

## PHOTOMETRICS REPORT

**WELL PANEL**  
WIRELESS EVENT LED LUMINAIRE  
WITH FILTER



**CHAUVENT**  
PROFESSIONAL

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## Testing Process

### Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion®, which takes multiple measurements across a light beam to calculate the total delivered lumens, beam, and field of a product. These values can be described as the empirical output of the product as it projects from the lens or lenses. All photometric data contained in this report are obtained from the actual illuminance of the tested Chauvet light source and are never theoretical values derived from calculations.

### Testing Lab Equipment and Process

The Chauvet headquarters in Sunrise, Florida has a climate- and light-controlled photometric testing laboratory where Chauvet products are analyzed and photometric data are measured using the Viso Systems LabSpion® light measurement solution.

This system includes a spectrometer sensor, which measures the precise light and color output of the fixture, and a two-axis goniometer, which rotates the product to allow for multi-angle and multi-directional measurement. The Viso Light Inspector software then collects and summarizes the data. From the data gathered, the software can also measure the beam and field angles, accurate color temperature, color quality, and illuminance at multiple distances. The custom-built, Chauvet-specific template presents this information in the photometric and chromaticity reports that follow.

IES (Illuminating Engineering Society) files, an industry-standard file format, are also generated from each test for easy distribution of photometric data.

Several light meters are also used for specific products or to recheck for precision. Accuracy is verified using one or more of the devices listed below:

- Sekonic SpectroMaster C-700-U
- EXTECH HD450 Datalogging Heavy Duty Light Meter
- Asensetek Essence Lighting Passport

To ensure accurate measurements in every photometric or chromaticity test, Chauvet routinely calibrates the LabSpion® system every six months as recommended by Viso Systems.

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Report Summary

### Output

Total Lumens: 5117 lm  
Peak Intensity: 13766 cd  
Illuminance @ 5m: 550 lux  
Fixture Efficacy: 30 lm/W

### Optical

Horizontal Beam Angle (50%): 32.2°  
Vertical Beam Angle (50%): 31.6°  
Horizontal Field Angle (10%): 58.4°  
Vertical Field Angle (10%): 57.4°  
Horizontal Cutoff Angle (3%): 78.5°  
Vertical Cutoff Angle (3%): 77.6°

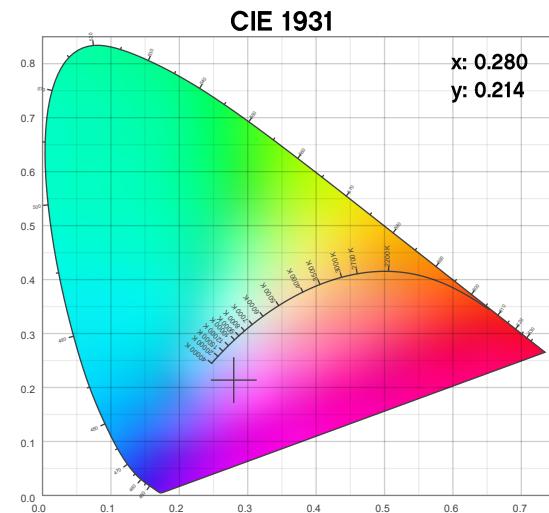
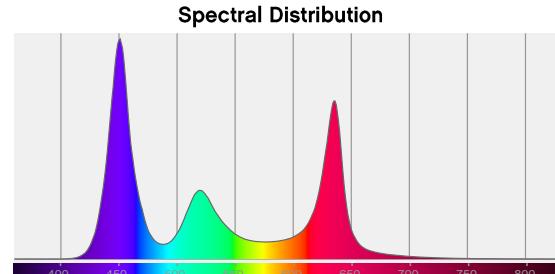
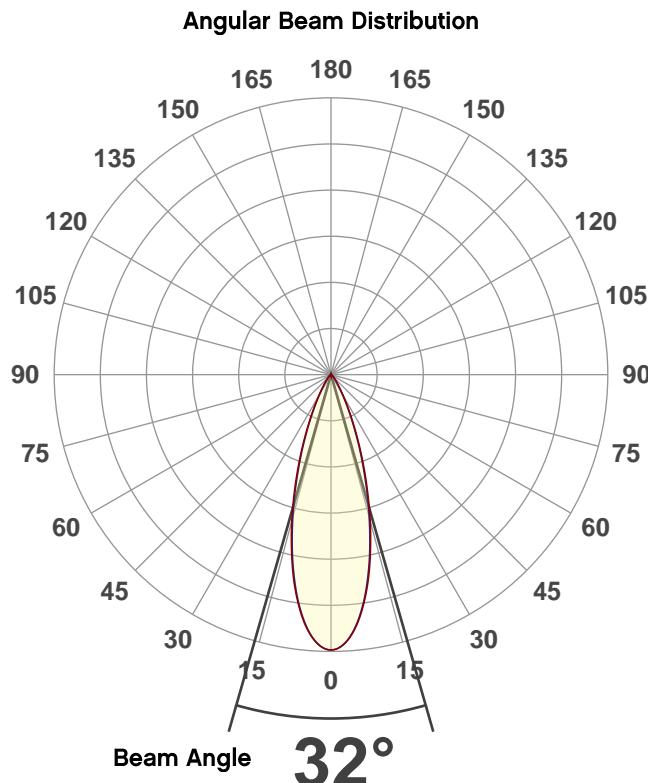


### Conditions

AC Supply: 122 V, 60 Hz  
Power: 169.84 W  
Current: 1.39 A  
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/26/2020 to LM-63-2002 Standards.

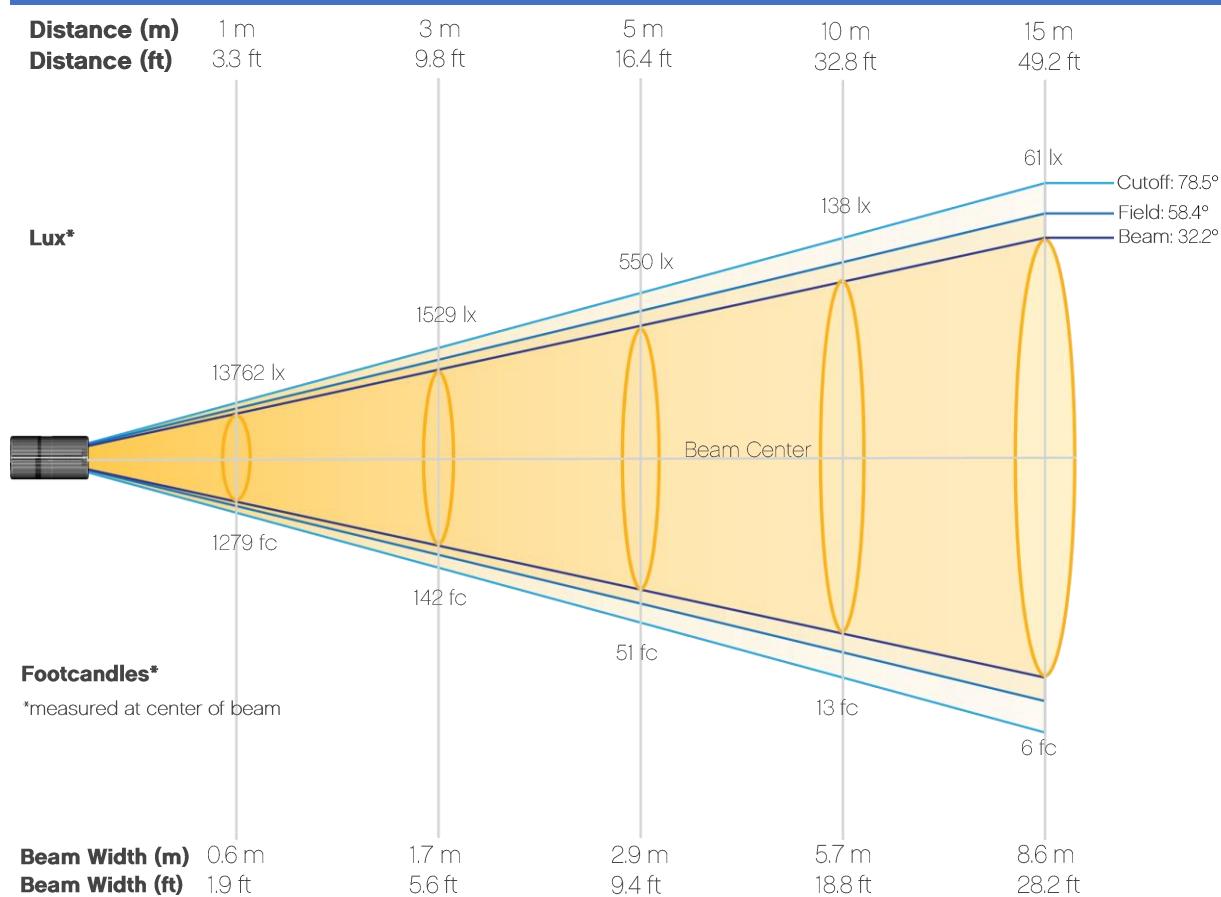
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Beam Details

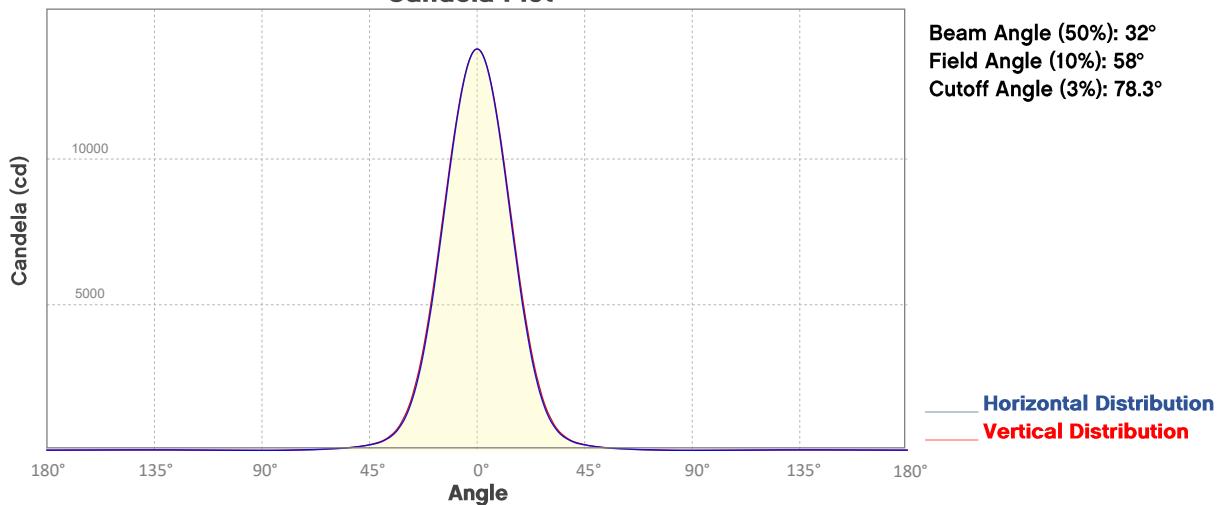


## Beam Illuminances from 1-20m (3.3-65.6ft)

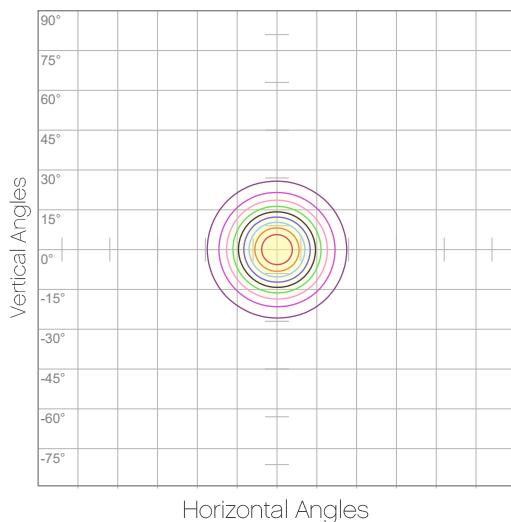
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 13762  | 3440   | 1529   | 860    | 550    | 382    | 281    | 215    | 170    | 138    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 114    | 96     | 81     | 70     | 61     | 54     | 48     | 42     | 38     | 34     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1279   | 320    | 142    | 80     | 51     | 36     | 26     | 20     | 16     | 13     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 11     | 9      | 8      | 7      | 6      | 5      | 4      | 4      | 4      | 3      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW  
**Candela Plot**



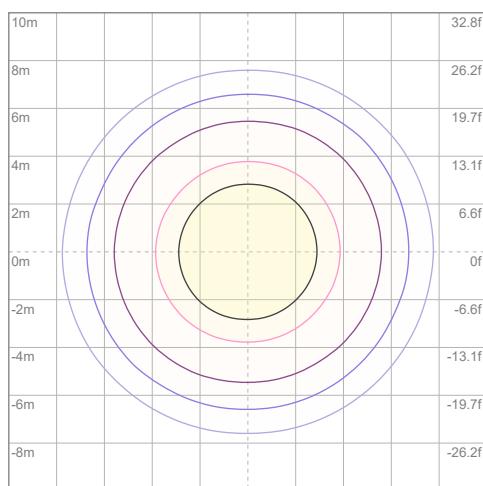
## Polar Diagrams



**iso-candela Diagram**

|     |          |
|-----|----------|
| 10% | 1376 cd  |
| 20% | 2752 cd  |
| 30% | 4129 cd  |
| 40% | 5505 cd  |
| 50% | 6881 cd  |
| 60% | 8257 cd  |
| 70% | 9633 cd  |
| 80% | 11009 cd |
| 90% | 12386 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 1376 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 4.13 lx |
| 5%  | 6.88 lx |
| 10% | 13.8 lx |
| 30% | 41.3 lx |
| 50% | 68.8 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 138 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Report Summary

### Output

Total Lumens: 5344 lm  
Peak Intensity: 14243 cd  
Illuminance @ 5m: 569 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.8°  
Vertical Field Angle (10%): 57.7°  
Horizontal Cutoff Angle (3%): 78.8°  
Vertical Cutoff Angle (3%): 77.8°

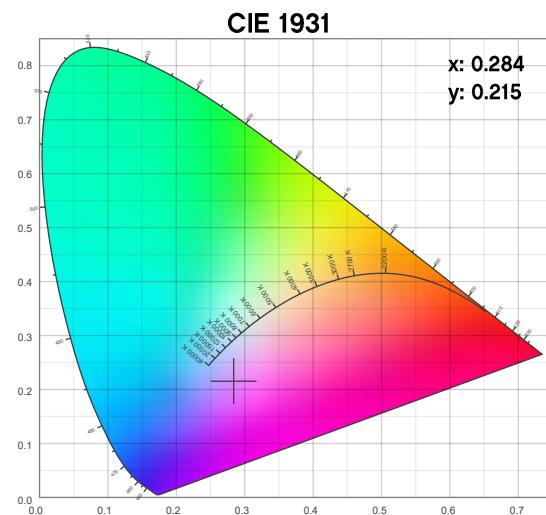
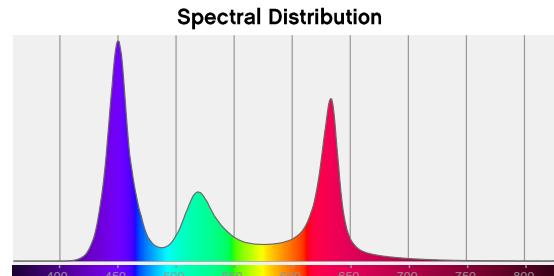
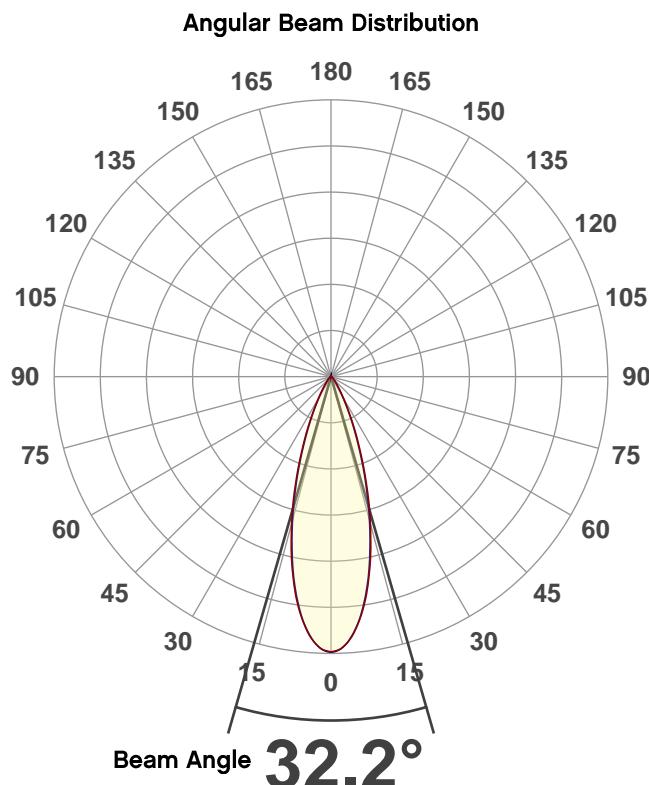


### Conditions

AC Supply: 121 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

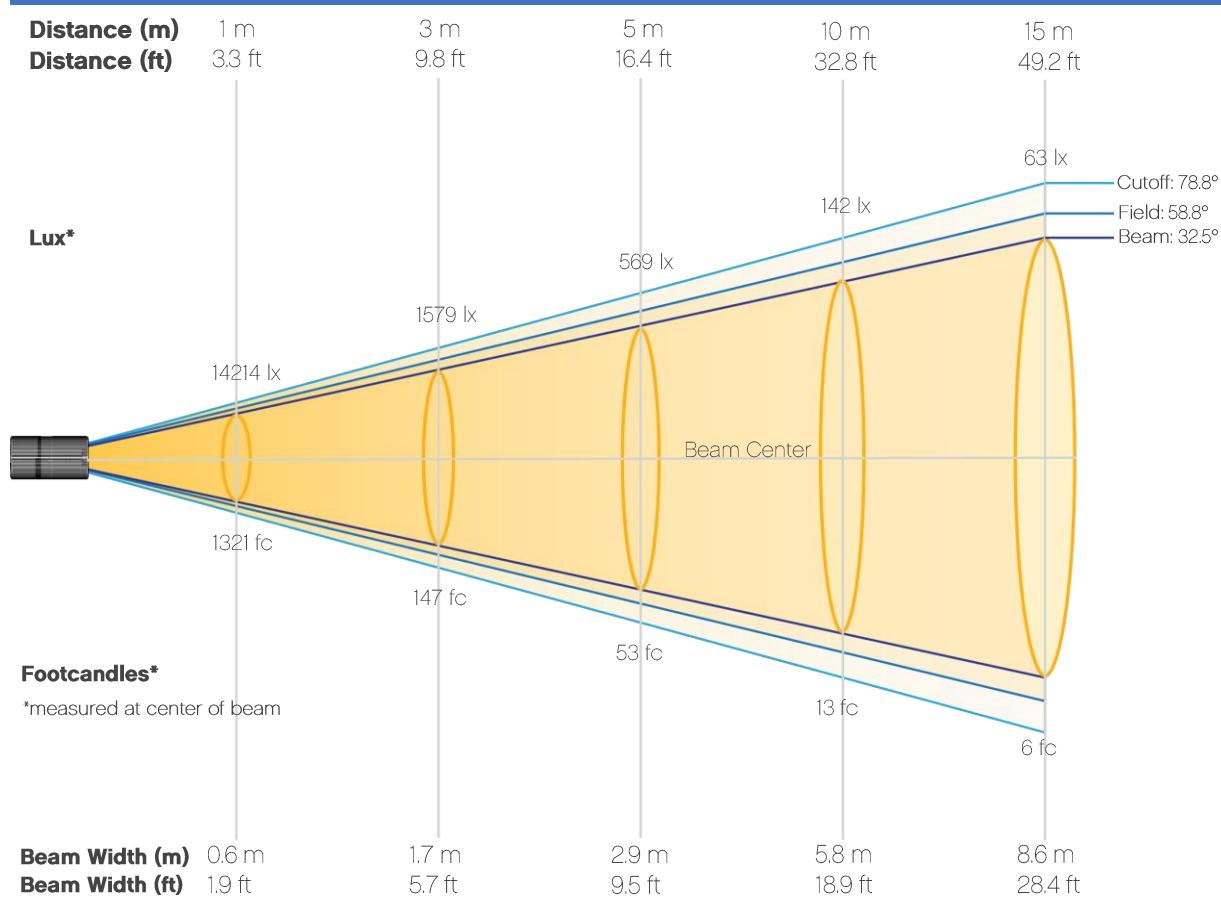
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Beam Details

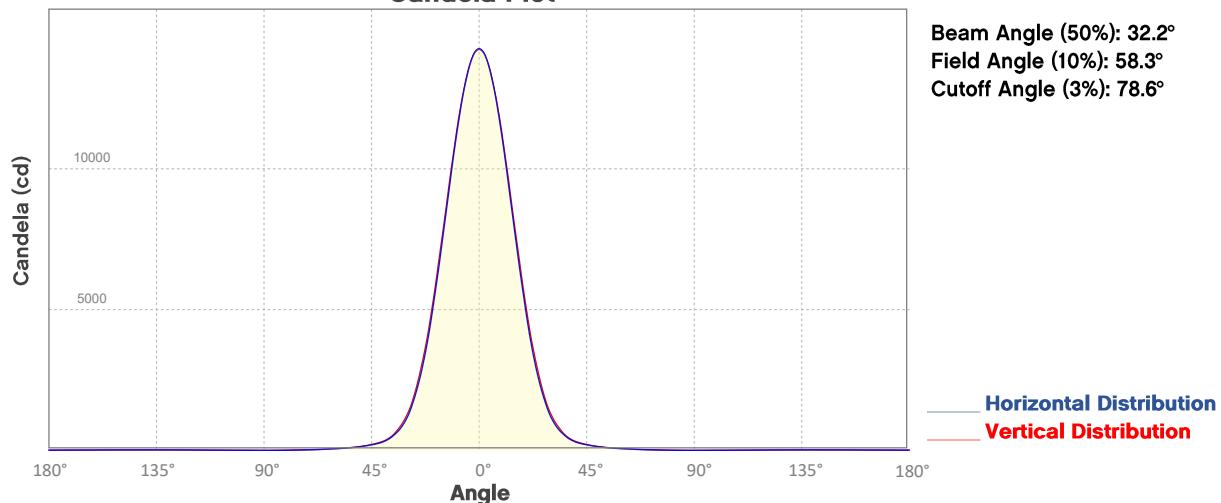


## Beam Illuminances from 1-20m (3.3-65.6ft)

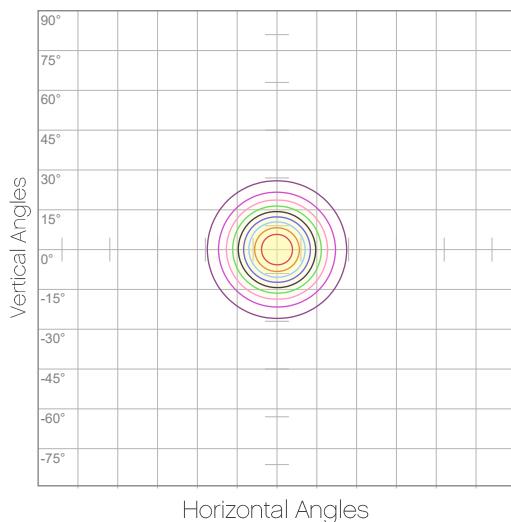
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 14214  | 3553   | 1579   | 888    | 569    | 395    | 290    | 222    | 175    | 142    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 117    | 99     | 84     | 73     | 63     | 56     | 49     | 44     | 39     | 36     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1321   | 330    | 147    | 83     | 53     | 37     | 27     | 21     | 16     | 13     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 11     | 9      | 8      | 7      | 6      | 5      | 5      | 4      | 4      | 3      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW  
**Candela Plot**



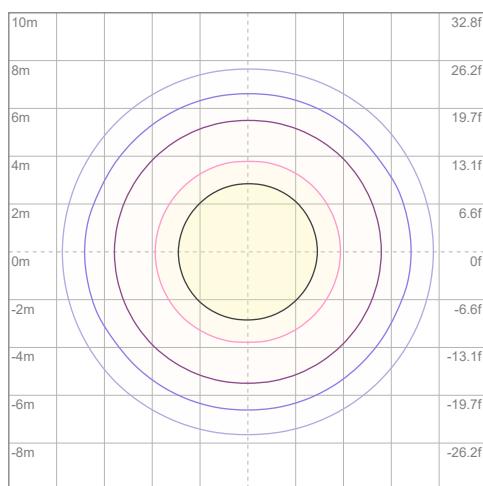
## Polar Diagrams



**iso-candela Diagram**

|     |          |
|-----|----------|
| 10% | 1421 cd  |
| 20% | 2843 cd  |
| 30% | 4264 cd  |
| 40% | 5686 cd  |
| 50% | 7107 cd  |
| 60% | 8528 cd  |
| 70% | 9950 cd  |
| 80% | 11371 cd |
| 90% | 12792 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 14214 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 4.26 lx |
| 5%  | 7.11 lx |
| 10% | 14.2 lx |
| 30% | 42.6 lx |
| 50% | 71.1 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 142 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Report Summary

### Output

Total Lumens: 4304 lm

Peak Intensity: 11541 cd

Illuminance @ 5m: 461 lux

Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.3°

Vertical Beam Angle (50%): 31.7°

Horizontal Field Angle (10%): 58.5°

Vertical Field Angle (10%): 57.5°

Horizontal Cutoff Angle (3%): 78.6°

Vertical Cutoff Angle (3%): 77.7°



### Conditions

AC Supply: 120 V, 60 Hz

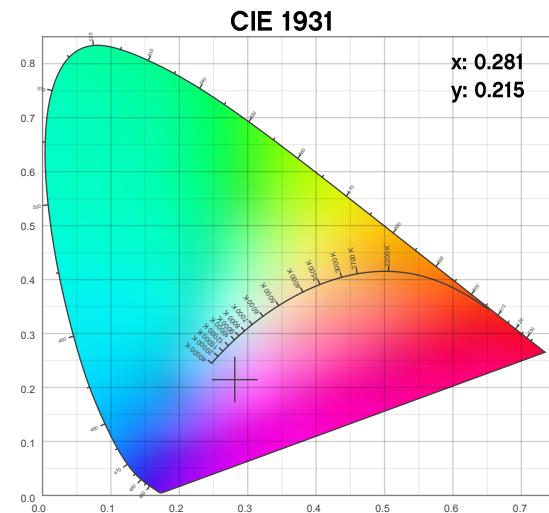
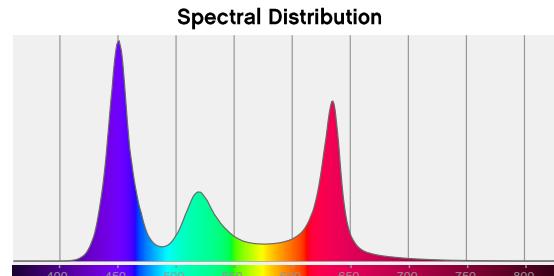
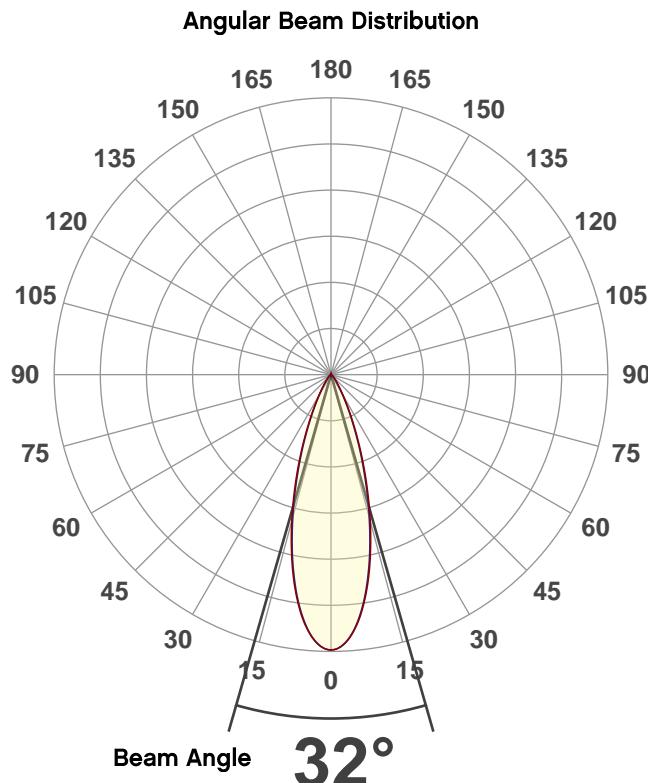
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

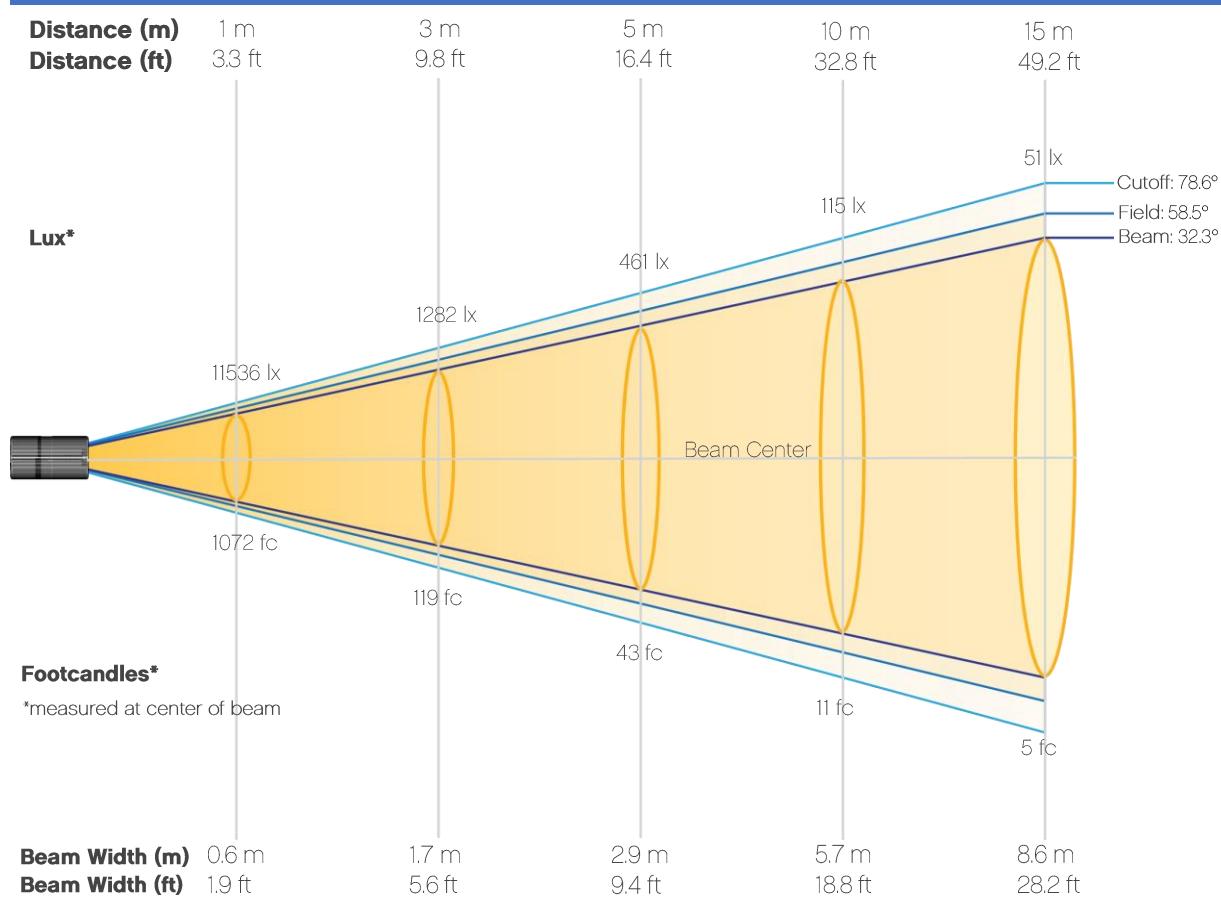
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Beam Details

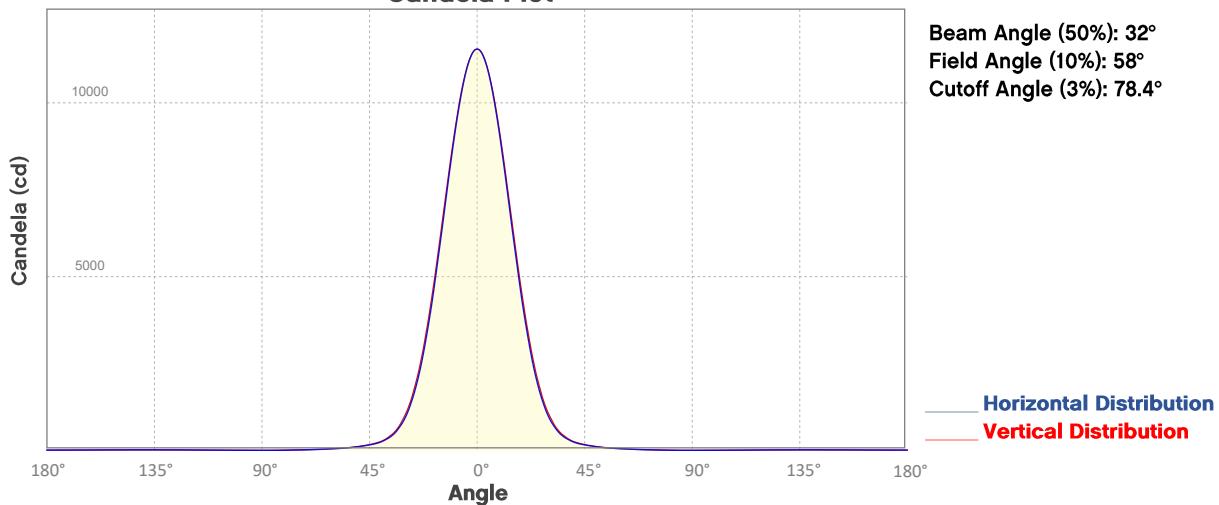


## Beam Illuminances from 1-20m (3.3-65.6ft)

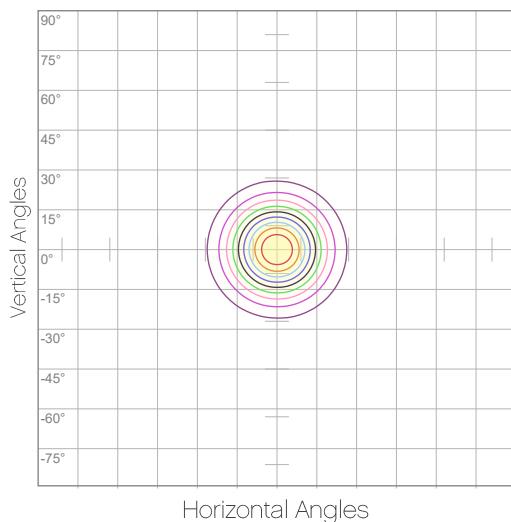
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 11536  | 2884   | 1282   | 721    | 461    | 320    | 235    | 180    | 142    | 115    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 95     | 80     | 68     | 59     | 51     | 45     | 40     | 36     | 32     | 29     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1072   | 268    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW  
**Candela Plot**



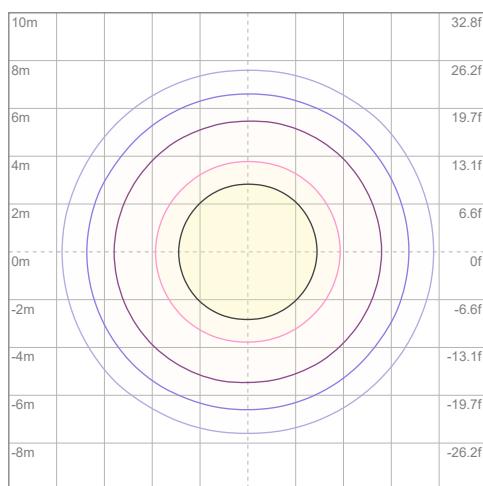
## Polar Diagrams



**iso-candela Diagram**

|     |          |
|-----|----------|
| 10% | 1154 cd  |
| 20% | 2307 cd  |
| 30% | 3461 cd  |
| 40% | 4614 cd  |
| 50% | 5768 cd  |
| 60% | 6921 cd  |
| 70% | 8075 cd  |
| 80% | 9229 cd  |
| 90% | 10382 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 11536 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 3.46 lx |
| 5%  | 5.77 lx |
| 10% | 11.5 lx |
| 30% | 34.6 lx |
| 50% | 57.7 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 115 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Report Summary

## Output

Total Lumens: 2612 lm

Peak Intensity: 7034 cd

Illuminance @ 5m: 281 lux

#### Fixture Efficacy: $\text{ff} \text{ lm/W}$

## Optical

Horizontal Beam Angle (50%): 32.3°

Vertical Beam Angle (50%): 31.7°

Horizontal Field Angle (10%): 58.5°

Vertical Field Angle (10%): 57.5°

Horizontal Cutoff Angle (3%): 78.6°

Vertical Cutoff Angle (3%): 77.6°



## Conditions

AC Supply: 121 V, 60 Hz

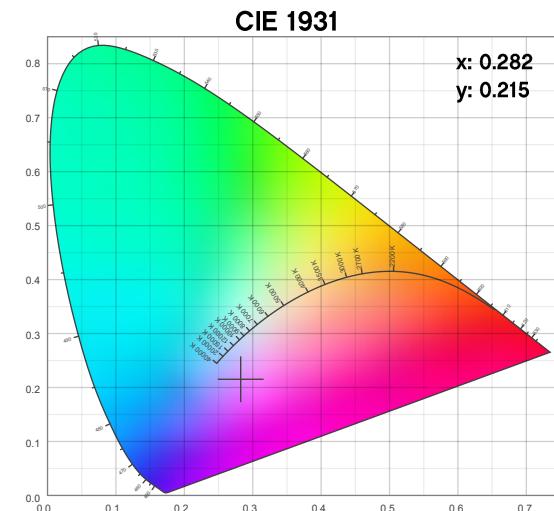
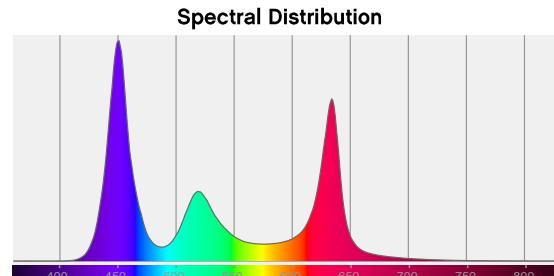
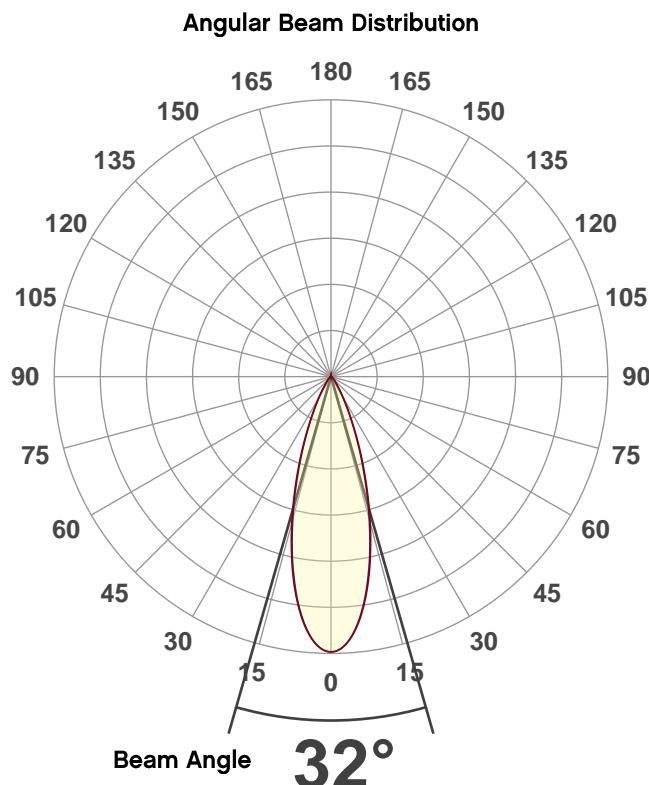
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (P2017). All data was measured and calculated by a Vico Systems LabSpion Gonimeter at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

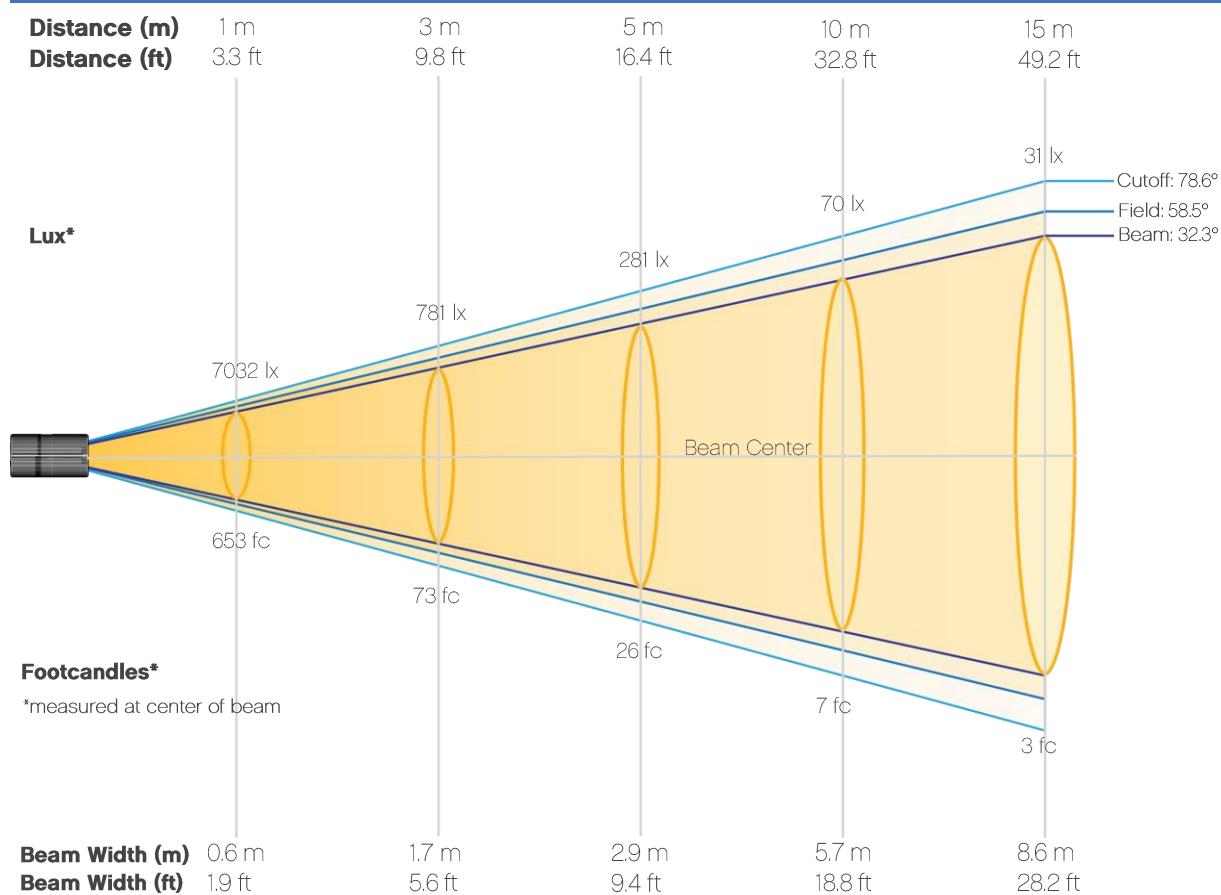
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Beam Details

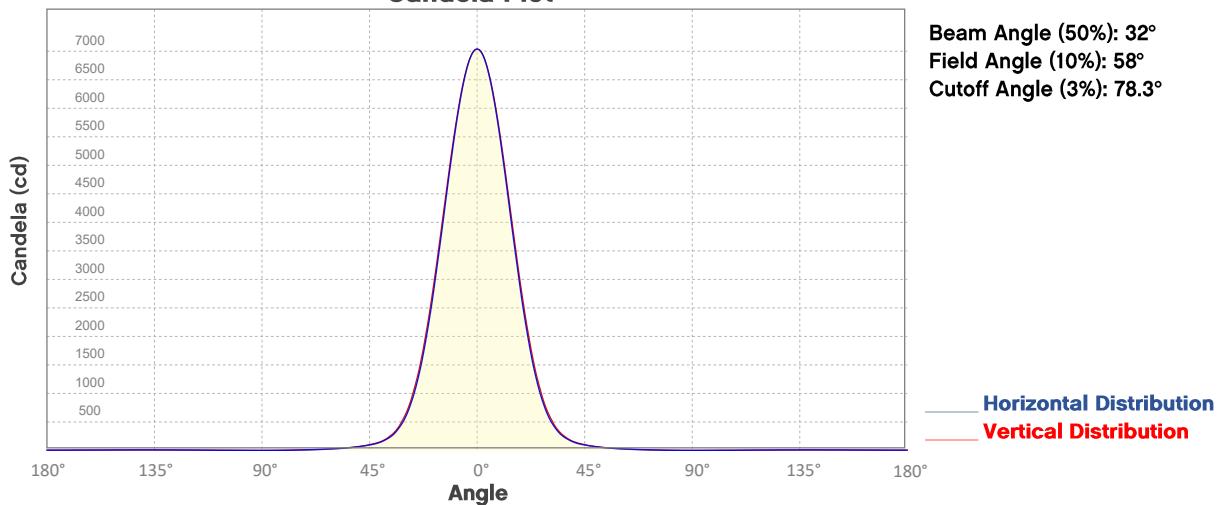


## Beam Illuminances from 1-20m (3.3-65.6ft)

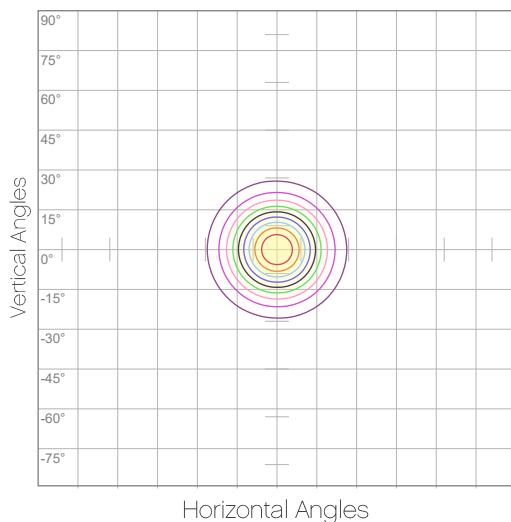
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 7032   | 1758   | 781    | 440    | 281    | 195    | 144    | 110    | 87     | 70     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 58     | 49     | 42     | 36     | 31     | 27     | 24     | 22     | 19     | 18     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 653    | 163    | 73     | 41     | 26     | 18     | 13     | 10     | 8      | 7      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 5      | 4      | 3      | 3      | 3      | 2      | 2      | 2      | 2      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW  
**Candela Plot**



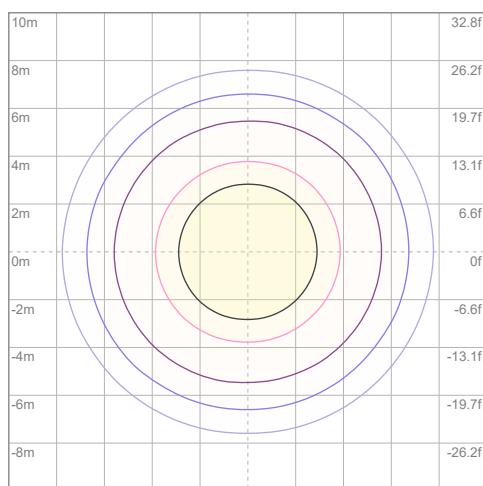
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 703 cd  |
| 20% | 1406 cd |
| 30% | 2110 cd |
| 40% | 2813 cd |
| 50% | 3516 cd |
| 60% | 4219 cd |
| 70% | 4923 cd |
| 80% | 5626 cd |
| 90% | 6329 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 7032 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 2.11 lx |
| 5%  | 3.52 lx |
| 10% | 7.03 lx |
| 30% | 21.1 lx |
| 50% | 35.2 lx |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 70.3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Report Summary

### Output

Total Lumens: 1625 lm

Peak Intensity: 4359 cd

Illuminance @ 5m: 174 lux

Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.3°

Vertical Beam Angle (50%): 31.7°

Horizontal Field Angle (10%): 58.5°

Vertical Field Angle (10%): 57.5°

Horizontal Cutoff Angle (3%): 78.6°

Vertical Cutoff Angle (3%): 77.7°



### Conditions

AC Supply: 120 V, 60.1 Hz

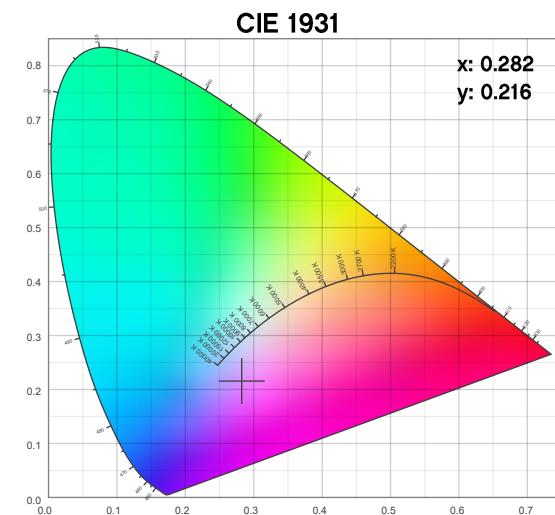
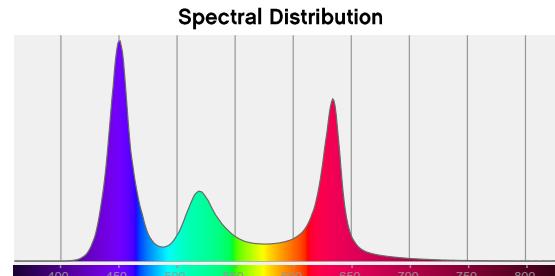
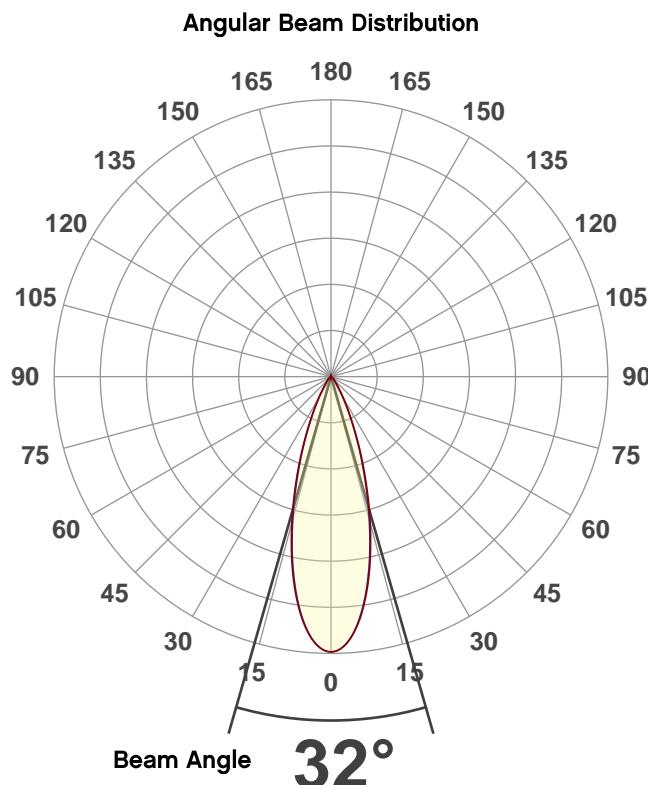
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

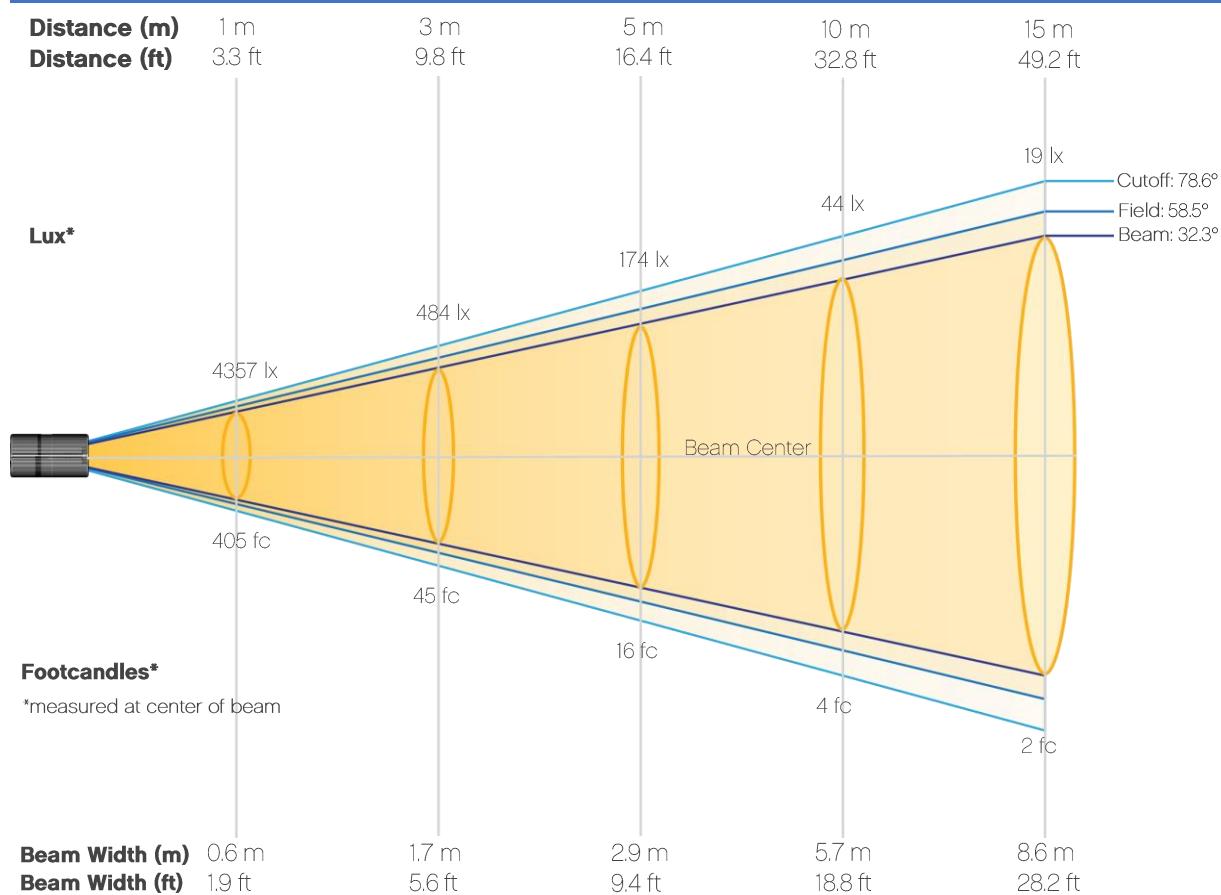
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Beam Details



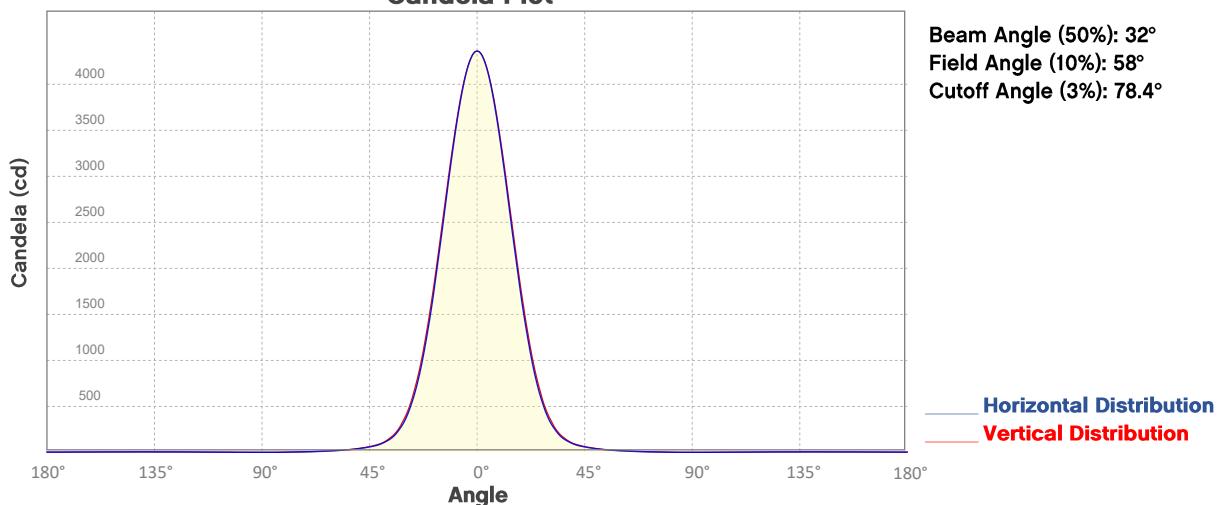
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 4357   | 1089   | 484    | 272    | 174    | 121    | 89     | 68     | 54     | 44     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 36     | 30     | 26     | 22     | 19     | 17     | 15     | 13     | 12     | 11     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 405    | 101    | 45     | 25     | 16     | 11     | 8      | 6      | 5      | 4      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 3      | 3      | 2      | 2      | 2      | 2      | 1      | 1      | 1      | 1      |

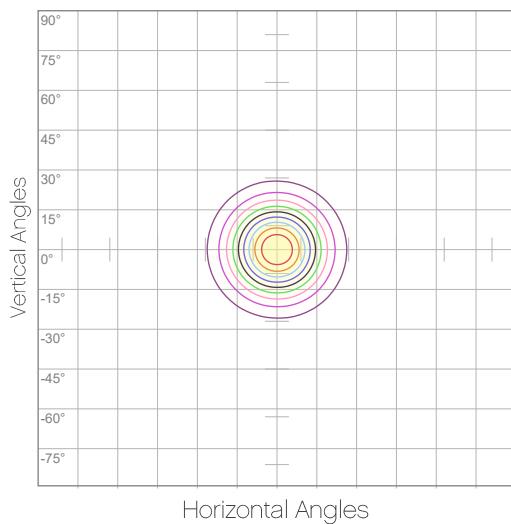
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Candela Plot



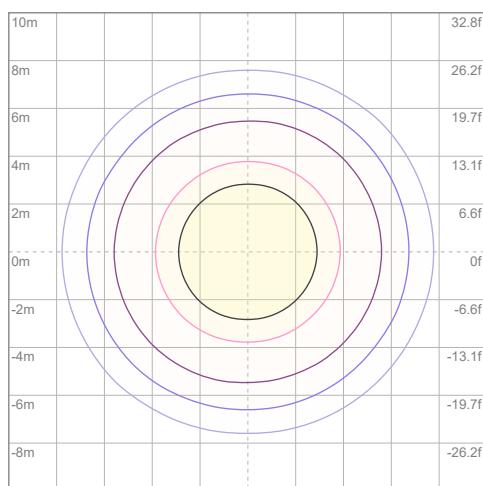
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 436 cd  |
| 20% | 871 cd  |
| 30% | 1307 cd |
| 40% | 1743 cd |
| 50% | 2179 cd |
| 60% | 2614 cd |
| 70% | 3050 cd |
| 80% | 3486 cd |
| 90% | 3921 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 4357 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.31 lx |
| 5%  | 2.18 lx |
| 10% | 4.36 lx |
| 30% | 13.1 lx |
| 50% | 21.8 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 43.6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Report Summary

### Output

Total Lumens: 1076 lm  
Peak Intensity: 2879 cd  
Illuminance @ 5m: 115 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.4°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.6°  
Vertical Field Angle (10%): 57.8°  
Horizontal Cutoff Angle (3%): 78.8°  
Vertical Cutoff Angle (3%): 77.9°

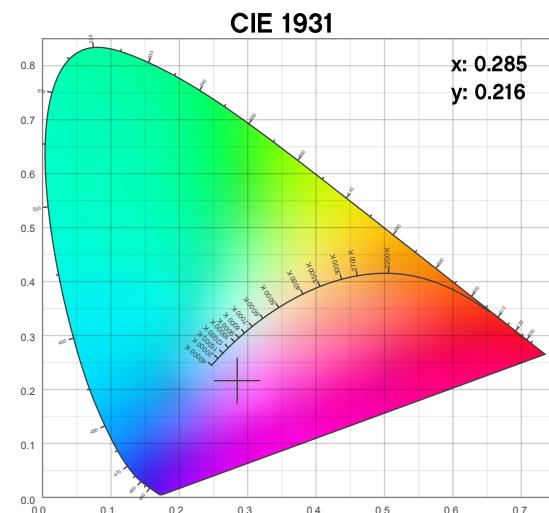
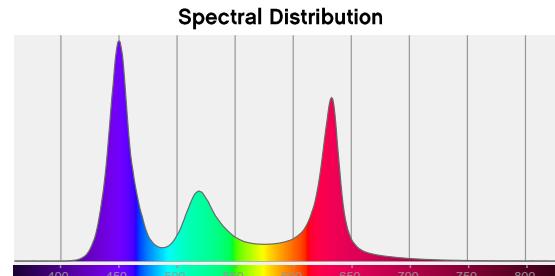
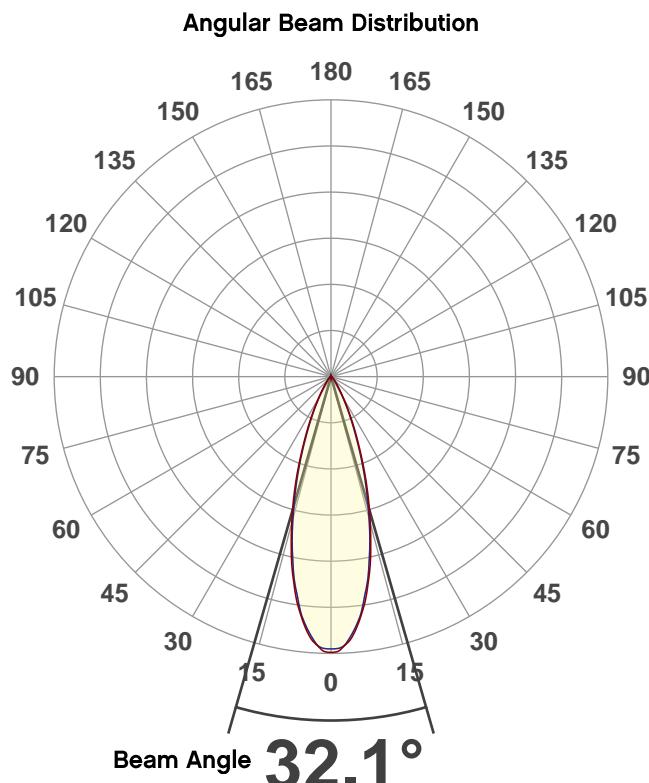


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

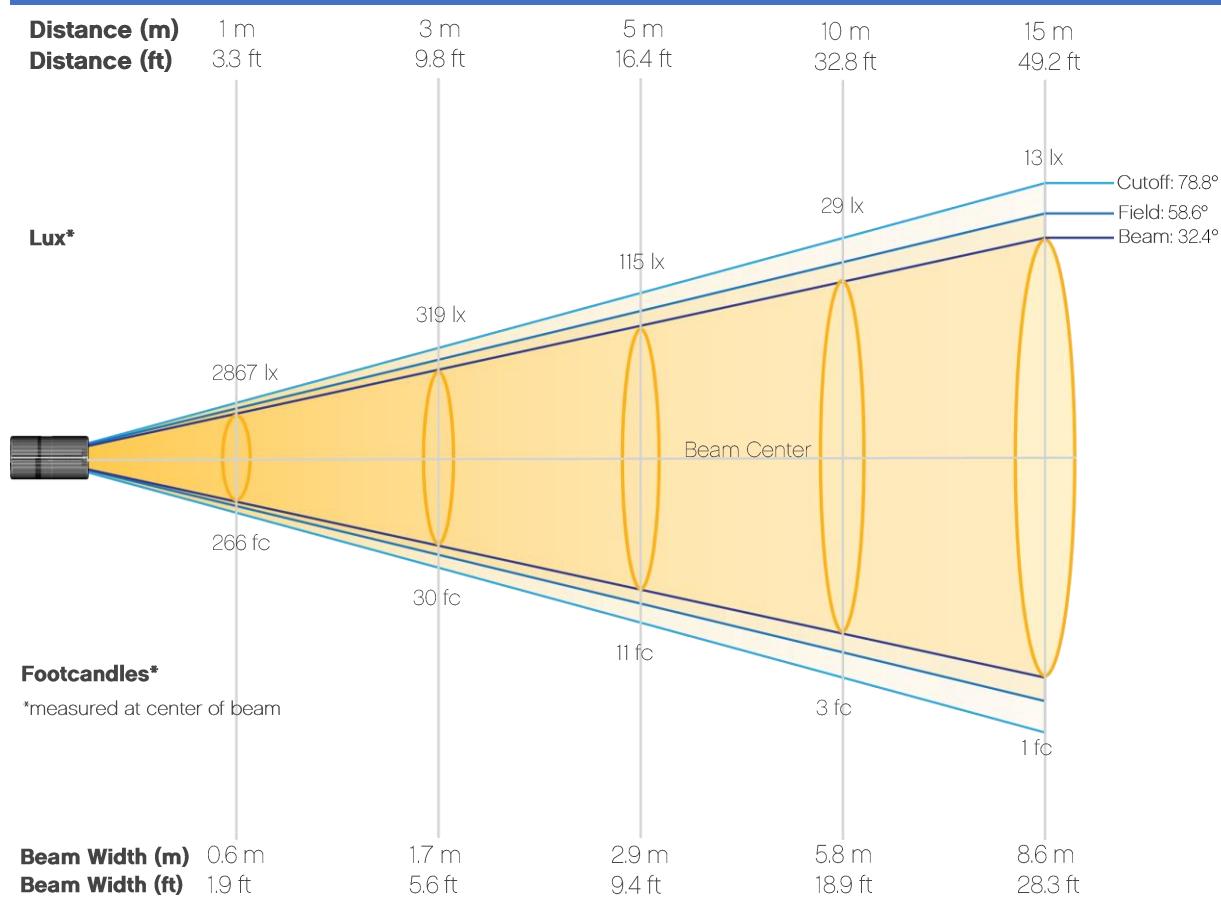
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW

## Beam Details

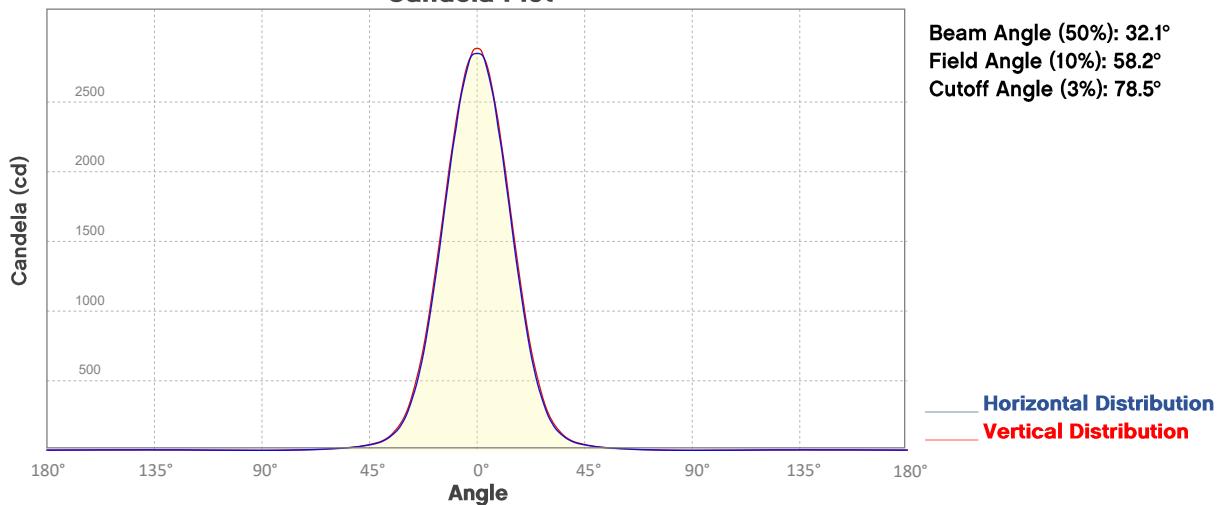


## Beam Illuminances from 1-20m (3.3-65.6ft)

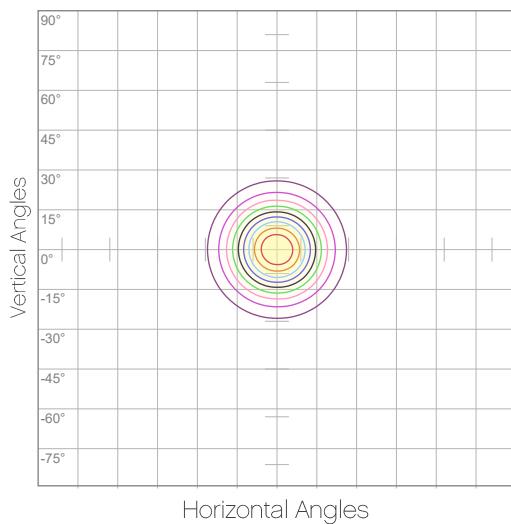
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 2867   | 717    | 319    | 179    | 115    | 80     | 59     | 45     | 35     | 29     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 24     | 20     | 17     | 15     | 13     | 11     | 10     | 9      | 8      | 7      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 266    | 67     | 30     | 17     | 11     | 7      | 5      | 4      | 3      | 3      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 2      | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, RGBW  
**Candela Plot**



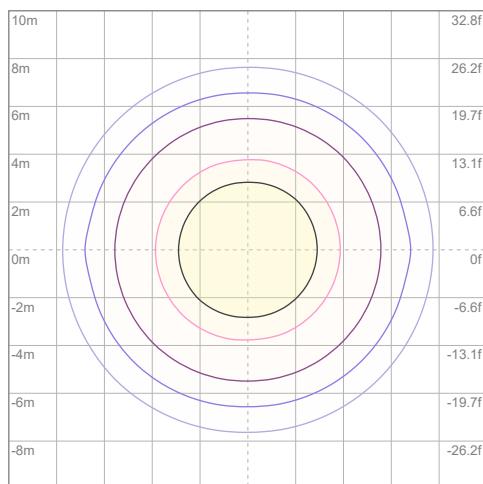
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 287 cd  |
| 20% | 573 cd  |
| 30% | 860 cd  |
| 40% | 1147 cd |
| 50% | 1434 cd |
| 60% | 1720 cd |
| 70% | 2007 cd |
| 80% | 2294 cd |
| 90% | 2581 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 2867 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.860 lx |
| 5%  | 1.43 lx  |
| 10% | 2.87 lx  |
| 30% | 8.60 lx  |
| 50% | 14.3 lx  |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 28.7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Report Summary

### Output

Total Lumens: 2199 lm  
Peak Intensity: 6082 cd  
Illuminance @ 5m: 243 lux  
Fixture Efficacy: 15 lm/W

### Optical

Horizontal Beam Angle (50%): 31.7°  
Vertical Beam Angle (50%): 31.2°  
Horizontal Field Angle (10%): 57.6°  
Vertical Field Angle (10%): 56.6°  
Horizontal Cutoff Angle (3%): 77°  
Vertical Cutoff Angle (3%): 76.1°

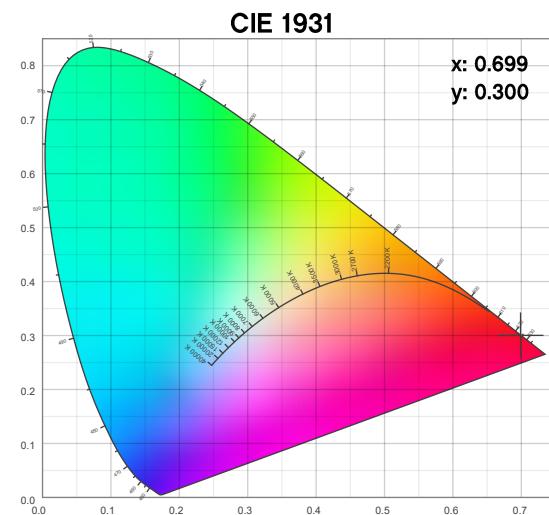
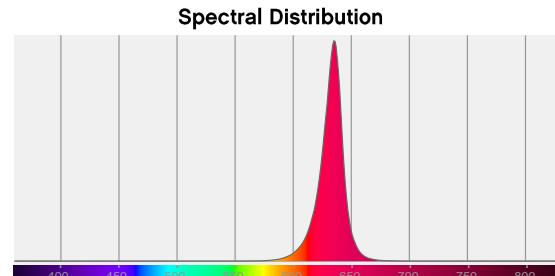
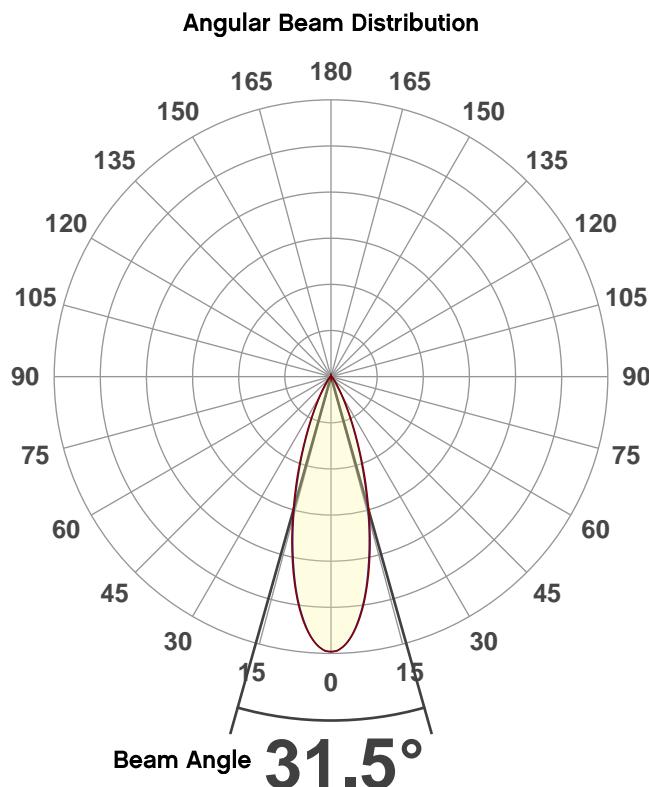


### Conditions

AC Supply: 122 V, 60 Hz  
Power: 146.69 W  
Current: 1.20 A  
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/26/2020 to LM-63-2002 Standards.

