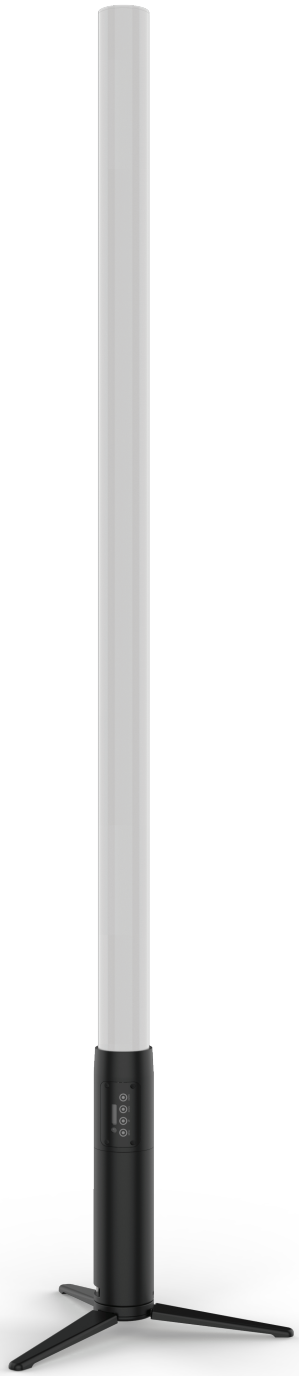


PHOTOMETRICS REPORT

WELL STX 360

WIRELESS EVENT LED LUMINAIRE

NO FILTER

CHAUVET PROFESSIONAL

Table of Contents

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 STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 1452 lm
Peak Intensity: 133 cd
Illuminance @ 5m: 5 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

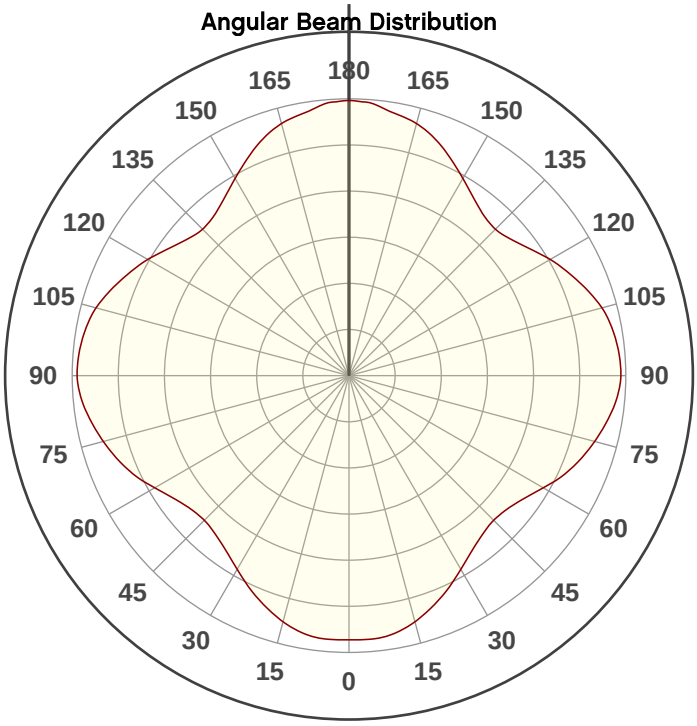
Conditions

AC Supply: 122 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 10/2/2020 to LM-63-2002 Standards.

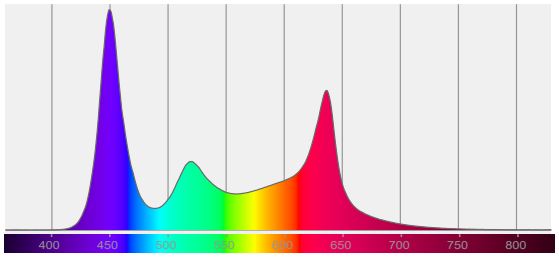
Overall Measurement

Angular Beam Distribution

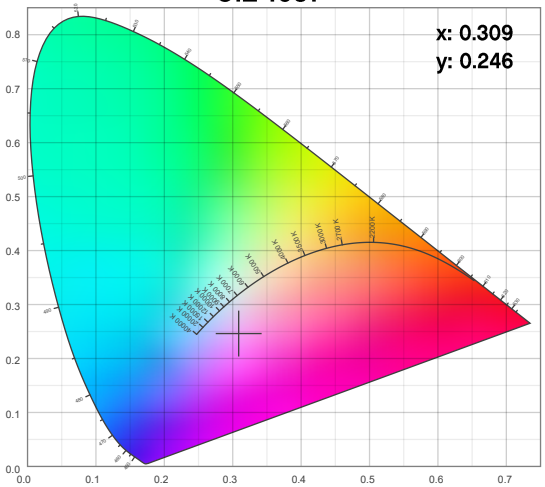


Beam Angle **360°**

Spectral Distribution



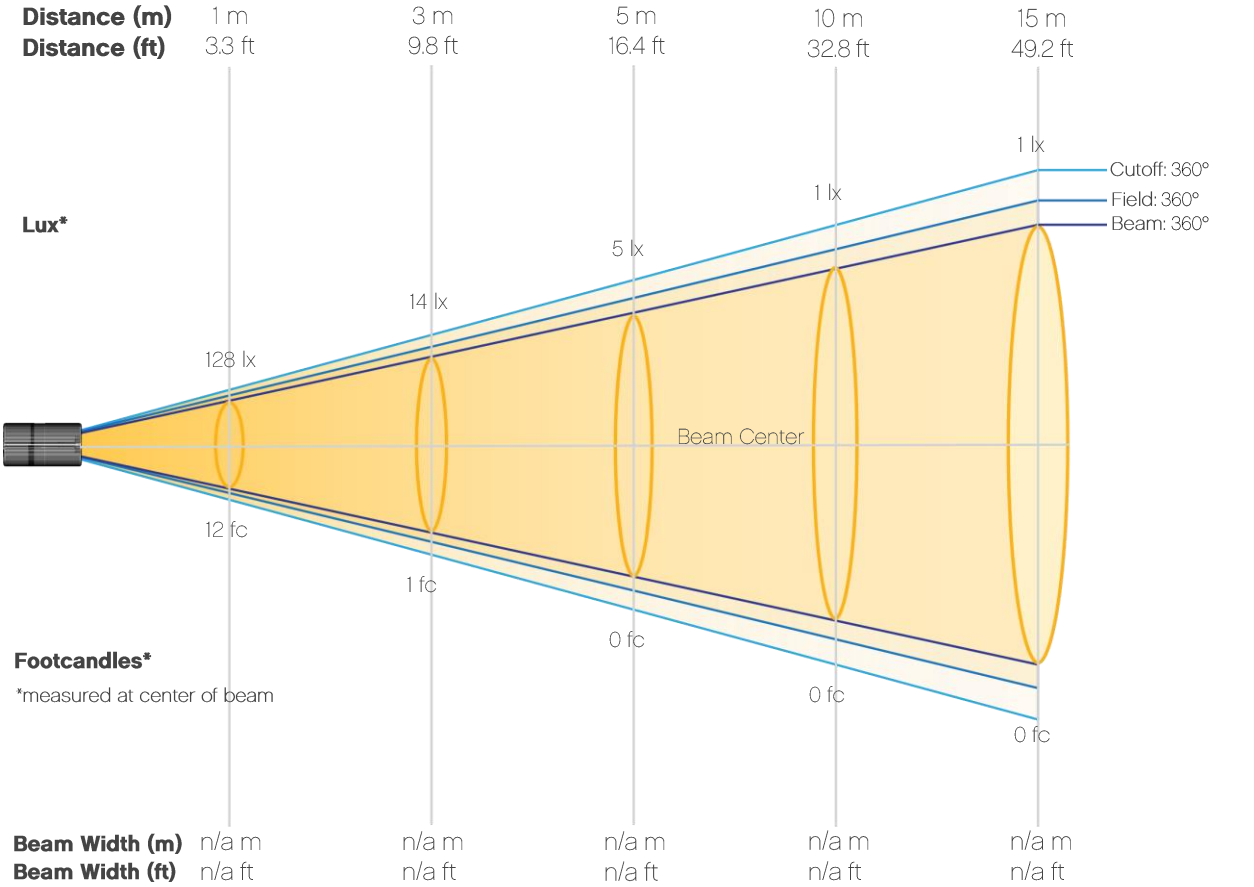
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



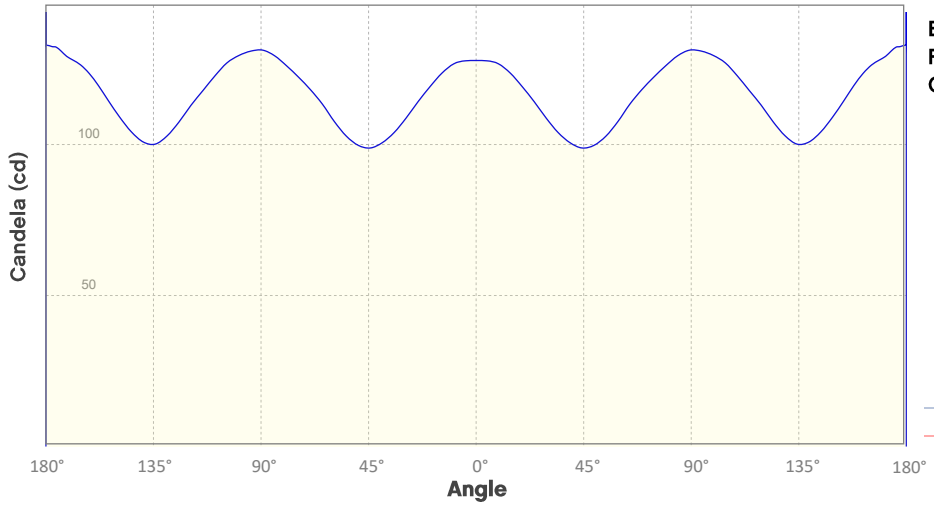
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	128	32	14	8	5	4	3	2	2	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	1	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	12	3	1	1	0	0	0	0	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 STX 360: Standard Optic, Full Power

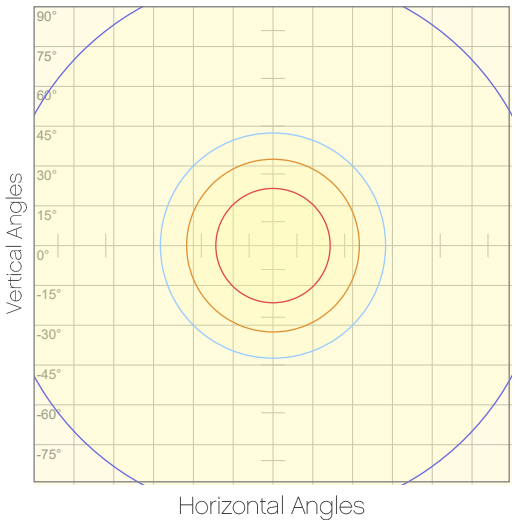
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

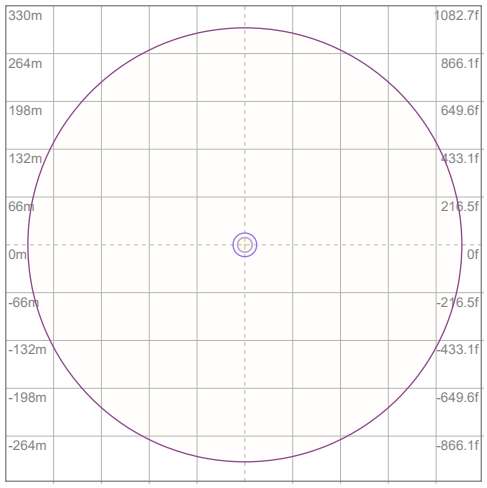
Polar Diagrams



iso-candela Diagram

10%	13 cd
20%	26 cd
30%	38 cd
40%	51 cd
50%	64 cd
60%	77 cd
70%	89 cd
80%	102 cd
90%	115 cd

Conditions:
Number of c-planes: 2
Candela at center: 128 cd



iso-illuminance Diagram

3%	38.3m lx
5%	63.9m lx
10%	0.128 lx
30%	0.383 lx
50%	0.639 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.28 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 STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 846 lm
Peak Intensity: 77.5 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

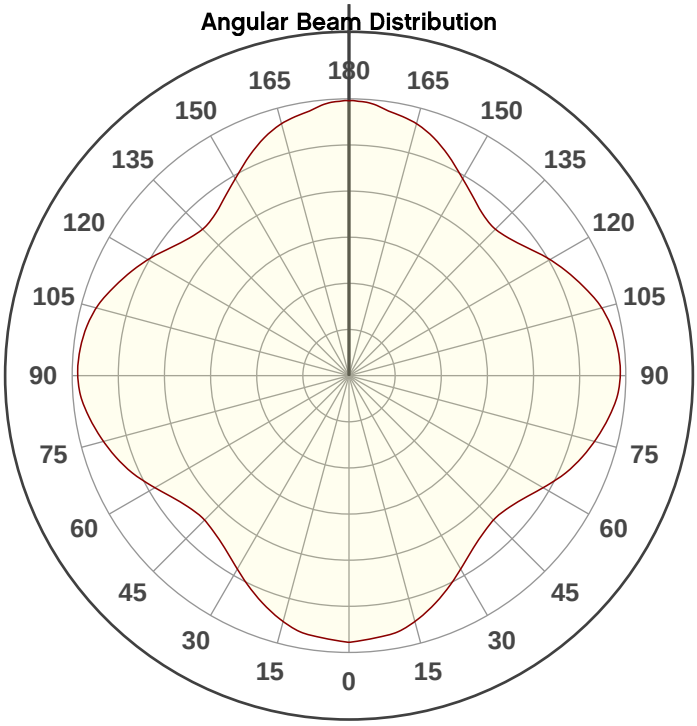
Conditions

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 10/2/2020 to LM-63-2002 Standards.

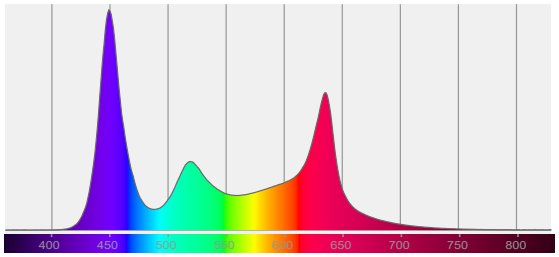
Overall Measurement

Angular Beam Distribution

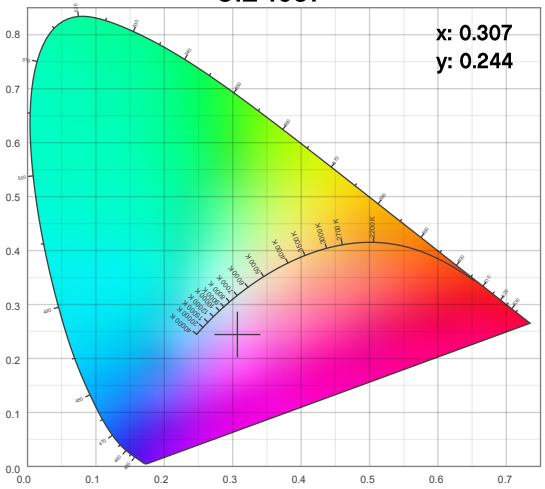


Beam Angle **360°**

Spectral Distribution



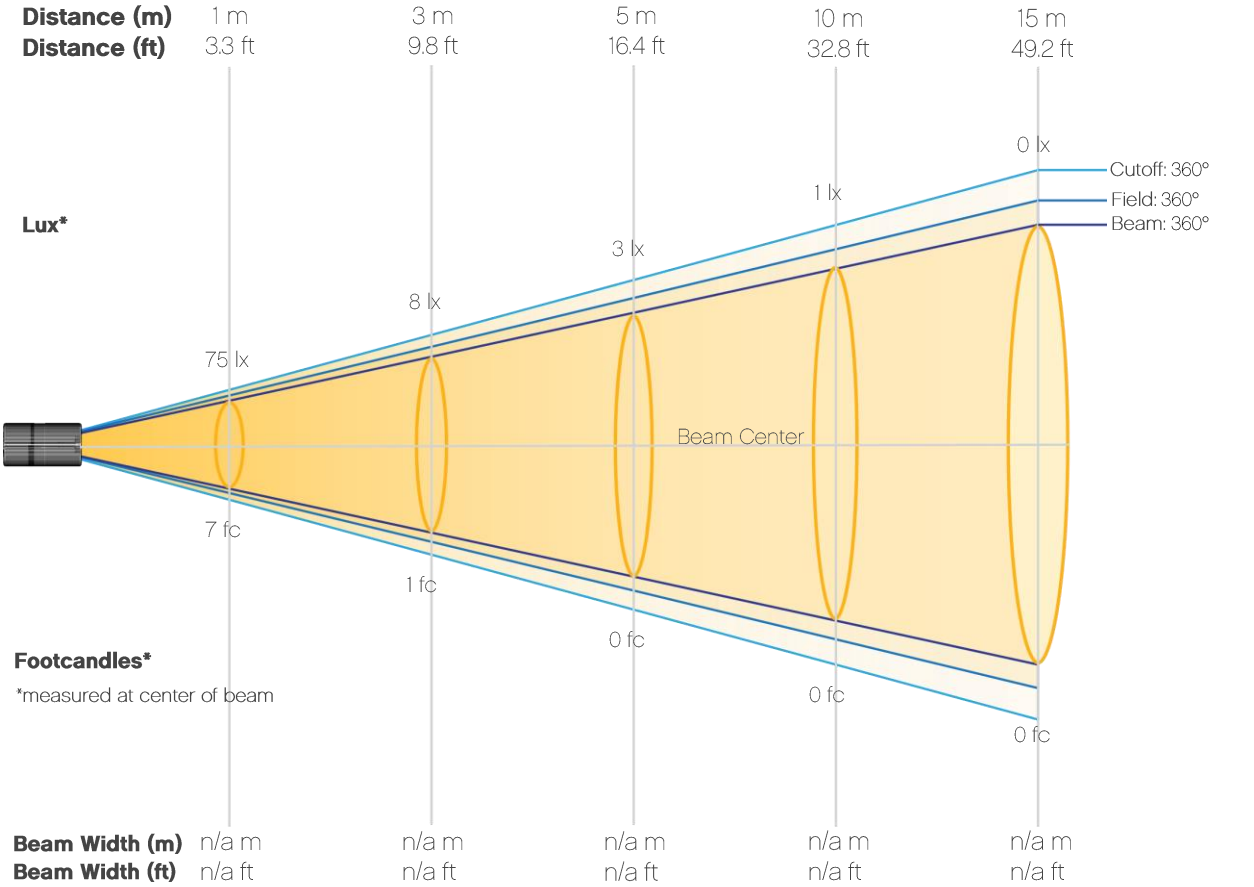
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



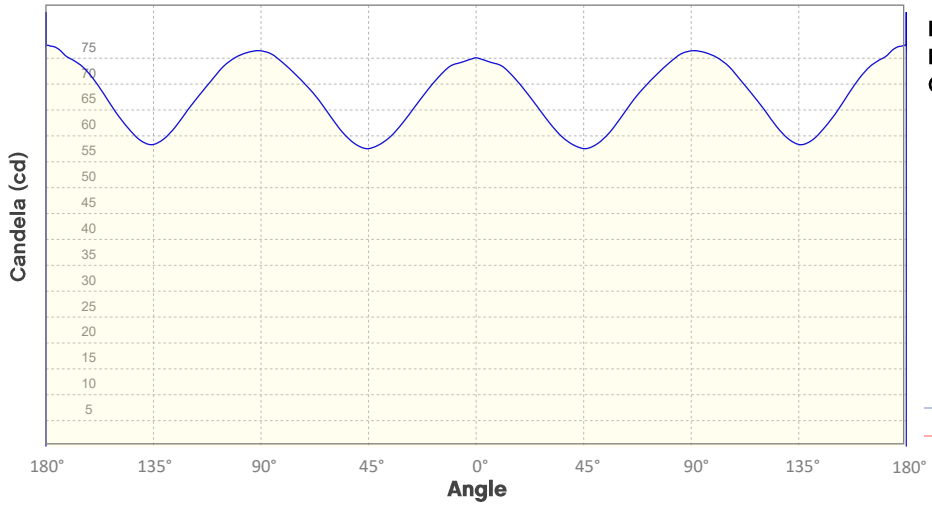
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	75	19	8	5	3	2	2	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	7	2	1	0	0	0	0	0	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 STX 360: Standard Optic, Full Power

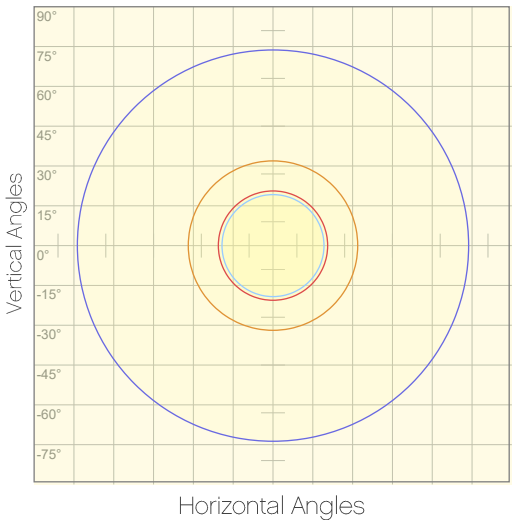
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

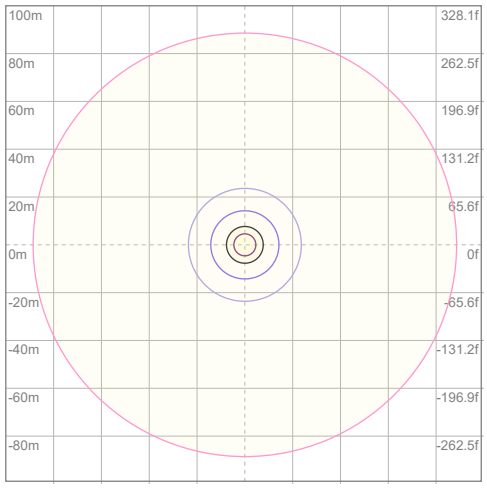
Polar Diagrams



iso-candela Diagram

10%	7 cd
20%	15 cd
30%	22 cd
40%	30 cd
50%	37 cd
60%	45 cd
70%	52 cd
80%	60 cd
90%	67 cd

Conditions:
Number of c-planes: 2
Candela at center: 75 cd



iso-illuminance Diagram

3%	22.5m lx
5%	37.5m lx
10%	75.0m lx
30%	0.225 lx
50%	0.375 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.750 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 STX 360: no filter, Full Power

Report Summary

Output

Total Lumens: 509 lm
Peak Intensity: 46.5 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

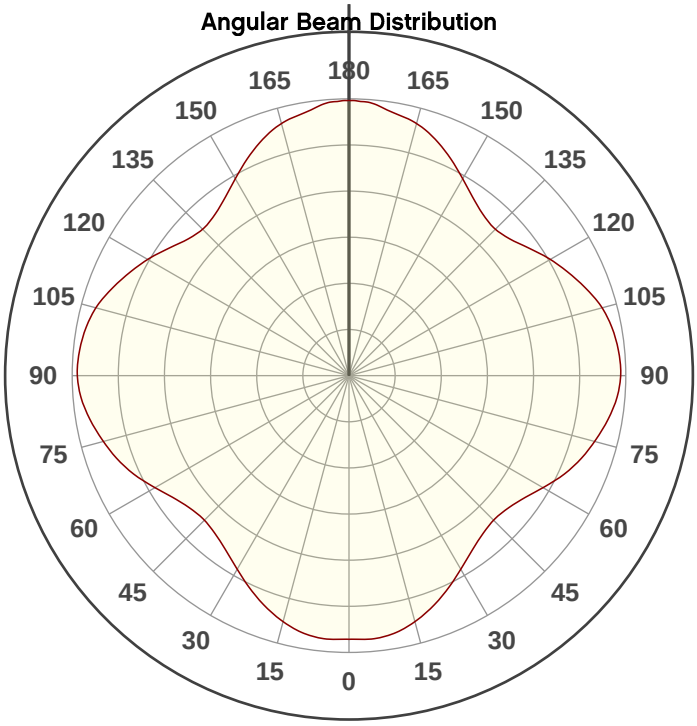
Conditions

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 10/2/2020 to LM-63-2002 Standards.

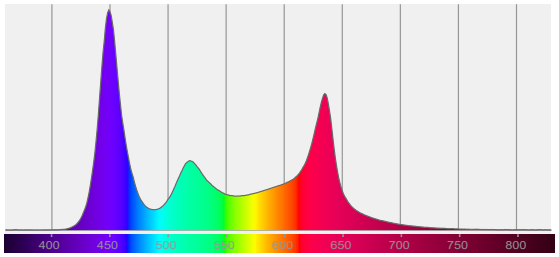
Overall Measurement

Angular Beam Distribution

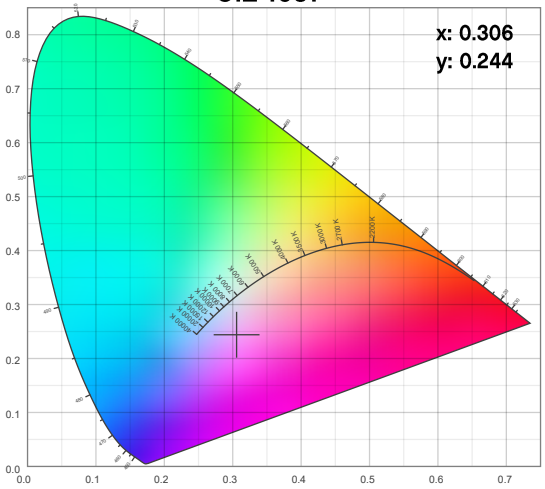


Beam Angle **360°**

Spectral Distribution



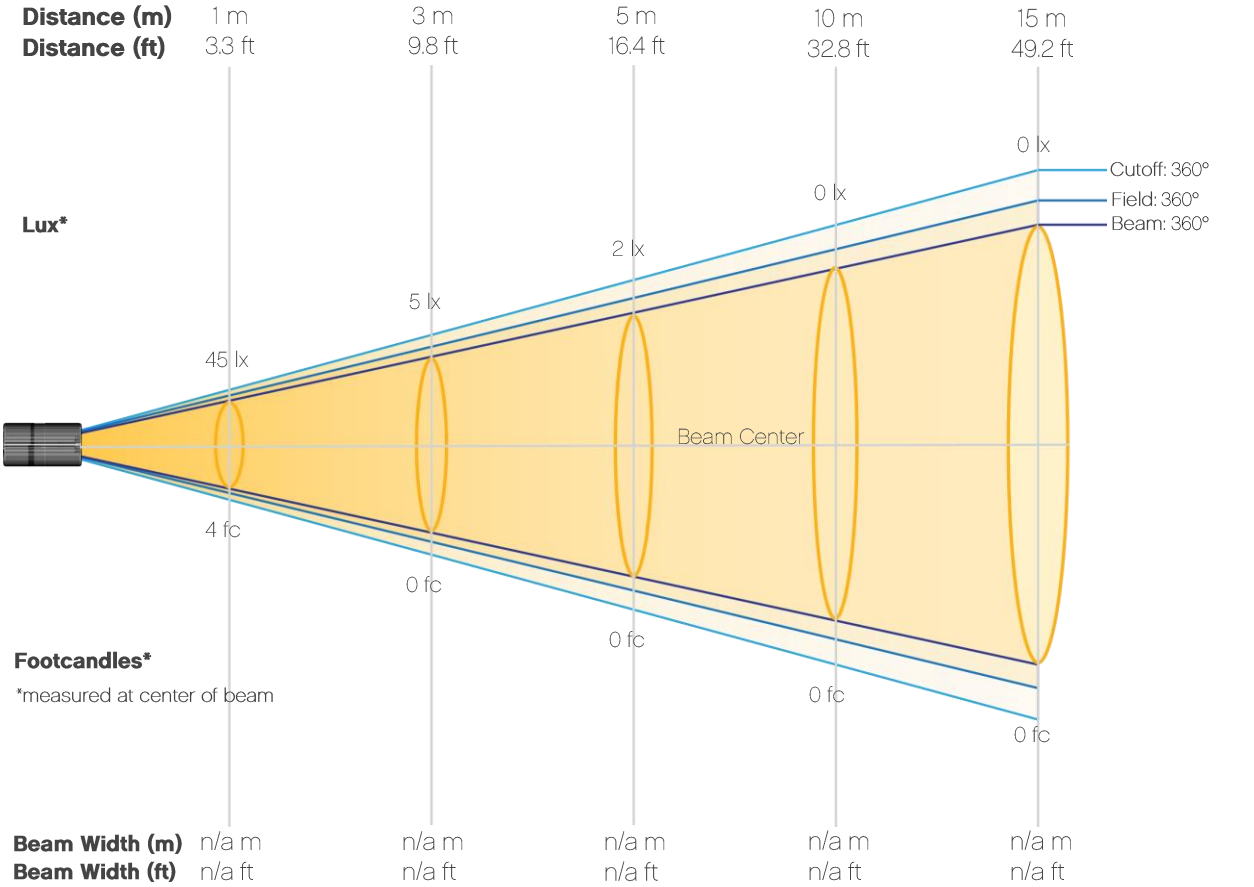
CIE 1931



Photometric Report

Well STX 360: no filter, Full Power

Beam Details



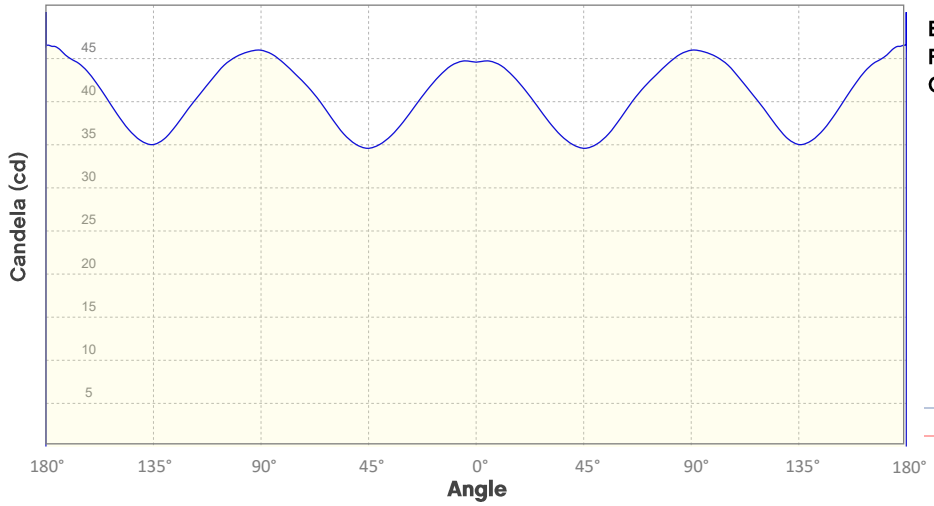
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	45	11	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4	1	0	0	0	0	0	0	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 STX 360: no filter, Full Power

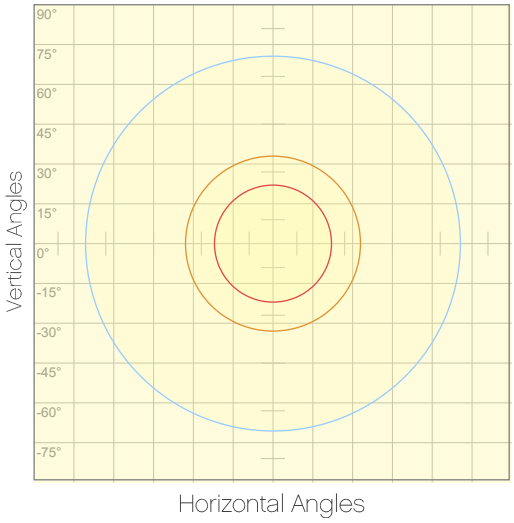
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

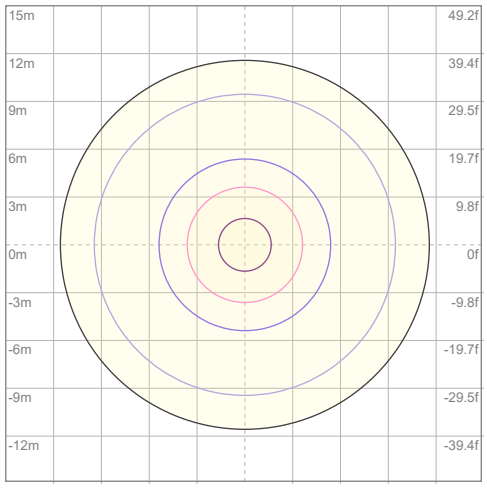
Polar Diagrams



iso-candela Diagram

10%	4 cd
20%	9 cd
30%	13 cd
40%	18 cd
50%	22 cd
60%	27 cd
70%	31 cd
80%	36 cd
90%	40 cd

Conditions:
Number of c-planes: 2
Candela at center: 45 cd



iso-illuminance Diagram

3%	13.4m lx
5%	22.3m lx
10%	44.6m lx
30%	0.134 lx
50%	0.223 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.446 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 STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 343 lm
Peak Intensity: 31.4 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

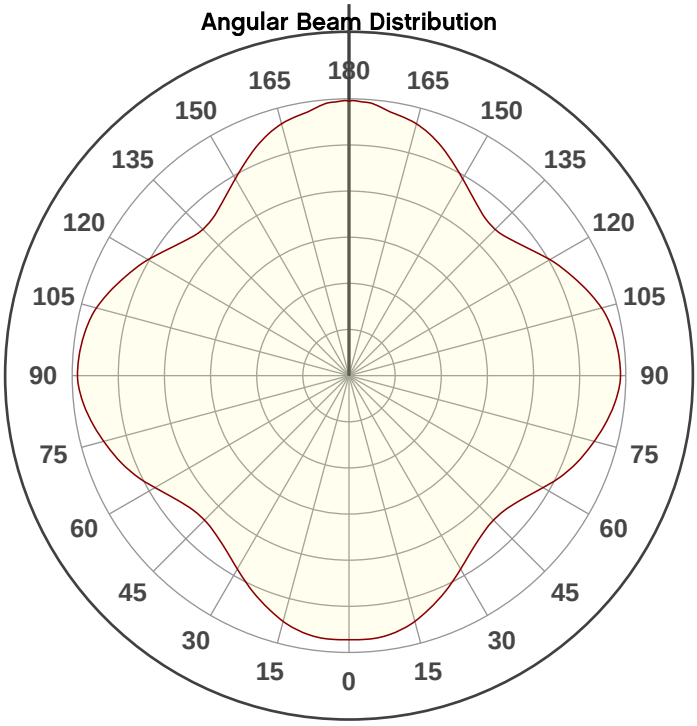
Conditions

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 10/2/2020 to LM-63-2002 Standards.

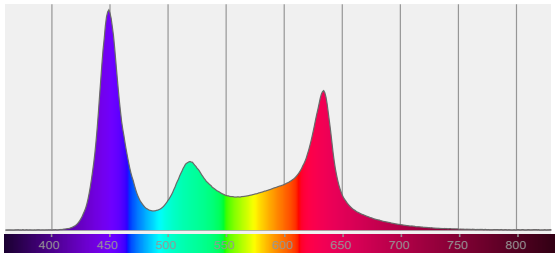
Overall Measurement

Angular Beam Distribution

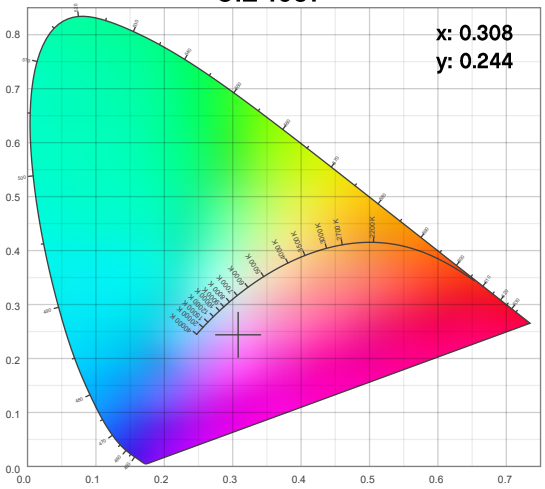


Beam Angle **360°**

Spectral Distribution



CIE 1931

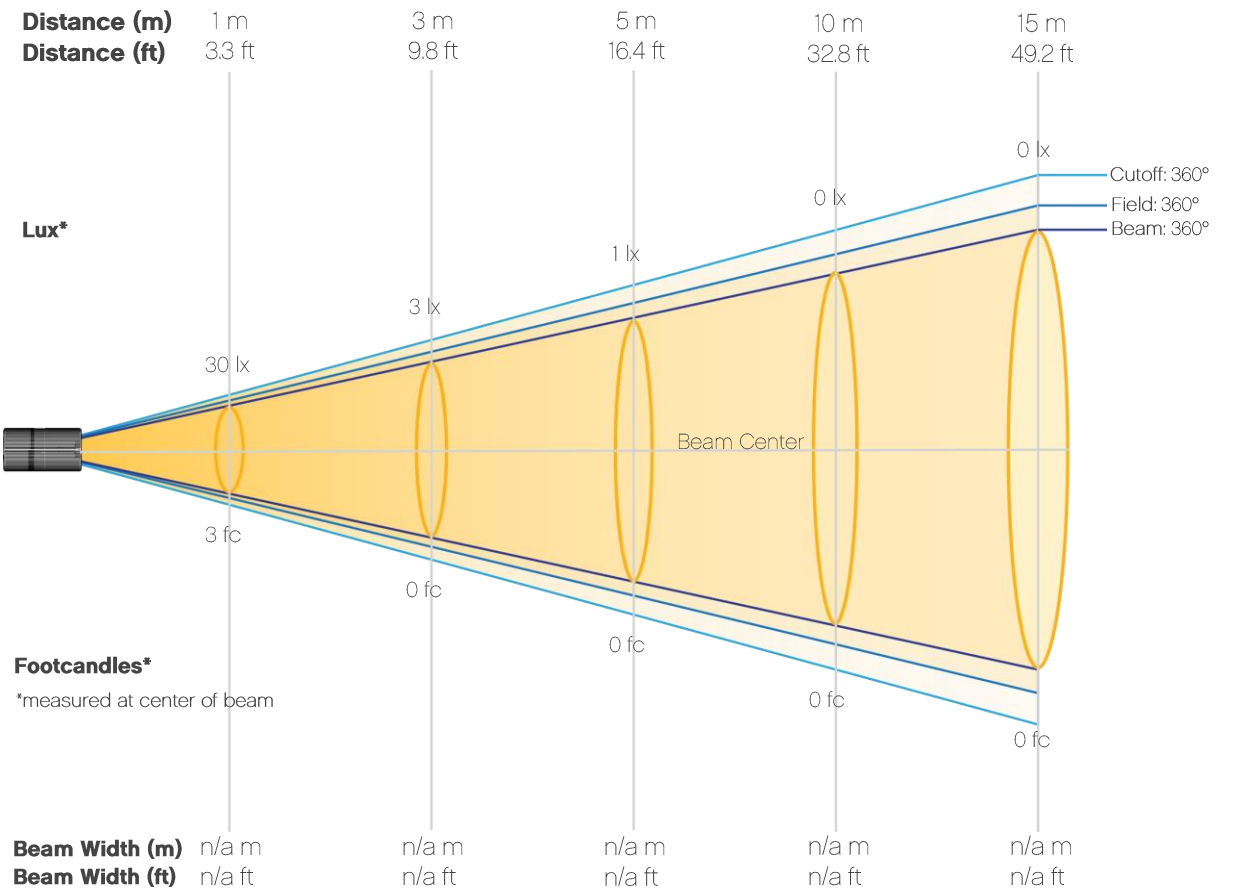


All product specifications, measurements and dimensions are subject to change without notice

Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



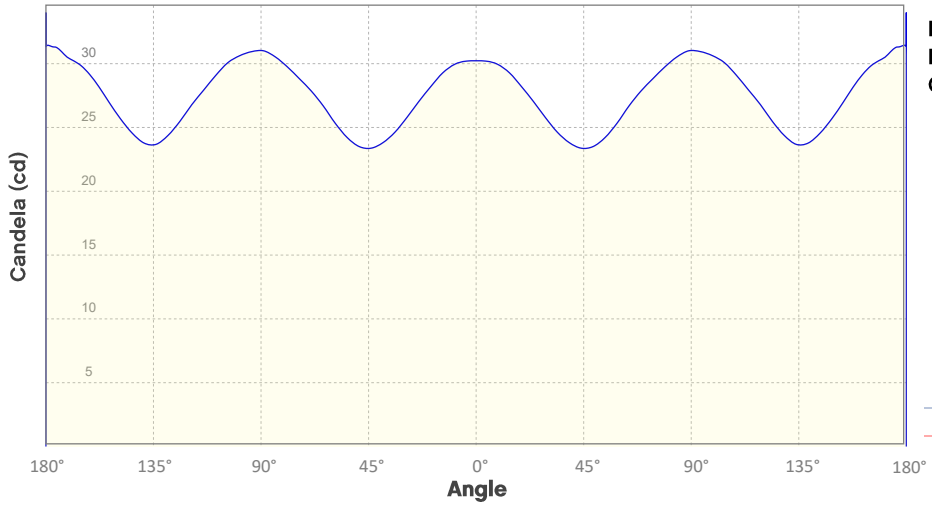
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	30	8	3	2	1	1	1	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	3	1	0	0	0	0	0	0	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 STX 360: Standard Optic, Full Power

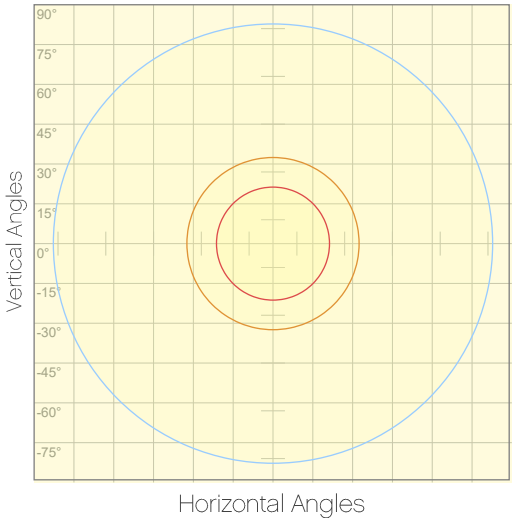
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

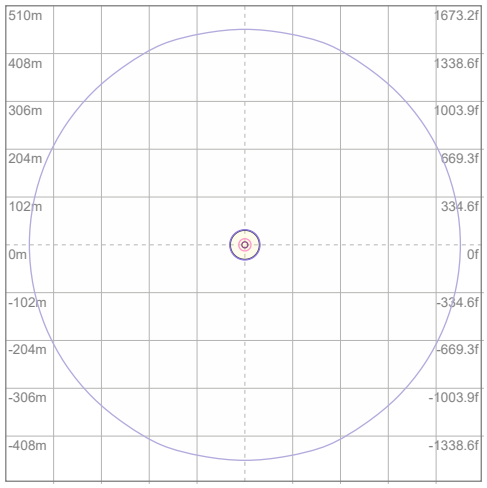
Polar Diagrams



iso-candela Diagram

10%	3 cd
20%	6 cd
30%	9 cd
40%	12 cd
50%	15 cd
60%	18 cd
70%	21 cd
80%	24 cd
90%	27 cd

Conditions:
Number of c-planes: 2
Candela at center: 30 cd



iso-illuminance Diagram

3%	9.06m lx
5%	15.1m lx
10%	30.2m lx
30%	90.6m lx
50%	0.151 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.302 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 STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 203 lm
Peak Intensity: 19.1 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

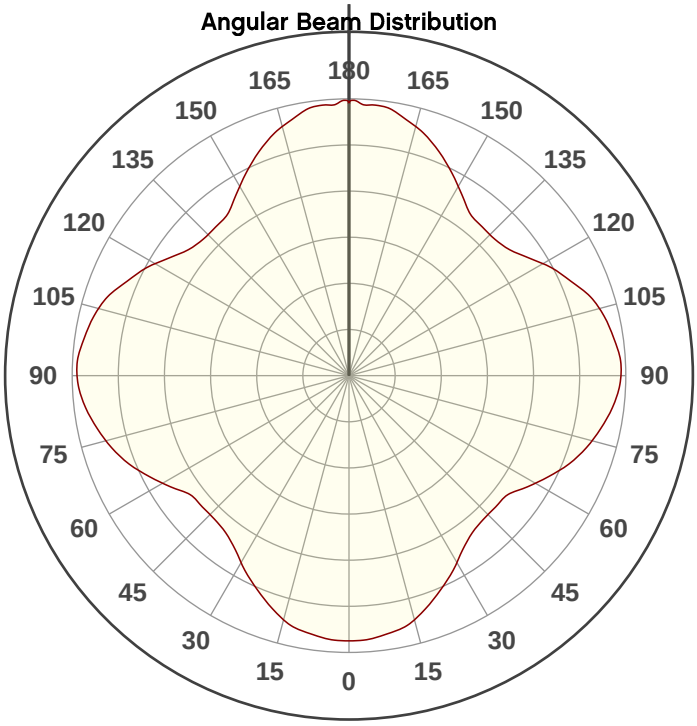
Conditions

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 10/2/2020 to LM-63-2002 Standards.