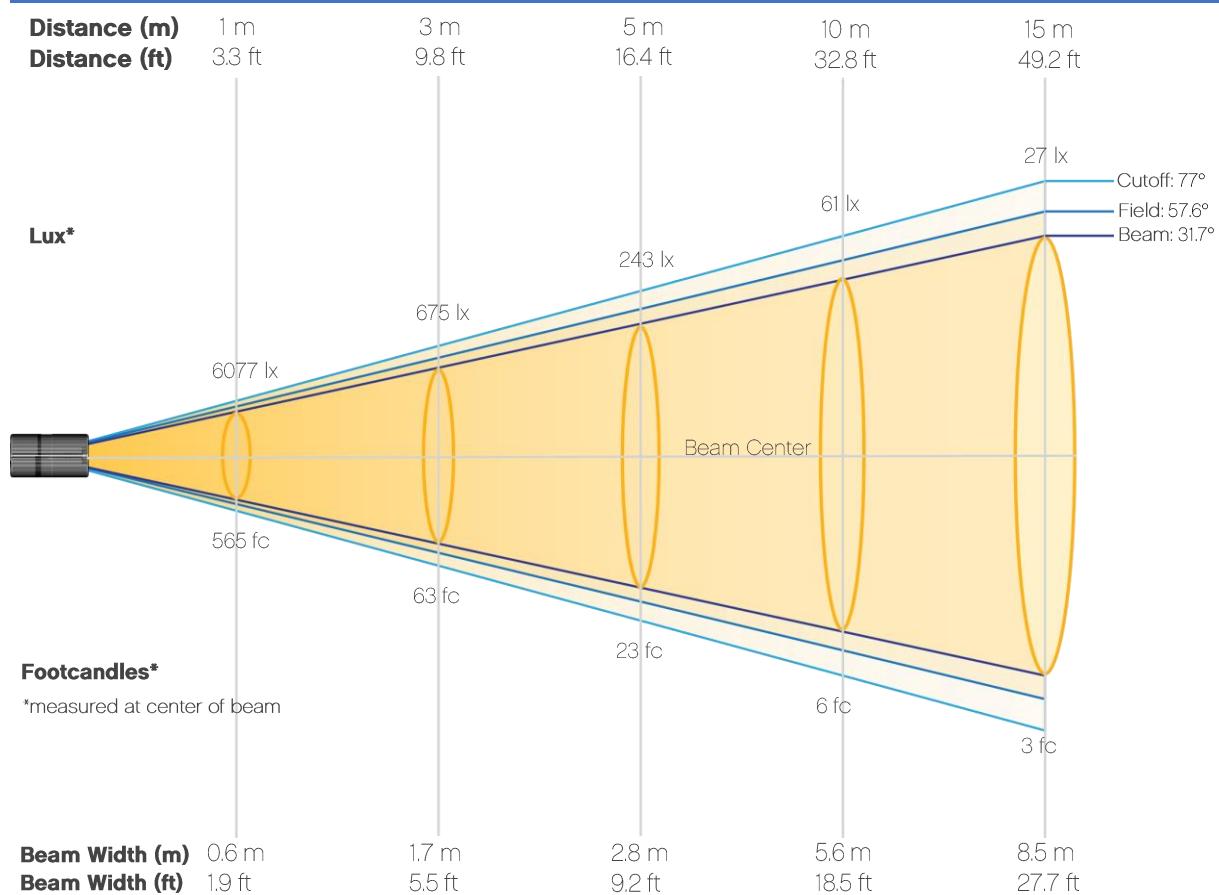
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Beam Details



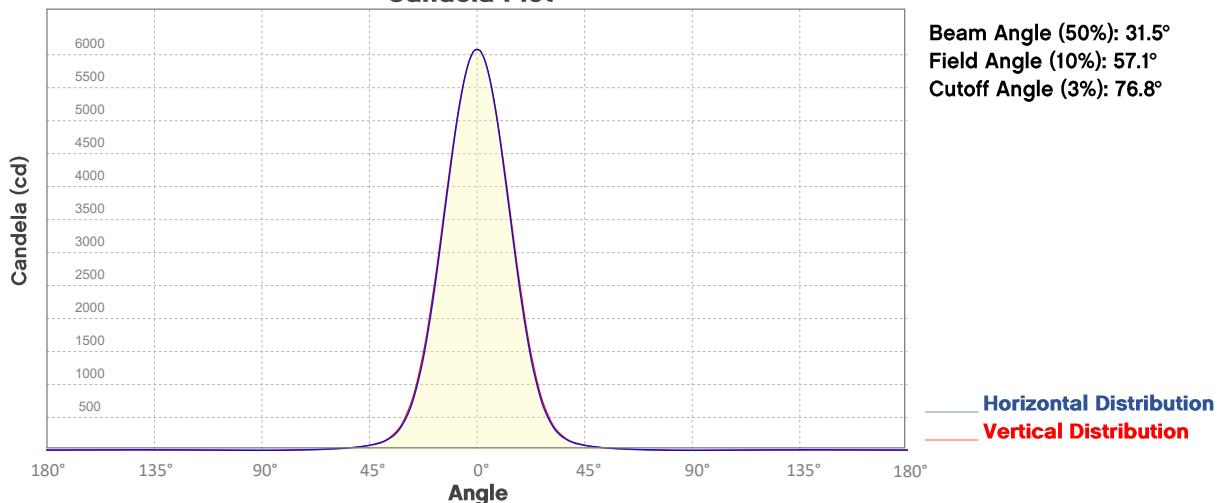
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 6077   | 1519   | 675    | 380    | 243    | 169    | 124    | 95     | 75     | 61     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 50     | 42     | 36     | 31     | 27     | 24     | 21     | 19     | 17     | 15     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 565    | 141    | 63     | 35     | 23     | 16     | 12     | 9      | 7      | 6      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 4      | 3      | 3      | 3      | 2      | 2      | 2      | 2      | 1      |

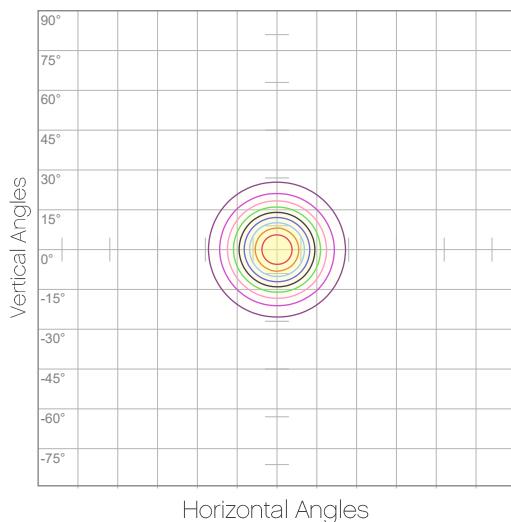
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Candela Plot



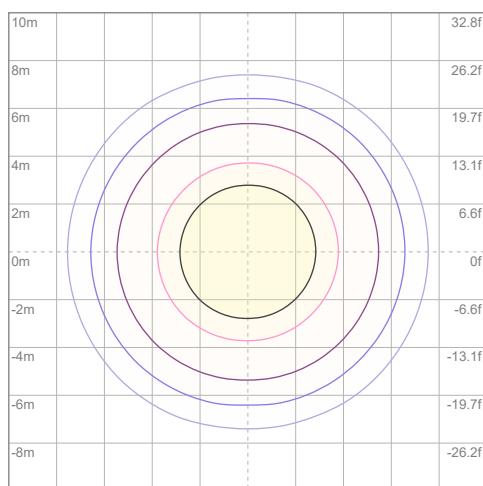
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 608 cd  |
| 20% | 1215 cd |
| 30% | 1823 cd |
| 40% | 2431 cd |
| 50% | 3039 cd |
| 60% | 3646 cd |
| 70% | 4254 cd |
| 80% | 4862 cd |
| 90% | 5470 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 6077 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.82 lx |
| 5%  | 3.04 lx |
| 10% | 6.08 lx |
| 30% | 18.2 lx |
| 50% | 30.4 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 60.8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Report Summary

### Output

Total Lumens: 2284 lm  
Peak Intensity: 6269 cd  
Illuminance @ 5m: 251 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 31.9°  
Vertical Beam Angle (50%): 31.2°  
Horizontal Field Angle (10%): 57.7°  
Vertical Field Angle (10%): 56.7°  
Horizontal Cutoff Angle (3%): 77.2°  
Vertical Cutoff Angle (3%): 76.3°

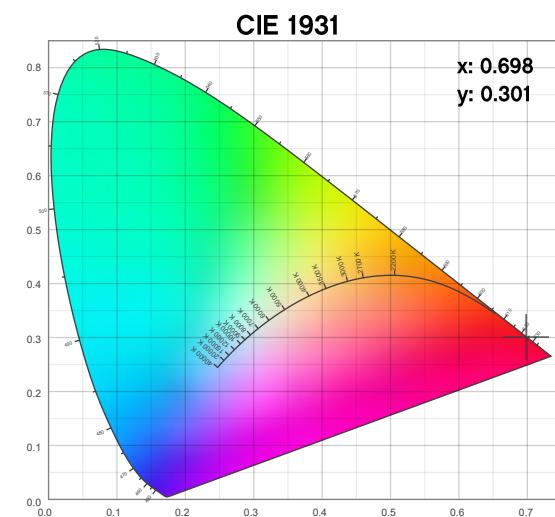
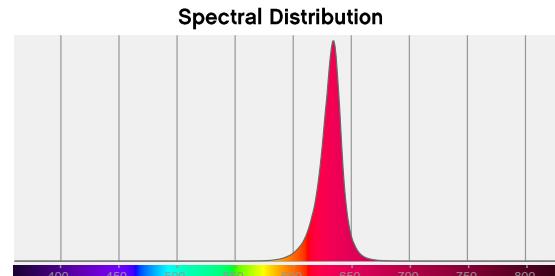
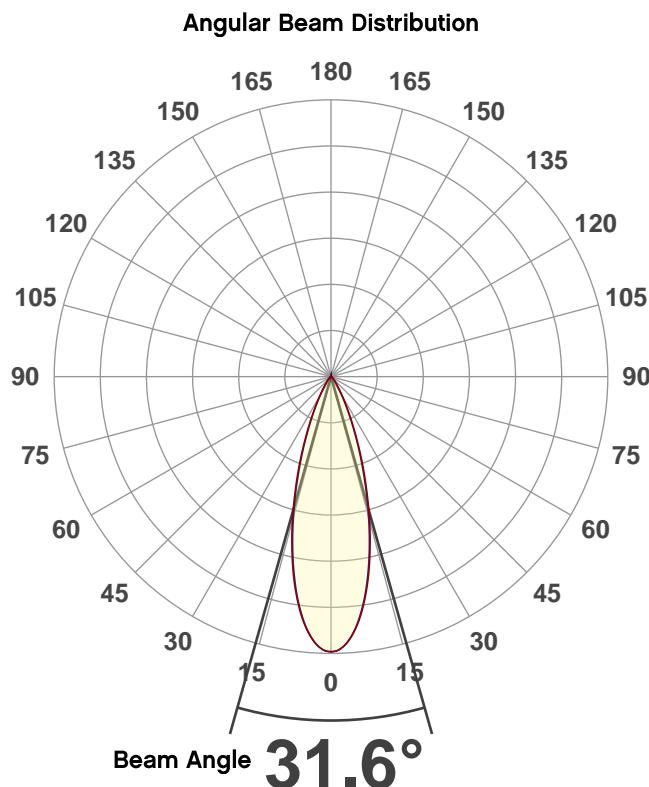


### Conditions

AC Supply: 120 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

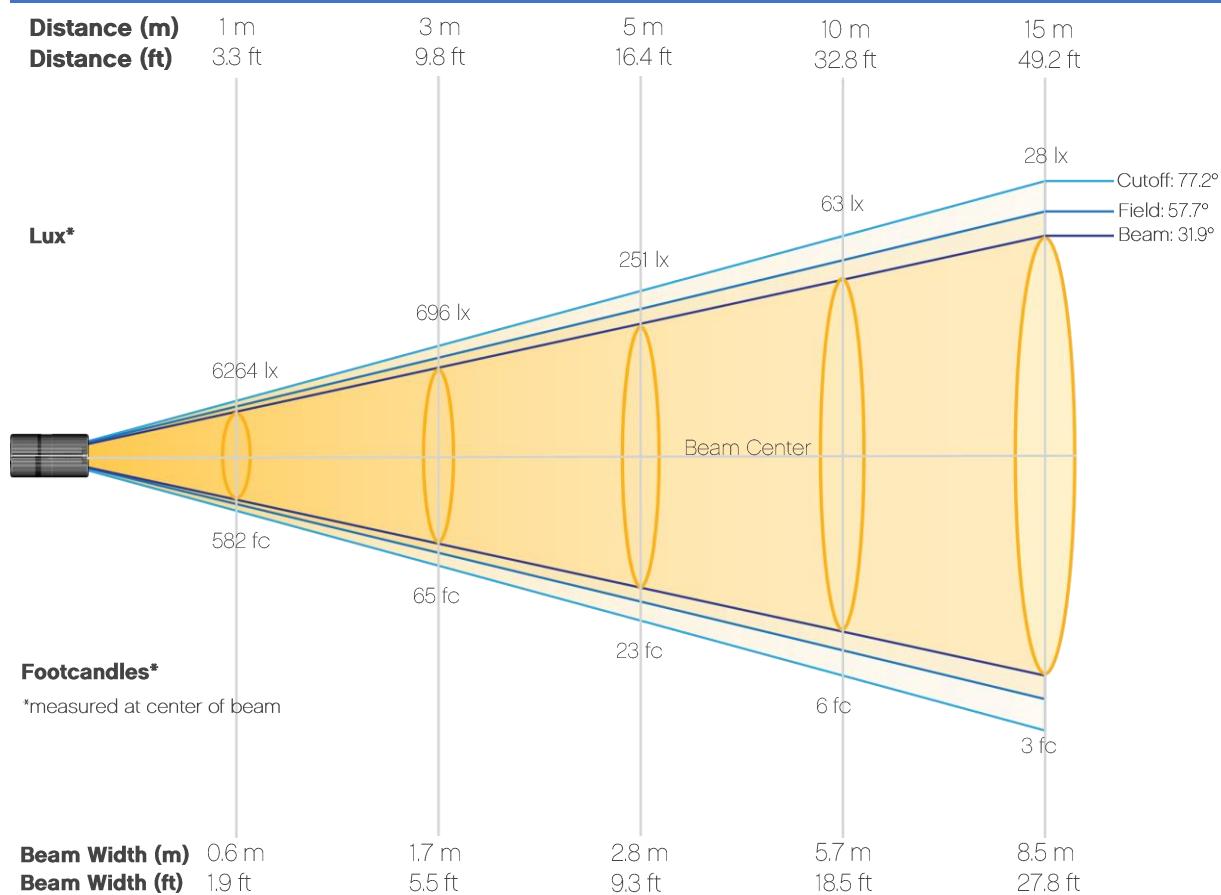
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Beam Details



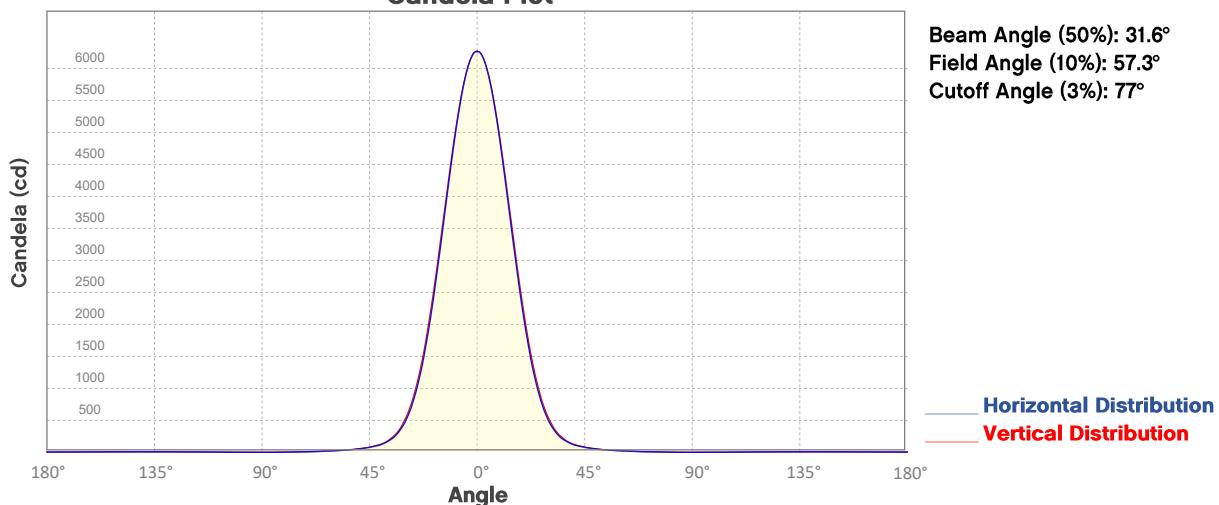
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 6264   | 1566   | 696    | 392    | 251    | 174    | 128    | 98     | 77     | 63     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 52     | 44     | 37     | 32     | 28     | 24     | 22     | 19     | 17     | 16     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 582    | 145    | 65     | 36     | 23     | 16     | 12     | 9      | 7      | 6      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 4      | 3      | 3      | 3      | 2      | 2      | 2      | 2      | 1      |

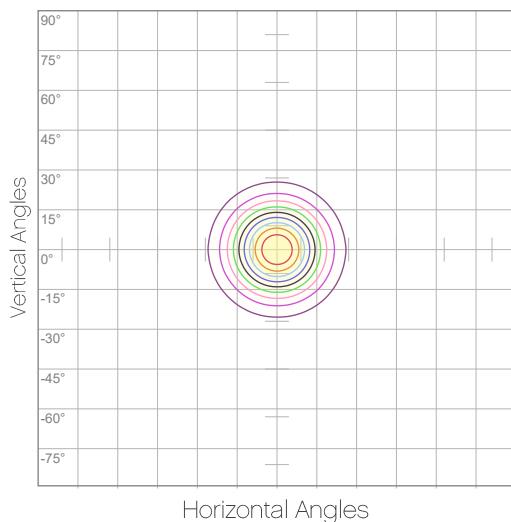
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Candela Plot



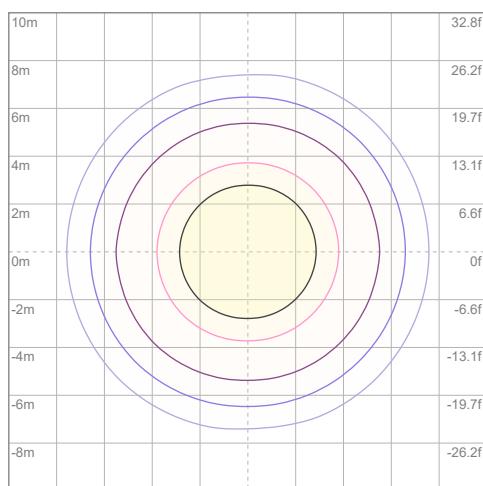
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 626 cd  |
| 20% | 1253 cd |
| 30% | 1879 cd |
| 40% | 2506 cd |
| 50% | 3132 cd |
| 60% | 3759 cd |
| 70% | 4385 cd |
| 80% | 5012 cd |
| 90% | 5638 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 6264 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.88 lx |
| 5%  | 3.13 lx |
| 10% | 6.26 lx |
| 30% | 18.8 lx |
| 50% | 31.3 lx |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 62.6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Report Summary

### Output

Total Lumens: 2279 lm

Peak Intensity: 6270 cd

Illuminance @ 5m: 251 lux

Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 31.9°

Vertical Beam Angle (50%): 31.2°

Horizontal Field Angle (10%): 57.7°

Vertical Field Angle (10%): 56.7°

Horizontal Cutoff Angle (3%): 77.2°

Vertical Cutoff Angle (3%): 76.3°



### Conditions

AC Supply: 120 V, 60 Hz

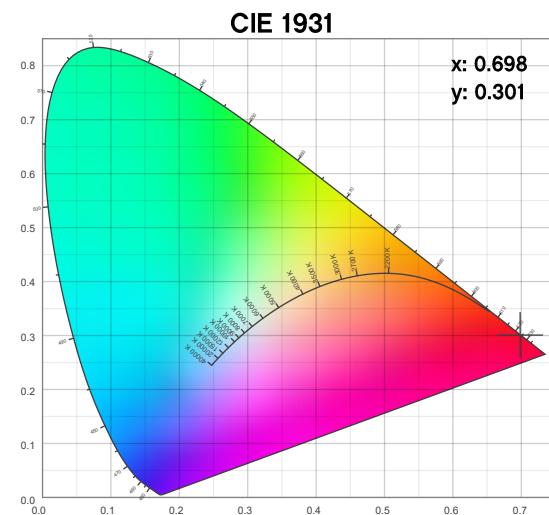
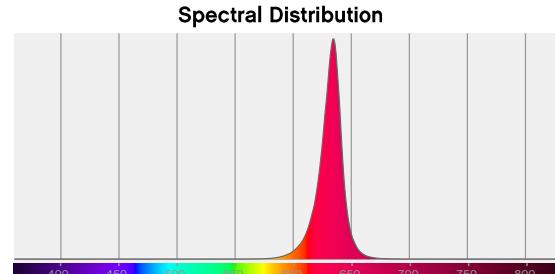
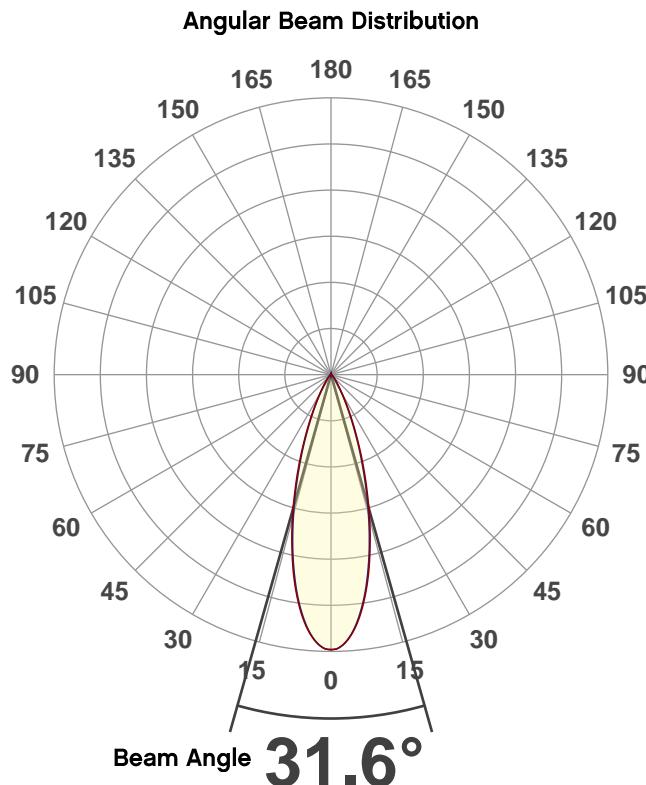
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

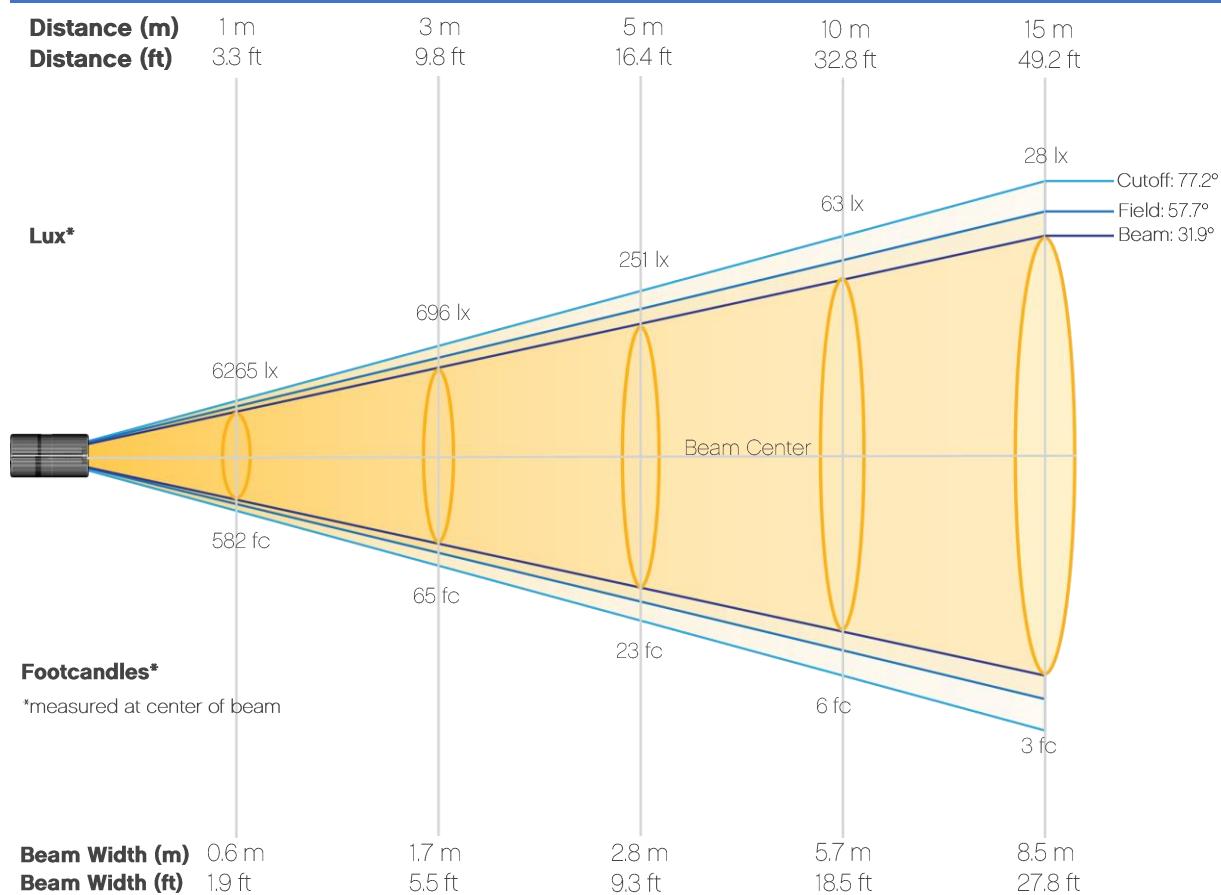
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Beam Details



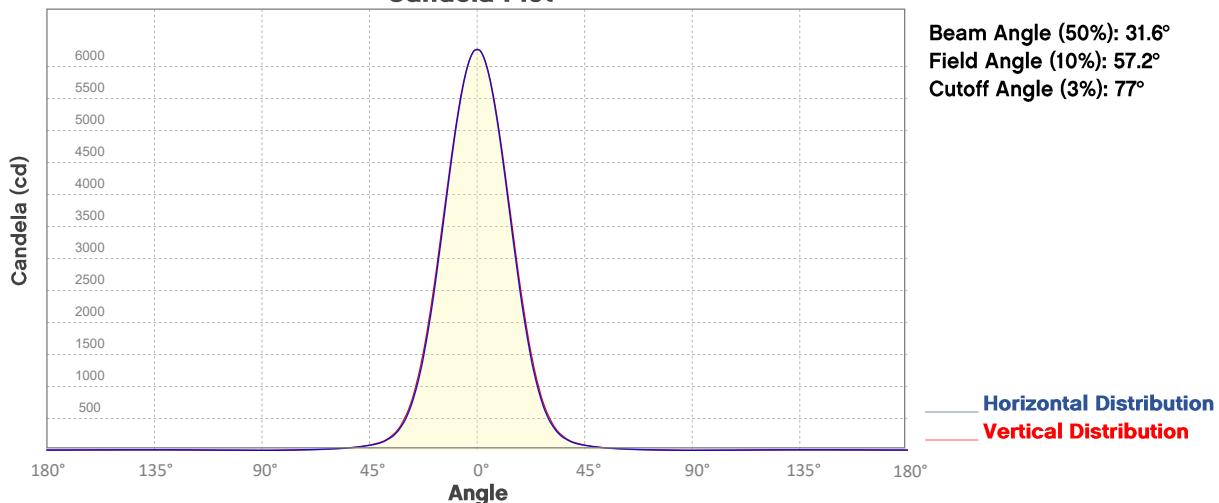
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 6265   | 1566   | 696    | 392    | 251    | 174    | 128    | 98     | 77     | 63     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 52     | 44     | 37     | 32     | 28     | 24     | 22     | 19     | 17     | 16     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 582    | 146    | 65     | 36     | 23     | 16     | 12     | 9      | 7      | 6      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 4      | 3      | 3      | 3      | 2      | 2      | 2      | 2      | 1      |

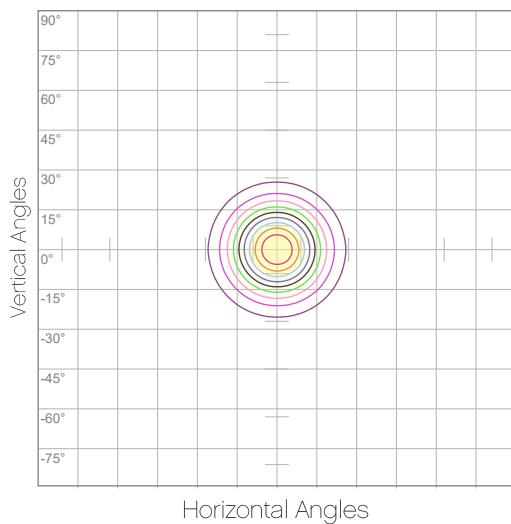
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Candela Plot



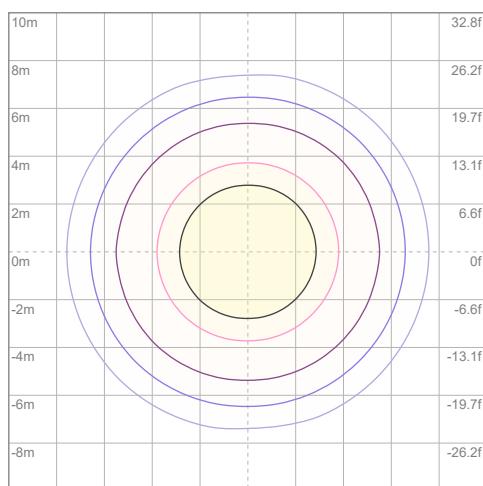
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 626 cd  |
| 20% | 1253 cd |
| 30% | 1879 cd |
| 40% | 2506 cd |
| 50% | 3132 cd |
| 60% | 3759 cd |
| 70% | 4385 cd |
| 80% | 5012 cd |
| 90% | 5638 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 6265 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.88 lx |
| 5%  | 3.13 lx |
| 10% | 6.26 lx |
| 30% | 18.8 lx |
| 50% | 31.3 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 62.6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Report Summary

### Output

Total Lumens: 2261 lm  
Peak Intensity: 6232 cd  
Illuminance @ 5m: 249 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 31.8°  
Vertical Beam Angle (50%): 31.2°  
Horizontal Field Angle (10%): 57.6°  
Vertical Field Angle (10%): 56.6°  
Horizontal Cutoff Angle (3%): 77.1°  
Vertical Cutoff Angle (3%): 76.2°

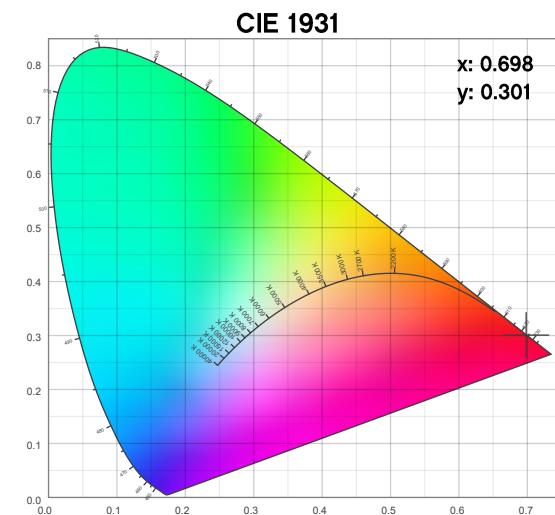
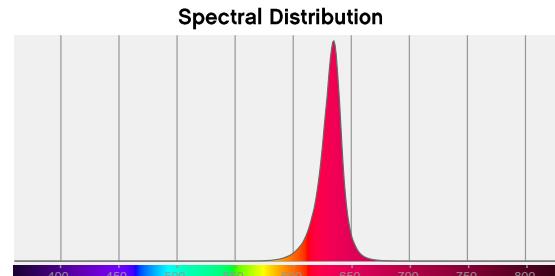
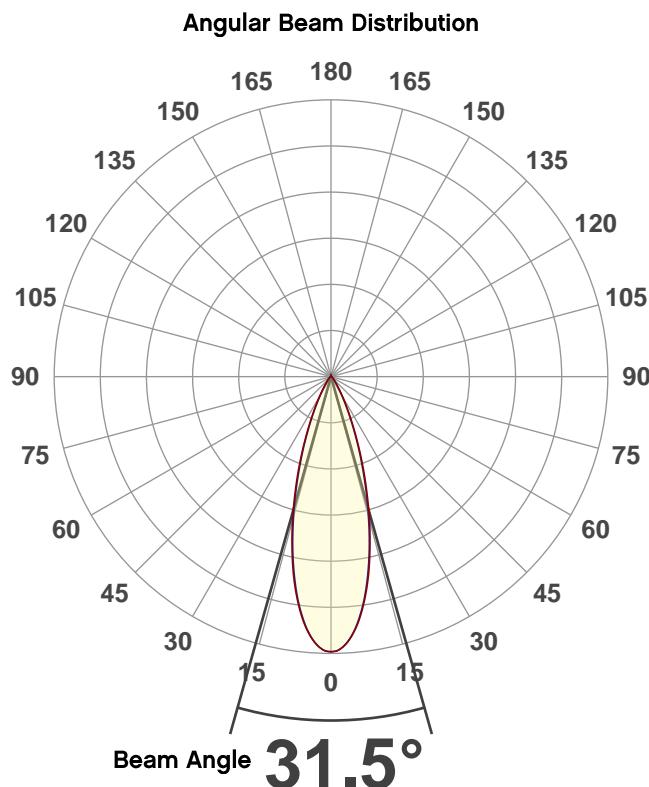


### Conditions

AC Supply: 120 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

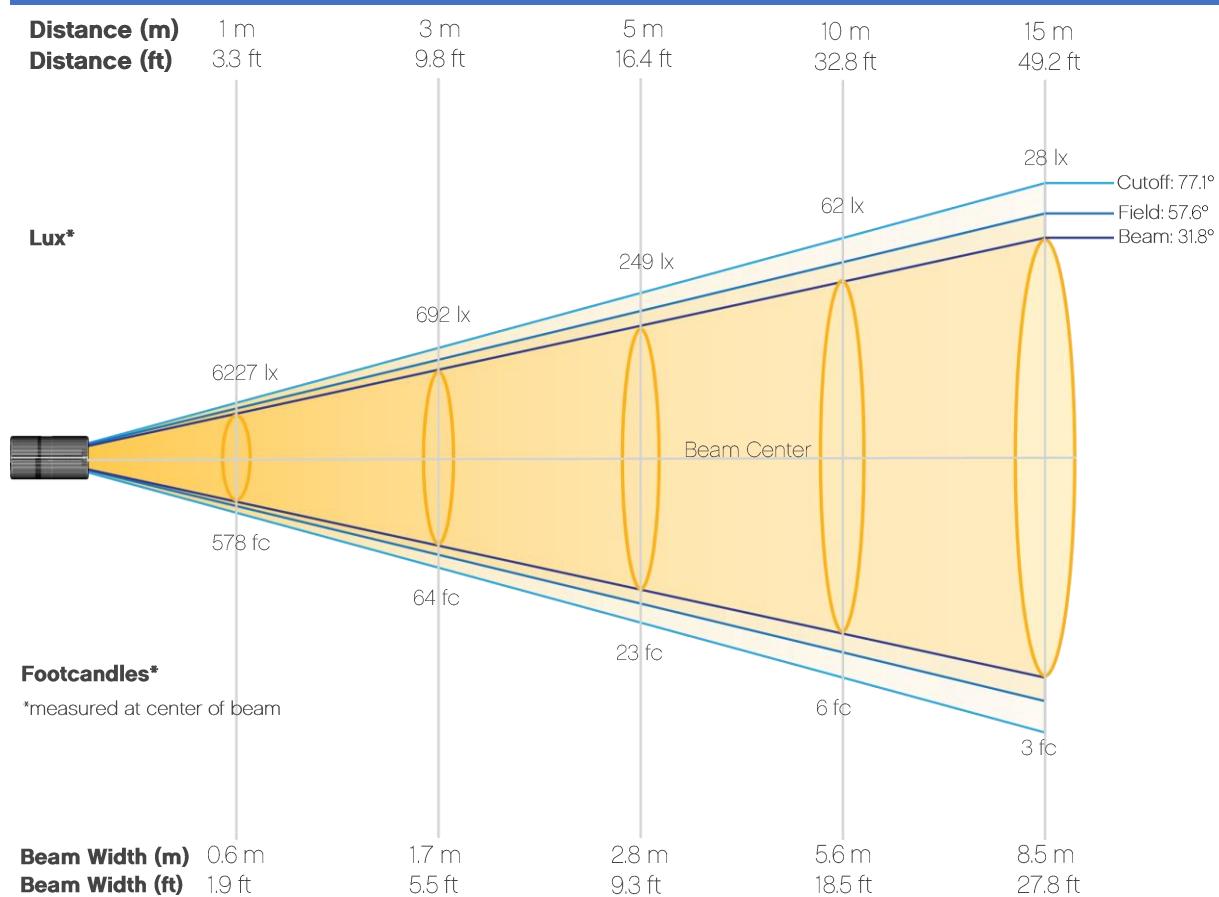
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Beam Details



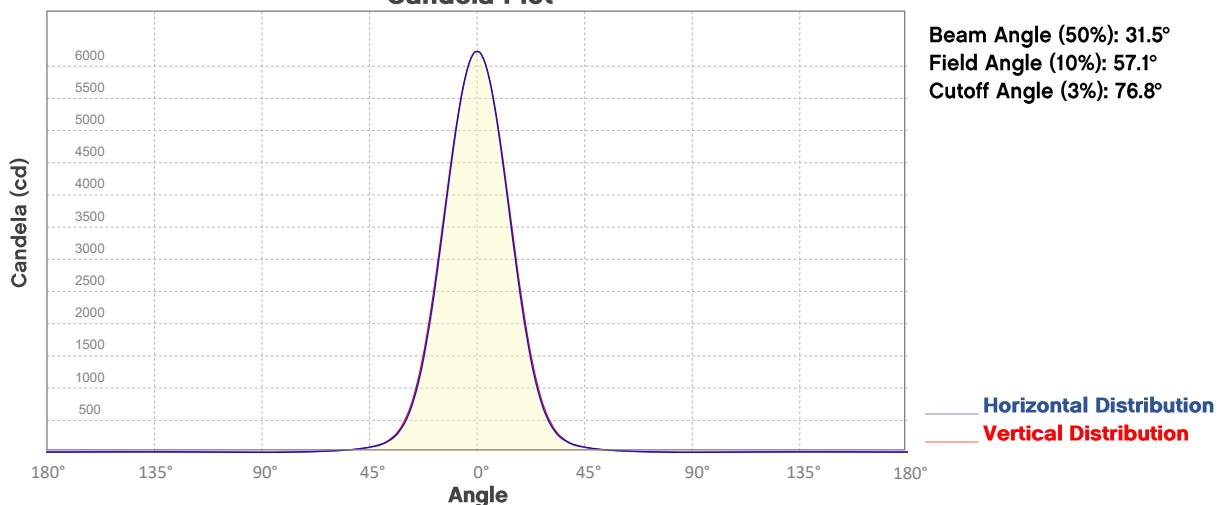
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 6227   | 1557   | 692    | 389    | 249    | 173    | 127    | 97     | 77     | 62     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 51     | 43     | 37     | 32     | 28     | 24     | 22     | 19     | 17     | 16     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 578    | 145    | 64     | 36     | 23     | 16     | 12     | 9      | 7      | 6      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 4      | 3      | 3      | 3      | 2      | 2      | 2      | 2      | 1      |

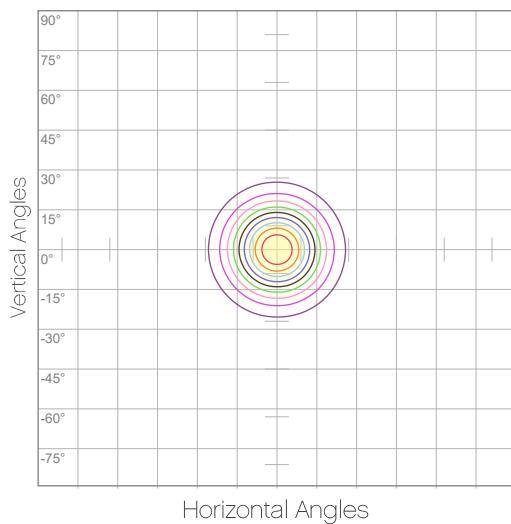
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Candela Plot



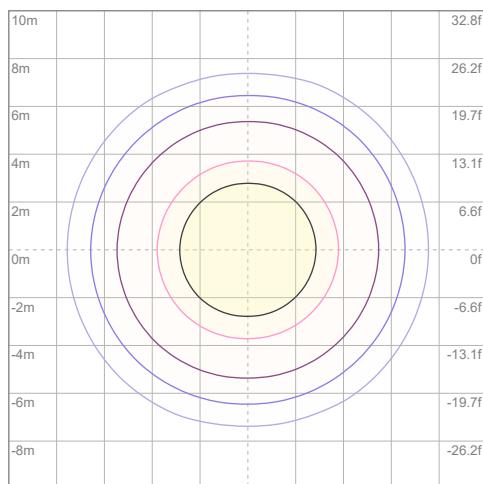
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 623 cd  |
| 20% | 1245 cd |
| 30% | 1868 cd |
| 40% | 2491 cd |
| 50% | 3113 cd |
| 60% | 3736 cd |
| 70% | 4359 cd |
| 80% | 4981 cd |
| 90% | 5604 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 6227 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.87 lx |
| 5%  | 3.11 lx |
| 10% | 6.23 lx |
| 30% | 18.7 lx |
| 50% | 31.1 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 62.3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Report Summary

### Output

Total Lumens: 725 lm

Peak Intensity: 1981 cd

Illuminance @ 5m: 79 lux

Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 31.8°

Vertical Beam Angle (50%): 31.1°

Horizontal Field Angle (10%): 57.5°

Vertical Field Angle (10%): 56.5°

Horizontal Cutoff Angle (3%): 77.3°

Vertical Cutoff Angle (3%): 76.4°



### Conditions

AC Supply: 121 V, 60 Hz

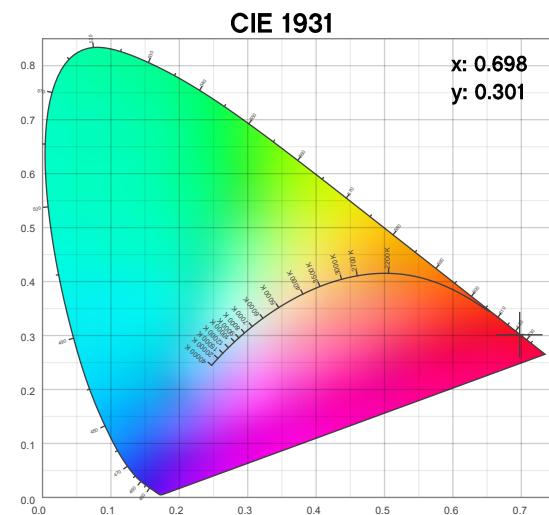
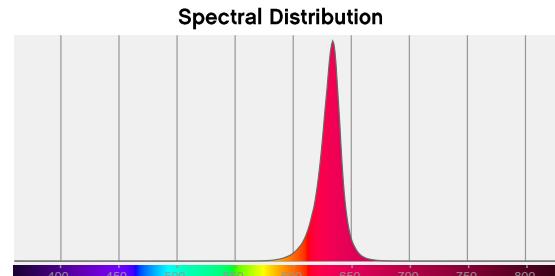
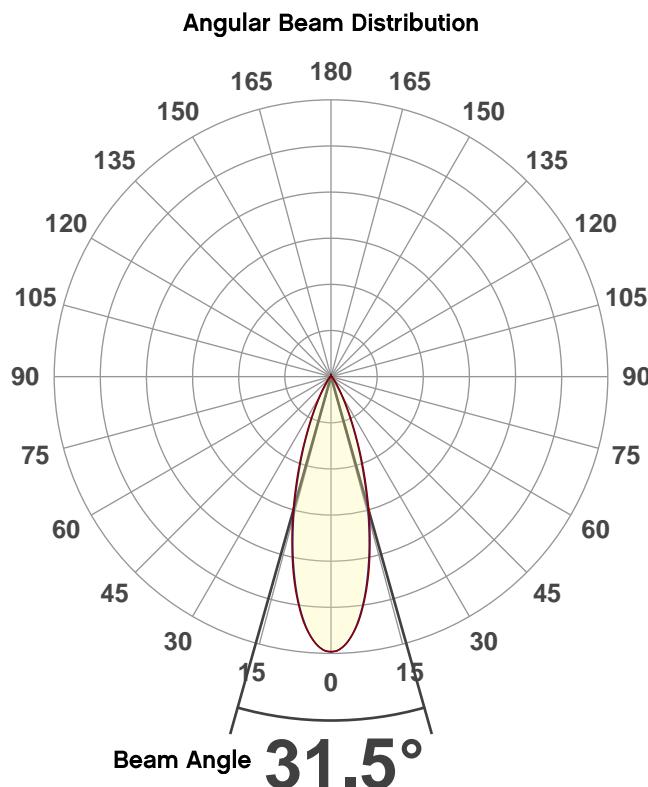
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

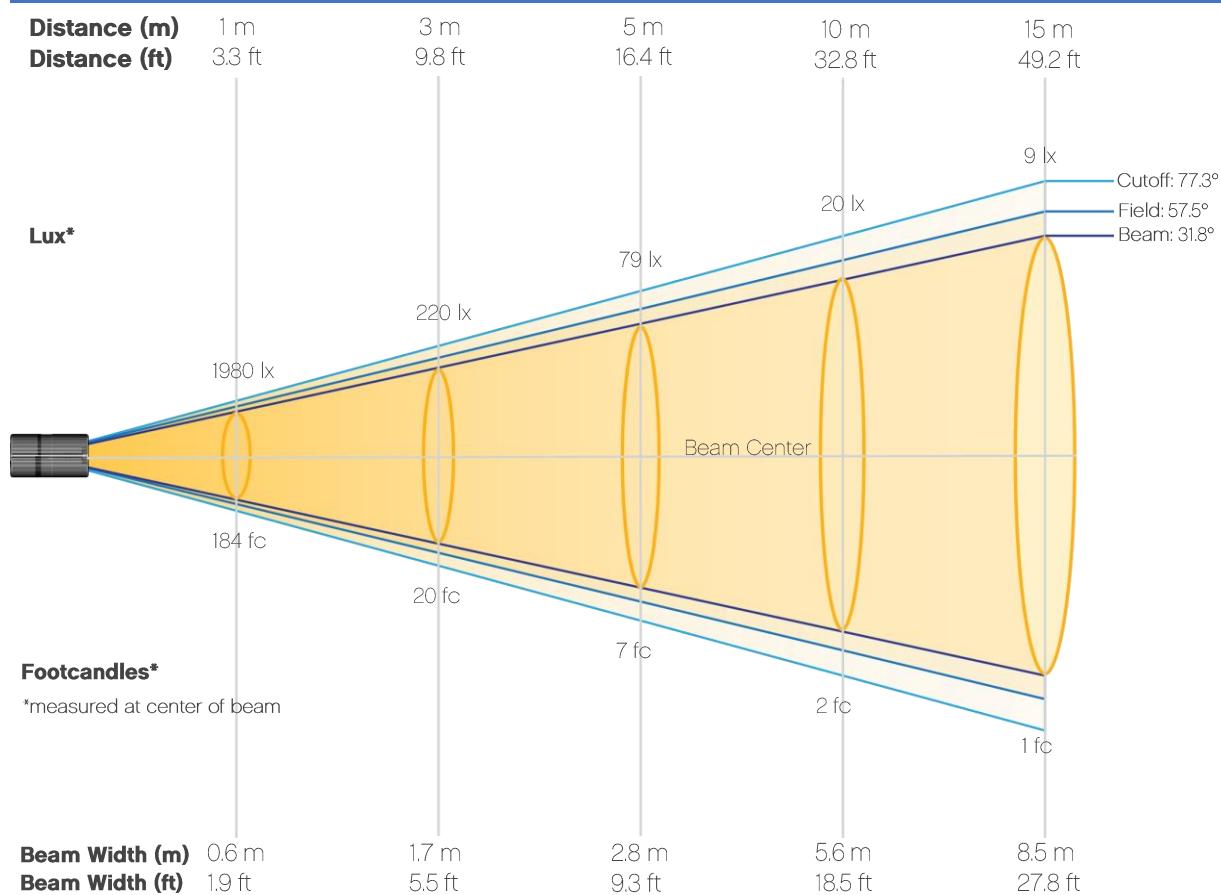
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Beam Details



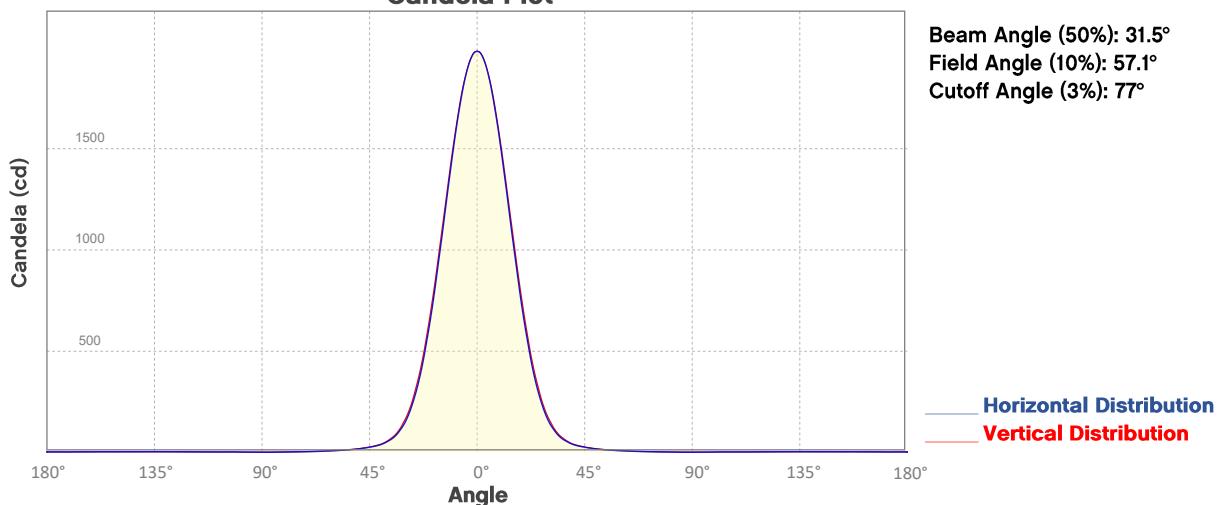
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 1980   | 495    | 220    | 124    | 79     | 55     | 40     | 31     | 24     | 20     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 16     | 14     | 12     | 10     | 9      | 8      | 7      | 6      | 5      | 5      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 184    | 46     | 20     | 11     | 7      | 5      | 4      | 3      | 2      | 2      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 0      |

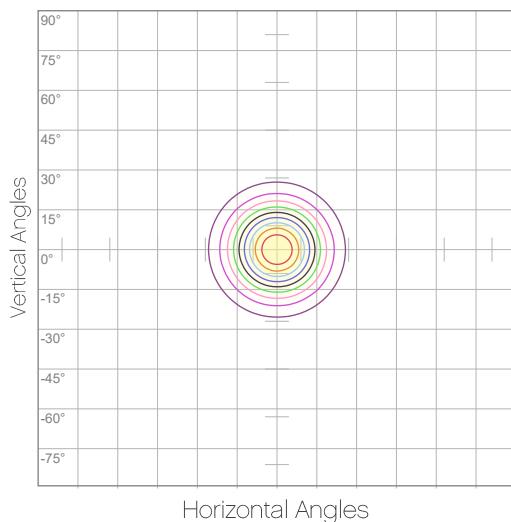
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Candela Plot



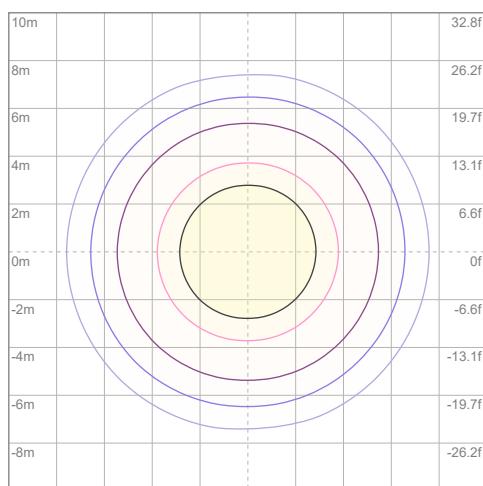
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 198 cd  |
| 20% | 396 cd  |
| 30% | 594 cd  |
| 40% | 792 cd  |
| 50% | 990 cd  |
| 60% | 1188 cd |
| 70% | 1386 cd |
| 80% | 1584 cd |
| 90% | 1782 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 1980 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.594 lx |
| 5%  | 0.990 lx |
| 10% | 1.98 lx  |
| 30% | 5.94 lx  |
| 50% | 9.90 lx  |

Conditions:  
Number of c-planes: 8  
Lux at center: 19.8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Report Summary

### Output

Total Lumens: 484 lm

Peak Intensity: 1328 cd

Illuminance @ 5m: 53 lux

Fixture Efficacy: 6.1 lm/W

### Optical

Horizontal Beam Angle (50%): 31.8°

Vertical Beam Angle (50%): 31.2°

Horizontal Field Angle (10%): 57.6°

Vertical Field Angle (10%): 56.6°

Horizontal Cutoff Angle (3%): 77.2°

Vertical Cutoff Angle (3%): 76.5°



### Conditions

AC Supply: 121 V, 60 Hz

Power: n/a W

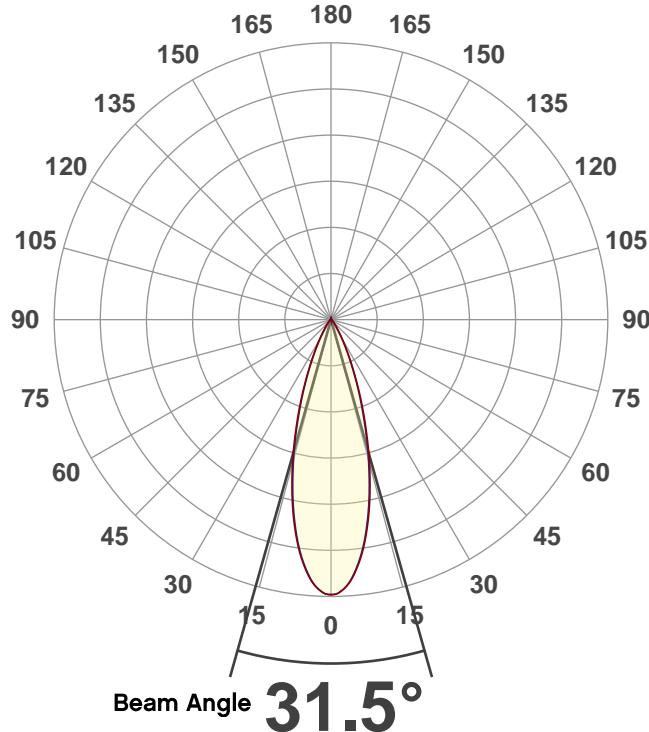
Current: 0.000 A

Power Factor: n/a

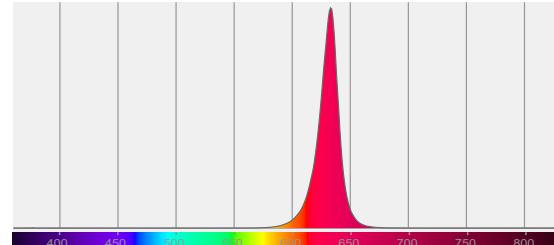
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

## Overall Measurement

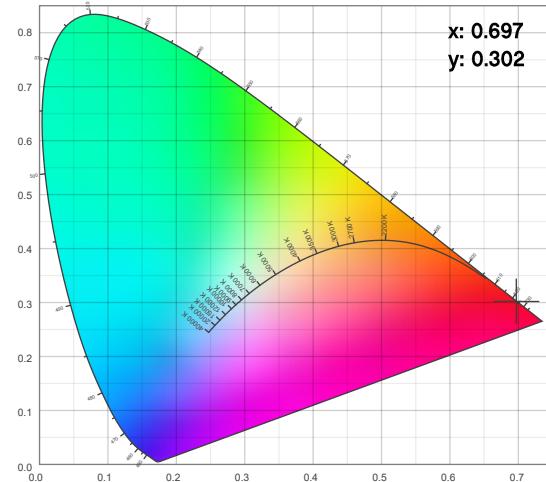
Angular Beam Distribution



Spectral Distribution



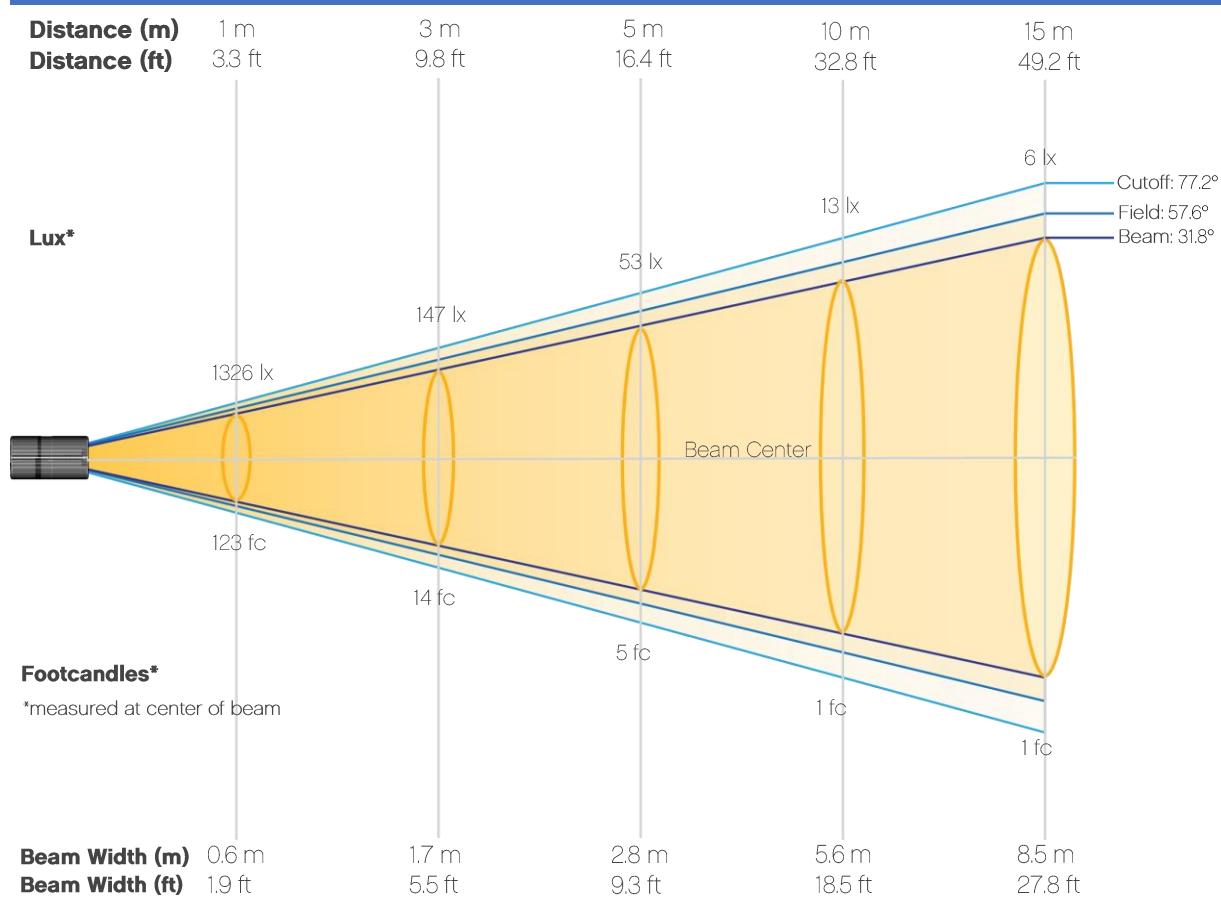
CIE 1931



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only

## Beam Details

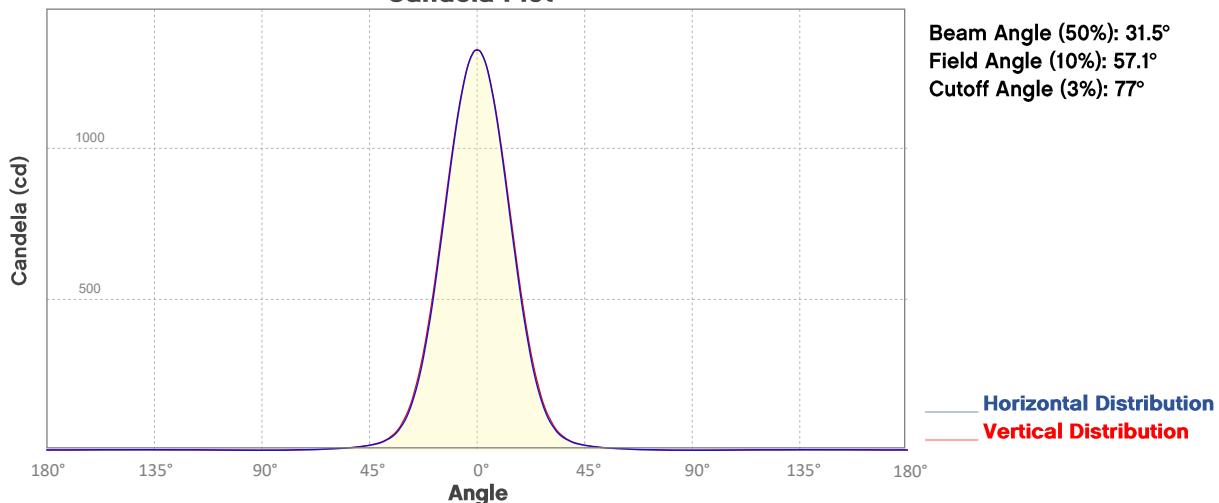


## Beam Illuminances from 1-20m (3.3-65.6ft)

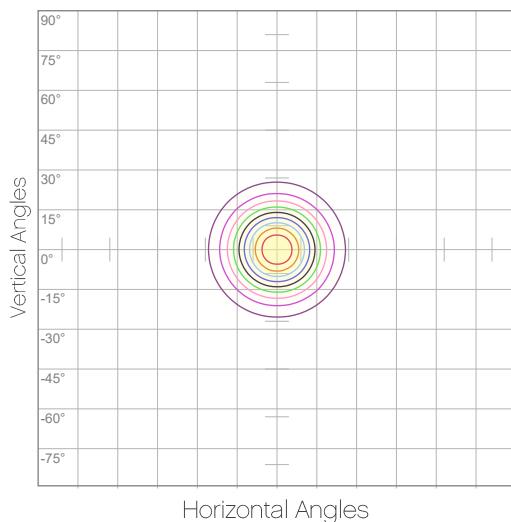
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 1326   | 331    | 147    | 83     | 53     | 37     | 27     | 21     | 16     | 13     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 11     | 9      | 8      | 7      | 6      | 5      | 5      | 4      | 4      | 3      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 123    | 31     | 14     | 8      | 5      | 3      | 3      | 2      | 2      | 1      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 1      | 1      | 1      | 1      | 1      | 0      | 0      | 0      | 0      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Red Only  
**Candela Plot**



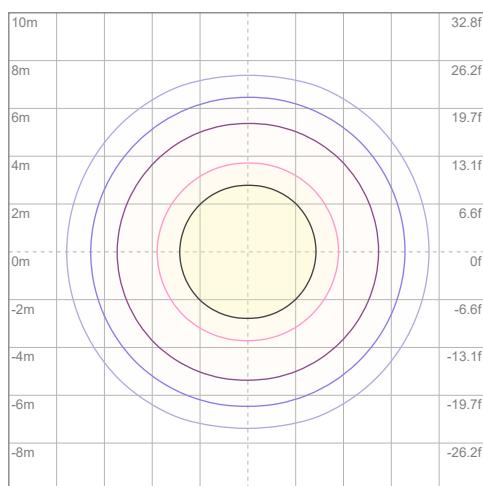
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 133 cd  |
| 20% | 265 cd  |
| 30% | 398 cd  |
| 40% | 530 cd  |
| 50% | 663 cd  |
| 60% | 796 cd  |
| 70% | 928 cd  |
| 80% | 1061 cd |
| 90% | 1193 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 1326 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.398 lx |
| 5%  | 0.663 lx |
| 10% | 1.33 lx  |
| 30% | 3.98 lx  |
| 50% | 6.63 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 13.3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Report Summary

### Output

Total Lumens: 4328 lm  
Peak Intensity: 11519 cd  
Illuminance @ 5m: 460 lux  
Fixture Efficacy: 22 lm/W

### Optical

Horizontal Beam Angle (50%): 32.6°  
Vertical Beam Angle (50%): 31.9°  
Horizontal Field Angle (10%): 58.7°  
Vertical Field Angle (10%): 57.7°  
Horizontal Cutoff Angle (3%): 78.5°  
Vertical Cutoff Angle (3%): 77.5°

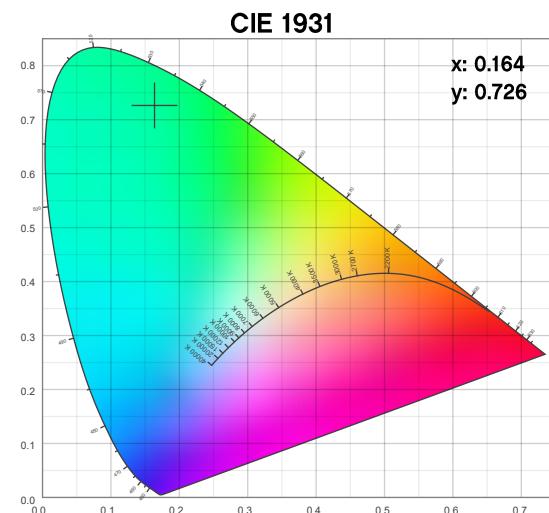
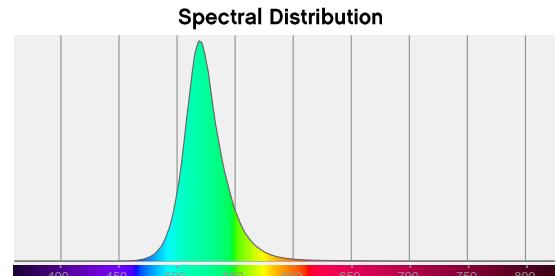
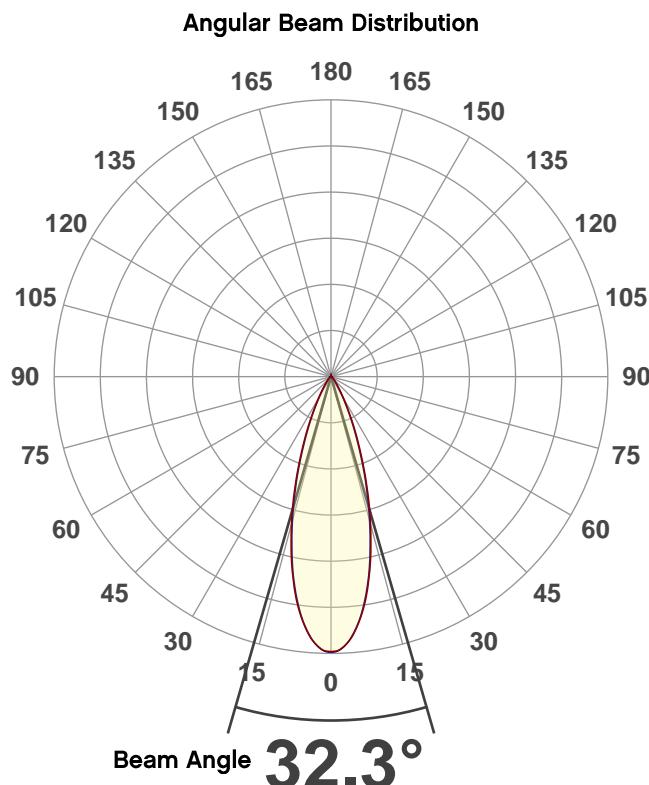


### Conditions

AC Supply: 121 V, 60 Hz  
Power: 194.55 W  
Current: 1.61 A  
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/26/2020 to LM-63-2002 Standards.

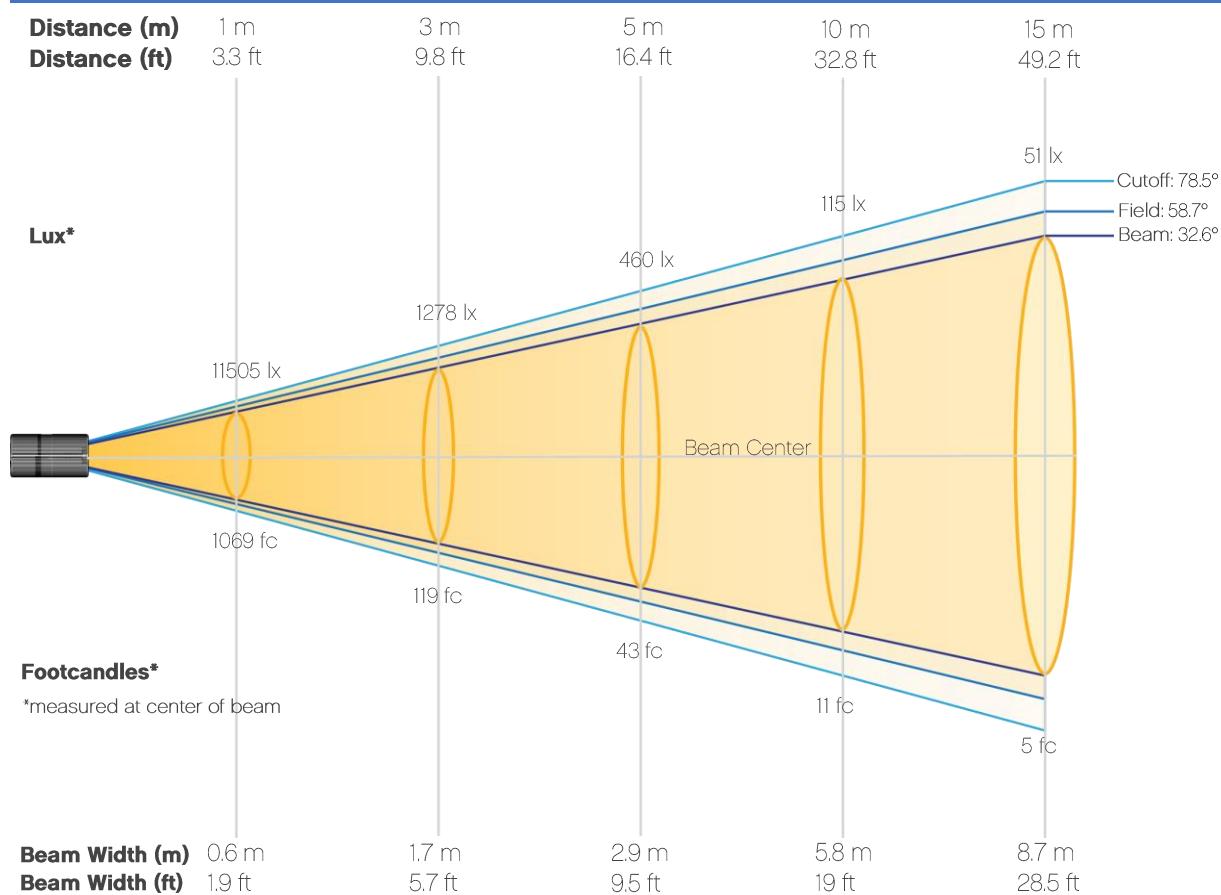
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Beam Details



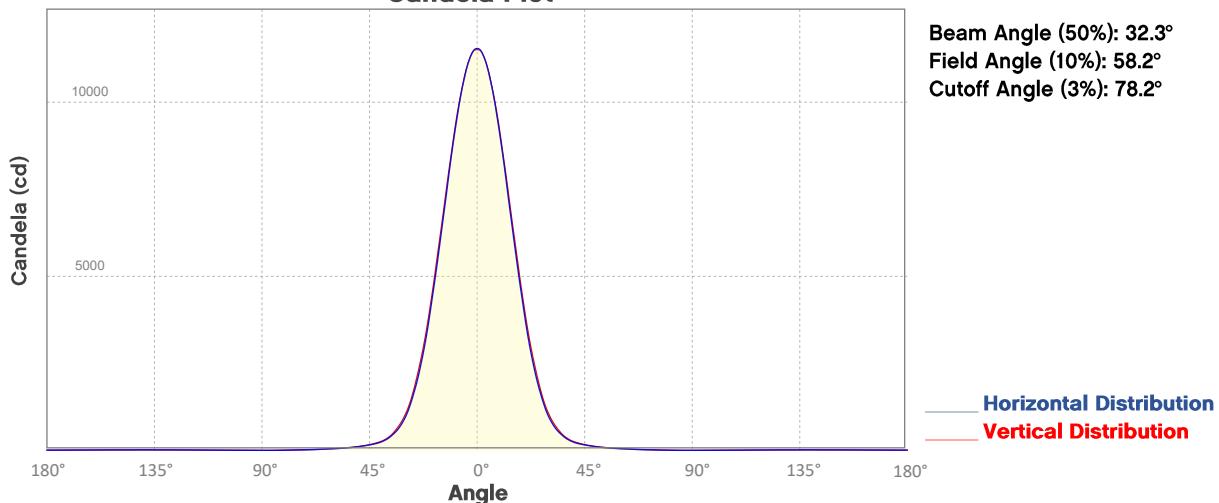
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 11505  | 2876   | 1278   | 719    | 460    | 320    | 235    | 180    | 142    | 115    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 95     | 80     | 68     | 59     | 51     | 45     | 40     | 36     | 32     | 29     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1069   | 267    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |

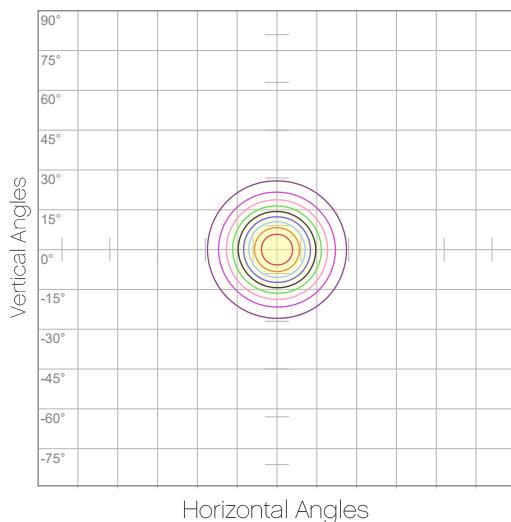
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Candela Plot



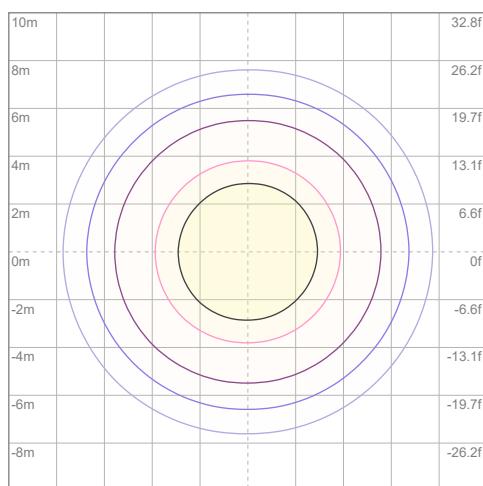
## Polar Diagrams



**iso-candela Diagram**

|     |          |
|-----|----------|
| 10% | 1150 cd  |
| 20% | 2301 cd  |
| 30% | 3451 cd  |
| 40% | 4602 cd  |
| 50% | 5752 cd  |
| 60% | 6903 cd  |
| 70% | 8053 cd  |
| 80% | 9204 cd  |
| 90% | 10354 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 11505 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 3.45 lx |
| 5%  | 5.75 lx |
| 10% | 11.5 lx |
| 30% | 34.5 lx |
| 50% | 57.5 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 115 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Report Summary

### Output

Total Lumens: 4369 lm  
Peak Intensity: 11600 cd  
Illuminance @ 5m: 463 lux  
Fixture Efficacy: fti lm/W

### Optical

Horizontal Beam Angle (50%): 32.6°  
Vertical Beam Angle (50%): 31.9°  
Horizontal Field Angle (10%): 58.8°  
Vertical Field Angle (10%): 57.7°  
Horizontal Cutoff Angle (3%): 78.7°  
Vertical Cutoff Angle (3%): 77.6°

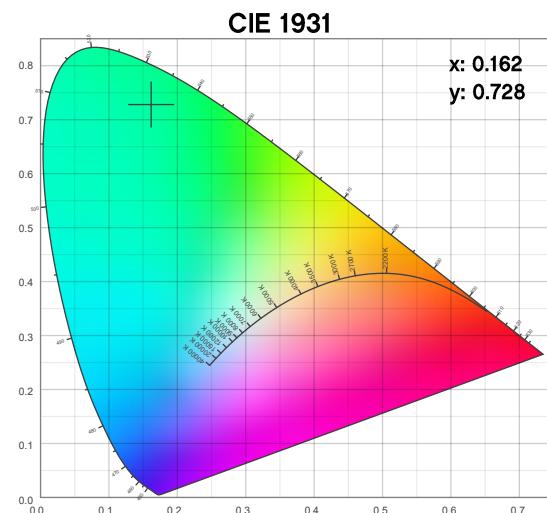
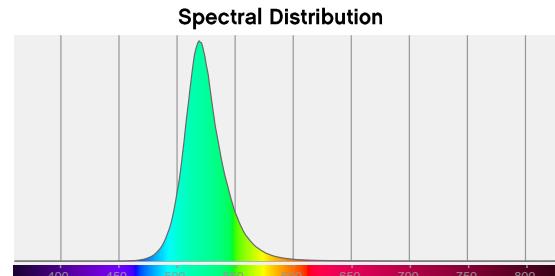
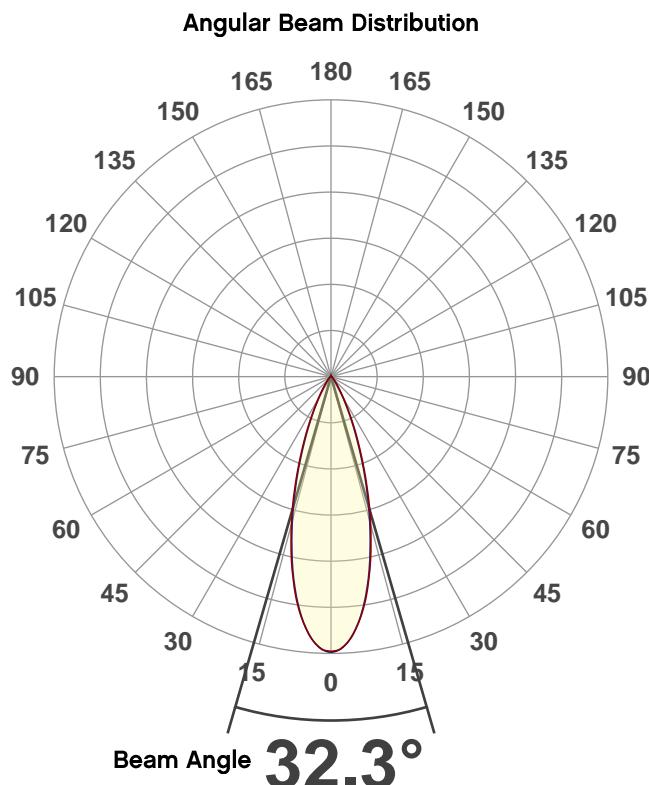


### Conditions

AC Supply: 120 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

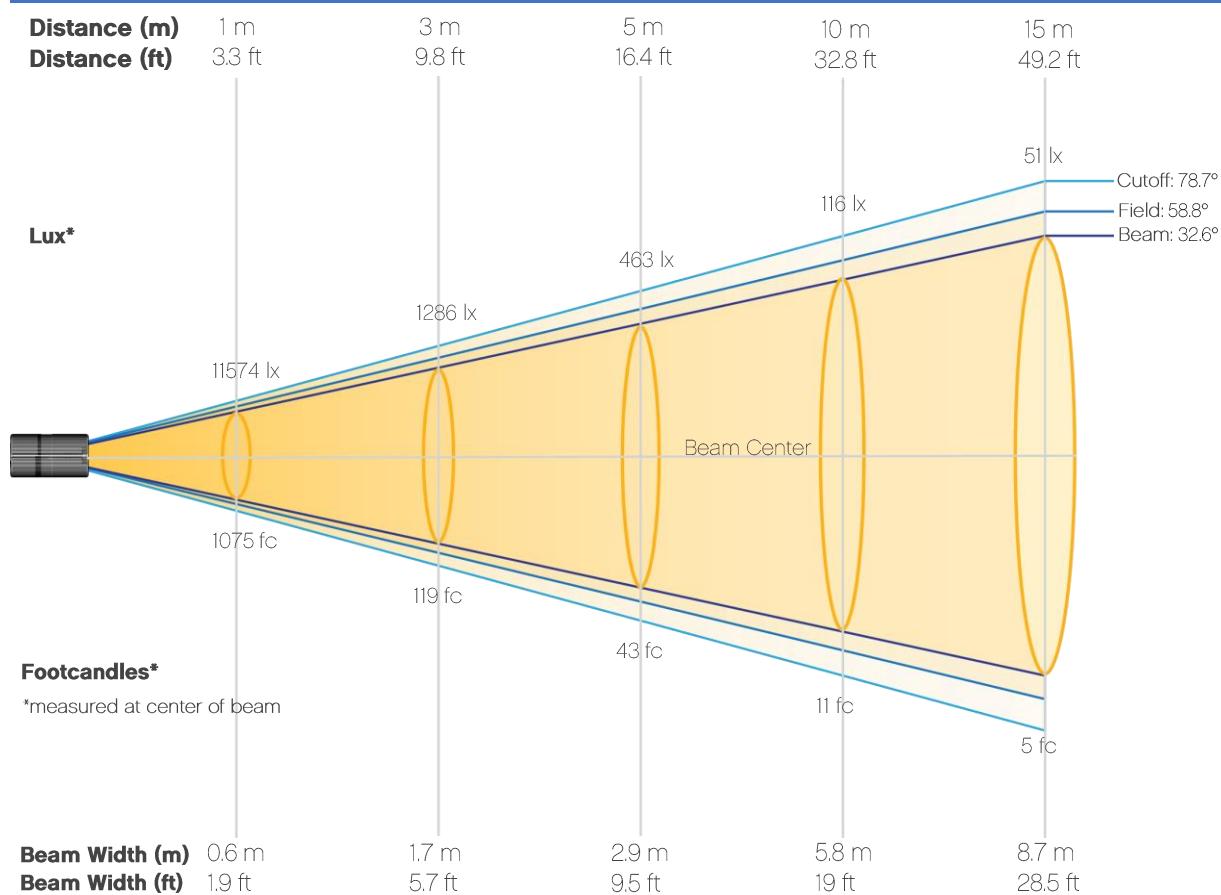
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Beam Details



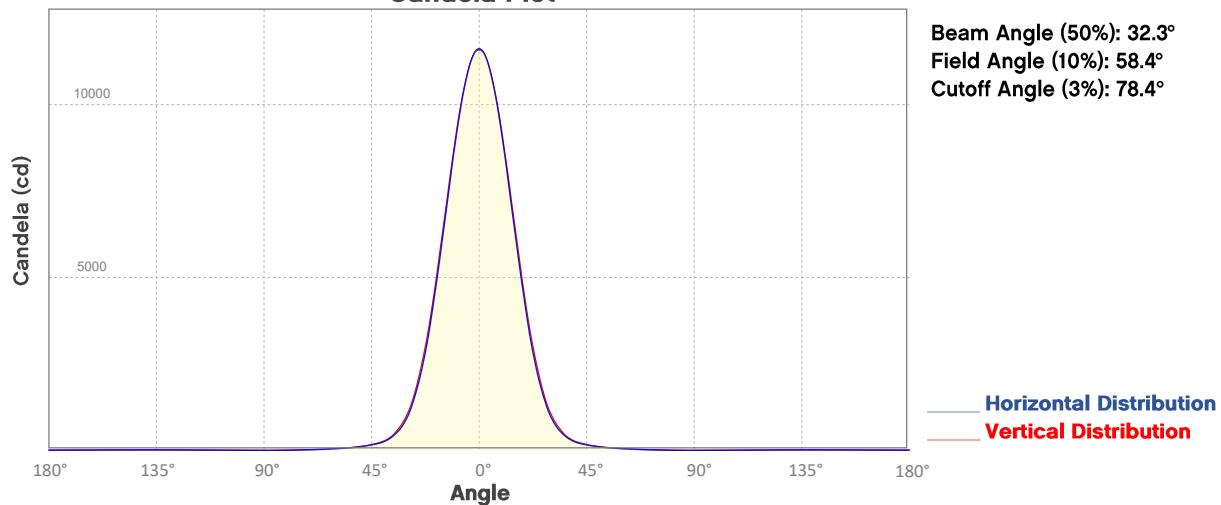
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 11574  | 2894   | 1286   | 723    | 463    | 322    | 236    | 181    | 143    | 116    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 96     | 80     | 68     | 59     | 51     | 45     | 40     | 36     | 32     | 29     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1075   | 269    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |

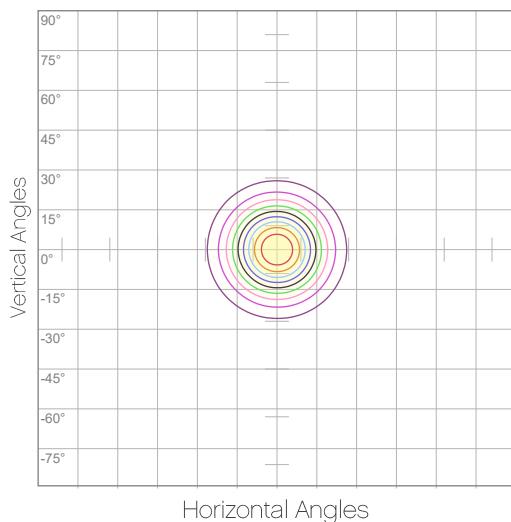
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Candela Plot



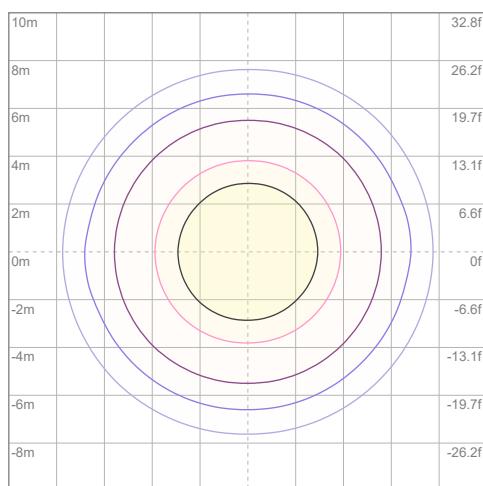
## Polar Diagrams



**iso-candela Diagram**

|     |          |
|-----|----------|
| 10% | 1157 cd  |
| 20% | 2315 cd  |
| 30% | 3472 cd  |
| 40% | 4630 cd  |
| 50% | 5787 cd  |
| 60% | 6945 cd  |
| 70% | 8102 cd  |
| 80% | 9259 cd  |
| 90% | 10417 cd |

Conditions:  
 Number of c-planes: 8  
 Candela at center: 11574 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 3.47 lx |
| 5%  | 5.79 lx |
| 10% | 11.6 lx |
| 30% | 34.7 lx |
| 50% | 57.9 lx |

Conditions:  
 Number of c-planes: 8  
 Lux at center: 116 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Report Summary

### Output

Total Lumens: 4354 lm  
Peak Intensity: 11560 cd  
Illuminance @ 5m: 462 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.6°  
Vertical Beam Angle (50%): 31.9°  
Horizontal Field Angle (10%): 58.8°  
Vertical Field Angle (10%): 57.7°  
Horizontal Cutoff Angle (3%): 78.6°  
Vertical Cutoff Angle (3%): 77.6°

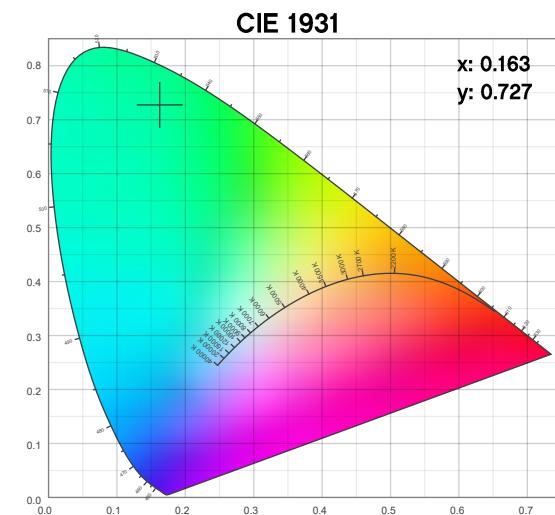
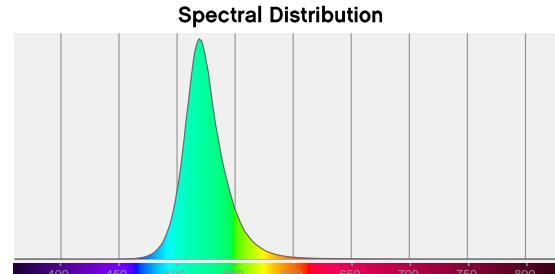
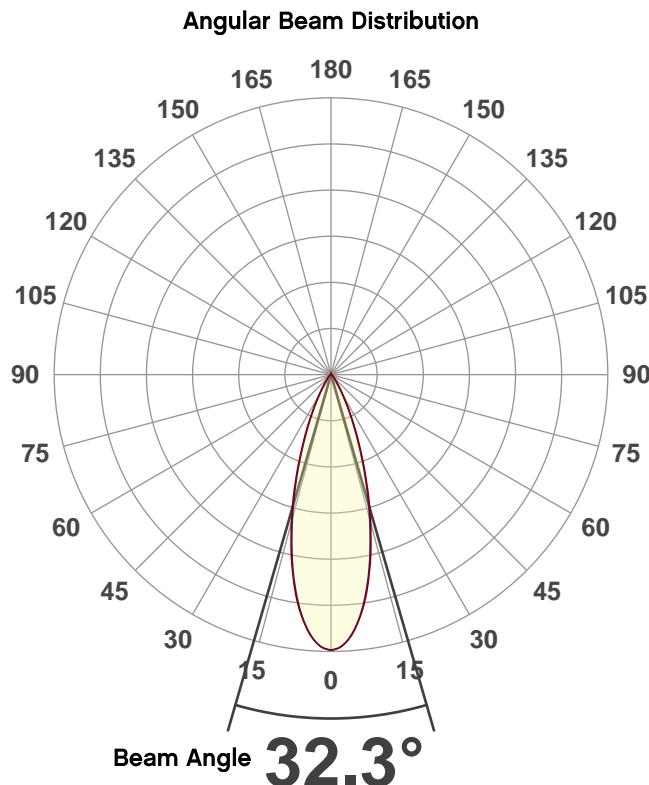


### Conditions

AC Supply: 122 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

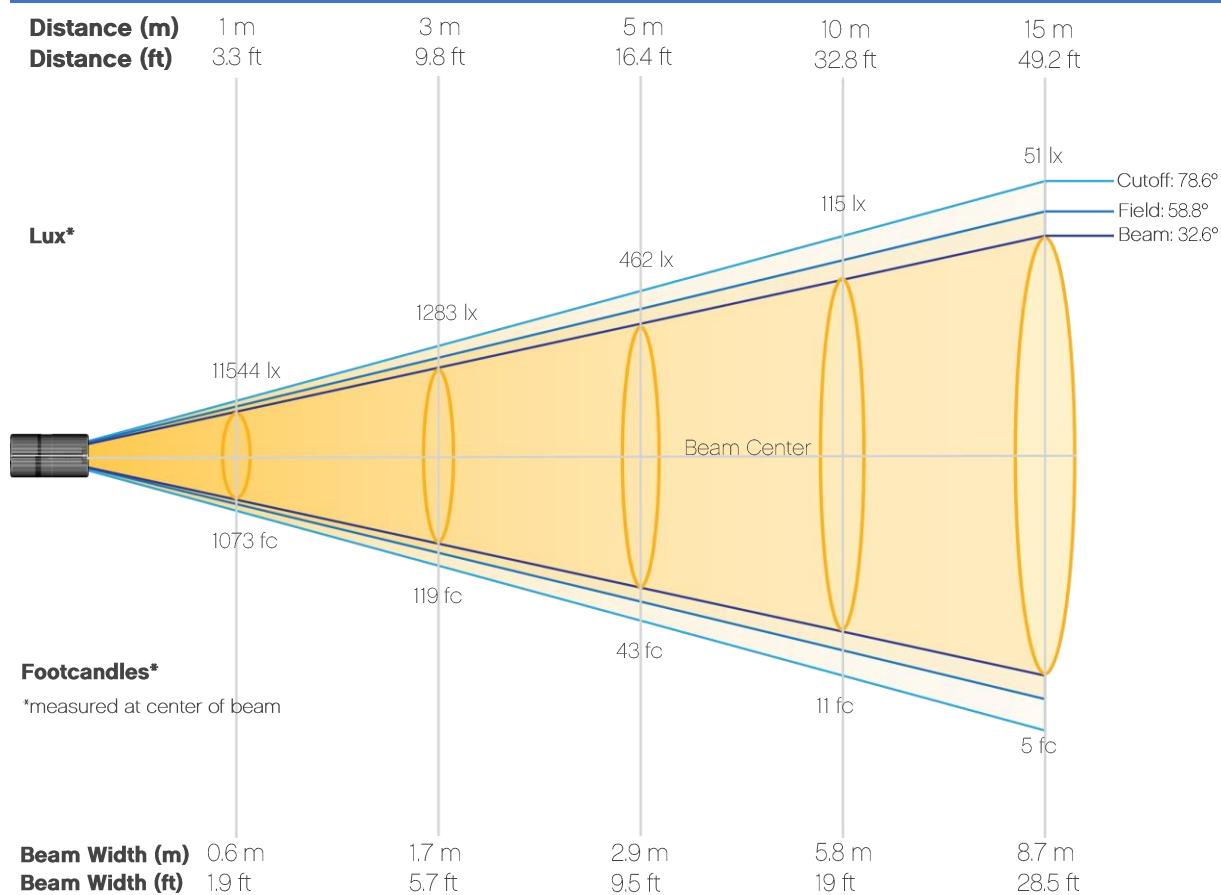
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Beam Details



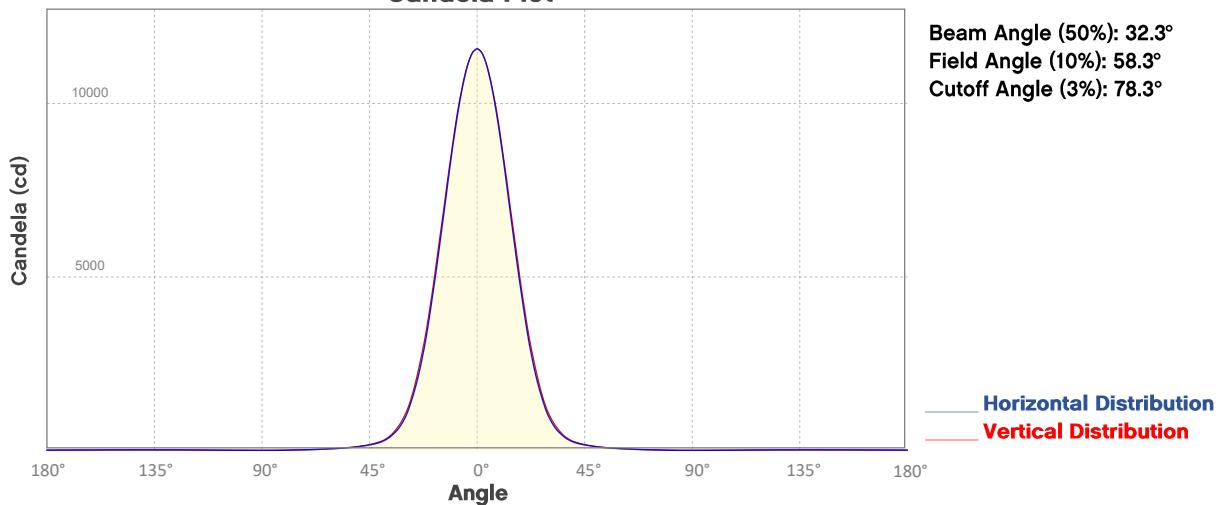
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 11544  | 2886   | 1283   | 722    | 462    | 321    | 236    | 180    | 143    | 115    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 95     | 80     | 68     | 59     | 51     | 45     | 40     | 36     | 32     | 29     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1073   | 268    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |

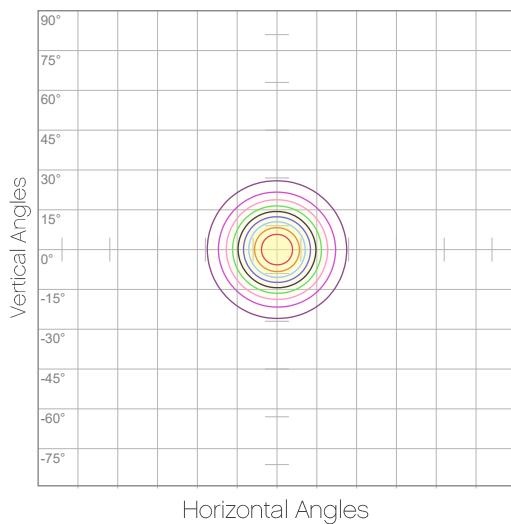
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Candela Plot



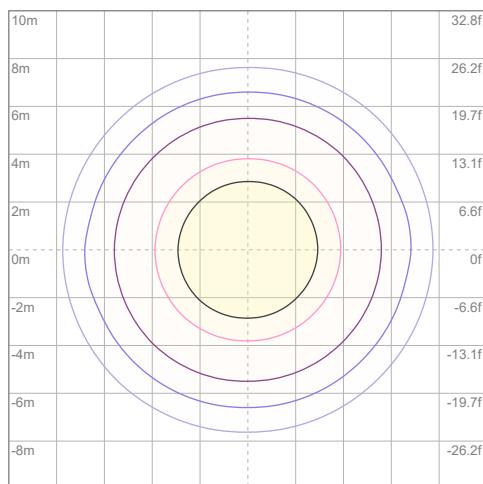
## Polar Diagrams



**iso-candela Diagram**

|     |          |
|-----|----------|
| 10% | 1154 cd  |
| 20% | 2309 cd  |
| 30% | 3463 cd  |
| 40% | 4618 cd  |
| 50% | 5772 cd  |
| 60% | 6927 cd  |
| 70% | 8081 cd  |
| 80% | 9236 cd  |
| 90% | 10390 cd |

Conditions:  
 Number of c-planes: 8  
 Candela at center: 1154 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 3.46 lx |
| 5%  | 5.77 lx |
| 10% | 11.5 lx |
| 30% | 34.6 lx |
| 50% | 57.7 lx |

Conditions:  
 Number of c-planes: 8  
 Lux at center: 115 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Report Summary

### Output

Total Lumens: 2190 lm  
Peak Intensity: 5843 cd  
Illuminance @ 5m: 234 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.7°  
Vertical Field Angle (10%): 57.6°  
Horizontal Cutoff Angle (3%): 78.6°  
Vertical Cutoff Angle (3%): 77.6°

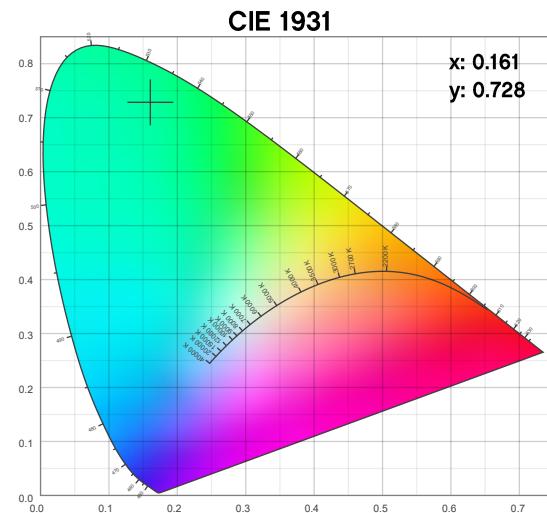
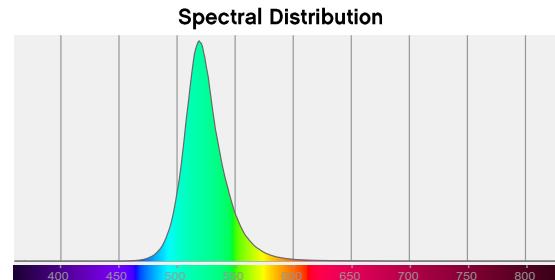
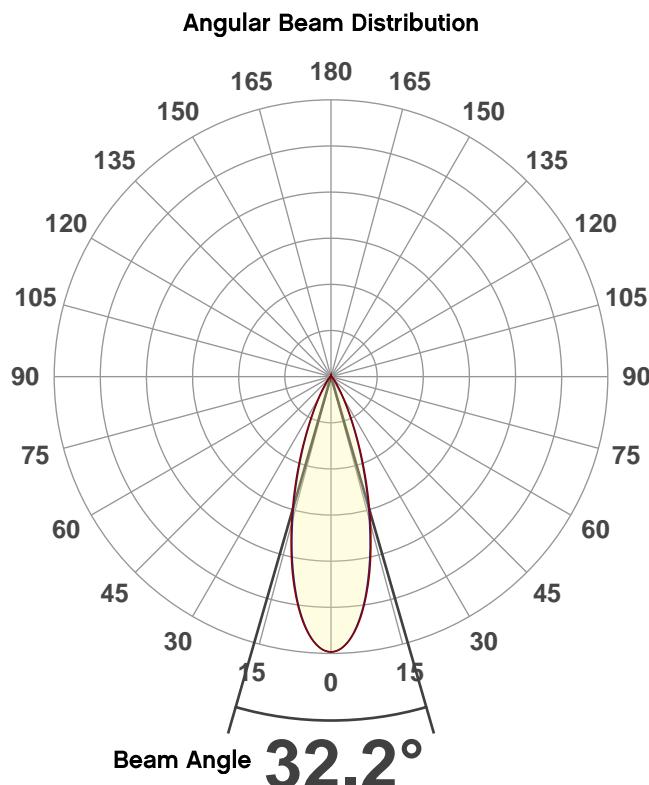


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

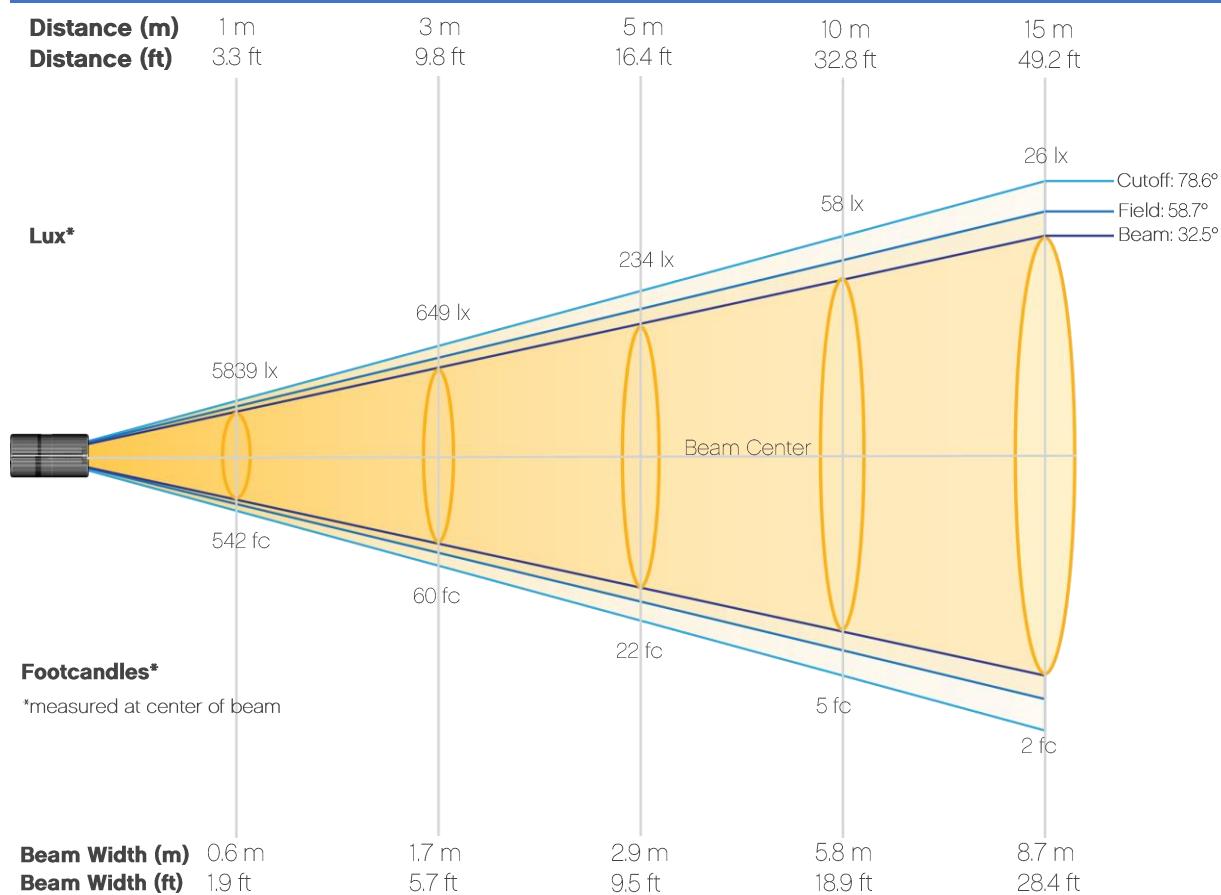
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Beam Details



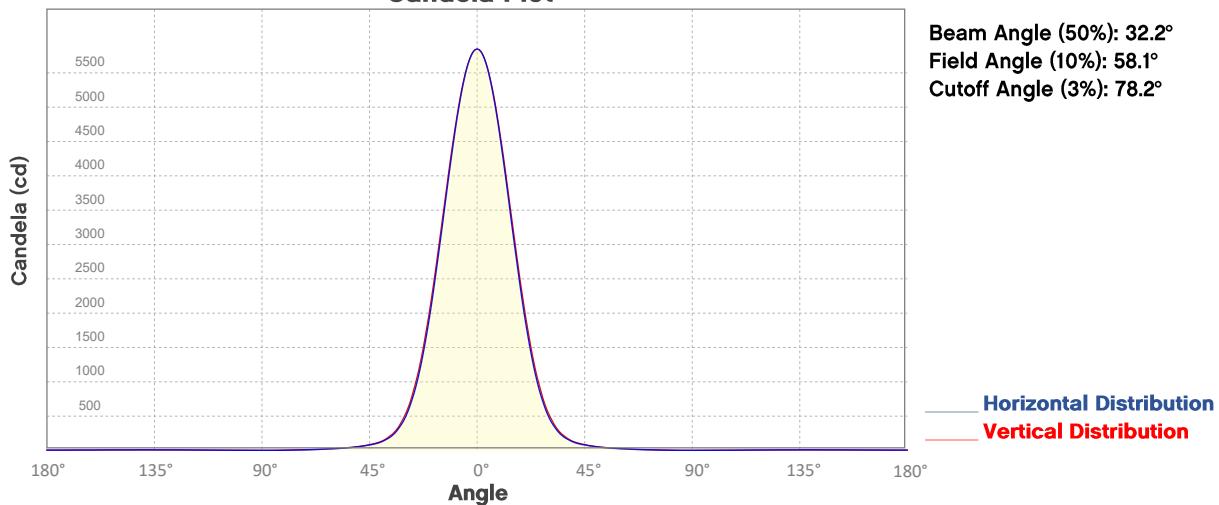
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 5839   | 1460   | 649    | 365    | 234    | 162    | 119    | 91     | 72     | 58     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 48     | 41     | 35     | 30     | 26     | 23     | 20     | 18     | 16     | 15     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 542    | 136    | 60     | 34     | 22     | 15     | 11     | 8      | 7      | 5      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 4      | 4      | 3      | 3      | 2      | 2      | 2      | 2      | 2      | 1      |

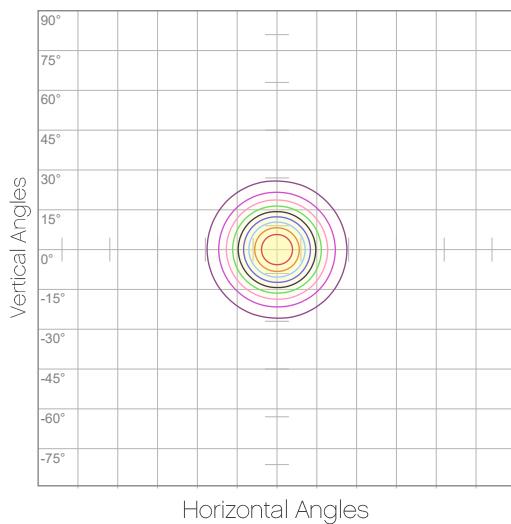
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Candela Plot



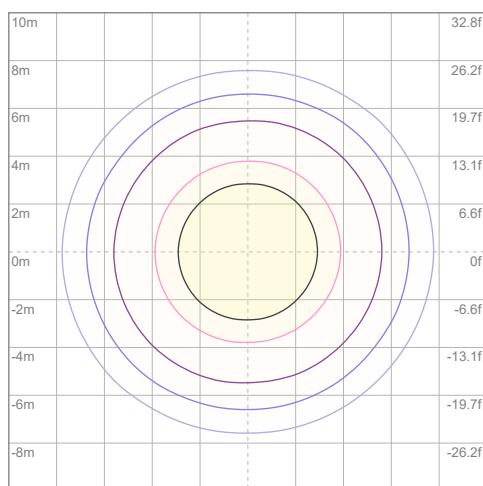
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 584 cd  |
| 20% | 1168 cd |
| 30% | 1752 cd |
| 40% | 2336 cd |
| 50% | 2920 cd |
| 60% | 3503 cd |
| 70% | 4087 cd |
| 80% | 4671 cd |
| 90% | 5255 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 5839 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.75 lx |
| 5%  | 2.92 lx |
| 10% | 5.84 lx |
| 30% | 17.5 lx |
| 50% | 29.2 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 58.4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Report Summary

### Output

Total Lumens: 1365 lm  
Peak Intensity: 3638 cd  
Illuminance @ 5m: 145 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.4°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.6°  
Vertical Field Angle (10%): 57.5°  
Horizontal Cutoff Angle (3%): 78.6°  
Vertical Cutoff Angle (3%): 77.6°

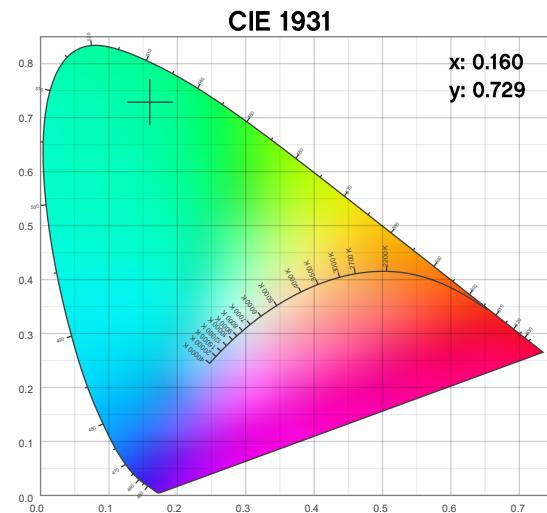
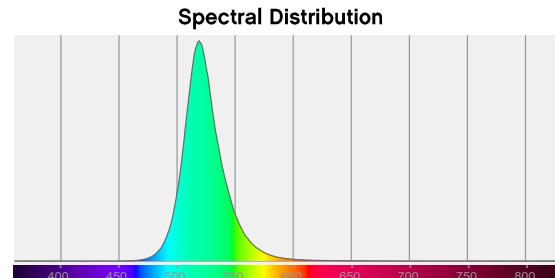
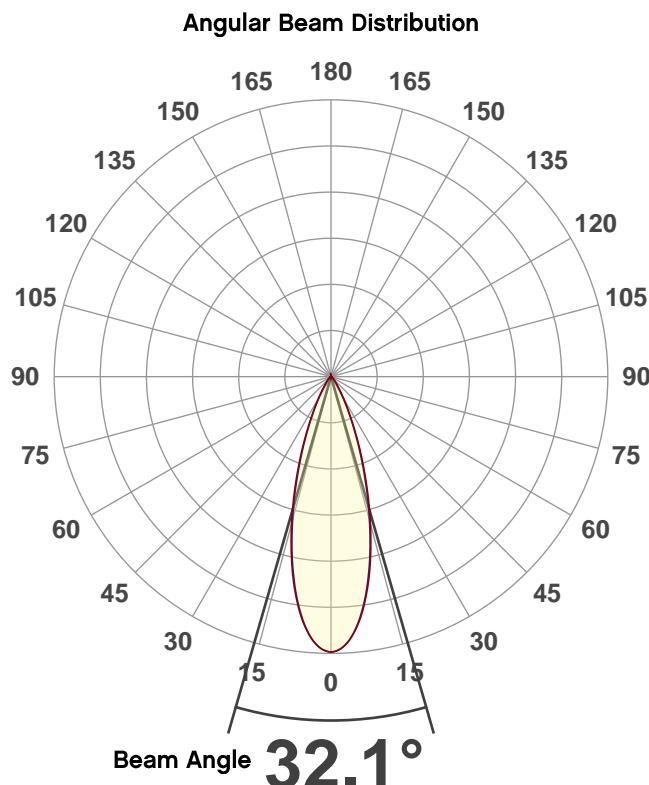


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

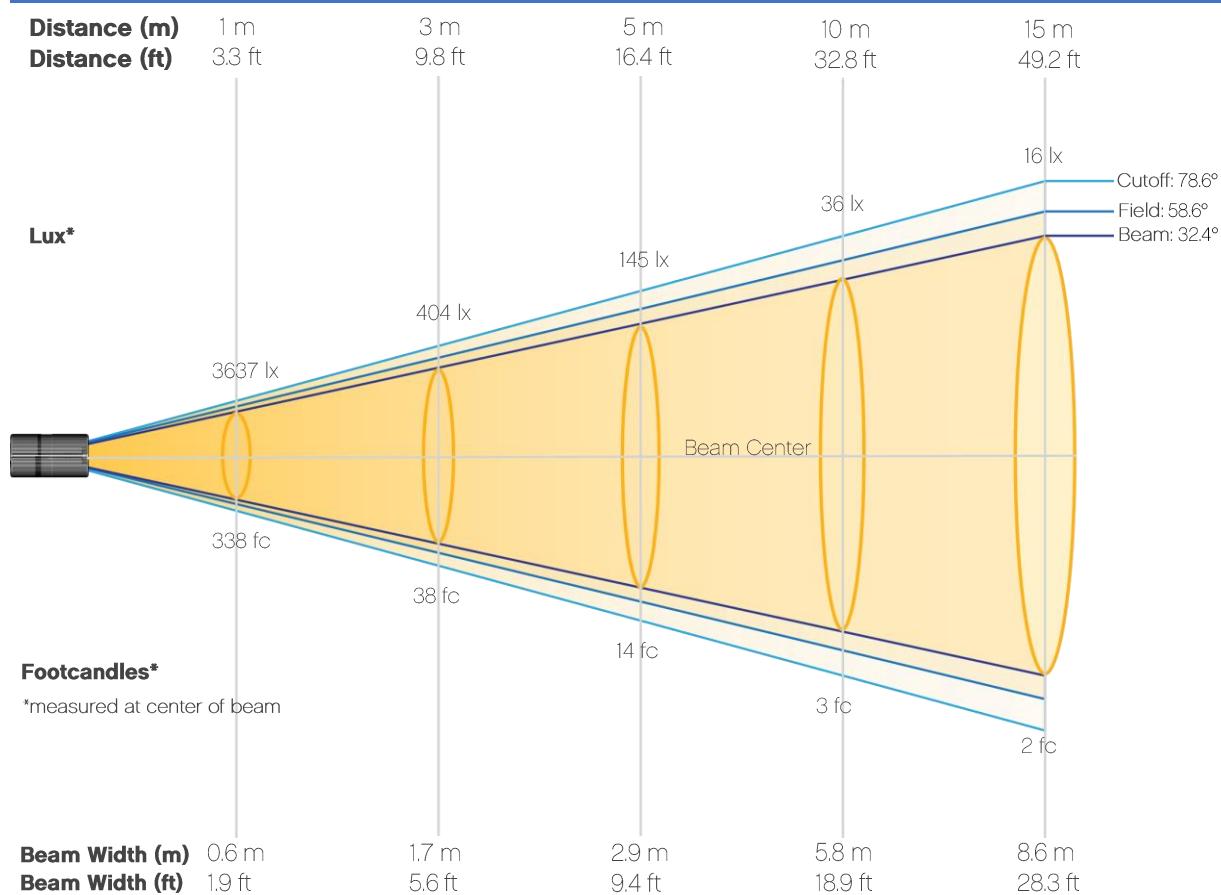
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Beam Details



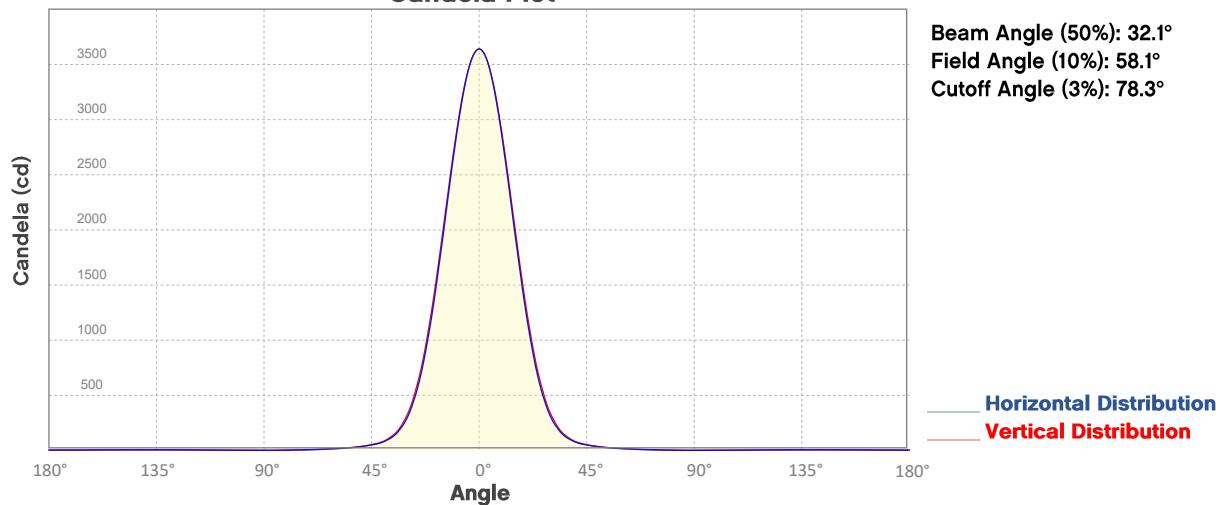
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 3637   | 909    | 404    | 227    | 145    | 101    | 74     | 57     | 45     | 36     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 30     | 25     | 22     | 19     | 16     | 14     | 13     | 11     | 10     | 9      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 338    | 84     | 38     | 21     | 14     | 9      | 7      | 5      | 4      | 3      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 3      | 2      | 2      | 2      | 2      | 1      | 1      | 1      | 1      | 1      |

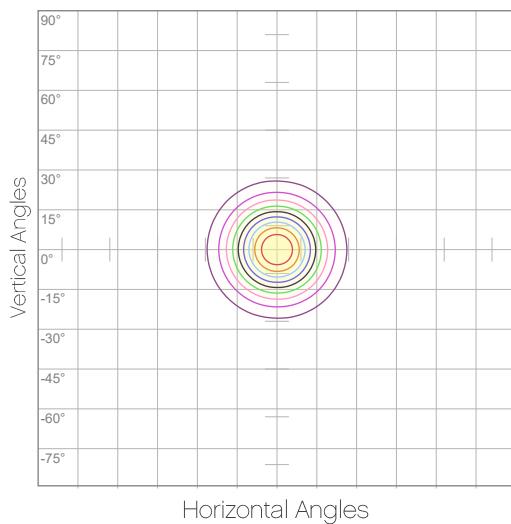
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Candela Plot



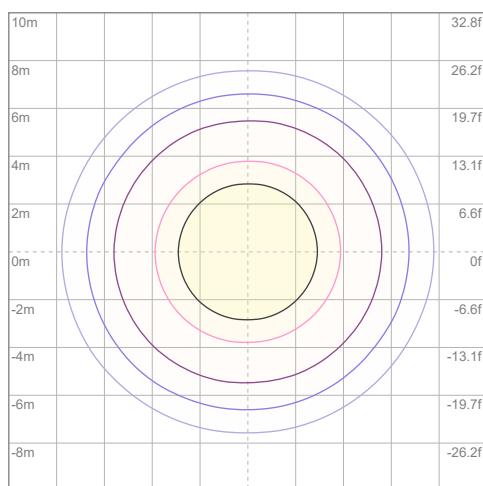
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 364 cd  |
| 20% | 727 cd  |
| 30% | 1091 cd |
| 40% | 1455 cd |
| 50% | 1818 cd |
| 60% | 2182 cd |
| 70% | 2546 cd |
| 80% | 2909 cd |
| 90% | 3273 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 3637 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.09 lx |
| 5%  | 1.82 lx |
| 10% | 3.64 lx |
| 30% | 10.9 lx |
| 50% | 18.2 lx |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 36.4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Report Summary

### Output

Total Lumens: 885 lm

Peak Intensity: 2358 cd

Illuminance @ 5m: 94 lux

Fixture Efficacy: 885 lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°

Vertical Beam Angle (50%): 31.8°

Horizontal Field Angle (10%): 58.5°

Vertical Field Angle (10%): 57.7°

Horizontal Cutoff Angle (3%): 78.6°

Vertical Cutoff Angle (3%): 77.6°



### Conditions

AC Supply: 121 V, 60.1 Hz

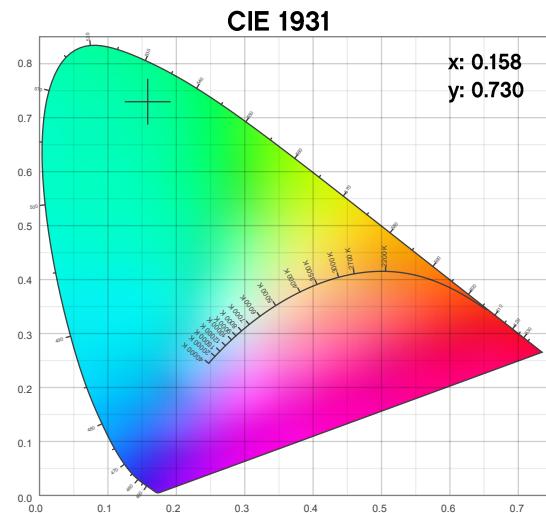
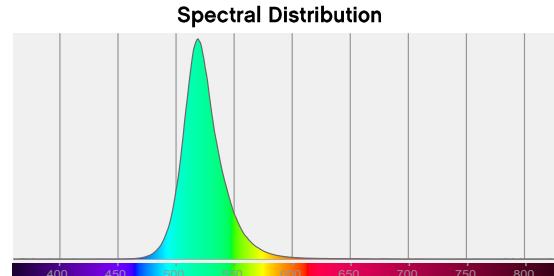
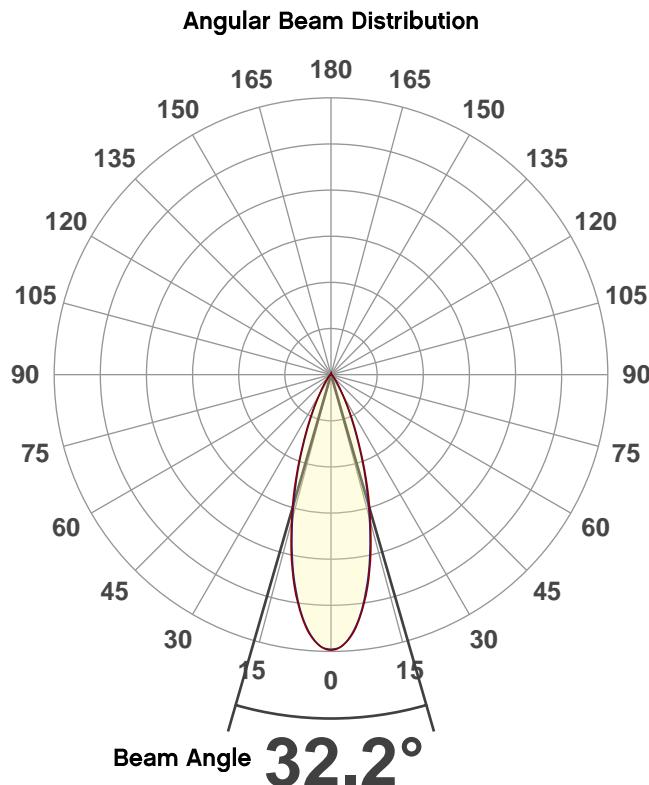
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