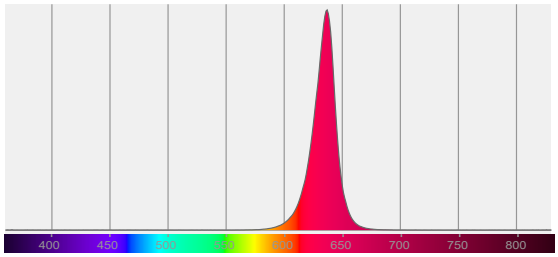
Overall Measurement

Angular Beam Distribution

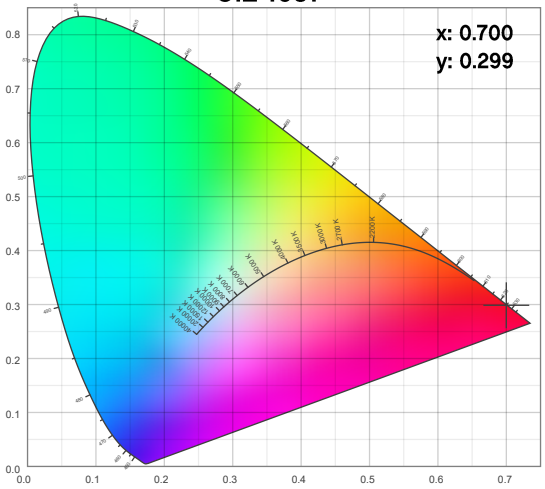


Beam Angle **360°**

Spectral Distribution



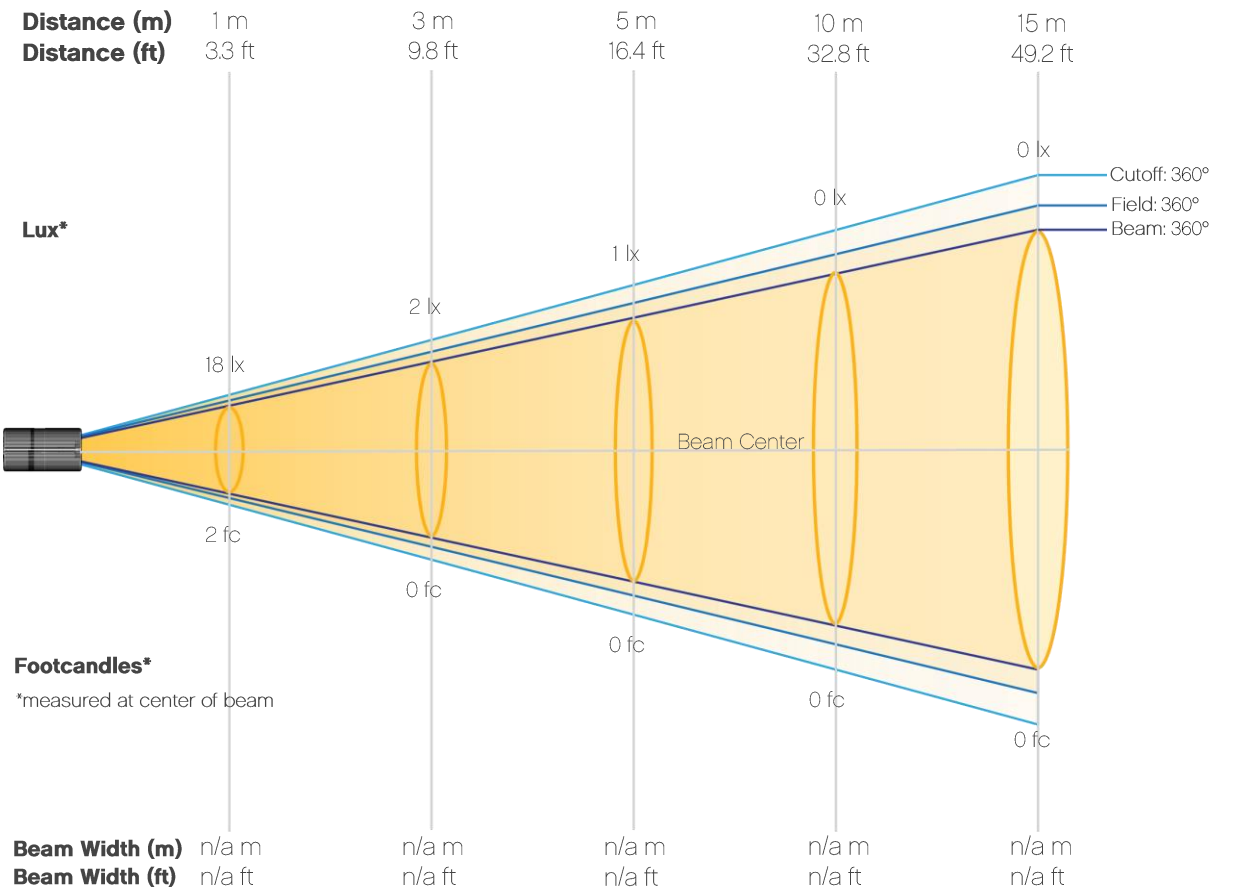
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



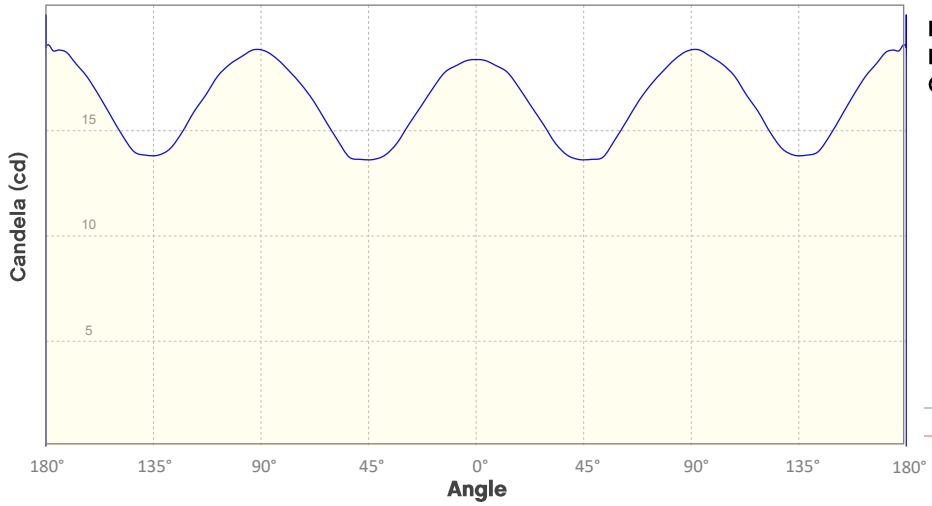
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	18	5	2	1	1	1	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2	0	0	0	0	0	0	0	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 STX 360: Standard Optic, Red Only

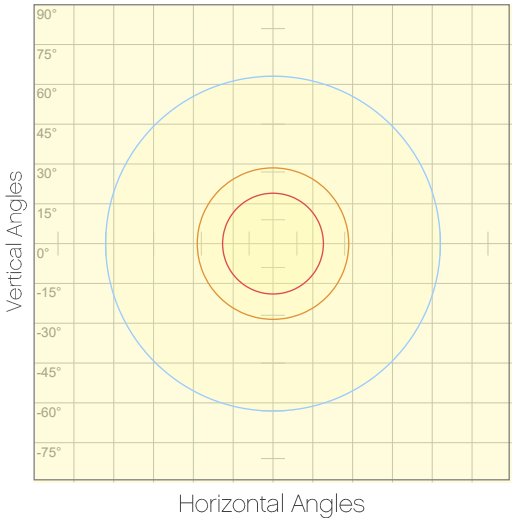
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

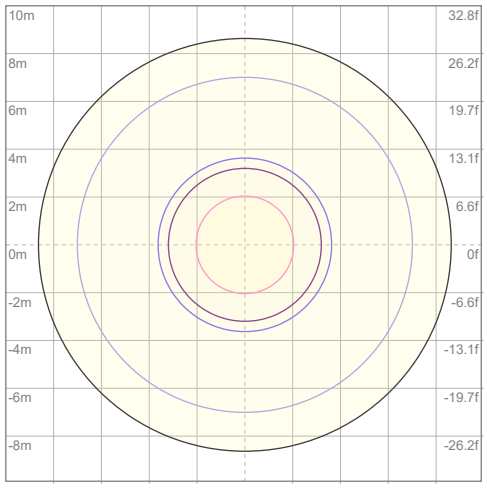
Polar Diagrams



iso-candela Diagram

10%	2 cd
20%	4 cd
30%	6 cd
40%	7 cd
50%	9 cd
60%	11 cd
70%	13 cd
80%	15 cd
90%	17 cd

Conditions:
Number of c-planes: 2
Candela at center: 18 cd



iso-illuminance Diagram

3%	5.51m lx
5%	9.18m lx
10%	18.4m lx
30%	55.1m lx
50%	91.8m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.184 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 STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 215 lm
Peak Intensity: 20.2 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

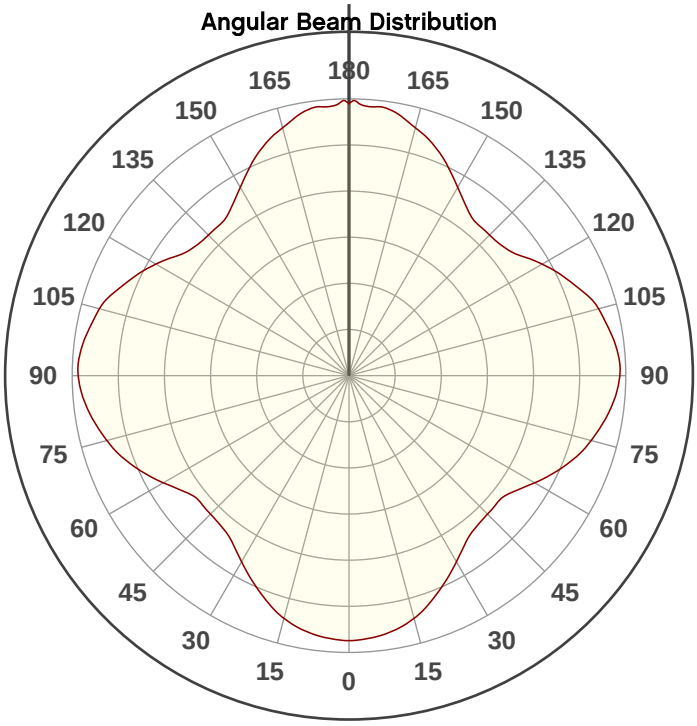
Conditions

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 10/2/2020 to LM-63-2002 Standards.

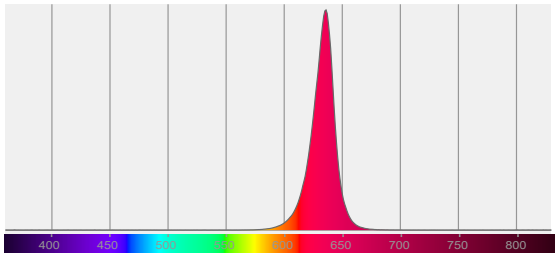
Overall Measurement

Angular Beam Distribution

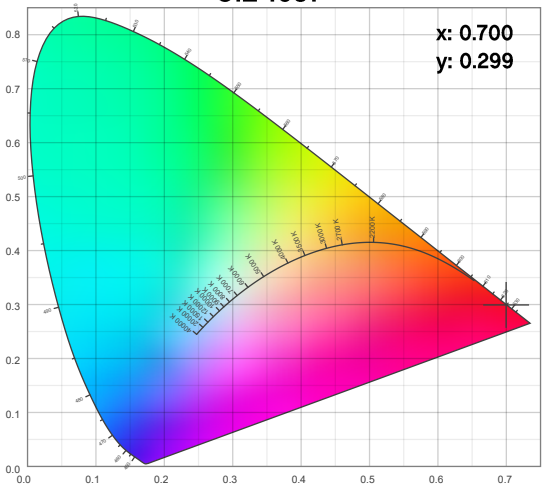


Beam Angle **360°**

Spectral Distribution



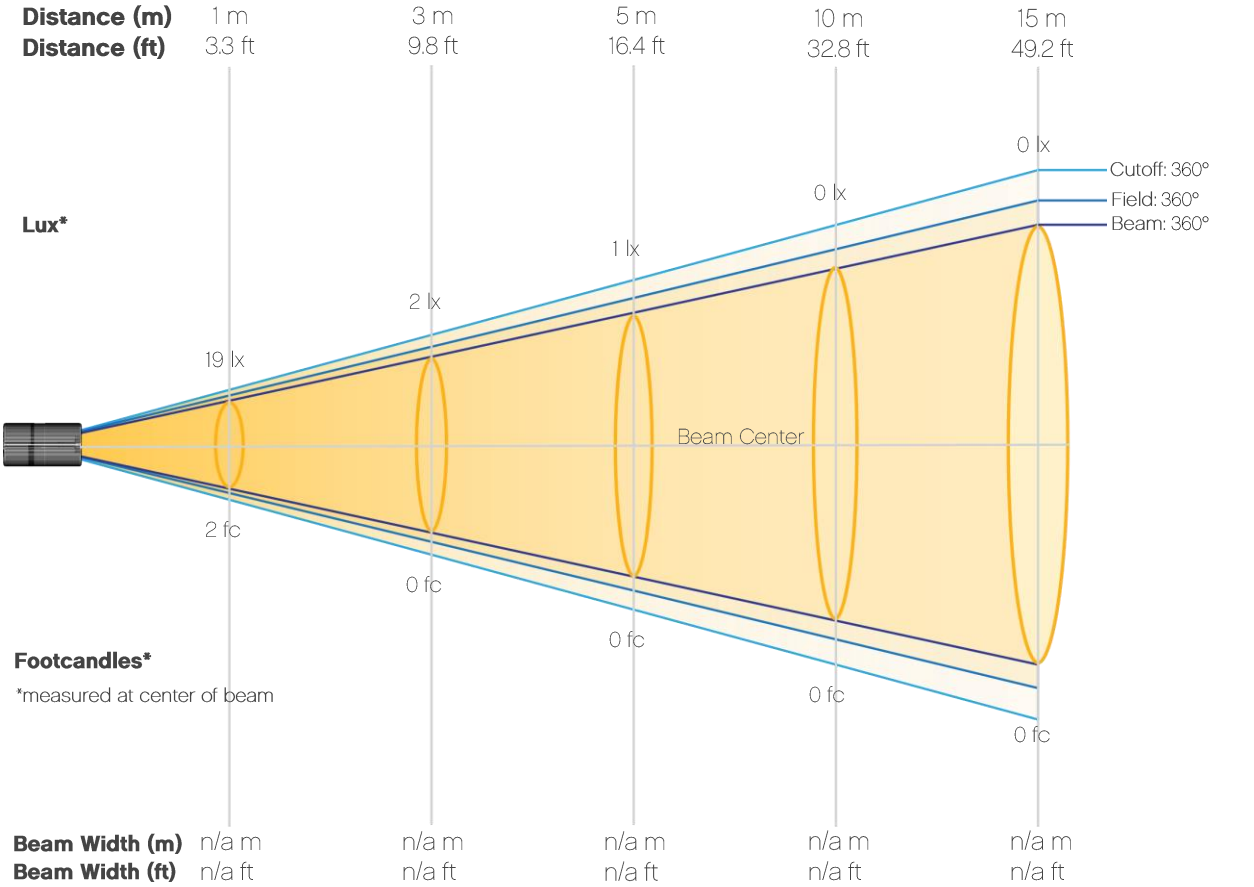
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



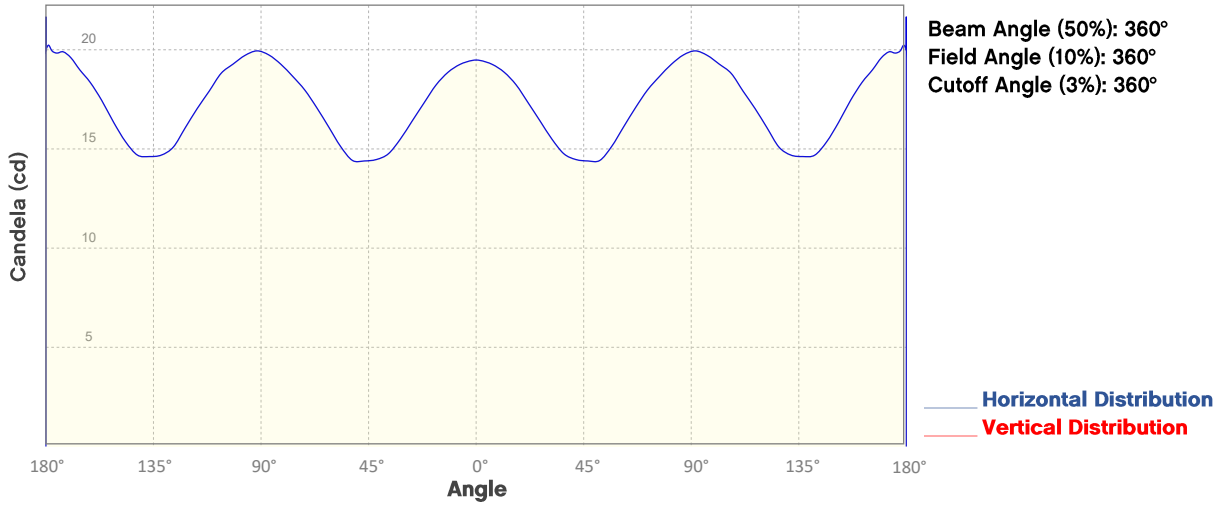
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	19	5	2	1	1	1	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2	0	0	0	0	0	0	0	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

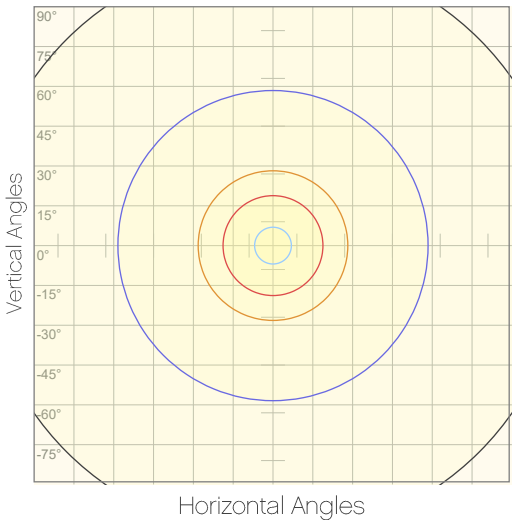
Well STX 360: Standard Optic, Red Only

Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

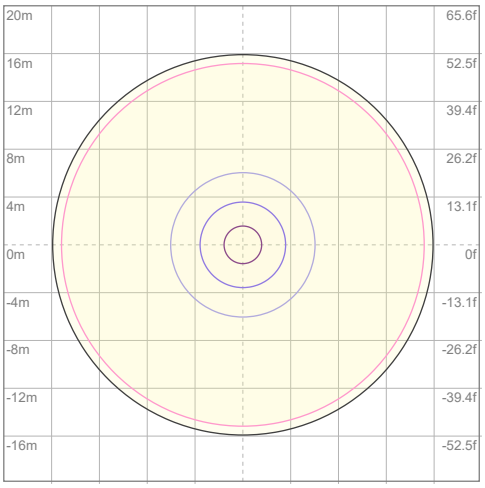
Polar Diagrams



iso-candela Diagram

10%	2 cd
20%	4 cd
30%	6 cd
40%	8 cd
50%	10 cd
60%	12 cd
70%	14 cd
80%	16 cd
90%	18 cd

Conditions:
Number of c-planes: 2
Candela at center: 19 cd



iso-illuminance Diagram

3%	5.84m lx
5%	9.73m lx
10%	19.5m lx
30%	58.4m lx
50%	97.3m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.195 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 STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 215 lm
Peak Intensity: 20.3 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

Conditions

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

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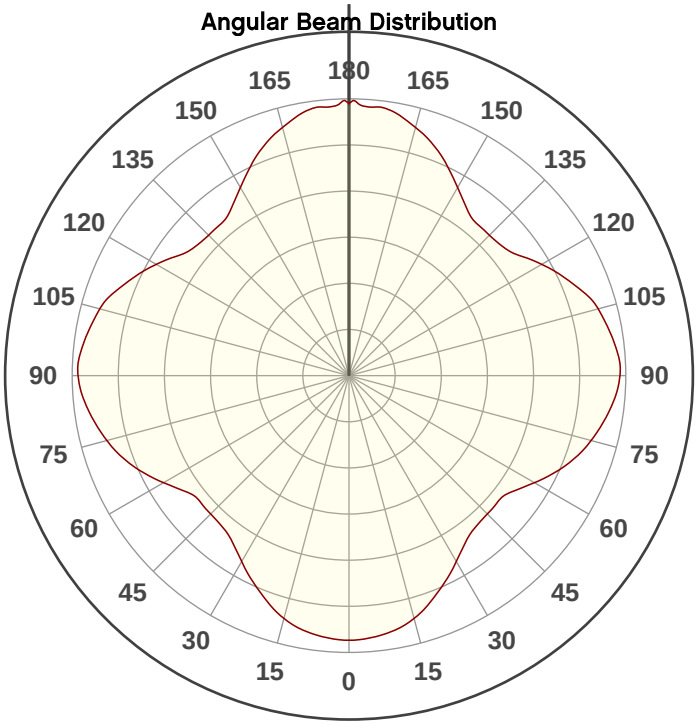
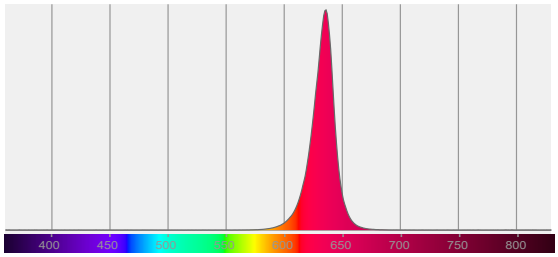
Overall Measurement

Angular Beam Distribution

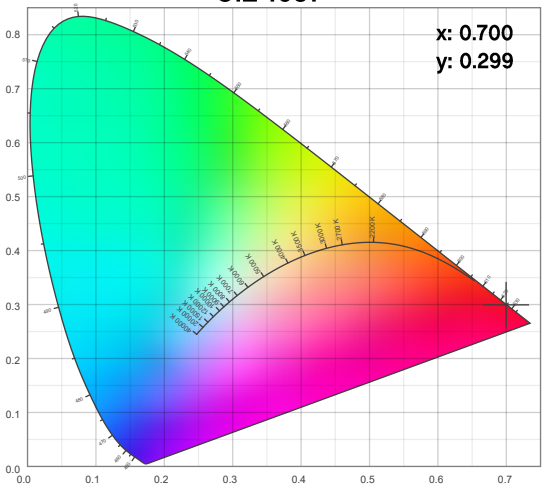


Beam Angle **360°**

Spectral Distribution



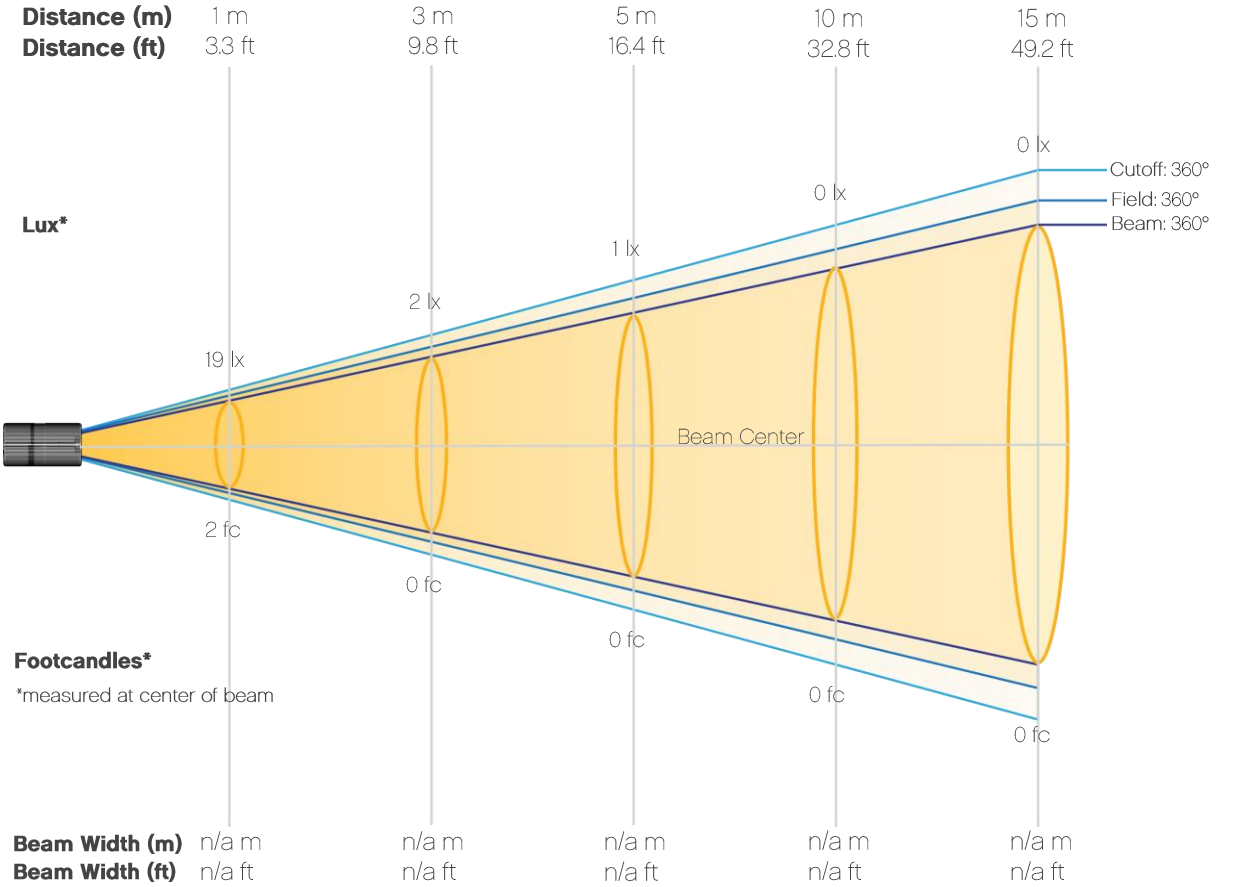
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



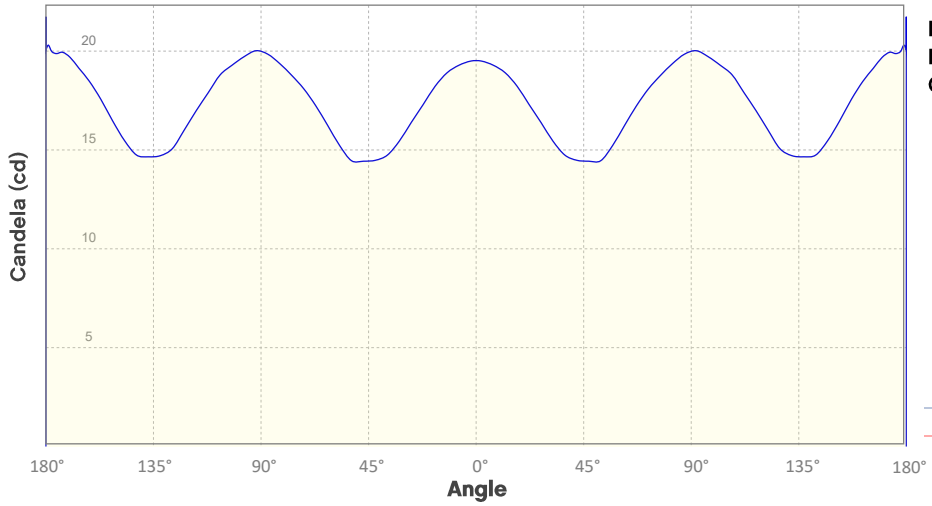
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	19	5	2	1	1	1	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2	0	0	0	0	0	0	0	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 STX 360: Standard Optic, Red Only

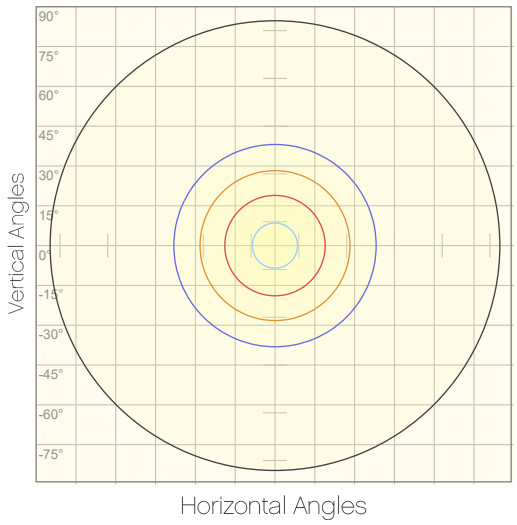
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

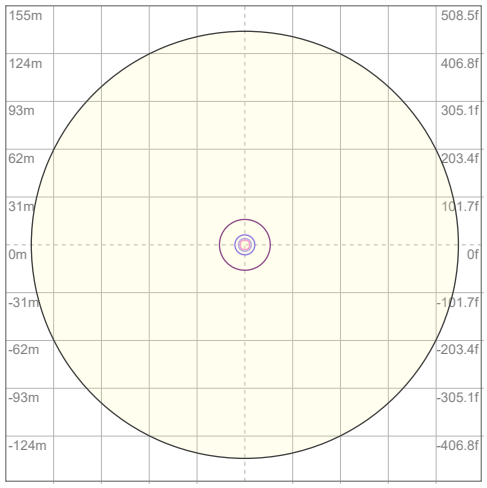
Polar Diagrams



iso-candela Diagram

10%	2 cd
20%	4 cd
30%	6 cd
40%	8 cd
50%	10 cd
60%	12 cd
70%	14 cd
80%	16 cd
90%	18 cd

Conditions:
Number of c-planes: 2
Candela at center: 19 cd



iso-illuminance Diagram

3%	5.85m lx
5%	9.75m lx
10%	19.5m lx
30%	58.5m lx
50%	97.5m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.195 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 STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 160 lm
Peak Intensity: 15.1 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

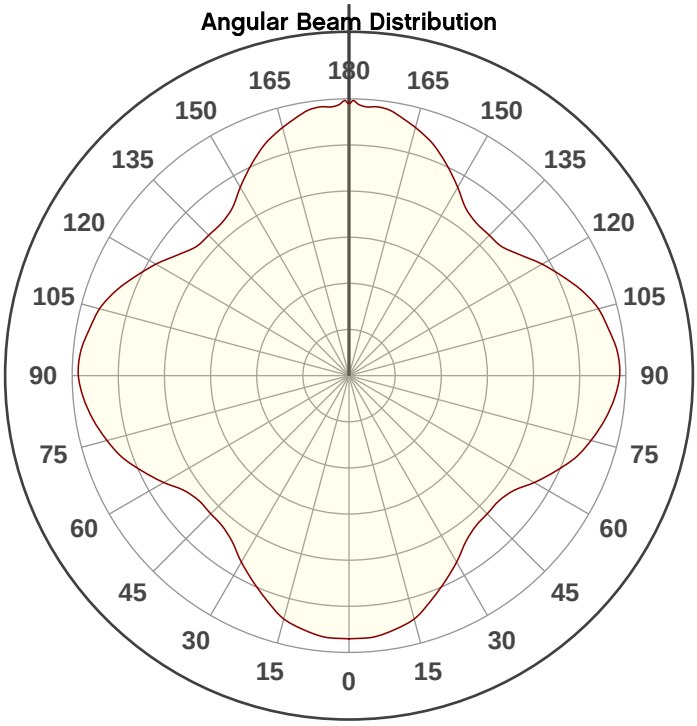
Conditions

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 10/2/2020 to LM-63-2002 Standards.

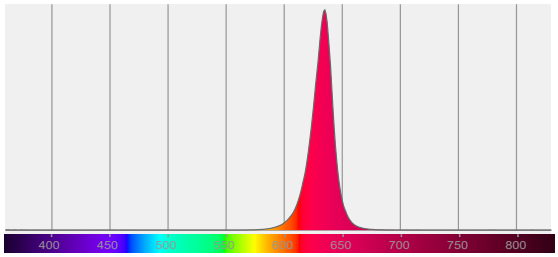
Overall Measurement

Angular Beam Distribution

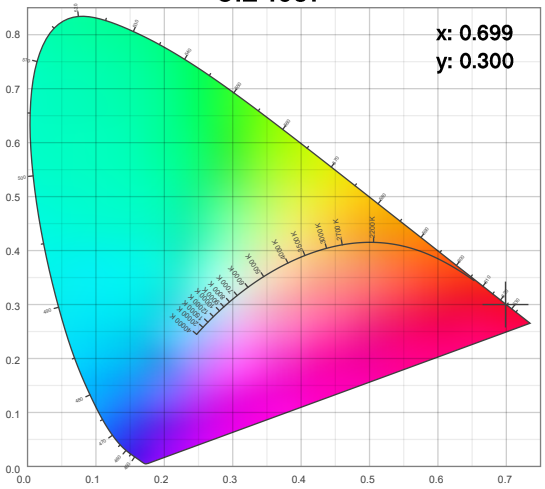


Beam Angle **360°**

Spectral Distribution



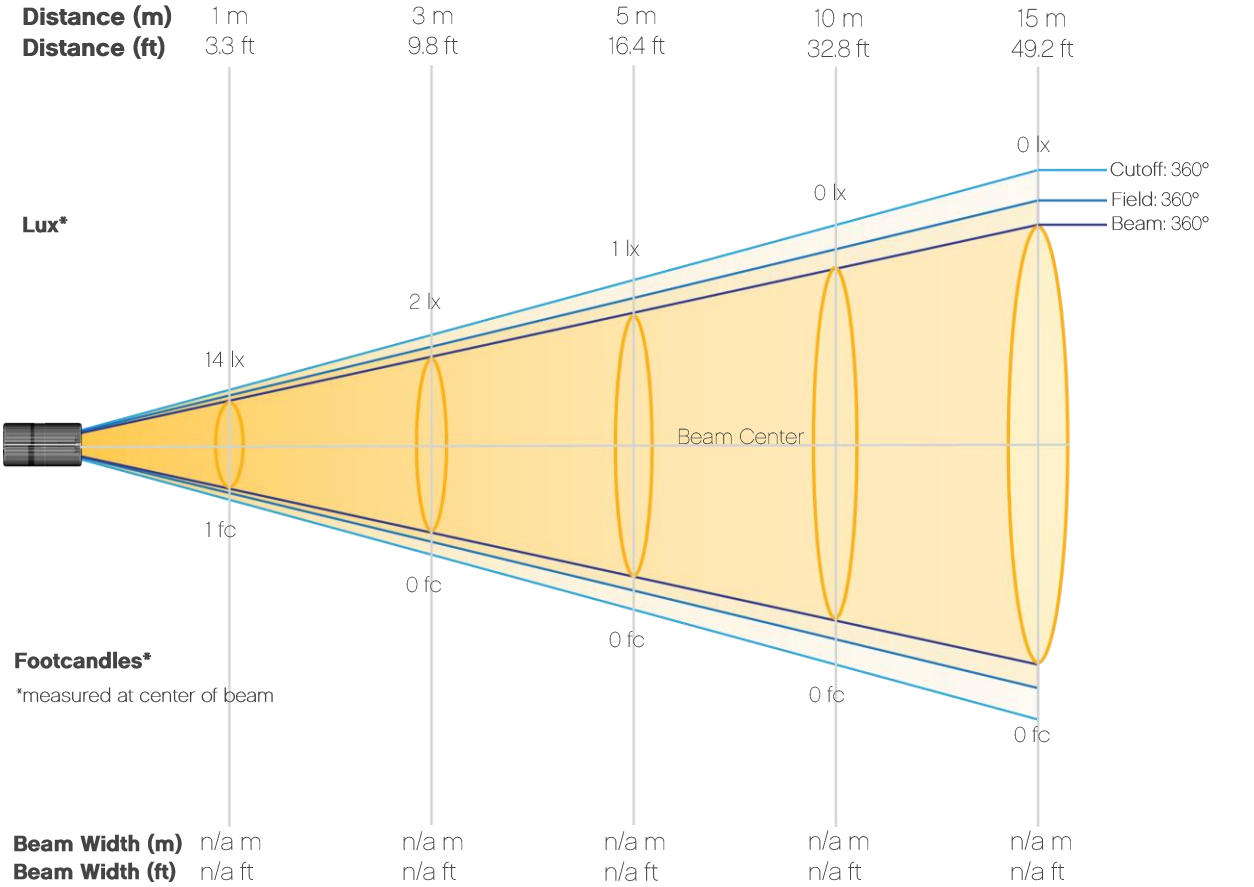
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



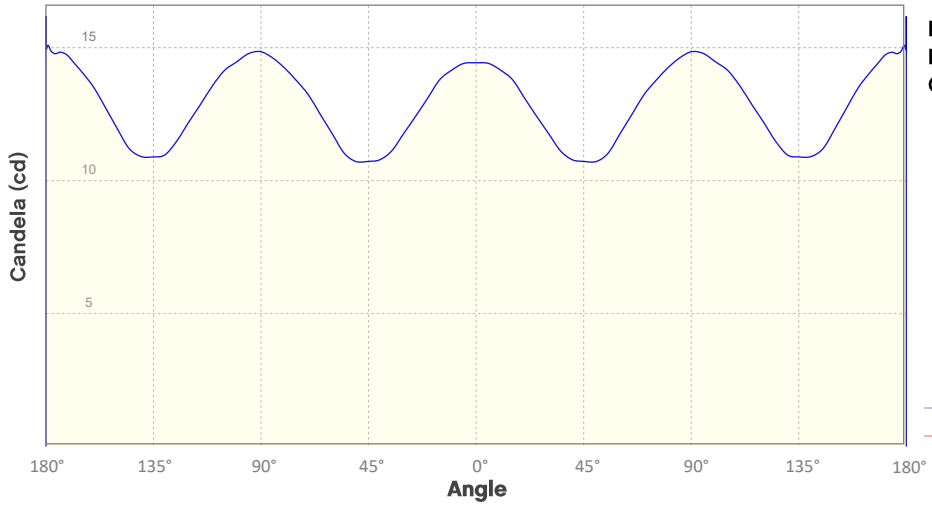
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	14	4	2	1	1	0	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1	0	0	0	0	0	0	0	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 STX 360: Standard Optic, Red Only

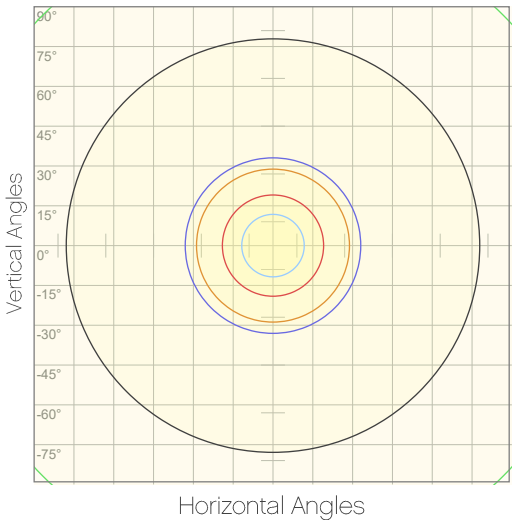
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

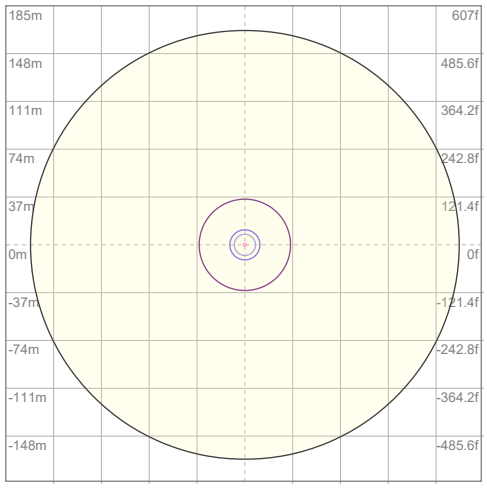
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	3 cd
30%	4 cd
40%	6 cd
50%	7 cd
60%	9 cd
70%	10 cd
80%	12 cd
90%	13 cd

Conditions:
Number of c-planes: 2
Candela at center: 14 cd



iso-illuminance Diagram

3%	4.33m lx
5%	7.22m lx
10%	14.4m lx
30%	43.3m lx
50%	72.2m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.144 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 STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 484 lm
Peak Intensity: 44.7 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

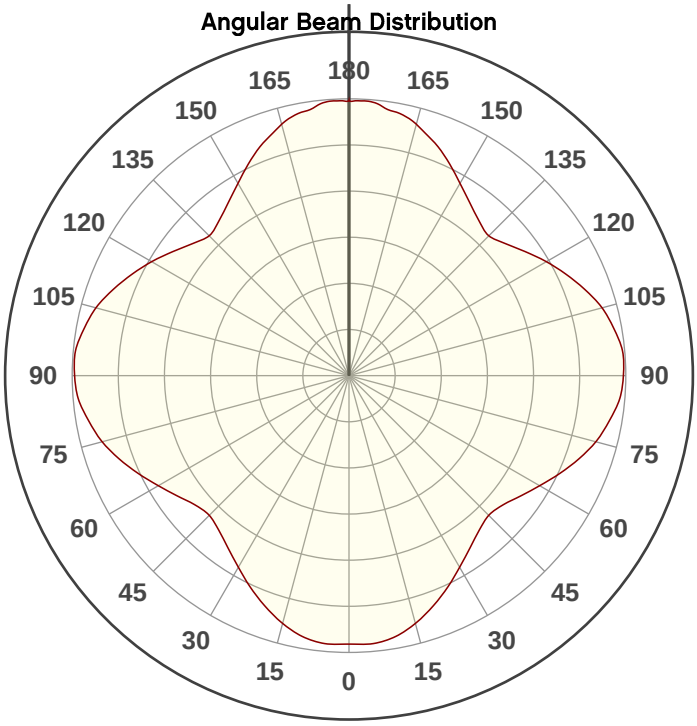
Conditions

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 10/2/2020 to LM-63-2002 Standards.

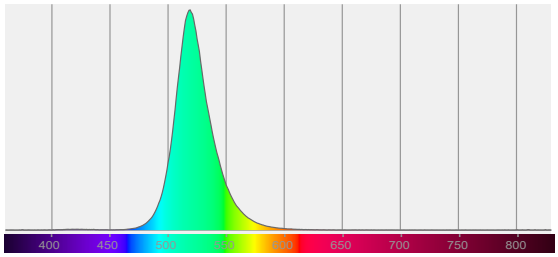
Overall Measurement

Angular Beam Distribution

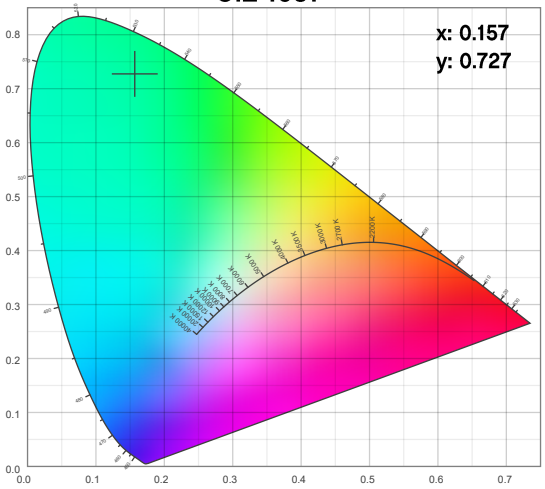


Beam Angle **360°**

Spectral Distribution



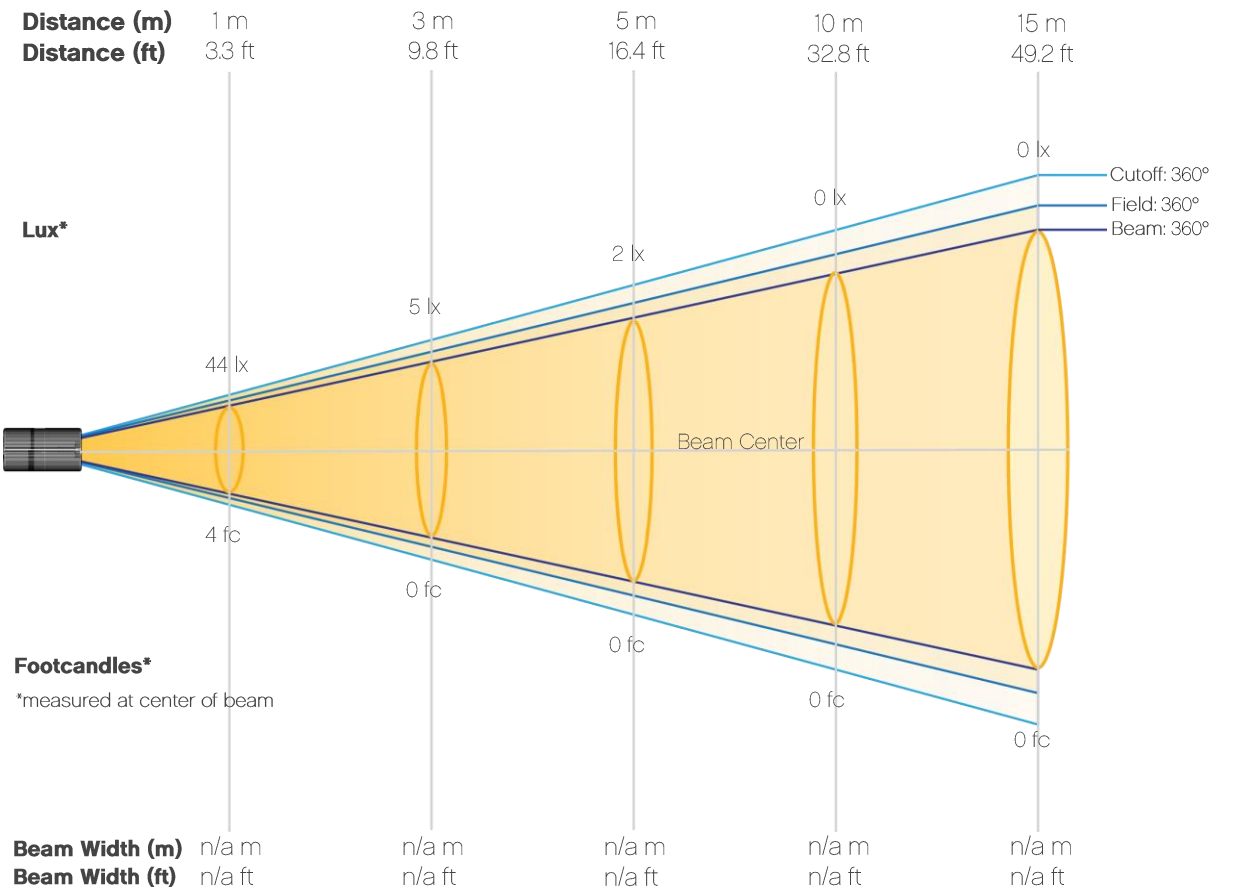
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



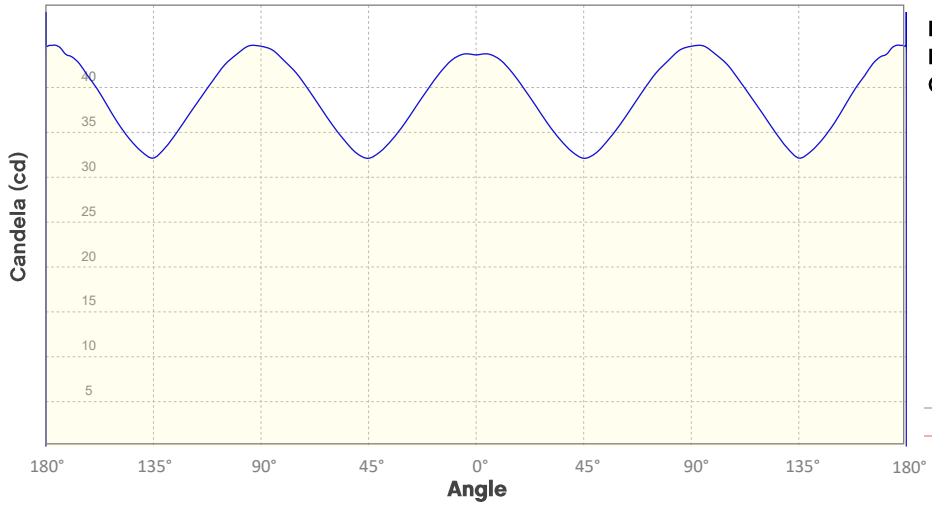
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	44	11	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4	1	0	0	0	0	0	0	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 STX 360: Standard Optic, Green Only

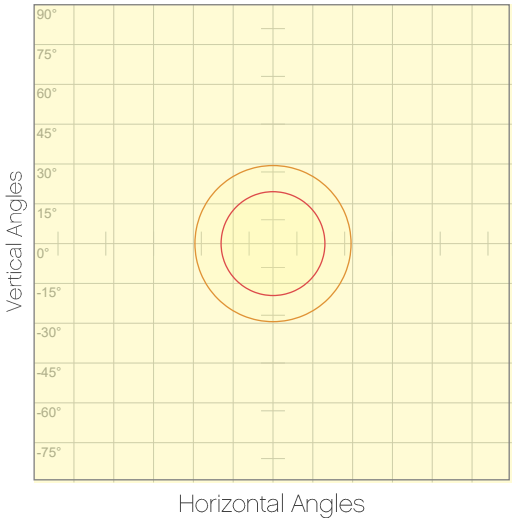
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

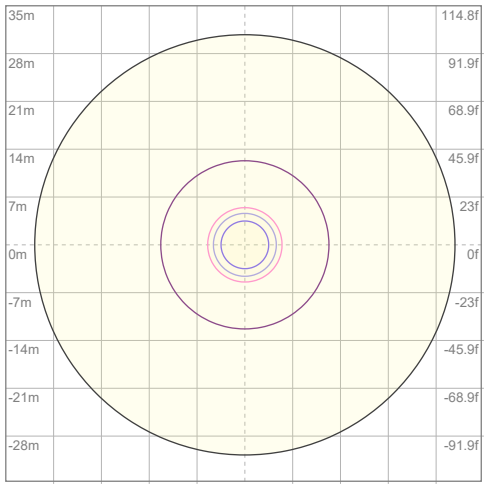
Polar Diagrams



iso-candela Diagram

10%	4 cd
20%	9 cd
30%	13 cd
40%	17 cd
50%	22 cd
60%	26 cd
70%	31 cd
80%	35 cd
90%	39 cd

Conditions:
Number of c-planes: 2
Candela at center: 44 cd



iso-illuminance Diagram

3%	13.1m lx
5%	21.8m lx
10%	43.6m lx
30%	0.131 lx
50%	0.218 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.436 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 STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 473 lm
Peak Intensity: 43.7 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

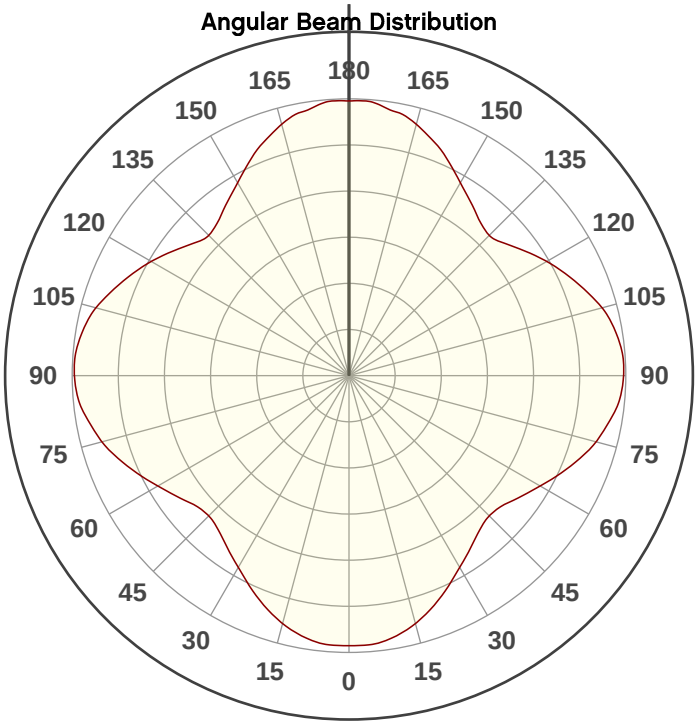
Conditions

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 10/2/2020 to LM-63-2002 Standards.

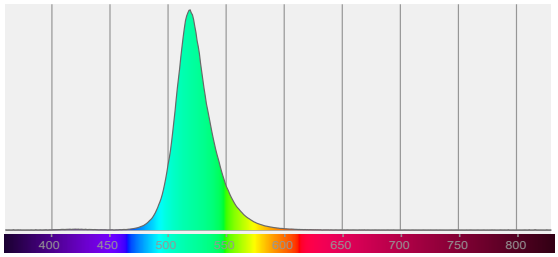
Overall Measurement

Angular Beam Distribution

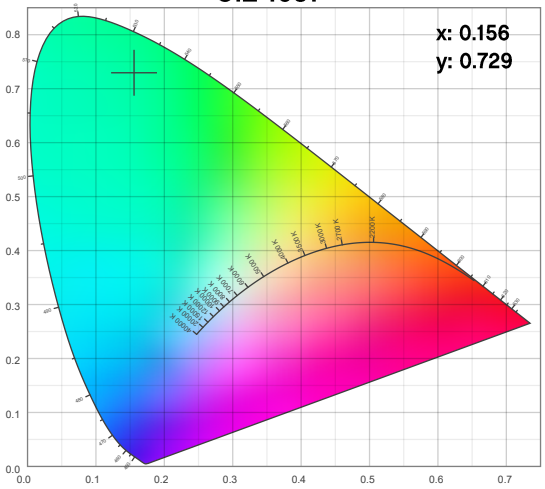


Beam Angle **360°**

Spectral Distribution



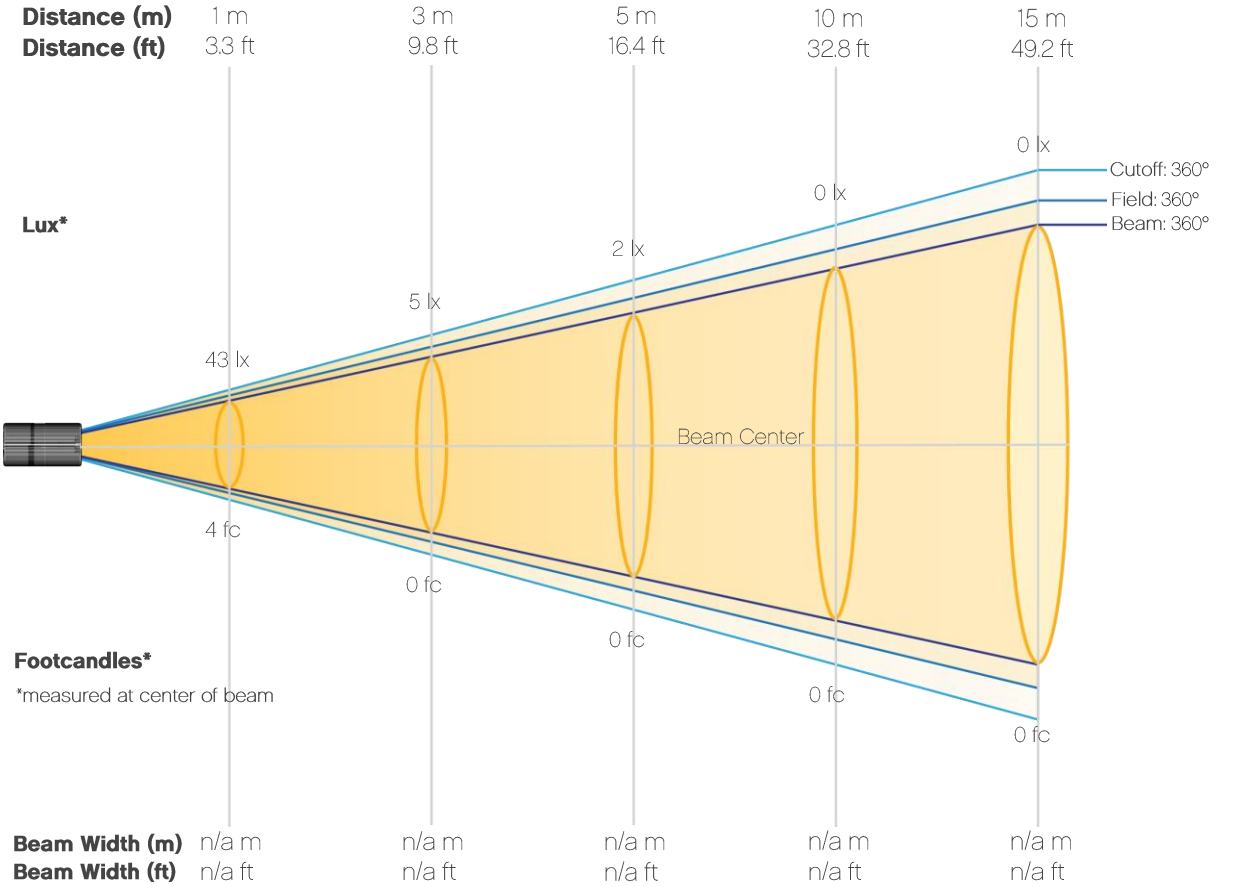
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



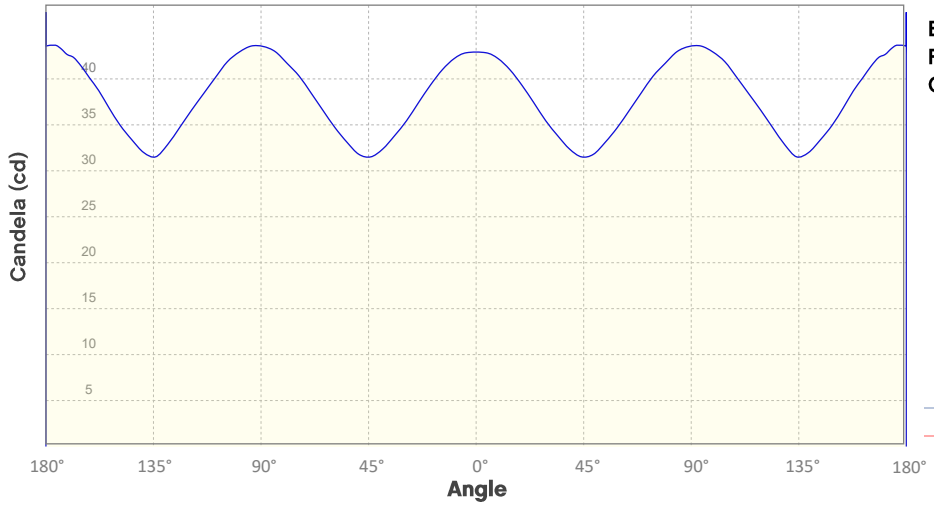
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	43	11	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4	1	0	0	0	0	0	0	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 STX 360: Standard Optic, Green Only

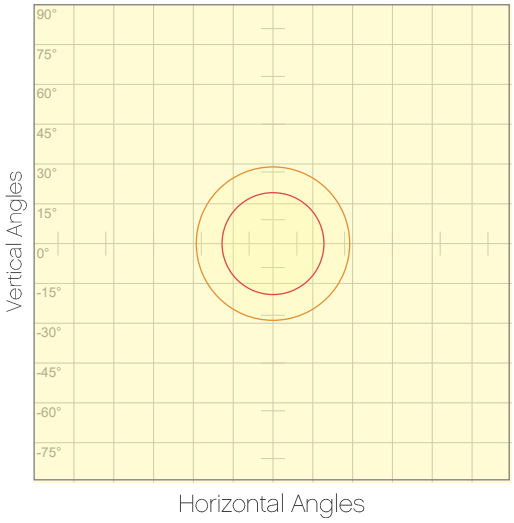
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

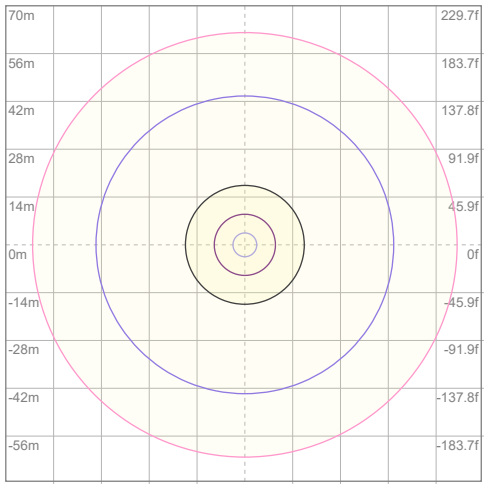
Polar Diagrams



iso-candela Diagram

	10%	4 cd
	20%	9 cd
	30%	13 cd
	40%	17 cd
	50%	21 cd
	60%	26 cd
	70%	30 cd
	80%	34 cd
	90%	39 cd

Conditions:
Number of c-planes: 2
Candela at center: 43 cd



iso-illuminance Diagram

	3%	12.9m lx
	5%	21.4m lx
	10%	42.8m lx
	30%	0.129 lx
	50%	0.214 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.428 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 STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 476 lm
Peak Intensity: 43.9 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

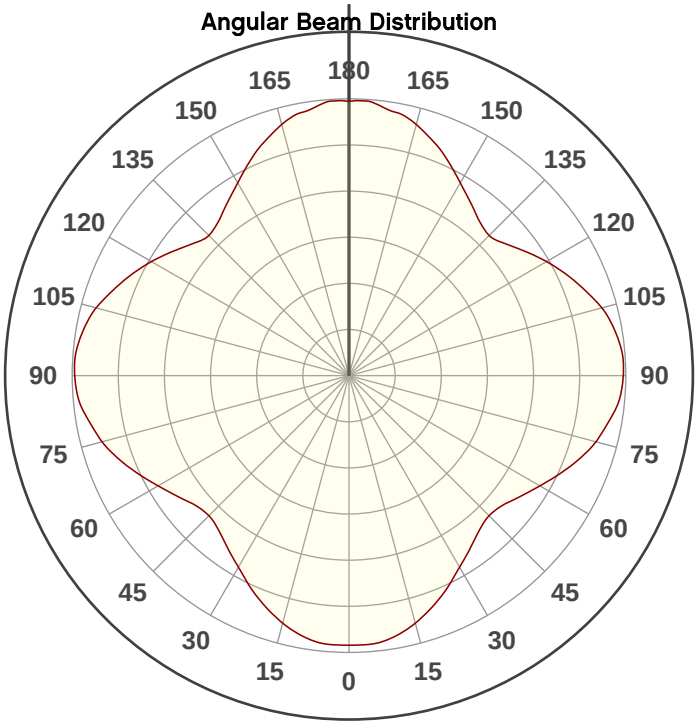
Conditions

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 10/2/2020 to LM-63-2002 Standards.

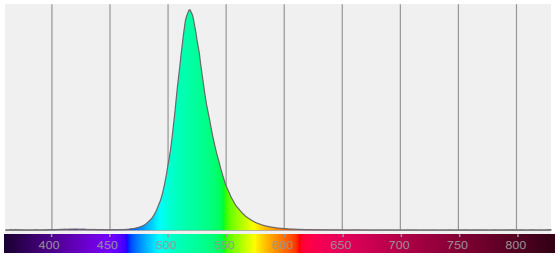
Overall Measurement

Angular Beam Distribution

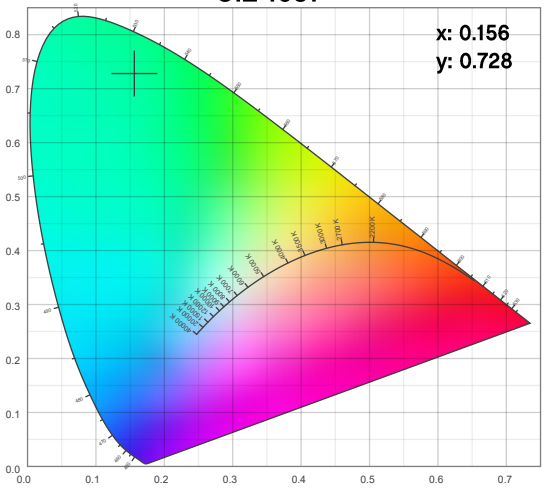


Beam Angle **360°**

Spectral Distribution



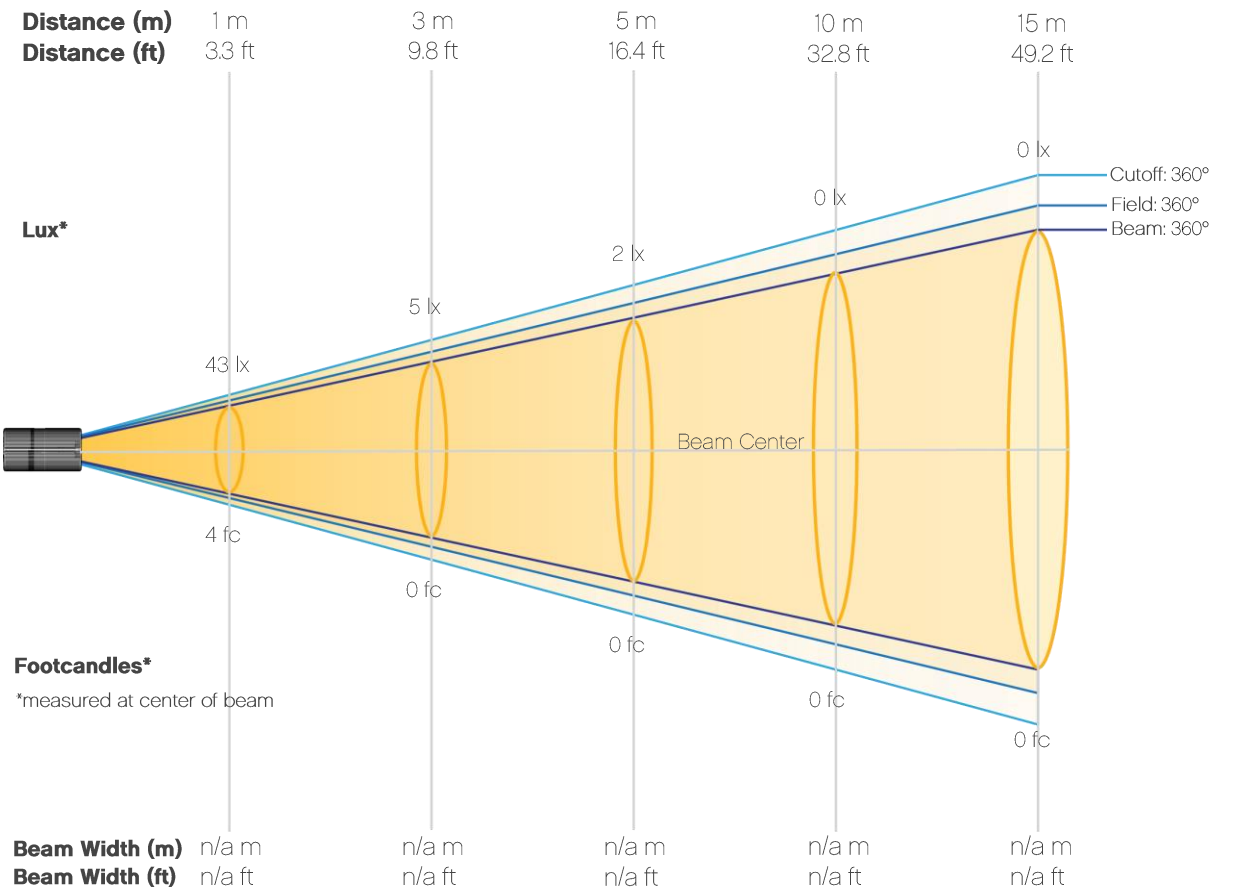
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



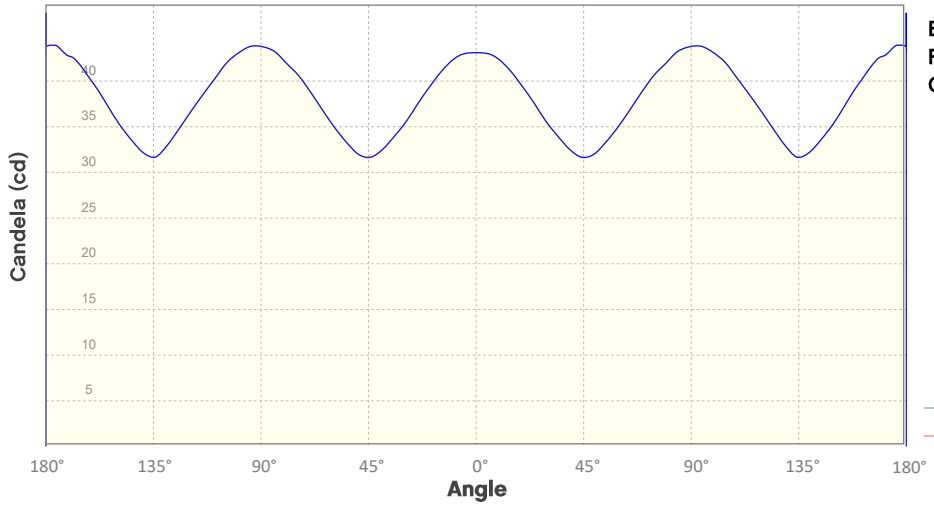
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	43	11	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4	1	0	0	0	0	0	0	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 STX 360: Standard Optic, Green Only

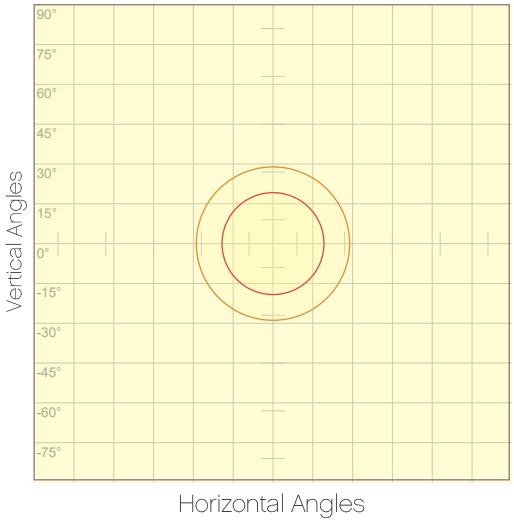
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

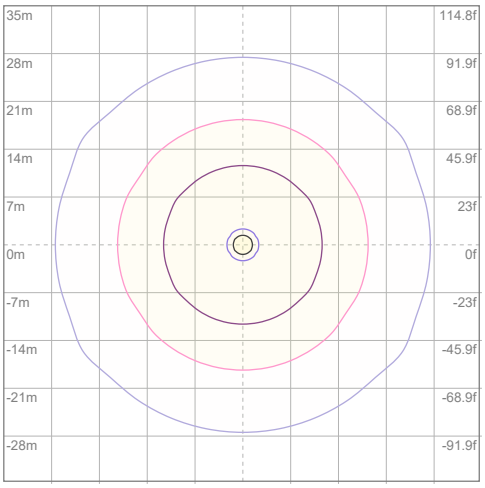
Polar Diagrams



iso-candela Diagram

10%	4 cd
20%	9 cd
30%	13 cd
40%	17 cd
50%	22 cd
60%	26 cd
70%	30 cd
80%	34 cd
90%	39 cd

Conditions:
Number of c-planes: 2
Candela at center: 43 cd



iso-illuminance Diagram

3%	12.9m lx
5%	21.5m lx
10%	43.0m lx
30%	0.129 lx
50%	0.215 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.430 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 STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 334 lm
Peak Intensity: 30.8 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

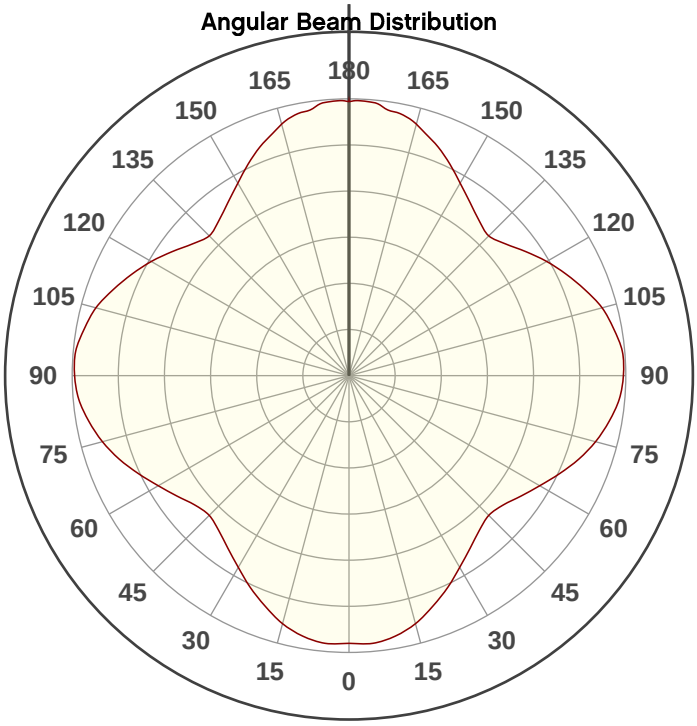
Conditions

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 10/2/2020 to LM-63-2002 Standards.

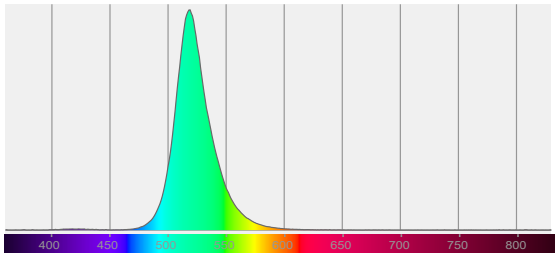
Overall Measurement

Angular Beam Distribution

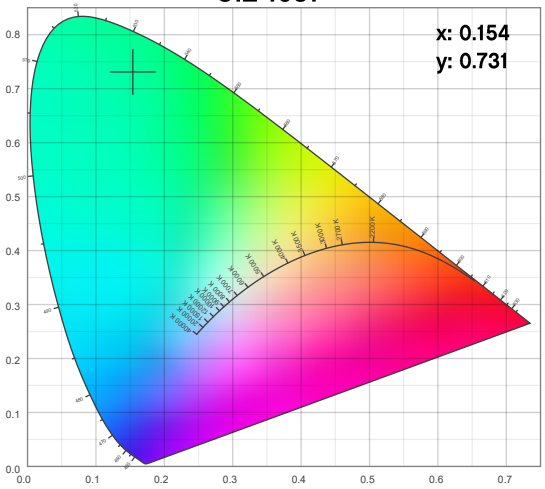


Beam Angle **360°**

Spectral Distribution



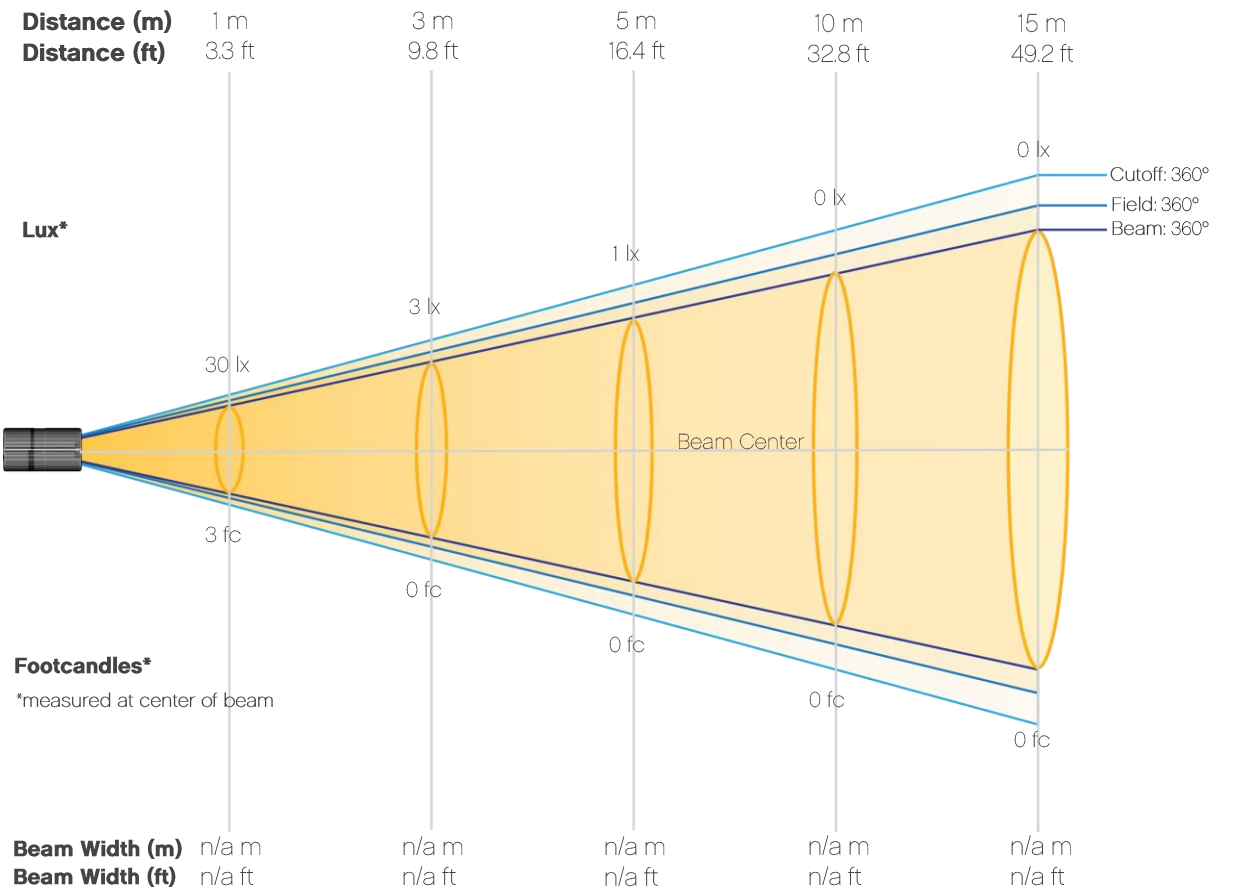
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



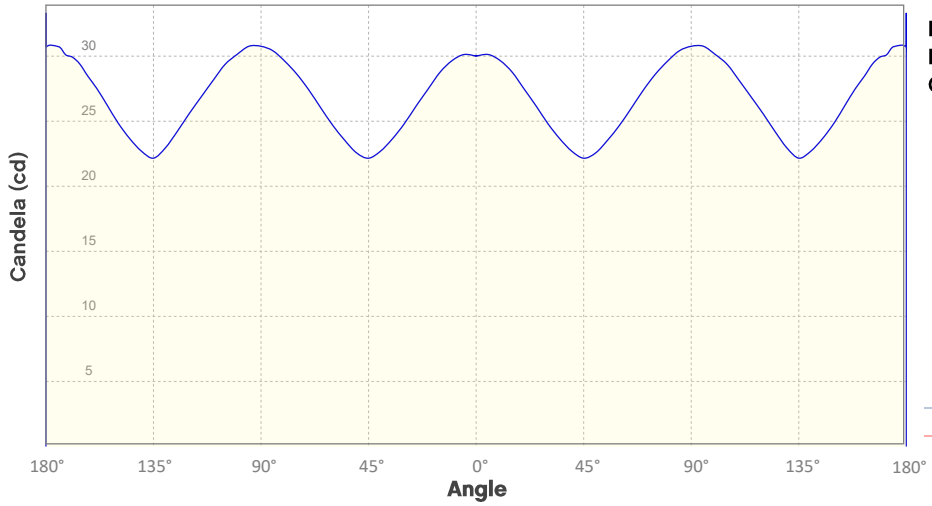
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	30	8	3	2	1	1	1	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	3	1	0	0	0	0	0	0	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 STX 360: Standard Optic, Green Only

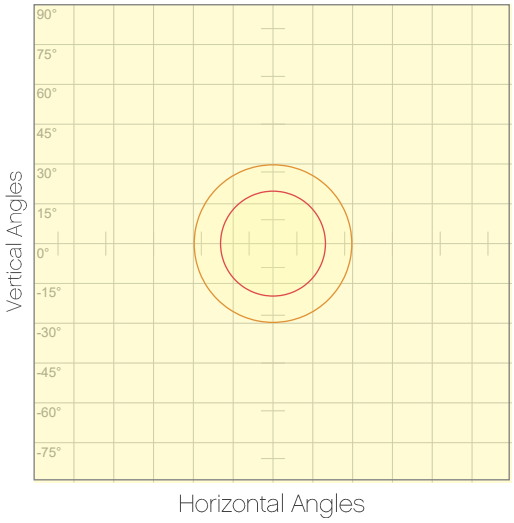
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

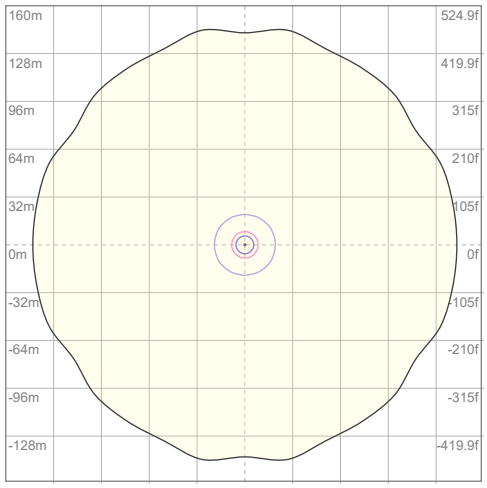
Polar Diagrams



iso-candela Diagram

10%	3 cd
20%	6 cd
30%	9 cd
40%	12 cd
50%	15 cd
60%	18 cd
70%	21 cd
80%	24 cd
90%	27 cd

Conditions:
Number of c-planes: 2
Candela at center: 30 cd



iso-illuminance Diagram

3%	9.00m lx
5%	15.0m lx
10%	30.0m lx
30%	90.0m lx
50%	0.150 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.300 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 STX 360: no filter, Blue Only

Report Summary

Output

Total Lumens: 102 lm
Peak Intensity: 9.45 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

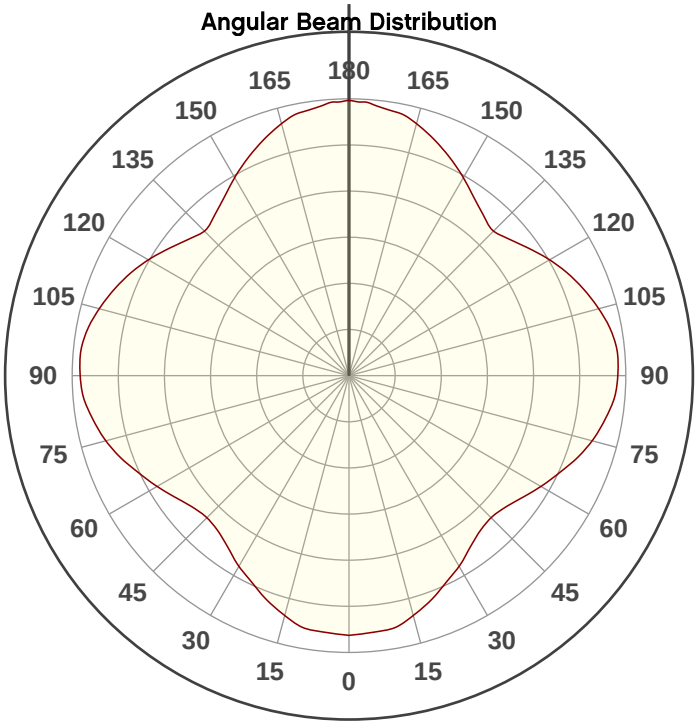
Conditions

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 10/2/2020 to LM-63-2002 Standards.