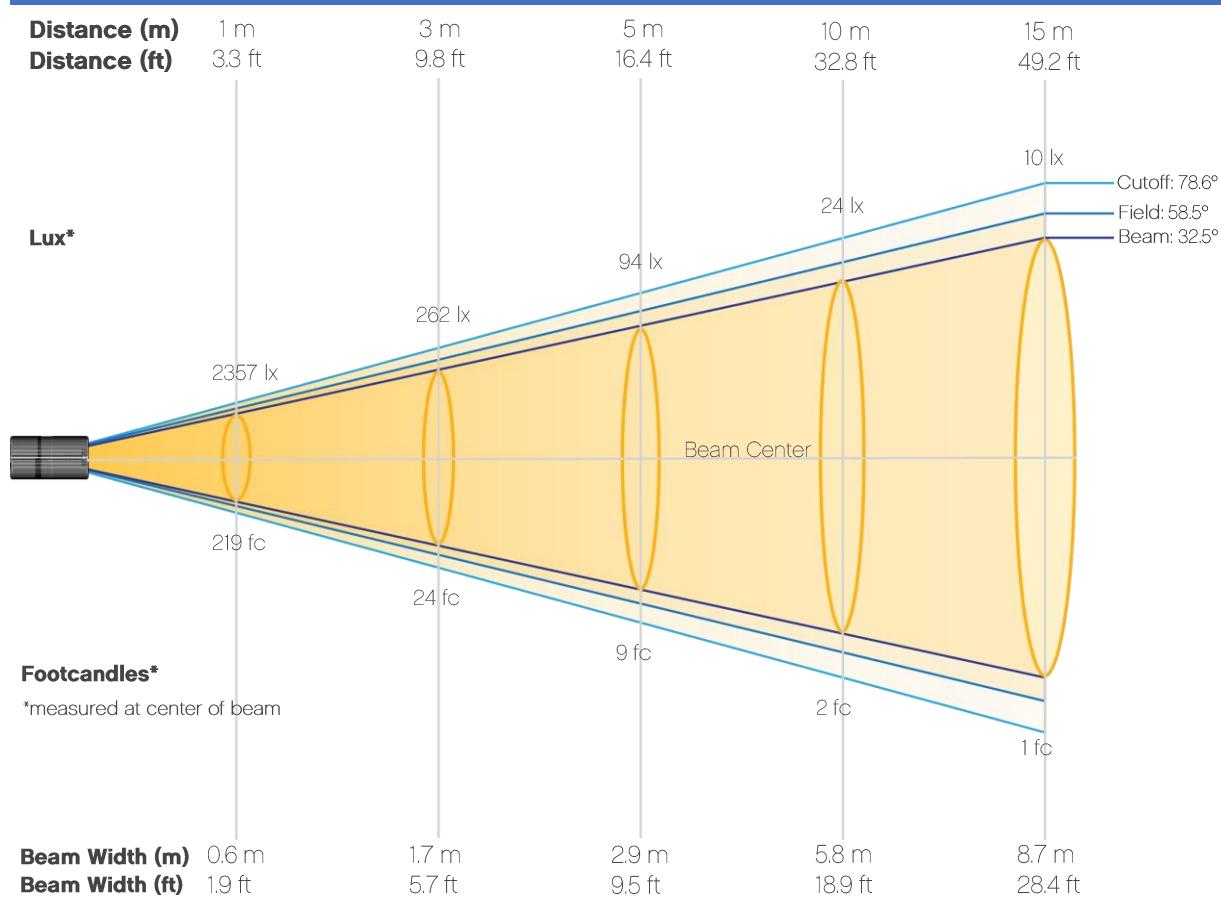
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Beam Details



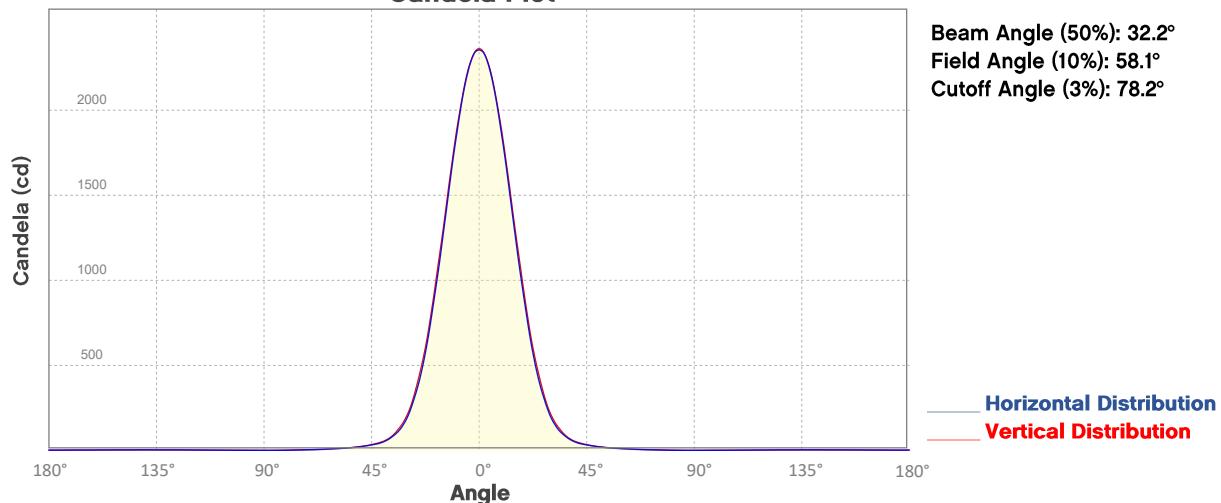
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 2357   | 589    | 262    | 147    | 94     | 65     | 48     | 37     | 29     | 24     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 19     | 16     | 14     | 12     | 10     | 9      | 8      | 7      | 7      | 6      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 219    | 55     | 24     | 14     | 9      | 6      | 4      | 3      | 3      | 2      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      |

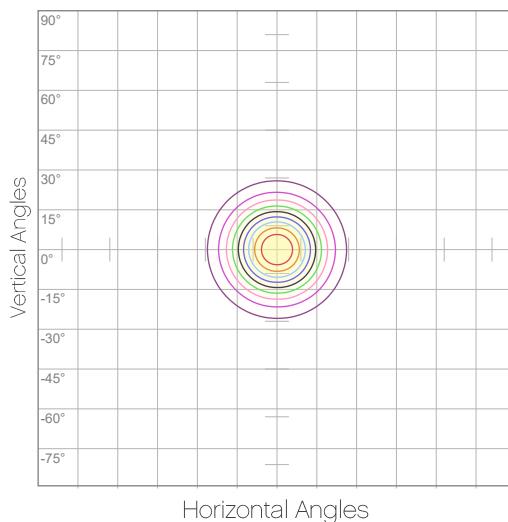
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Green Only

## Candela Plot



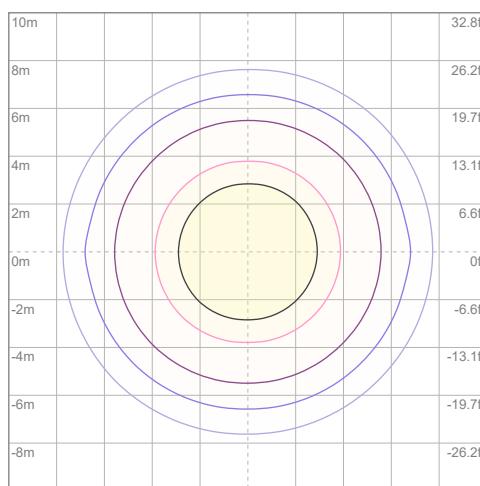
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 236 cd  |
| 20% | 471 cd  |
| 30% | 707 cd  |
| 40% | 943 cd  |
| 50% | 1178 cd |
| 60% | 1414 cd |
| 70% | 1650 cd |
| 80% | 1885 cd |
| 90% | 2121 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 2357 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.707 lx |
| 5%  | 1.18 lx  |
| 10% | 2.36 lx  |
| 30% | 7.07 lx  |
| 50% | 11.8 lx  |

Conditions:  
Number of c-planes: 8  
Lux at center: 23.6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Report Summary

### Output

Total Lumens: 434 lm

Peak Intensity: 1073 cd

Illuminance @ 5m: 43 lux

Fixture Efficacy: 4.1 lm/W

### Optical

Horizontal Beam Angle (50%): 33.3°

Vertical Beam Angle (50%): 32.5°

Horizontal Field Angle (10%): 60°

Vertical Field Angle (10%): 59.1°

Horizontal Cutoff Angle (3%): 81.2°

Vertical Cutoff Angle (3%): 79.9°



### Conditions

AC Supply: 121 V, 60.1 Hz

Power: n/a W

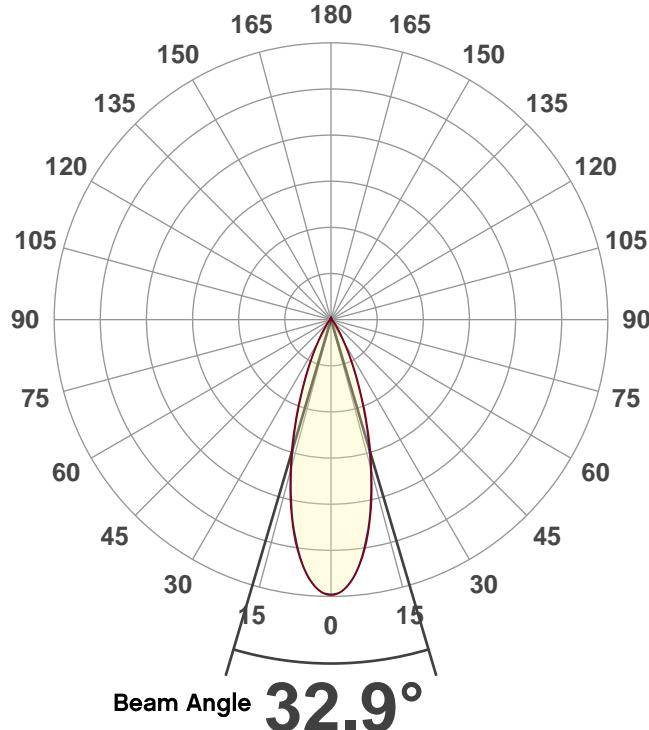
Current: 0.000 A

Power Factor: n/a

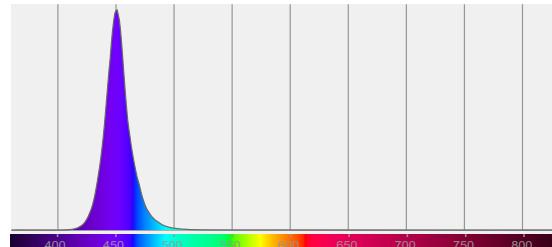
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

## Overall Measurement

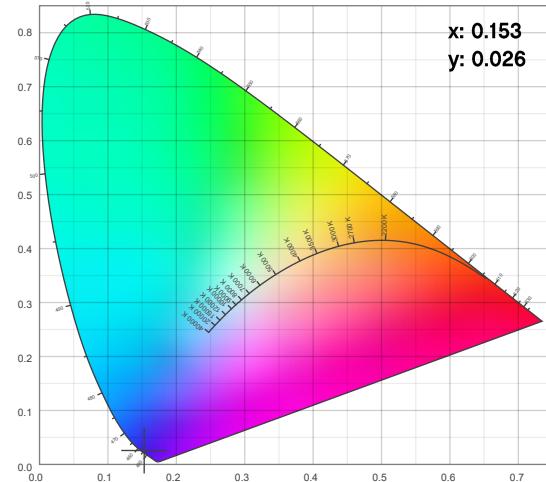
Angular Beam Distribution



Spectral Distribution



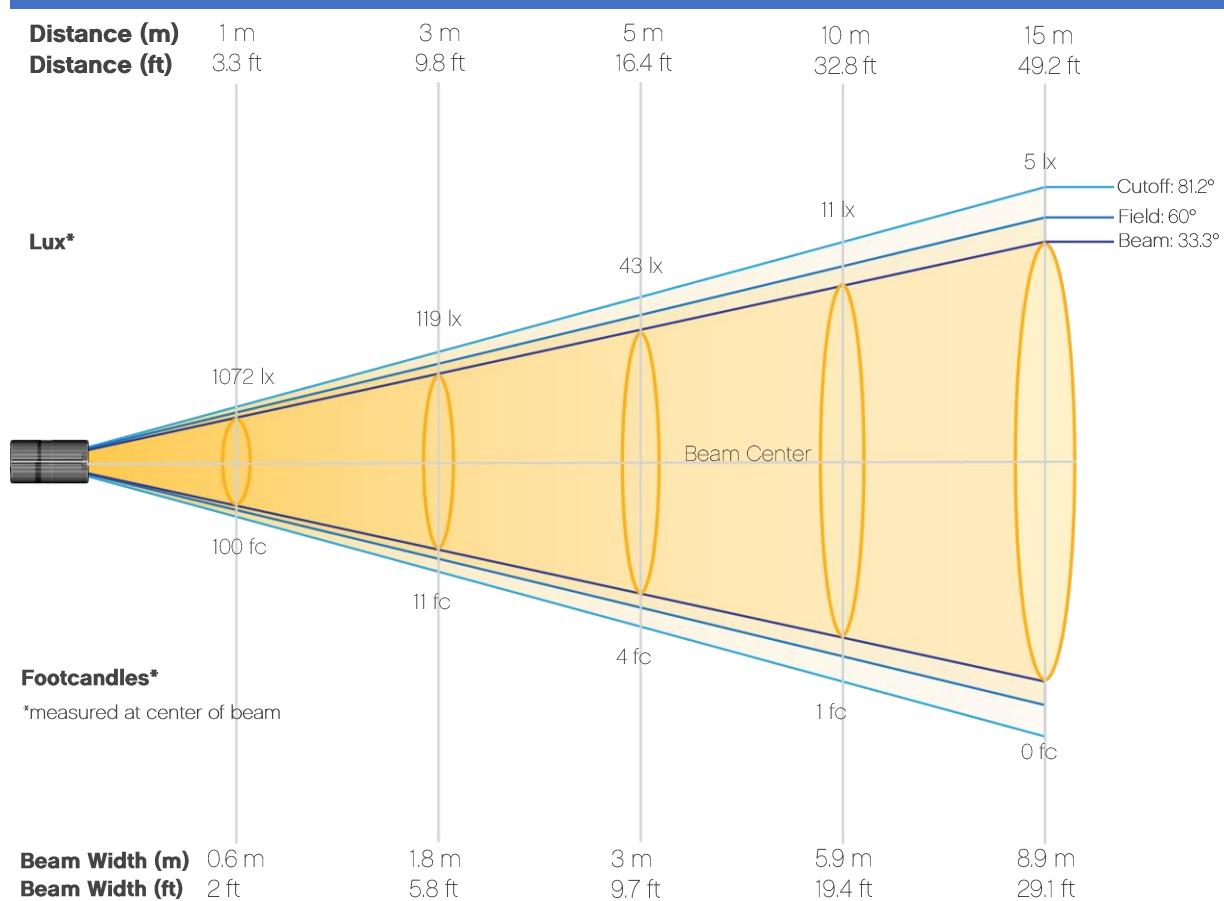
CIE 1931



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Beam Details

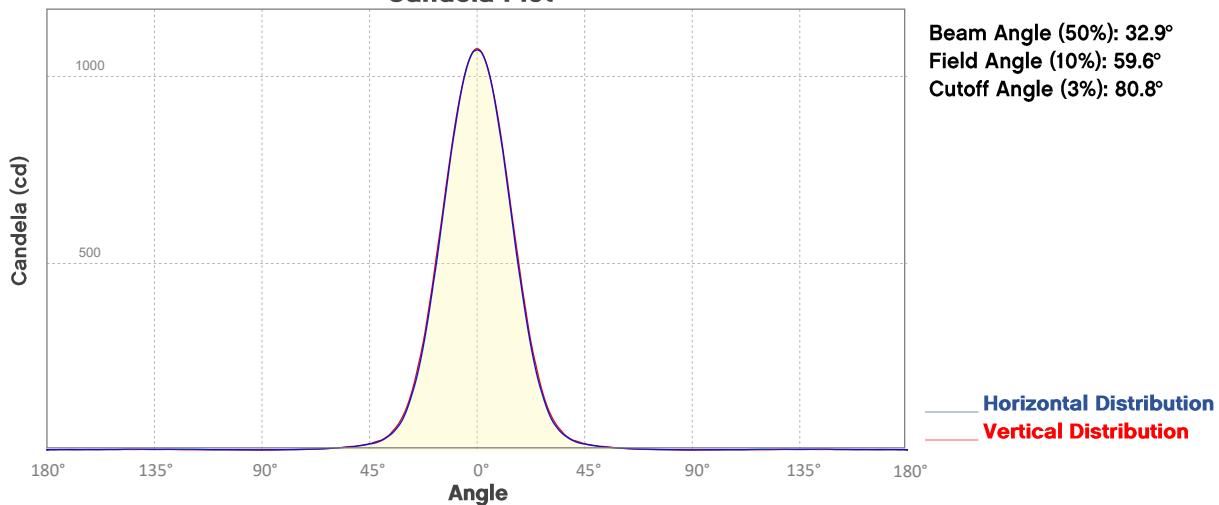


## Beam Illuminances from 1-20m (3.3-65.6ft)

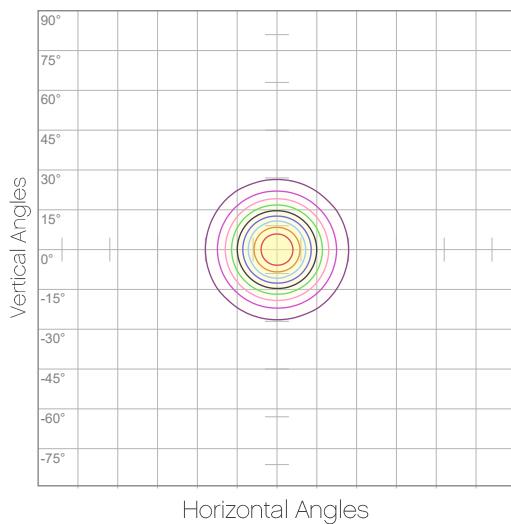
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 1072   | 268    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 100    | 25     | 11     | 6      | 4      | 3      | 2      | 2      | 1      | 1      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 1      | 1      | 1      | 1      | 0      | 0      | 0      | 0      | 0      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only  
**Candela Plot**



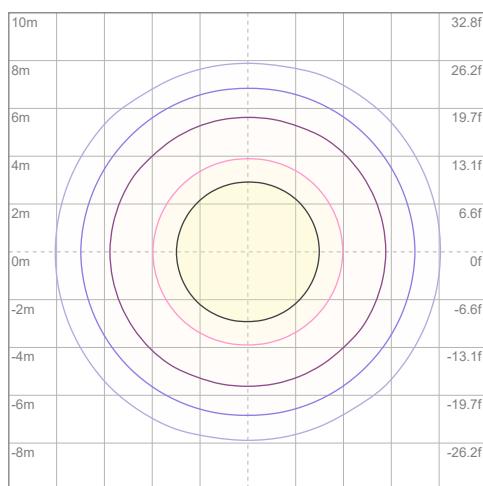
## Polar Diagrams



**iso-candela Diagram**

|     |        |
|-----|--------|
| 10% | 107 cd |
| 20% | 214 cd |
| 30% | 322 cd |
| 40% | 429 cd |
| 50% | 536 cd |
| 60% | 643 cd |
| 70% | 750 cd |
| 80% | 858 cd |
| 90% | 965 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 1072 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.322 lx |
| 5%  | 0.536 lx |
| 10% | 1.07 lx  |
| 30% | 3.22 lx  |
| 50% | 5.36 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 10.7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Report Summary

### Output

Total Lumens: 868 lm  
Peak Intensity: 2153 cd  
Illuminance @ 5m: 86 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 33.4°  
Vertical Beam Angle (50%): 32.7°  
Horizontal Field Angle (10%): 60.2°  
Vertical Field Angle (10%): 59.2°  
Horizontal Cutoff Angle (3%): 81.2°  
Vertical Cutoff Angle (3%): 80.1°

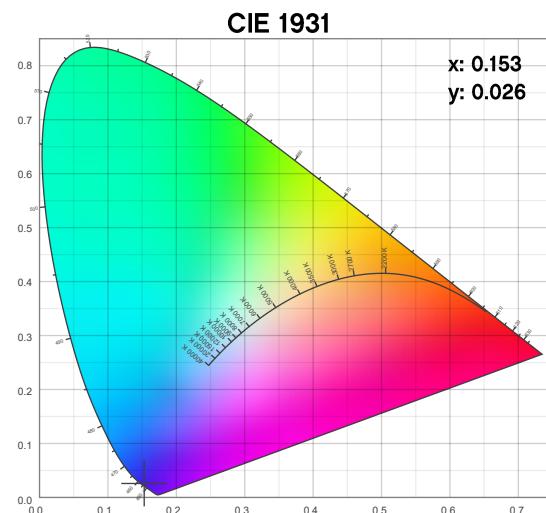
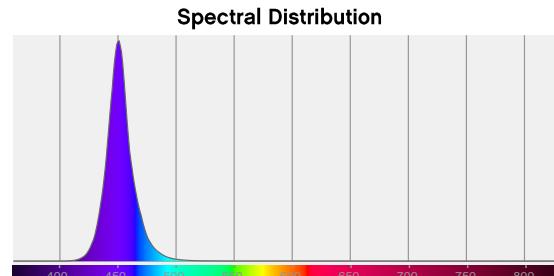
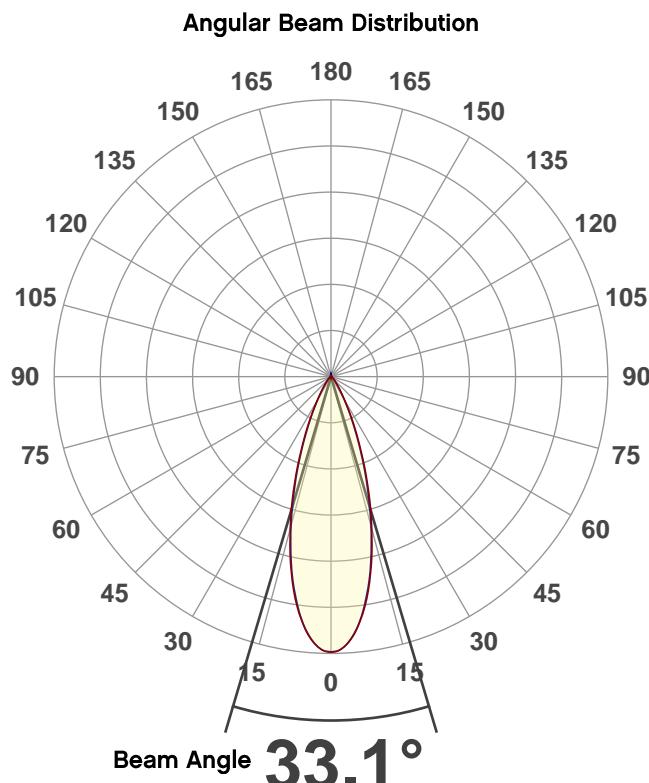


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

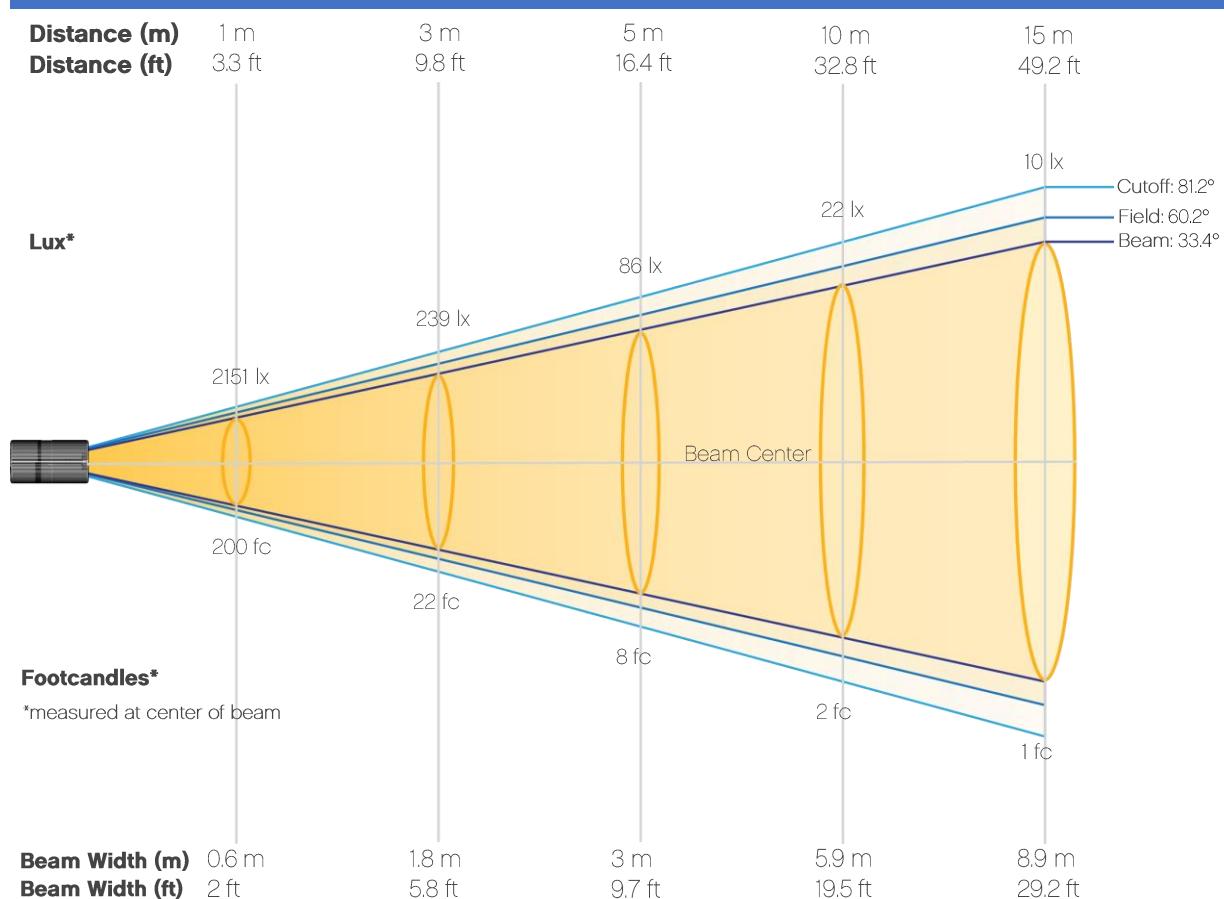
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Beam Details

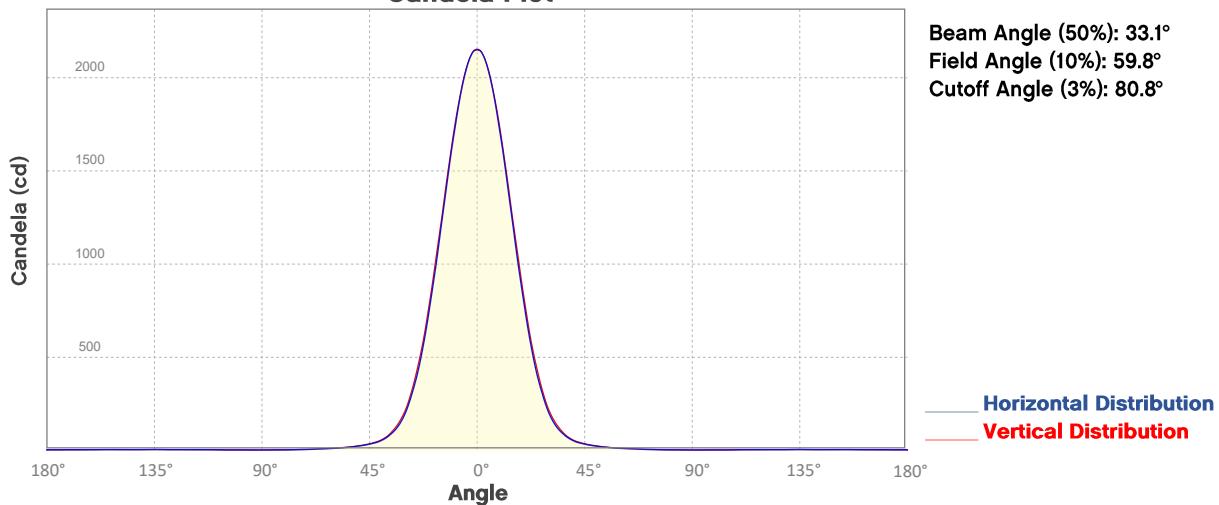


## Beam Illuminances from 1-20m (3.3-65.6ft)

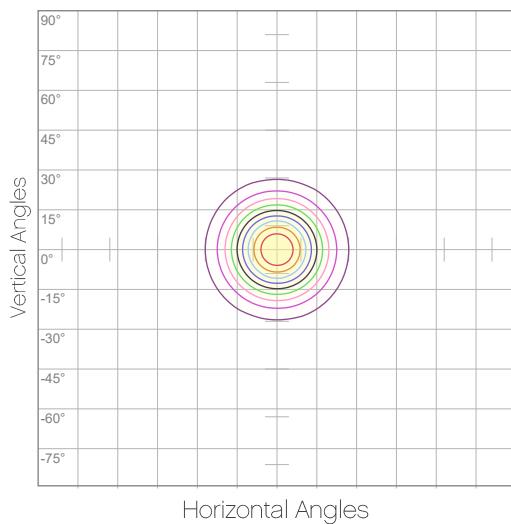
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 2151   | 538    | 239    | 134    | 86     | 60     | 44     | 34     | 27     | 22     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 18     | 15     | 13     | 11     | 10     | 8      | 7      | 7      | 6      | 5      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 200    | 50     | 22     | 12     | 8      | 6      | 4      | 3      | 2      | 2      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only  
**Candela Plot**



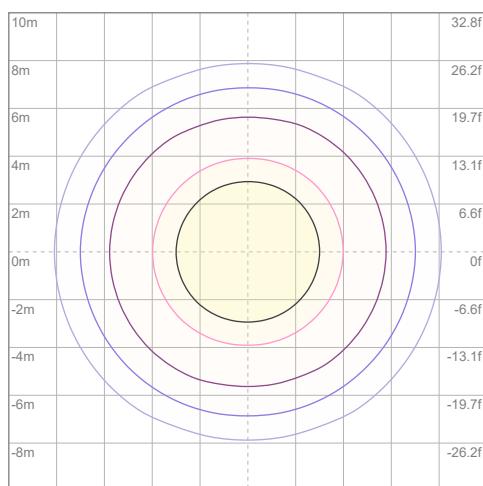
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 215 cd  |
| 20% | 430 cd  |
| 30% | 645 cd  |
| 40% | 860 cd  |
| 50% | 1075 cd |
| 60% | 1291 cd |
| 70% | 1506 cd |
| 80% | 1721 cd |
| 90% | 1936 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 2151 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.645 lx |
| 5%  | 1.08 lx  |
| 10% | 2.15 lx  |
| 30% | 6.45 lx  |
| 50% | 10.8 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 21.5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Report Summary

### Output

Total Lumens: 868 lm  
Peak Intensity: 2153 cd  
Illuminance @ 5m: 86 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 33.5°  
Vertical Beam Angle (50%): 32.8°  
Horizontal Field Angle (10%): 60.1°  
Vertical Field Angle (10%): 59.1°  
Horizontal Cutoff Angle (3%): 81.1°  
Vertical Cutoff Angle (3%): 80°

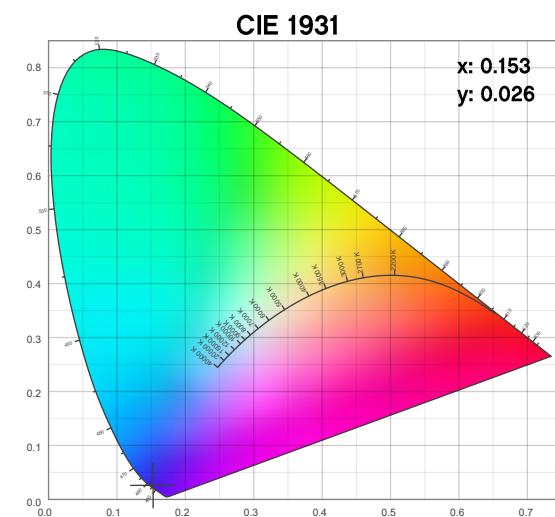
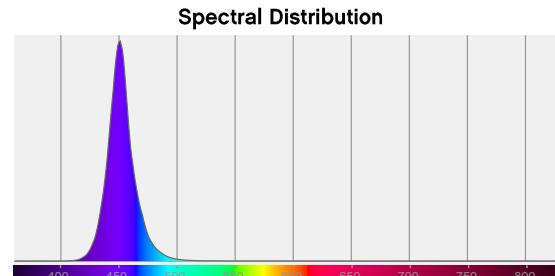
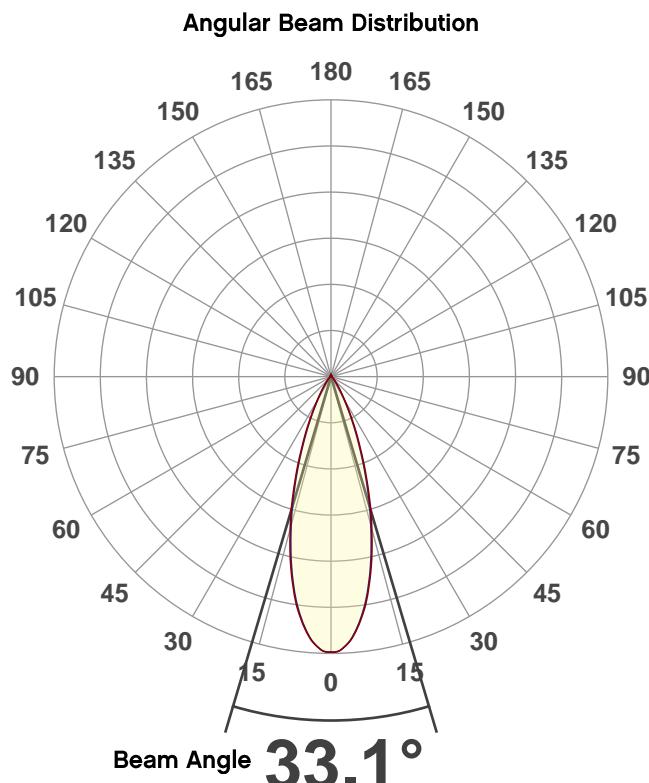


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

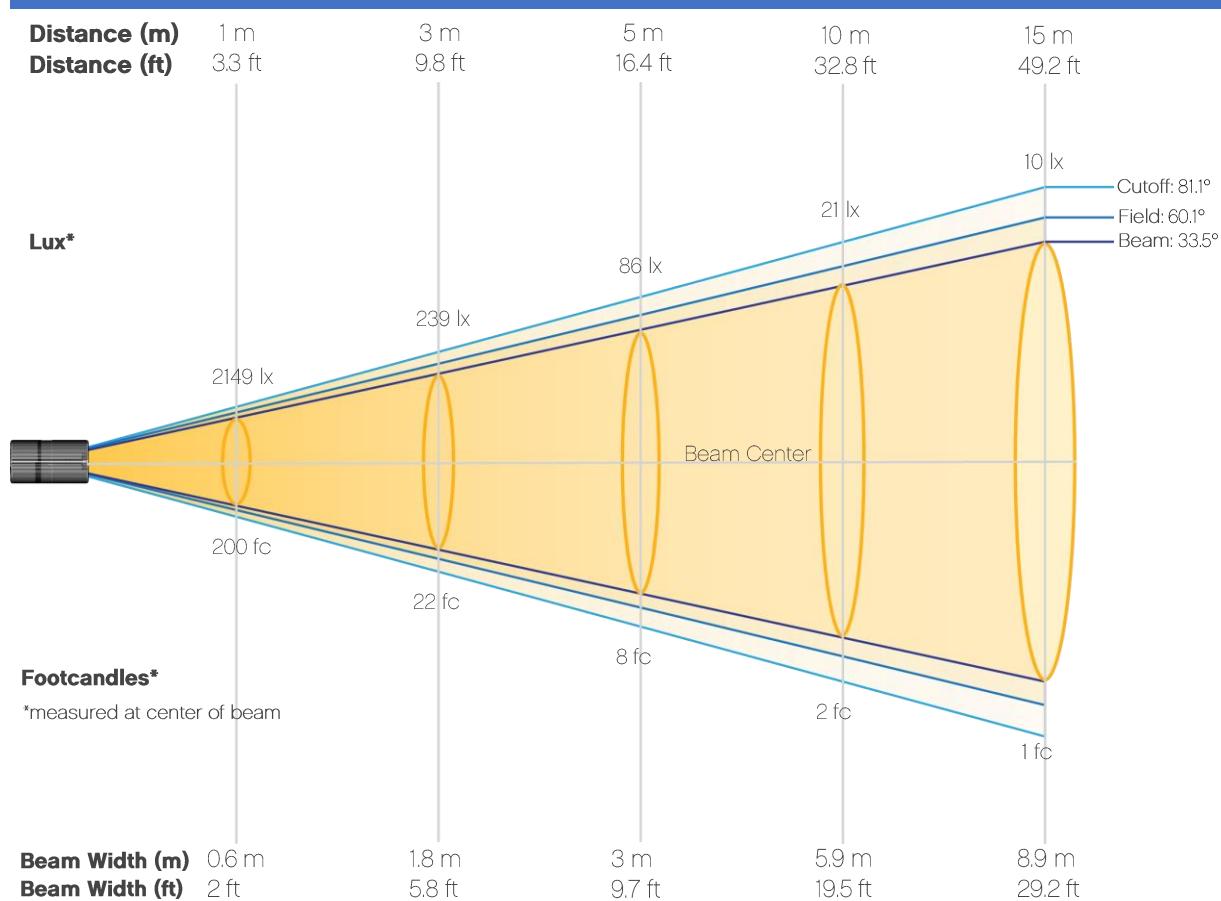
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Beam Details



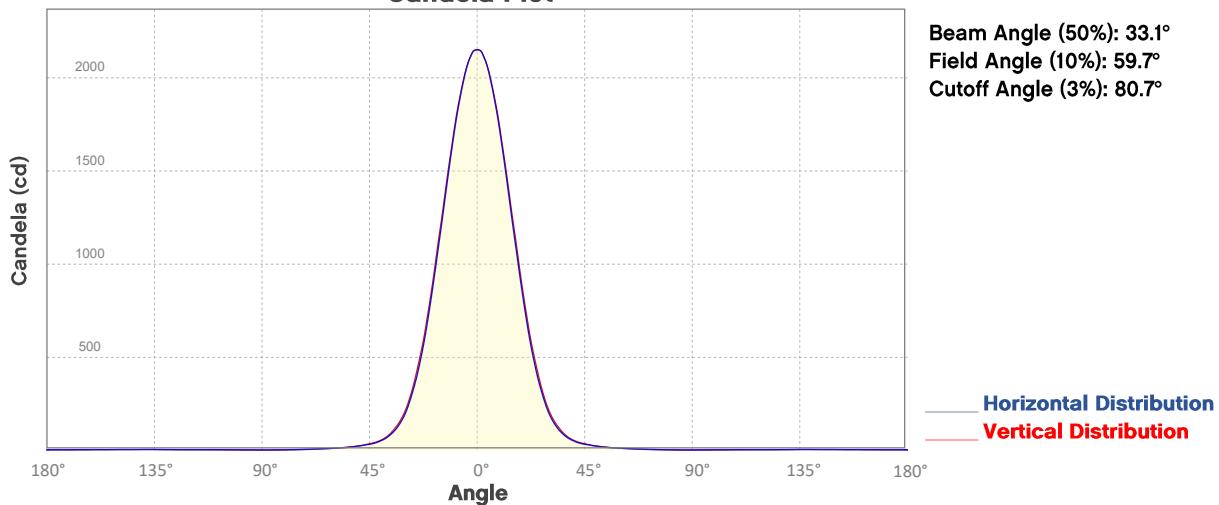
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 2149   | 537    | 239    | 134    | 86     | 60     | 44     | 34     | 27     | 21     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 18     | 15     | 13     | 11     | 10     | 8      | 7      | 7      | 6      | 5      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 200    | 50     | 22     | 12     | 8      | 6      | 4      | 3      | 2      | 2      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 0      |

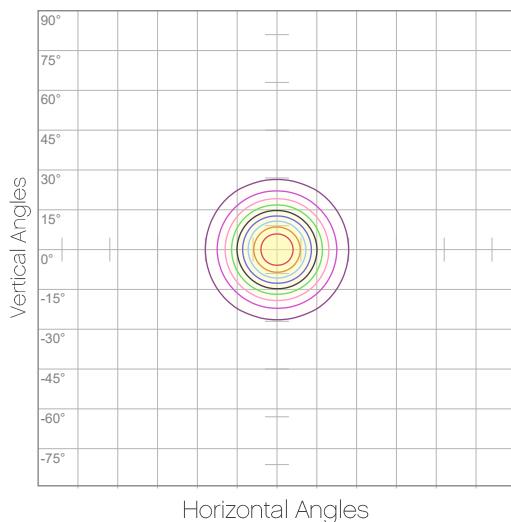
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Candela Plot



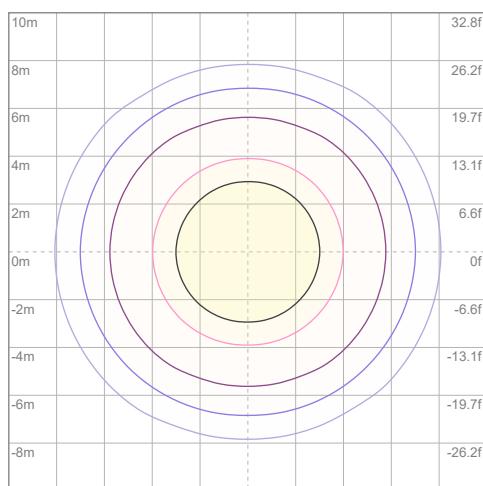
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 215 cd  |
| 20% | 430 cd  |
| 30% | 645 cd  |
| 40% | 860 cd  |
| 50% | 1075 cd |
| 60% | 1290 cd |
| 70% | 1505 cd |
| 80% | 1720 cd |
| 90% | 1935 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 2149 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.645 lx |
| 5%  | 1.07 lx  |
| 10% | 2.15 lx  |
| 30% | 6.45 lx  |
| 50% | 10.7 lx  |

Conditions:  
Number of c-planes: 8  
Lux at center: 21.5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Report Summary

### Output

Total Lumens: 434 lm

Peak Intensity: 1073 cd

Illuminance @ 5m: 43 lux

Fixture Efficacy: 4.1 lm/W

### Optical

Horizontal Beam Angle (50%): 33.3°

Vertical Beam Angle (50%): 32.5°

Horizontal Field Angle (10%): 60°

Vertical Field Angle (10%): 59.1°

Horizontal Cutoff Angle (3%): 81.2°

Vertical Cutoff Angle (3%): 79.9°



### Conditions

AC Supply: 121 V, 60.1 Hz

Power: n/a W

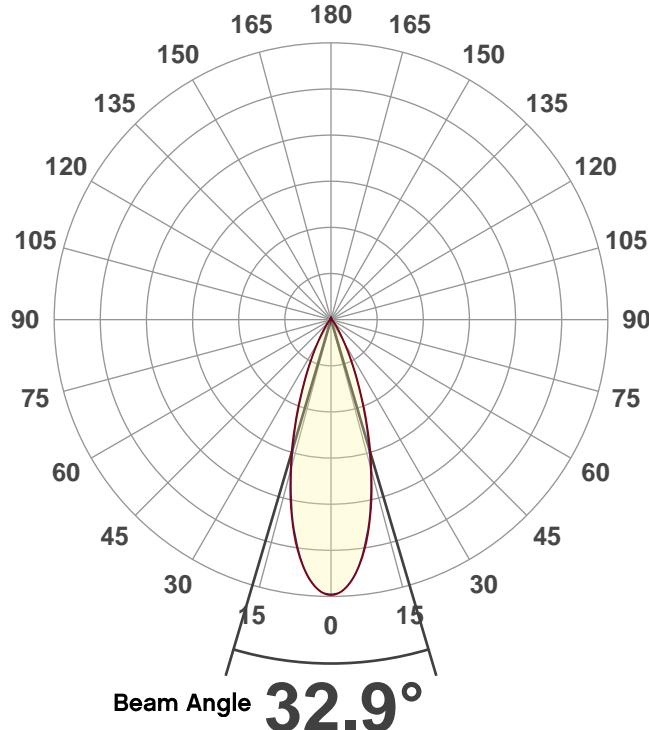
Current: 0.000 A

Power Factor: n/a

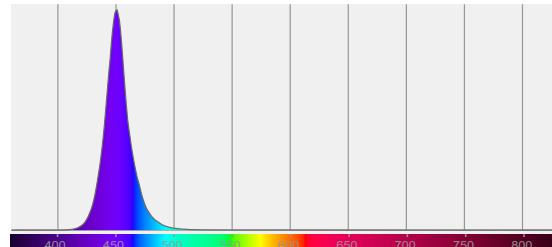
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

## Overall Measurement

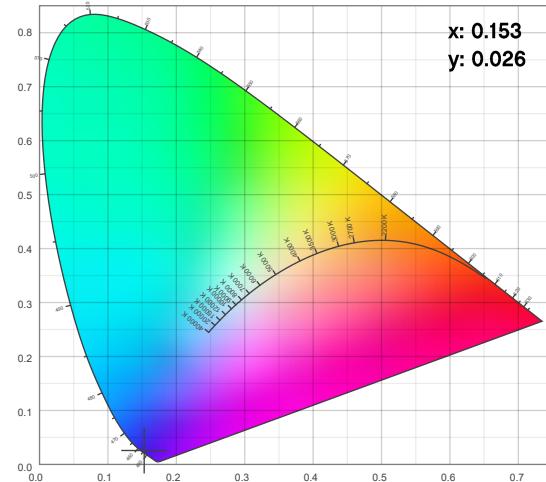
Angular Beam Distribution



Spectral Distribution



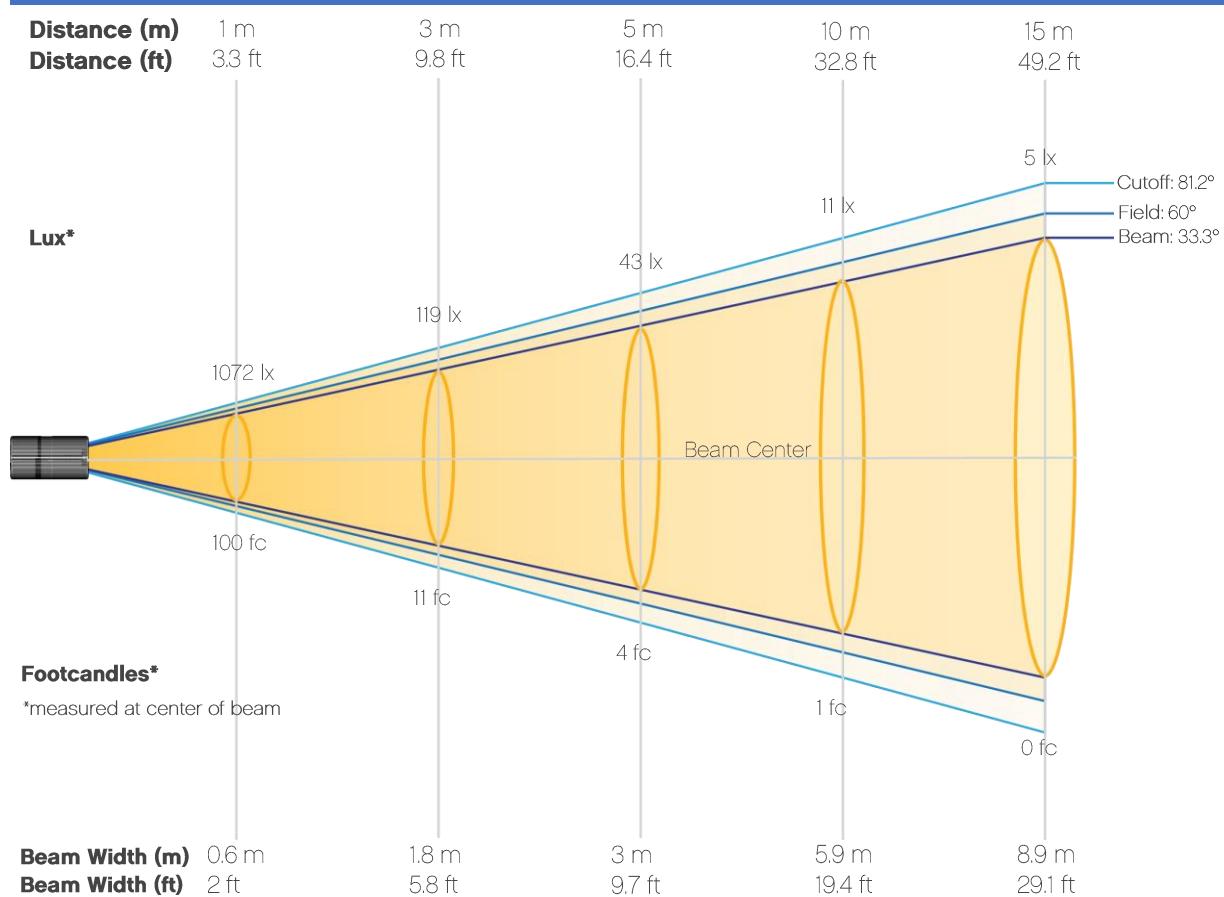
CIE 1931



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Beam Details

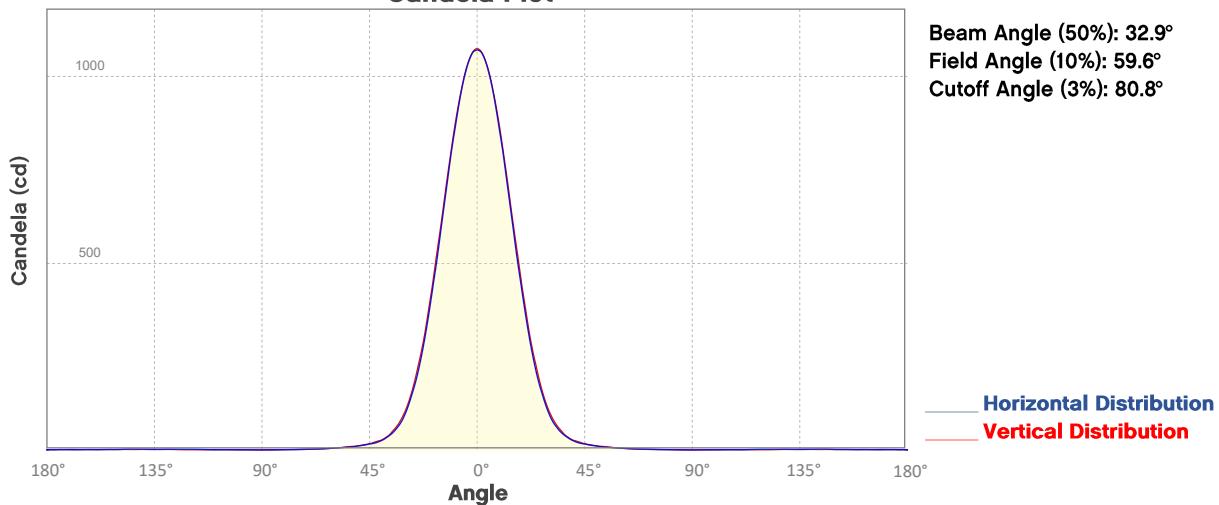


## Beam Illuminances from 1-20m (3.3-65.6ft)

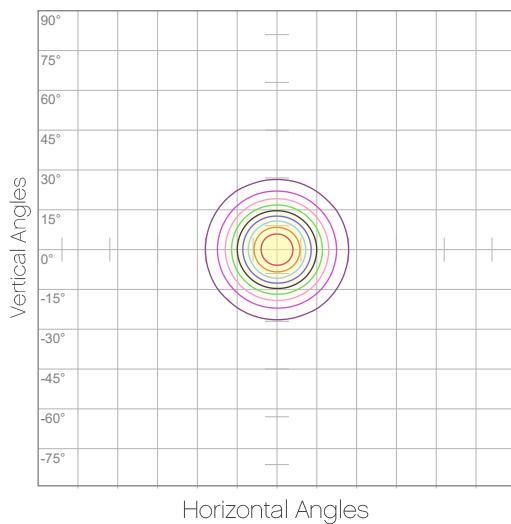
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 1072   | 268    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 100    | 25     | 11     | 6      | 4      | 3      | 2      | 2      | 1      | 1      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 1      | 1      | 1      | 1      | 0      | 0      | 0      | 0      | 0      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only  
**Candela Plot**



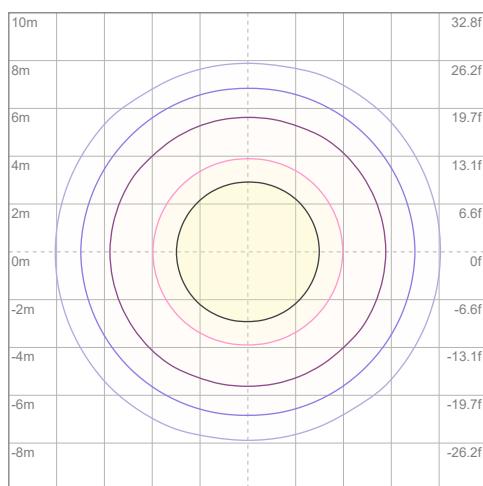
## Polar Diagrams



**iso-candela Diagram**

|     |        |
|-----|--------|
| 10% | 107 cd |
| 20% | 214 cd |
| 30% | 322 cd |
| 40% | 429 cd |
| 50% | 536 cd |
| 60% | 643 cd |
| 70% | 750 cd |
| 80% | 858 cd |
| 90% | 965 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 1072 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.322 lx |
| 5%  | 0.536 lx |
| 10% | 1.07 lx  |
| 30% | 3.22 lx  |
| 50% | 5.36 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 10.7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Report Summary

### Output

Total Lumens: 434 lm  
Peak Intensity: 1073 cd  
Illuminance @ 5m: 43 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 33.3°  
Vertical Beam Angle (50%): 32.5°  
Horizontal Field Angle (10%): 60°  
Vertical Field Angle (10%): 59.1°  
Horizontal Cutoff Angle (3%): 81.2°  
Vertical Cutoff Angle (3%): 79.9°

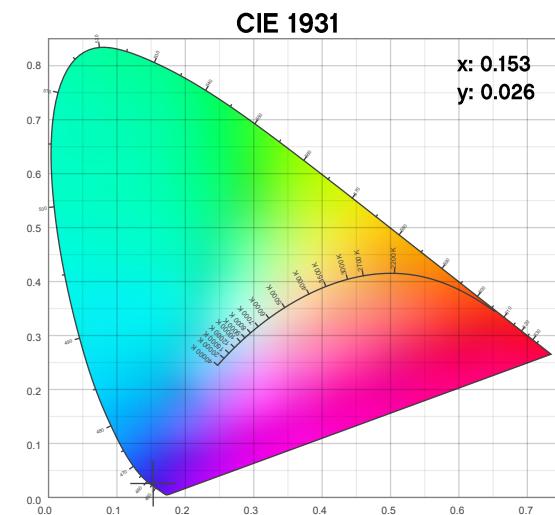
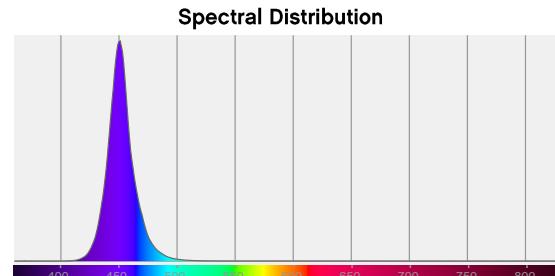
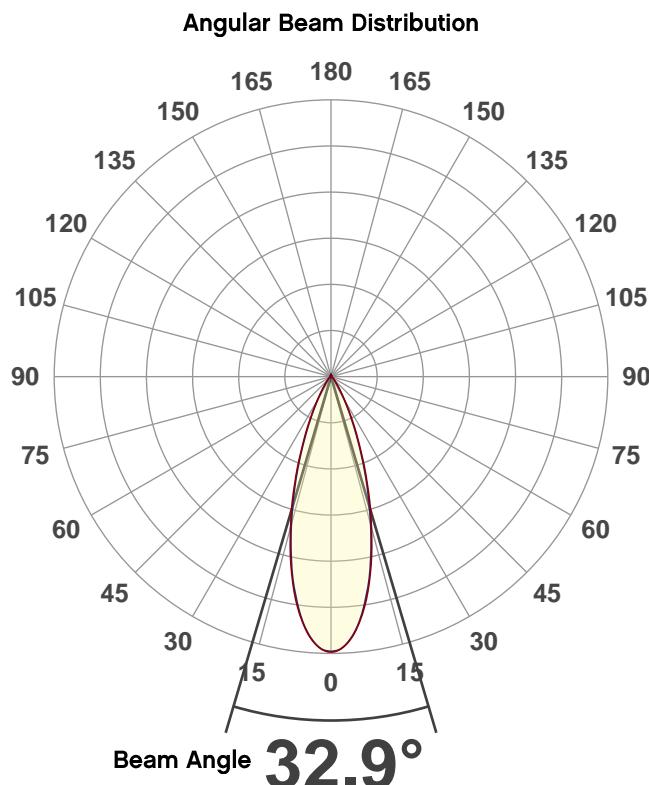


### Conditions

AC Supply: 121 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

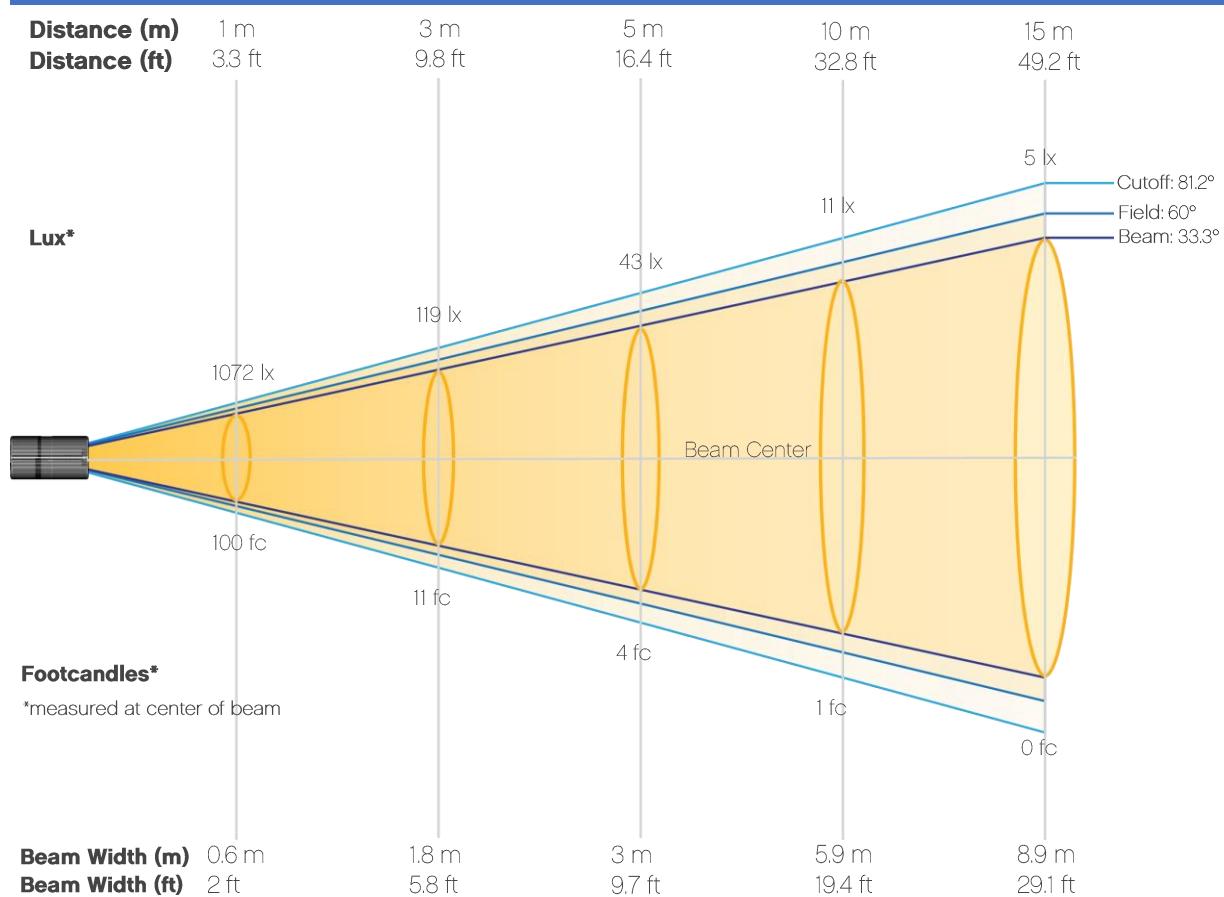
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Beam Details

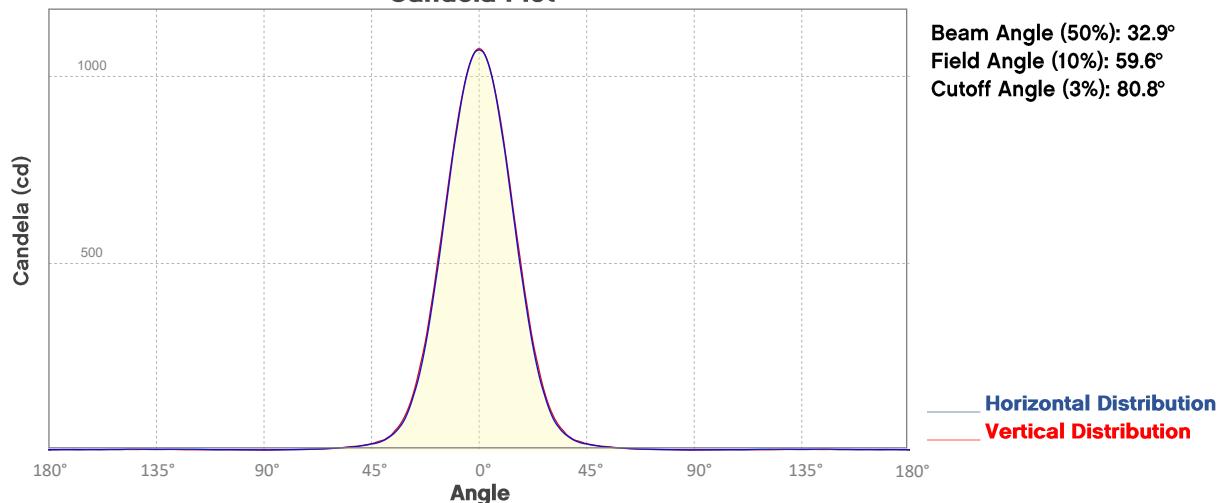


## Beam Illuminances from 1-20m (3.3-65.6ft)

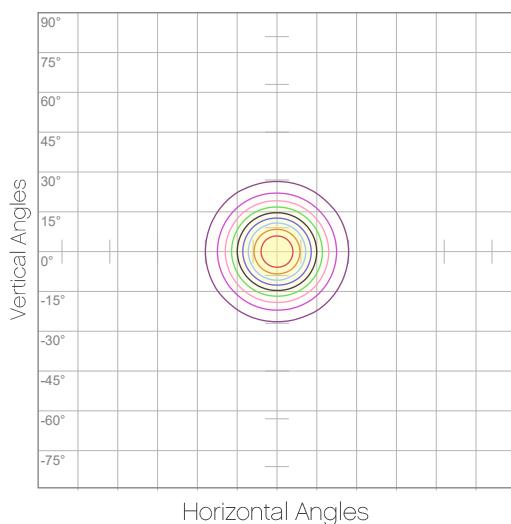
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 1072   | 268    | 119    | 67     | 43     | 30     | 22     | 17     | 13     | 11     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 9      | 7      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 100    | 25     | 11     | 6      | 4      | 3      | 2      | 2      | 1      | 1      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 1      | 1      | 1      | 1      | 0      | 0      | 0      | 0      | 0      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only  
**Candela Plot**



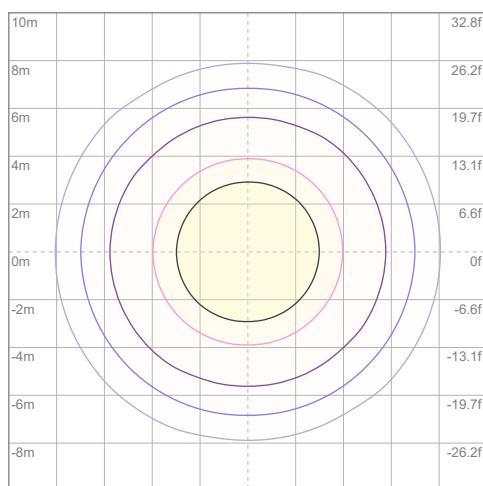
## Polar Diagrams



**iso-candela Diagram**

|     |        |
|-----|--------|
| 10% | 107 cd |
| 20% | 214 cd |
| 30% | 322 cd |
| 40% | 429 cd |
| 50% | 536 cd |
| 60% | 643 cd |
| 70% | 750 cd |
| 80% | 858 cd |
| 90% | 965 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 1072 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.322 lx |
| 5%  | 0.536 lx |
| 10% | 1.07 lx  |
| 30% | 3.22 lx  |
| 50% | 5.36 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 10.7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Report Summary

## Output

Total Lumens: 174 lm

Peak Intensity: 428 cd

Illuminance @ 5m: 17 lux

### Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 33.3°

Vertical Beam Angle (50%): 32.6°

Horizontal Field Angle (10%): 60.1°

Vertical Field Angle (10%): 59.1°

Horizontal Cutoff Angle (3%): 80.7°

Vertical Cutoff Angle (3%): 80.3°



## Conditions

AC Supply: 121 V, 60 Hz

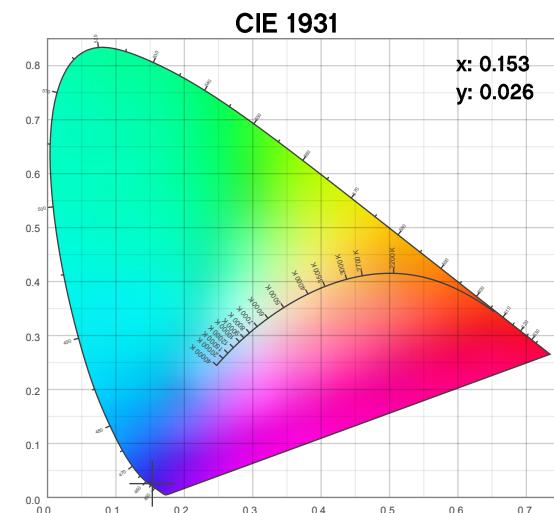
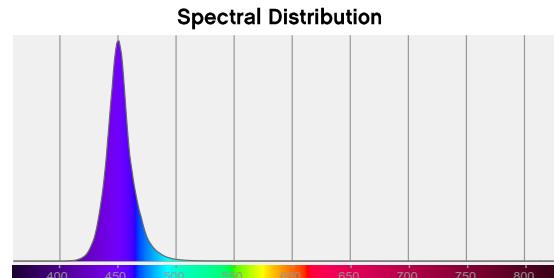
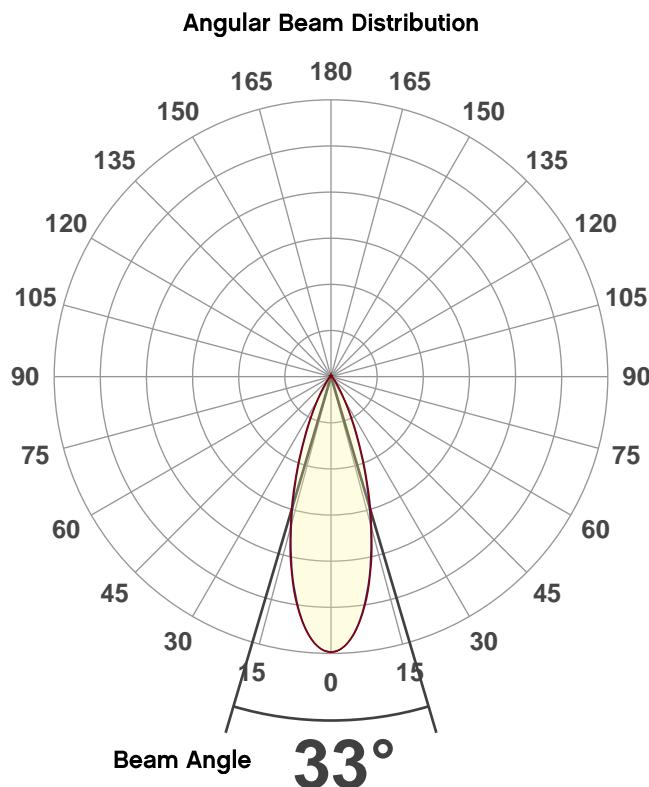
Power: n/a W