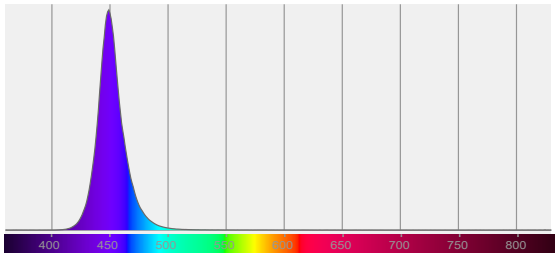
Overall Measurement

Angular Beam Distribution

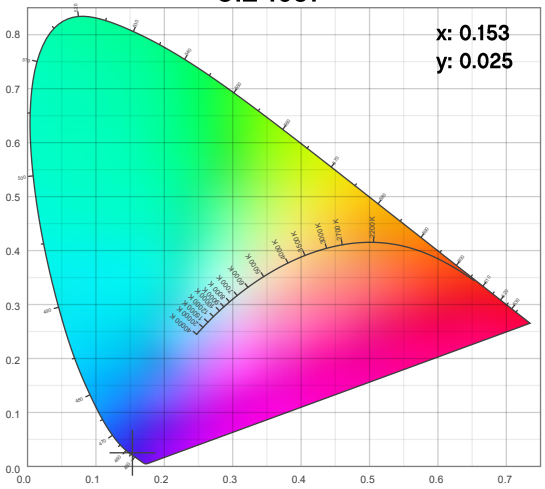


Beam Angle **360°**

Spectral Distribution



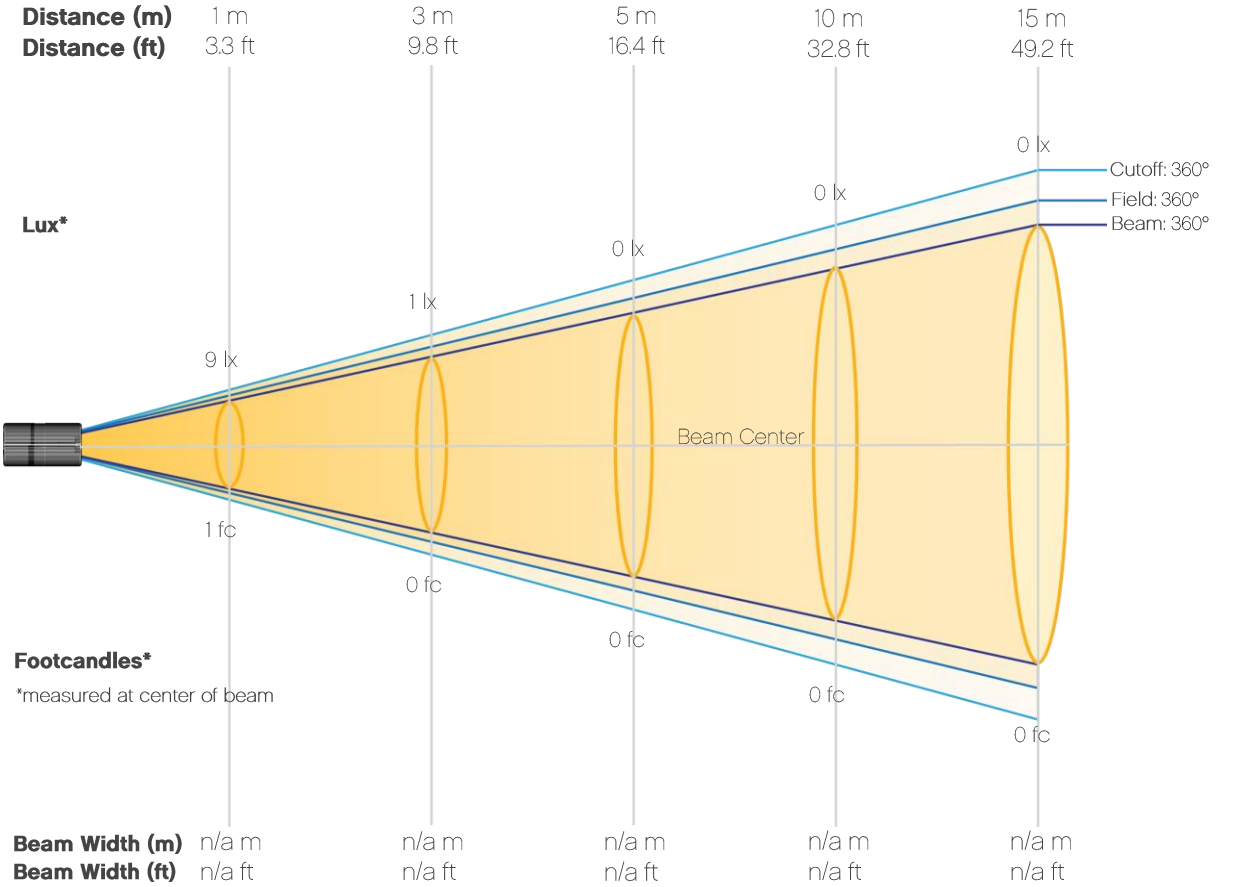
CIE 1931



Photometric Report

Well STX 360: no filter, Blue Only

Beam Details



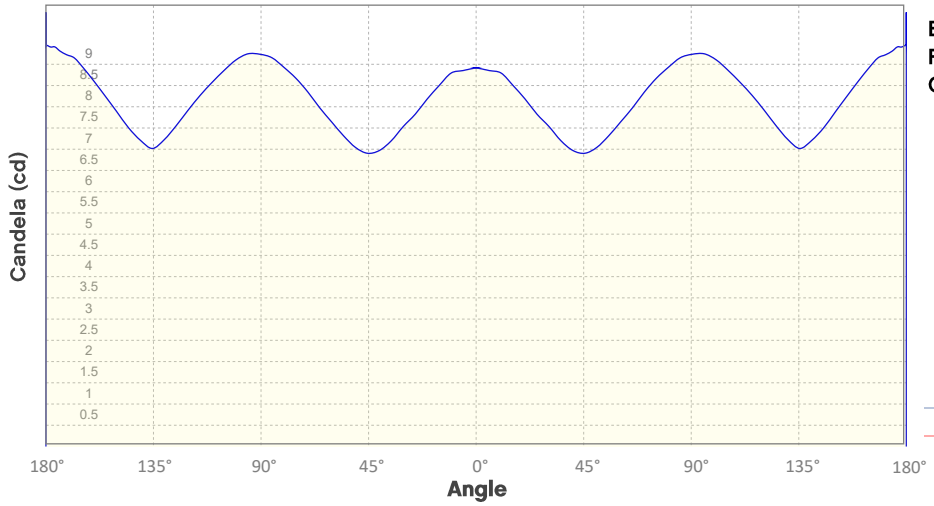
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	9	2	1	1	0	0	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1	0	0	0	0	0	0	0	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 STX 360: no filter, Blue Only

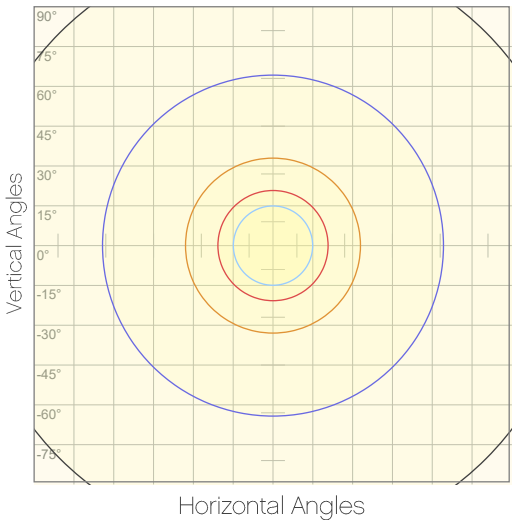
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

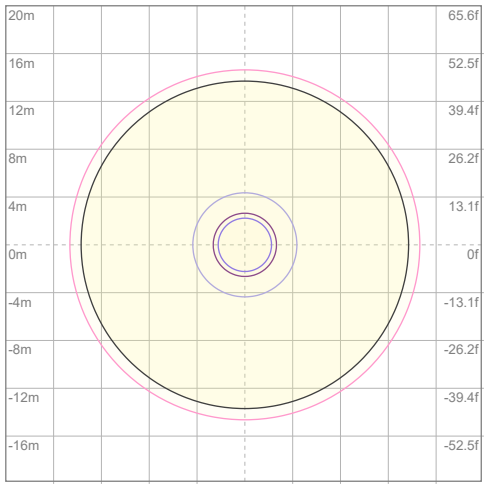
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	2 cd
30%	3 cd
40%	4 cd
50%	4 cd
60%	5 cd
70%	6 cd
80%	7 cd
90%	8 cd

Conditions:
Number of c-planes: 2
Candela at center: 9 cd



iso-illuminance Diagram

3%	2.67m lx
5%	4.46m lx
10%	8.91m lx
30%	26.7m lx
50%	44.6m lx

Conditions:
Number of c-planes: 2
Lux at center: 89.1m 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 STX 360: no filter, Blue Only

Report Summary

Output

Total Lumens: 102 lm
Peak Intensity: 9.44 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

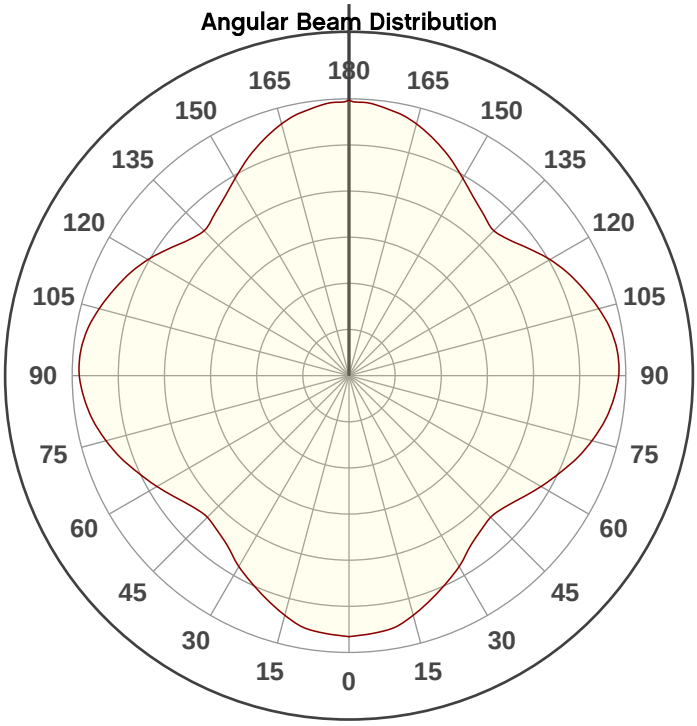
Conditions

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 10/2/2020 to LM-63-2002 Standards.

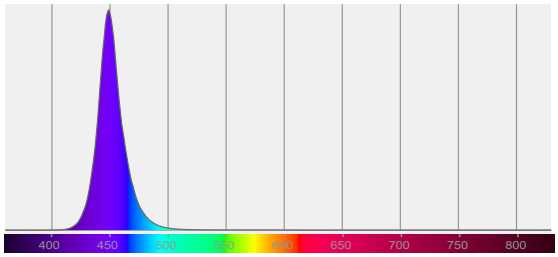
Overall Measurement

Angular Beam Distribution

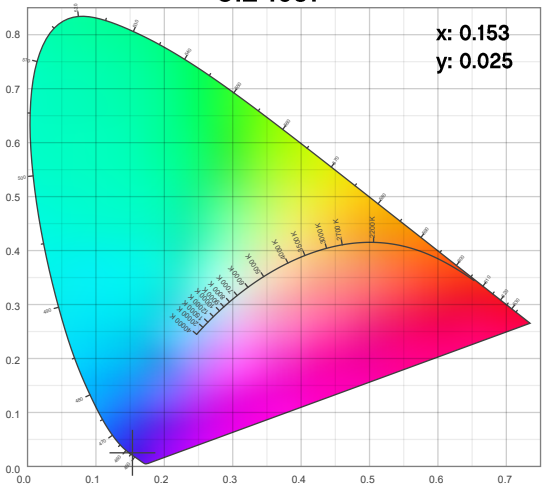


Beam Angle **360°**

Spectral Distribution



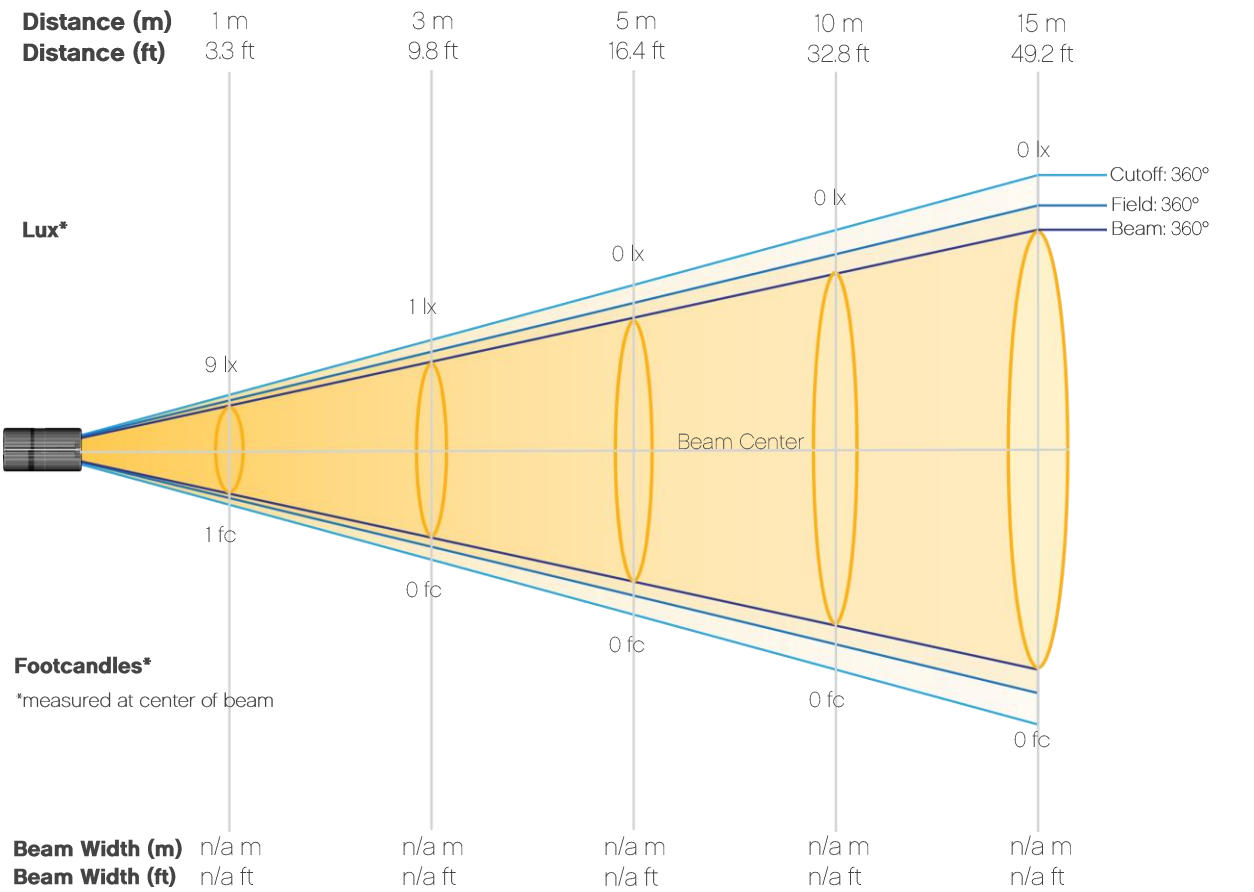
CIE 1931



Photometric Report

Well STX 360: no filter, Blue Only

Beam Details



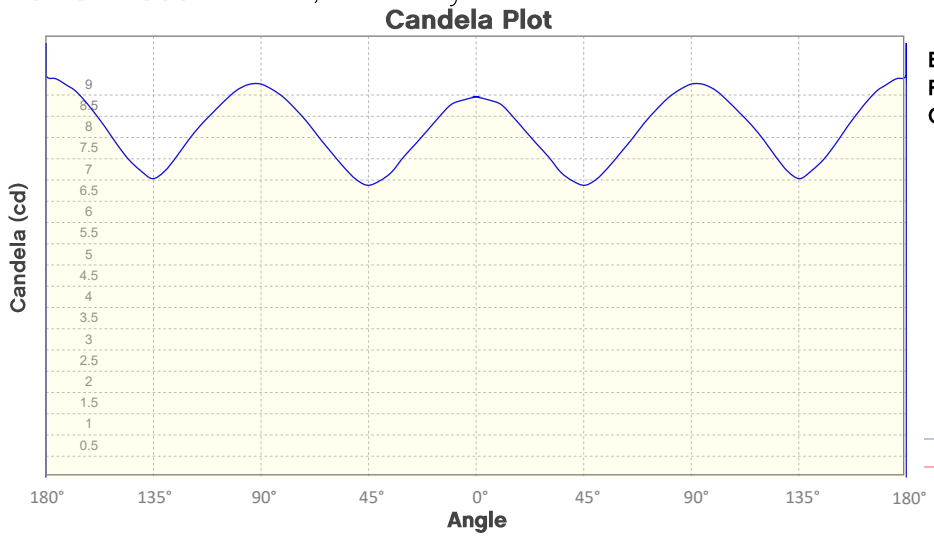
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	9	2	1	1	0	0	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1	0	0	0	0	0	0	0	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 STX 360: no filter, Blue Only

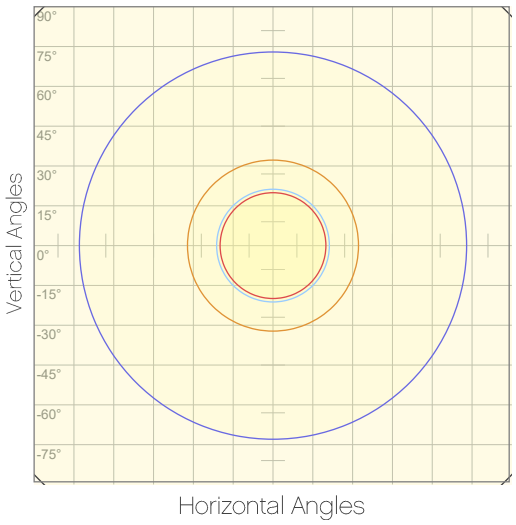
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

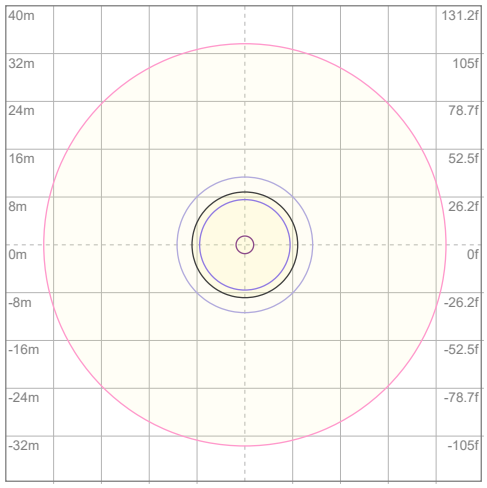
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	2 cd
30%	3 cd
40%	4 cd
50%	4 cd
60%	5 cd
70%	6 cd
80%	7 cd
90%	8 cd

Conditions:
Number of c-planes: 2
Candela at center: 9 cd



iso-illuminance Diagram

3%	2.68m lx
5%	4.47m lx
10%	8.95m lx
30%	26.8m lx
50%	44.7m lx

Conditions:
Number of c-planes: 2
Lux at center: 89.5m 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 STX 360 : no filter, Blue Only

Report Summary

Output

Total Lumens: 103 lm
Peak Intensity: 9.46 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

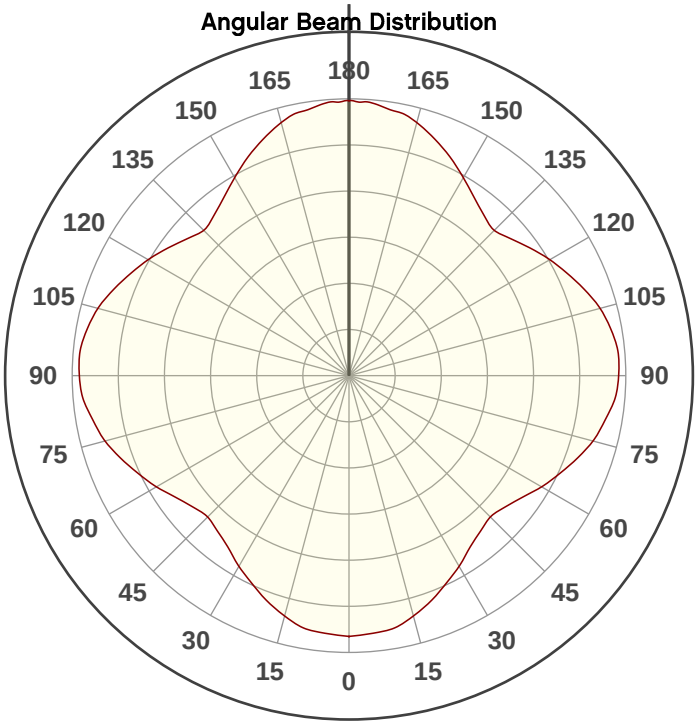
Conditions

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 10/2/2020 to LM-63-2002 Standards.

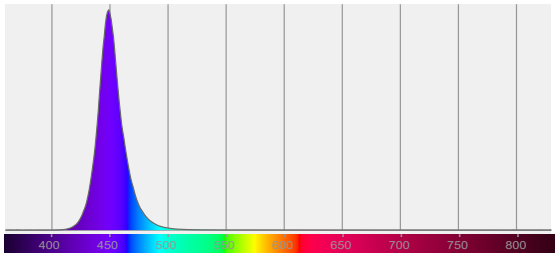
Overall Measurement

Angular Beam Distribution

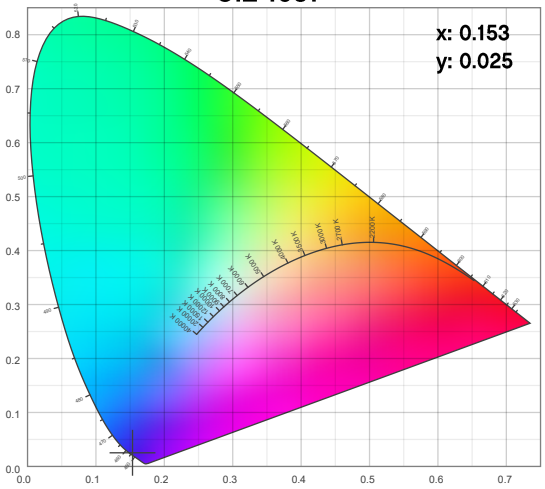


Beam Angle **360°**

Spectral Distribution



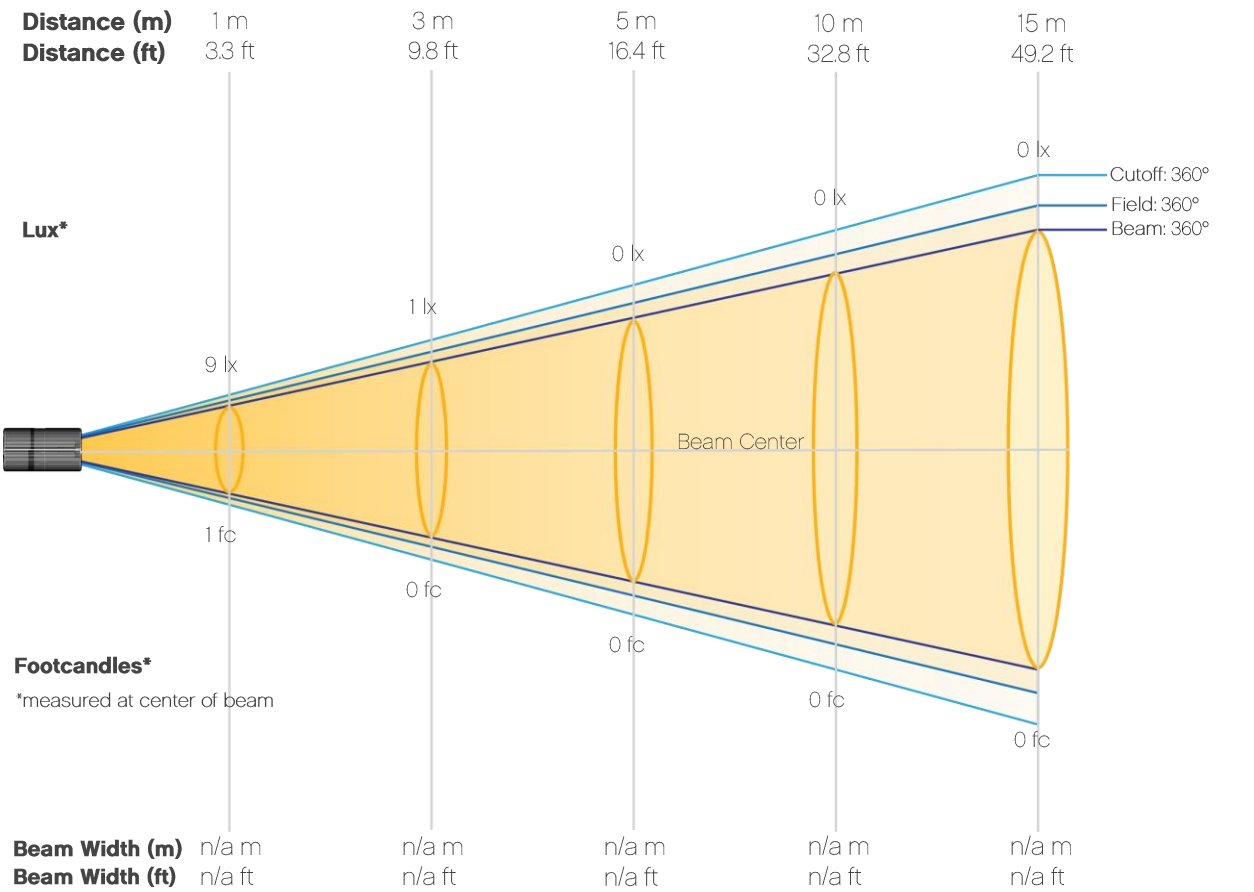
CIE 1931



Photometric Report

Well STX 360 : no filter, Blue Only

Beam Details



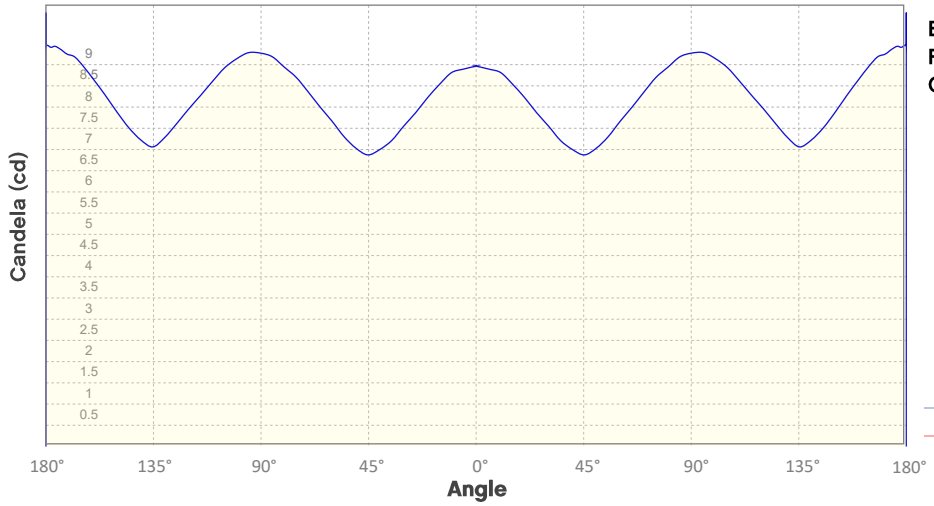
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	9	2	1	1	0	0	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1	0	0	0	0	0	0	0	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 STX 360 : no filter, Blue Only

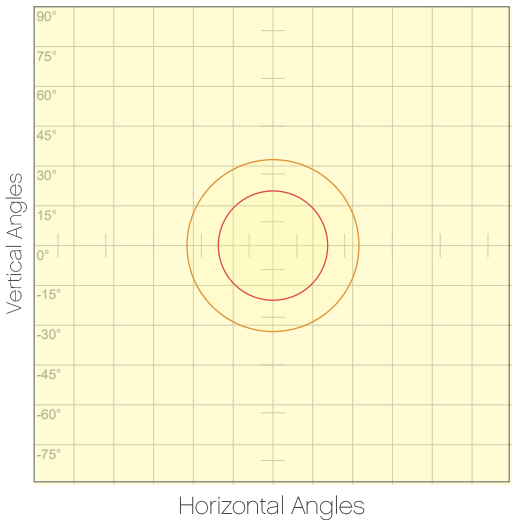
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

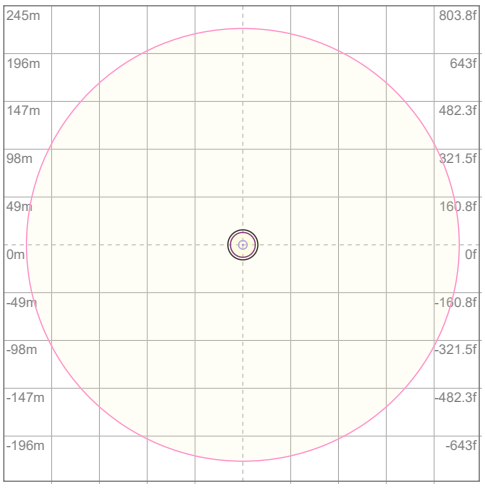
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	2 cd
30%	3 cd
40%	4 cd
50%	4 cd
60%	5 cd
70%	6 cd
80%	7 cd
90%	8 cd

Conditions:
Number of c-planes: 2
Candela at center: 9 cd



iso-illuminance Diagram

3%	2.69m lx
5%	4.48m lx
10%	8.96m lx
30%	26.9m lx
50%	44.8m lx

Conditions:
Number of c-planes: 2
Lux at center: 89.6m 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 STX 360: no filter, Blue Only

Report Summary

Output

Total Lumens: 72.5 lm
Peak Intensity: 6.69 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

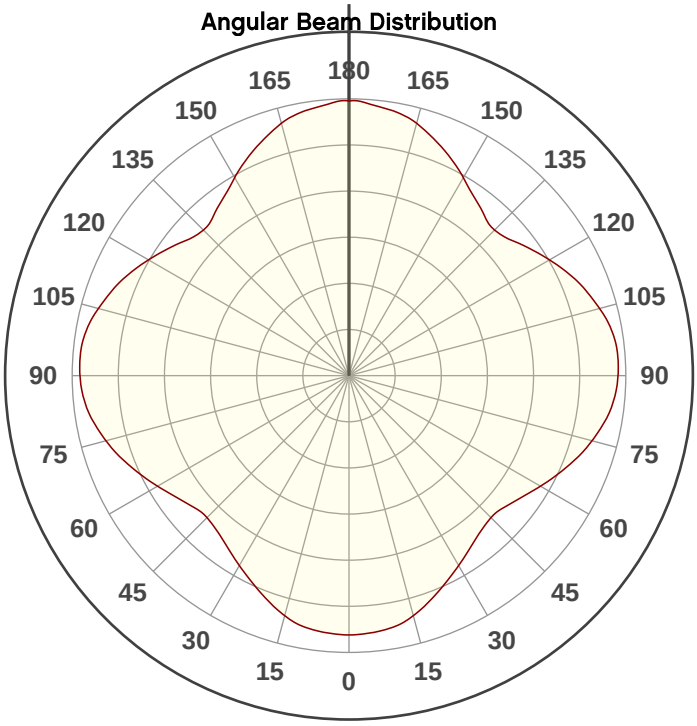
Conditions

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 10/2/2020 to LM-63-2002 Standards.

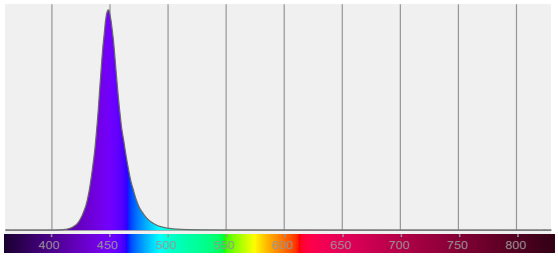
Overall Measurement

Angular Beam Distribution

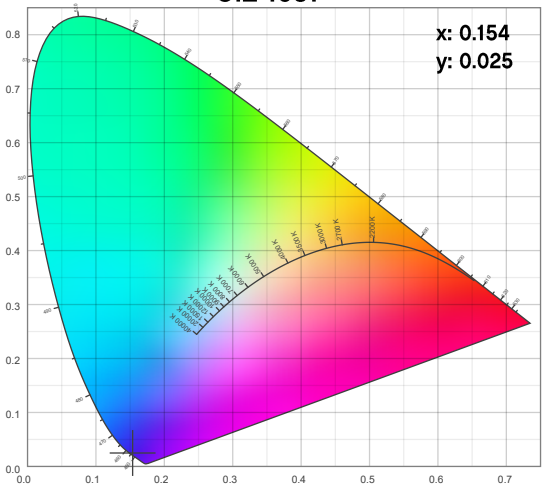


Beam Angle **360°**

Spectral Distribution



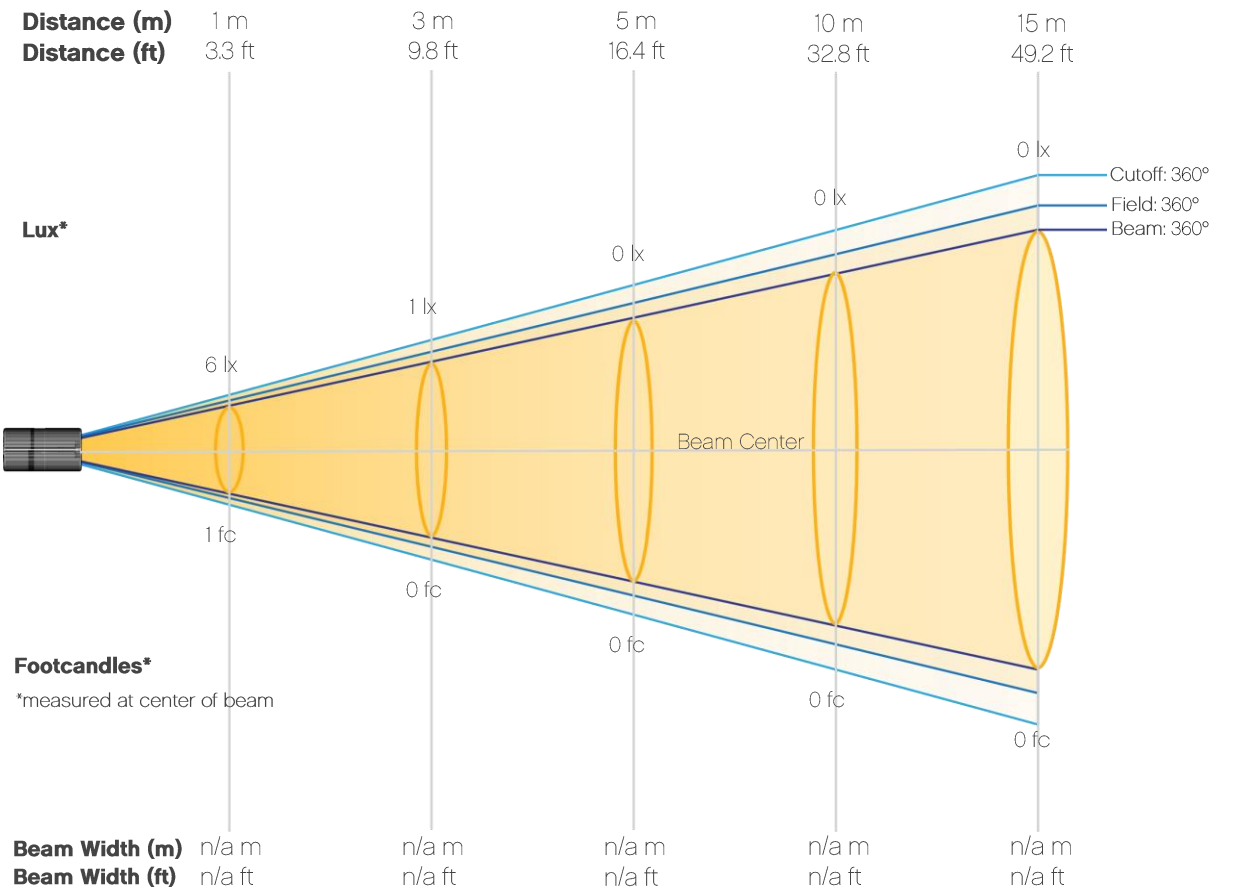
CIE 1931



Photometric Report

Well STX 360: no filter, Blue Only

Beam Details



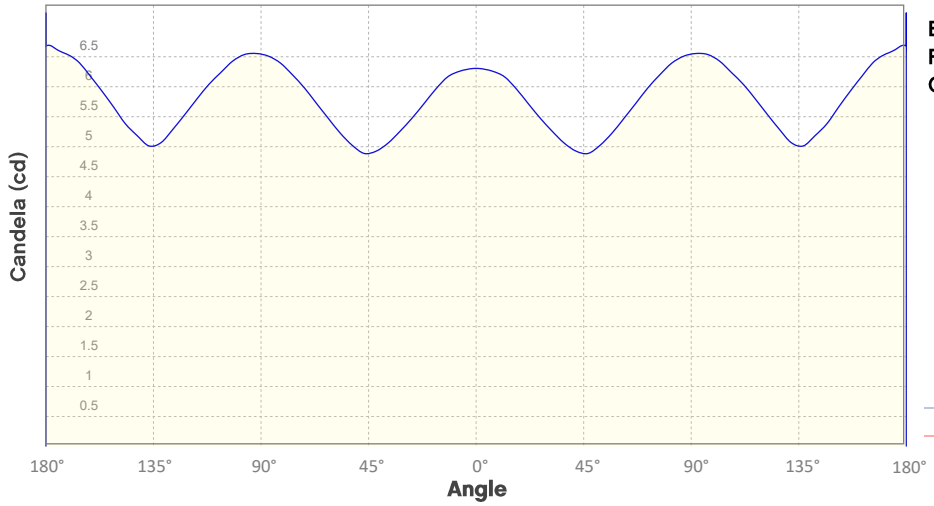
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	6	2	1	0	0	0	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1	0	0	0	0	0	0	0	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 STX 360: no filter, Blue Only

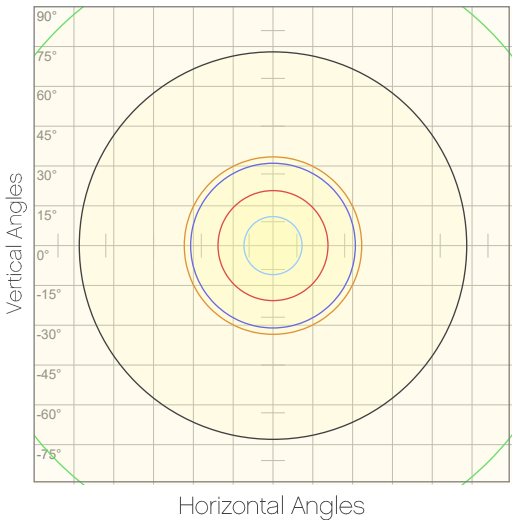
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

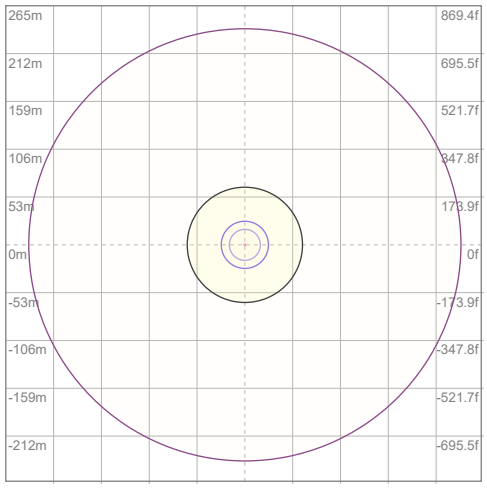
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	1 cd
30%	2 cd
40%	3 cd
50%	3 cd
60%	4 cd
70%	4 cd
80%	5 cd
90%	6 cd

Conditions:
Number of c-planes: 2
Candela at center: 6 cd



iso-illuminance Diagram

3%	1.89m lx
5%	3.15m lx
10%	6.30m lx
30%	18.9m lx
50%	31.5m lx

Conditions:
Number of c-planes: 2
Lux at center: 63.0m 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 STX : Standard Optic, Warm White Only

Report Summary

Output

Total Lumens: 1119 lm
Peak Intensity: 102 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

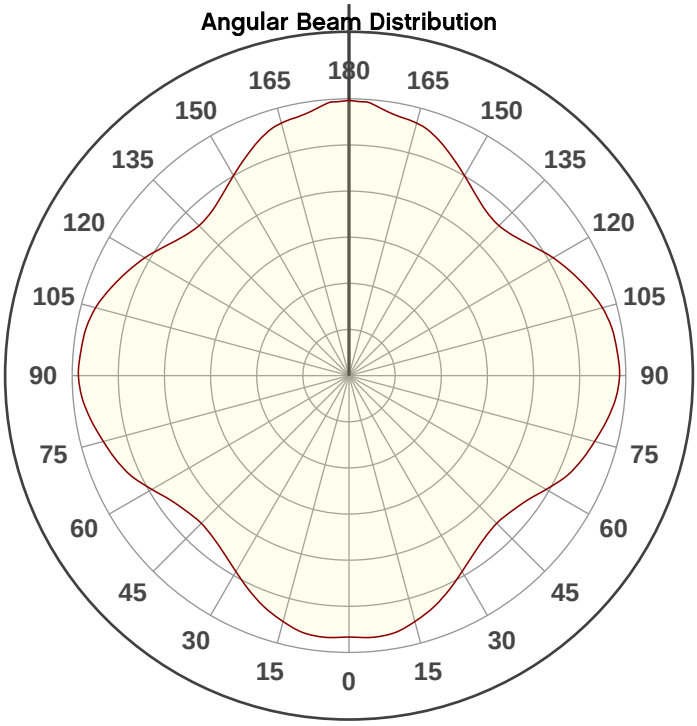
Conditions

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 10/2/2020 to LM-63-2002 Standards.

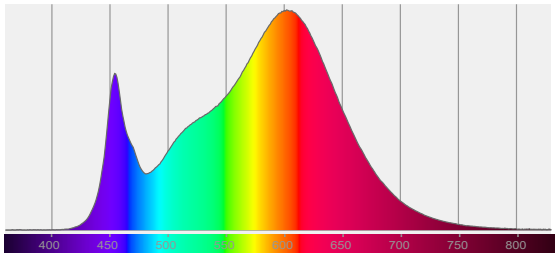
Overall Measurement

Angular Beam Distribution

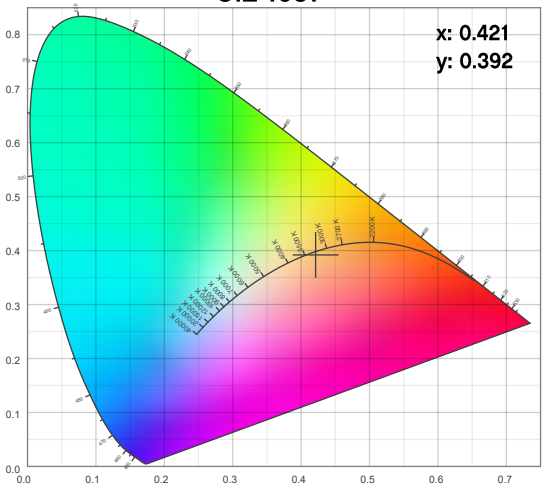


Beam Angle **360°**

Spectral Distribution



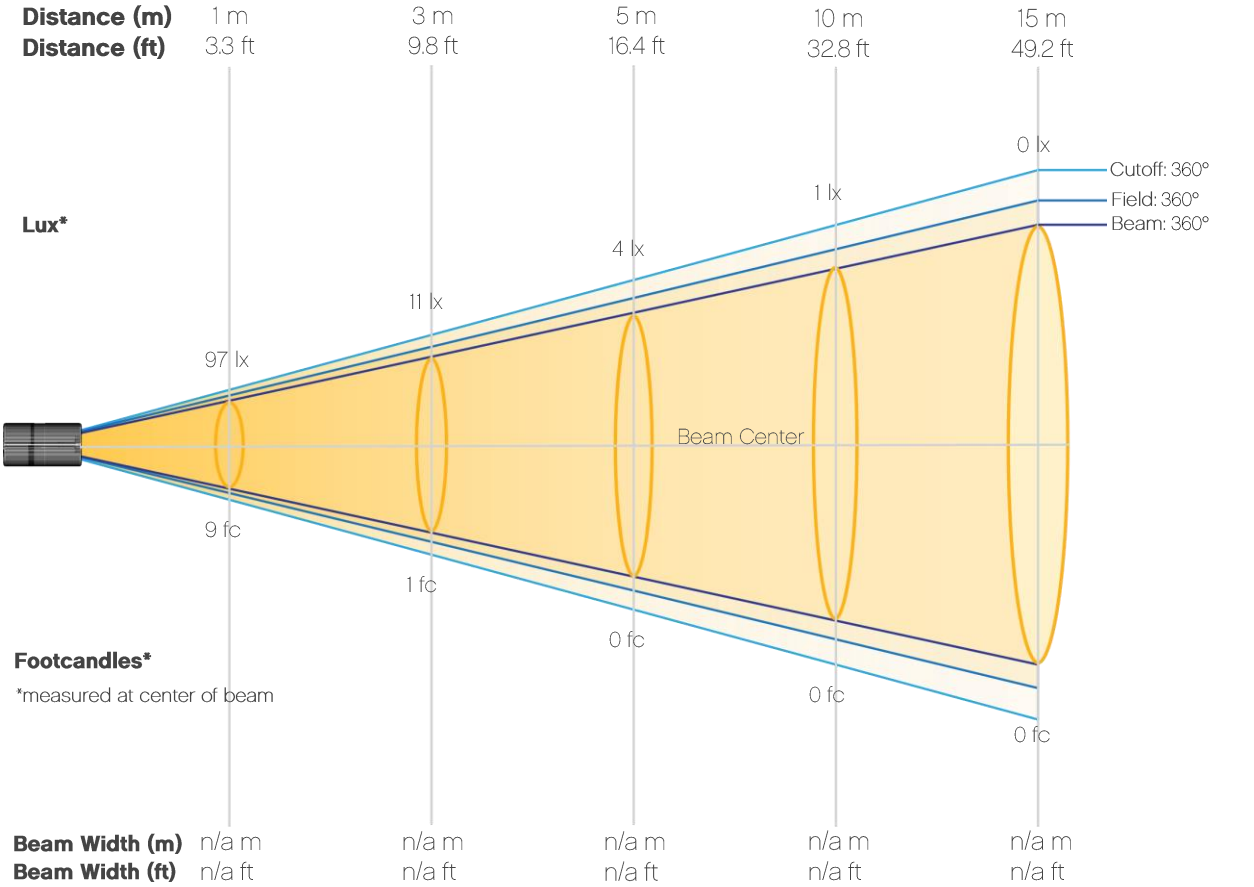
CIE 1931



Photometric Report

Well STX : Standard Optic, Warm White Only

Beam Details



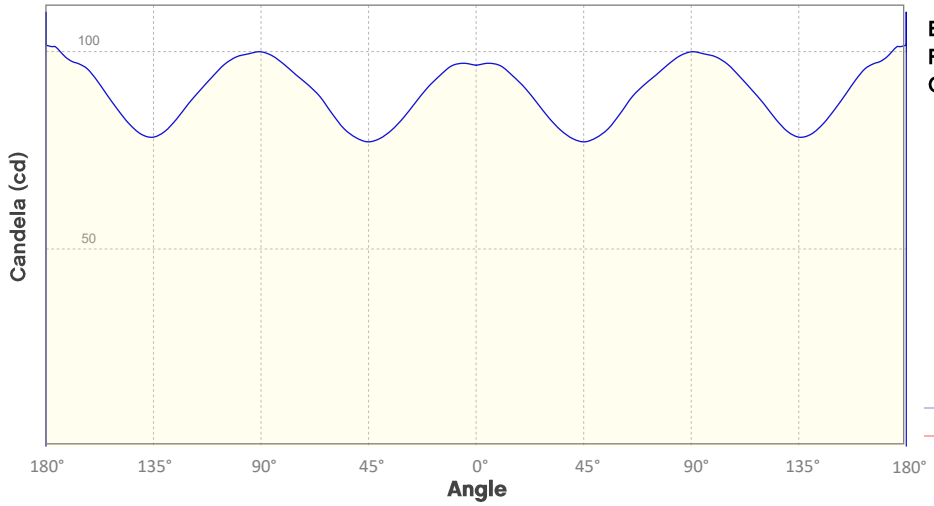
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	97	24	11	6	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9	2	1	1	0	0	0	0	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 STX : Standard Optic, Warm White Only

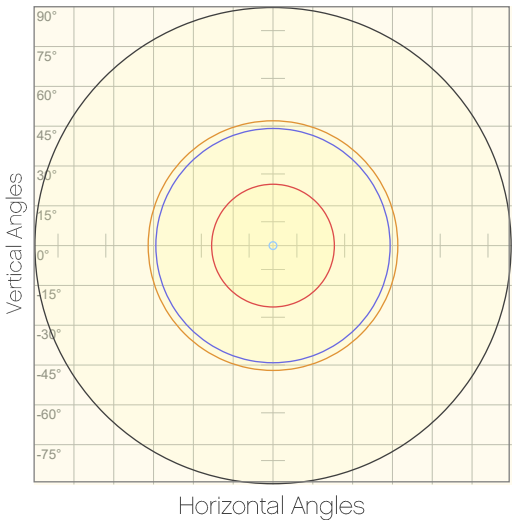
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

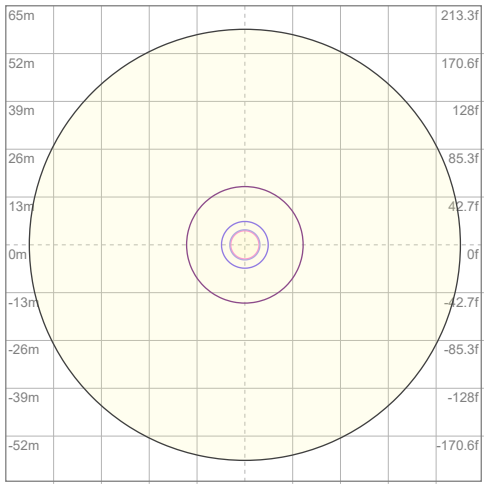
Polar Diagrams



iso-candela Diagram

10%	10 cd
20%	19 cd
30%	29 cd
40%	39 cd
50%	48 cd
60%	58 cd
70%	68 cd
80%	77 cd
90%	87 cd

Conditions:
Number of c-planes: 2
Candela at center: 97 cd



iso-illuminance Diagram

3%	29.0m lx
5%	48.3m lx
10%	96.5m lx
30%	0.290 lx
50%	0.483 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.965 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 STX 360 : Standard Optic, Warm White Only

Report Summary

Output

Total Lumens: 1128 lm
Peak Intensity: 102 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

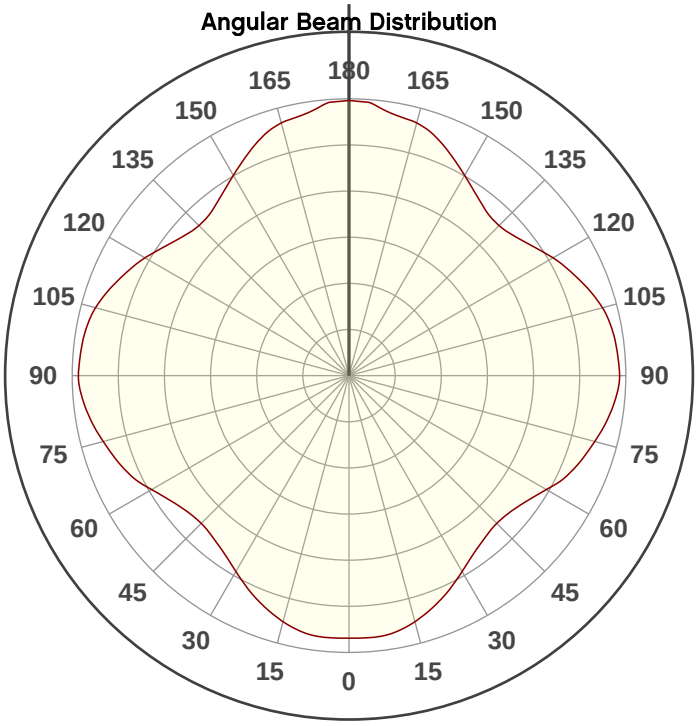
Conditions

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 10/2/2020 to LM-63-2002 Standards.

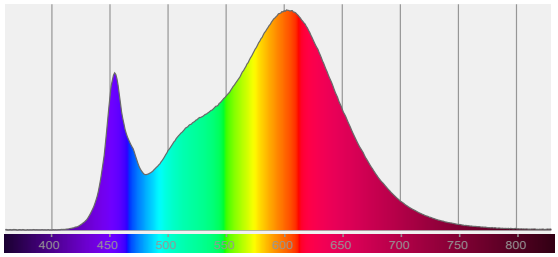
Overall Measurement

Angular Beam Distribution

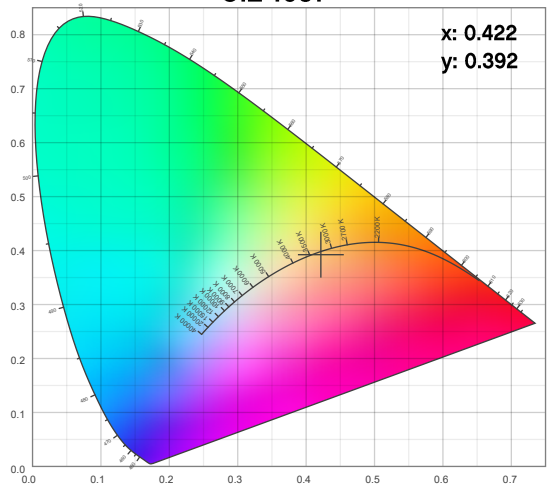


Beam Angle **360°**

Spectral Distribution



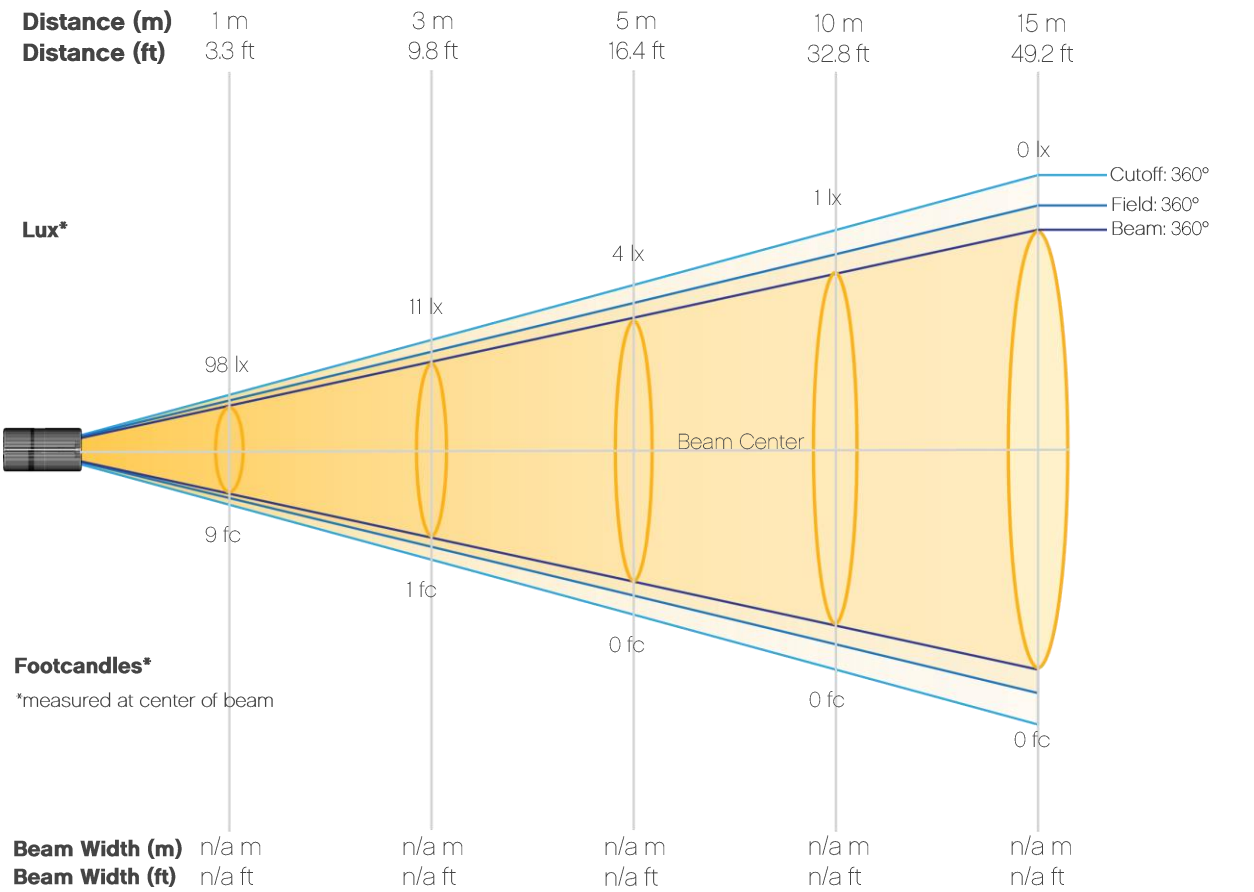
CIE 1931



Photometric Report

Well STX 360 : Standard Optic, Warm White Only

Beam Details



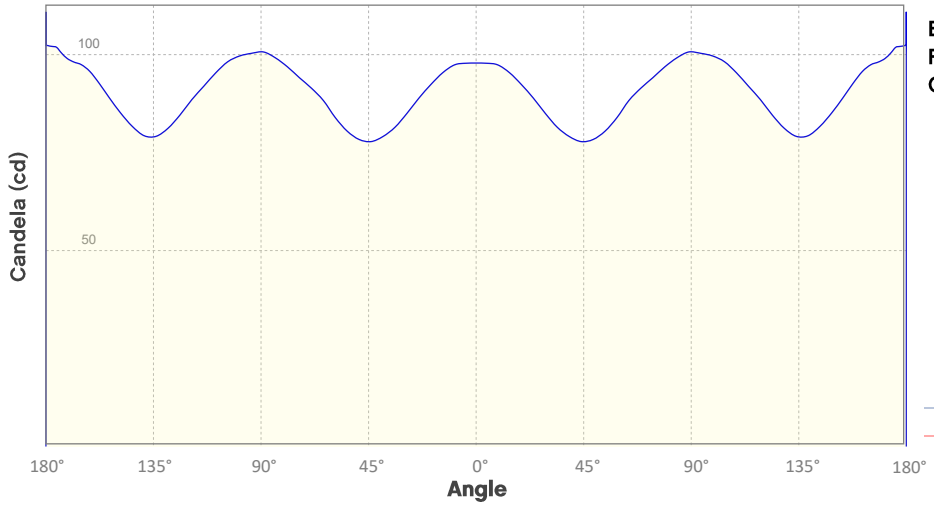
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	98	24	11	6	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9	2	1	1	0	0	0	0	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 STX 360 : Standard Optic, Warm White Only

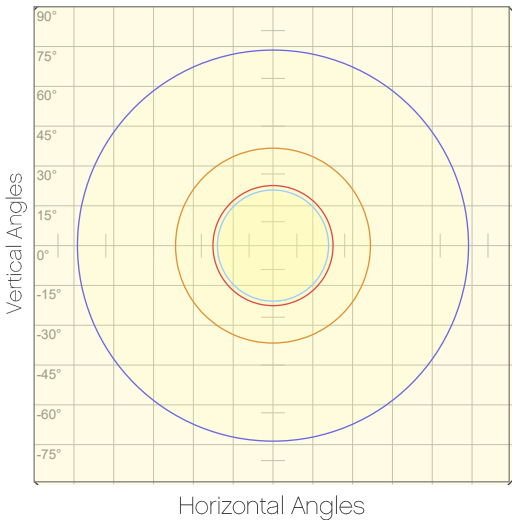
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

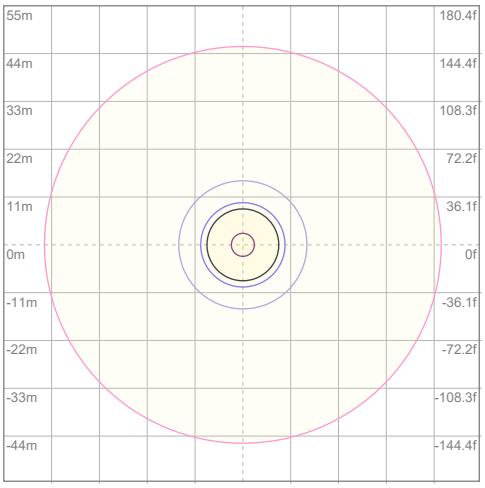
Polar Diagrams



iso-candela Diagram

10%	10 cd
20%	20 cd
30%	29 cd
40%	39 cd
50%	49 cd
60%	59 cd
70%	68 cd
80%	78 cd
90%	88 cd

Conditions:
Number of c-planes: 2
Candela at center: 98 cd



iso-illuminance Diagram

3%	29.3m lx
5%	48.9m lx
10%	97.8m lx
30%	0.293 lx
50%	0.489 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.978 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 STX 360: no filter, Warm White Only

Report Summary

Output

Total Lumens: 1133 lm
Peak Intensity: 103 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

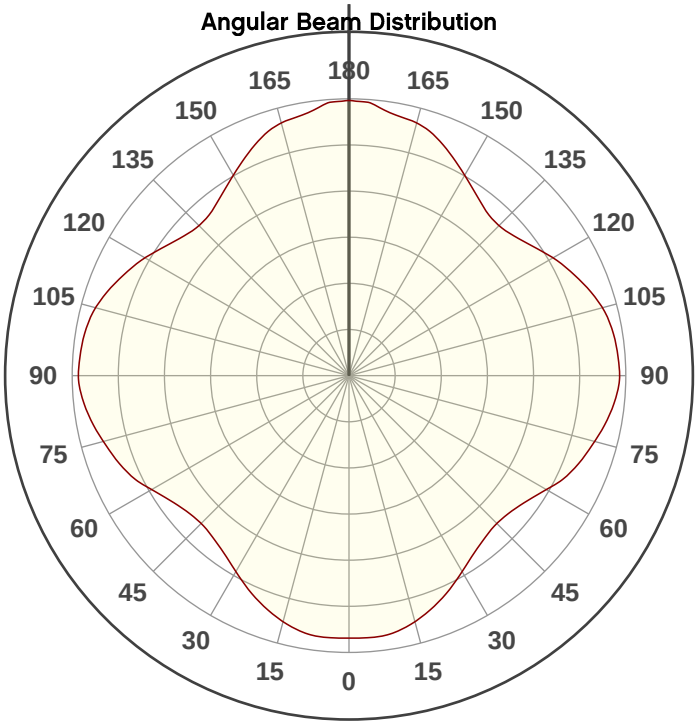
Conditions

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 10/2/2020 to LM-63-2002 Standards.

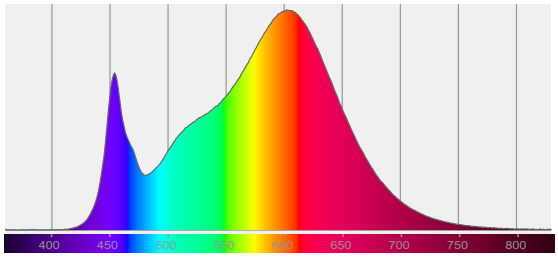
Overall Measurement

Angular Beam Distribution

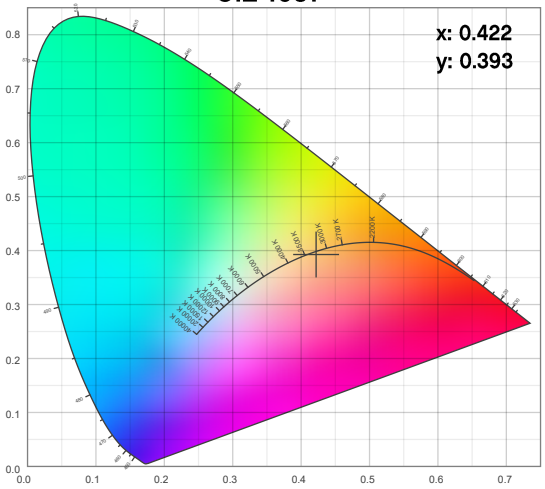


Beam Angle **360°**

Spectral Distribution



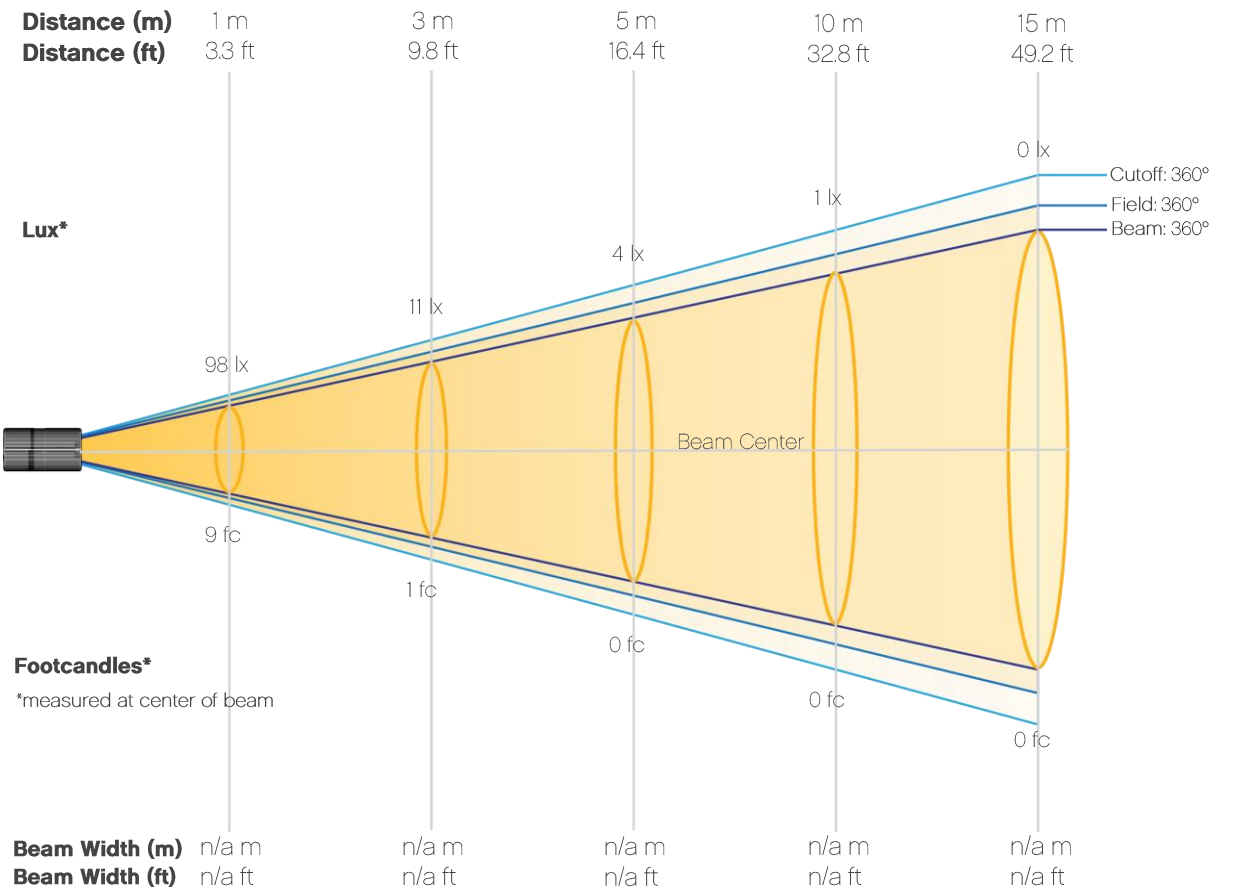
CIE 1931



Photometric Report

Well STX 360: no filter, Warm White Only

Beam Details



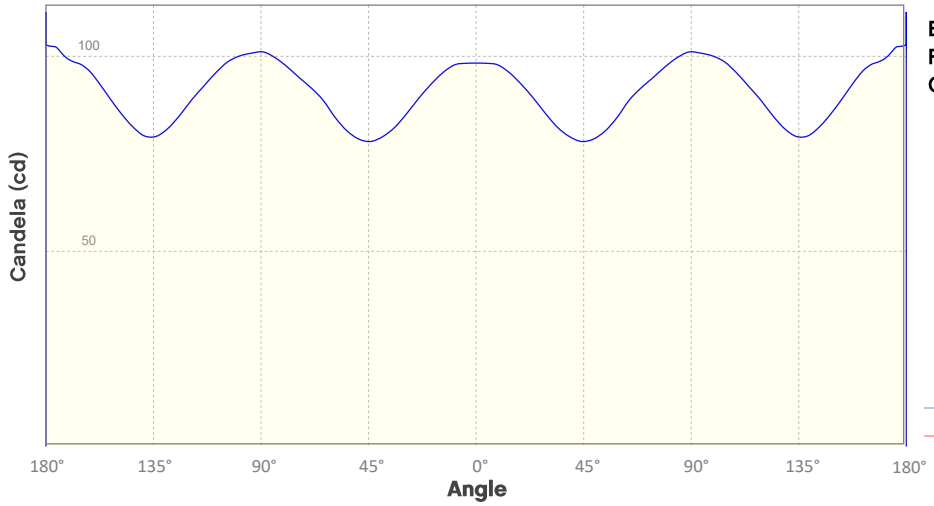
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	98	25	11	6	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9	2	1	1	0	0	0	0	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 STX 360: no filter, Warm White Only

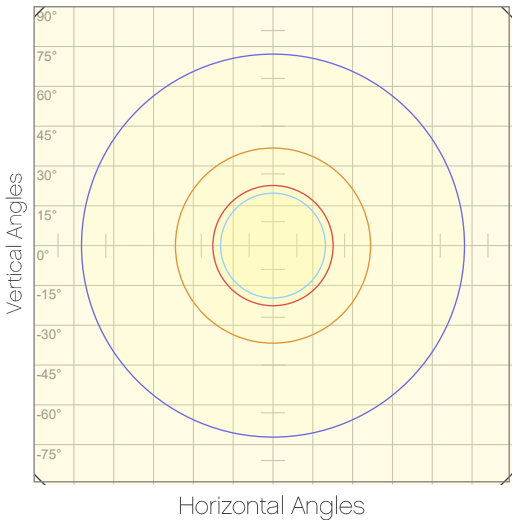
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

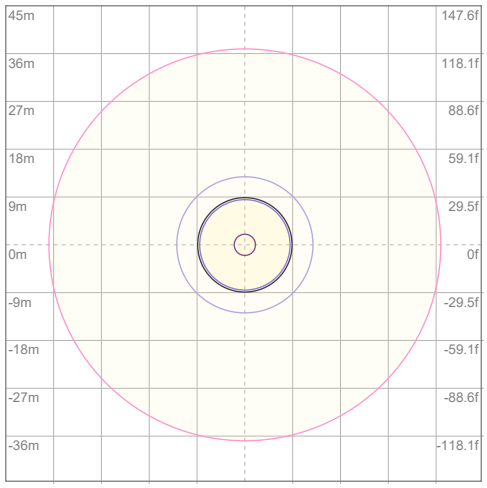
Polar Diagrams



iso-candela Diagram

10%	10 cd
20%	20 cd
30%	29 cd
40%	39 cd
50%	49 cd
60%	59 cd
70%	69 cd
80%	79 cd
90%	88 cd

Conditions:
Number of c-planes: 2
Candela at center: 98 cd



iso-illuminance Diagram

3%	29.5m lx
5%	49.1m lx
10%	98.2m lx
30%	0.295 lx
50%	0.491 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.982 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 STX 360: no filter, Warm White Only

Report Summary

Output

Total Lumens: 799 lm
Peak Intensity: 72.5 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

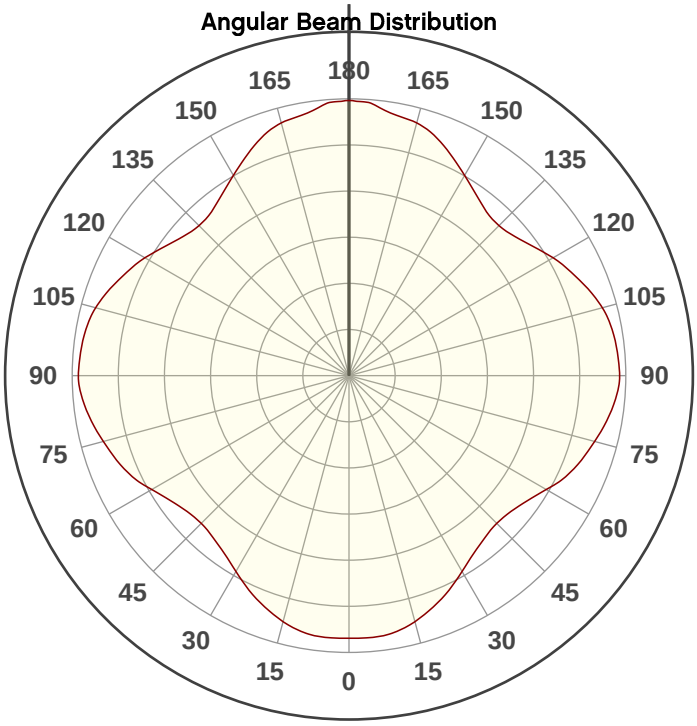
Conditions

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 10/2/2020 to LM-63-2002 Standards.

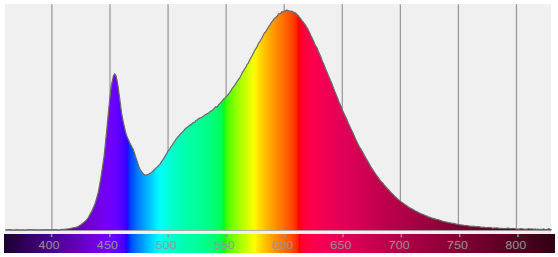
Overall Measurement

Angular Beam Distribution

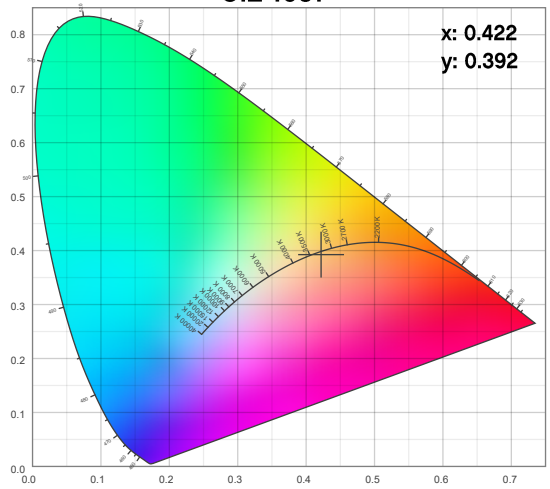


Beam Angle **360°**

Spectral Distribution



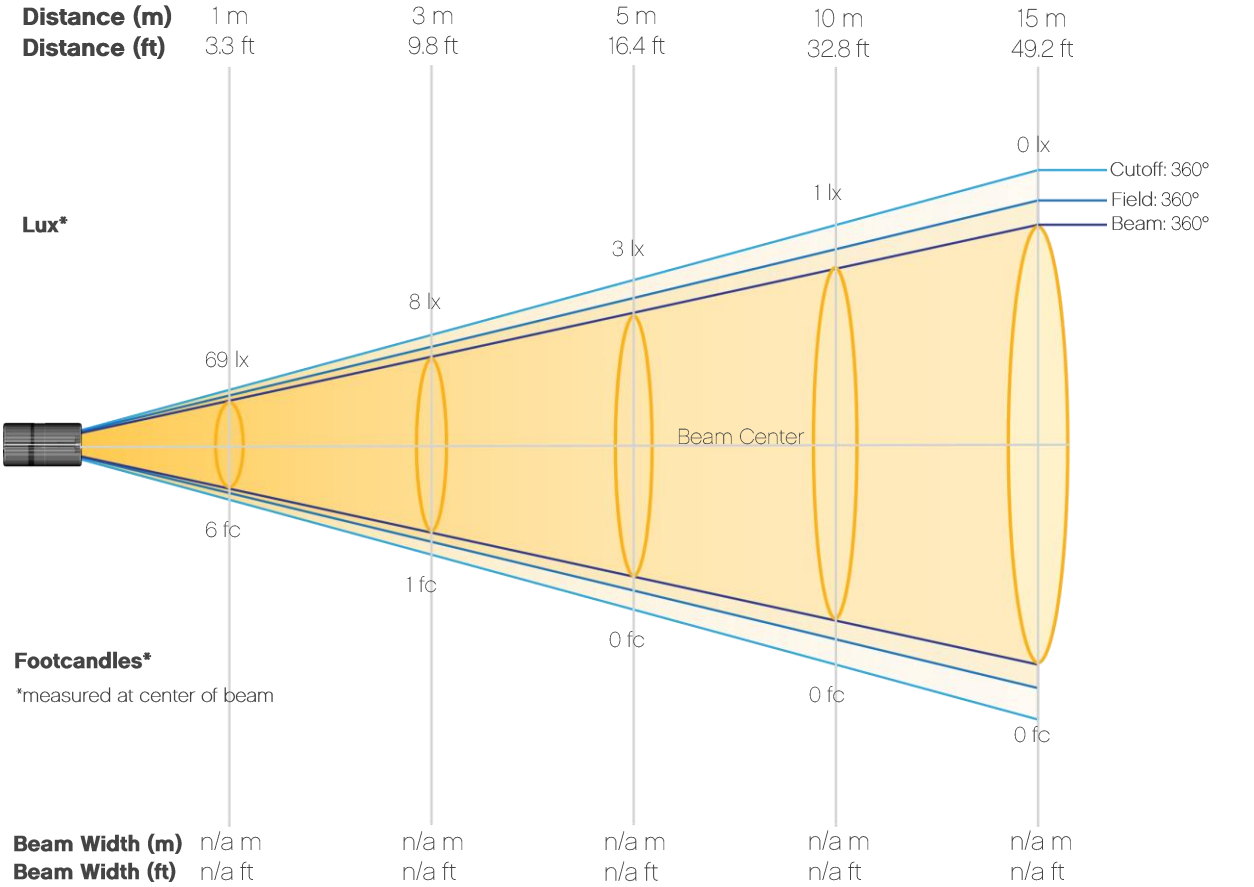
CIE 1931



Photometric Report

Well STX 360: no filter, Warm White Only

Beam Details



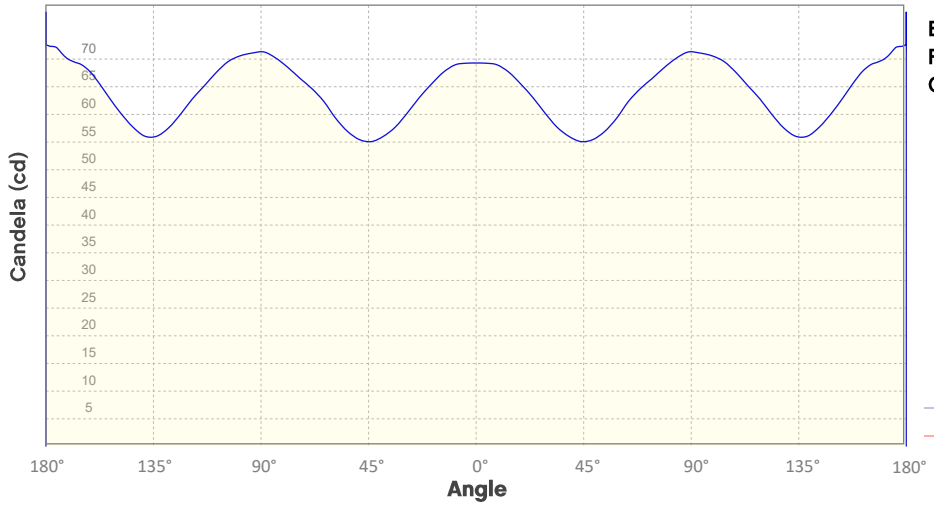
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	69	17	8	4	3	2	1	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	6	2	1	0	0	0	0	0	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 STX 360: no filter, Warm White Only

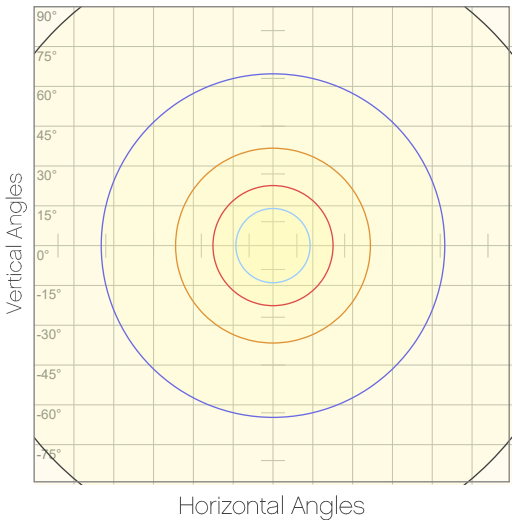
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

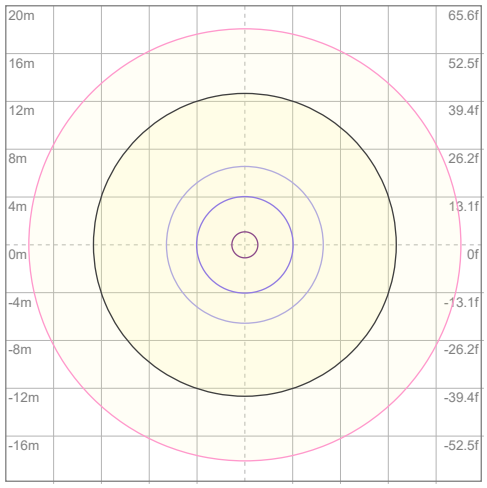
Polar Diagrams



iso-candela Diagram

10%	7 cd
20%	14 cd
30%	21 cd
40%	28 cd
50%	35 cd
60%	42 cd
70%	48 cd
80%	55 cd
90%	62 cd

Conditions:
Number of c-planes: 2
Candela at center: 69 cd



iso-illuminance Diagram

3%	20.8m lx
5%	34.6m lx
10%	69.2m lx
30%	0.208 lx
50%	0.346 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.692 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 STX 360: no filter, 3200K

Report Summary

Output

Total Lumens: 942 lm
Peak Intensity: 86.2 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

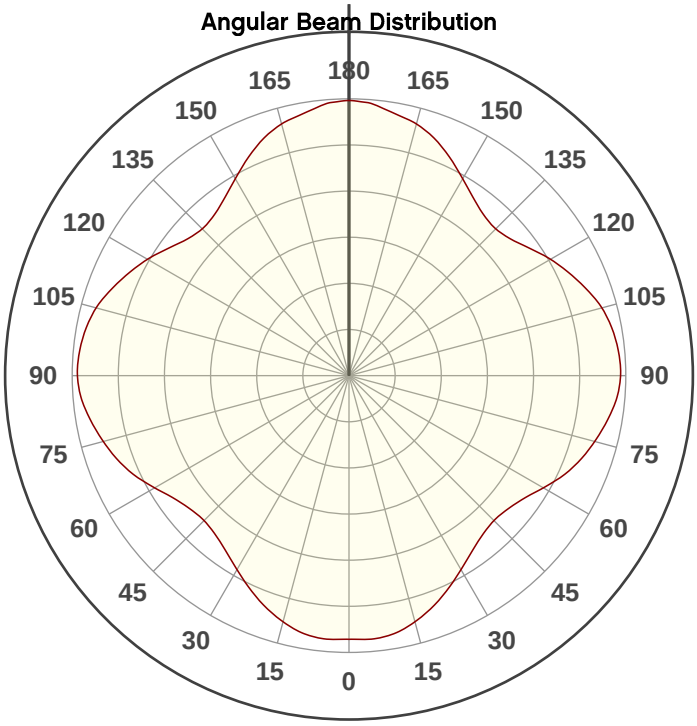
Conditions

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 10/2/2020 to LM-63-2002 Standards.