Current: 0.000 A

Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (P2017). All data was measured and calculated by a Vico Systems LabSpion Gonimeter at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

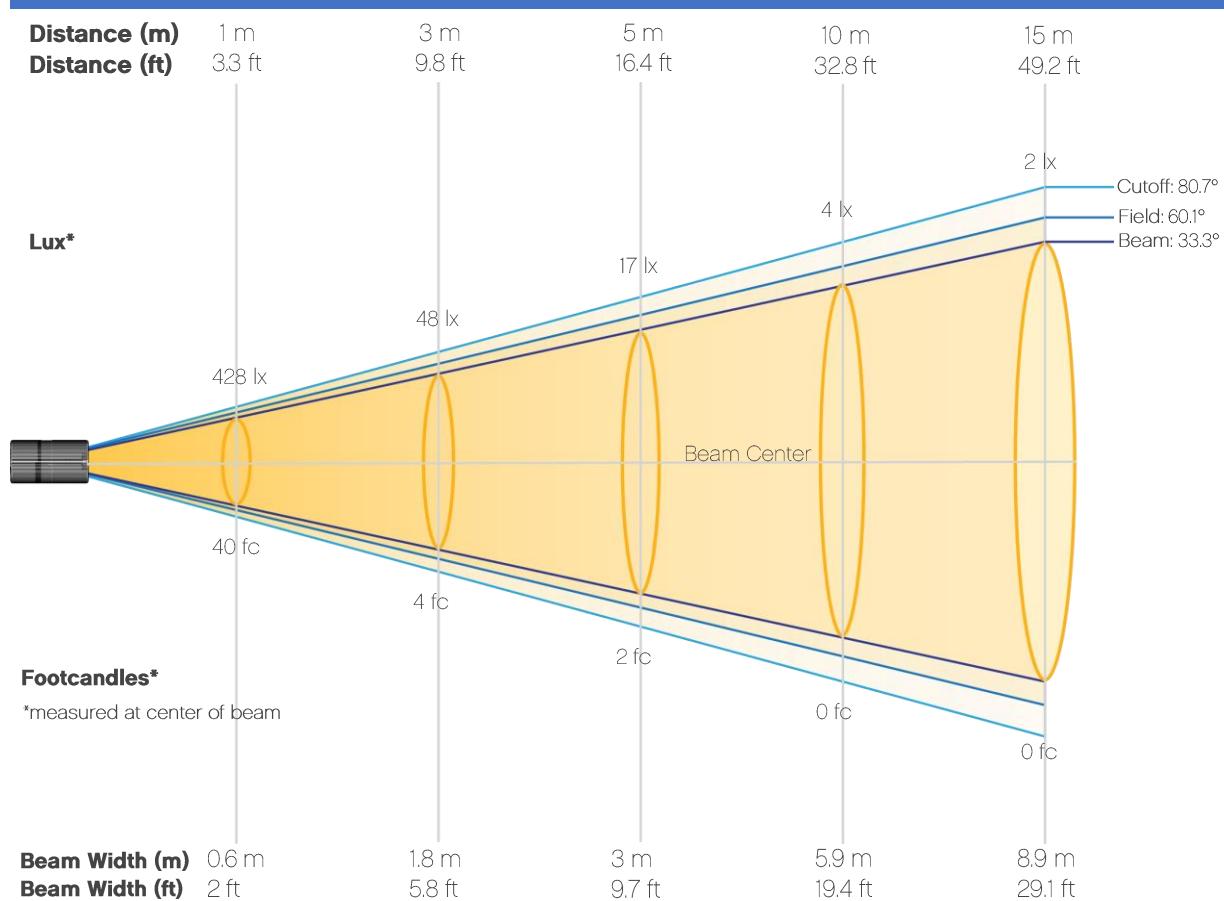
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only

## Beam Details

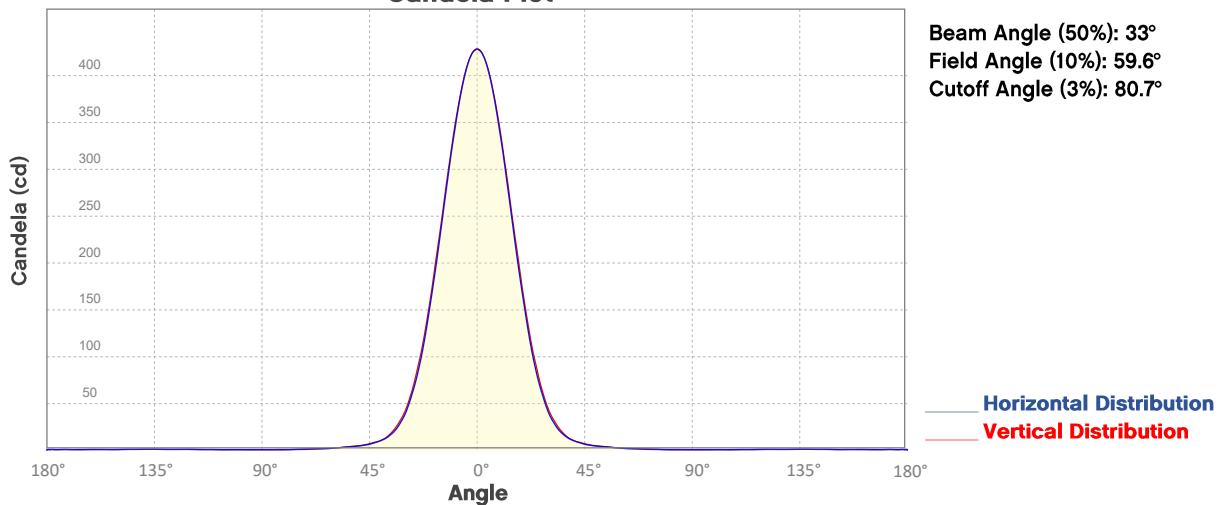


## Beam Illuminances from 1-20m (3.3-65.6ft)

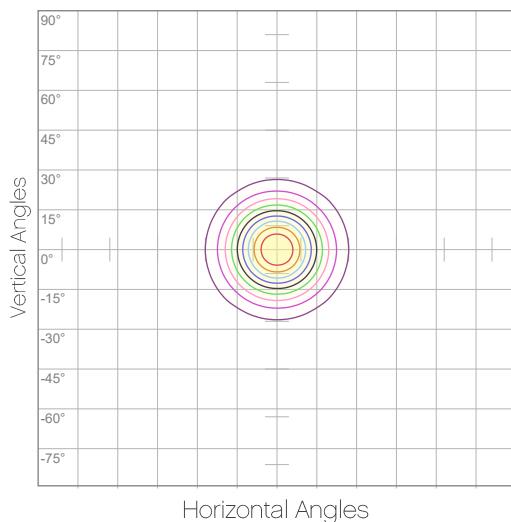
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 428    | 107    | 48     | 27     | 17     | 12     | 9      | 7      | 5      | 4      |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 4      | 3      | 3      | 2      | 2      | 2      | 1      | 1      | 1      | 1      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 40     | 10     | 4      | 2      | 2      | 1      | 1      | 1      | 0      | 0      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Blue Only  
**Candela Plot**



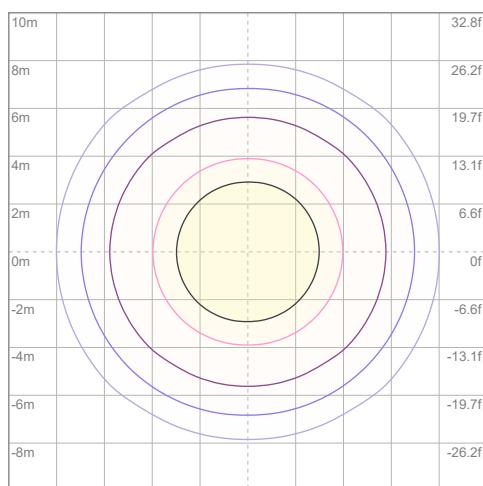
## Polar Diagrams



**iso-candela Diagram**

|     |        |
|-----|--------|
| 10% | 43 cd  |
| 20% | 86 cd  |
| 30% | 128 cd |
| 40% | 171 cd |
| 50% | 214 cd |
| 60% | 257 cd |
| 70% | 300 cd |
| 80% | 342 cd |
| 90% | 385 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 428 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.128 lx |
| 5%  | 0.214 lx |
| 10% | 0.428 lx |
| 30% | 1.28 lx  |
| 50% | 2.14 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 4.28 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Report Summary

### Output

Total Lumens: 3309 lm  
Peak Intensity: 8750 cd  
Illuminance @ 5m: 349 lux  
Fixture Efficacy: 16 lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.9°  
Vertical Field Angle (10%): 57.9°  
Horizontal Cutoff Angle (3%): 79.7°  
Vertical Cutoff Angle (3%): 78.6°

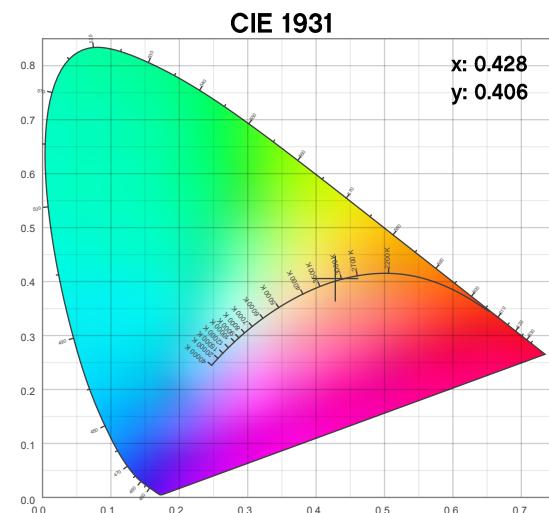
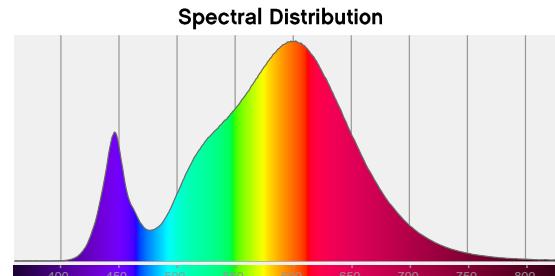
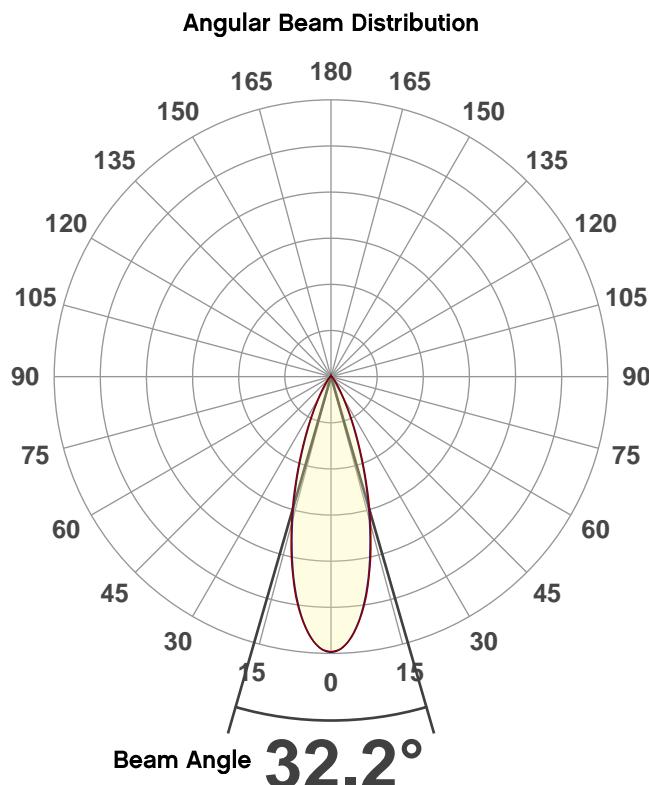


### Conditions

AC Supply: 121 V, 60.1 Hz  
Power: 205.88 W  
Current: 1.70 A  
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/26/2020 to LM-63-2002 Standards.

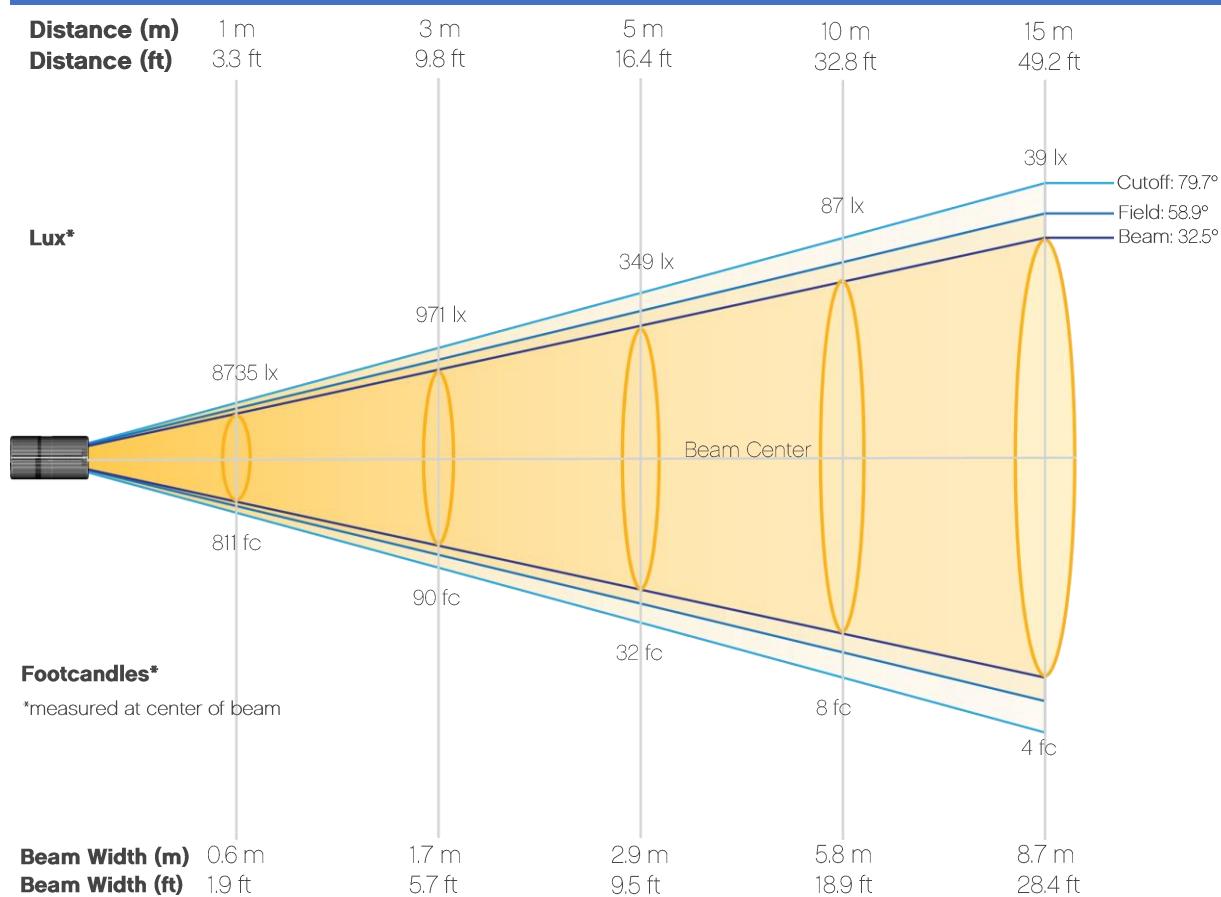
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Beam Details

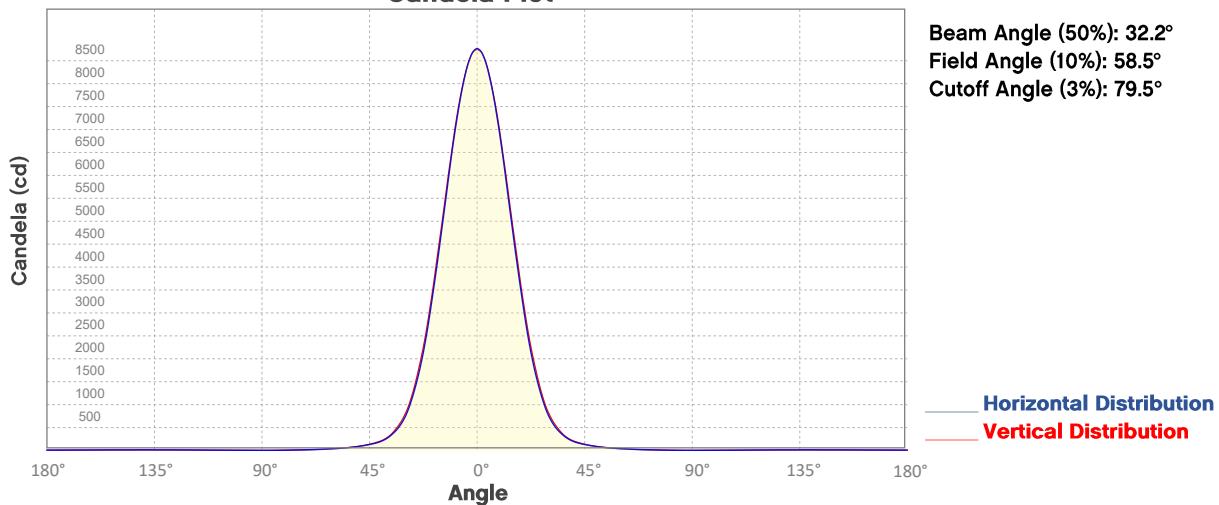


## Beam Illuminances from 1-20m (3.3-65.6ft)

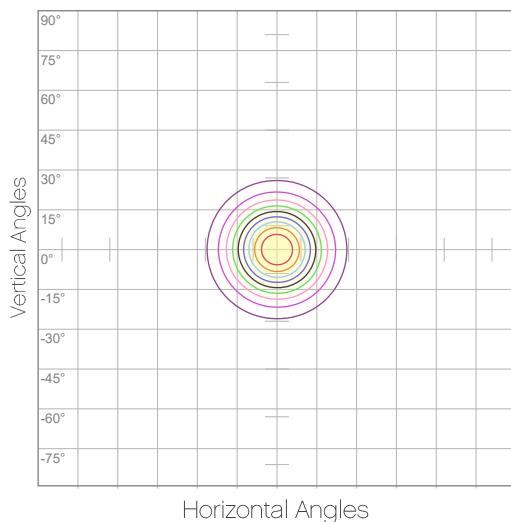
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 8735   | 2184   | 971    | 546    | 349    | 243    | 178    | 136    | 108    | 87     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 72     | 61     | 52     | 45     | 39     | 34     | 30     | 27     | 24     | 22     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 811    | 203    | 90     | 51     | 32     | 23     | 17     | 13     | 10     | 8      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 7      | 6      | 5      | 4      | 4      | 3      | 3      | 3      | 2      | 2      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only  
**Candela Plot**



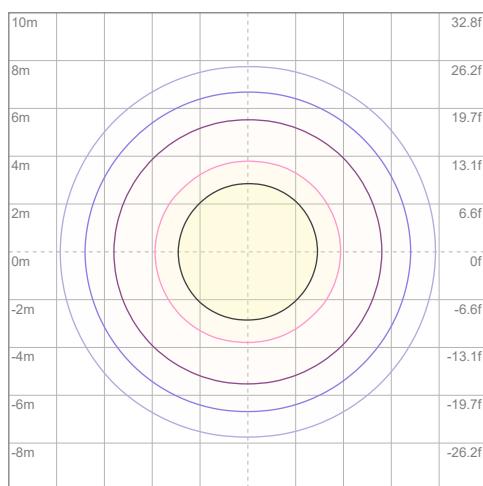
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 873 cd  |
| 20% | 1747 cd |
| 30% | 2620 cd |
| 40% | 3494 cd |
| 50% | 4367 cd |
| 60% | 5241 cd |
| 70% | 6114 cd |
| 80% | 6988 cd |
| 90% | 7861 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 8735 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 2.62 lx |
| 5%  | 4.37 lx |
| 10% | 8.73 lx |
| 30% | 26.2 lx |
| 50% | 43.7 lx |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 87.3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Report Summary

### Output

Total Lumens: 3378 lm  
Peak Intensity: 8909 cd  
Illuminance @ 5m: 356 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.9°  
Horizontal Field Angle (10%): 59°  
Vertical Field Angle (10%): 57.9°  
Horizontal Cutoff Angle (3%): 79.8°  
Vertical Cutoff Angle (3%): 78.8°

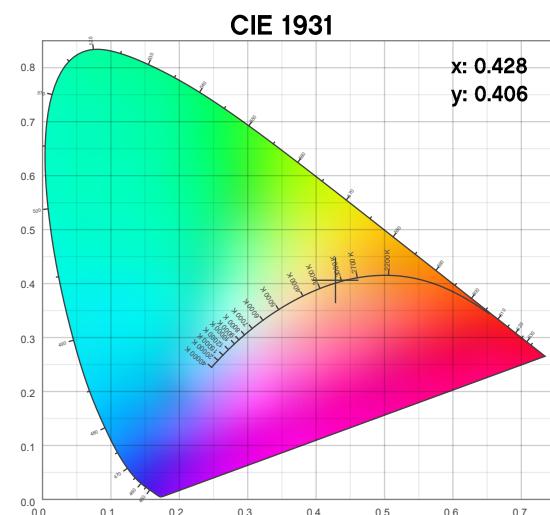
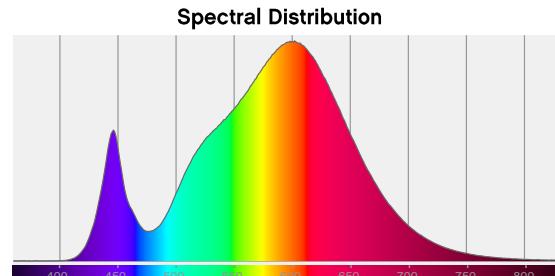
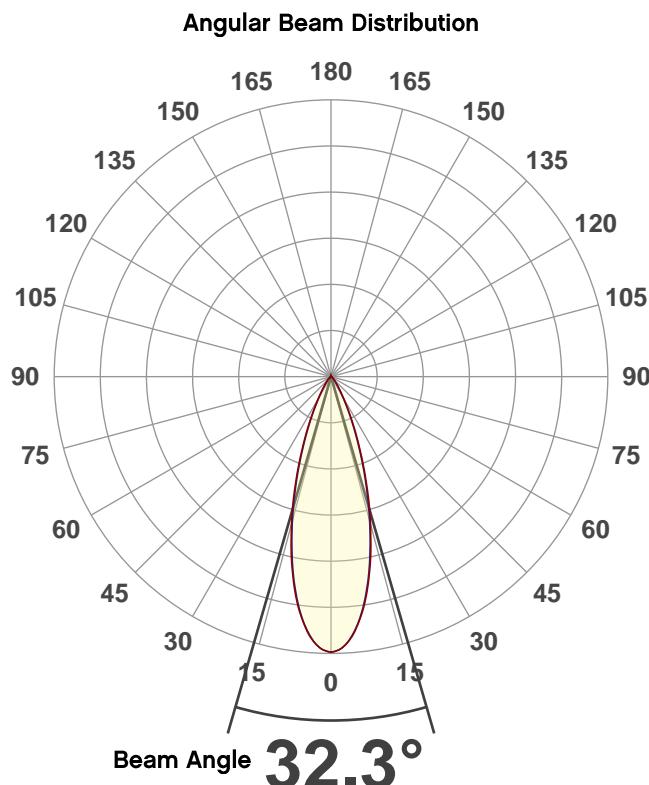


### Conditions

AC Supply: 120 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

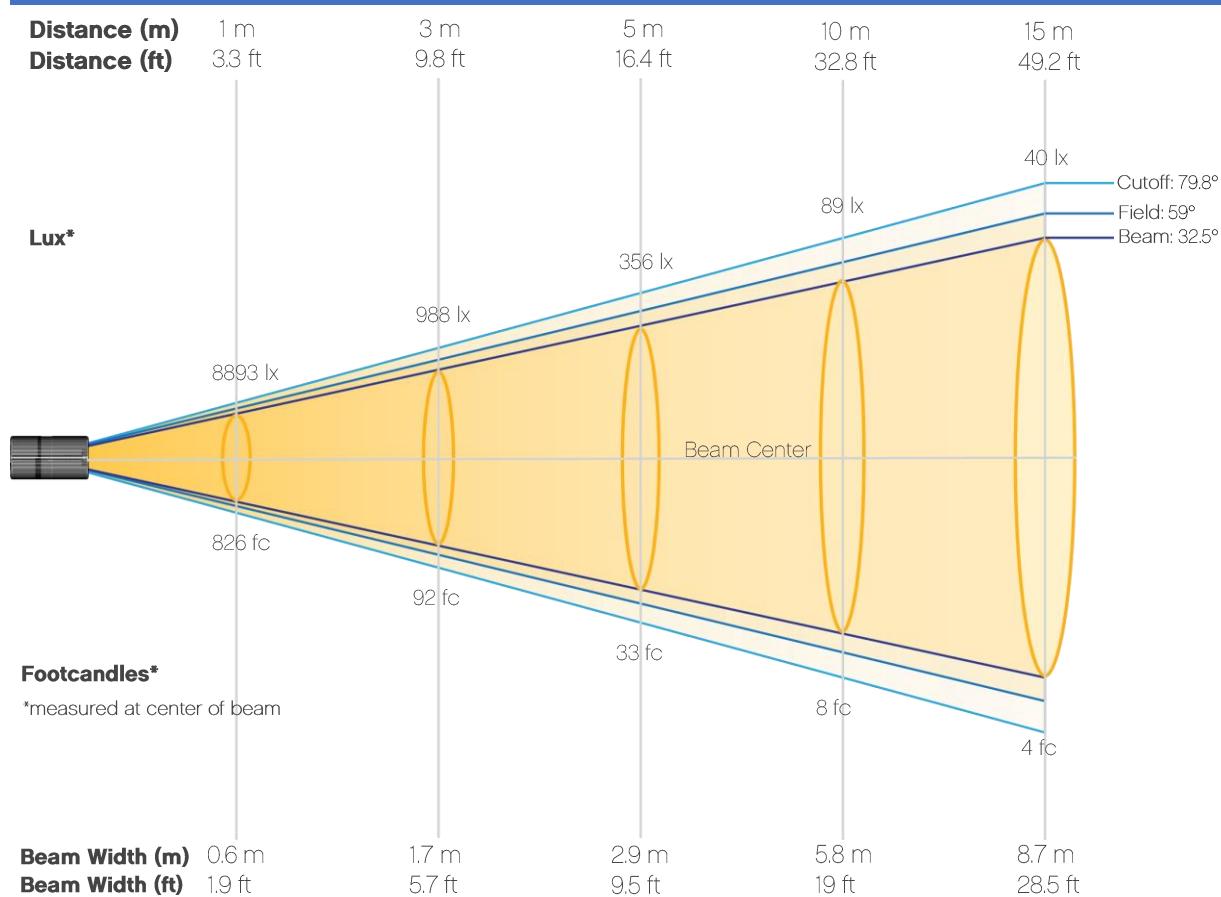
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Beam Details

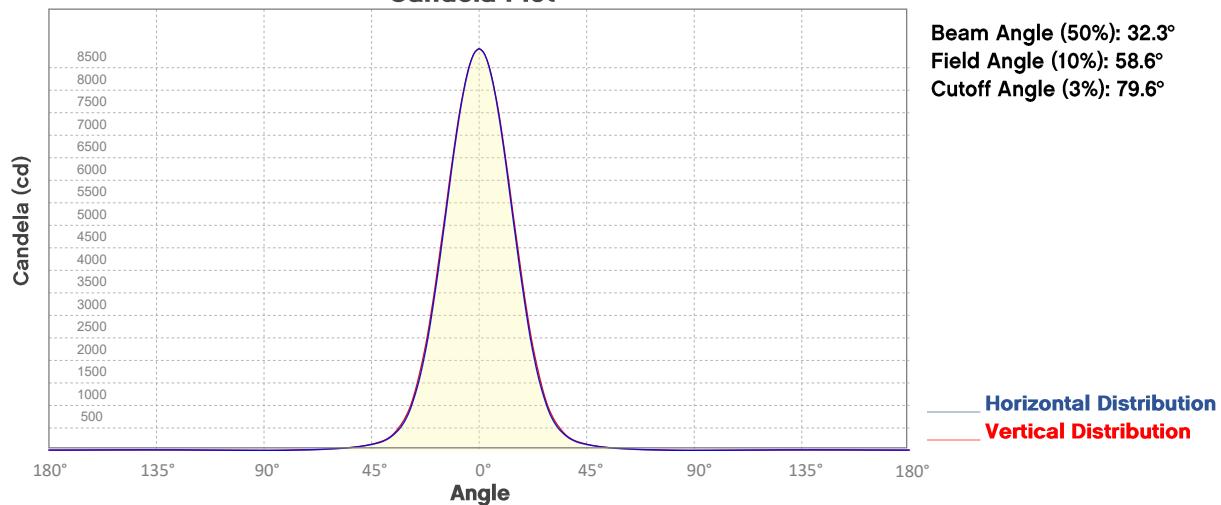


## Beam Illuminances from 1-20m (3.3-65.6ft)

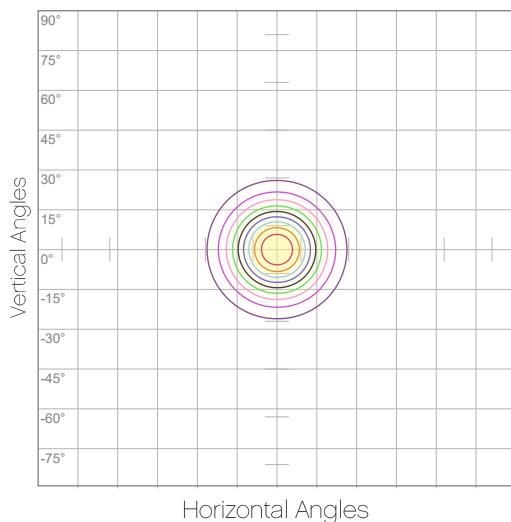
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 8893   | 2223   | 988    | 556    | 356    | 247    | 181    | 139    | 110    | 89     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 73     | 62     | 53     | 45     | 40     | 35     | 31     | 27     | 25     | 22     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 826    | 207    | 92     | 52     | 33     | 23     | 17     | 13     | 10     | 8      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 7      | 6      | 5      | 4      | 4      | 3      | 3      | 3      | 2      | 2      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only  
**Candela Plot**



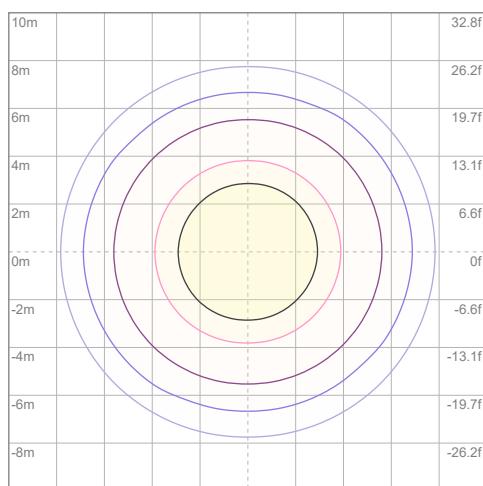
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 889 cd  |
| 20% | 1779 cd |
| 30% | 2668 cd |
| 40% | 3557 cd |
| 50% | 4447 cd |
| 60% | 5336 cd |
| 70% | 6225 cd |
| 80% | 7115 cd |
| 90% | 8004 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 8893 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 2.67 lx |
| 5%  | 4.45 lx |
| 10% | 8.89 lx |
| 30% | 26.7 lx |
| 50% | 44.5 lx |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 88.9 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Report Summary

### Output

Total Lumens: 3311 lm  
Peak Intensity: 8756 cd  
Illuminance @ 5m: 350 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.9°  
Vertical Field Angle (10%): 57.9°  
Horizontal Cutoff Angle (3%): 79.7°  
Vertical Cutoff Angle (3%): 78.7°

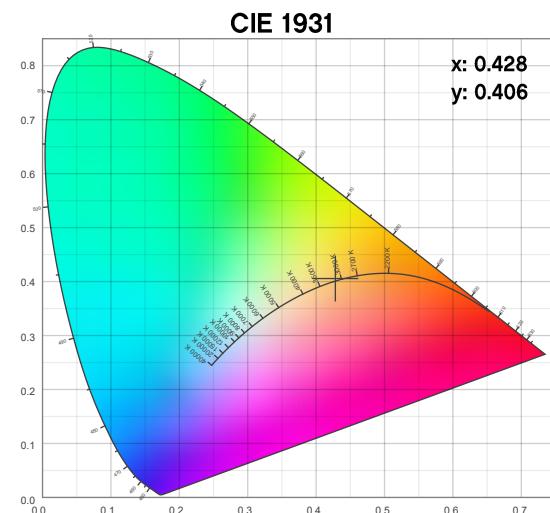
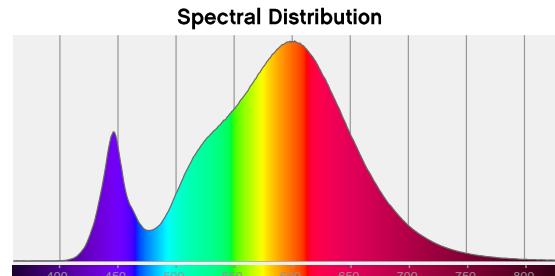
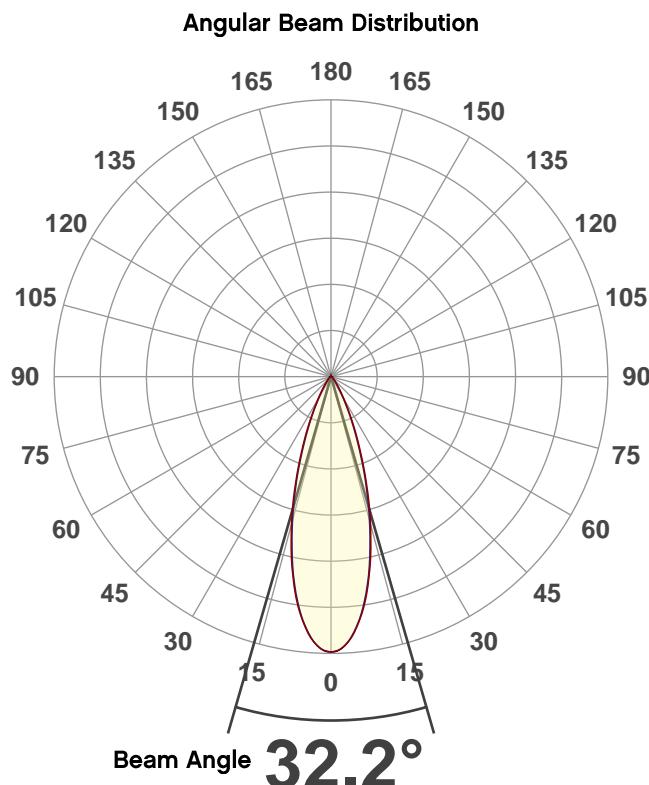


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

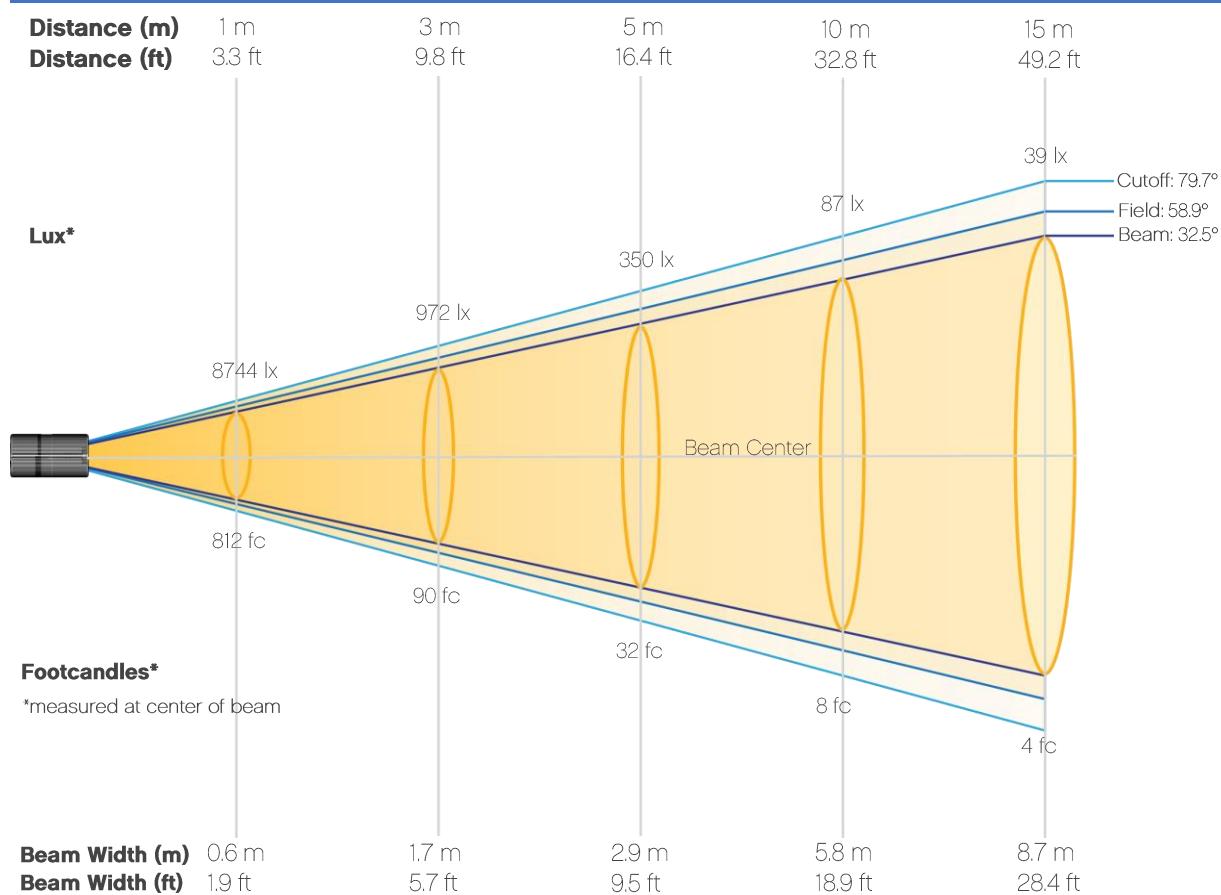
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Beam Details

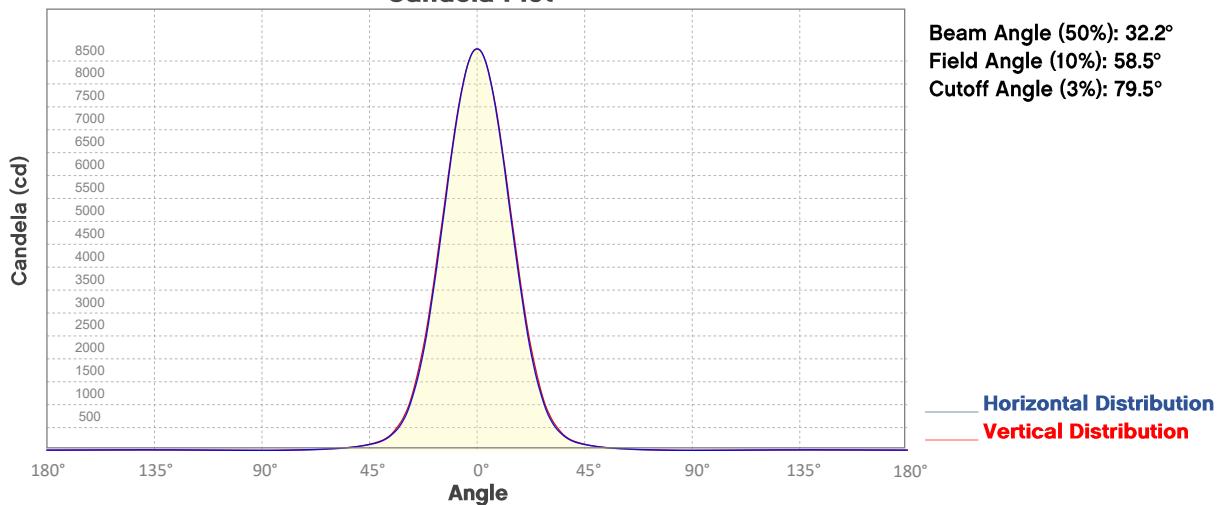


## Beam Illuminances from 1-20m (3.3-65.6ft)

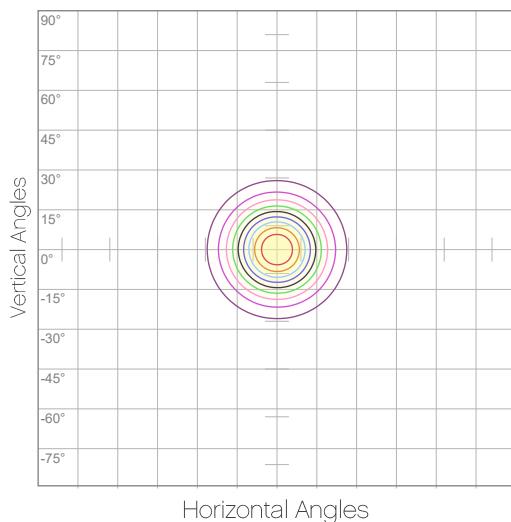
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 8744   | 2186   | 972    | 546    | 350    | 243    | 178    | 137    | 108    | 87     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 72     | 61     | 52     | 45     | 39     | 34     | 30     | 27     | 24     | 22     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 812    | 203    | 90     | 51     | 32     | 23     | 17     | 13     | 10     | 8      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 7      | 6      | 5      | 4      | 4      | 3      | 3      | 3      | 2      | 2      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only  
**Candela Plot**



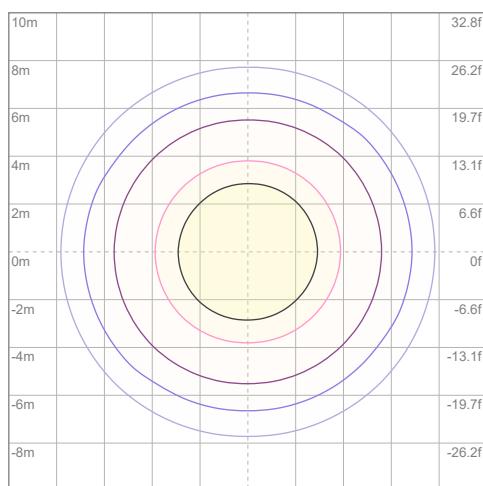
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 874 cd  |
| 20% | 1749 cd |
| 30% | 2623 cd |
| 40% | 3498 cd |
| 50% | 4372 cd |
| 60% | 5246 cd |
| 70% | 6121 cd |
| 80% | 6995 cd |
| 90% | 7870 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 8744 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 2.62 lx |
| 5%  | 4.37 lx |
| 10% | 8.74 lx |
| 30% | 26.2 lx |
| 50% | 43.7 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 87.4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Report Summary

### Output

Total Lumens: 1702 lm

Peak Intensity: 4505 cd

Illuminance @ 5m: 180 lux

Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°

Vertical Beam Angle (50%): 31.8°

Horizontal Field Angle (10%): 58.8°

Vertical Field Angle (10%): 58°

Horizontal Cutoff Angle (3%): 79.6°

Vertical Cutoff Angle (3%): 78.8°



### Conditions

AC Supply: 121 V, 60 Hz

Power: n/a W

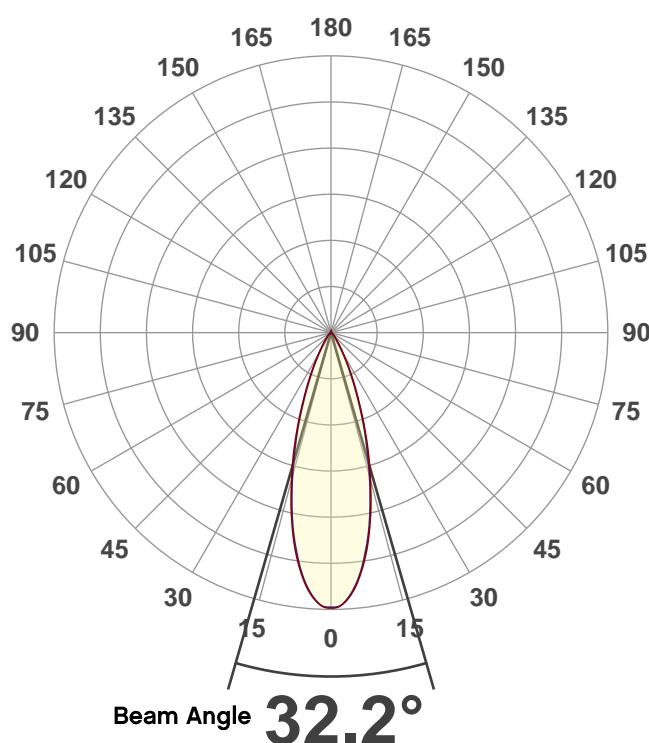
Current: 0.000 A

Power Factor: n/a

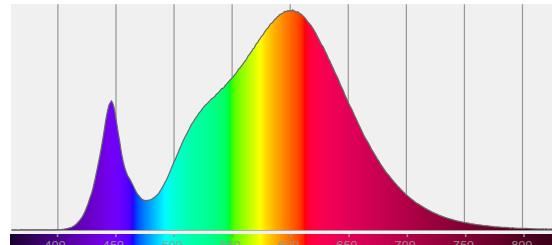
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

## Overall Measurement

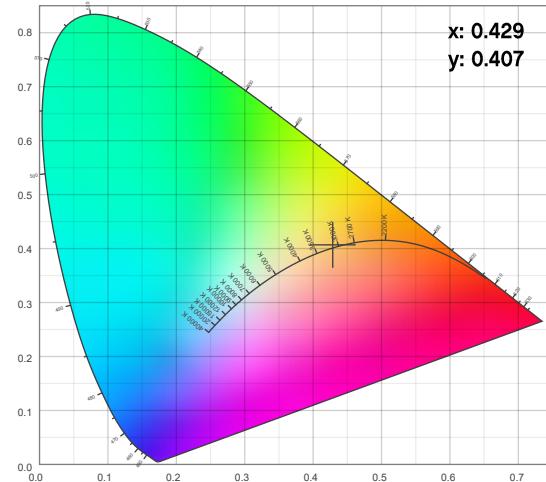
Angular Beam Distribution



Spectral Distribution



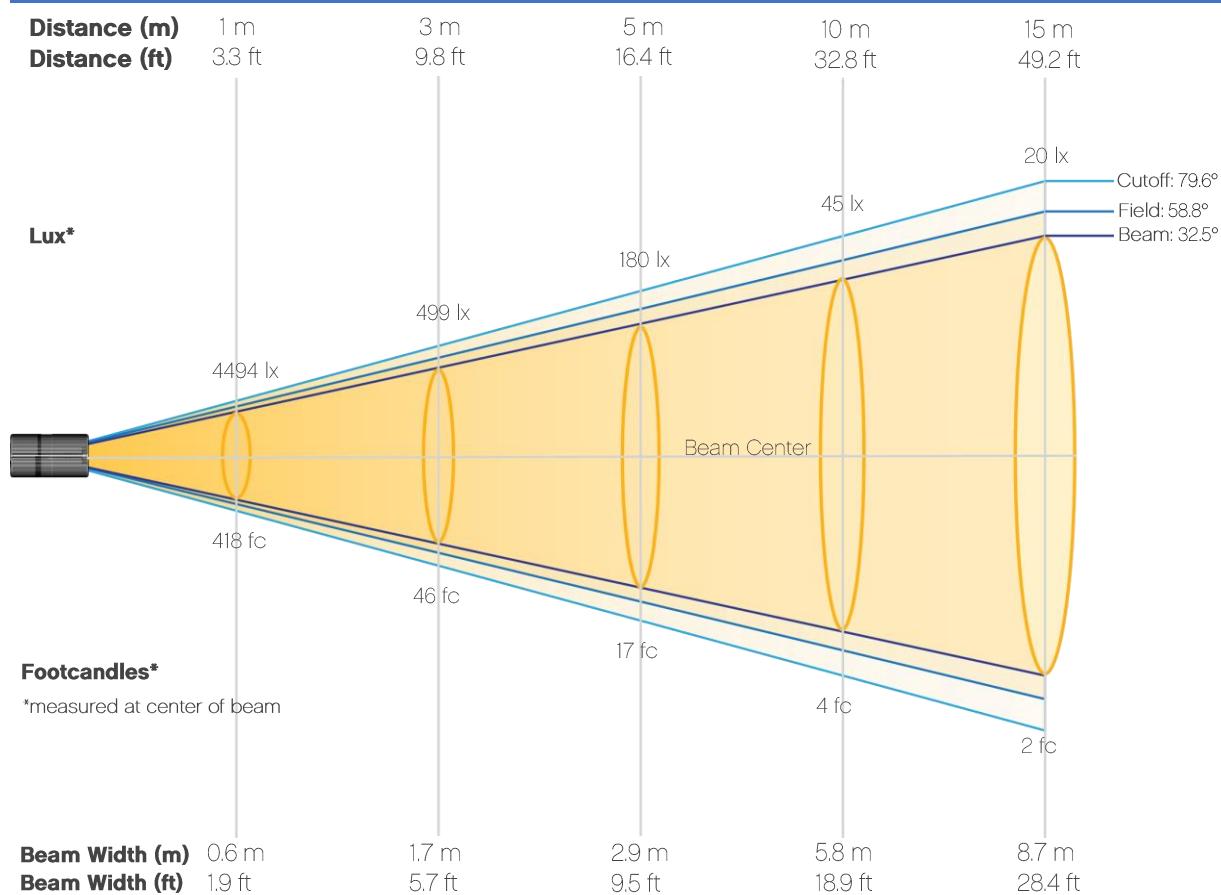
CIE 1931



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Beam Details

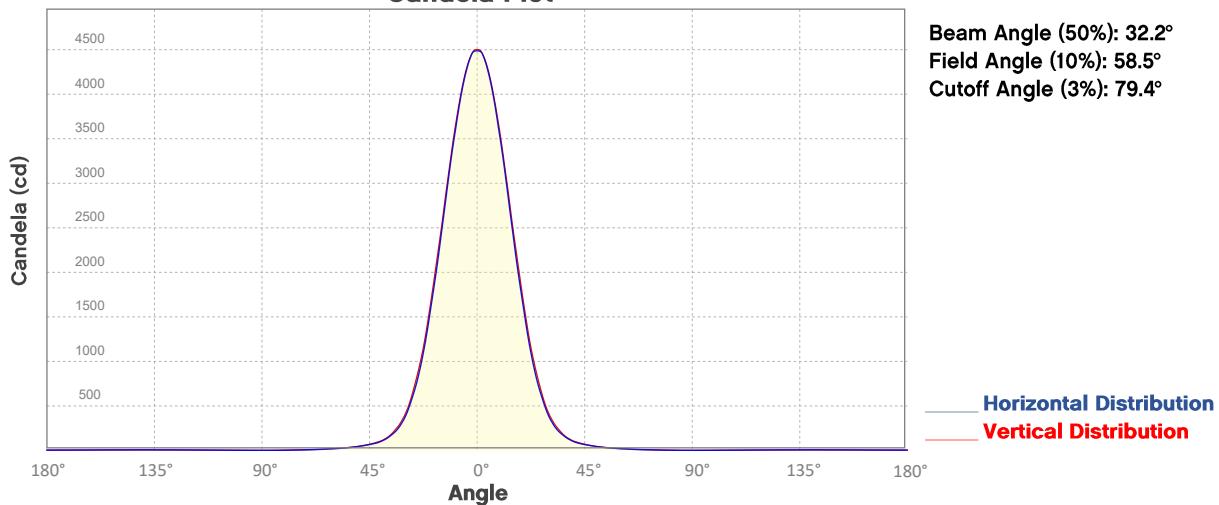


## Beam Illuminances from 1-20m (3.3-65.6ft)

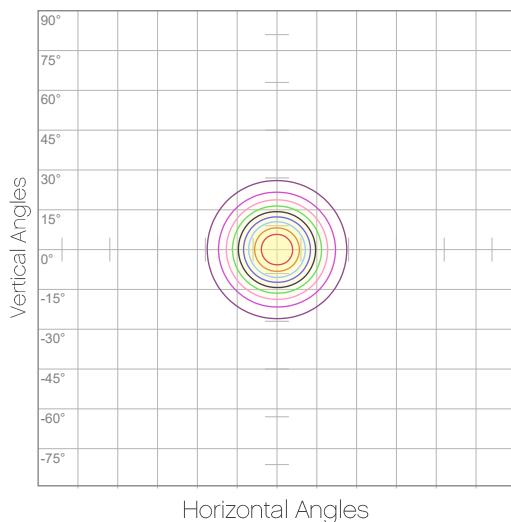
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 4494   | 1123   | 499    | 281    | 180    | 125    | 92     | 70     | 55     | 45     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 37     | 31     | 27     | 23     | 20     | 18     | 16     | 14     | 12     | 11     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 418    | 104    | 46     | 26     | 17     | 12     | 9      | 7      | 5      | 4      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 3      | 3      | 2      | 2      | 2      | 2      | 1      | 1      | 1      | 1      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only  
**Candela Plot**



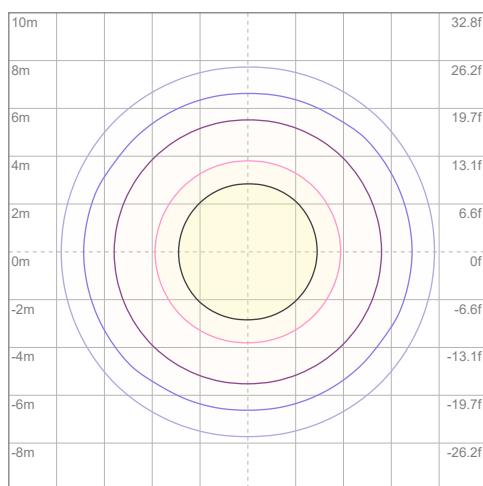
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 449 cd  |
| 20% | 899 cd  |
| 30% | 1348 cd |
| 40% | 1798 cd |
| 50% | 2247 cd |
| 60% | 2696 cd |
| 70% | 3146 cd |
| 80% | 3595 cd |
| 90% | 4045 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 4494 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.35 lx |
| 5%  | 2.25 lx |
| 10% | 4.49 lx |
| 30% | 13.5 lx |
| 50% | 22.5 lx |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 44.9 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Report Summary

### Output

Total Lumens: 1072 lm  
Peak Intensity: 2840 cd  
Illuminance @ 5m: 113 lux  
Fixture Efficacy: fti lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.9°  
Vertical Field Angle (10%): 58°  
Horizontal Cutoff Angle (3%): 79.6°  
Vertical Cutoff Angle (3%): 78.8°

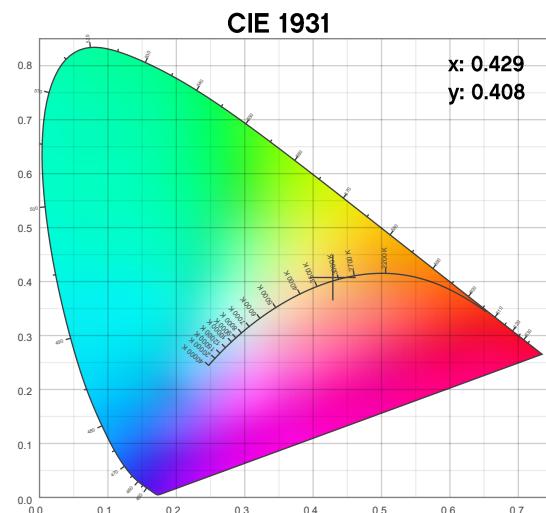
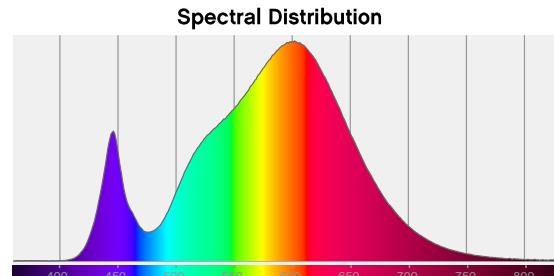
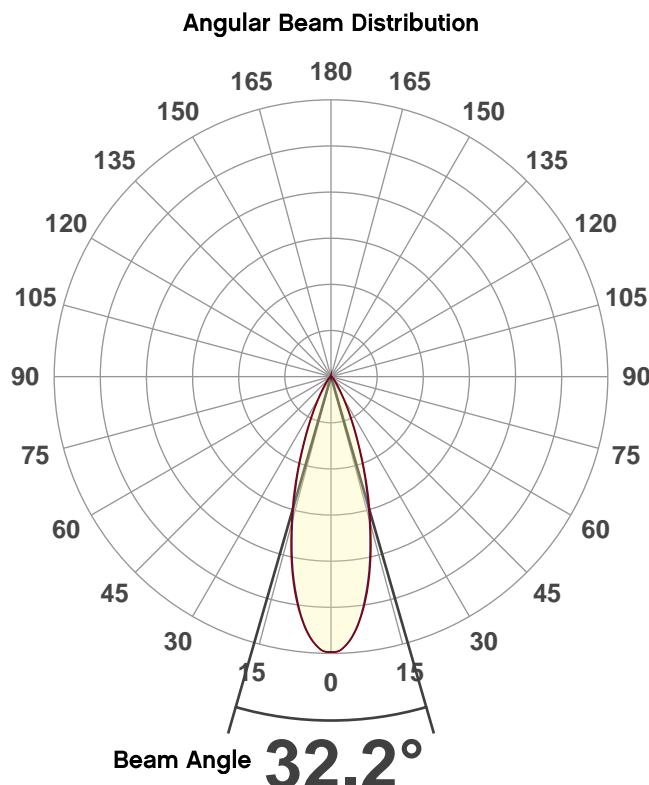


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

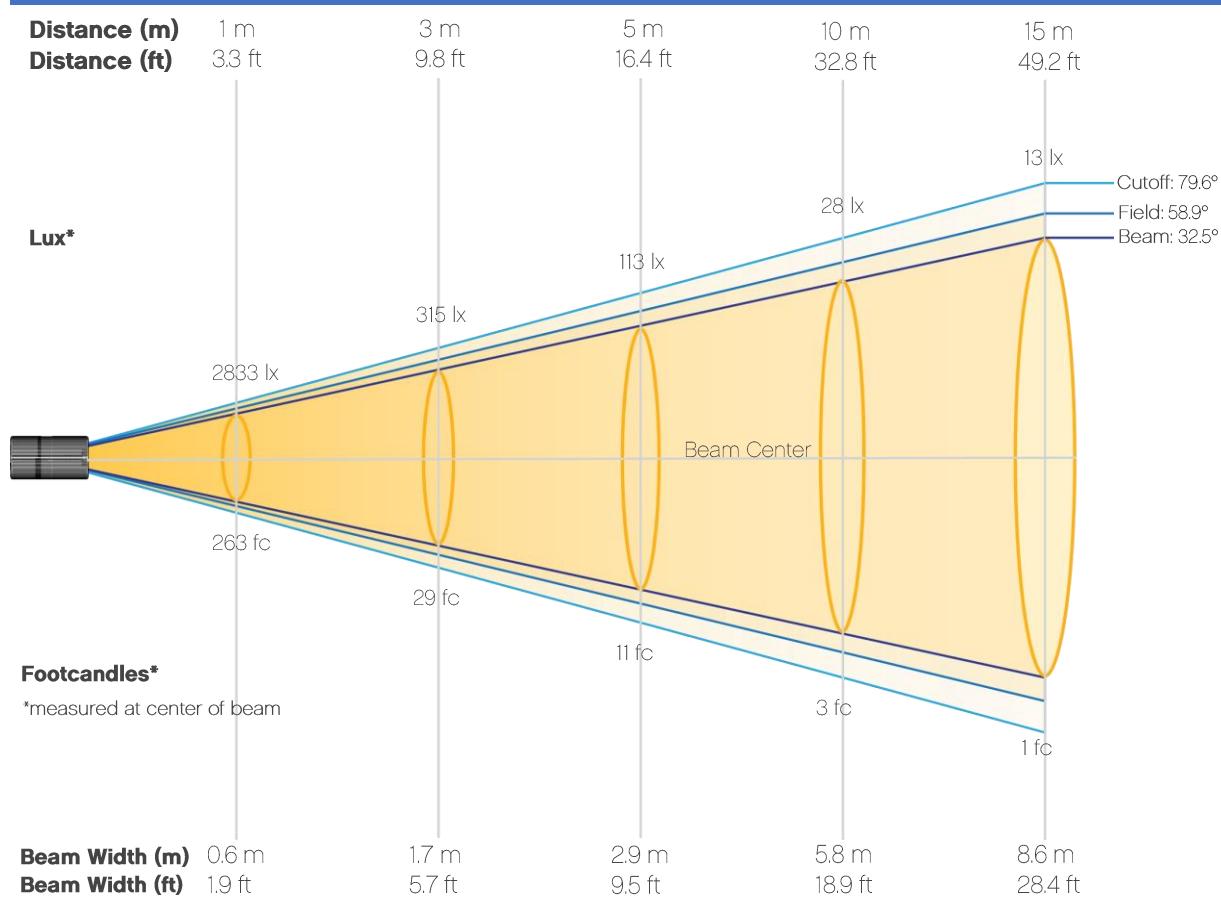
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Beam Details

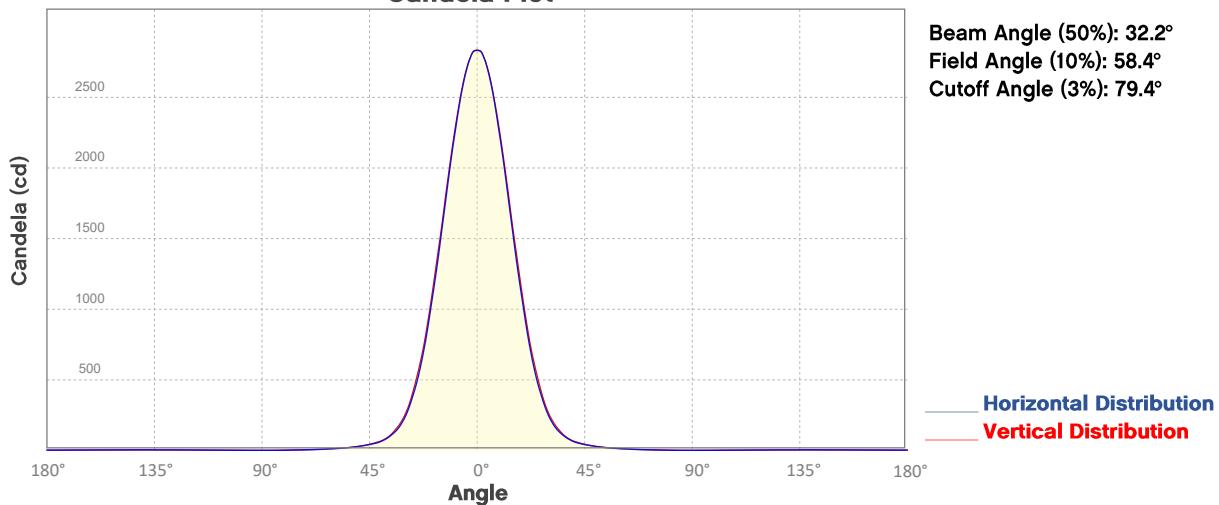


## Beam Illuminances from 1-20m (3.3-65.6ft)

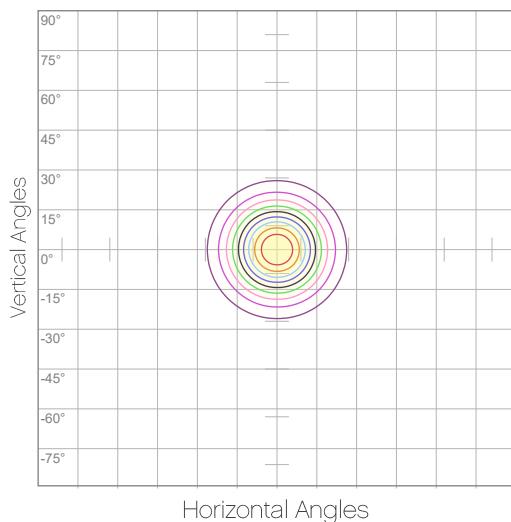
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 2833   | 708    | 315    | 177    | 113    | 79     | 58     | 44     | 35     | 28     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 23     | 20     | 17     | 14     | 13     | 11     | 10     | 9      | 8      | 7      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 263    | 66     | 29     | 16     | 11     | 7      | 5      | 4      | 3      | 3      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 2      | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only  
**Candela Plot**



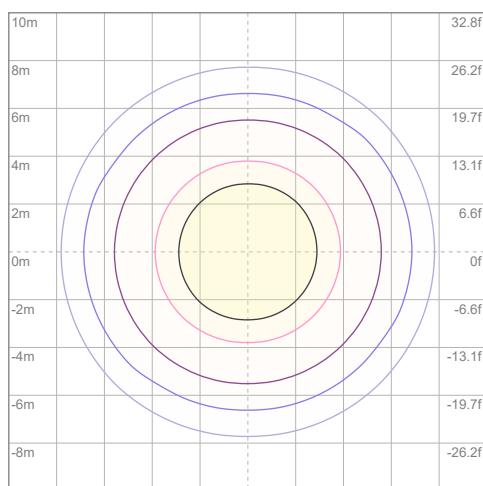
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 283 cd  |
| 20% | 567 cd  |
| 30% | 850 cd  |
| 40% | 1133 cd |
| 50% | 1417 cd |
| 60% | 1700 cd |
| 70% | 1983 cd |
| 80% | 2267 cd |
| 90% | 2550 cd |

**Conditions:**  
Number of c-planes: 8  
Candela at center: 2833 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.850 lx |
| 5%  | 1.42 lx  |
| 10% | 2.83 lx  |
| 30% | 8.50 lx  |
| 50% | 14.2 lx  |

**Conditions:**  
Number of c-planes: 8  
Lux at center: 28.3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Report Summary