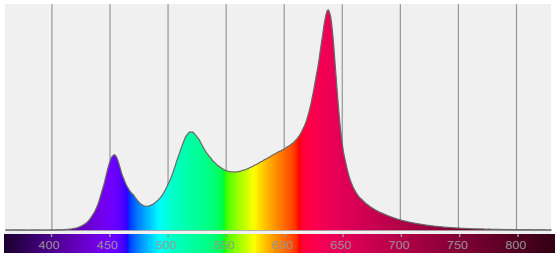
Overall Measurement

Angular Beam Distribution

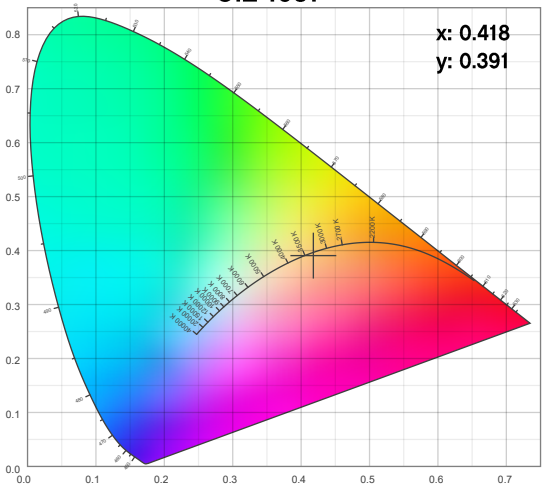


Beam Angle **360°**

Spectral Distribution



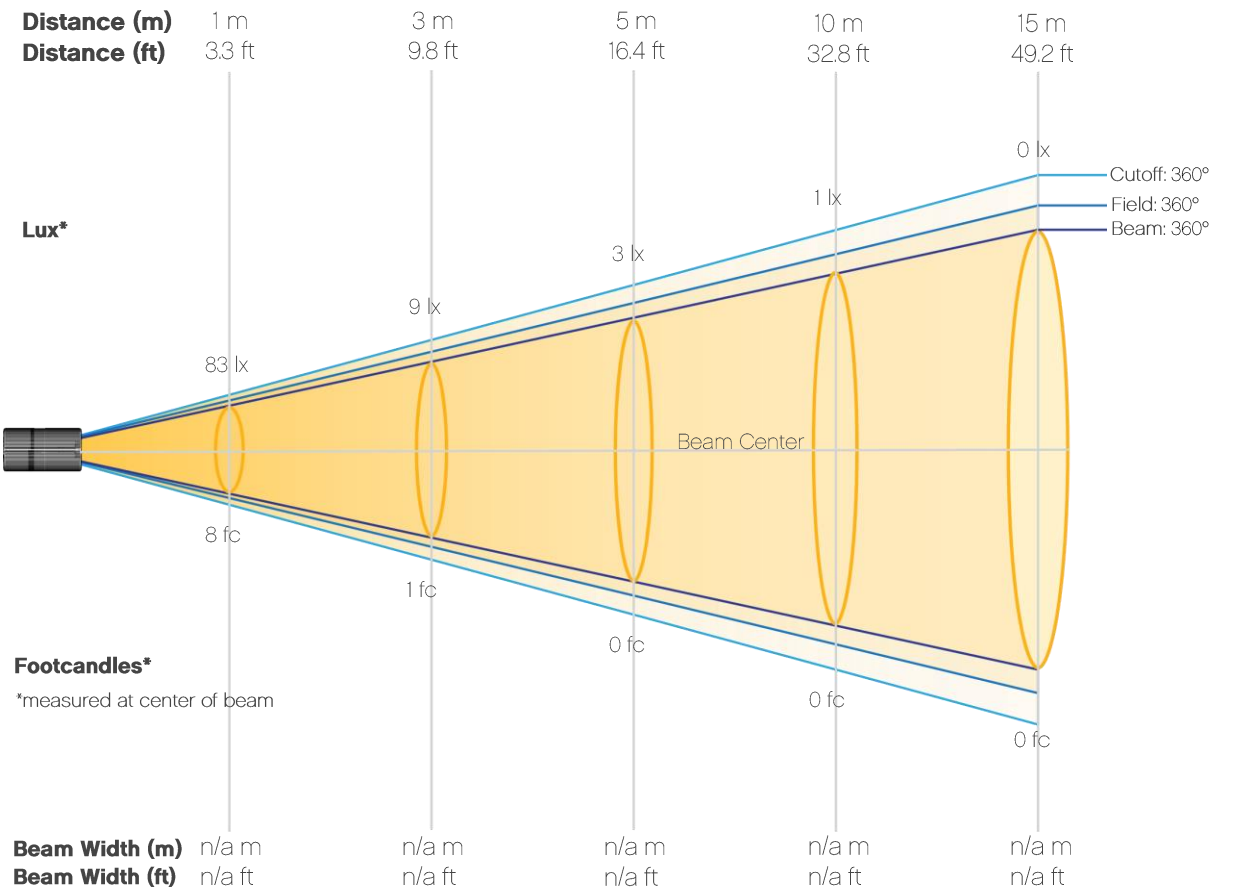
CIE 1931



Photometric Report

Well STX 360: no filter, 3200K

Beam Details



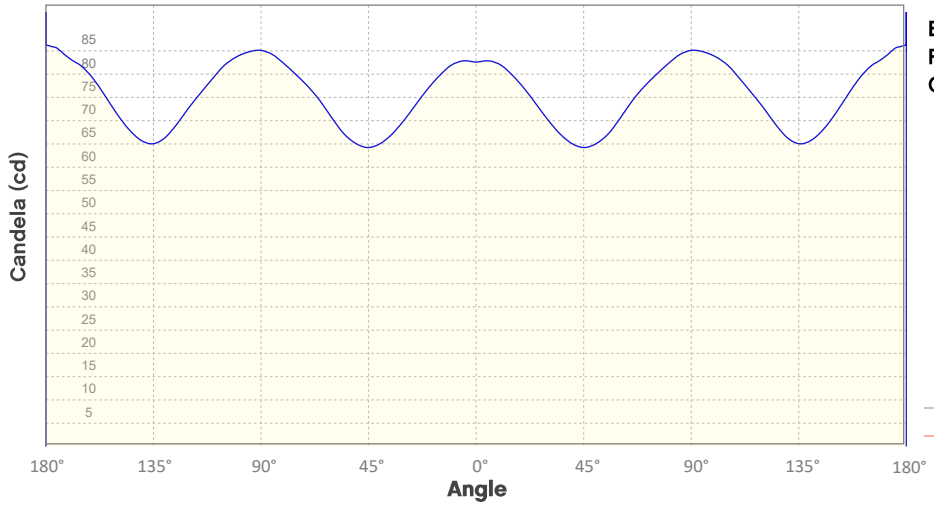
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	83	21	9	5	3	2	2	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	8	2	1	0	0	0	0	0	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 STX 360: no filter, 3200K

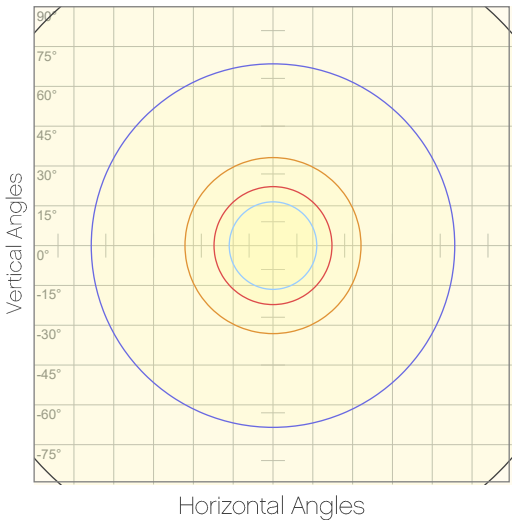
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

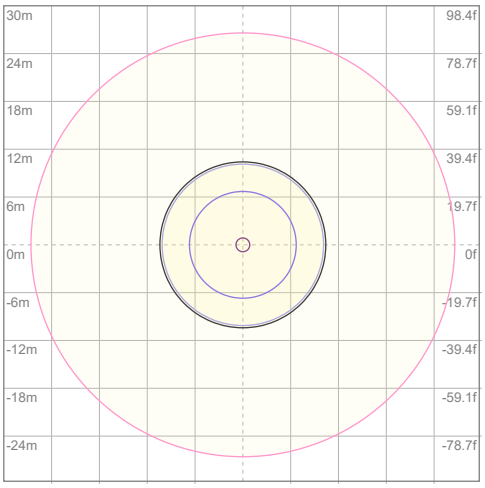
Polar Diagrams



iso-candela Diagram

10%	8 cd
20%	17 cd
30%	25 cd
40%	33 cd
50%	41 cd
60%	50 cd
70%	58 cd
80%	66 cd
90%	74 cd

Conditions:
Number of c-planes: 2
Candela at center: 83 cd



iso-illuminance Diagram

3%	24.8m lx
5%	41.3m lx
10%	82.6m lx
30%	0.248 lx
50%	0.413 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.826 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 STX 360: no filter, 4000K

Report Summary

Output

Total Lumens: 908 lm
Peak Intensity: 83.1 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

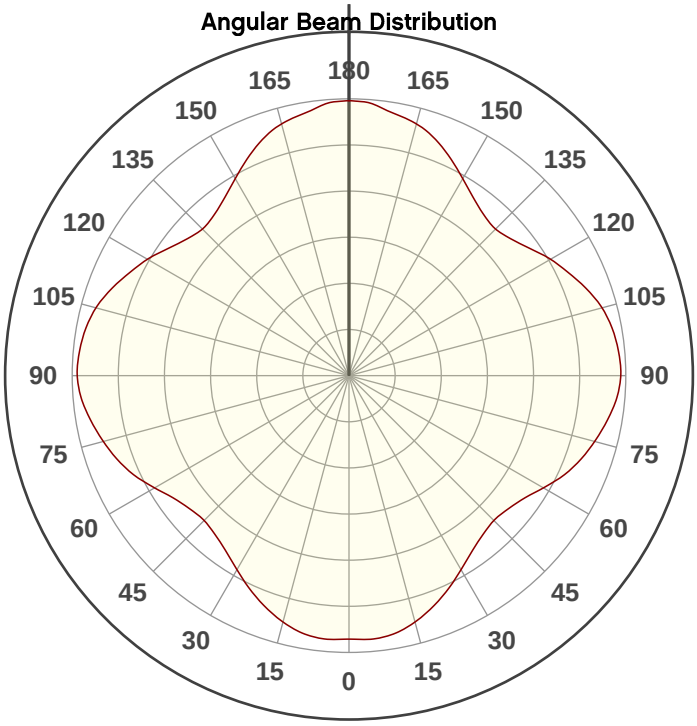
Conditions

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 10/2/2020 to LM-63-2002 Standards.

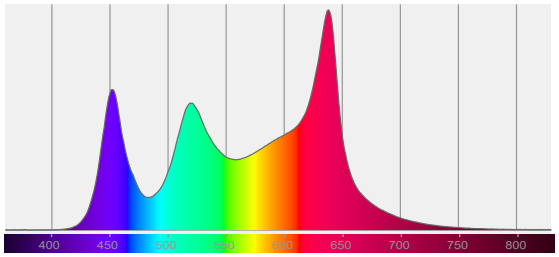
Overall Measurement

Angular Beam Distribution

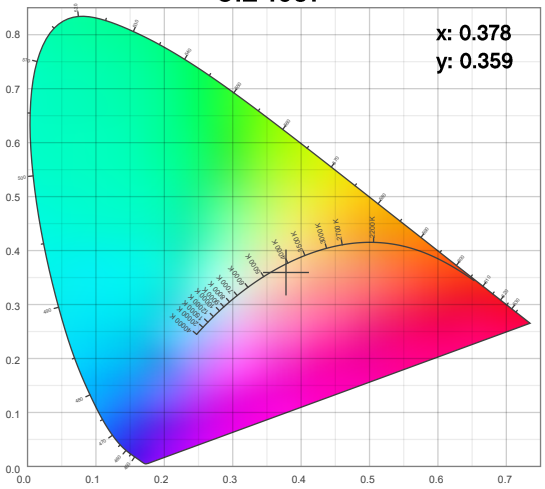


Beam Angle **360°**

Spectral Distribution



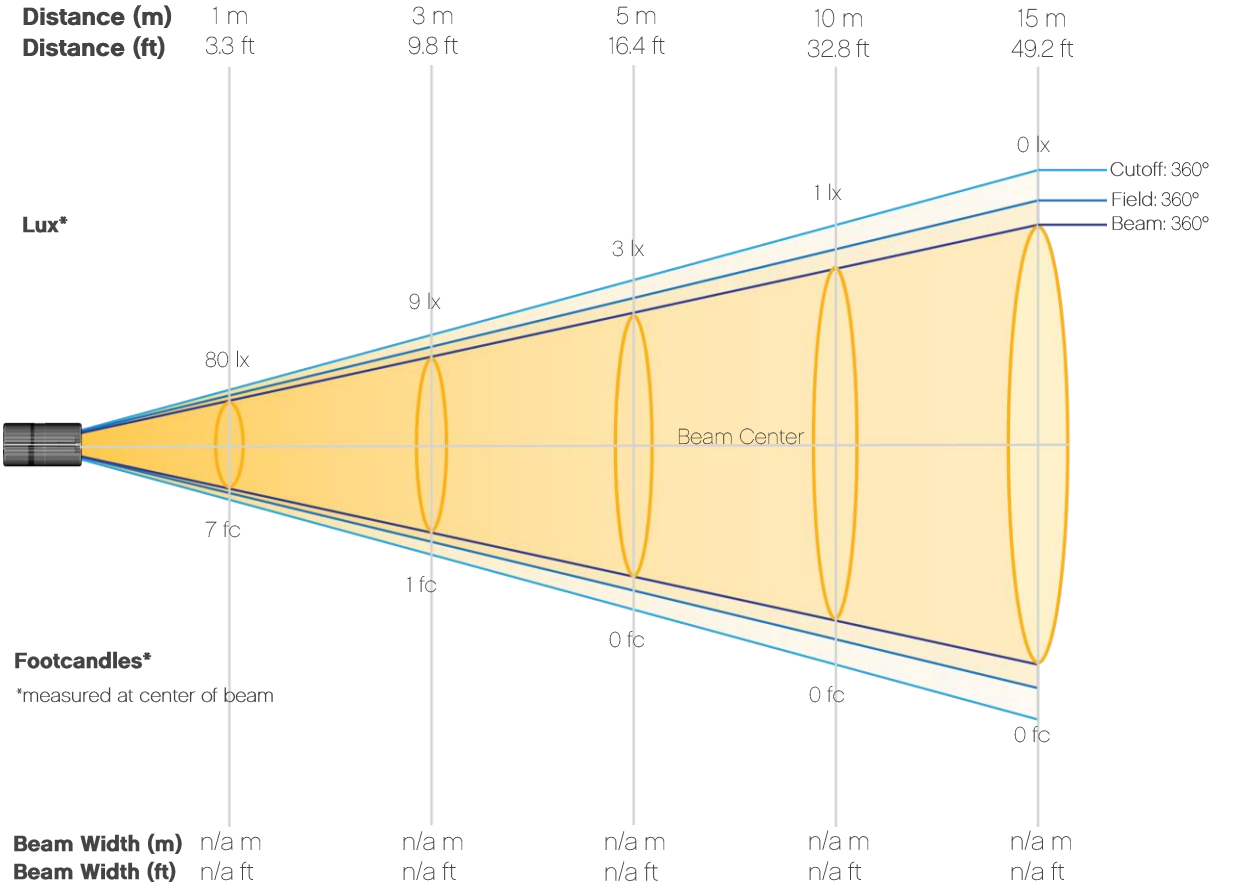
CIE 1931



Photometric Report

Well STX 360: no filter, 4000K

Beam Details



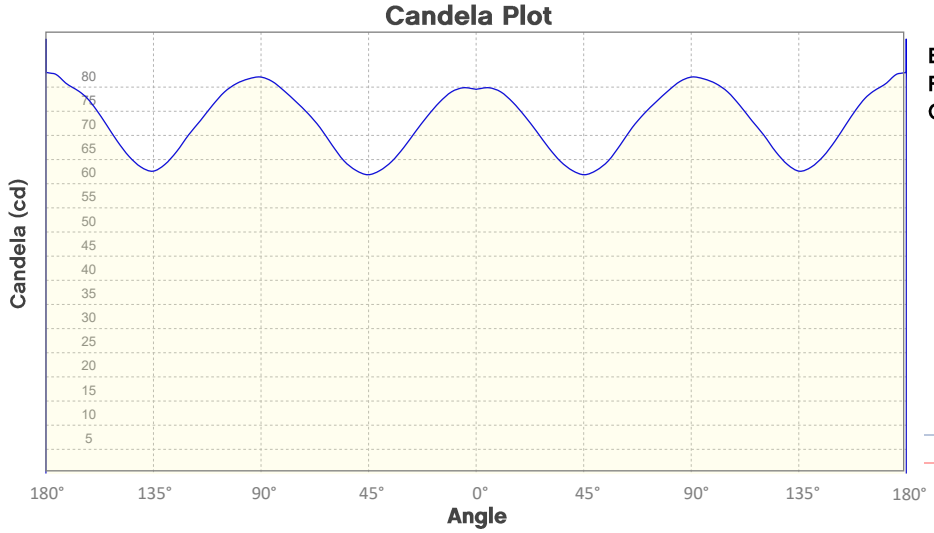
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	80	20	9	5	3	2	2	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	7	2	1	0	0	0	0	0	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 STX 360: no filter, 4000K

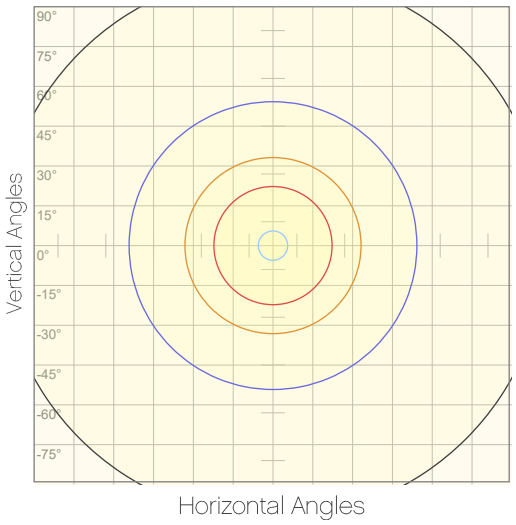
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

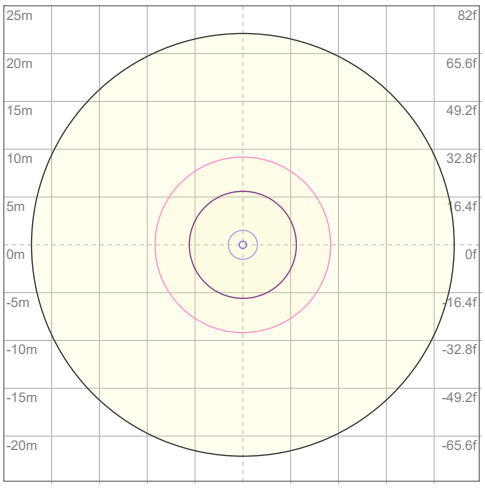
Polar Diagrams



iso-candela Diagram

10%	8 cd
20%	16 cd
30%	24 cd
40%	32 cd
50%	40 cd
60%	48 cd
70%	56 cd
80%	64 cd
90%	72 cd

Conditions:
Number of c-planes: 2
Candela at center: 80 cd



iso-illuminance Diagram

3%	23.9m lx
5%	39.8m lx
10%	79.6m lx
30%	0.239 lx
50%	0.398 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.796 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 STX 360 : no filter, 5600K

Report Summary

Output

Total Lumens: 918 lm
Peak Intensity: 83.8 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

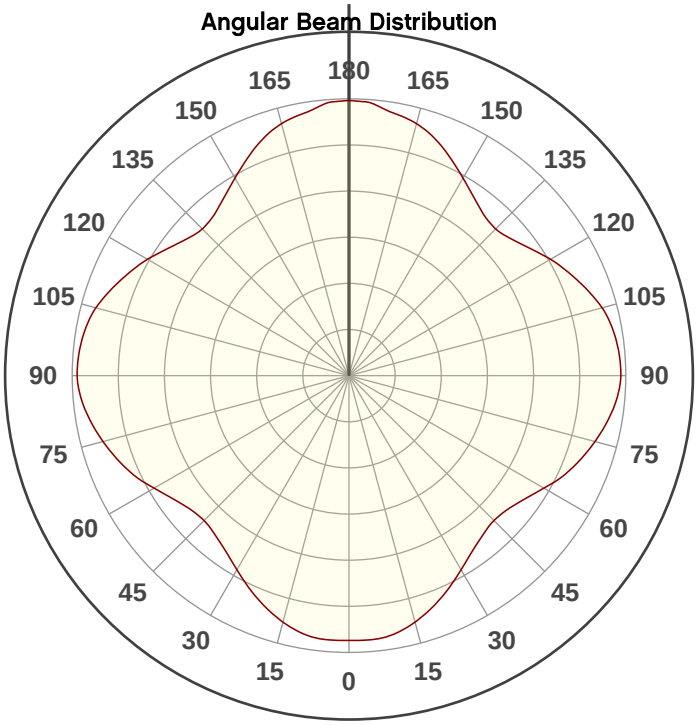
Conditions

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 10/2/2020 to LM-63-2002 Standards.

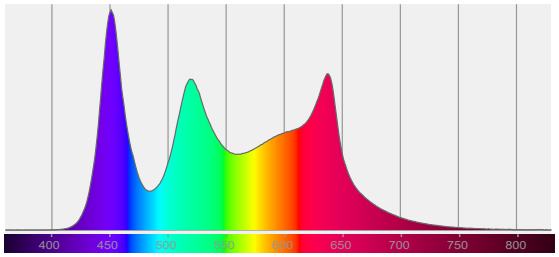
Overall Measurement

Angular Beam Distribution

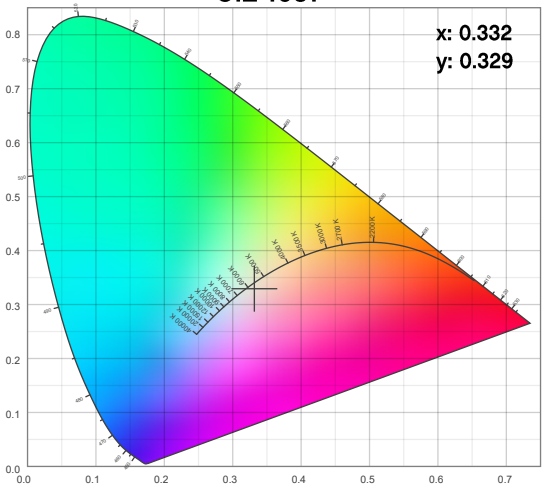


Beam Angle **360°**

Spectral Distribution



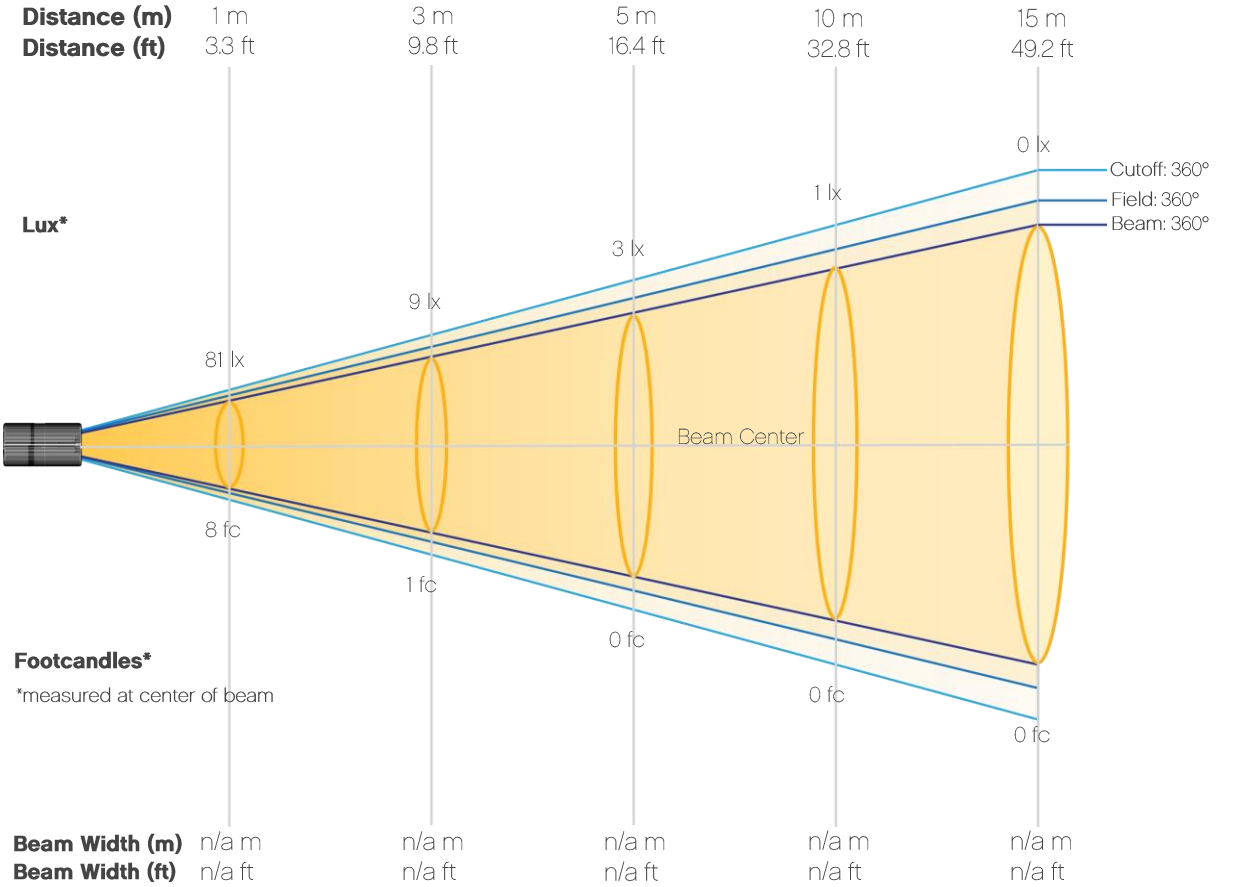
CIE 1931



Photometric Report

Well STX 360 : no filter, 5600K

Beam Details



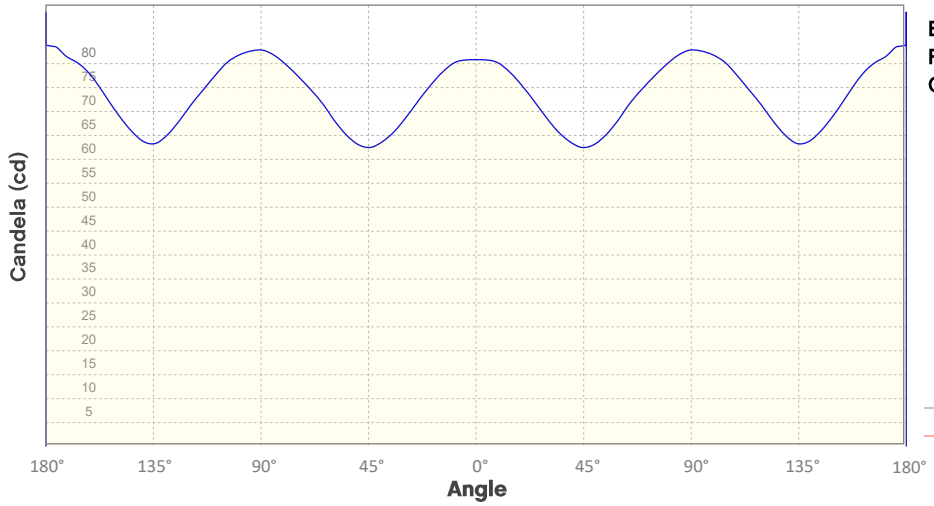
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	81	20	9	5	3	2	2	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	8	2	1	0	0	0	0	0	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 STX 360 : no filter, 5600K

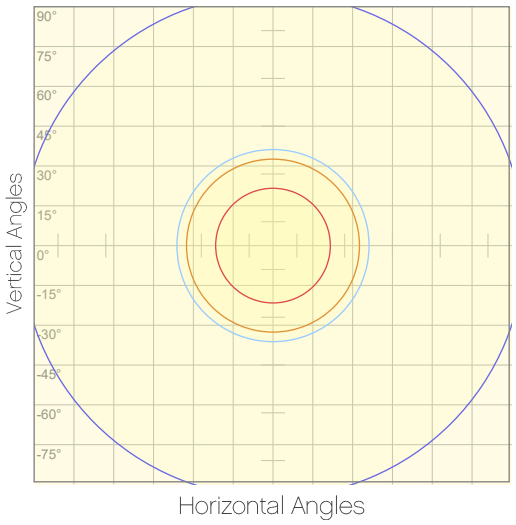
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

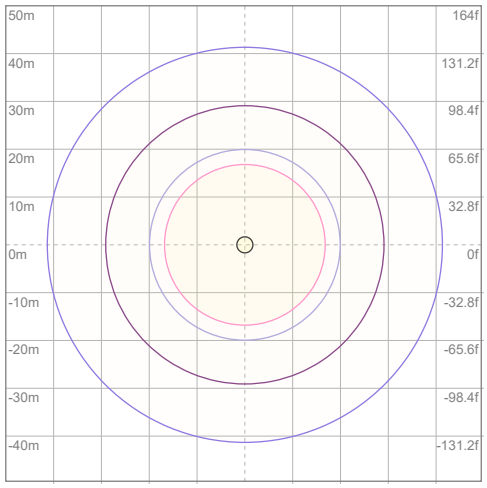
Polar Diagrams



iso-candela Diagram

10%	8 cd
20%	16 cd
30%	24 cd
40%	32 cd
50%	40 cd
60%	48 cd
70%	57 cd
80%	65 cd
90%	73 cd

Conditions:
Number of c-planes: 2
Candela at center: 81 cd



iso-illuminance Diagram

3%	24.2m lx
5%	40.4m lx
10%	80.8m lx
30%	0.242 lx
50%	0.404 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.808 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 STX 360: Full Power

Report Summary

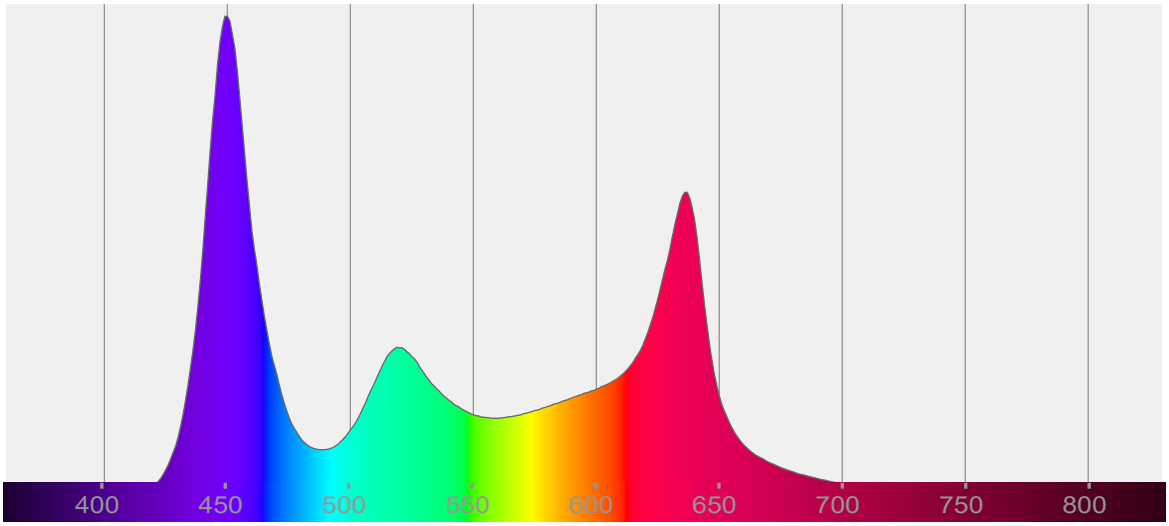
Measurements

Total Lumens: 1452 lm
Peak Intensity: 133 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 8897K
Δuv: -0.0471

CRI: 51.1 CRI R9 Value: -130.5
CQS: 81.3
TLCI: 69
TM-30-18 Rf: 66.9
TM-30-18 Rg: 124.4
1st Dominant Wavelength: 449 nM
2nd Dominant Wavelength: 637 nM

Spectral Distribution



Tested Color

8897 K
CIE 1931 Coordinates:
X: 0.309 Y: 0.246

Color Temperature

8897 K

Light Quality

CRI: 51.1

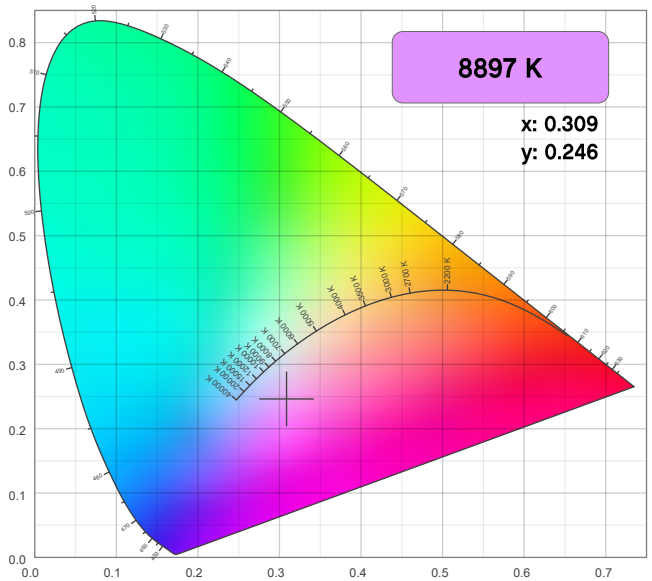
Notes:

Chromaticity Report

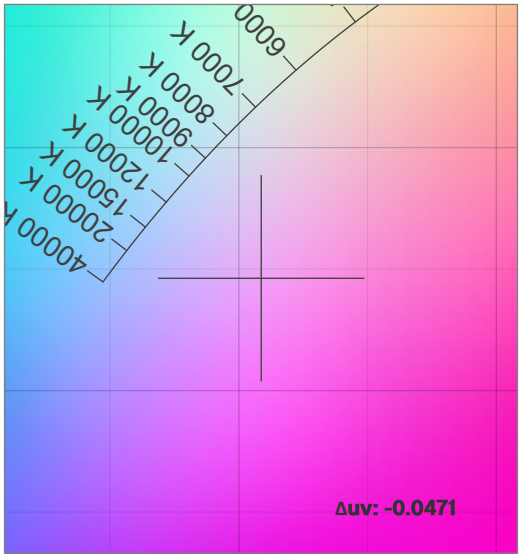
Well STX 360: Full Power

Chromaticity

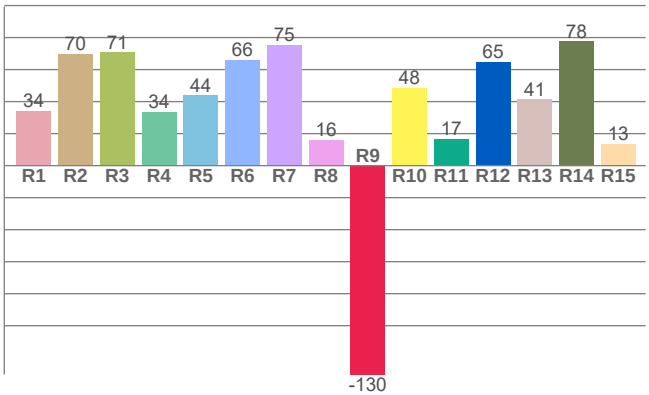
CIE 1931



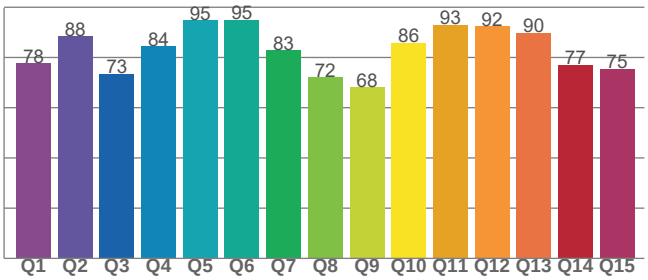
CIE 1931 - Zoom



CRI: 51.1 (R1-R8)



CQS: 81.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8897 K	0.309	0.246

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0471	0.246	0.231

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
51.1	-130.5	81.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
69	66.9	124.4

Chromaticity Report

Well STX 360: Full Power

TM-30-18 Details

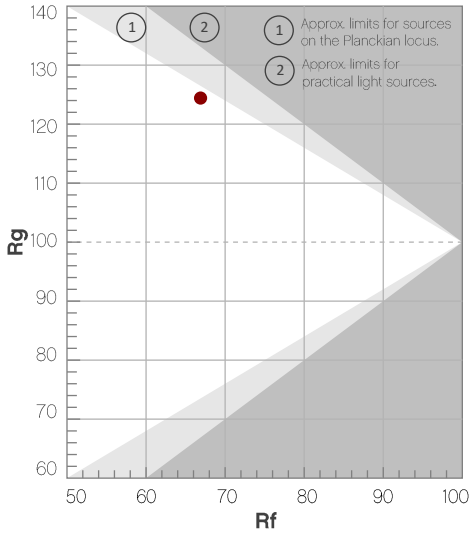
Rf 66.9

Fidelity Index (Rg)

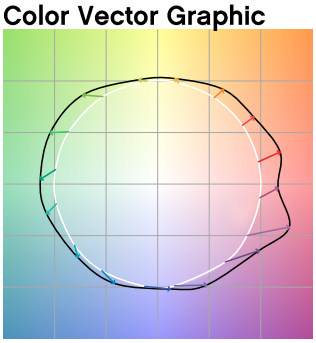
Rg 124.4

Gamut Index (Rg)

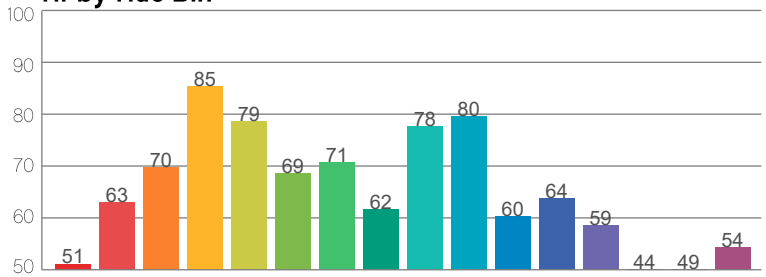
Hue Bin	R_f	Chroma Shift	Hue Shift
1	51	23%	5%
2	63	14%	1%
3	70	12%	-3%
4	85	4%	4%
5	79	3%	7%
6	69	12%	15%
7	71	14%	11%
8	62	13%	12%
9	78	11%	8%
10	80	4%	11%
11	60	3%	17%
12	64	-2%	25%
13	59	5%	31%
14	44	9%	33%
15	49	30%	30%
16	54	16%	13%