### Output

Total Lumens: 697 lm  
Peak Intensity: 1845 cd  
Illuminance @ 5m: 74 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.4°  
Vertical Beam Angle (50%): 31.7°  
Horizontal Field Angle (10%): 58.9°  
Vertical Field Angle (10%): 58°  
Horizontal Cutoff Angle (3%): 79.6°  
Vertical Cutoff Angle (3%): 78.7°

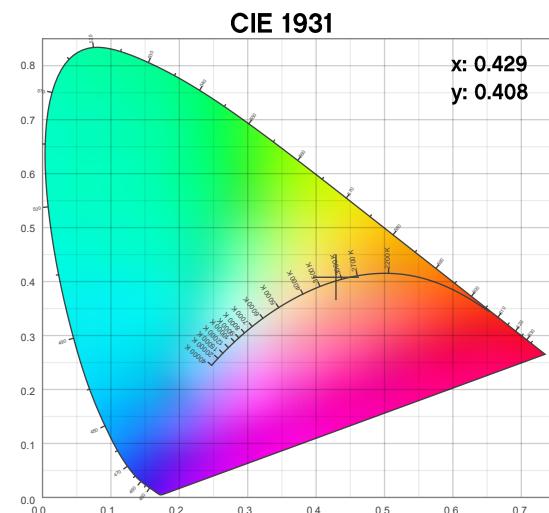
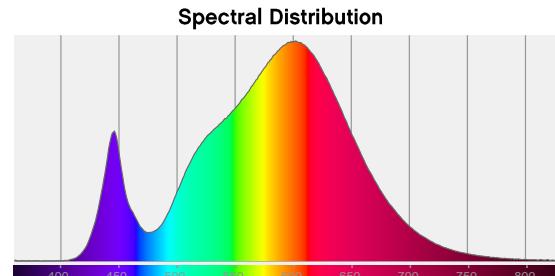
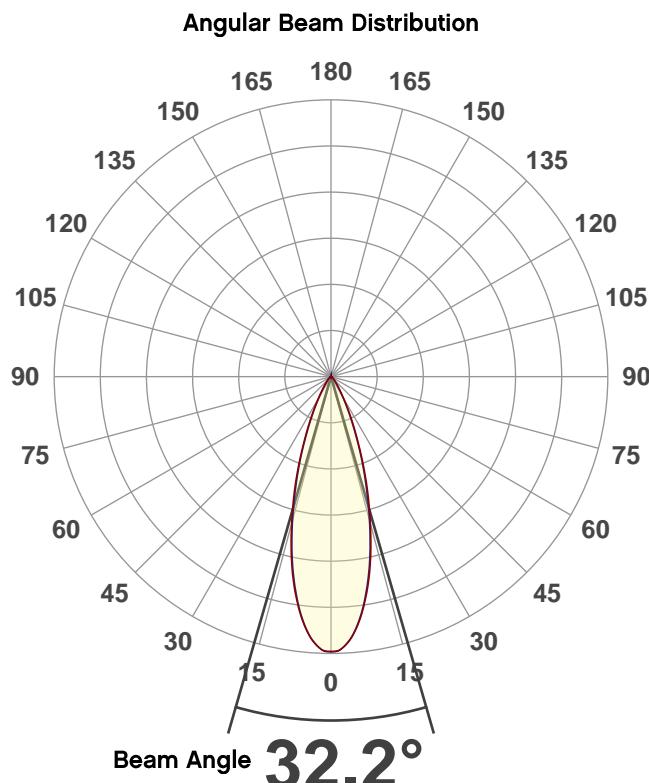


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

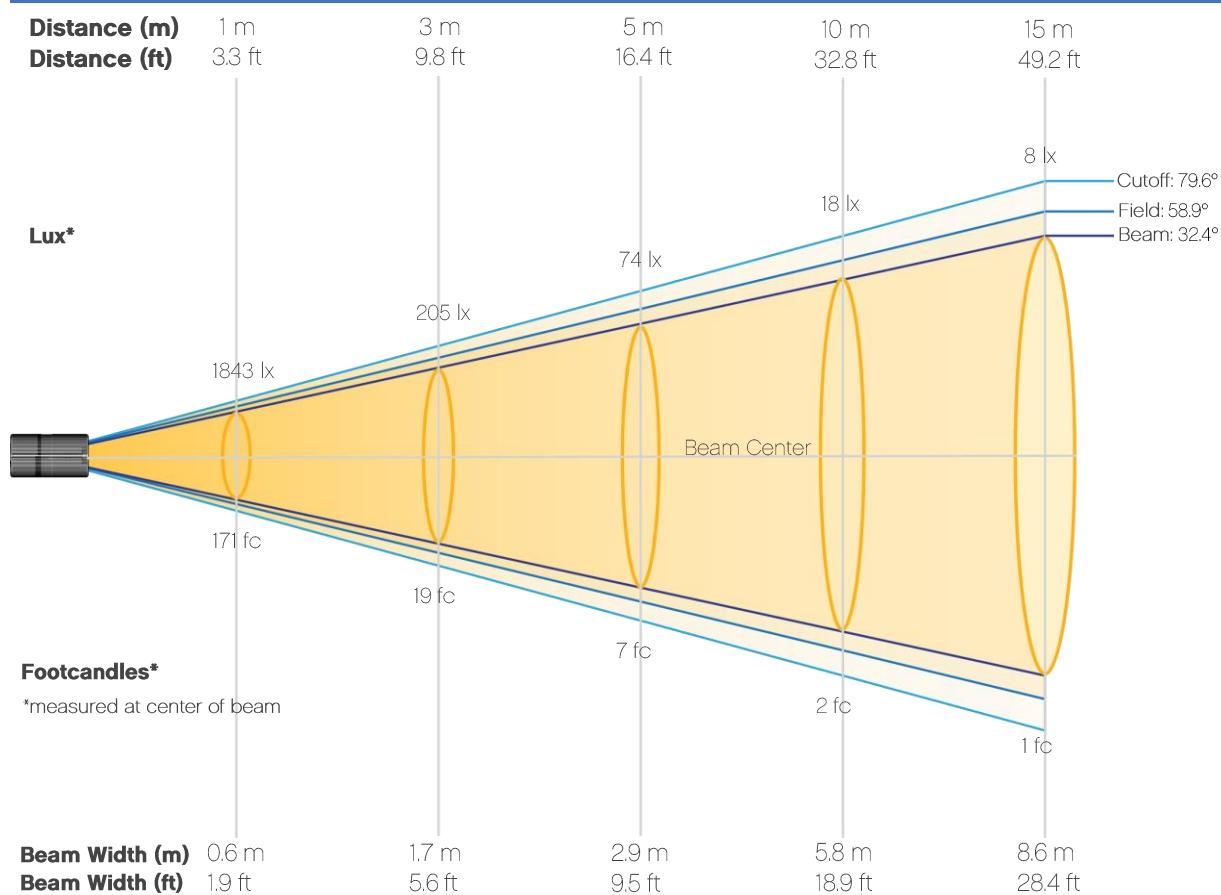
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only

## Beam Details

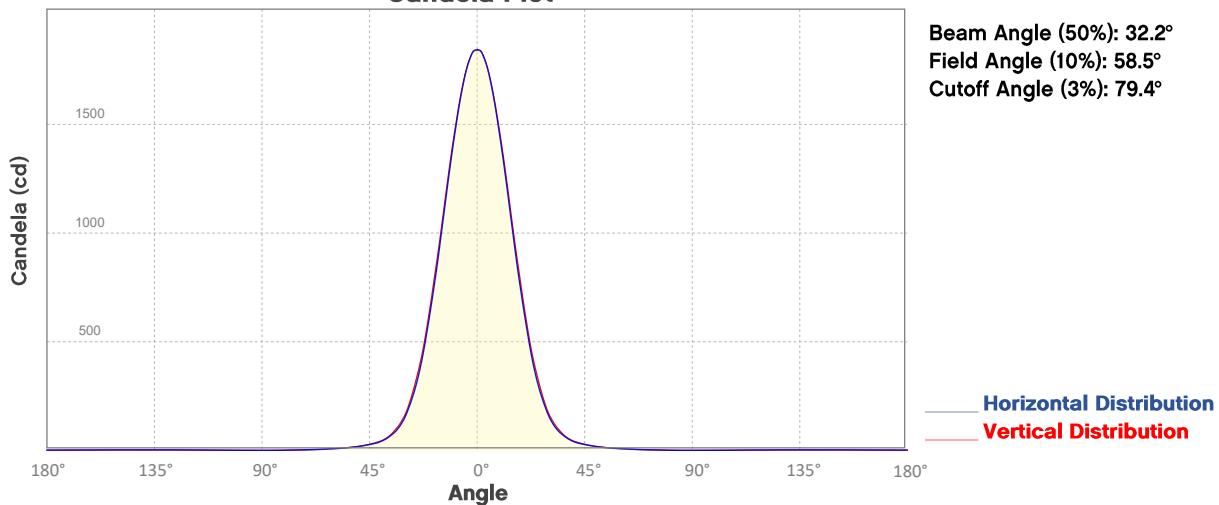


## Beam Illuminances from 1-20m (3.3-65.6ft)

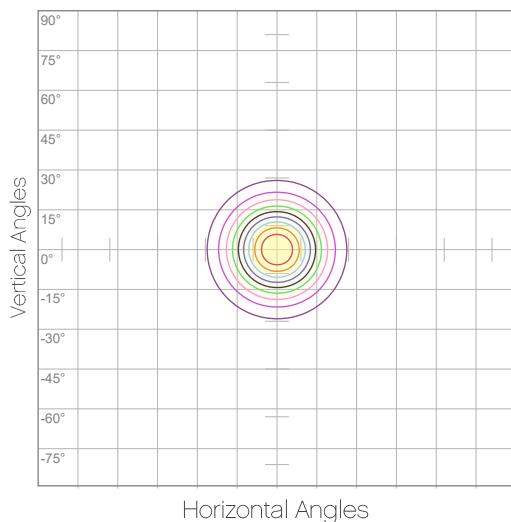
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 1843   | 461    | 205    | 115    | 74     | 51     | 38     | 29     | 23     | 18     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 15     | 13     | 11     | 9      | 8      | 7      | 6      | 6      | 5      | 5      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 171    | 43     | 19     | 11     | 7      | 5      | 3      | 3      | 2      | 2      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 0      | 0      |

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, Warm white Only  
**Candela Plot**



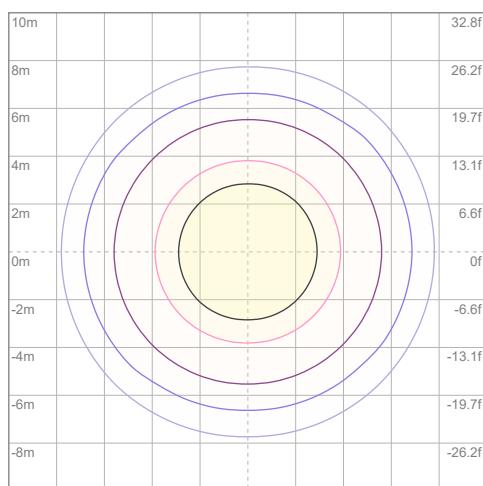
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 184 cd  |
| 20% | 369 cd  |
| 30% | 553 cd  |
| 40% | 737 cd  |
| 50% | 921 cd  |
| 60% | 1106 cd |
| 70% | 1290 cd |
| 80% | 1474 cd |
| 90% | 1658 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 1843 cd



**iso-illuminance Diagram**

|     |          |
|-----|----------|
| 3%  | 0.553 lx |
| 5%  | 0.921 lx |
| 10% | 1.84 lx  |
| 30% | 5.53 lx  |
| 50% | 9.21 lx  |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 18.4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 3200K

## Report Summary

### Output

Total Lumens: 2173 lm  
Peak Intensity: 5788 cd  
Illuminance @ 5m: 231 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.4°  
Vertical Beam Angle (50%): 31.7°  
Horizontal Field Angle (10%): 58.8°  
Vertical Field Angle (10%): 57.7°  
Horizontal Cutoff Angle (3%): 79.2°  
Vertical Cutoff Angle (3%): 78.2°

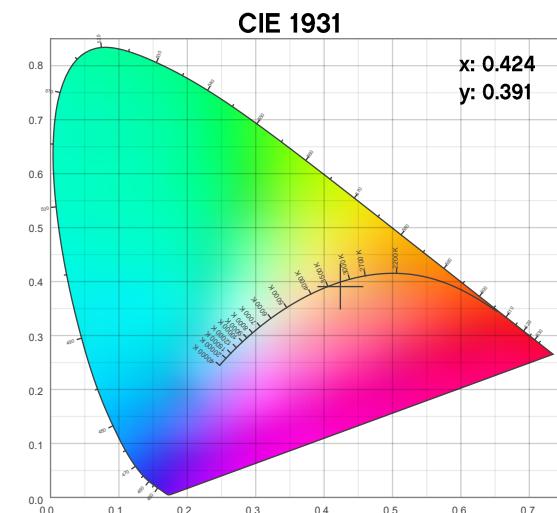
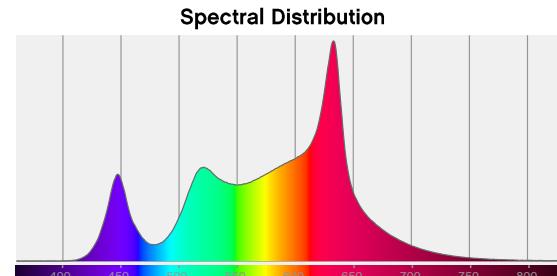
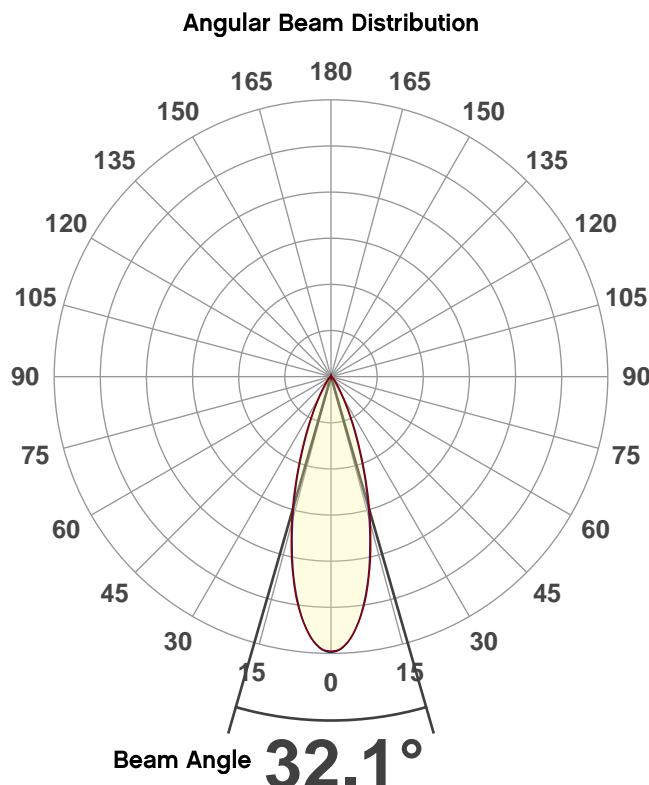


### Conditions

AC Supply: 120 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

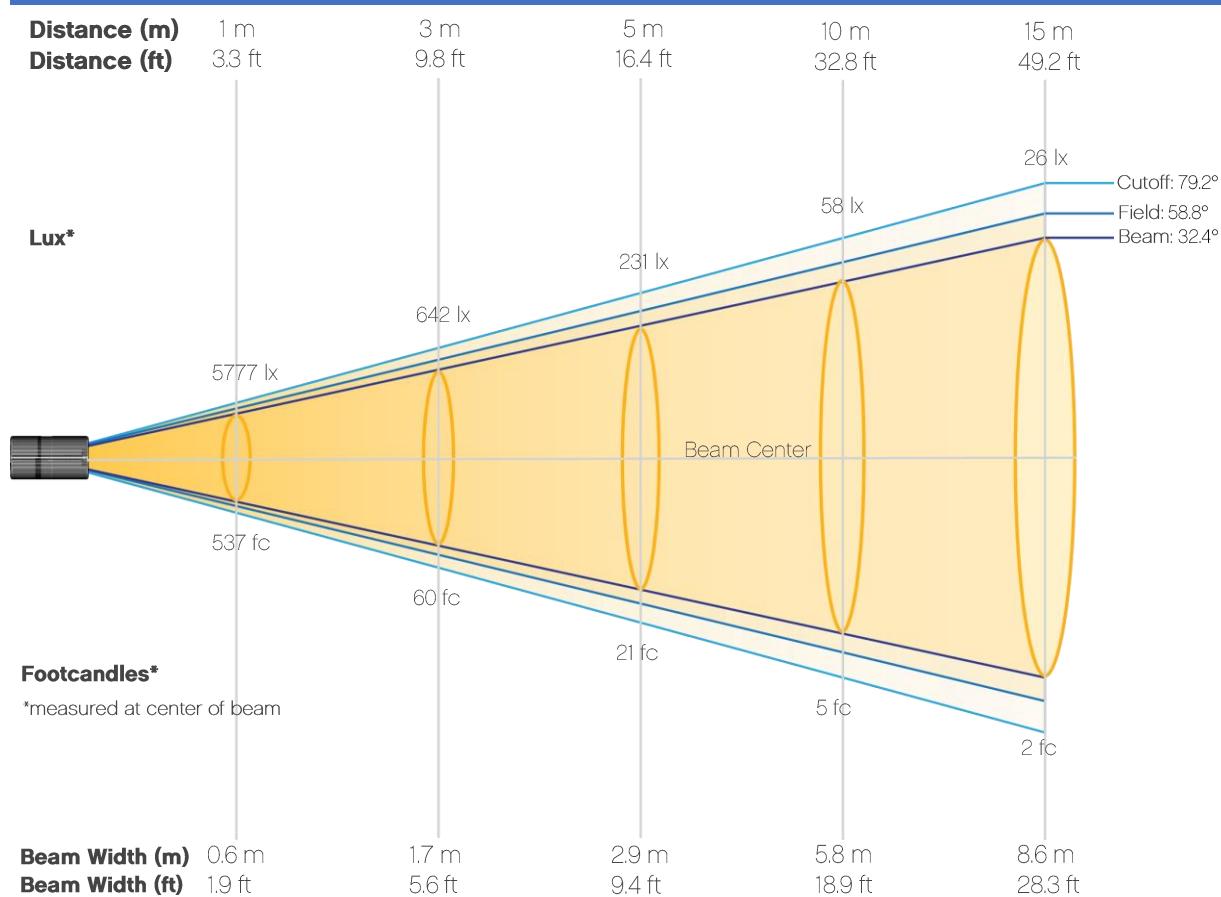
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 3200K

## Beam Details



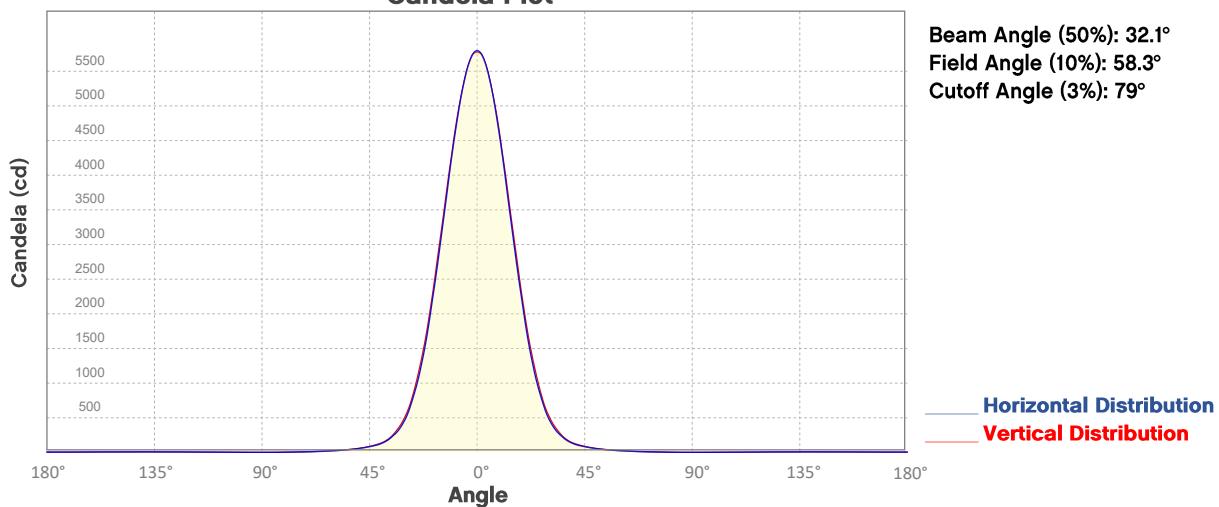
## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 5777   | 1444   | 642    | 361    | 231    | 160    | 118    | 90     | 71     | 58     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 48     | 40     | 34     | 29     | 26     | 23     | 20     | 18     | 16     | 14     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 537    | 134    | 60     | 34     | 21     | 15     | 11     | 8      | 7      | 5      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 4      | 4      | 3      | 3      | 2      | 2      | 2      | 2      | 1      | 1      |

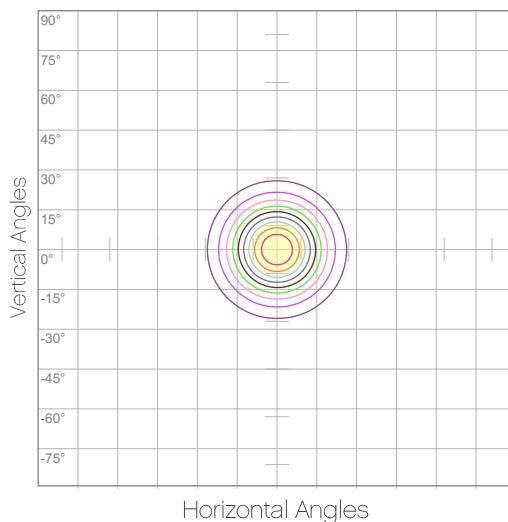
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 3200K

## Candela Plot



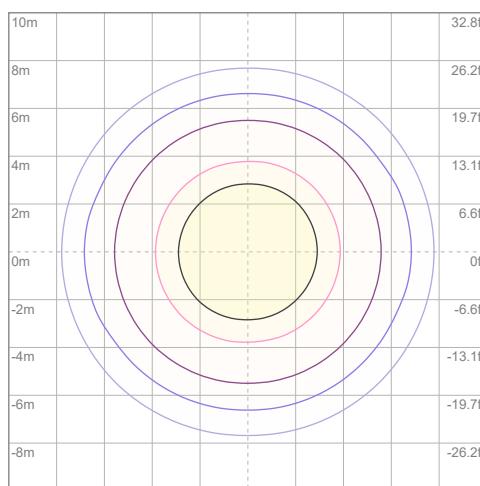
## Polar Diagrams



### iso-candela Diagram

|     |         |
|-----|---------|
| 10% | 578 cd  |
| 20% | 1155 cd |
| 30% | 1733 cd |
| 40% | 2311 cd |
| 50% | 2888 cd |
| 60% | 3466 cd |
| 70% | 4044 cd |
| 80% | 4621 cd |
| 90% | 5199 cd |

**Conditions:**  
 Number of c-planes: 8  
 Candela at center: 5777 cd



### iso-illuminance Diagram

|     |         |
|-----|---------|
| 3%  | 1.73 lx |
| 5%  | 2.89 lx |
| 10% | 5.78 lx |
| 30% | 17.3 lx |
| 50% | 28.9 lx |

**Conditions:**  
 Number of c-planes: 8  
 Lux at center: 57.8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 4000K

## Report Summary

### Output

Total Lumens: 2278 lm  
Peak Intensity: 6060 cd  
Illuminance @ 5m: 242 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.5°  
Vertical Beam Angle (50%): 31.7°  
Horizontal Field Angle (10%): 58.8°  
Vertical Field Angle (10%): 57.8°  
Horizontal Cutoff Angle (3%): 79.3°  
Vertical Cutoff Angle (3%): 78.3°

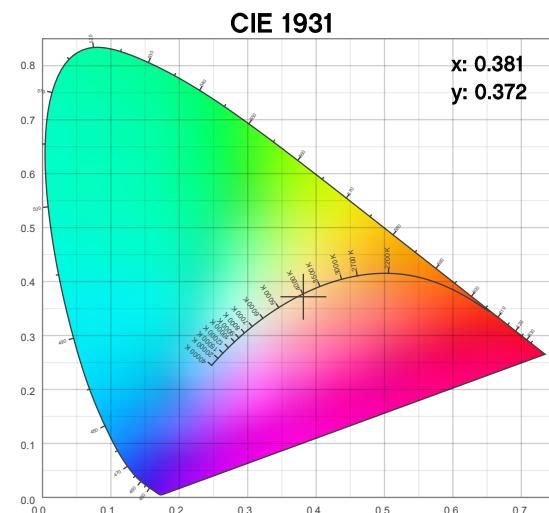
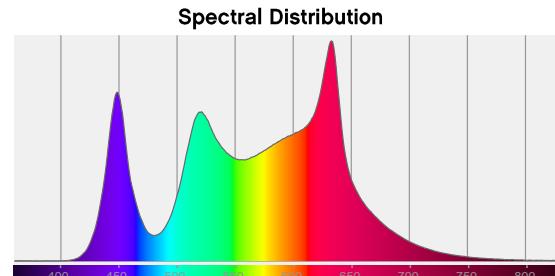
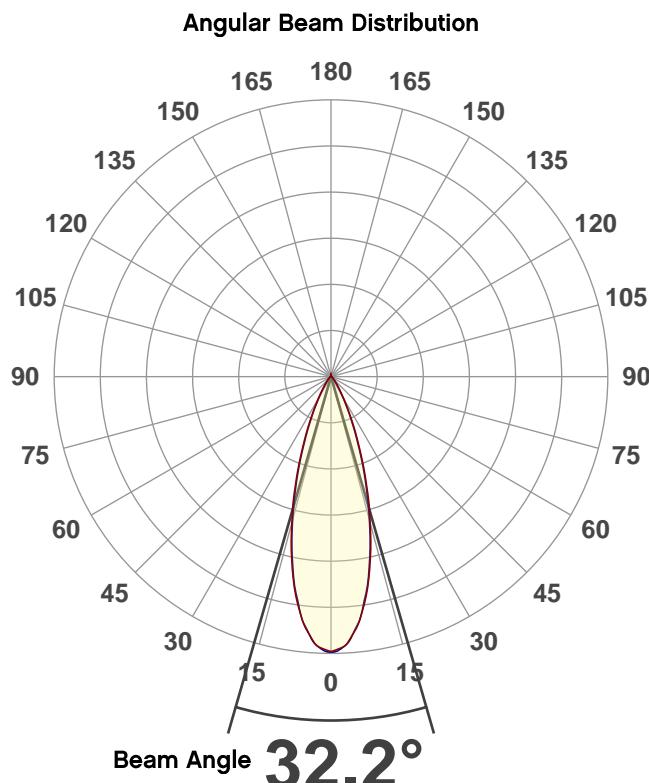


### Conditions

AC Supply: 121 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

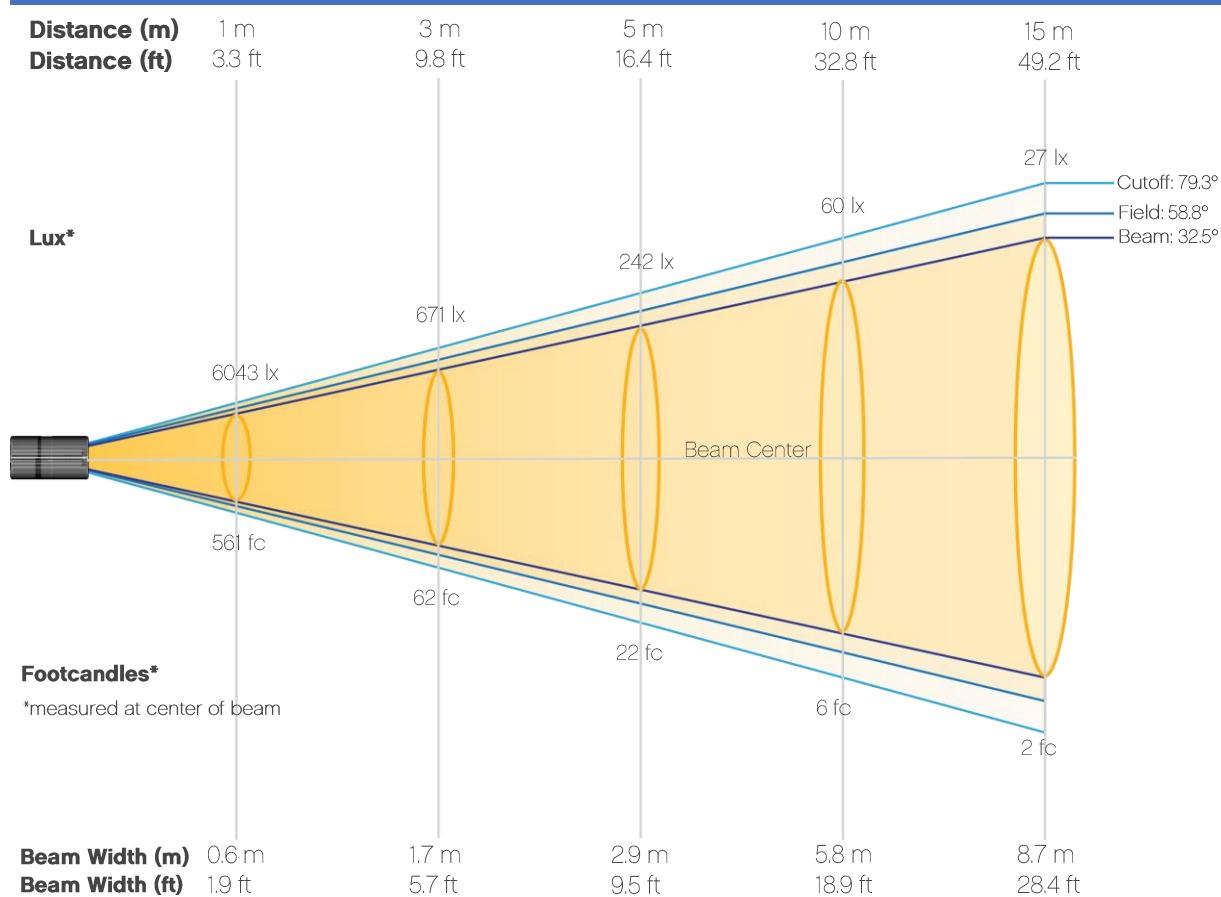
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 4000K

## Beam Details



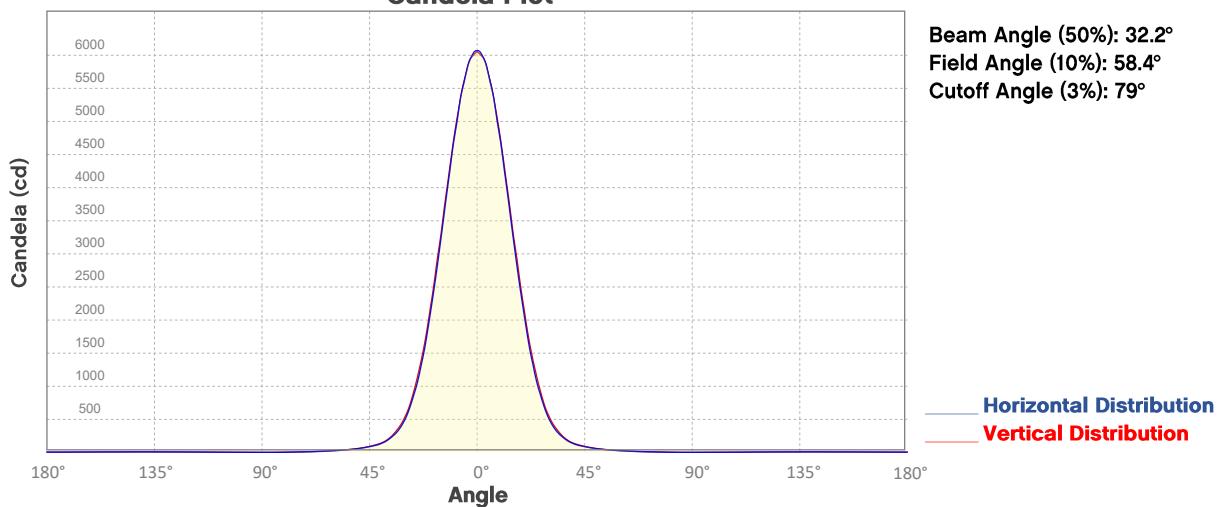
### Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 6043   | 1511   | 671    | 378    | 242    | 168    | 123    | 94     | 75     | 60     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 50     | 42     | 36     | 31     | 27     | 24     | 21     | 19     | 17     | 15     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 561    | 140    | 62     | 35     | 22     | 16     | 11     | 9      | 7      | 6      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 4      | 3      | 3      | 2      | 2      | 2      | 2      | 2      | 1      |

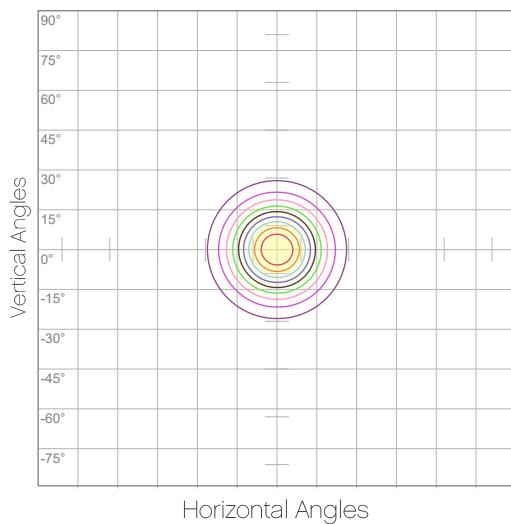
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 4000K

## Candela Plot



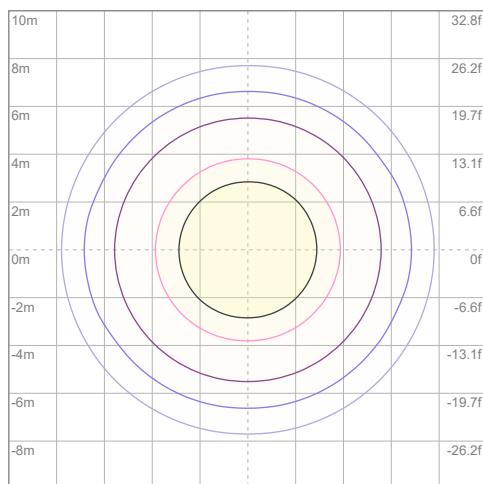
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 604 cd  |
| 20% | 1209 cd |
| 30% | 1813 cd |
| 40% | 2417 cd |
| 50% | 3021 cd |
| 60% | 3626 cd |
| 70% | 4230 cd |
| 80% | 4834 cd |
| 90% | 5439 cd |

Conditions:  
 Number of c-planes: 8  
 Candela at center: 6043 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.81 lx |
| 5%  | 3.02 lx |
| 10% | 6.04 lx |
| 30% | 18.1 lx |
| 50% | 30.2 lx |

Conditions:  
 Number of c-planes: 8  
 Lux at center: 60.4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 5600K

## Report Summary

### Output

Total Lumens: 2457 lm  
Peak Intensity: 6521 cd  
Illuminance @ 5m: 261 lux  
Fixture Efficacy: ffl lm/W

### Optical

Horizontal Beam Angle (50%): 32.4°  
Vertical Beam Angle (50%): 31.8°  
Horizontal Field Angle (10%): 58.7°  
Vertical Field Angle (10%): 58°  
Horizontal Cutoff Angle (3%): 79.2°  
Vertical Cutoff Angle (3%): 78.4°

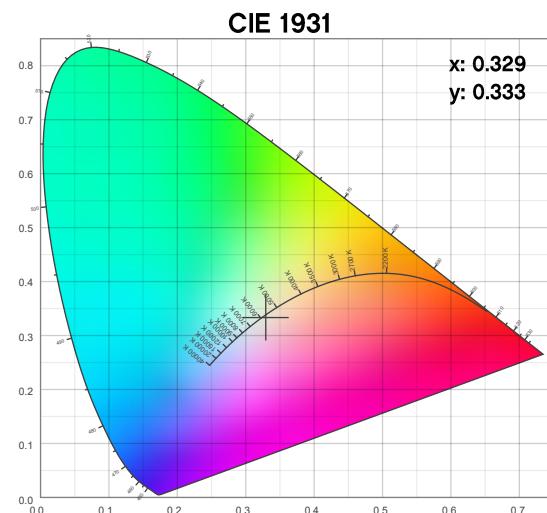
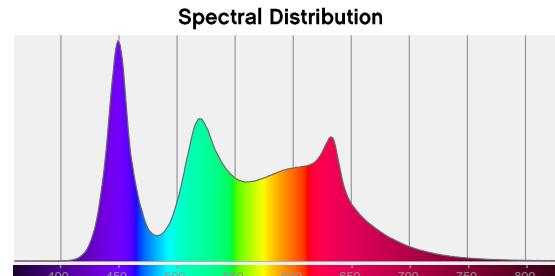
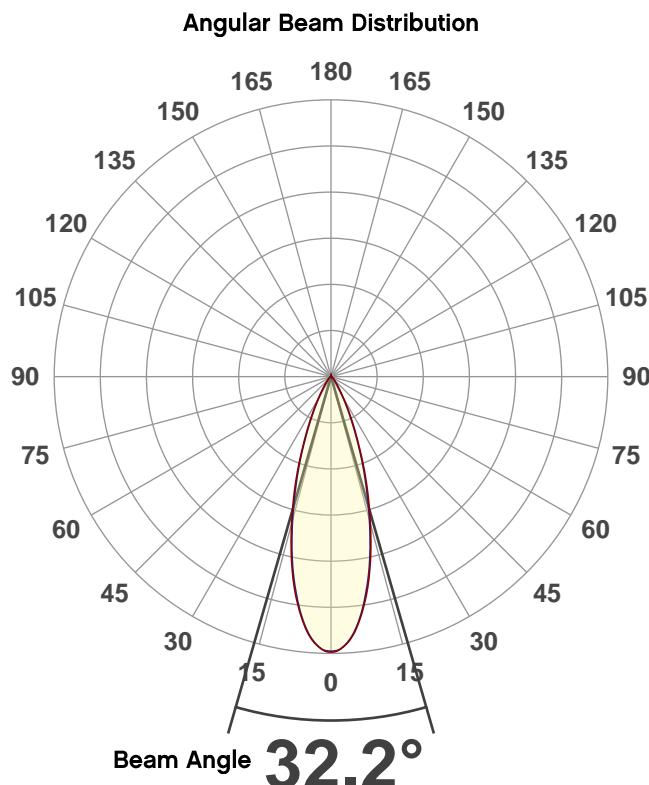


### Conditions

AC Supply: 121 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/27/2020 to LM-63-2002 Standards.

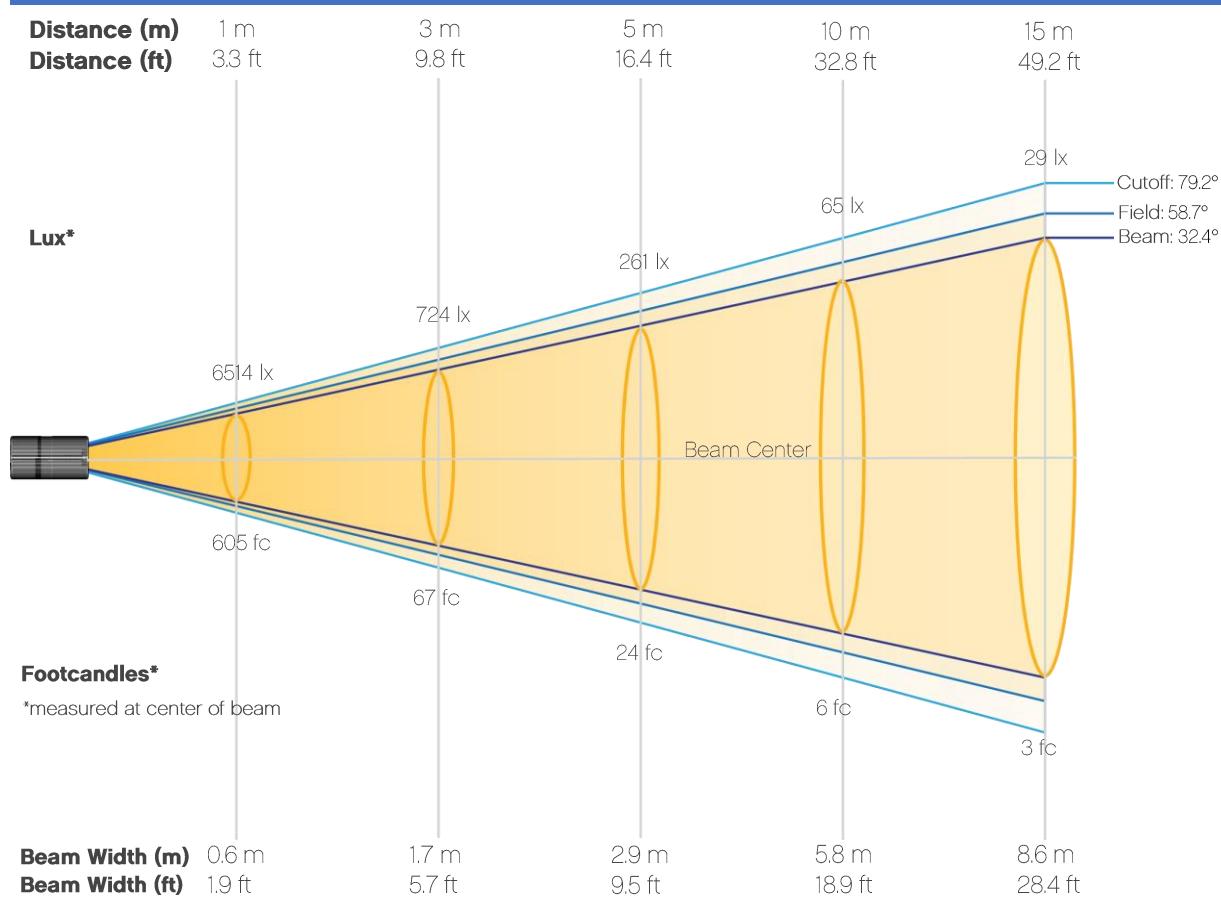
## Overall Measurement



# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 5600K

## Beam Details



## Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX      | 6514   | 1629   | 724    | 407    | 261    | 181    | 133    | 102    | 80     | 65     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| LUX      | 54     | 45     | 39     | 33     | 29     | 25     | 23     | 20     | 18     | 16     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 605    | 151    | 67     | 38     | 24     | 17     | 12     | 9      | 7      | 6      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 5      | 4      | 4      | 3      | 3      | 2      | 2      | 2      | 2      | 2      |

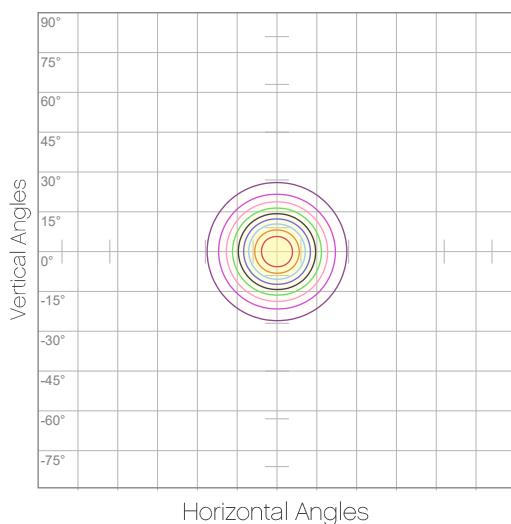
# Photometric Report

**WELL Panel:** Standard Optics-w/Filter Lens, 5600K

## Candela Plot



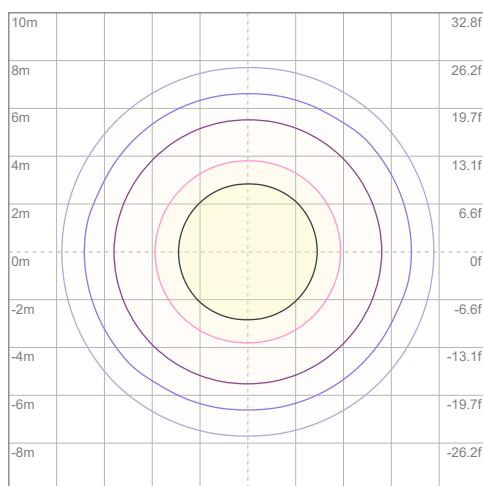
## Polar Diagrams



**iso-candela Diagram**

|     |         |
|-----|---------|
| 10% | 651 cd  |
| 20% | 1303 cd |
| 30% | 1954 cd |
| 40% | 2606 cd |
| 50% | 3257 cd |
| 60% | 3909 cd |
| 70% | 4560 cd |
| 80% | 5212 cd |
| 90% | 5863 cd |

Conditions:  
Number of c-planes: 8  
Candela at center: 6514 cd



**iso-illuminance Diagram**

|     |         |
|-----|---------|
| 3%  | 1.95 lx |
| 5%  | 3.26 lx |
| 10% | 6.51 lx |
| 30% | 19.5 lx |
| 50% | 32.6 lx |

Conditions:  
Number of c-planes: 8  
Lux at center: 65.1 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

# Chromaticity Report

WELL Panel: RGBW

## Report Summary

### Measurements

Total Lumens: 5117 lm

Peak Intensity: 13766 cd

Fixture Efficacy: 30 lm/W

Correlated Color Temperature: 0K

$\Delta u_v$ : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

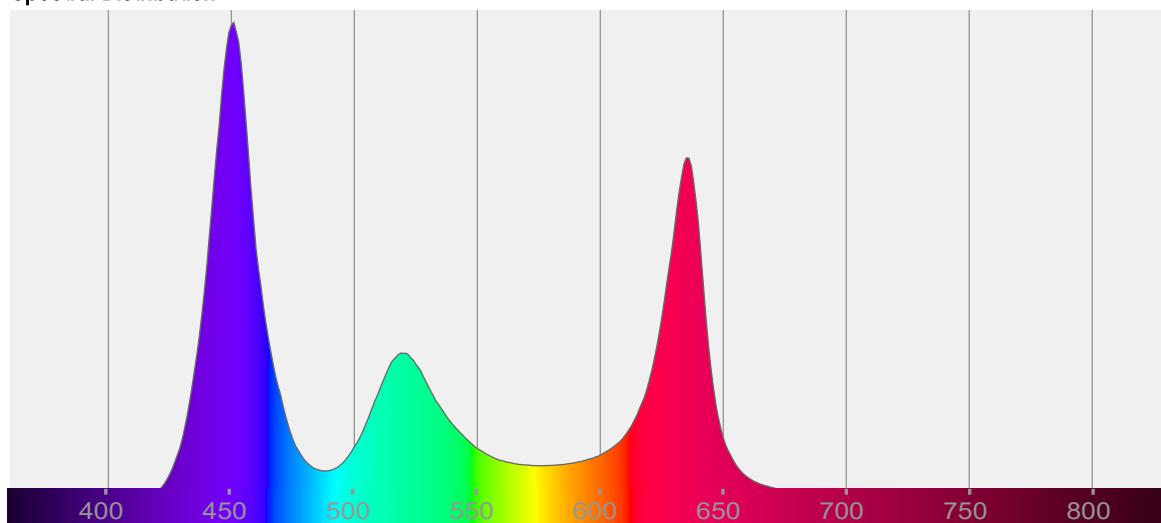
TM-30-18 Rg: 0.0

1<sup>st</sup> Dominant Wavelength: 451 nm

2<sup>nd</sup> Dominant Wavelength: 635 nm



### Spectral Distribution



#### Tested Color

0 K

CIE 1931 Coordinates:  
X: 0.280 Y: 0.214

#### Color Temperature

0 K

#### Light Quality

CRI: 0.0

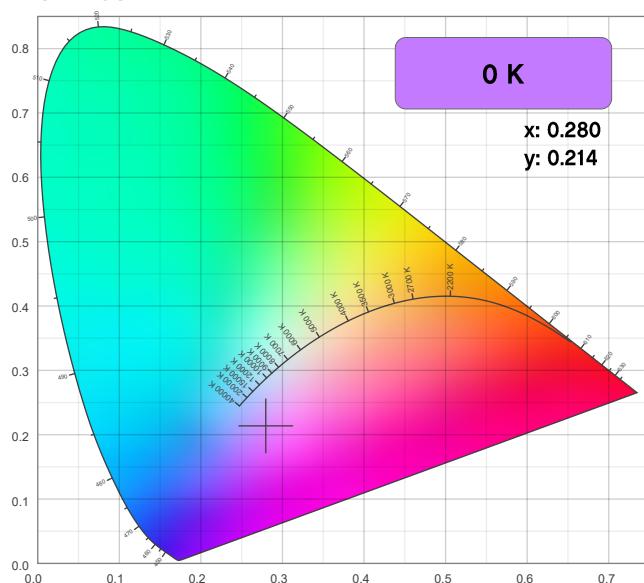
#### Notes:

# Chromaticity Report

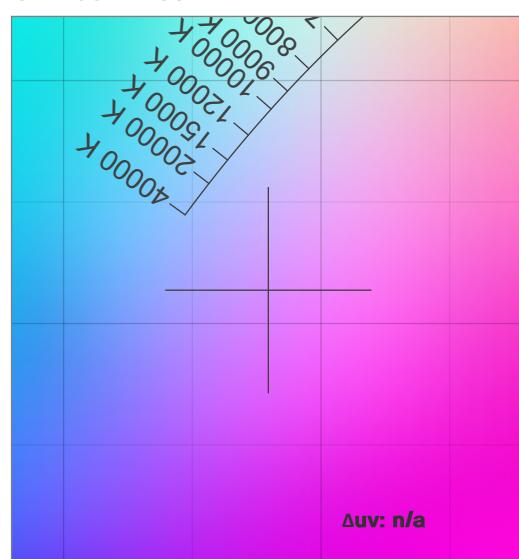
WELL Panel: RGBW

## Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |

### Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 0 K               | 0.280                     | 0.214                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.214                     | 0.223                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| n/a                                   | 0.0            | 0.0         |

# Chromaticity Report

## **WELL Panel: RGBW**

## TM-30-18 Details

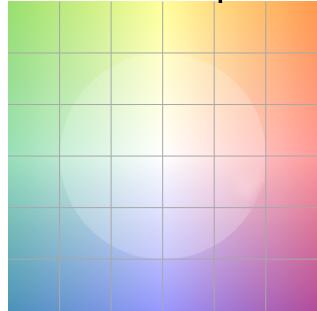
# Rf 0.0

## Fidelity Index (Rg)

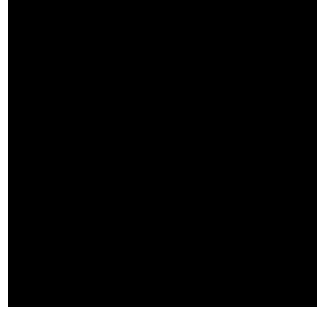
**Rg 0.0**

## Gamut Index (Rg)

# Color Vector Graphic



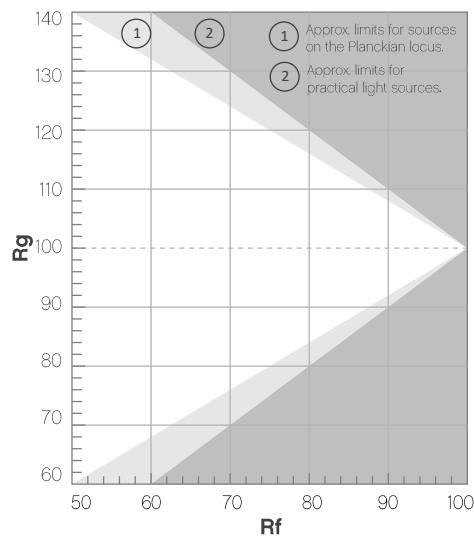
## Color Distortion Graphic



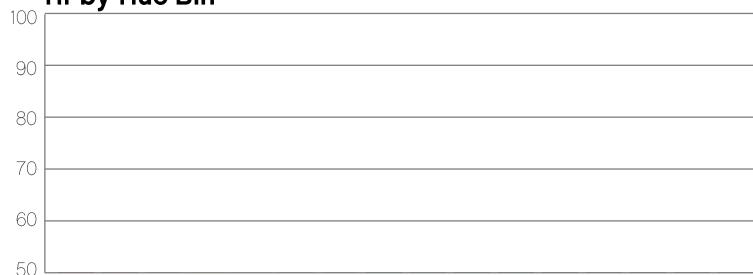
The graph displays a single data series representing the Fidelity Index (Rf) for each color sample. The Y-axis ranges from 0 to 100 with major grid lines every 20 units. The X-axis lists 10 color samples: 1. Red, 2. Green, 3. Blue, 4. Magenta, 5. Cyan, 6. Yellow, 7. Black, 8. White, 9. Orange, and 10. Purple. The data points show a general upward trend from sample 1 to sample 10.

| Color Sample | Fidelity Index (Rf) |
|--------------|---------------------|
| 1. Red       | ~45                 |
| 2. Green     | ~55                 |
| 3. Blue      | ~60                 |
| 4. Magenta   | ~65                 |
| 5. Cyan      | ~70                 |
| 6. Yellow    | ~75                 |
| 7. Black     | ~80                 |
| 8. White     | ~85                 |
| 9. Orange    | ~90                 |
| 10. Purple   | ~95                 |

| Hue Bin | $R_f$ | Chroma Shift | Hue Shift |
|---------|-------|--------------|-----------|
| 1       | 0     | 0%           | 0%        |
| 2       | 0     | 0%           | 0%        |
| 3       | 0     | 0%           | 0%        |
| 4       | 0     | 0%           | 0%        |
| 5       | 0     | 0%           | 0%        |
| 6       | 0     | 0%           | 0%        |
| 7       | 0     | 0%           | 0%        |
| 8       | 0     | 0%           | 0%        |
| 9       | 0     | 0%           | 0%        |
| 10      | 0     | 0%           | 0%        |
| 11      | 0     | 0%           | 0%        |
| 12      | 0     | 0%           | 0%        |
| 13      | 0     | 0%           | 0%        |
| 14      | 0     | 0%           | 0%        |
| 15      | 0     | 0%           | 0%        |
| 16      | 0     | 0%           | 0%        |



Rf by Hue Bin



Local Chroma Shift by Hue Bin



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# Chromaticity Report

WELL Panel: RGBW

## Report Summary

### Measurements

Total Lumens: 5344 lm

Peak Intensity: 14243 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 39230K

$\Delta u_v$ : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: 31

TM-30-18 Rf: 0.0

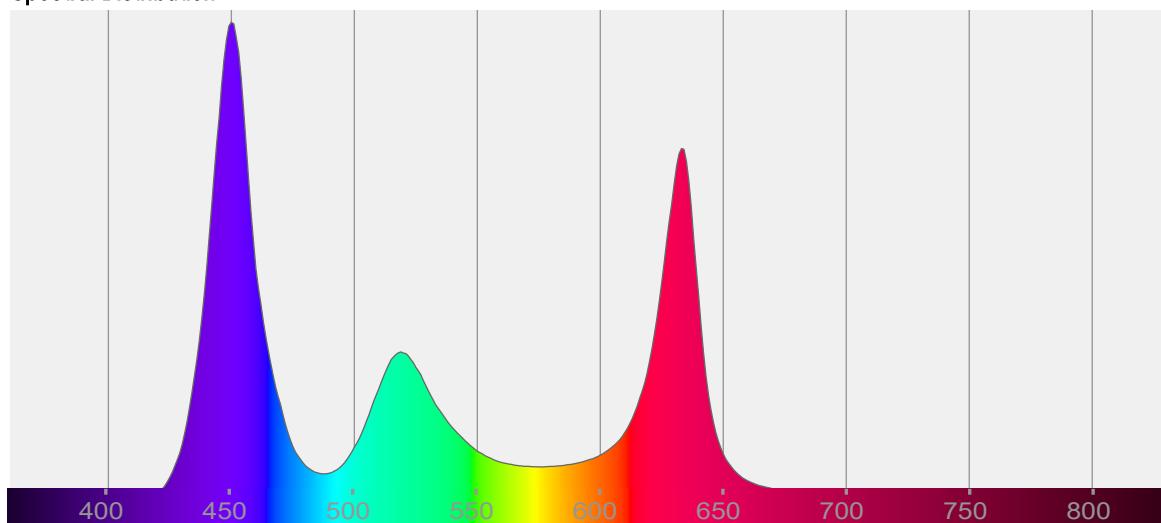
TM-30-18 Rg: 0.0

1<sup>st</sup> Dominant Wavelength: 450 nm

2<sup>nd</sup> Dominant Wavelength: 633 nm



### Spectral Distribution



#### Tested Color

39230 K

CIE 1931 Coordinates:

X: 0.284 Y: 0.215

#### Color Temperature

39230 K

#### Light Quality

CRI: 0.0

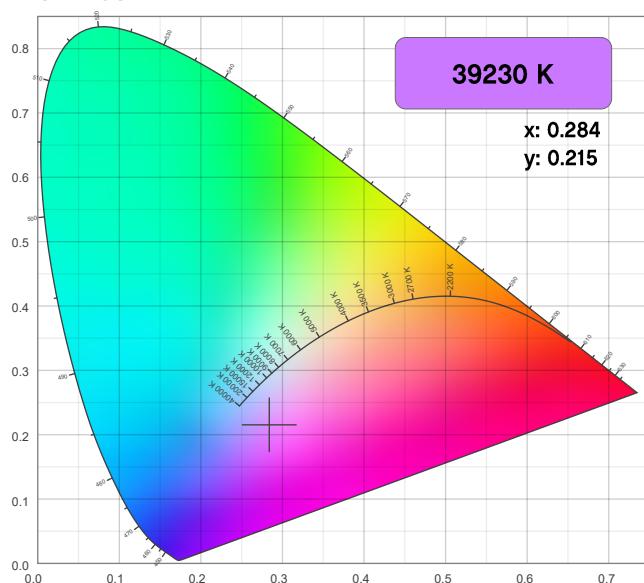
### Notes:

# Chromaticity Report

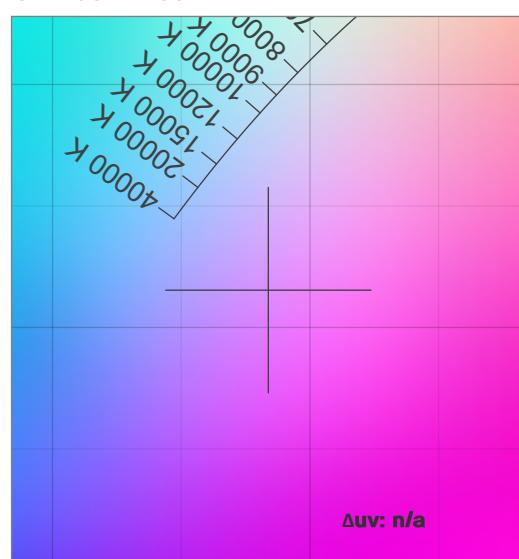
WELL Panel: RGBW

## Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |

## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 39230 K           | 0.284                     | 0.215                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.215                     | 0.000                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 31                                    | 0.0            | 0.0         |

# Chromaticity Report

## **WELL Panel: RGBW**

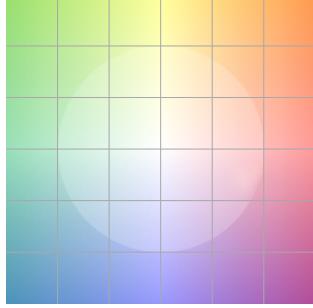
## TM-30-18 Details

# Rf 0.0

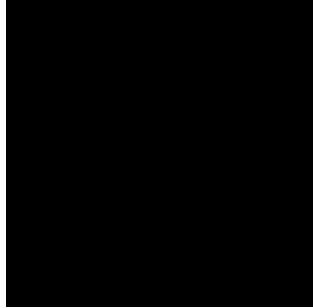
## Fidelity Index (Rg)

Rg 0.0

# Color Vector Graphic



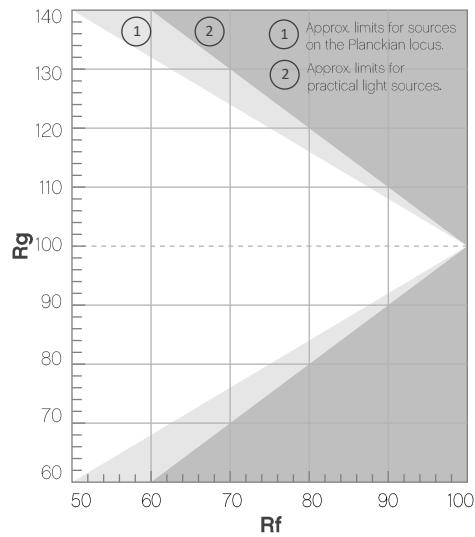
## Color Distortion Graphic



A bar chart titled "Color Sample Fidelity". The vertical axis is labeled "Fidelity Index (RF)" and ranges from 0 to 100 in increments of 20. The horizontal axis lists color samples: Red, Orange, Yellow, Green, Cyan, Magenta, and Black. Each sample has a corresponding blue bar representing its Fidelity Index.

| Color Sample | Fidelity Index (RF) |
|--------------|---------------------|
| Red          | 85                  |
| Orange       | 78                  |
| Yellow       | 82                  |
| Green        | 75                  |
| Cyan         | 70                  |
| Magenta      | 68                  |
| Black        | 65                  |

| Hue Bin | $R_f$ | Chroma Shift | Hue Shift |
|---------|-------|--------------|-----------|
| 1       | 0     | 0%           | 0%        |
| 2       | 0     | 0%           | 0%        |
| 3       | 0     | 0%           | 0%        |
| 4       | 0     | 0%           | 0%        |
| 5       | 0     | 0%           | 0%        |
| 6       | 0     | 0%           | 0%        |
| 7       | 0     | 0%           | 0%        |
| 8       | 0     | 0%           | 0%        |
| 9       | 0     | 0%           | 0%        |
| 10      | 0     | 0%           | 0%        |
| 11      | 0     | 0%           | 0%        |
| 12      | 0     | 0%           | 0%        |
| 13      | 0     | 0%           | 0%        |
| 14      | 0     | 0%           | 0%        |
| 15      | 0     | 0%           | 0%        |
| 16      | 0     | 0%           | 0%        |



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# Chromaticity Report

WELL Panel: RGBW

## Report Summary

### Measurements

Total Lumens: 4304 lm

Peak Intensity: 11541 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 0K

$\Delta u_v$ : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

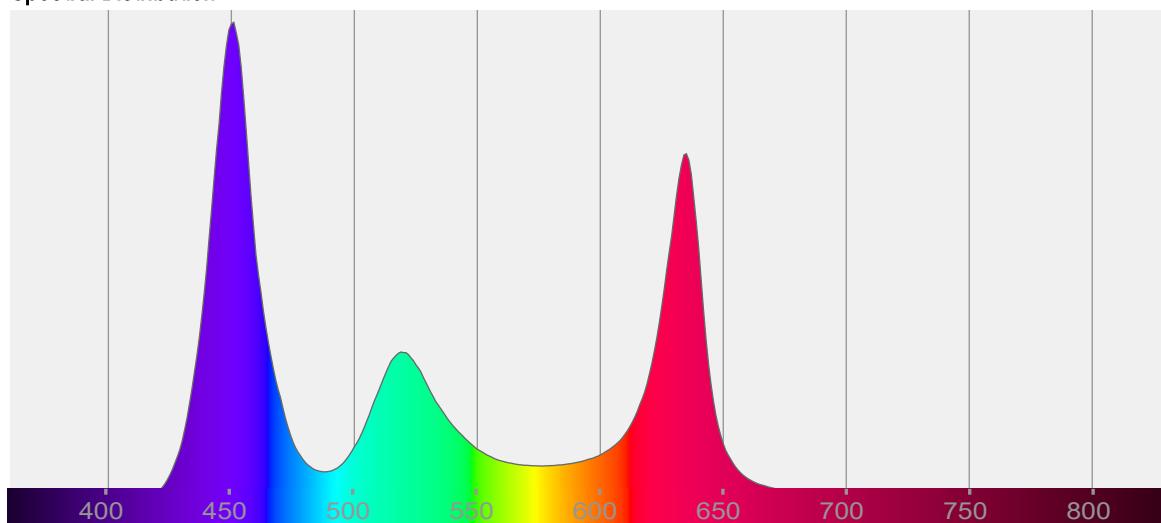
TM-30-18 Rg: 0.0

1<sup>st</sup> Dominant Wavelength: 451 nm

2<sup>nd</sup> Dominant Wavelength: 635 nm



### Spectral Distribution



### Tested Color

0 K

CIE 1931 Coordinates:  
X: 0.281 Y: 0.215

### Color Temperature

0 K

### Light Quality

CRI: 0.0

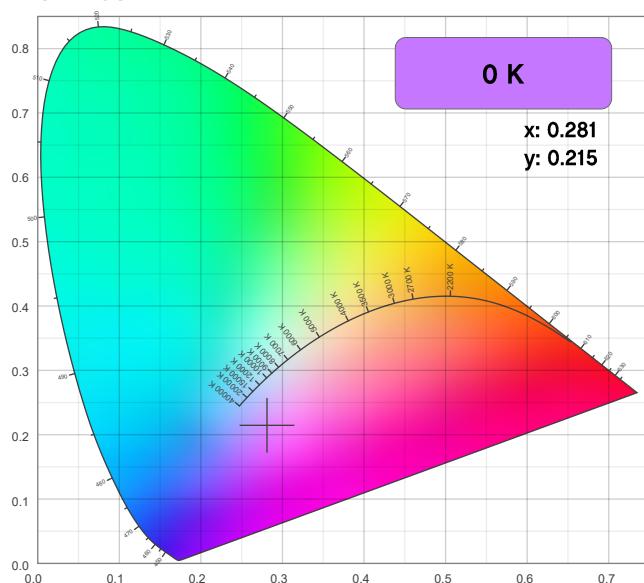
### Notes:

# Chromaticity Report

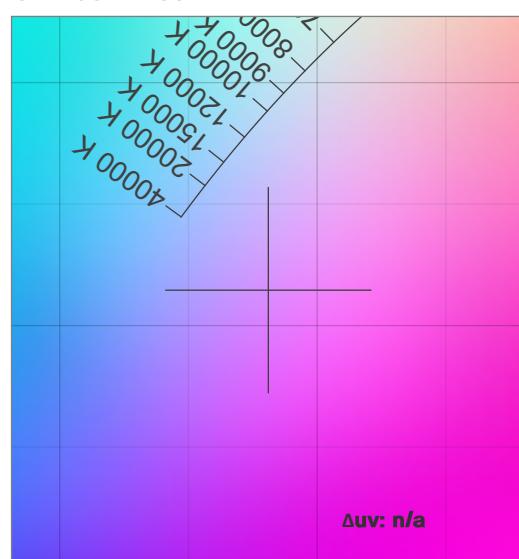
WELL Panel: RGBW

## Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |

## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 0 K               | 0.281                     | 0.215                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.215                     | 0.224                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| n/a                                   | 0.0            | 0.0         |