Color Vector Graphic

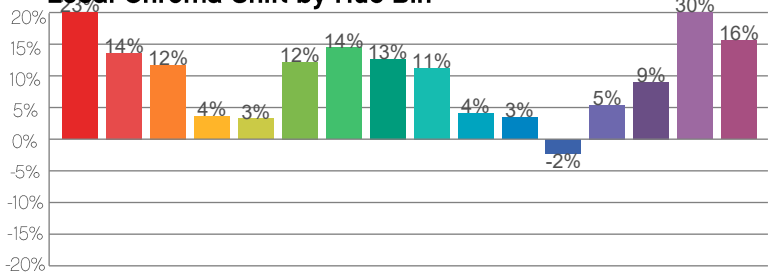


Rf by Hue Bin

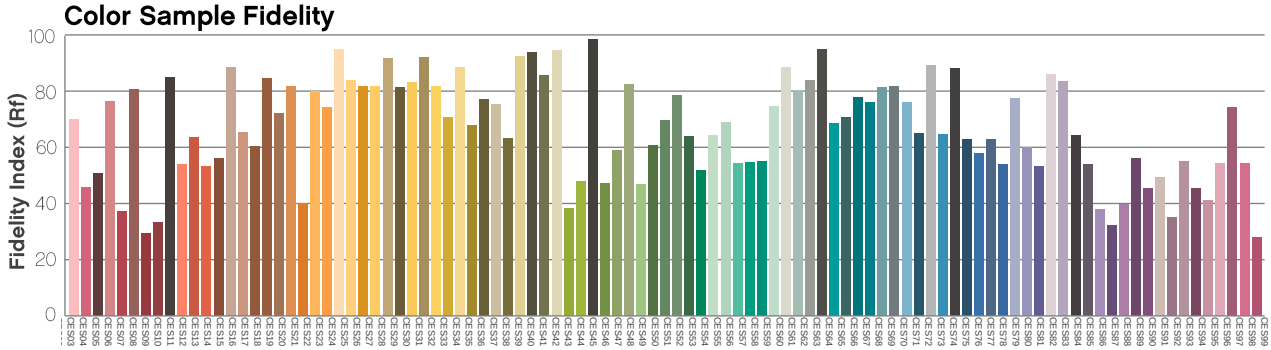


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Full Power

Report Summary

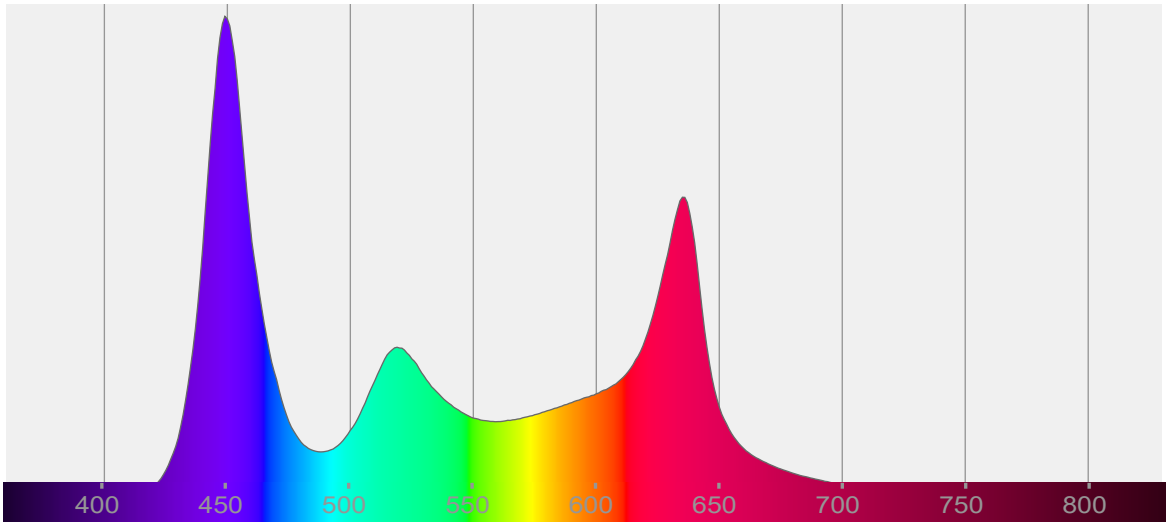
Measurements

Total Lumens: 846 lm
Peak Intensity: 77.5 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 9363K
Δuv: -0.0471

CRI: 50.1 CRI R9 Value: -135.3
CQS: 81.2
TLCI: 68
TM-30-18 Rf: 66.2
TM-30-18 Rg: 125.0
1st Dominant Wavelength: 449 nM
2nd Dominant Wavelength: 635 nM

Spectral Distribution



Tested Color

9363 K
CIE 1931 Coordinates:
X: 0.307 Y: 0.244

Color Temperature

9363 K

Light Quality

CRI: 50.1

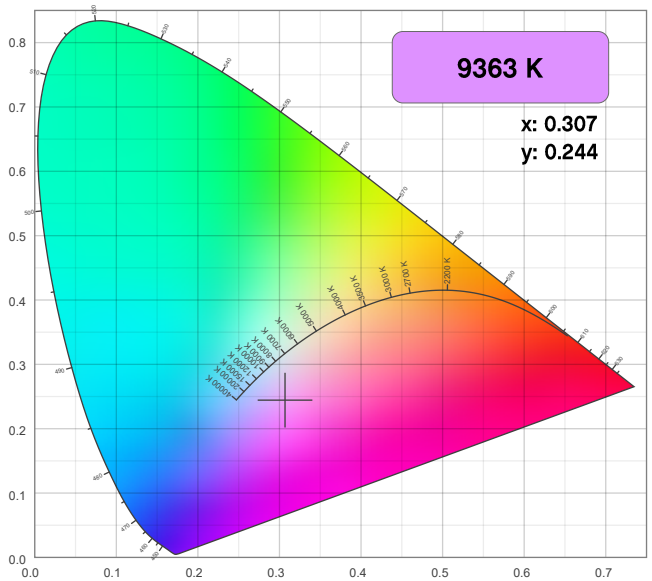
Notes:

Chromaticity Report

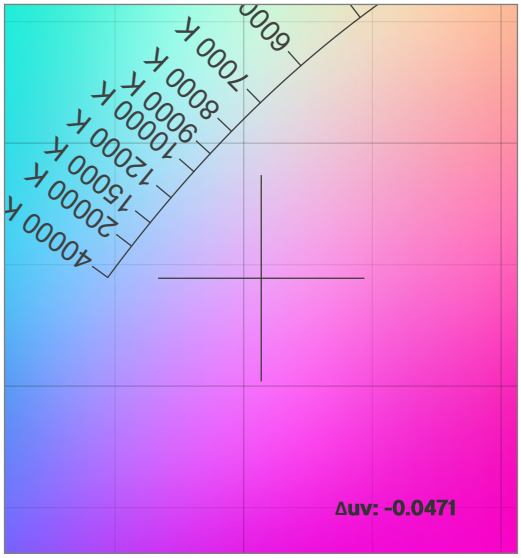
Well STX 360: Full Power

Chromaticity

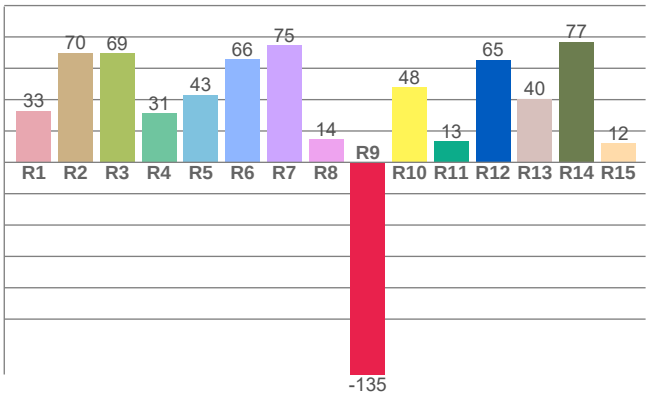
CIE 1931



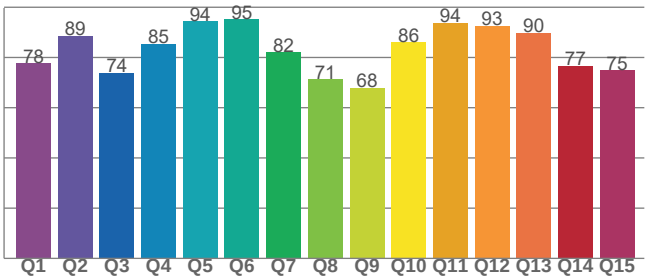
CIE 1931 - Zoom



CRI: 50.1 (R1-R8)



CQS: 81.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9363 K	0.307	0.244

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0471	0.244	0.231

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
50.1	-135.3	81.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
68	66.2	125.0

Chromaticity Report

Well STX 360: Full Power

TM-30-18 Details

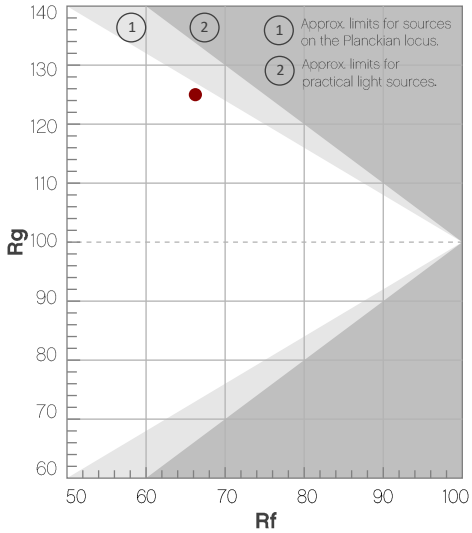
Rf 66.2

Fidelity Index (Rg)

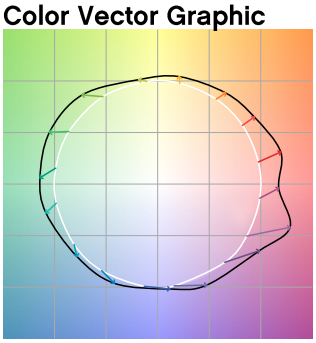
Rg 125.0

Gamut Index (Rg)

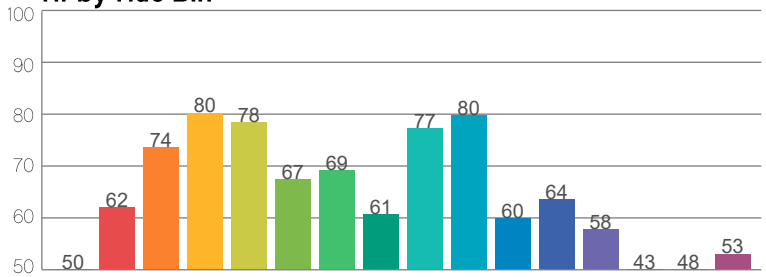
Hue Bin	R_f	Chroma Shift	Hue Shift
1	50	23%	5%
2	62	14%	0%
3	74	10%	-4%
4	80	6%	2%
5	78	3%	7%
6	67	13%	16%
7	69	15%	11%
8	61	13%	12%
9	77	12%	7%
10	80	4%	11%
11	60	3%	17%
12	64	-2%	25%
13	58	5%	31%
14	43	9%	34%
15	48	30%	30%
16	53	16%	13%



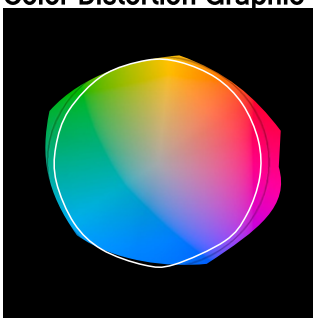
Color Vector Graphic



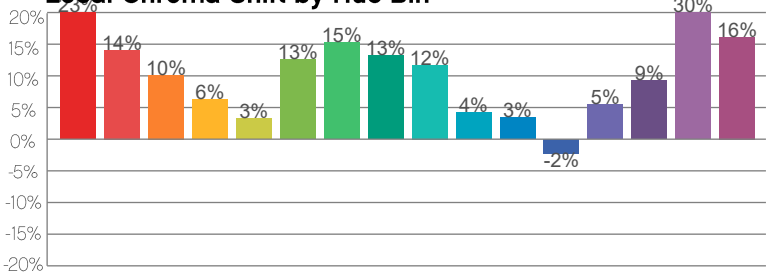
Rf by Hue Bin



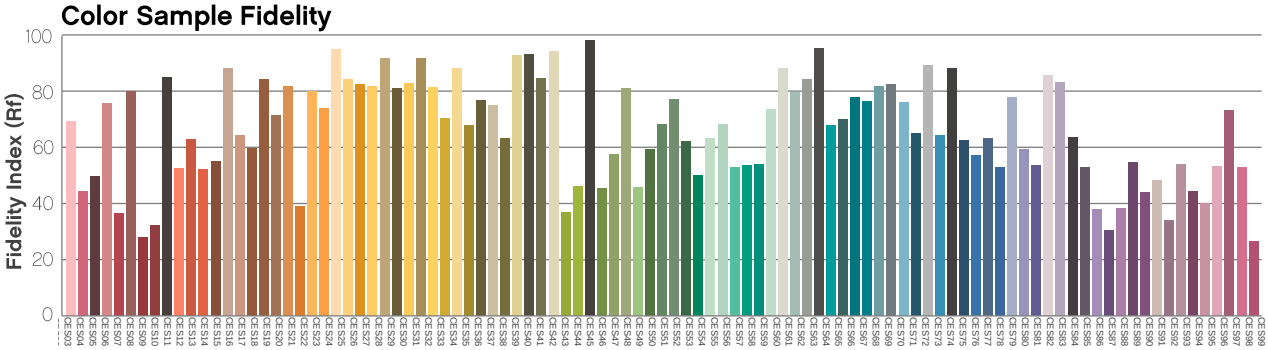
Color Distortion Graphic



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Full Power

Report Summary

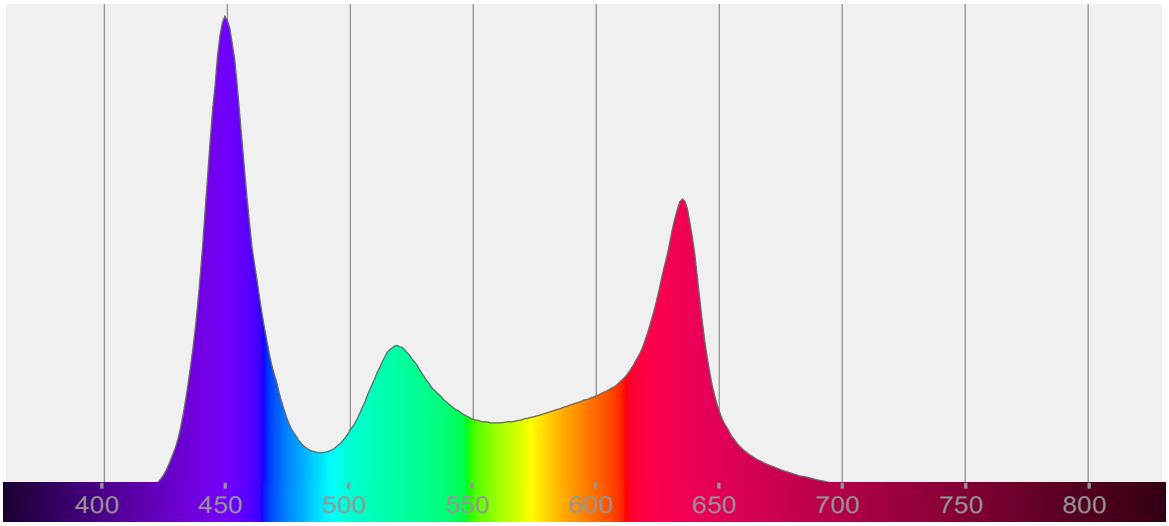
Measurements

Total Lumens: 509 lm
Peak Intensity: 46.5 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 9611K
Δuv: -0.0465

CRI: 49.9 CRI R9 Value: -136.3
CQS: 81.3
TLCI: 67
TM-30-18 Rf: 66.2
TM-30-18 Rg: 125.2
1st Dominant Wavelength: 449 nM
2nd Dominant Wavelength: 635 nM

Spectral Distribution



Tested Color

9611 K
CIE 1931 Coordinates:
X: 0.306 Y: 0.244

Color Temperature

9611 K

Light Quality

CRI: 49.9

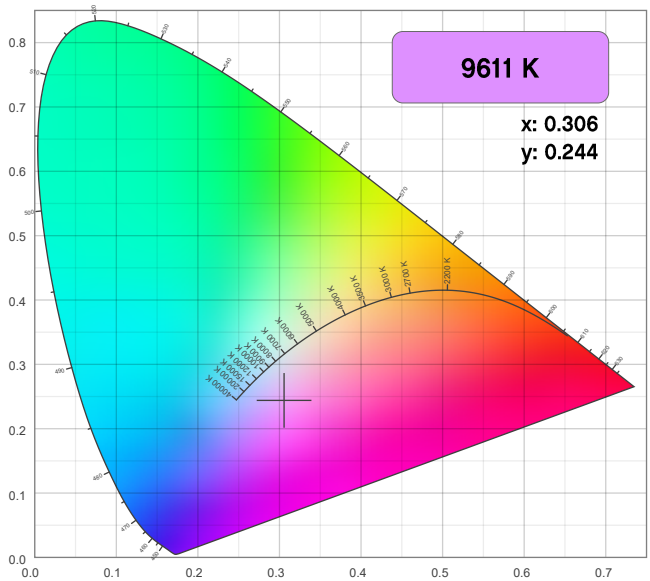
Notes:

Chromaticity Report

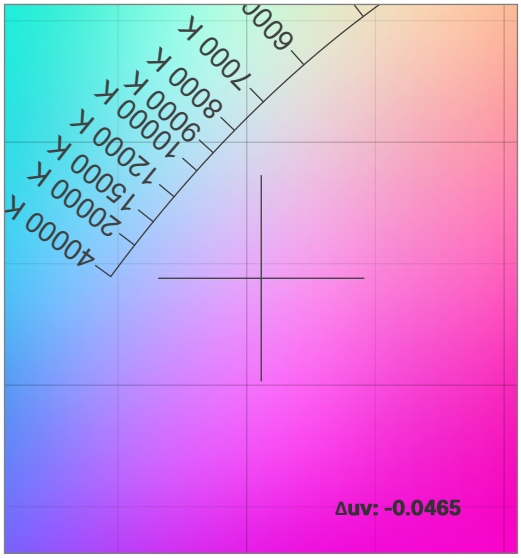
Well STX 360: Full Power

Chromaticity

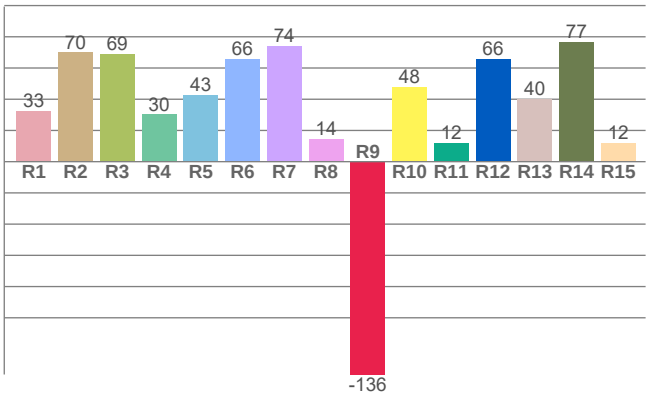
CIE 1931



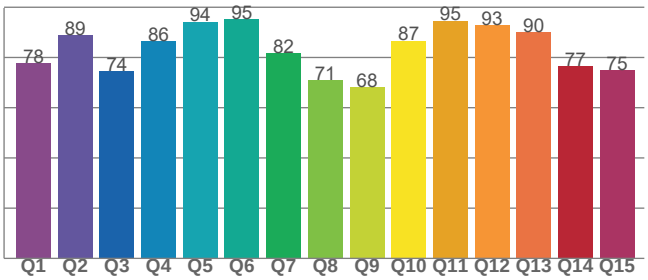
CIE 1931 - Zoom



CRI: 49.9 (R1-R8)



CQS: 81.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9611 K	0.306	0.244

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0465	0.244	0.230

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
49.9	-136.3	81.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
67	66.2	125.2

Chromaticity Report

Well STX 360: Full Power

TM-30-18 Details

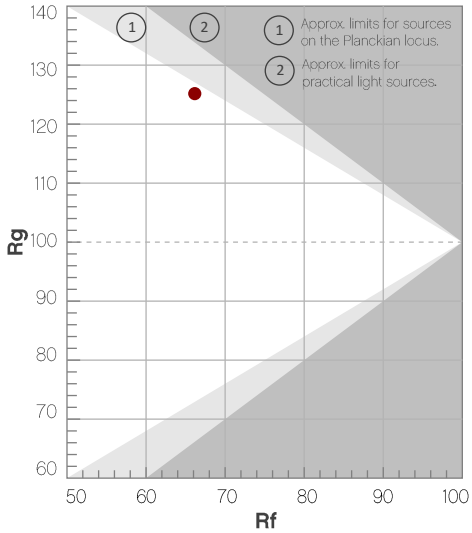
Rf 66.2

Fidelity Index (Rg)

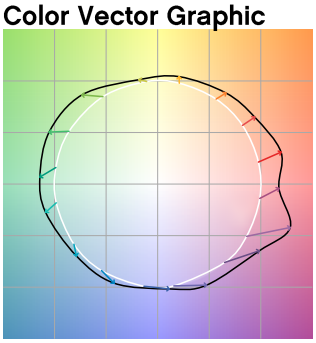
Rg 125.2

Gamut Index (Rg)

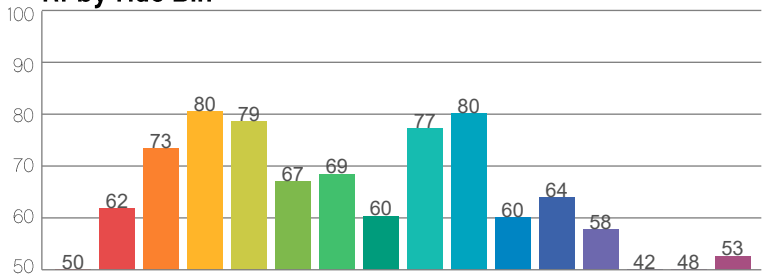
Hue Bin	R_f	Chroma Shift	Hue Shift
1	50	23%	5%
2	62	14%	0%
3	73	10%	-5%
4	80	6%	1%
5	79	3%	7%
6	67	13%	16%
7	69	16%	11%
8	60	13%	12%
9	77	12%	7%
10	80	4%	11%
11	60	3%	17%
12	64	-2%	25%
13	58	5%	31%
14	42	9%	34%
15	48	30%	31%
16	53	16%	13%



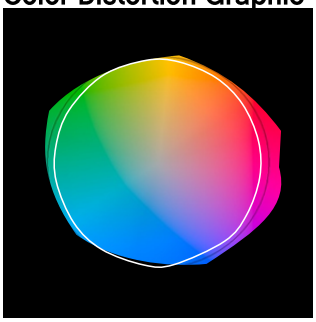
Color Vector Graphic



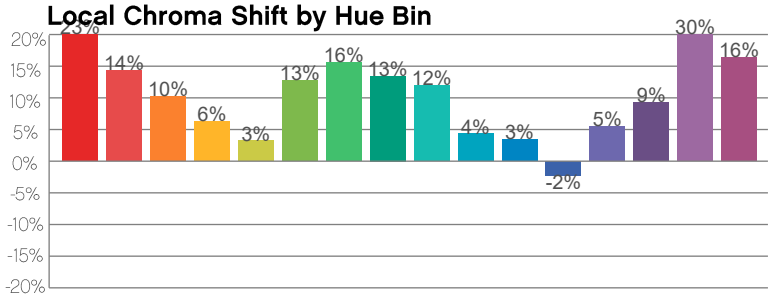
Rf by Hue Bin



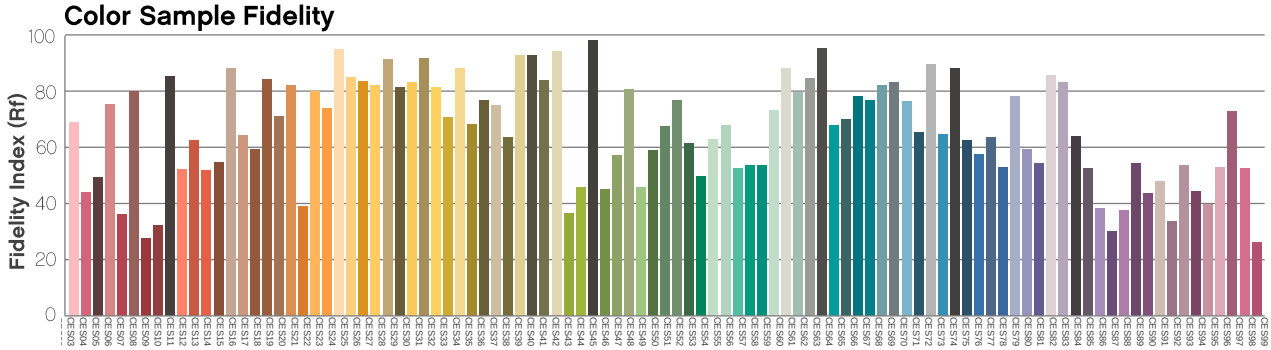
Color Distortion Graphic



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Full Power

Report Summary

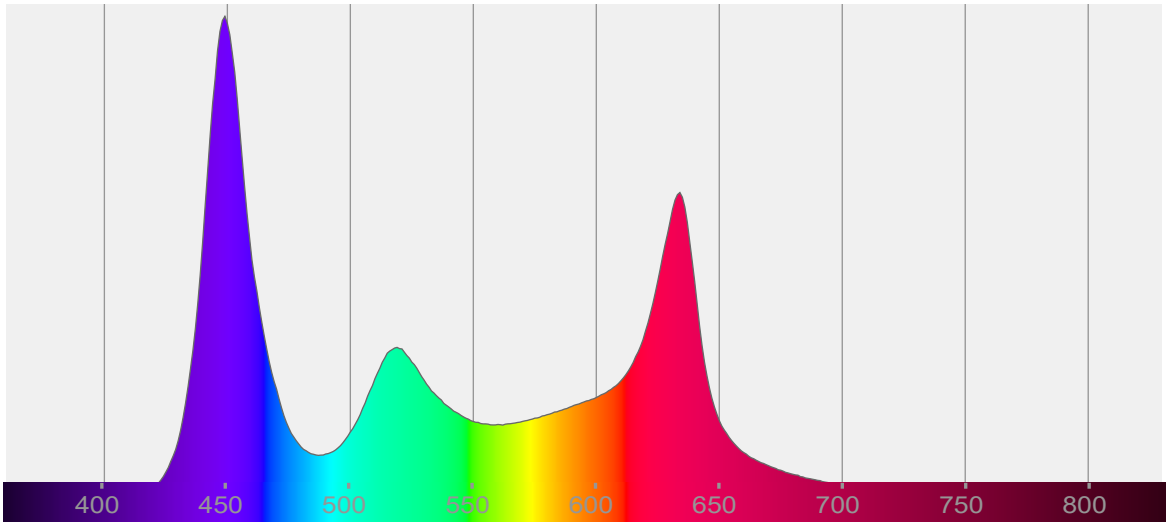
Measurements

Total Lumens: 343 lm
Peak Intensity: 31.4 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 9208K
Δuv: -0.0482

CRI: 48.5 CRI R9 Value: -137.4
CQS: 80.9
TLCI: 67
TM-30-18 Rf: 65.6
TM-30-18 Rg: 126.1
1st Dominant Wavelength: 449 nM
2nd Dominant Wavelength: 634 nM

Spectral Distribution



Tested Color

9208 K
CIE 1931 Coordinates:
X: 0.308 Y: 0.244

Color Temperature

9208 K

Light Quality

CRI: 48.5

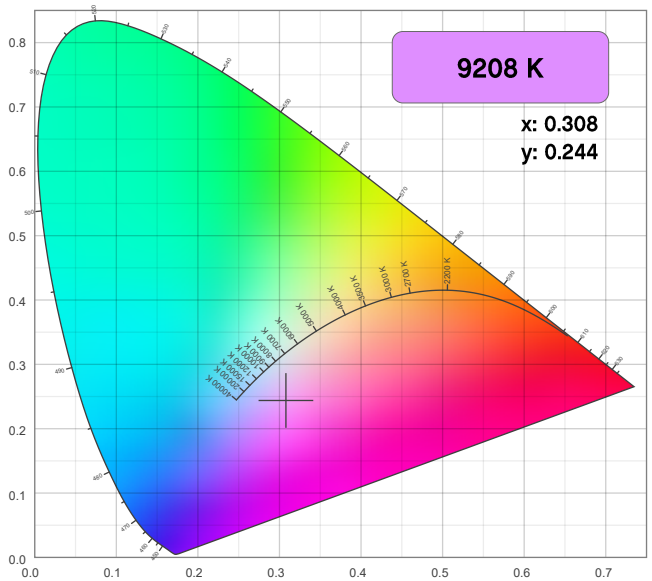
Notes:

Chromaticity Report

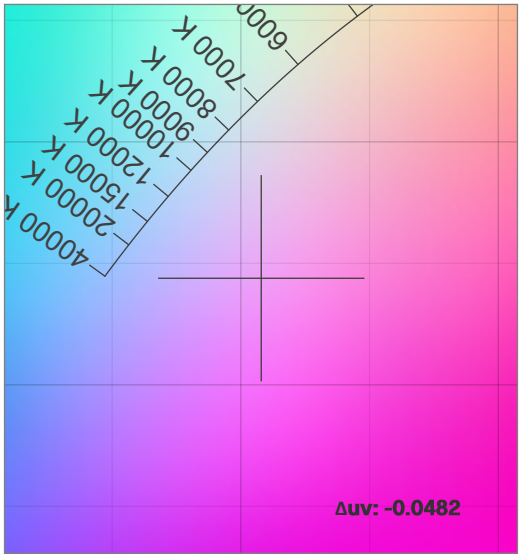
Well STX 360: Full Power

Chromaticity

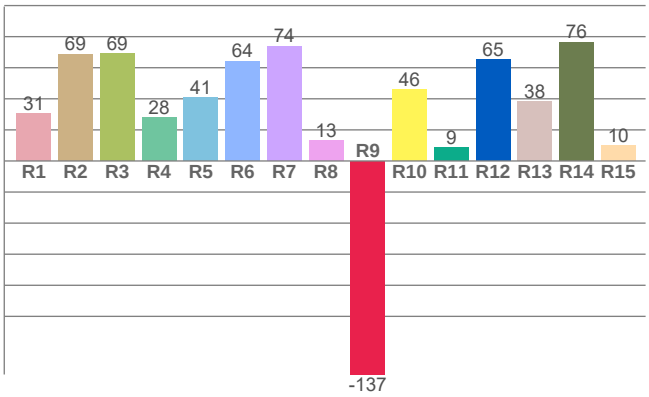
CIE 1931



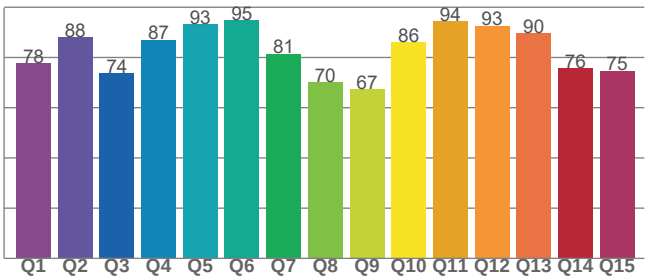
CIE 1931 - Zoom



CRI: 48.5 (R1-R8)



CQS: 80.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9208 K	0.308	0.244

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0482	0.244	0.232

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
48.5	-137.4	80.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
67	65.6	126.1

Chromaticity Report

Well STX 360: Full Power

TM-30-18 Details

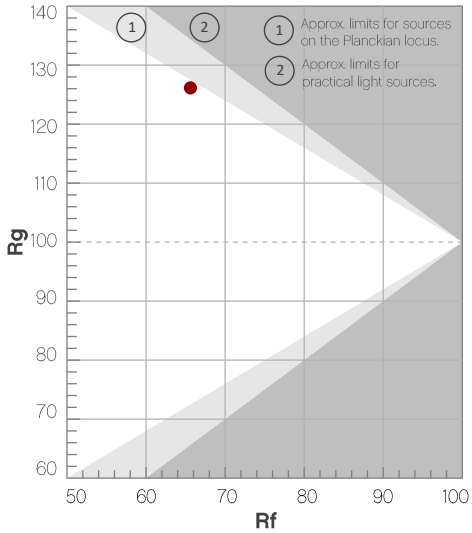
Rf 65.6

Fidelity Index (Rg)

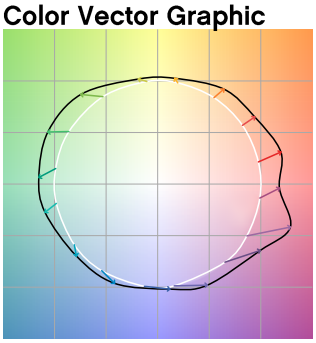
Rg 126.1

Gamut Index (Rg)

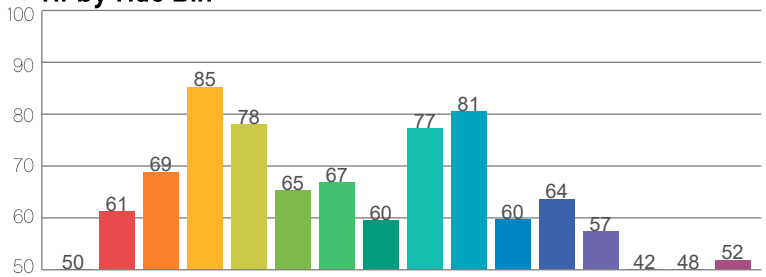
Hue Bin	R_f	Chroma Shift	Hue Shift
1	50	23%	5%
2	61	14%	0%
3	69	12%	-3%
4	85	4%	4%
5	78	4%	8%
6	65	14%	17%
7	67	17%	12%
8	60	14%	12%
9	77	13%	6%
10	81	4%	10%
11	60	3%	17%
12	64	-2%	25%
13	57	6%	32%
14	42	10%	35%
15	48	30%	31%
16	52	17%	13%



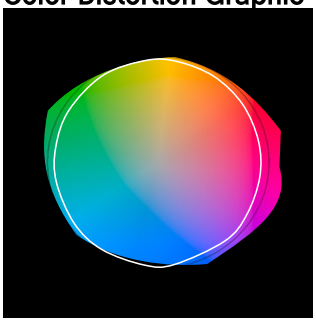
Color Vector Graphic



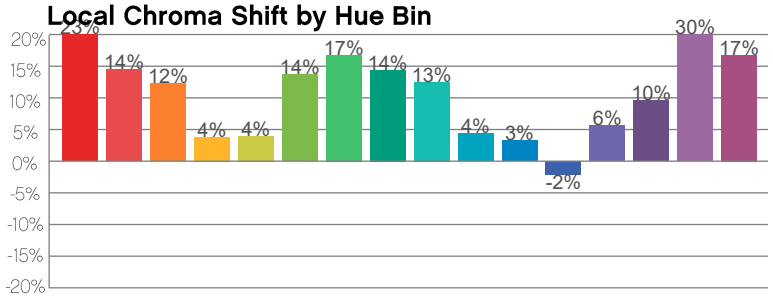
Rf by Hue Bin



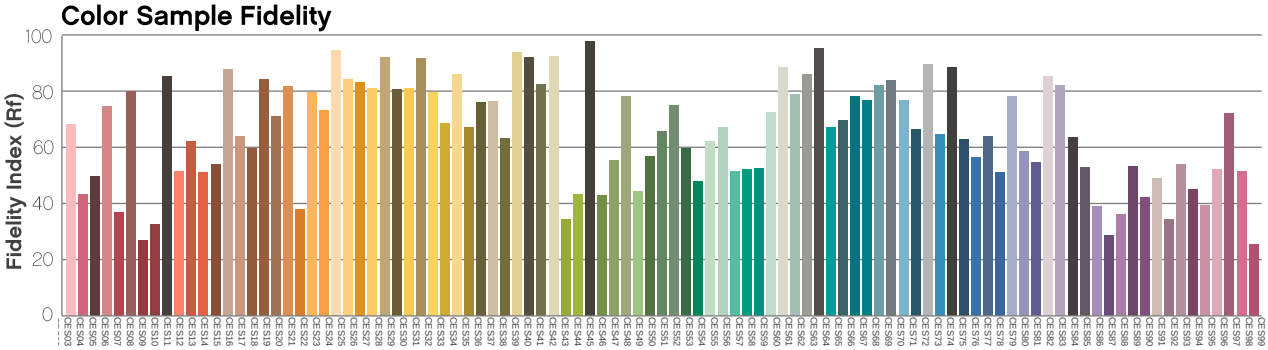
Color Distortion Graphic



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX : Warm White Only

Report Summary

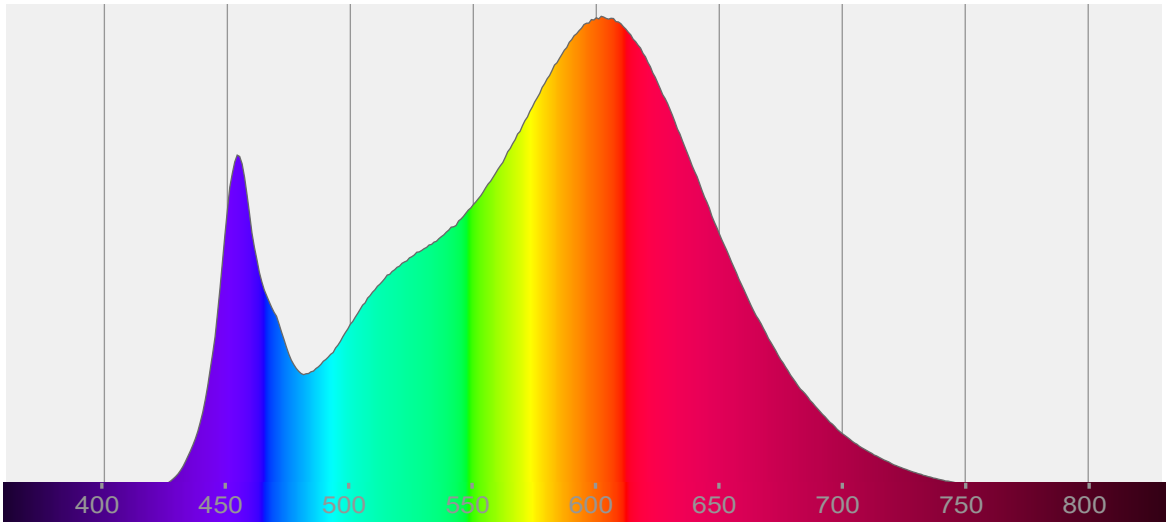
Measurements

Total Lumens: 1119 lm
Peak Intensity: 102 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3186K
Δuv: -0.0026

CRI: 83.9 CRI R9 Value: 11.6
CQS: 82.6
TLCI: 71
TM-30-18 Rf: 83.0
TM-30-18 Rg: 95.0
1st Dominant Wavelength: 602 nM
2nd Dominant Wavelength: 454 nM

Spectral Distribution



Tested Color

3186 K
CIE 1931 Coordinates:
X: 0.421 Y: 0.392

Color Temperature

3186 K

Light Quality

CRI: 83.9

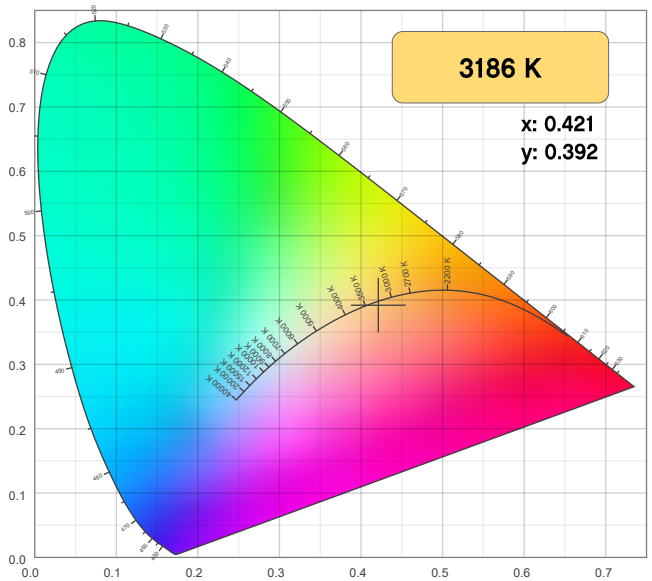
Notes:

Chromaticity Report

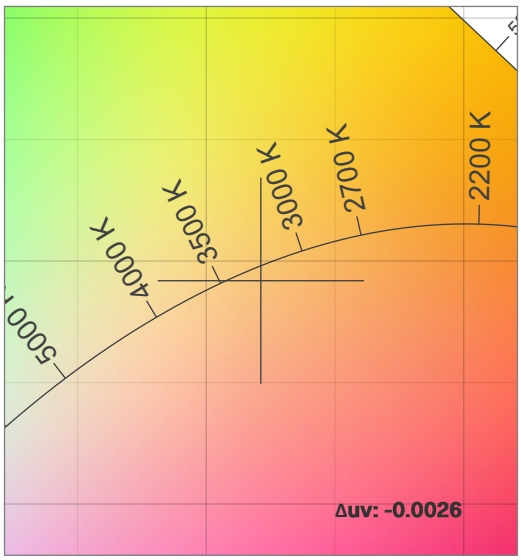
Well STX : Warm White Only

Chromaticity

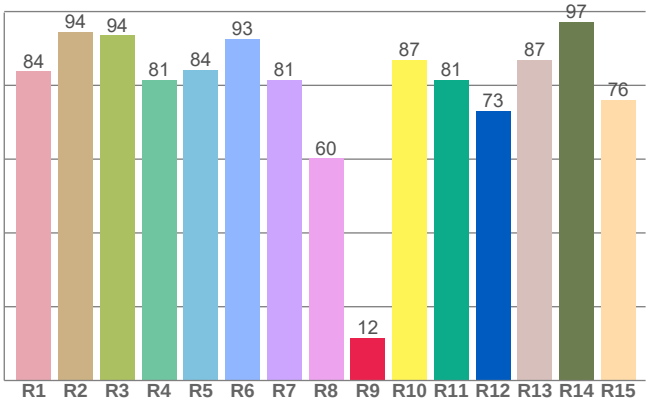
CIE 1931



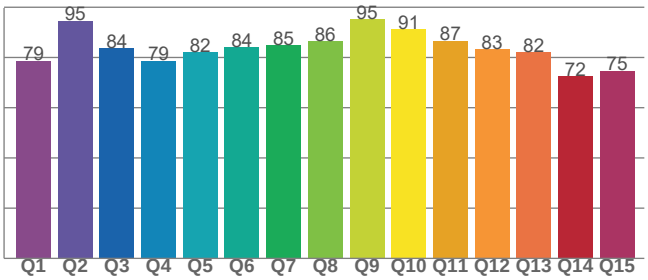
CIE 1931 - Zoom



CRI: 83.9 (R1-R8)