# Chromaticity Report

## **WELL Panel: RGBW**

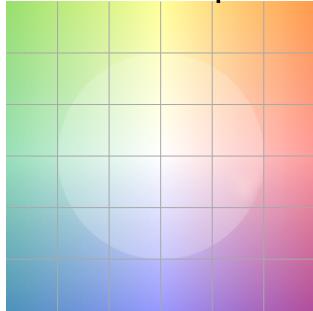
## TM-30-18 Details

# Rf 0.0

## Fidelity Index (Rg)

Rg 0.0

# Color Vector Graphic



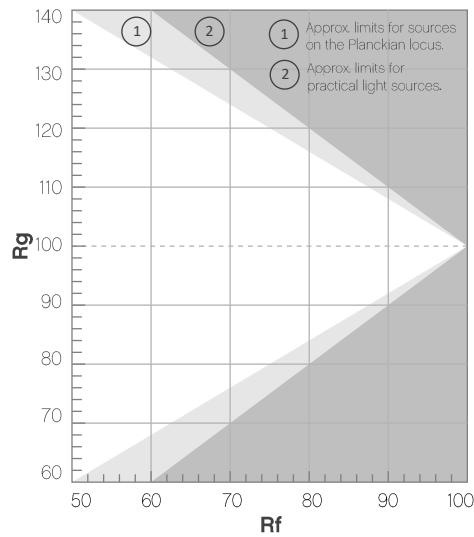
## Color Distortion Graphic



The graph displays a single data series representing the Fidelity Index (Rf) for each color sample. The Y-axis ranges from 0 to 100 with increments of 20. The X-axis lists 10 color samples: 1. Red, 2. Green, 3. Blue, 4. Magenta, 5. Cyan, 6. Yellow, 7. Black, 8. White, 9. Orange, and 10. Purple. The data points show varying levels of fidelity, with values ranging from approximately 70 to 95.

| Color Sample | Fidelity Index (Rf) |
|--------------|---------------------|
| 1. Red       | 95                  |
| 2. Green     | 70                  |
| 3. Blue      | 85                  |
| 4. Magenta   | 90                  |
| 5. Cyan      | 80                  |
| 6. Yellow    | 75                  |
| 7. Black     | 92                  |
| 8. White     | 98                  |
| 9. Orange    | 78                  |
| 10. Purple   | 82                  |

| Hue Bin | $R_f$ | Chroma Shift | Hue Shift |
|---------|-------|--------------|-----------|
| 1       | 0     | 0%           | 0%        |
| 2       | 0     | 0%           | 0%        |
| 3       | 0     | 0%           | 0%        |
| 4       | 0     | 0%           | 0%        |
| 5       | 0     | 0%           | 0%        |
| 6       | 0     | 0%           | 0%        |
| 7       | 0     | 0%           | 0%        |
| 8       | 0     | 0%           | 0%        |
| 9       | 0     | 0%           | 0%        |
| 10      | 0     | 0%           | 0%        |
| 11      | 0     | 0%           | 0%        |
| 12      | 0     | 0%           | 0%        |
| 13      | 0     | 0%           | 0%        |
| 14      | 0     | 0%           | 0%        |
| 15      | 0     | 0%           | 0%        |
| 16      | 0     | 0%           | 0%        |



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# Chromaticity Report

WELL Panel: RGBW

## Report Summary

### Measurements

Total Lumens: 2612 lm

Peak Intensity: 7034 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 0K

$\Delta u_v$ : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

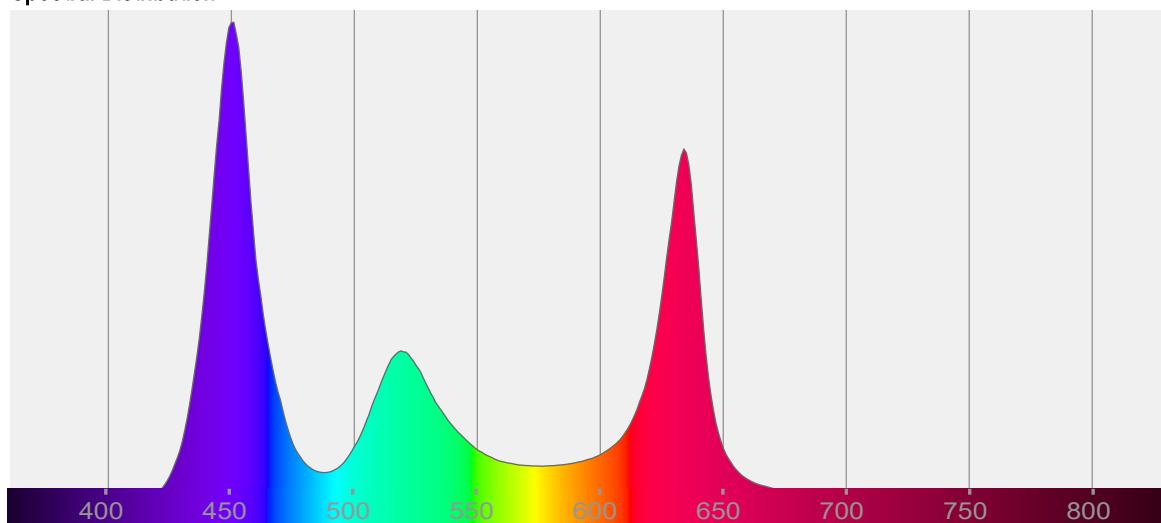
TM-30-18 Rg: 0.0

1<sup>st</sup> Dominant Wavelength: 451 nm

2<sup>nd</sup> Dominant Wavelength: 634 nm



### Spectral Distribution



#### Tested Color

0 K

CIE 1931 Coordinates:  
X: 0.282 Y: 0.215

#### Color Temperature

0 K

#### Light Quality

CRI: 0.0

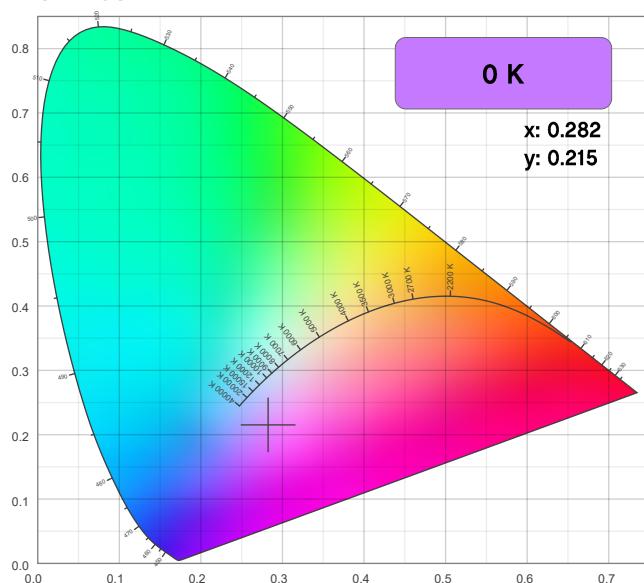
#### Notes:

# Chromaticity Report

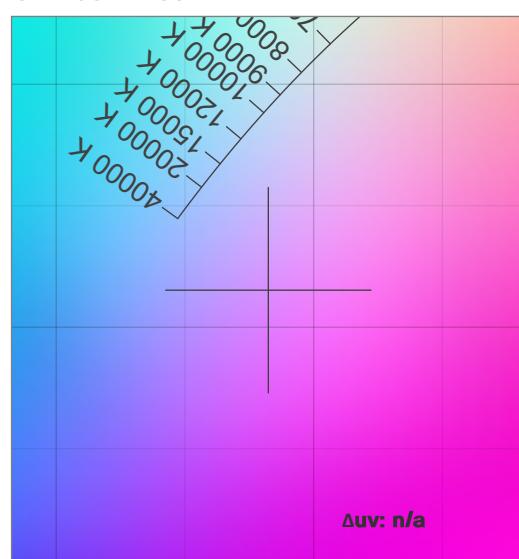
WELL Panel: RGBW

## Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |

### Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 0 K               | 0.282                     | 0.215                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.215                     | 0.225                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| n/a                                   | 0.0            | 0.0         |

# Chromaticity Report

## **WELL Panel: RGBW**

## TM-30-18 Details

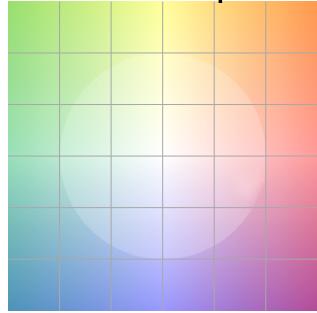
# Rf 0.0

## Fidelity Index (Rg)

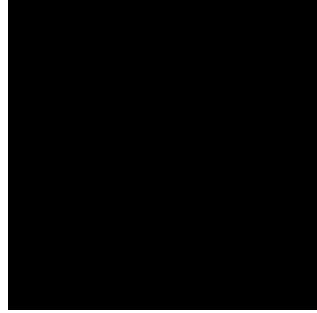
**Rg 0.0**

## Gamut Index (Rg)

## Color Vector Graphic



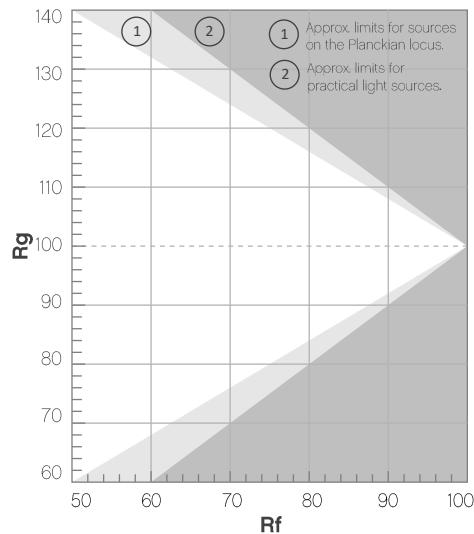
## Color Distortion Graphic



A line graph titled "Color Sample Fidelity" on the y-axis and "Time (min)" on the x-axis. The y-axis ranges from 0 to 100 with major grid lines every 20 units. The x-axis ranges from 0 to 100 with major grid lines every 20 units. A single data series is plotted as a solid blue line, starting at approximately (0, 10) and ending at approximately (100, 95). The line shows a steady upward trend with some minor fluctuations.

| Time (min) | Fidelity Index (Rf) |
|------------|---------------------|
| 0          | 10                  |
| 20         | 15                  |
| 40         | 25                  |
| 60         | 35                  |
| 80         | 45                  |
| 100        | 95                  |

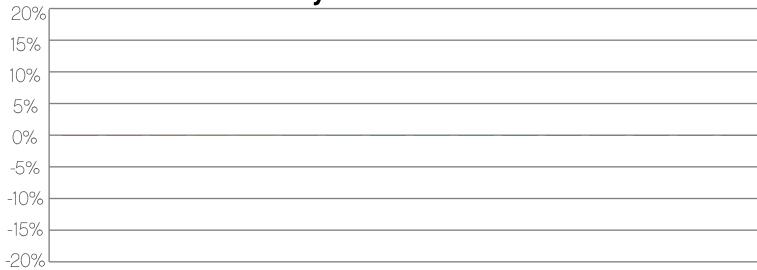
| Hue Bin | $R_f$ | Chroma Shift | Hue Shift |
|---------|-------|--------------|-----------|
| 1       | 0     | 0%           | 0%        |
| 2       | 0     | 0%           | 0%        |
| 3       | 0     | 0%           | 0%        |
| 4       | 0     | 0%           | 0%        |
| 5       | 0     | 0%           | 0%        |
| 6       | 0     | 0%           | 0%        |
| 7       | 0     | 0%           | 0%        |
| 8       | 0     | 0%           | 0%        |
| 9       | 0     | 0%           | 0%        |
| 10      | 0     | 0%           | 0%        |
| 11      | 0     | 0%           | 0%        |
| 12      | 0     | 0%           | 0%        |
| 13      | 0     | 0%           | 0%        |
| 14      | 0     | 0%           | 0%        |
| 15      | 0     | 0%           | 0%        |
| 16      | 0     | 0%           | 0%        |



Rf by Hue Bin



## Local Chroma Shift by Hue Bin



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# Chromaticity Report

WELL Panel: RGBW

## Report Summary

### Measurements

Total Lumens: 1625 lm

Peak Intensity: 4359 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 0K

$\Delta u_v$ : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

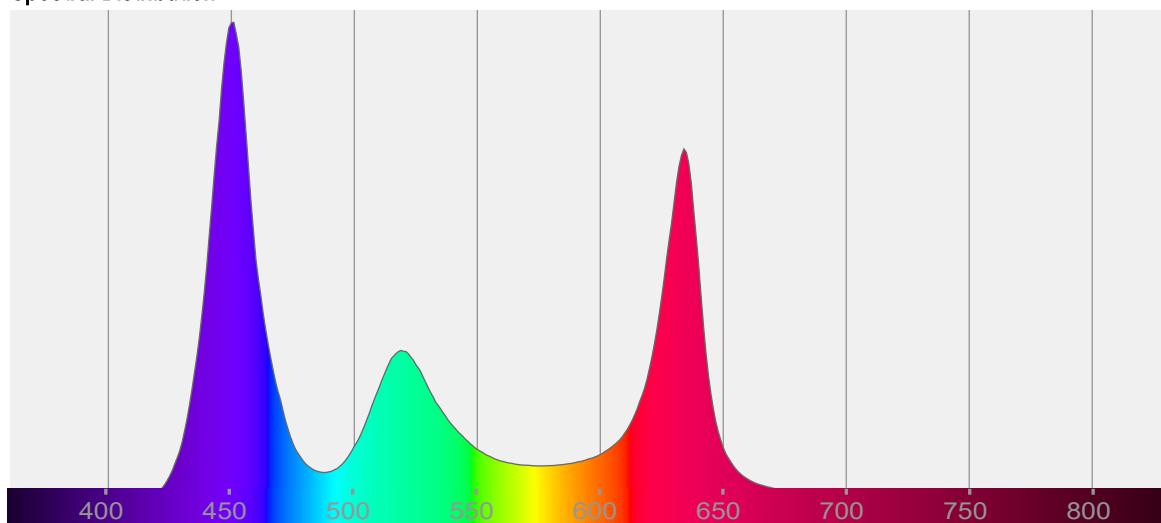
TM-30-18 Rg: 0.0

1<sup>st</sup> Dominant Wavelength: 451 nm

2<sup>nd</sup> Dominant Wavelength: 634 nm



### Spectral Distribution



### Tested Color

0 K

CIE 1931 Coordinates:

X: 0.282 Y: 0.216

### Color Temperature

0 K

### Light Quality

CRI: 0.0

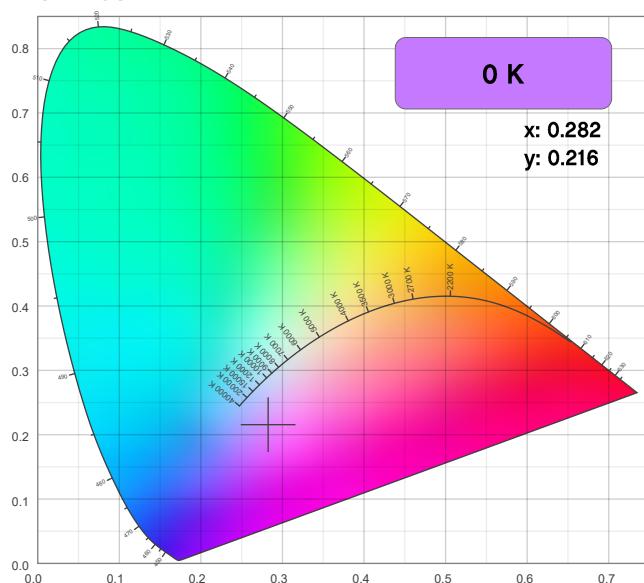
### Notes:

# Chromaticity Report

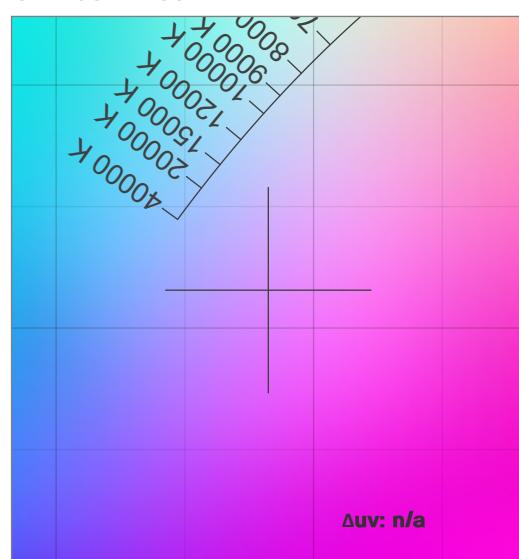
WELL Panel: RGBW

## Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |

### Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 0 K               | 0.282                     | 0.216                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.216                     | 0.225                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| n/a                                   | 0.0            | 0.0         |

# Chromaticity Report

WELL Panel: RGBW

## TM-30-18 Details

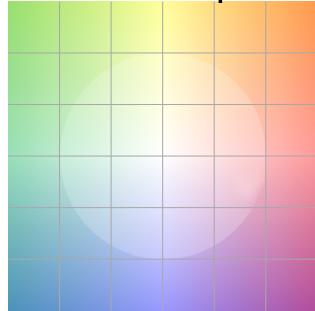
**Rf 0.0**

Fidelity Index  
(Rg)

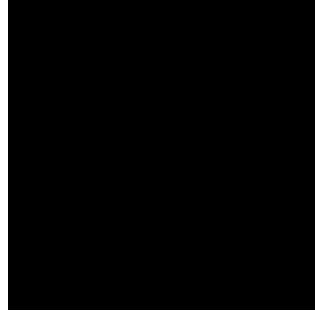
**Rg 0.0**

Gamut Index (Rg)

Color Vector Graphic



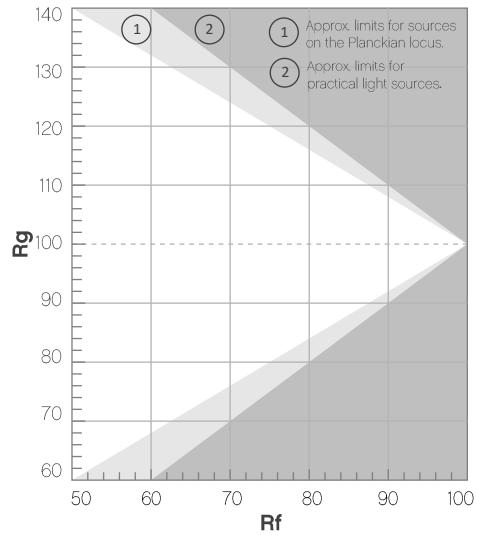
Color Distortion Graphic



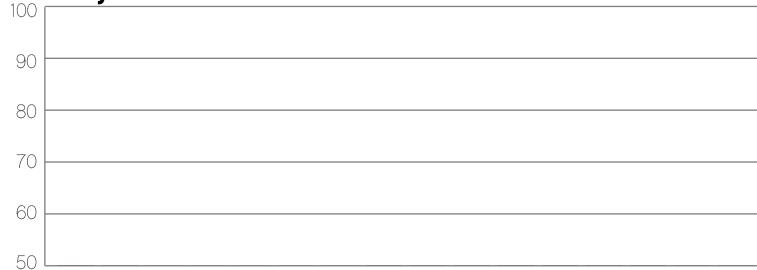
Color Sample Fidelity



| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 0              | 0%           | 0%        |
| 2       | 0              | 0%           | 0%        |
| 3       | 0              | 0%           | 0%        |
| 4       | 0              | 0%           | 0%        |
| 5       | 0              | 0%           | 0%        |
| 6       | 0              | 0%           | 0%        |
| 7       | 0              | 0%           | 0%        |
| 8       | 0              | 0%           | 0%        |
| 9       | 0              | 0%           | 0%        |
| 10      | 0              | 0%           | 0%        |
| 11      | 0              | 0%           | 0%        |
| 12      | 0              | 0%           | 0%        |
| 13      | 0              | 0%           | 0%        |
| 14      | 0              | 0%           | 0%        |
| 15      | 0              | 0%           | 0%        |
| 16      | 0              | 0%           | 0%        |



Rf by Hue Bin



Local Chroma Shift by Hue Bin



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# Chromaticity Report

WELL Panel: RGBW

## Report Summary

### Measurements

Total Lumens: 1076 lm

Peak Intensity: 2879 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 34685K

$\Delta u_v$ : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: 31

TM-30-18 Rf: 0.0

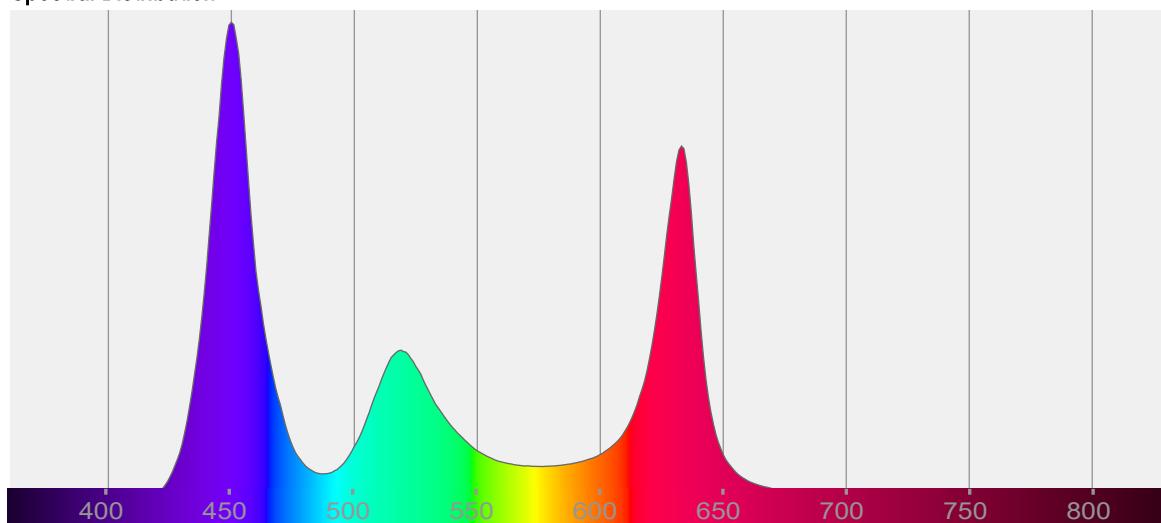
TM-30-18 Rg: 0.0

1<sup>st</sup> Dominant Wavelength: 450 nm

2<sup>nd</sup> Dominant Wavelength: 633 nm



### Spectral Distribution



#### Tested Color

34685 K

CIE 1931 Coordinates:

X: 0.285 Y: 0.216

#### Color Temperature

34685 K

#### Light Quality

CRI: 0.0

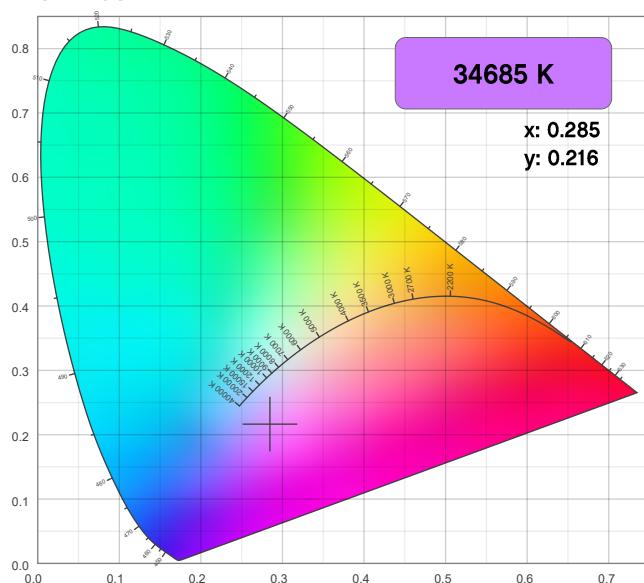
#### Notes:

# Chromaticity Report

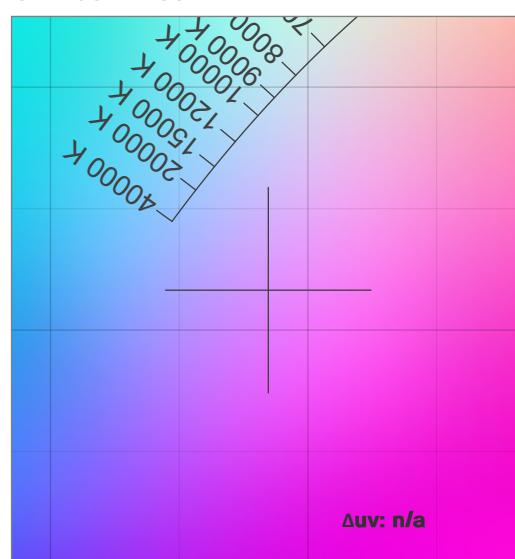
WELL Panel: RGBW

## Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |

### Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 34685 K           | 0.285                     | 0.216                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.216                     | 0.000                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 31                                    | 0.0            | 0.0         |

# Chromaticity Report

## **WELL Panel: RGBW**

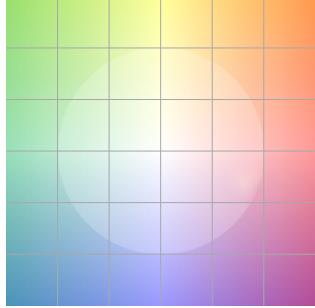
## TM-30-18 Details

# Rf 0.0

## Fidelity Index (Rg)

Rg 0.0

# Color Vector Graphic



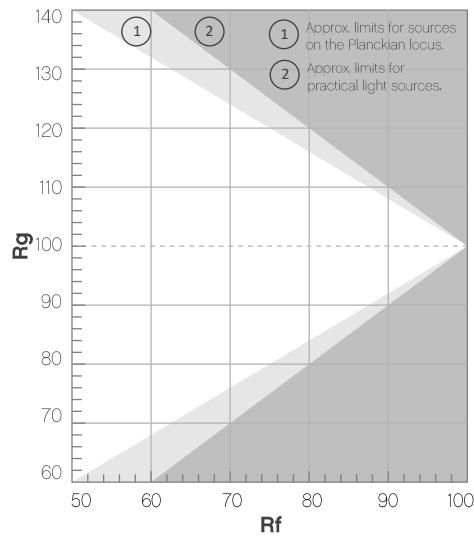
## Color Distortion Graphic



A bar chart titled "Color Sample Fidelity". The vertical axis is labeled "Fidelity Index (RF)" and ranges from 0 to 100 in increments of 20. The horizontal axis lists color samples: Red, Orange, Yellow, Green, Cyan, Magenta, and Black. Each sample has a corresponding blue bar representing its Fidelity Index.

| Color Sample | Fidelity Index (RF) |
|--------------|---------------------|
| Red          | 85                  |
| Orange       | 78                  |
| Yellow       | 82                  |
| Green        | 75                  |
| Cyan         | 70                  |
| Magenta      | 68                  |
| Black        | 65                  |

| Hue Bin | $R_f$ | Chroma Shift | Hue Shift |
|---------|-------|--------------|-----------|
| 1       | 0     | 0%           | 0%        |
| 2       | 0     | 0%           | 0%        |
| 3       | 0     | 0%           | 0%        |
| 4       | 0     | 0%           | 0%        |
| 5       | 0     | 0%           | 0%        |
| 6       | 0     | 0%           | 0%        |
| 7       | 0     | 0%           | 0%        |
| 8       | 0     | 0%           | 0%        |
| 9       | 0     | 0%           | 0%        |
| 10      | 0     | 0%           | 0%        |
| 11      | 0     | 0%           | 0%        |
| 12      | 0     | 0%           | 0%        |
| 13      | 0     | 0%           | 0%        |
| 14      | 0     | 0%           | 0%        |
| 15      | 0     | 0%           | 0%        |
| 16      | 0     | 0%           | 0%        |



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# Chromaticity Report

WELL Panel: Warm white Only

## Report Summary

### Measurements

Total Lumens: 3309 lm

Peak Intensity: 8750 cd

Fixture Efficacy: 16 lm/W

Correlated Color Temperature: 3171K

$\Delta u_v$ : 0.0019

CRI: 79.4 CRI R9 Value: 0.2

CQS: 79.3

TLCI: 62

TM-30-18 Rf: 79.3

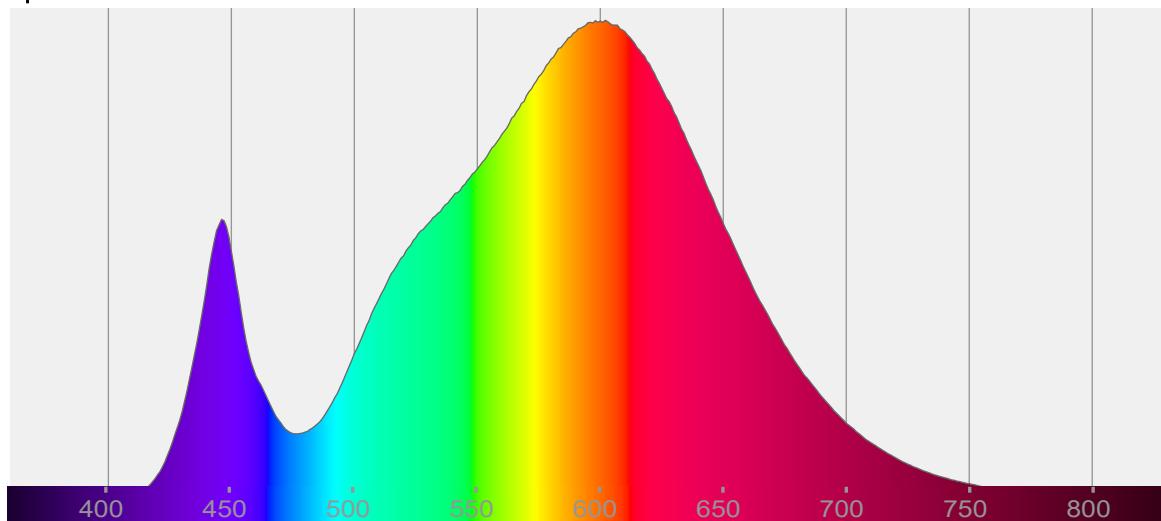
TM-30-18 Rg: 97.5

1<sup>st</sup> Dominant Wavelength: 602 nm

2<sup>nd</sup> Dominant Wavelength: 446 nm



### Spectral Distribution



#### Tested Color

3171 K

CIE 1931 Coordinates:

X: 0.428 Y: 0.406

#### Color Temperature

3171 K

#### Light Quality

CRI: 79.4

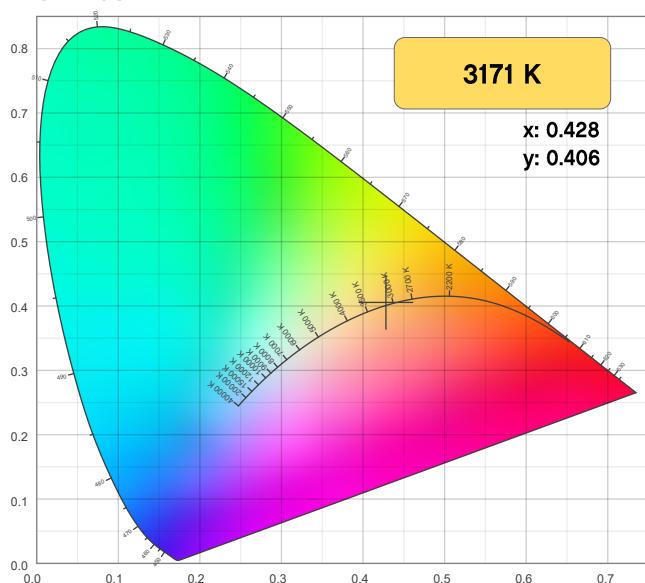
#### Notes:

# Chromaticity Report

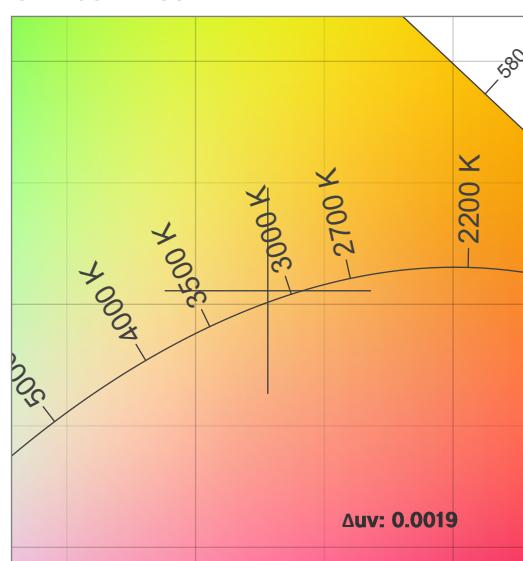
WELL Panel: Warm white Only

## Chromaticity

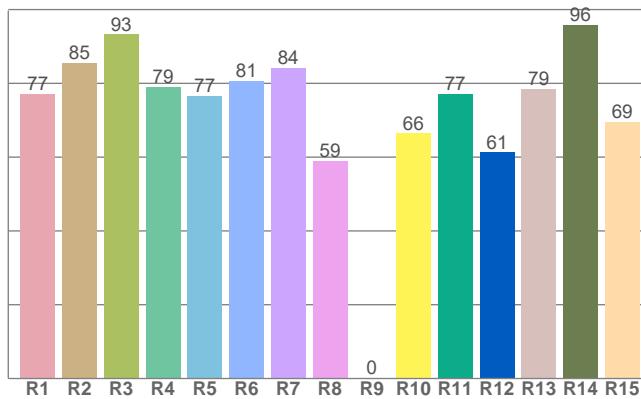
CIE 1931



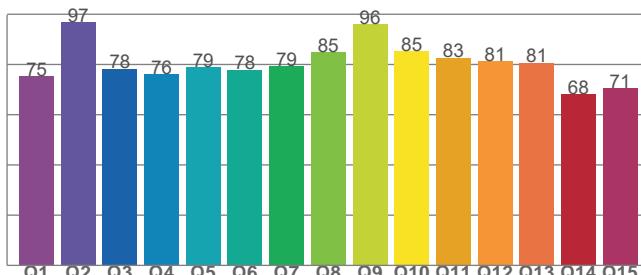
CIE 1931 - Zoom



CRI: 79.4 (R1-R8)



CQS: 79.3



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3171 K            | 0.428                     | 0.406                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| 0.0019                                | 0.406                     | 0.244                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 79.4                  | 0.2           | 79.3                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 62                                    | 79.3           | 97.5        |

# Chromaticity Report

**WELL Panel:** Warm white Only

## TM-30-18 Details

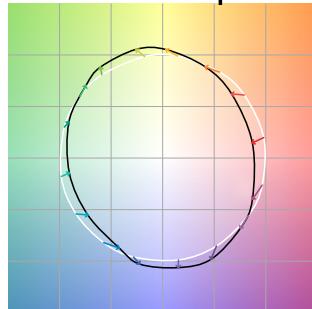
**Rf 79.3**

Fidelity Index  
(Rg)

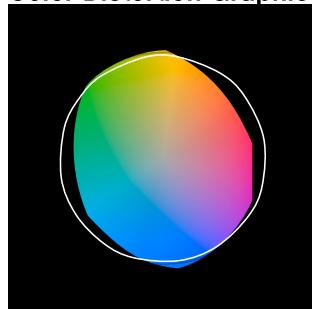
**Rg 97.5**

Gamut Index (Rg)

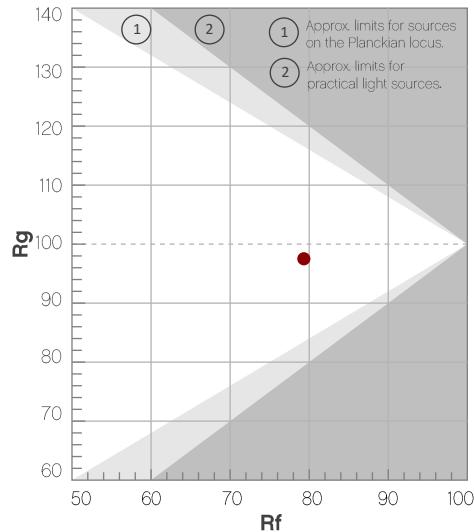
Color Vector Graphic



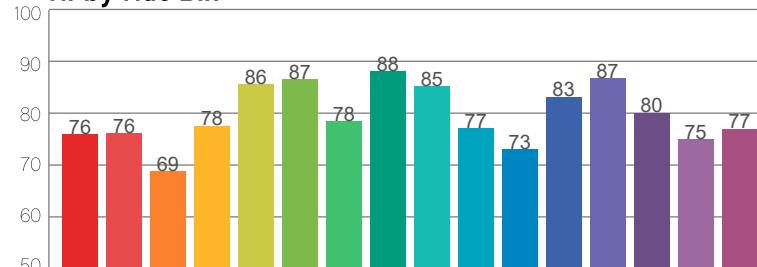
Color Distortion Graphic



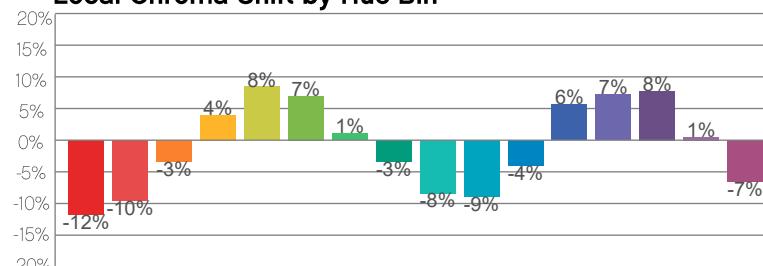
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 76             | -12%         | -3%       |
| 2       | 76             | -10%         | 8%        |
| 3       | 69             | -3%          | 14%       |
| 4       | 78             | 4%           | 12%       |
| 5       | 86             | 8%           | 7%        |
| 6       | 87             | 7%           | -3%       |
| 7       | 78             | 1%           | -12%      |
| 8       | 88             | -3%          | -6%       |
| 9       | 85             | -8%          | -2%       |
| 10      | 77             | -9%          | 7%        |
| 11      | 73             | -4%          | 15%       |
| 12      | 83             | 6%           | 7%        |
| 13      | 87             | 7%           | -2%       |
| 14      | 80             | 8%           | -12%      |
| 15      | 75             | 1%           | -15%      |
| 16      | 77             | -7%          | -15%      |



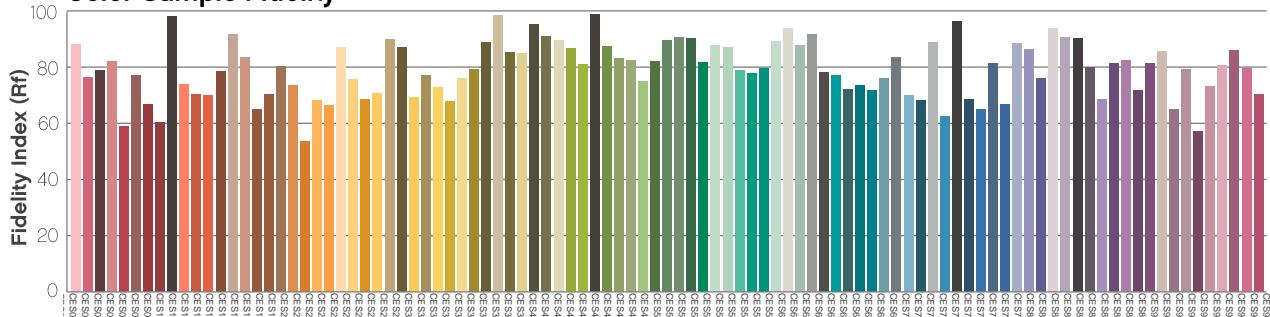
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: Warm white Only

## Report Summary

### Measurements

Total Lumens: 3378 lm

Peak Intensity: 8909 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 3171K

$\Delta u_v$ : 0.0021

CRI: 79.5 CRI R9 Value: 0.4

CQS: 79.3

TLCI: 62

TM-30-18 Rf: 79.3

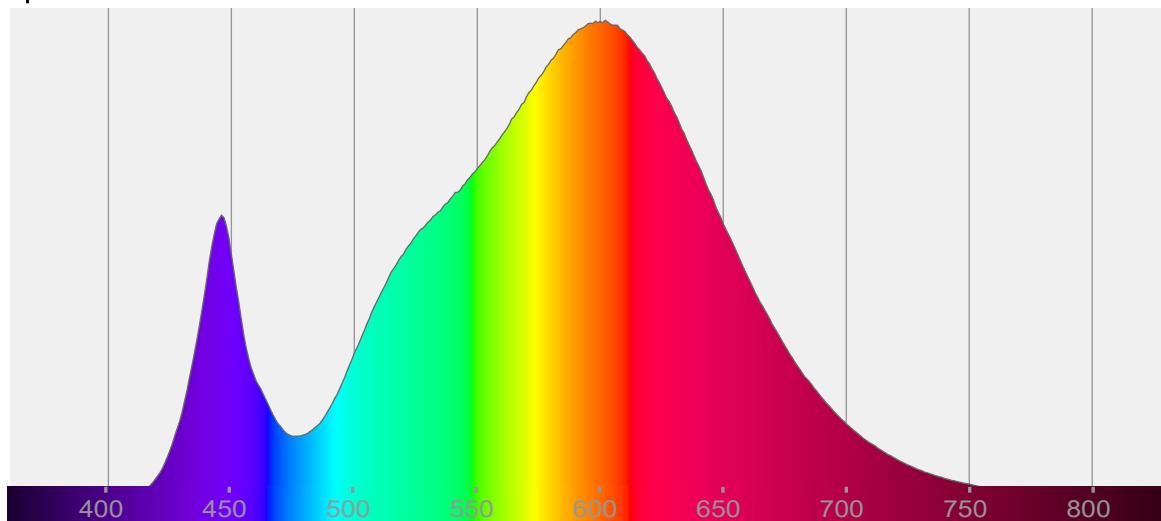
TM-30-18 Rg: 97.6

1<sup>st</sup> Dominant Wavelength: 602 nm

2<sup>nd</sup> Dominant Wavelength: 446 nm



### Spectral Distribution



#### Tested Color

3171 K

CIE 1931 Coordinates:

X: 0.428 Y: 0.406

#### Color Temperature

3171 K

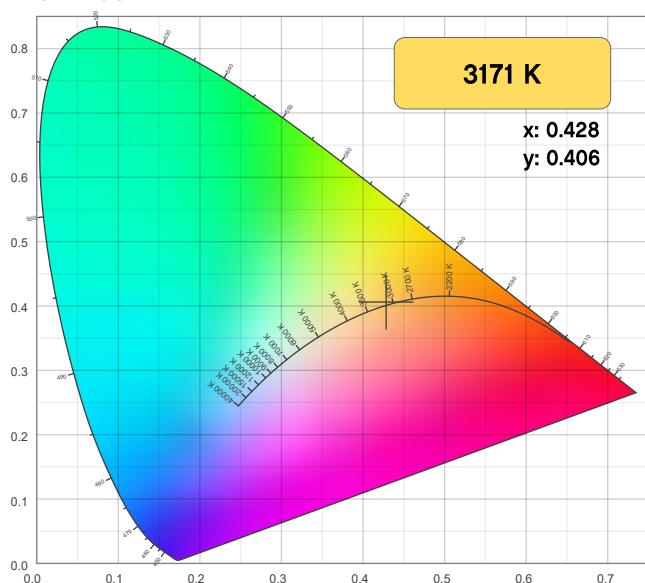
#### Notes:

# Chromaticity Report

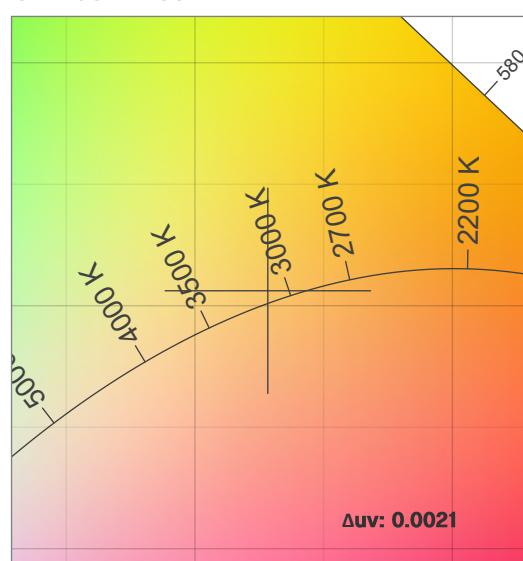
WELL Panel: Warm white Only

## Chromaticity

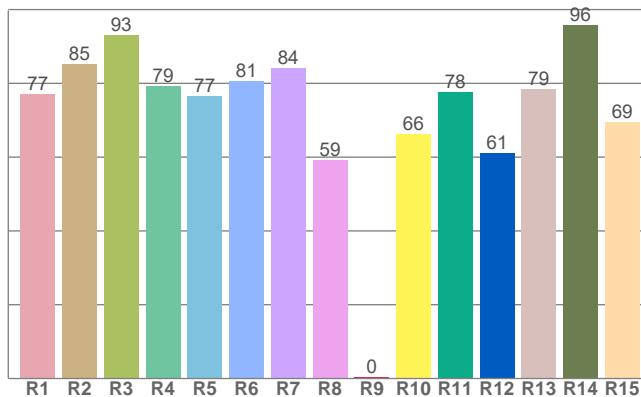
CIE 1931



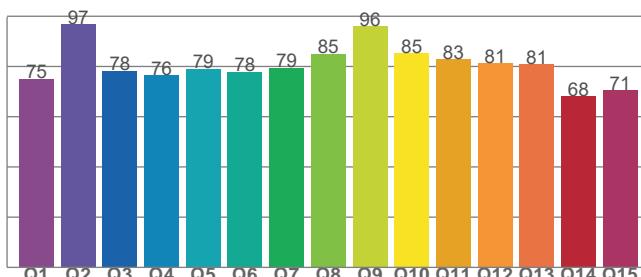
CIE 1931 - Zoom



CRI: 79.5 (R1-R8)



CQS: 79.3



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3171 K            | 0.428                     | 0.406                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| 0.0021                                | 0.406                     | 0.244                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 79.5                  | 0.4           | 79.3                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 62                                    | 79.3           | 97.6        |

# Chromaticity Report

**WELL Panel:** Warm white Only

## TM-30-18 Details

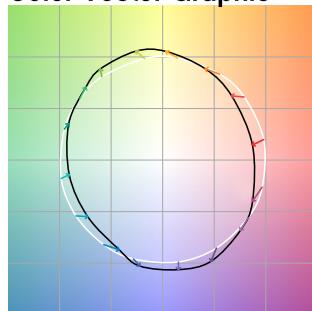
**Rf 79.3**

Fidelity Index  
(Rg)

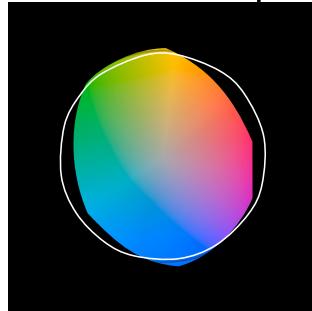
**Rg 97.6**

Gamut Index (Rg)

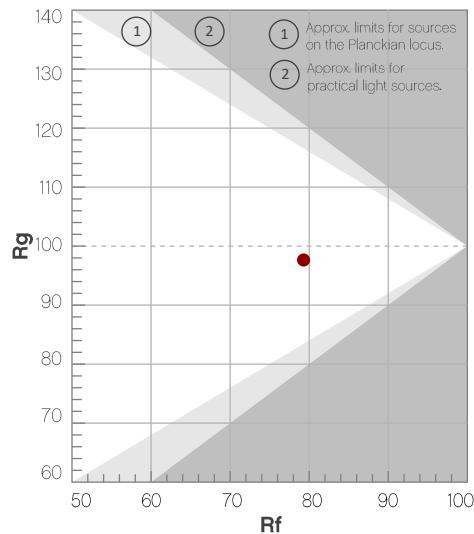
Color Vector Graphic



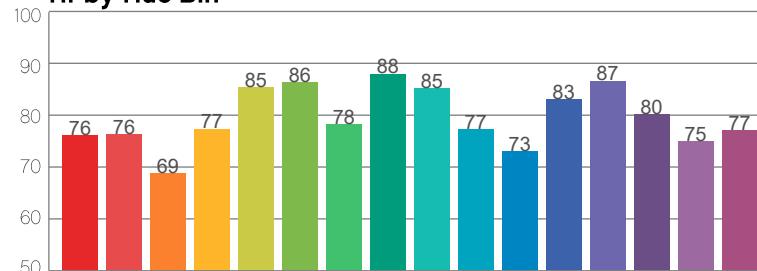
Color Distortion Graphic



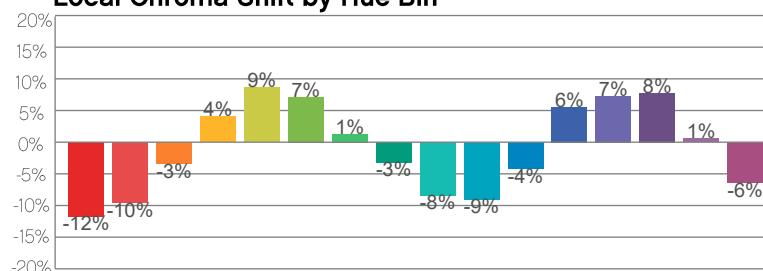
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 76             | -12%         | -3%       |
| 2       | 76             | -10%         | 8%        |
| 3       | 69             | -3%          | 14%       |
| 4       | 77             | 4%           | 12%       |
| 5       | 85             | 9%           | 7%        |
| 6       | 86             | 7%           | -3%       |
| 7       | 78             | 1%           | -12%      |
| 8       | 88             | -3%          | -6%       |
| 9       | 85             | -8%          | -2%       |
| 10      | 77             | -9%          | 7%        |
| 11      | 73             | -4%          | 15%       |
| 12      | 83             | 6%           | 7%        |
| 13      | 87             | 7%           | -2%       |
| 14      | 80             | 8%           | -12%      |
| 15      | 75             | 1%           | -15%      |
| 16      | 77             | -6%          | -15%      |



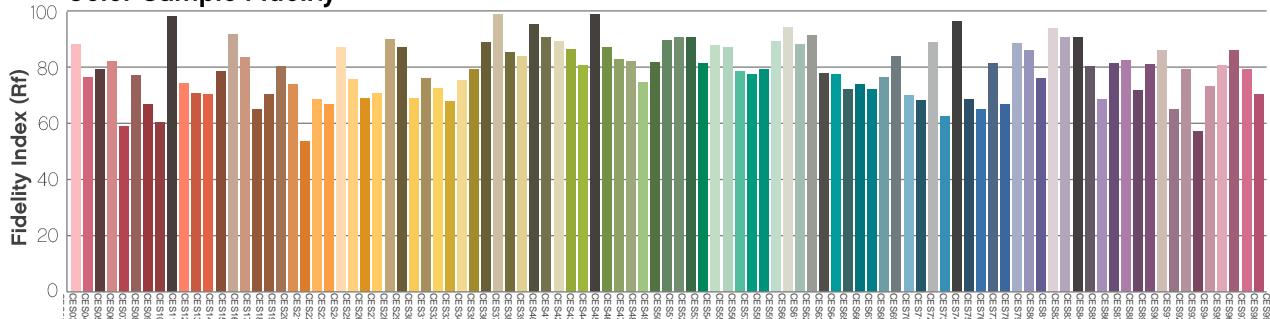
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: Warm white Only

## Report Summary

### Measurements

Total Lumens: 3311 lm

Peak Intensity: 8756 cd

Fixture Efficacy: 11 lm/W

Correlated Color Temperature: 3170K

$\Delta u_v$ : 0.0019

CRI: 79.4 CRI R9 Value: 0.3

CQS: 79.3

TLCI: 62

TM-30-18 Rf: 79.3

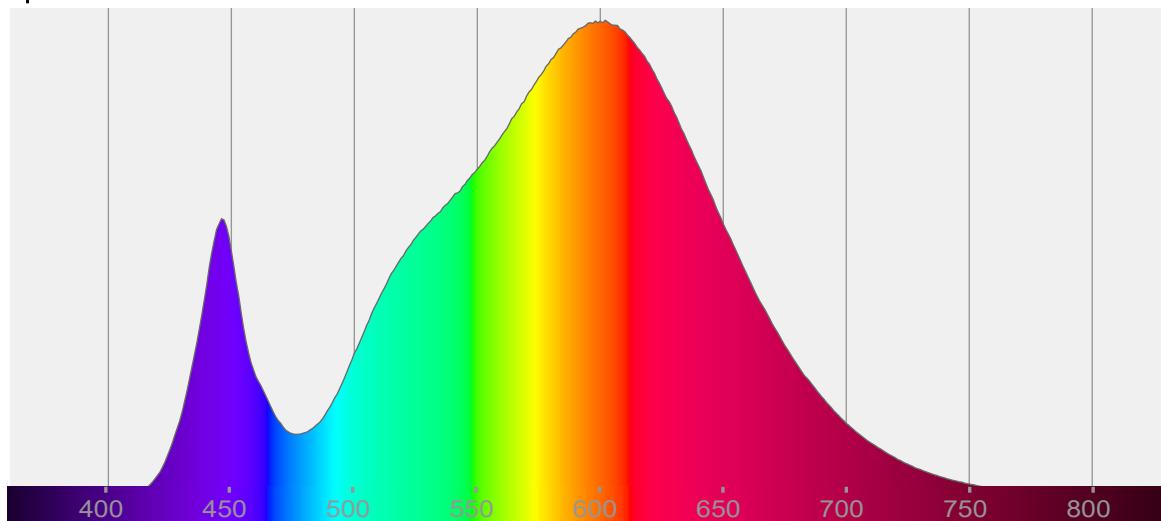
TM-30-18 Rg: 97.6

1<sup>st</sup> Dominant Wavelength: 602 nm

2<sup>nd</sup> Dominant Wavelength: 446 nm



### Spectral Distribution



#### Tested Color

3170 K

CIE 1931 Coordinates:

X: 0.428 Y: 0.406

#### Color Temperature

3170 K

#### Light Quality

CRI: 79.4

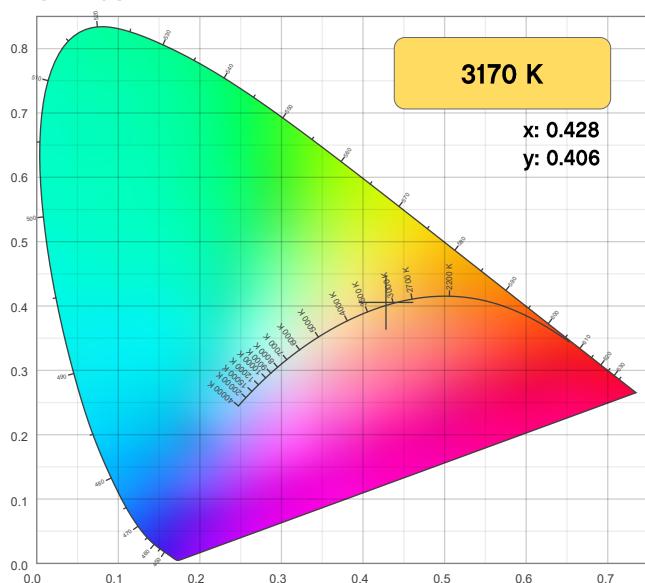
#### Notes:

# Chromaticity Report

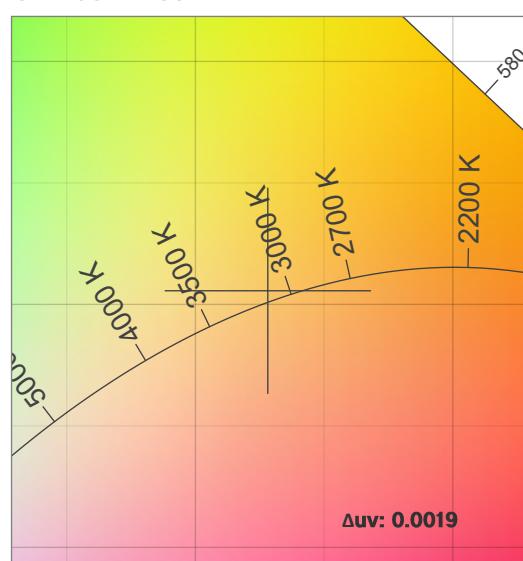
WELL Panel: Warm white Only

## Chromaticity

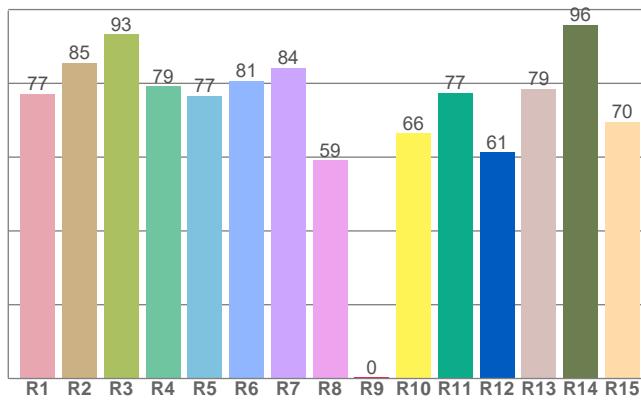
CIE 1931



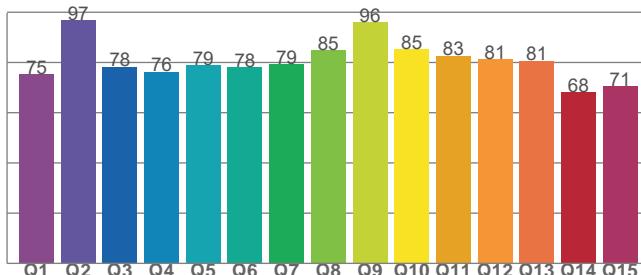
CIE 1931 - Zoom



CRI: 79.4 (R1-R8)



CQS: 79.3



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT<br>3170 K     | $x: 0.428$                | $y: 0.406$                |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta u_v$<br>0.0019                | $y: 0.406$                | $u: 0.244$                |

| Color Rendering Index | Red Component   | Color Quality Scale |
|-----------------------|-----------------|---------------------|
| CRI<br>79.4           | CRI - R9<br>0.3 | CQS<br>79.3         |

| Television Lighting Consistency Index | Color Fidelity        | Color Gamut         |
|---------------------------------------|-----------------------|---------------------|
| TLCI<br>62                            | TM-30-18 - Rf<br>79.3 | TM-30-18 Rg<br>97.6 |

# Chromaticity Report

**WELL Panel:** Warm white Only

## TM-30-18 Details

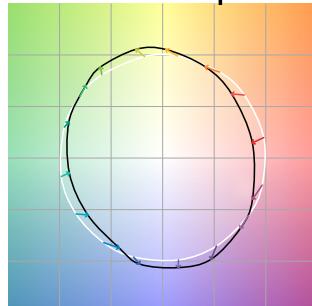
**Rf 79.3**

Fidelity Index  
(Rg)

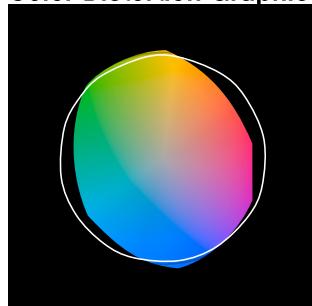
**Rg 97.6**

Gamut Index (Rg)

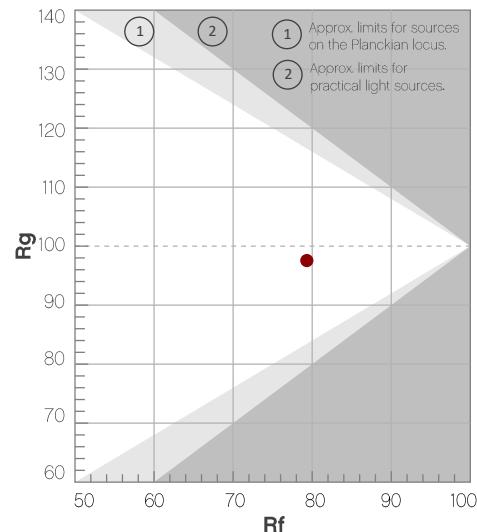
Color Vector Graphic



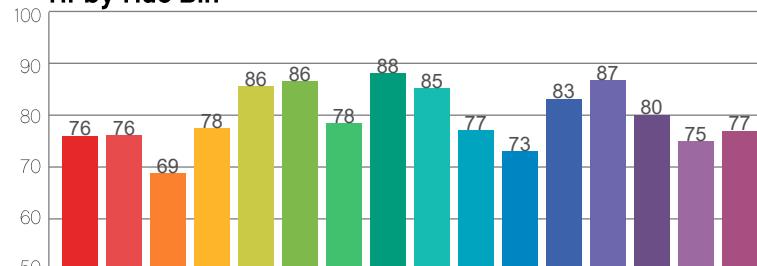
Color Distortion Graphic



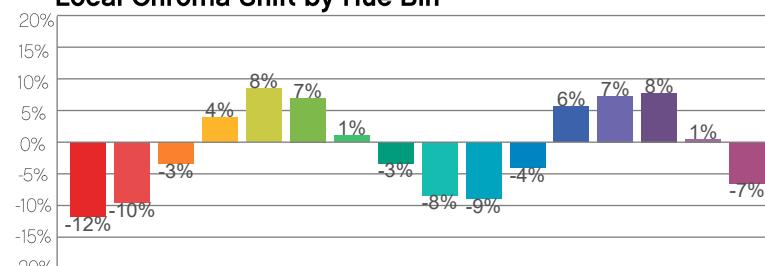
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 76             | -12%         | -3%       |
| 2       | 76             | -10%         | 8%        |
| 3       | 69             | -3%          | 14%       |
| 4       | 78             | 4%           | 12%       |
| 5       | 86             | 8%           | 7%        |
| 6       | 86             | 7%           | -3%       |
| 7       | 78             | 1%           | -12%      |
| 8       | 88             | -3%          | -6%       |
| 9       | 85             | -8%          | -2%       |
| 10      | 77             | -9%          | 7%        |
| 11      | 73             | -4%          | 15%       |
| 12      | 83             | 6%           | 7%        |
| 13      | 87             | 7%           | -2%       |
| 14      | 80             | 8%           | -12%      |
| 15      | 75             | 1%           | -15%      |
| 16      | 77             | -7%          | -15%      |



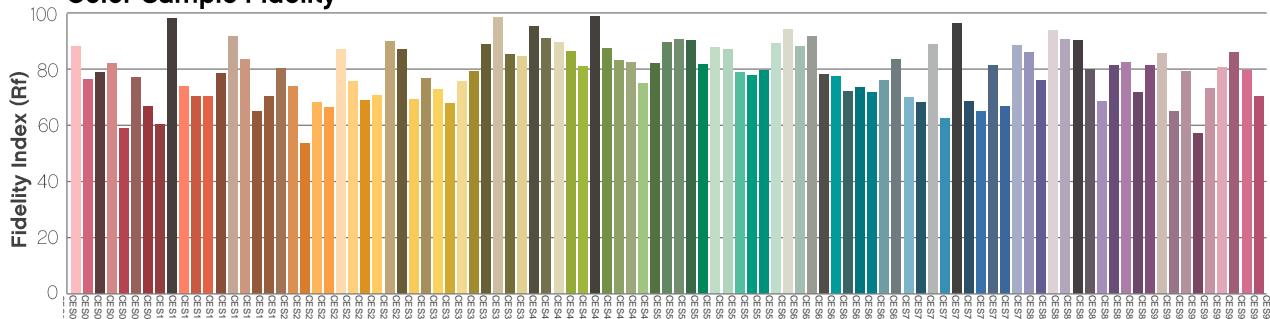
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: Warm white Only

## Report Summary

### Measurements

Total Lumens: 1702 lm

Peak Intensity: 4505 cd

Fixture Efficacy: 11 lm/W

Correlated Color Temperature: 3170K

$\Delta u_v$ : 0.0024

CRI: 79.7 CRI R9 Value: 1.3

CQS: 79.6

TLCI: 62

TM-30-18 Rf: 79.6

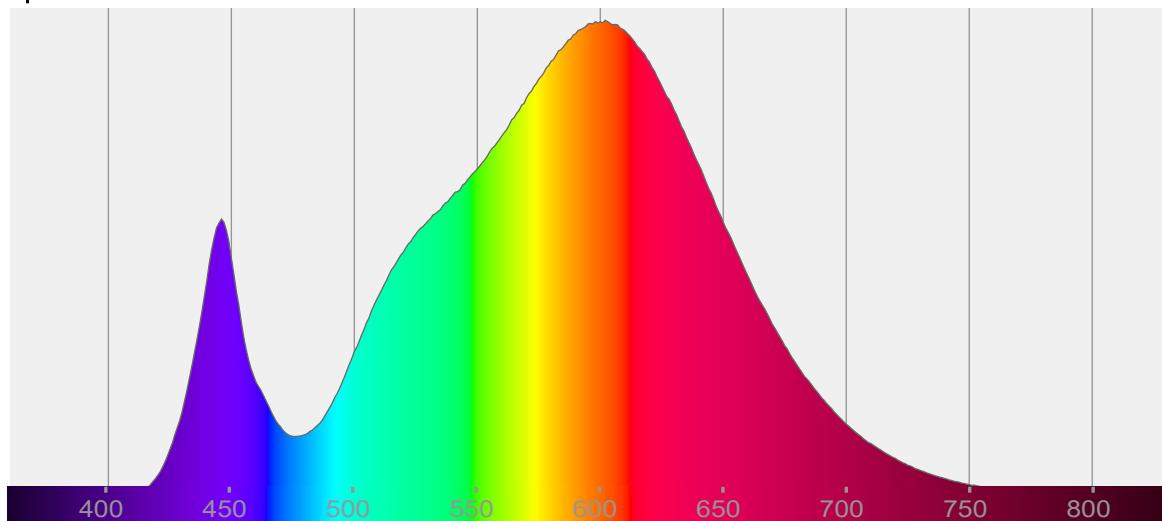
TM-30-18 Rg: 97.7

1<sup>st</sup> Dominant Wavelength: 602 nm

2<sup>nd</sup> Dominant Wavelength: 446 nm



### Spectral Distribution



#### Tested Color

3170 K

CIE 1931 Coordinates:

X: 0.429 Y: 0.407

#### Color Temperature

3170 K

#### Light Quality

CRI: 79.7

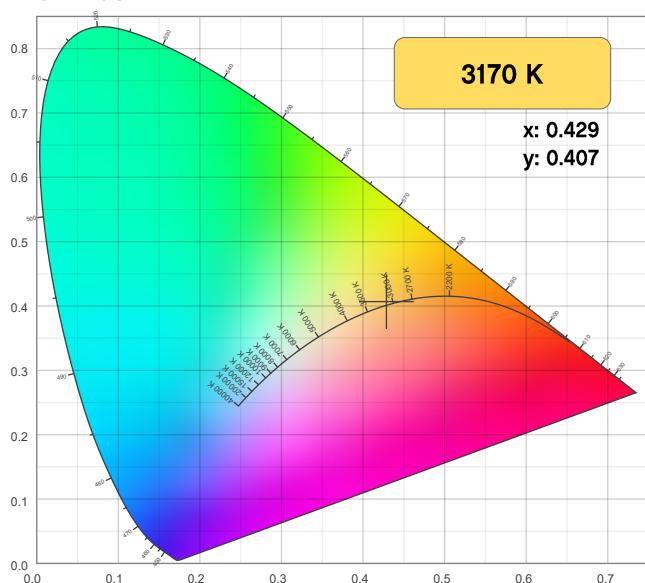
#### Notes:

# Chromaticity Report

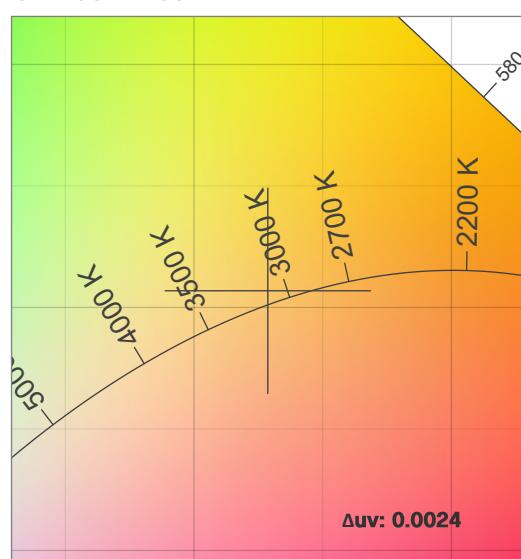
WELL Panel: Warm white Only

## Chromaticity

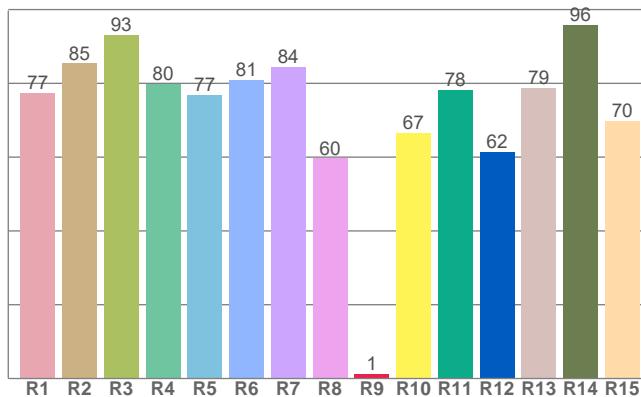
CIE 1931



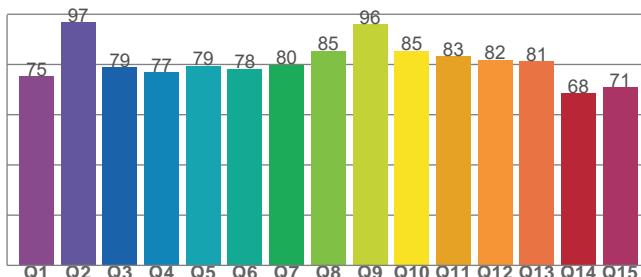
CIE 1931 - Zoom



CRI: 79.7 (R1-R8)



CQS: 79.6



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3170 K            | 0.429                     | 0.407                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| 0.0024                                | 0.407                     | 0.244                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 79.7                  | 1.3           | 79.6                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 62                                    | 79.6           | 97.7        |

# Chromaticity Report

**WELL Panel:** Warm white Only

## TM-30-18 Details

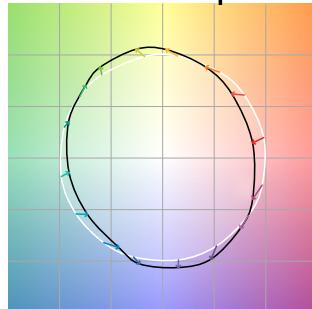
**Rf 79.6**

Fidelity Index  
(Rg)

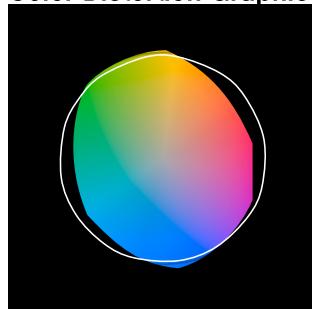
**Rg 97.7**

Gamut Index (Rg)

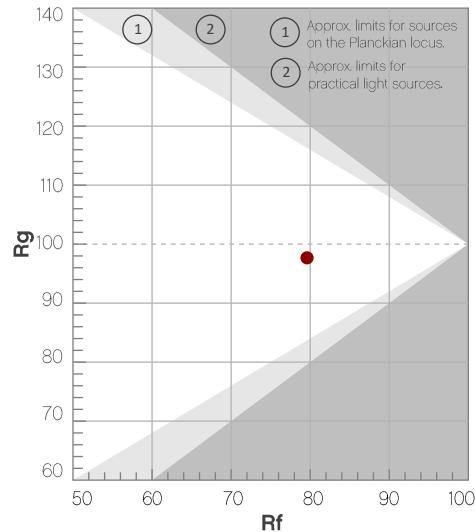
Color Vector Graphic



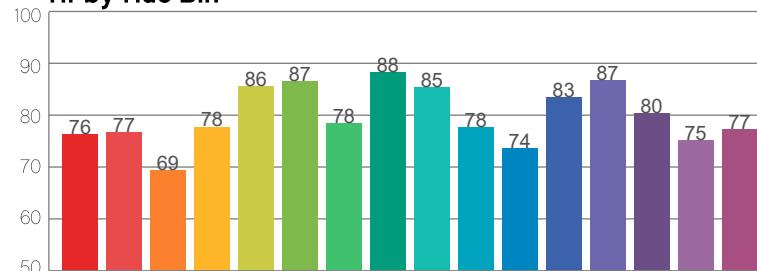
Color Distortion Graphic



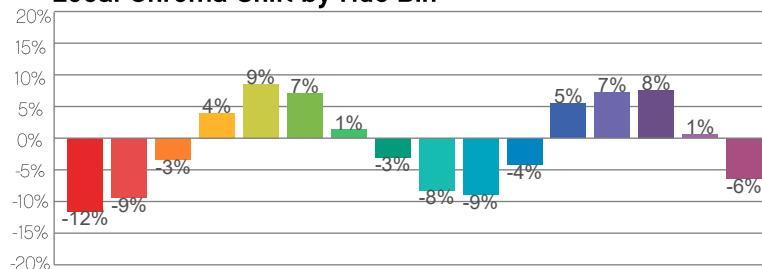
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 76             | -12%         | -3%       |
| 2       | 77             | -9%          | 8%        |
| 3       | 69             | -3%          | 14%       |
| 4       | 78             | 4%           | 12%       |
| 5       | 86             | 9%           | 7%        |
| 6       | 87             | 7%           | -3%       |
| 7       | 78             | 1%           | -12%      |
| 8       | 88             | -3%          | -6%       |
| 9       | 85             | -8%          | -2%       |
| 10      | 78             | -9%          | 7%        |
| 11      | 74             | -4%          | 15%       |
| 12      | 83             | 5%           | 7%        |
| 13      | 87             | 7%           | -2%       |
| 14      | 80             | 8%           | -12%      |
| 15      | 75             | 1%           | -14%      |
| 16      | 77             | -6%          | -15%      |



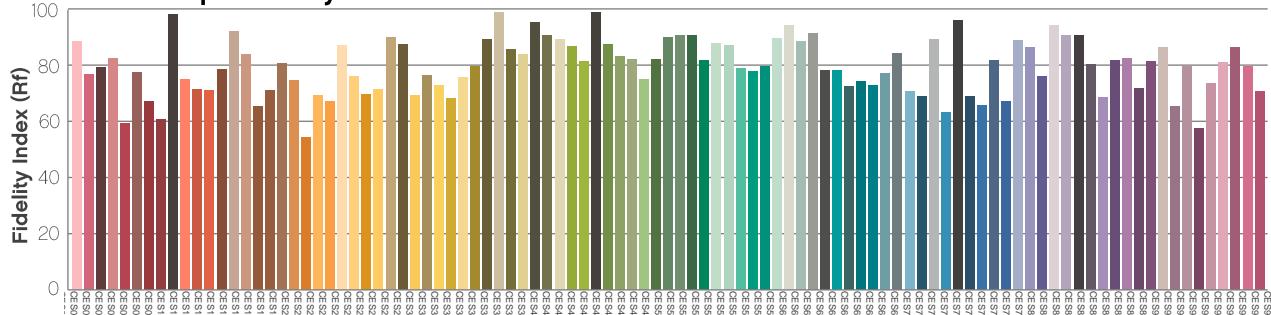
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: Warm white Only

## Report Summary

### Measurements

Total Lumens: 1072 lm

Peak Intensity: 2840 cd

Fixture Efficacy: 6.1 lm/W

Correlated Color Temperature: 3173K

$\Delta u_v$ : 0.0026

CRI: 79.8 CRI R9 Value: 1.8

CQS: 79.8

TLCI: 63

TM-30-18 Rf: 79.7

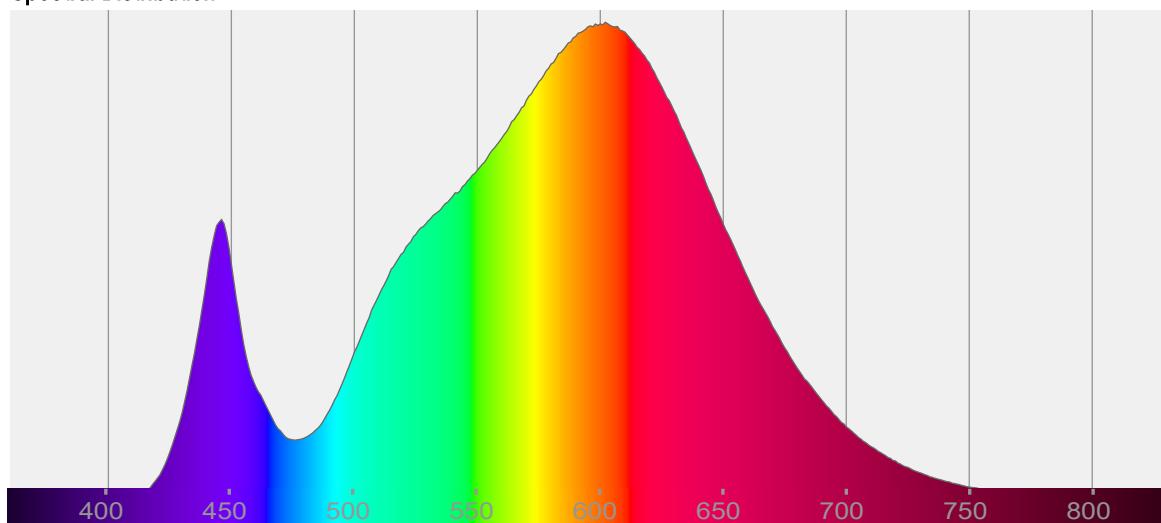
TM-30-18 Rg: 97.8

1<sup>st</sup> Dominant Wavelength: 602 nm

2<sup>nd</sup> Dominant Wavelength: 446 nm



### Spectral Distribution



#### Tested Color

3173 K

CIE 1931 Coordinates:

X: 0.429 Y: 0.408

#### Color Temperature

3173 K

#### Light Quality

CRI: 79.8

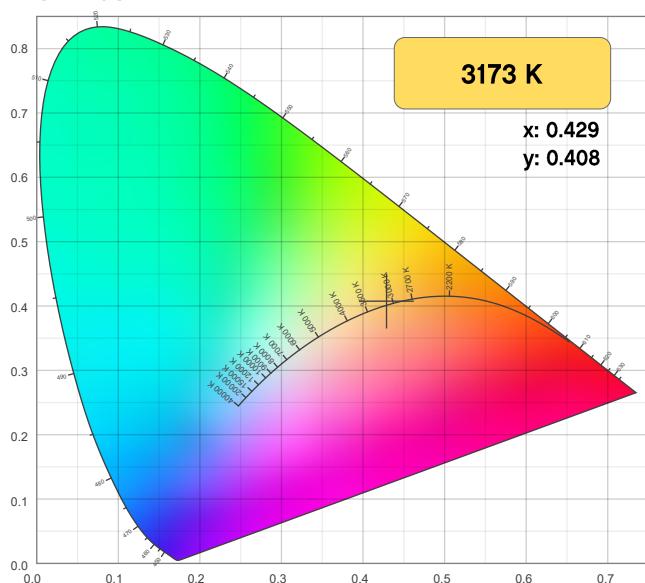
#### Notes:

# Chromaticity Report

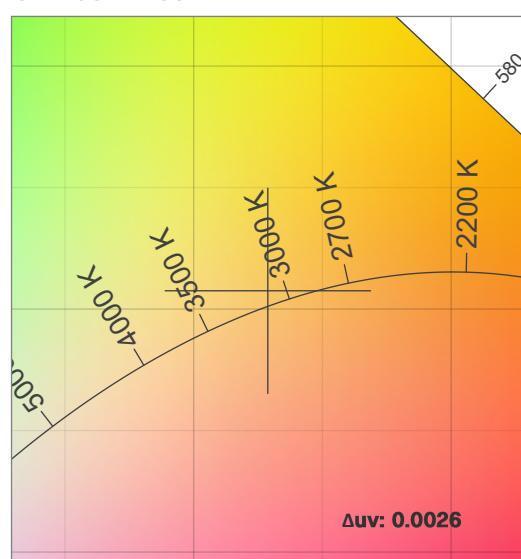
WELL Panel: Warm white Only

## Chromaticity

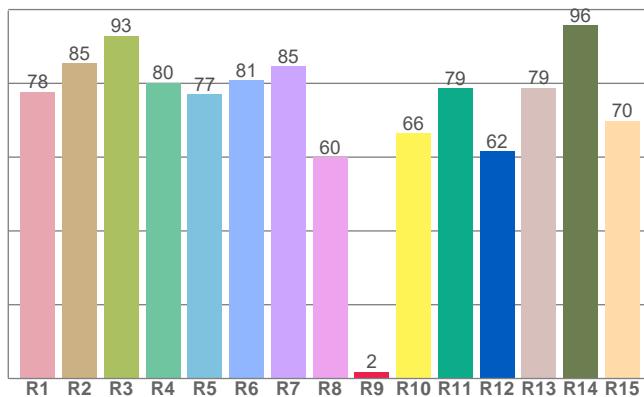
CIE 1931



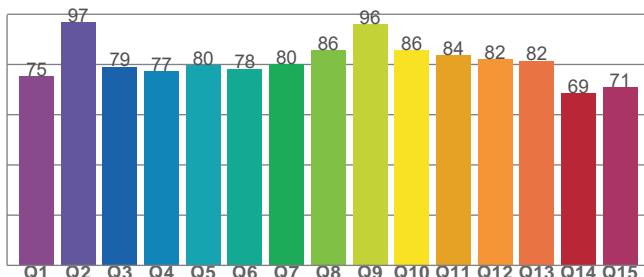
CIE 1931 - Zoom



CRI: 79.8 (R1-R8)



CQS: 79.8



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3173 K            | 0.429                     | 0.408                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta Uv$                           | y                         | u                         |
| 0.0026                                | 0.408                     | 0.244                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 79.8                  | 1.8           | 79.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 63                                    | 79.7           | 97.8        |

# Chromaticity Report

**WELL Panel:** Warm white Only

## TM-30-18 Details

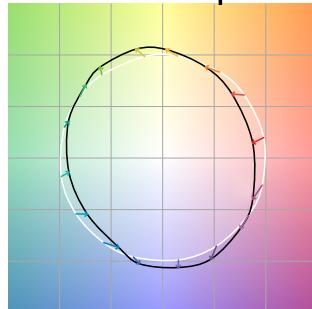
**Rf 79.7**

Fidelity Index  
(Rg)

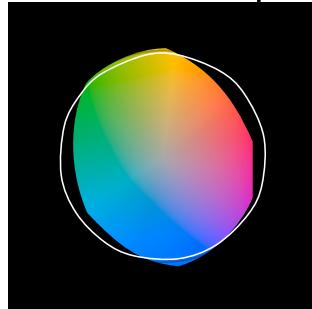
**Rg 97.8**

Gamut Index (Rg)

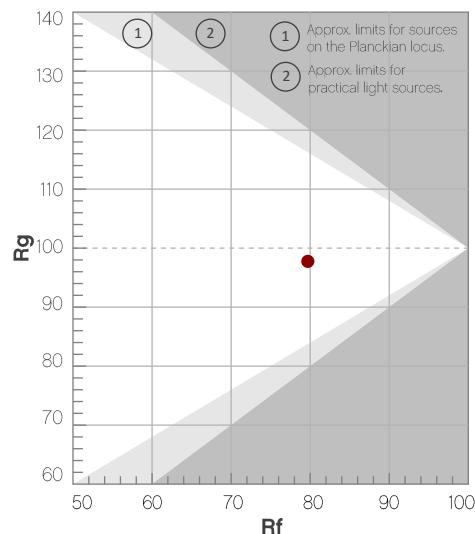
Color Vector Graphic



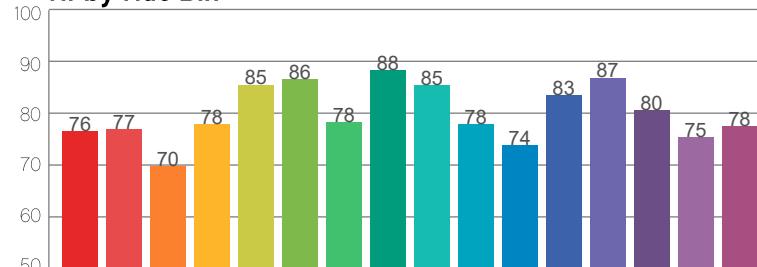
Color Distortion Graphic



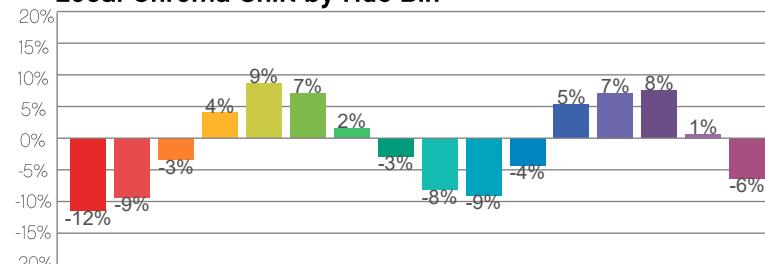
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 76             | -12%         | -3%       |
| 2       | 77             | -9%          | 7%        |
| 3       | 70             | -3%          | 14%       |
| 4       | 78             | 4%           | 12%       |
| 5       | 85             | 9%           | 7%        |
| 6       | 86             | 7%           | -3%       |
| 7       | 78             | 2%           | -12%      |
| 8       | 88             | -3%          | -6%       |
| 9       | 85             | -8%          | -2%       |
| 10      | 78             | -9%          | 6%        |
| 11      | 74             | -4%          | 15%       |
| 12      | 83             | 5%           | 7%        |
| 13      | 87             | 7%           | -2%       |
| 14      | 80             | 8%           | -11%      |
| 15      | 75             | 1%           | -14%      |
| 16      | 78             | -6%          | -15%      |



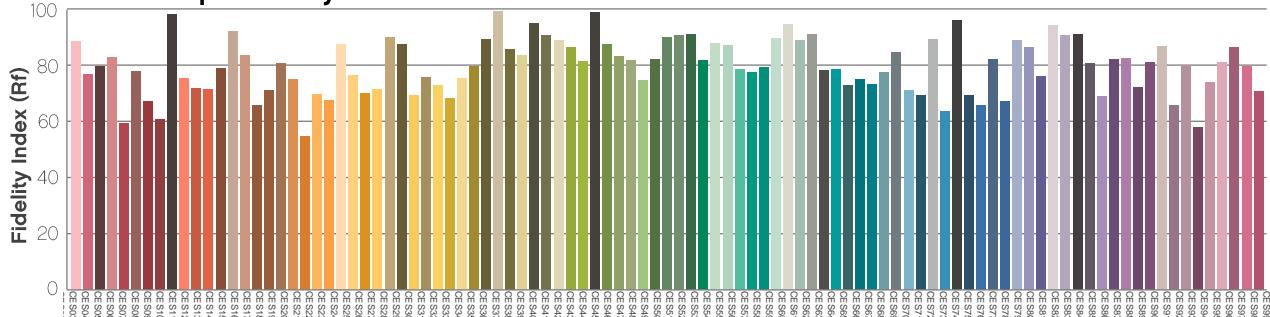
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: Warm white Only

## Report Summary

### Measurements

Total Lumens: 697 lm

Peak Intensity: 1845 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 3174K

$\Delta u_v$ : 0.0028

CRI: 79.9 CRI R9 Value: 2.0

CQS: 79.9

TLCI: 63

TM-30-18 Rf: 79.8

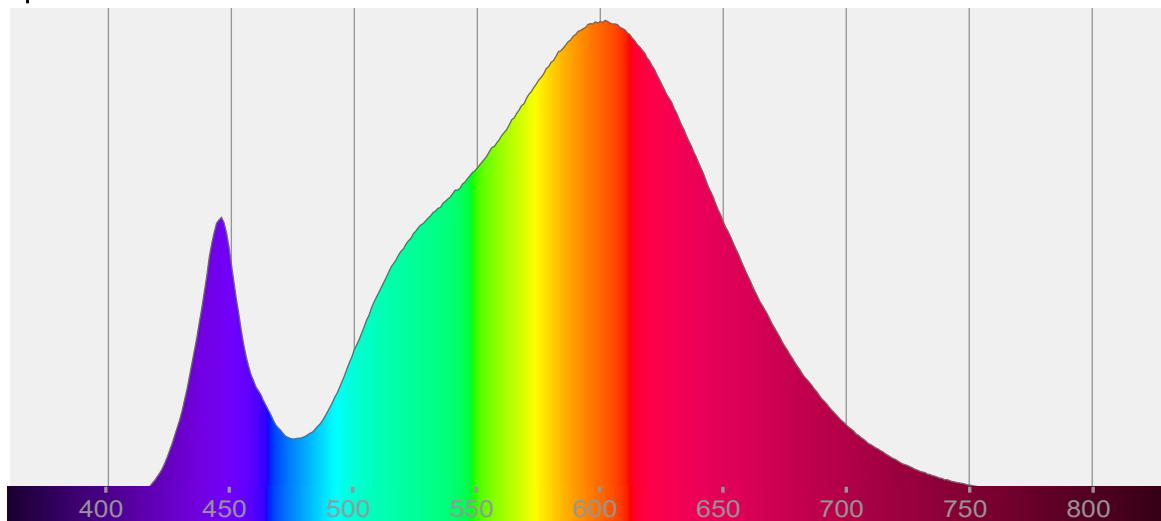
TM-30-18 Rg: 97.8

1<sup>st</sup> Dominant Wavelength: 602 nm

2<sup>nd</sup> Dominant Wavelength: 446 nm



### Spectral Distribution



#### Tested Color

3174 K

CIE 1931 Coordinates:

X: 0.429 Y: 0.408

#### Color Temperature

3174 K

#### Light Quality

CRI: 79.9

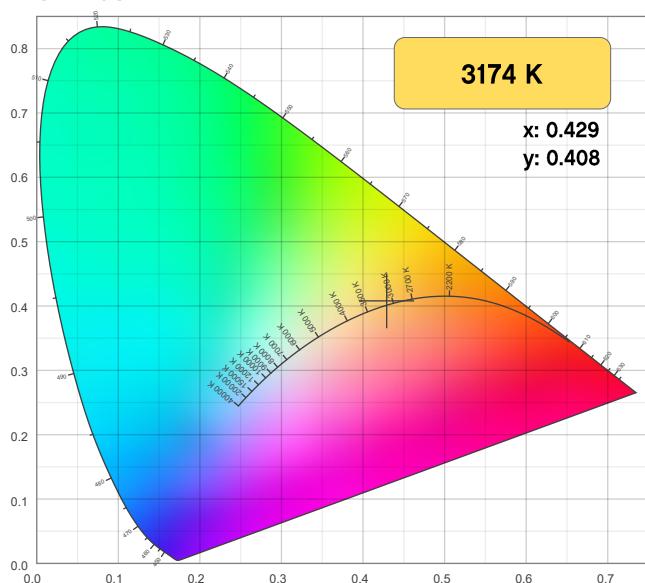
#### Notes:

# Chromaticity Report

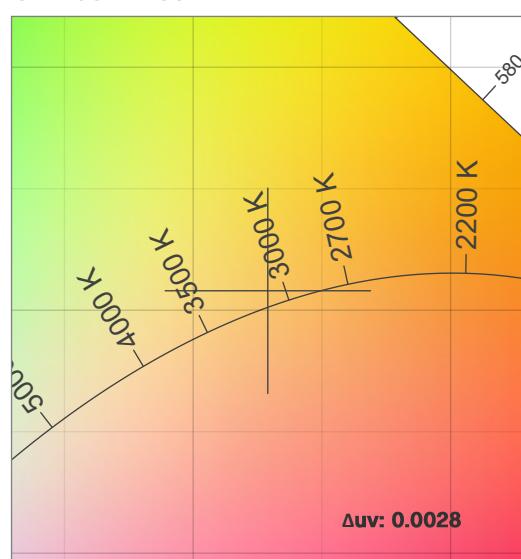
WELL Panel: Warm white Only

## Chromaticity

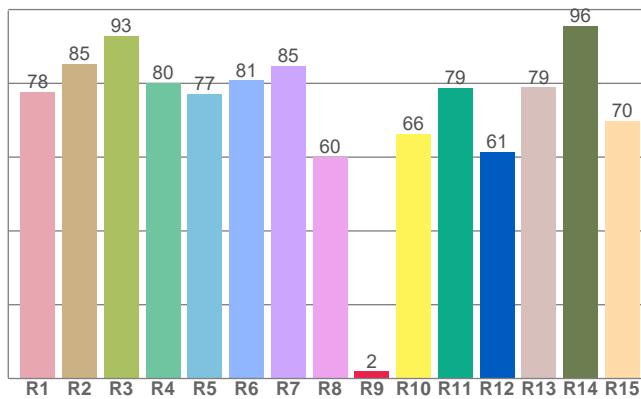
CIE 1931



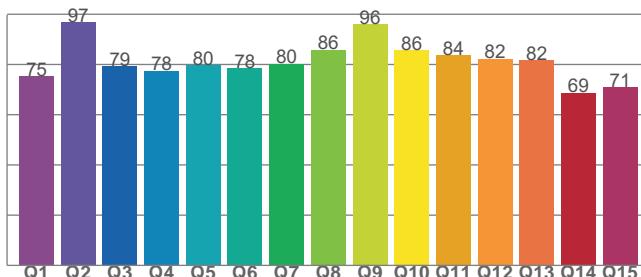
CIE 1931 - Zoom



**CRI: 79.9 (R1-R8)**



**CQS: 79.9**



**Color Parameters**

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| 3174 K            | x: 0.429                  | y: 0.408                  |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta u'v'$                         | y: 0.408                  | u: 0.244                  |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI: 79.9             | CRI - R9: 2.0 | CQS: 79.9           |

| Television Lighting Consistency Index | Color Fidelity      | Color Gamut       |
|---------------------------------------|---------------------|-------------------|
| TLCI: 63                              | TM-30-18 - Rf: 79.8 | TM-30-18 Rg: 97.8 |

# Chromaticity Report

**WELL Panel:** Warm white Only

## TM-30-18 Details

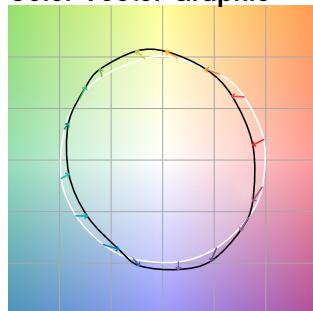
**Rf 79.8**

Fidelity Index  
(Rg)

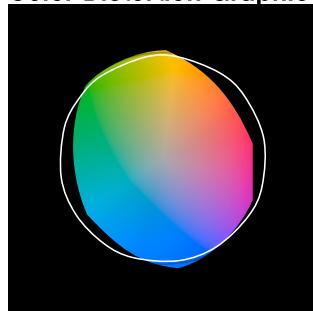
**Rg 97.8**

Gamut Index (Rg)

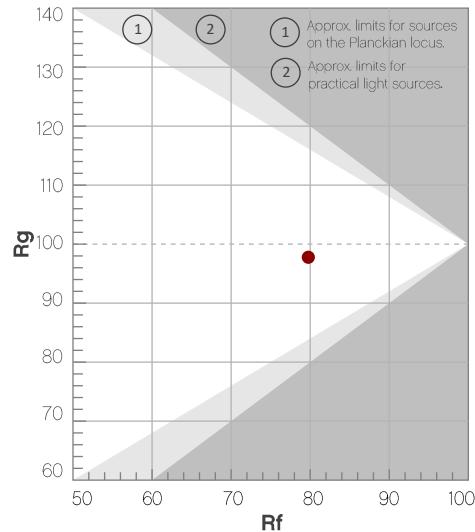
Color Vector Graphic



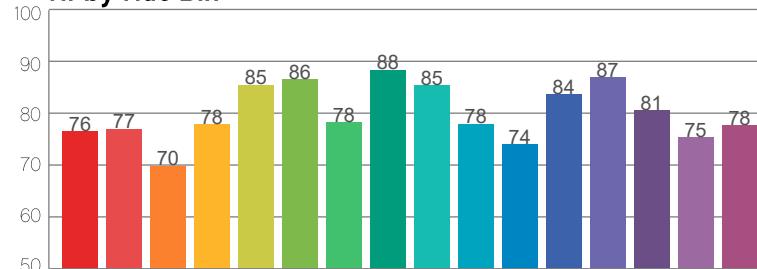
Color Distortion Graphic



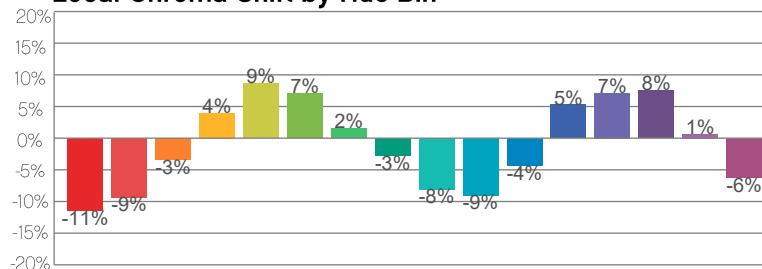
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 76             | -11%         | -3%       |
| 2       | 77             | -9%          | 7%        |
| 3       | 70             | -3%          | 14%       |
| 4       | 78             | 4%           | 12%       |
| 5       | 85             | 9%           | 7%        |
| 6       | 86             | 7%           | -3%       |
| 7       | 78             | 2%           | -12%      |
| 8       | 88             | -3%          | -6%       |
| 9       | 85             | -8%          | -3%       |
| 10      | 78             | -9%          | 6%        |
| 11      | 74             | -4%          | 15%       |
| 12      | 84             | 5%           | 7%        |
| 13      | 87             | 7%           | -2%       |
| 14      | 81             | 8%           | -11%      |
| 15      | 75             | 1%           | -14%      |
| 16      | 78             | -6%          | -15%      |



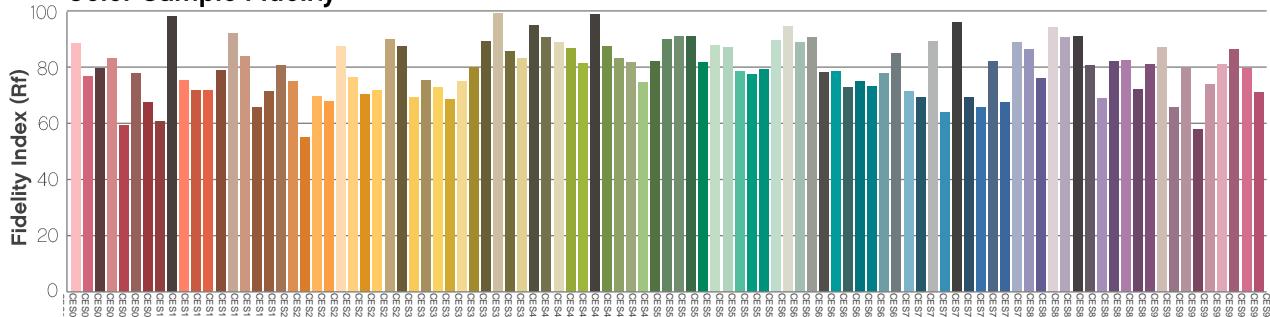
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: 3200K

## Report Summary

### Measurements

Total Lumens: 2173 lm

Peak Intensity: 5788 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 3127K

$\Delta u_v$ : -0.0035

CRI: 92.5 CRI R9 Value: 94.5

CQS: 90.8

TLCI: 76

TM-30-18 Rf: 88.5

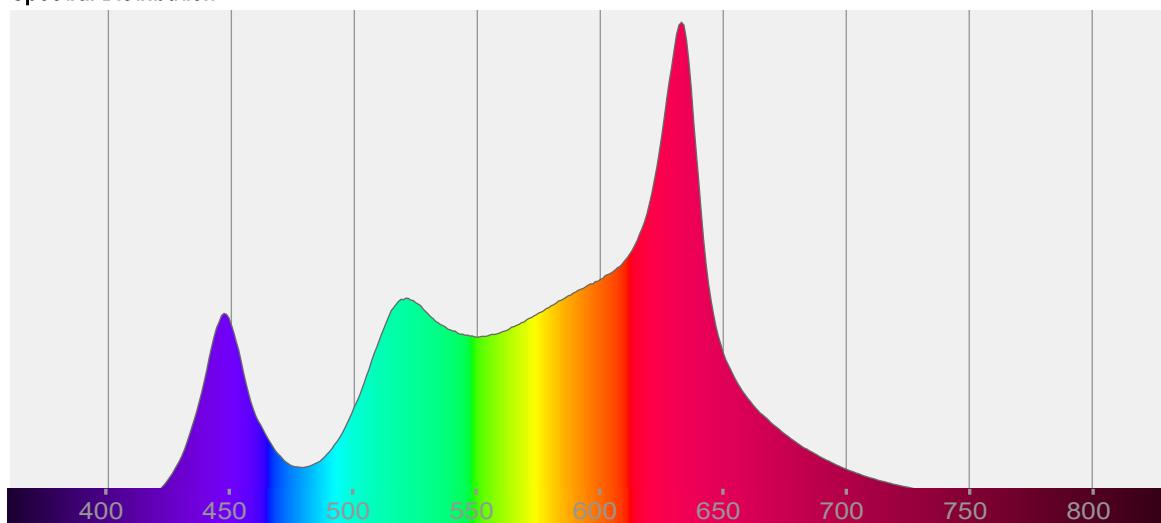
TM-30-18 Rg: 109.0

1<sup>st</sup> Dominant Wavelength: 633 nm

2<sup>nd</sup> Dominant Wavelength: 521 nm



### Spectral Distribution



#### Tested Color

3127 K

CIE 1931 Coordinates:

X: 0.424 Y: 0.391

#### Color Temperature

3127 K

#### Light Quality

CRI: 92.5

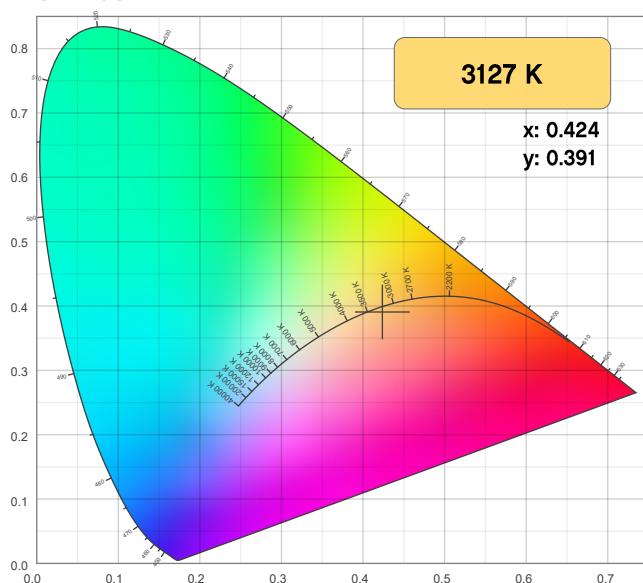
#### Notes:

# Chromaticity Report

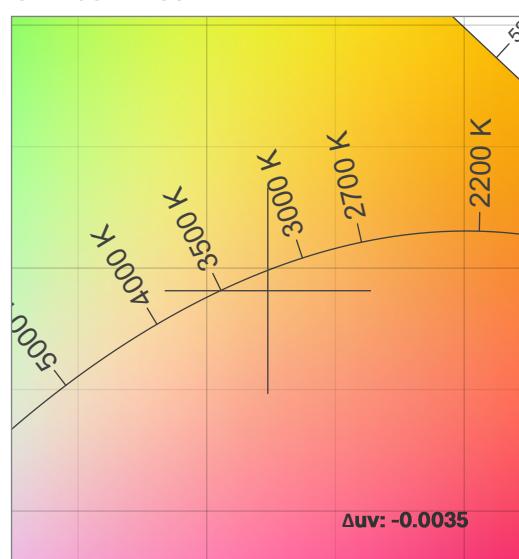
WELL Panel: 3200K

## Chromaticity

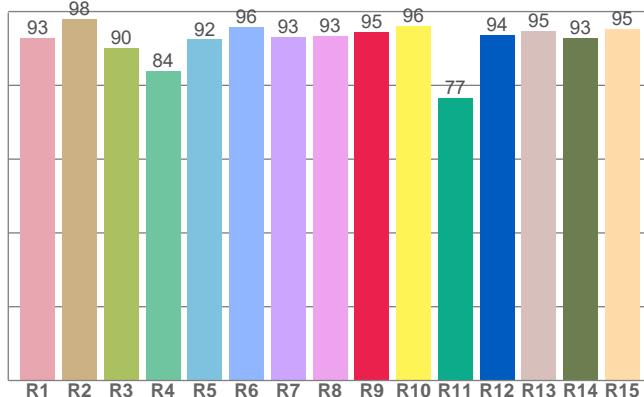
CIE 1931



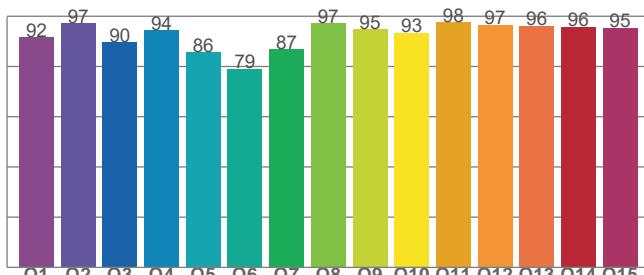
CIE 1931 - Zoom



CRI: 92.5 (R1-R8)



CQS: 90.8



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3127 K            | 0.424                     | 0.391                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta u v$                          | y                         | u                         |
| -0.0035                               | 0.391                     | 0.248                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 92.5                  | 94.5          | 90.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 76                                    | 88.5           | 109.0       |

# Chromaticity Report

WELL Panel: 3200K

## TM-30-18 Details

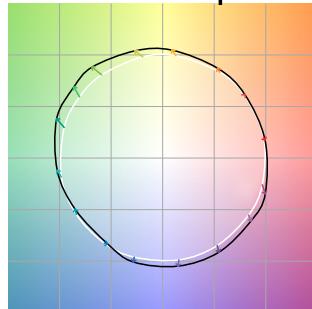
**Rf 88.5**

Fidelity Index  
(Rg)

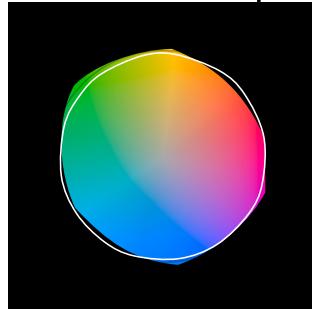
**Rg 109.0**

Gamut Index (Rg)

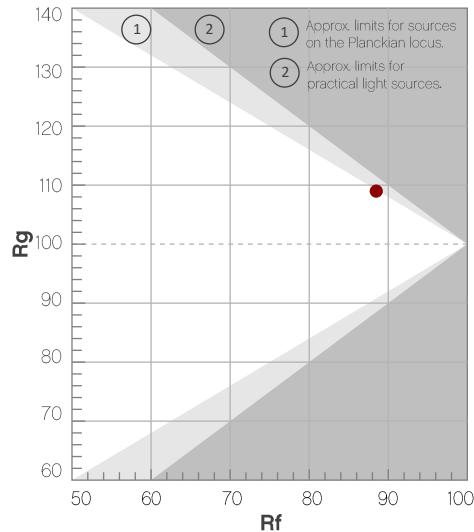
Color Vector Graphic



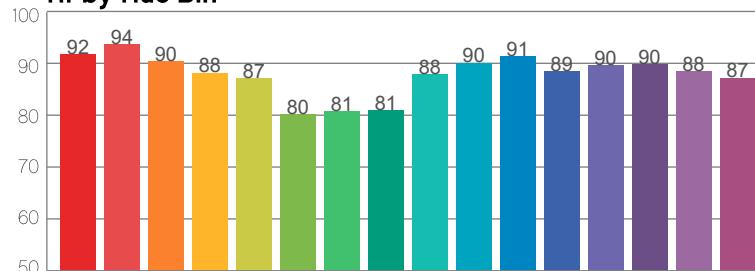
Color Distortion Graphic



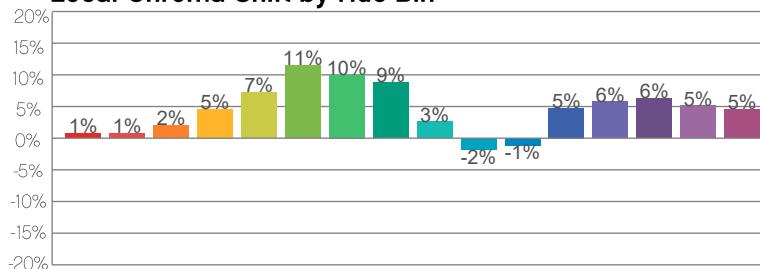
| Hue Bin | Rf | Chroma Shift | Hue Shift |
|---------|----|--------------|-----------|
| 1       | 92 | 1%           | -3%       |
| 2       | 94 | 1%           | 0%        |
| 3       | 90 | 2%           | 4%        |
| 4       | 88 | 5%           | 5%        |
| 5       | 87 | 7%           | 6%        |
| 6       | 80 | 11%          | 4%        |
| 7       | 81 | 10%          | -5%       |
| 8       | 81 | 9%           | -7%       |
| 9       | 88 | 3%           | -7%       |
| 10      | 90 | -2%          | -5%       |
| 11      | 91 | -1%          | 3%        |
| 12      | 89 | 5%           | 0%        |
| 13      | 90 | 6%           | -2%       |
| 14      | 90 | 6%           | -2%       |
| 15      | 88 | 5%           | -3%       |
| 16      | 87 | 5%           | -8%       |



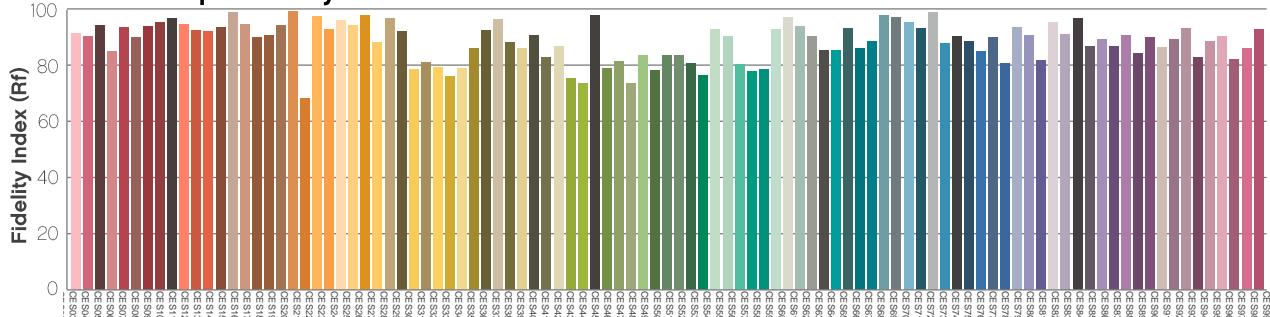
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: 4000K

## Report Summary

### Measurements

Total Lumens: 2278 lm

Peak Intensity: 6060 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 3943K

$\Delta u_v$ : -0.0026

CRI: 91.9 CRI R9 Value: 94.5

CQS: 92.8

TLCI: 78

TM-30-18 Rf: 89.3

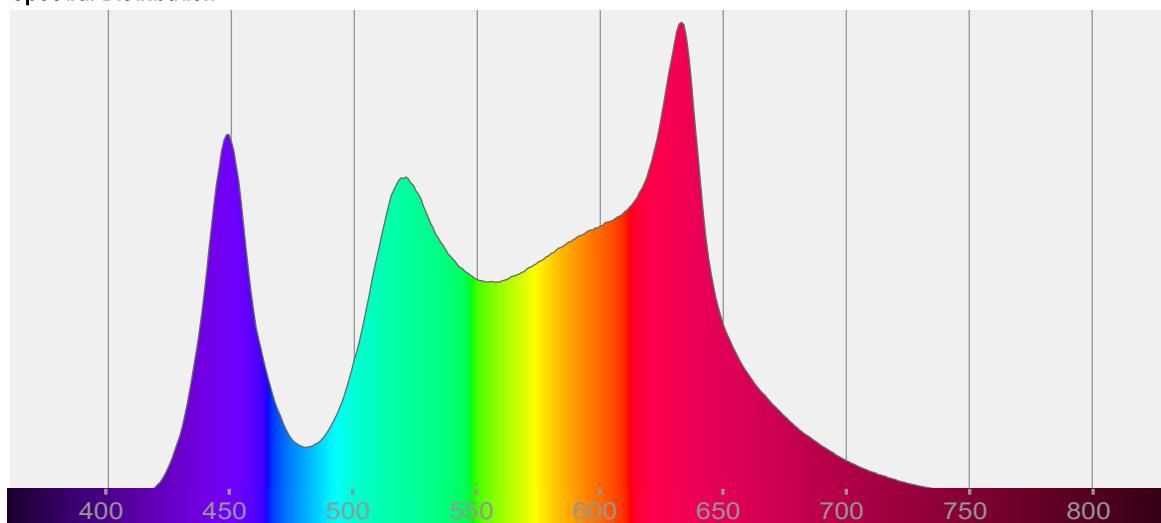
TM-30-18 Rg: 107.8

1<sup>st</sup> Dominant Wavelength: 633 nm

2<sup>nd</sup> Dominant Wavelength: 449 nm



### Spectral Distribution



#### Tested Color

3943 K

CIE 1931 Coordinates:

X: 0.381 Y: 0.372

#### Color Temperature

3943 K

#### Light Quality

CRI: 91.9

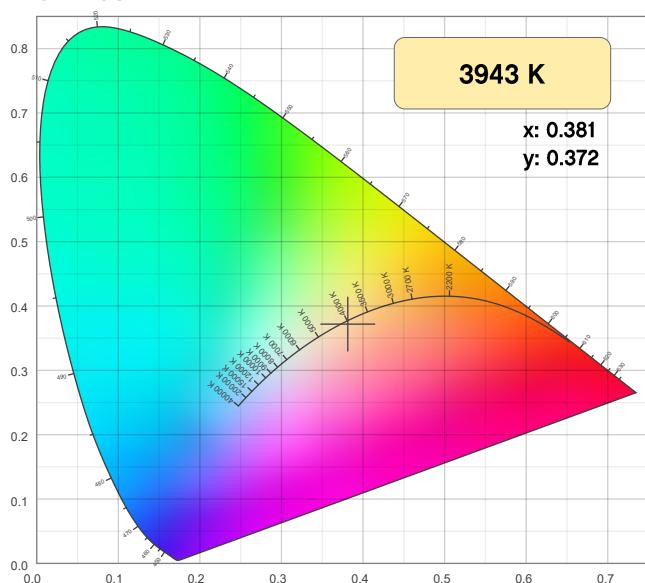
#### Notes:

# Chromaticity Report

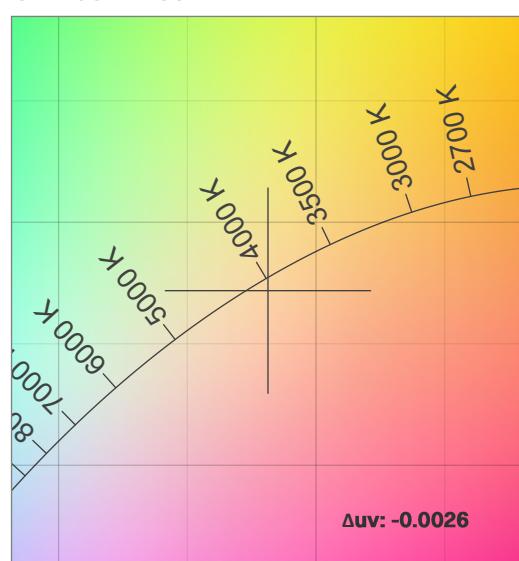
WELL Panel: 4000K

## Chromaticity

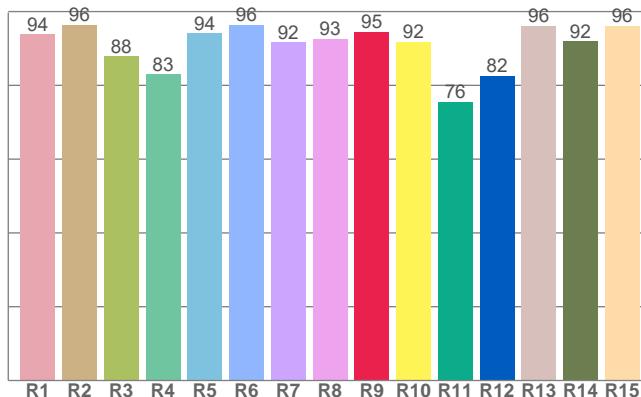
CIE 1931



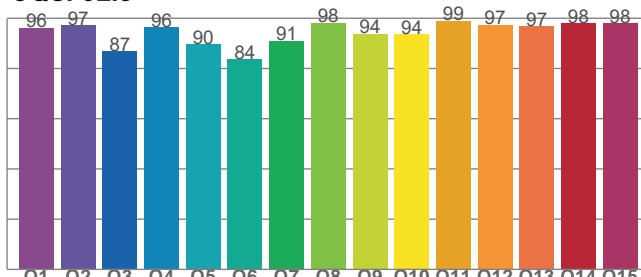
CIE 1931 - Zoom



CRI: 91.9 (R1-R8)



CQS: 92.8



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3943 K            | 0.381                     | 0.372                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| -0.0026                               | 0.372                     | 0.228                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 91.9                  | 94.5          | 92.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 78                                    | 89.3           | 107.8       |

# Chromaticity Report

WELL Panel: 4000K

## TM-30-18 Details

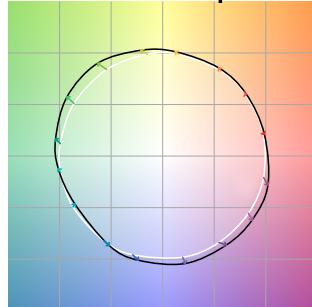
**Rf 89.3**

Fidelity Index  
(Rg)

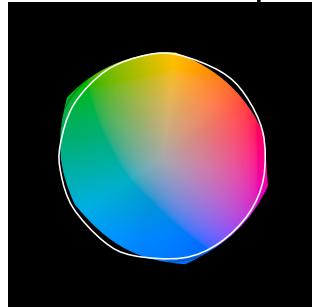
**Rg 107.8**

Gamut Index (Rg)

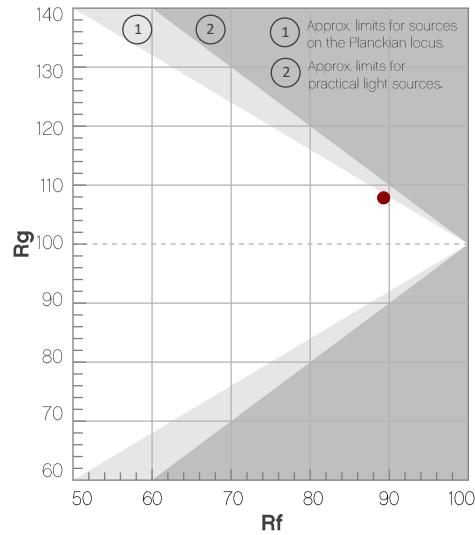
Color Vector Graphic



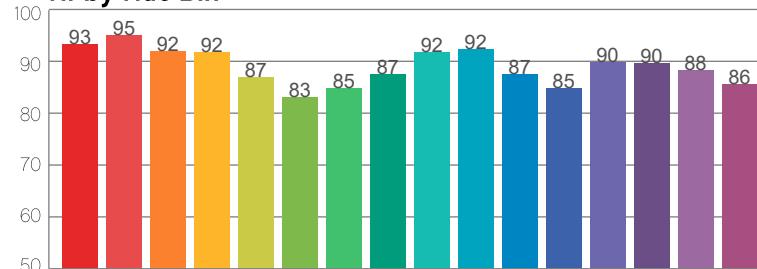
Color Distortion Graphic



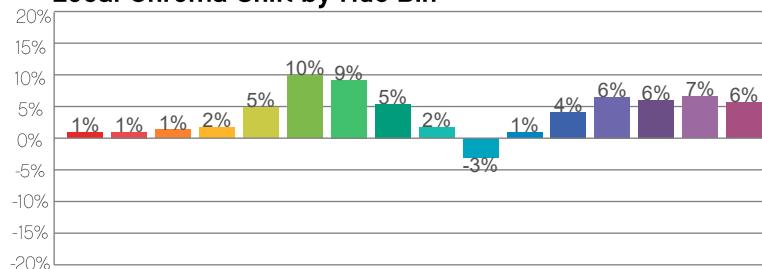
| Hue Bin | Rf | Chroma Shift | Hue Shift |
|---------|----|--------------|-----------|
| 1       | 93 | 1%           | -2%       |
| 2       | 95 | 1%           | -1%       |
| 3       | 92 | 1%           | 3%        |
| 4       | 92 | 2%           | 4%        |
| 5       | 87 | 5%           | 5%        |
| 6       | 83 | 10%          | 4%        |
| 7       | 85 | 9%           | -1%       |
| 8       | 87 | 5%           | -4%       |
| 9       | 92 | 2%           | -4%       |
| 10      | 92 | -3%          | -2%       |
| 11      | 87 | 1%           | 7%        |
| 12      | 85 | 4%           | 6%        |
| 13      | 90 | 6%           | 1%        |
| 14      | 90 | 6%           | 5%        |
| 15      | 88 | 7%           | -4%       |
| 16      | 86 | 6%           | -7%       |



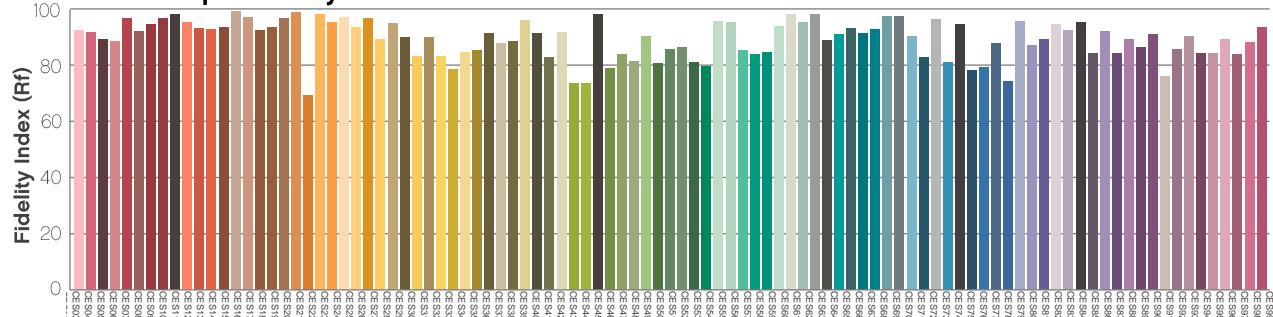
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

WELL Panel: 5600K

## Report Summary

### Measurements

Total Lumens: 2457 lm

Peak Intensity: 6521 cd

Fixture Efficacy: ffl lm/W

Correlated Color Temperature: 5652K

$\Delta u_v$ : -0.0059

CRI: 89.8 CRI R9 Value: 92.4

CQS: 91.6

TLCI: 83

TM-30-18 Rf: 87.0

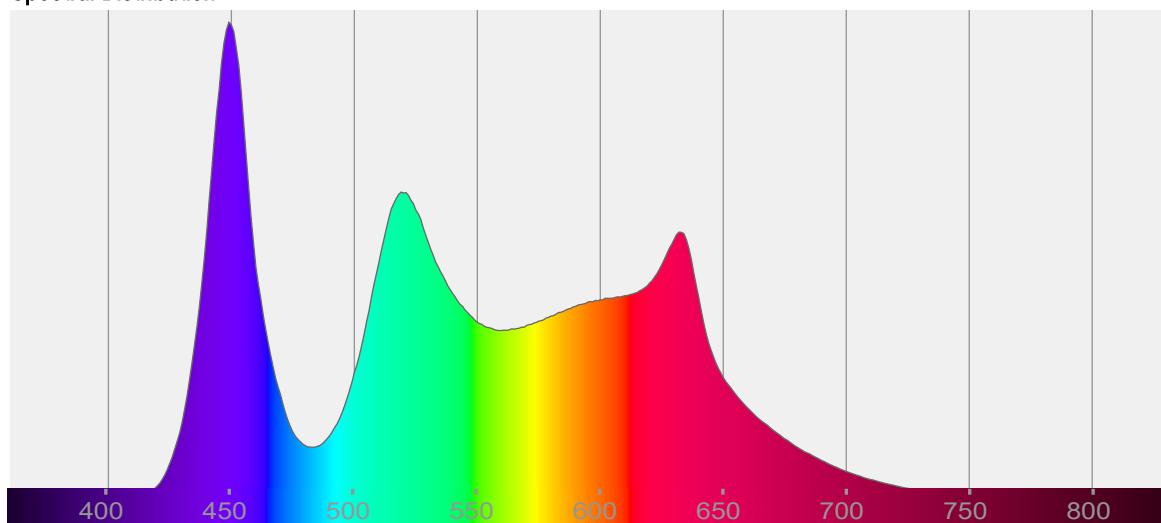
TM-30-18 Rg: 108.6

1<sup>st</sup> Dominant Wavelength: 449 nm

2<sup>nd</sup> Dominant Wavelength: 519 nm



### Spectral Distribution



#### Tested Color

5652 K

CIE 1931 Coordinates:

X: 0.329 Y: 0.333

#### Color Temperature

5652 K

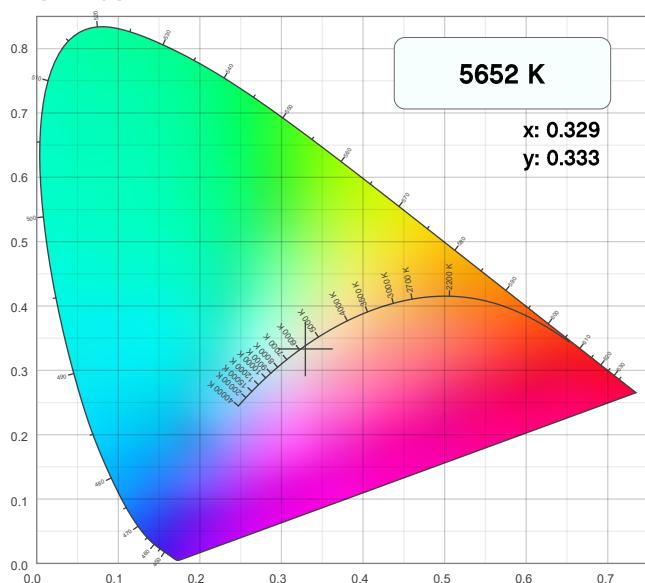
#### Notes:

# Chromaticity Report

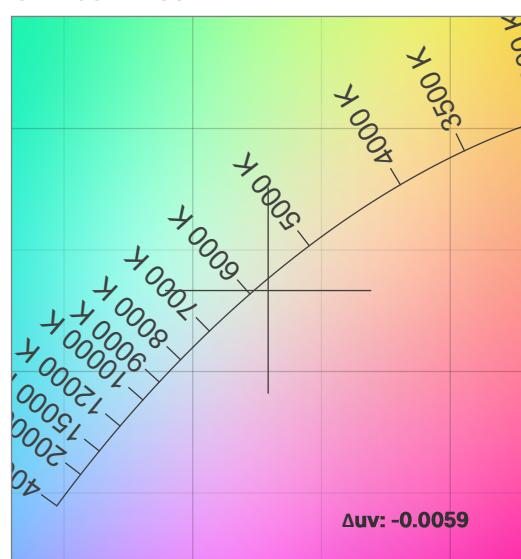
WELL Panel: 5600K

## Chromaticity

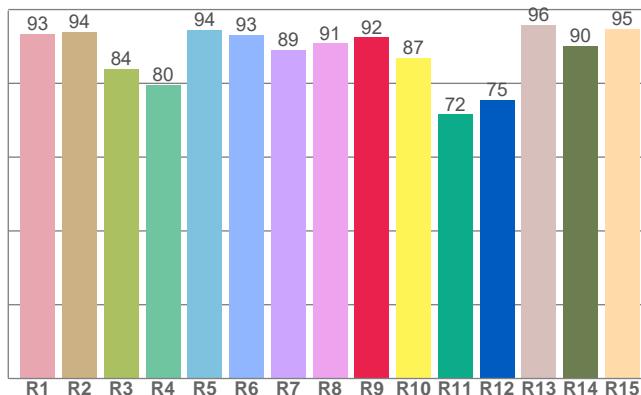
CIE 1931



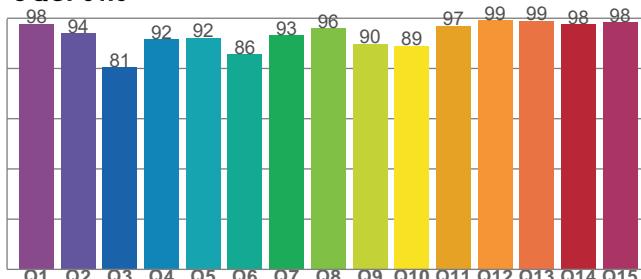
CIE 1931 - Zoom



CRI: 89.8 (R1-R8)



CQS: 91.6



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 5652 K            | 0.329                     | 0.333                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta_{UV}$                         | y                         | u                         |
| -0.0059                               | 0.333                     | 0.208                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 89.8                  | 92.4          | 91.6                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM-30-18 - Rf  | TM-30-18 Rg |
| 83                                    | 87.0           | 108.6       |

# Chromaticity Report

WELL Panel: 5600K

## TM-30-18 Details

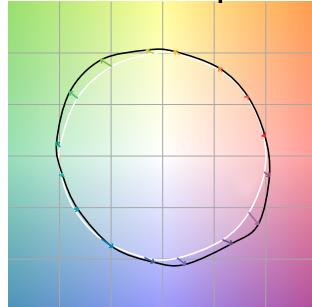
**Rf 87.0**

Fidelity Index  
(Rg)

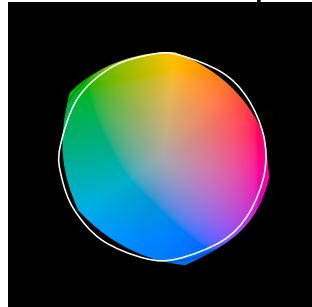
**Rg 108.6**

Gamut Index (Rg)

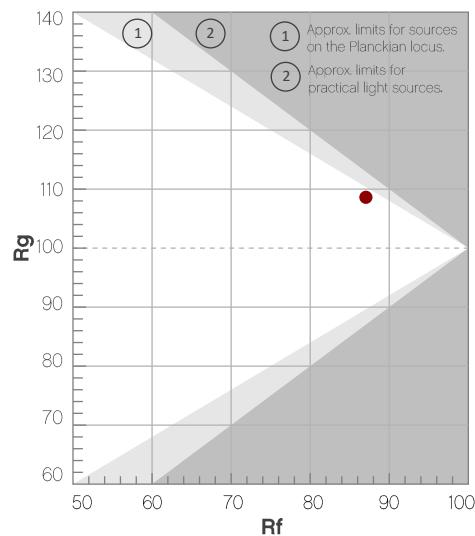
Color Vector Graphic



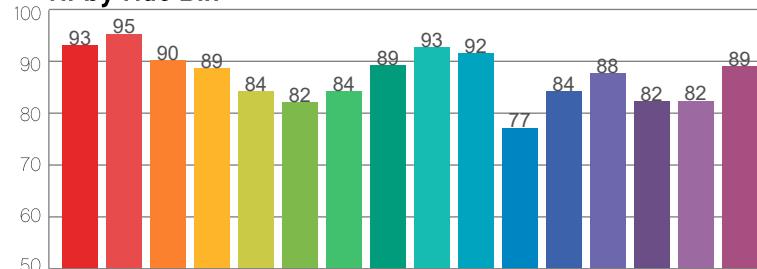
Color Distortion Graphic



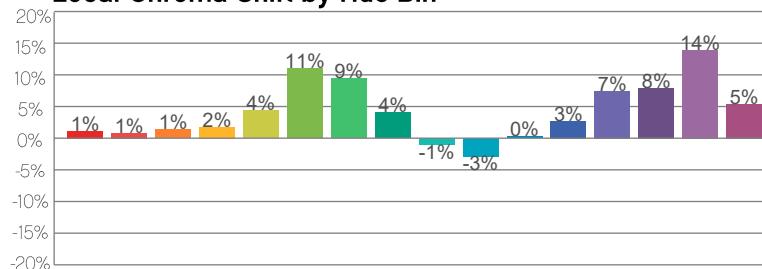
| Hue Bin | R <sub>f</sub> | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1       | 93             | 1%           | -2%       |
| 2       | 95             | 1%           | 0%        |
| 3       | 90             | 1%           | 4%        |
| 4       | 89             | 2%           | 6%        |
| 5       | 84             | 4%           | 6%        |
| 6       | 82             | 11%          | 5%        |
| 7       | 84             | 9%           | -1%       |
| 8       | 89             | 4%           | -3%       |
| 9       | 93             | -1%          | -2%       |
| 10      | 92             | -3%          | 3%        |
| 11      | 77             | 0%           | 13%       |
| 12      | 84             | 3%           | 9%        |
| 13      | 88             | 7%           | 6%        |
| 14      | 82             | 8%           | 6%        |
| 15      | 82             | 14%          | -4%       |
| 16      | 89             | 5%           | -3%       |



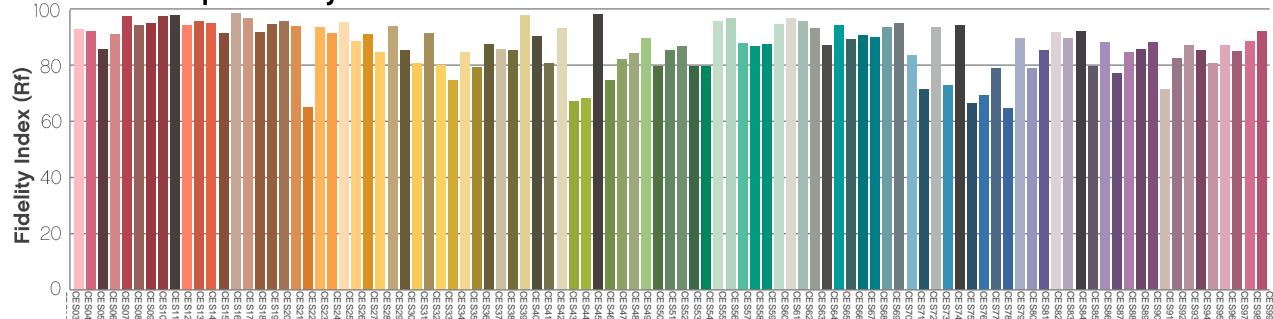
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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