CQS: 82.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3186 K	0.421	0.392

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0026	0.392	0.246

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.9	11.6	82.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
71	83.0	95.0

Chromaticity Report

Well STX : Warm White Only

TM-30-18 Details

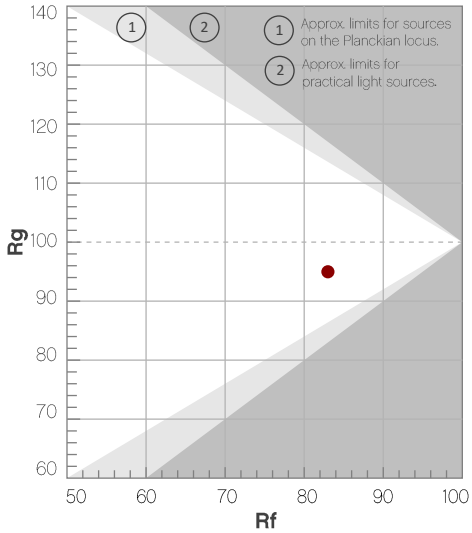
Rf 83.0

Fidelity Index (Rg)

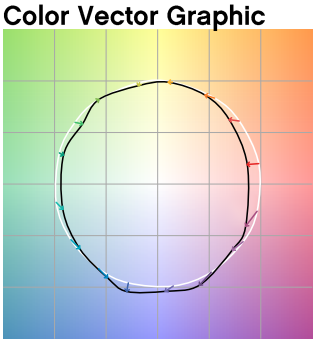
Rg 95.0

Gamut Index (Rg)

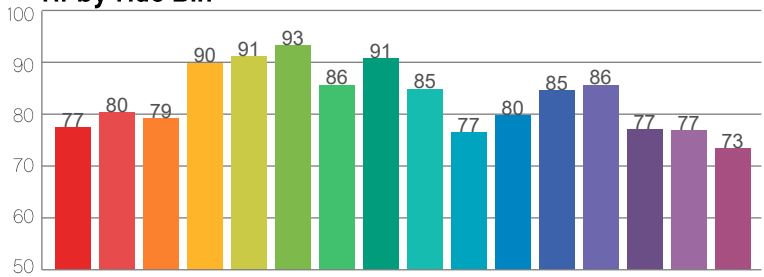
Hue Bin	R_f	Chroma Shift	Hue Shift
1	77	-11%	1%
2	80	-7%	7%
3	79	-3%	9%
4	90	-1%	4%
5	91	-3%	2%
6	93	0%	-2%
7	86	-7%	-3%
8	91	-4%	1%
9	85	-5%	8%
10	77	-2%	12%
11	80	3%	12%
12	85	8%	0%
13	86	4%	-9%
14	77	4%	-16%
15	77	-4%	-12%
16	73	-8%	-16%



Color Vector Graphic

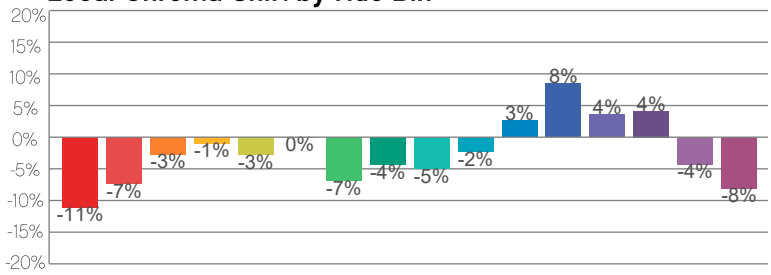


Rf by Hue Bin

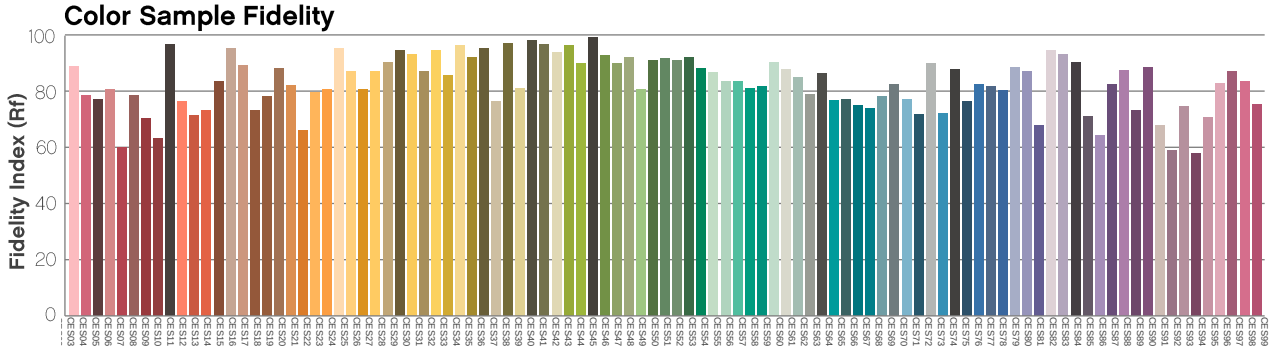


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360 : Warm White Only

Report Summary

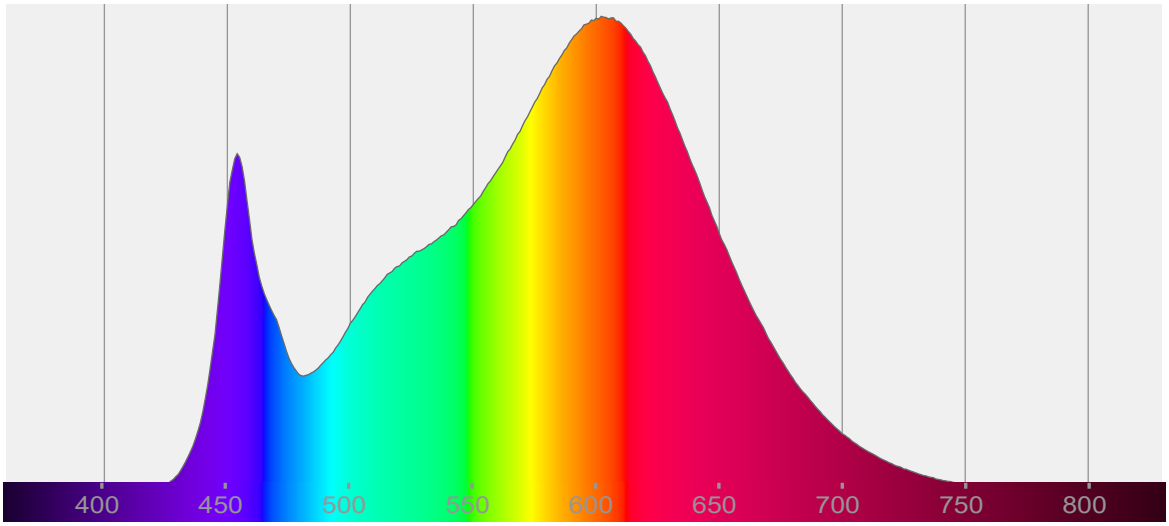
Measurements

Total Lumens: 1128 lm
Peak Intensity: 102 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3183K
Δuv: -0.0025

CRI: 84.0 CRI R9 Value: 11.8
CQS: 82.7
TLCI: 71
TM-30-18 Rf: 83.1
TM-30-18 Rg: 95.1
1st Dominant Wavelength: 602 nM
2nd Dominant Wavelength: 454 nM

Spectral Distribution



Tested Color

3183 K
CIE 1931 Coordinates:
X: 0.422 Y: 0.392

Color Temperature

3183 K

Light Quality

CRI: 84.0

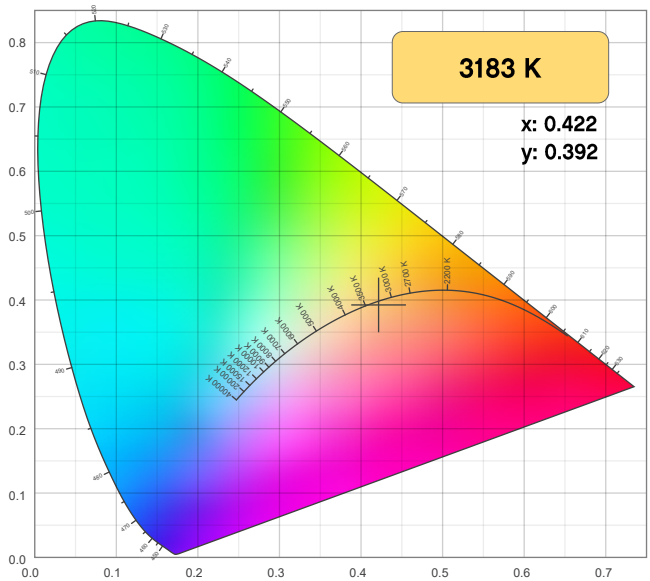
Notes:

Chromaticity Report

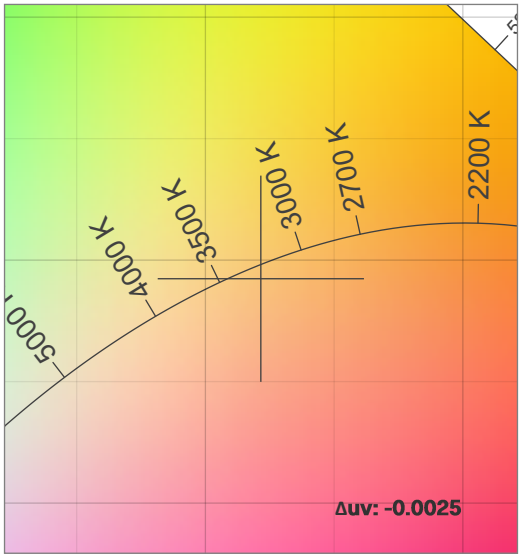
Well STX 360 : Warm White Only

Chromaticity

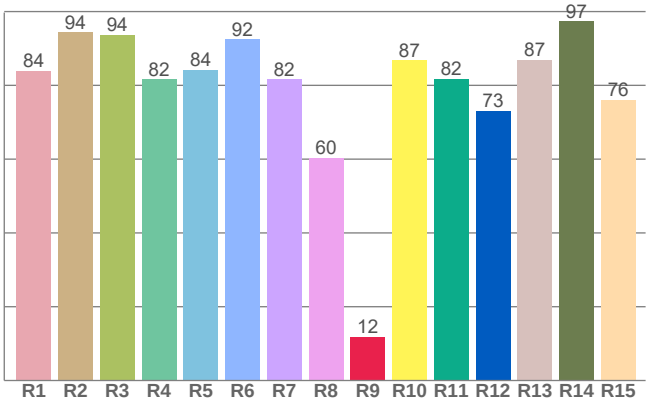
CIE 1931



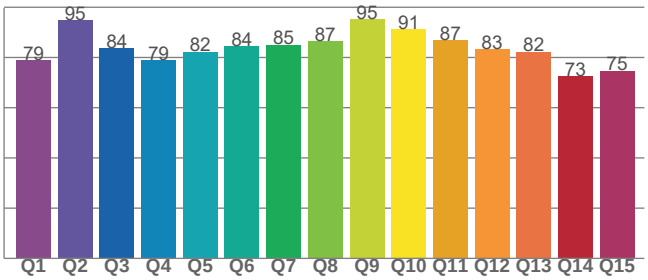
CIE 1931 - Zoom



CRI: 84.0 (R1-R8)



CQS: 82.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3183 K	0.422	0.392

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0025	0.392	0.246

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
84.0	11.8	82.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
71	83.1	95.1

Chromaticity Report

Well STX 360 : Warm White Only

TM-30-18 Details

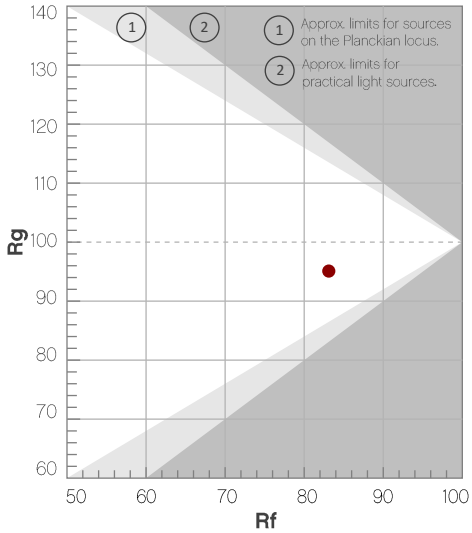
Rf 83.1

Fidelity Index (Rg)

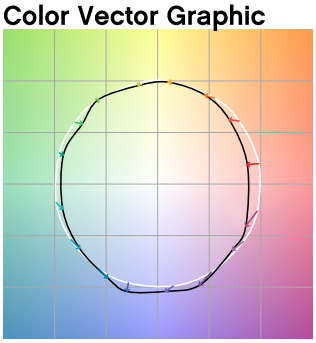
Rg 95.1

Gamut Index (Rg)

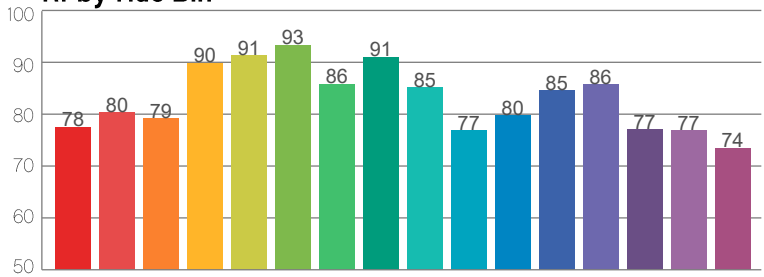
Hue Bin	R_f	Chroma Shift	Hue Shift
1	78	-11%	1%
2	80	-7%	7%
3	79	-3%	9%
4	90	-1%	4%
5	91	-3%	2%
6	93	0%	-2%
7	86	-7%	-3%
8	91	-4%	1%
9	85	-5%	8%
10	77	-2%	12%
11	80	3%	12%
12	85	8%	0%
13	86	4%	-9%
14	77	4%	-16%
15	77	-4%	-12%
16	74	-8%	-16%



Color Vector Graphic

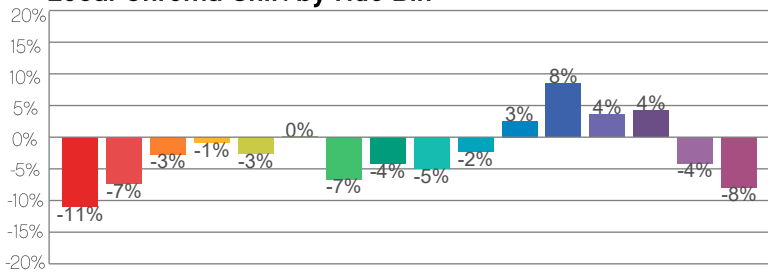


Rf by Hue Bin

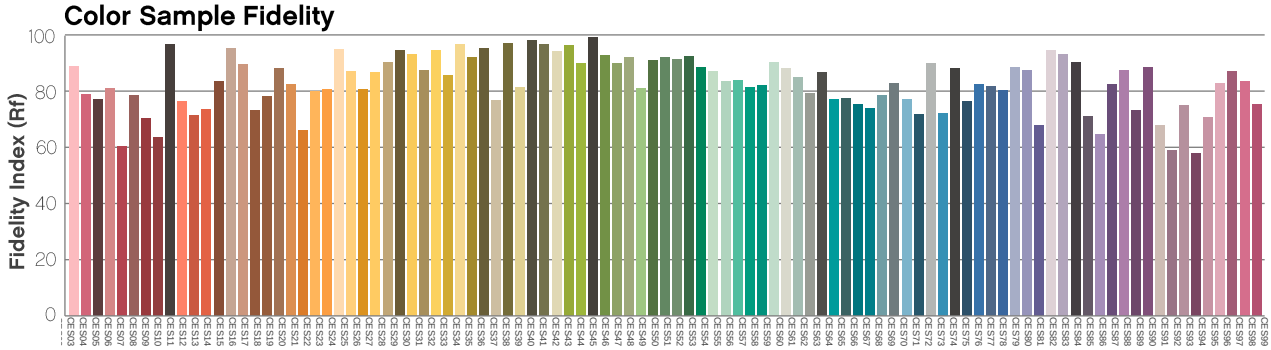


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Warm White Only

Report Summary

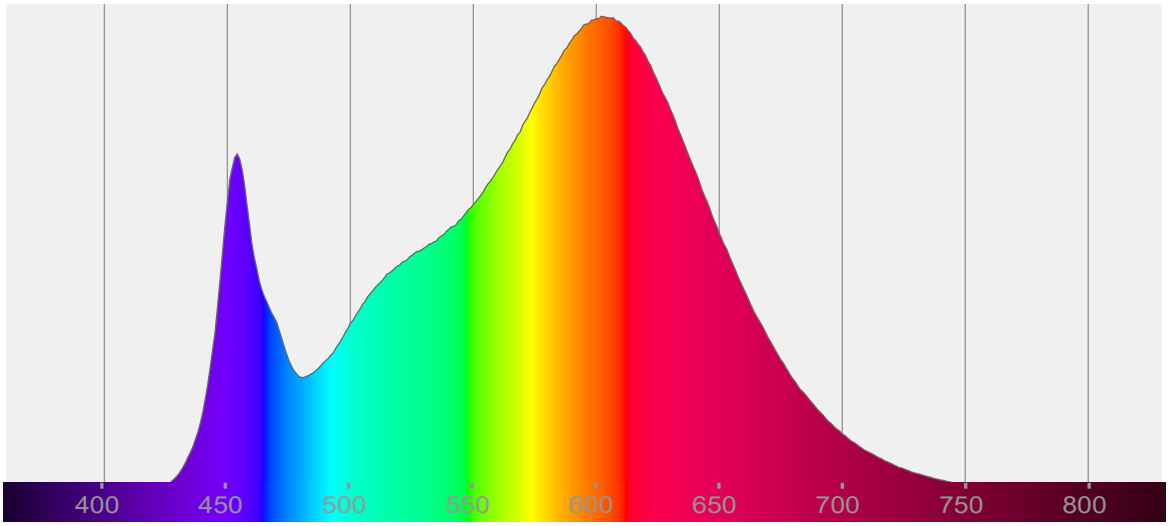
Measurements

Total Lumens: 1133 lm
Peak Intensity: 103 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3179K
Δuv: -0.0024

CRI: 84.0 CRI R9 Value: 11.7
CQS: 82.8
TLCI: 71
TM-30-18 Rf: 83.2
TM-30-18 Rg: 95.2
1st Dominant Wavelength: 602 nM
2nd Dominant Wavelength: 454 nM

Spectral Distribution



Tested Color

3179 K
CIE 1931 Coordinates:
X: 0.422 Y: 0.393

Color Temperature

3179 K

Light Quality

CRI: 84.0

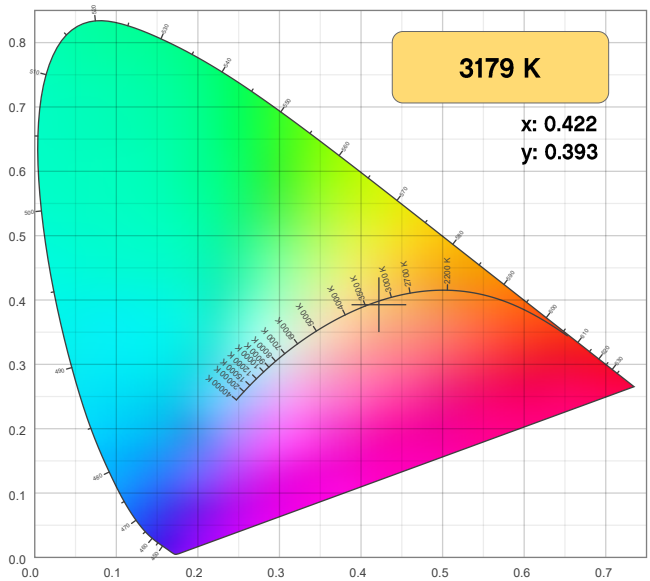
Notes:

Chromaticity Report

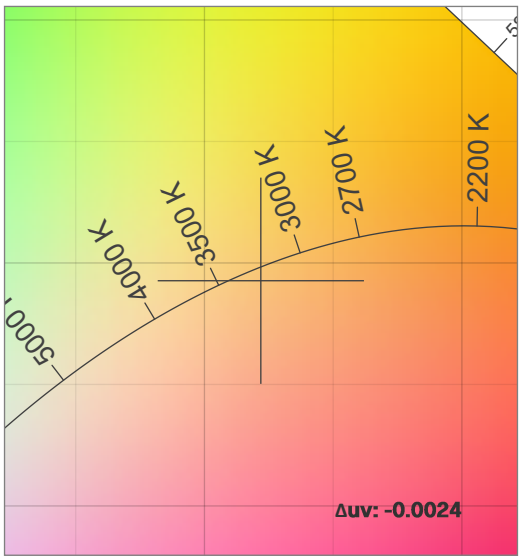
Well STX 360: Warm White Only

Chromaticity

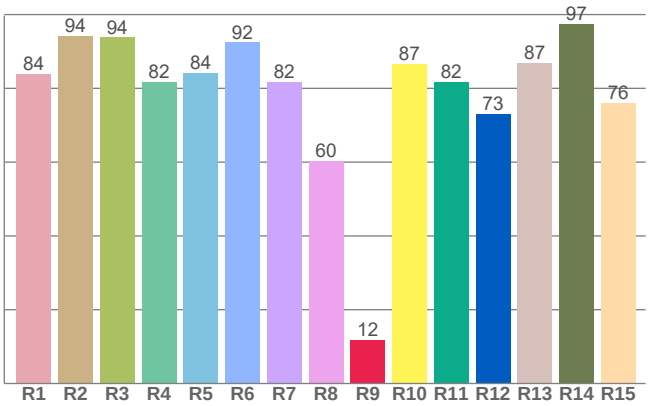
CIE 1931



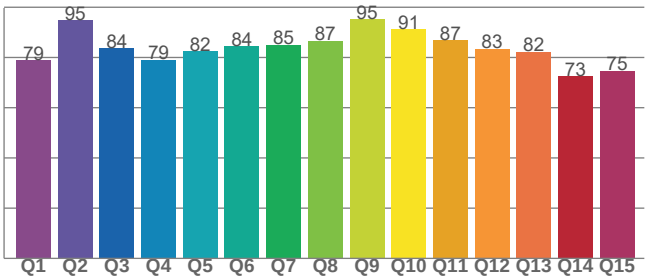
CIE 1931 - Zoom



CRI: 84.0 (R1-R8)



CQS: 82.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3179 K	0.422	0.393

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0024	0.393	0.246

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
84.0	11.7	82.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
71	83.2	95.2

Chromaticity Report

Well STX 360: Warm White Only

TM-30-18 Details

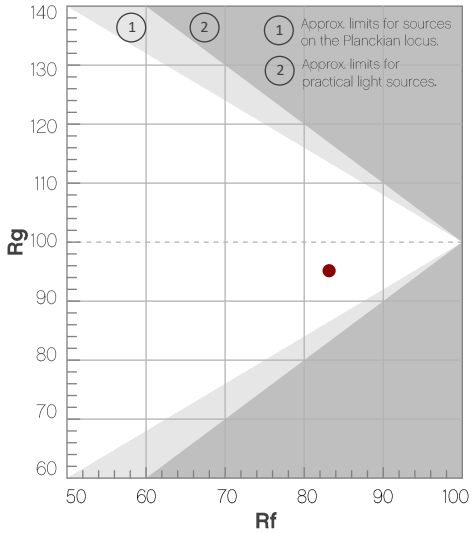
Rf 83.2

Fidelity Index (Rg)

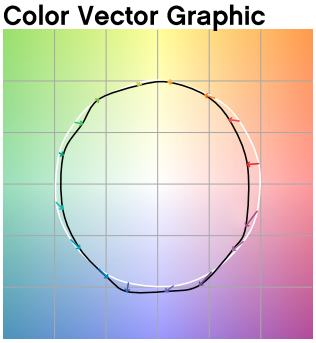
Rg 95.2

Gamut Index (Rg)

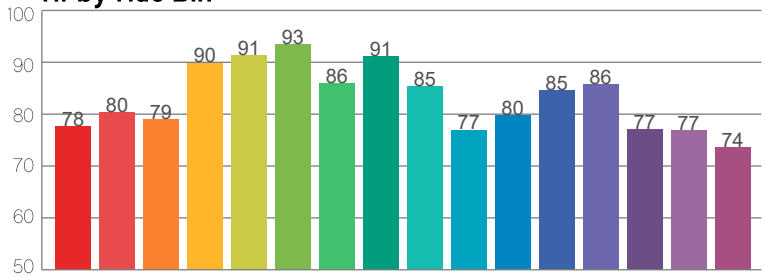
Hue Bin	R_f	Chroma Shift	Hue Shift
1	78	-11%	1%
2	80	-7%	6%
3	79	-3%	9%
4	90	-1%	4%
5	91	-3%	2%
6	93	0%	-2%
7	86	-7%	-3%
8	91	-4%	1%
9	85	-5%	7%
10	77	-2%	12%
11	80	2%	12%
12	85	8%	0%
13	86	4%	-9%
14	77	4%	-16%
15	77	-4%	-12%
16	74	-8%	-16%



Color Vector Graphic

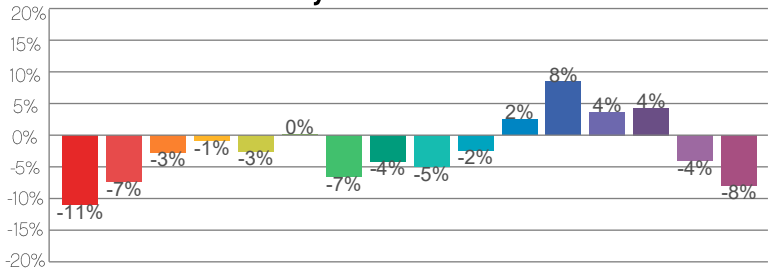


Rf by Hue Bin

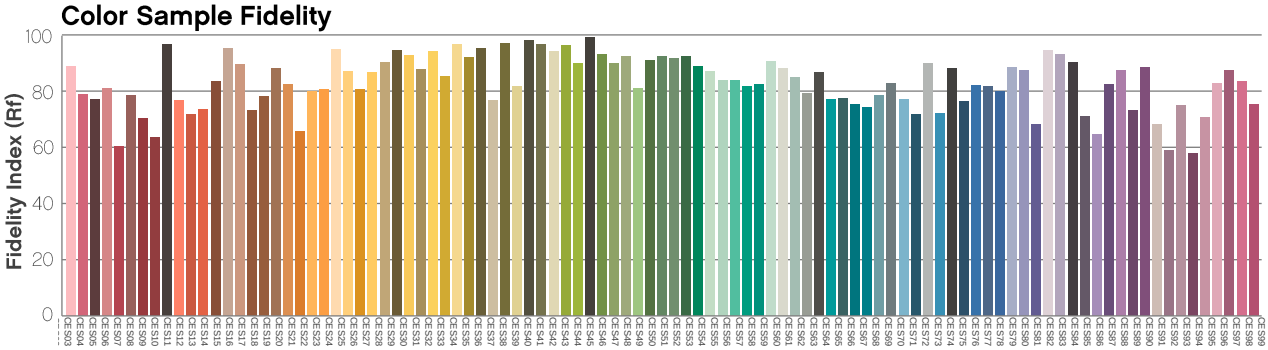


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Warm White Only

Report Summary

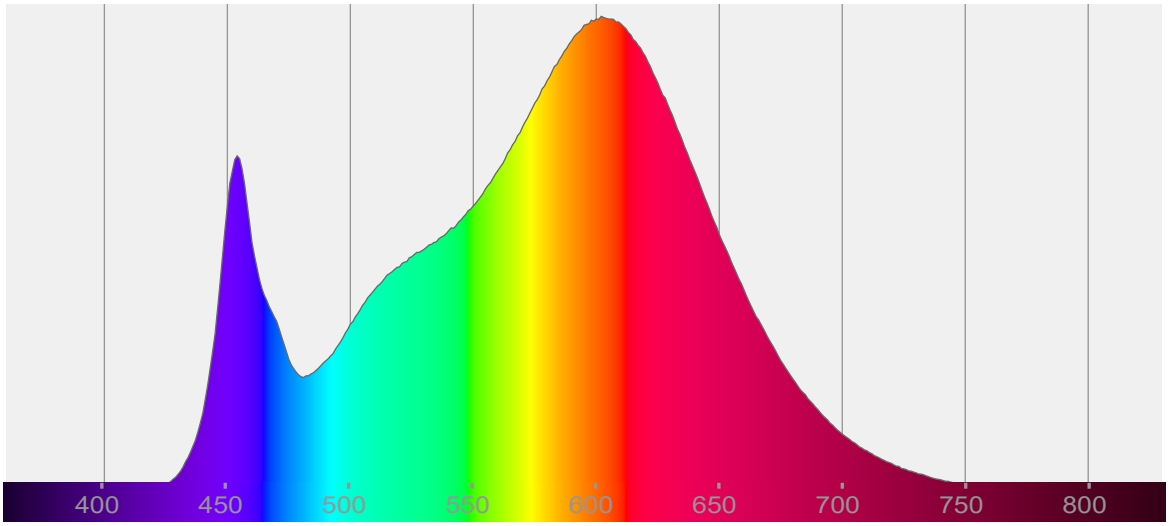
Measurements

Total Lumens: 799 lm
Peak Intensity: 72.5 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3178K
Δuv: -0.0025

CRI: 84.0 CRI R9 Value: 11.5
CQS: 82.7
TLCI: 71
TM-30-18 Rf: 83.1
TM-30-18 Rg: 95.1
1st Dominant Wavelength: 602 nM
2nd Dominant Wavelength: 454 nM

Spectral Distribution



Tested Color

3178 K
CIE 1931 Coordinates:
X: 0.422 Y: 0.392

Color Temperature

3178 K

Light Quality

CRI: 84.0

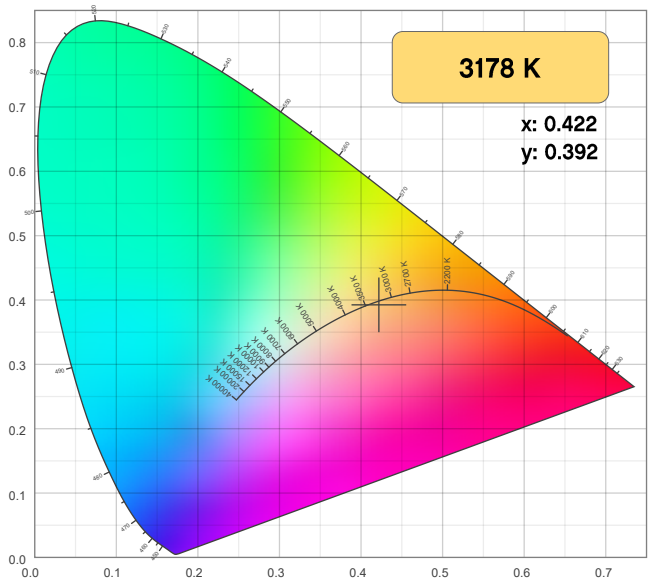
Notes:

Chromaticity Report

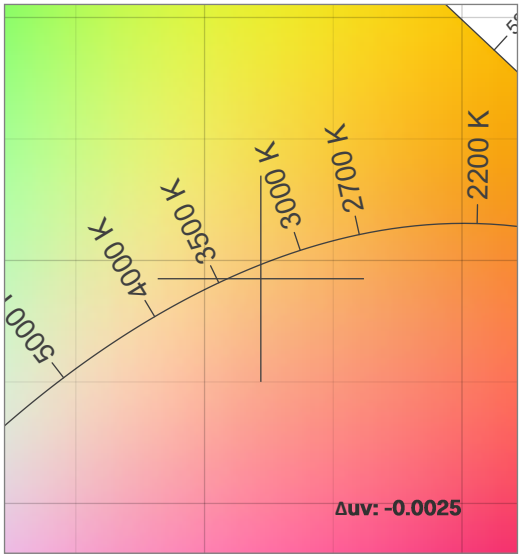
Well STX 360: Warm White Only

Chromaticity

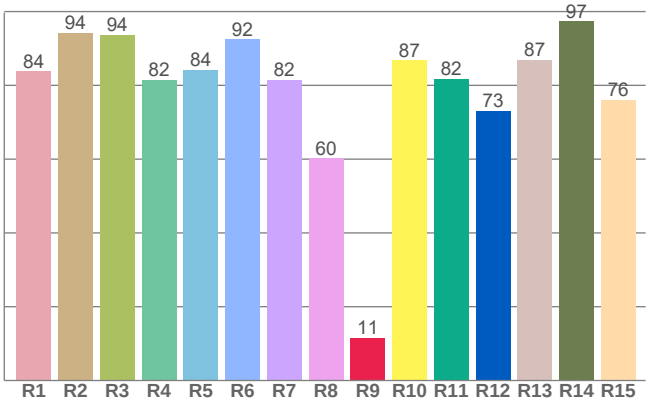
CIE 1931



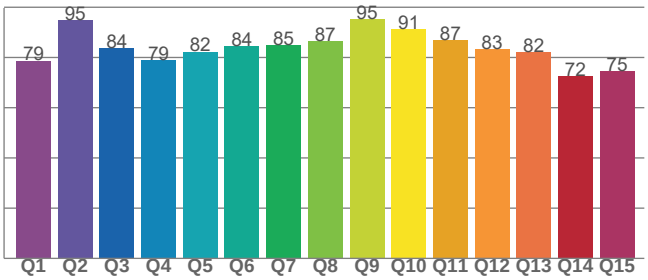
CIE 1931 - Zoom



CRI: 84.0 (R1-R8)



CQS: 82.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3178 K	0.422	0.392

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0025	0.392	0.246

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
84.0	11.5	82.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
71	83.1	95.1

Chromaticity Report

Well STX 360: Warm White Only

TM-30-18 Details

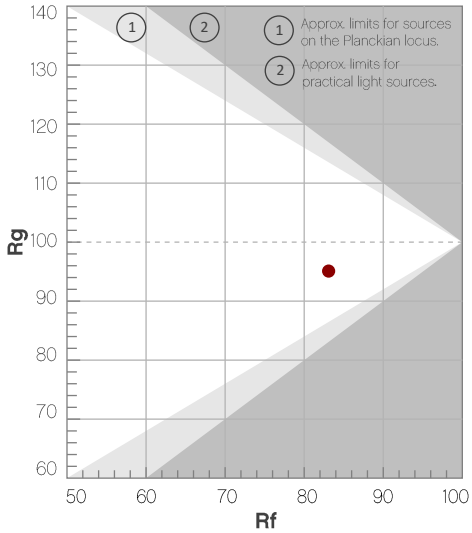
Rf 83.1

Fidelity Index (Rg)

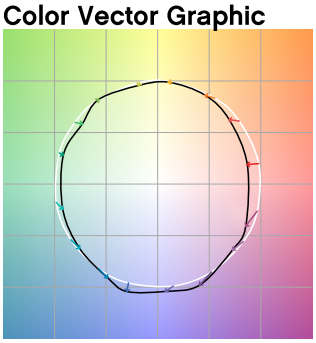
Rg 95.1

Gamut Index (Rg)

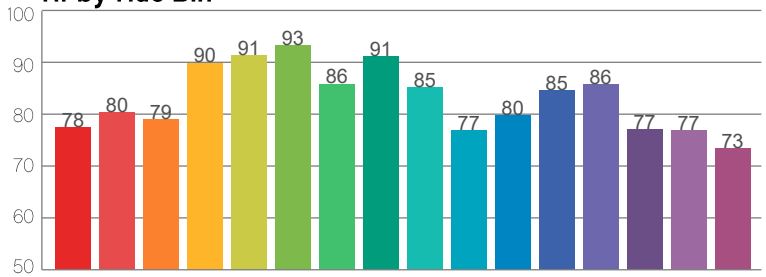
Hue Bin	R_f	Chroma Shift	Hue Shift
1	78	-11%	1%
2	80	-7%	7%
3	79	-3%	9%
4	90	-1%	4%
5	91	-3%	2%
6	93	0%	-2%
7	86	-7%	-3%
8	91	-4%	1%
9	85	-5%	8%
10	77	-2%	12%
11	80	3%	12%
12	85	8%	0%
13	86	4%	-9%
14	77	4%	-16%
15	77	-4%	-12%
16	73	-8%	-16%



Color Vector Graphic

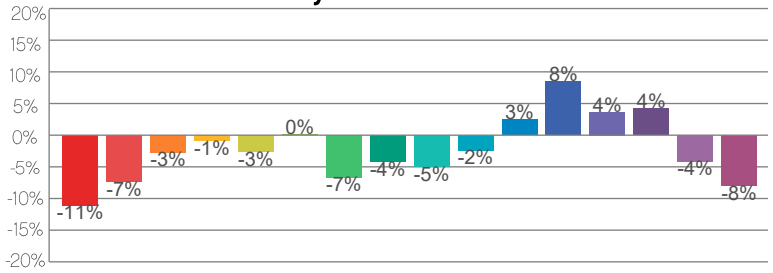


Rf by Hue Bin

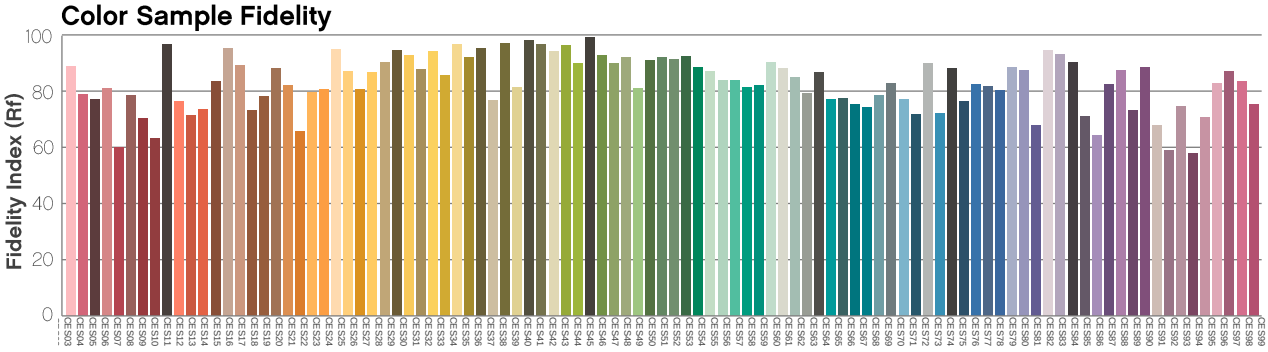


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: 3200K

Report Summary

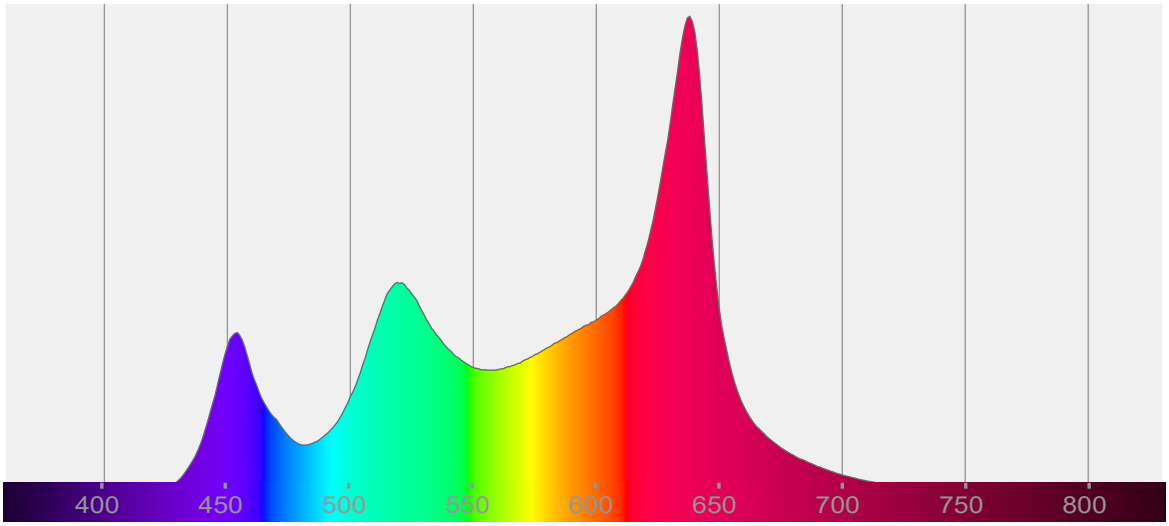
Measurements

Total Lumens: 942 lm
Peak Intensity: 86.2 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3240K
Δuv: -0.0025

CRI: 81.1 CRI R9 Value: 37.3
CQS: 87.9
TLCI: 73
TM-30-18 Rf: 86.1
TM-30-18 Rg: 108.4
1st Dominant Wavelength: 638 nM
2nd Dominant Wavelength: 519 nM

Spectral Distribution



Tested Color

3240 K
CIE 1931 Coordinates:
X: 0.418 Y: 0.391

Color Temperature

3240 K

Light Quality

CRI: 81.1

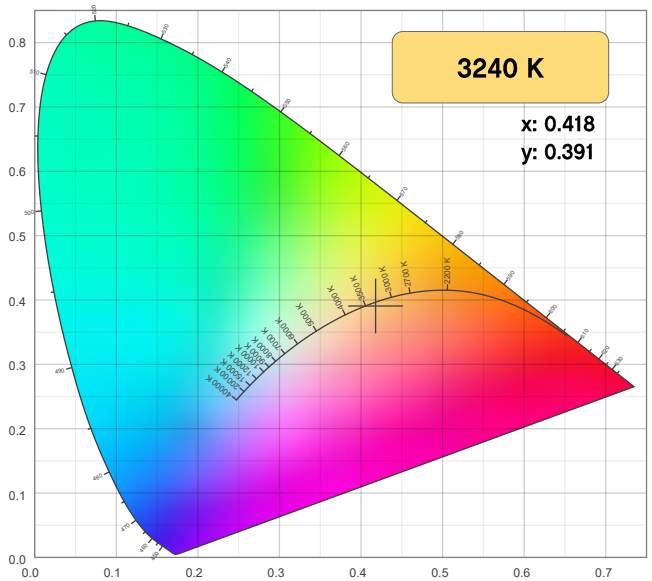
Notes:

Chromaticity Report

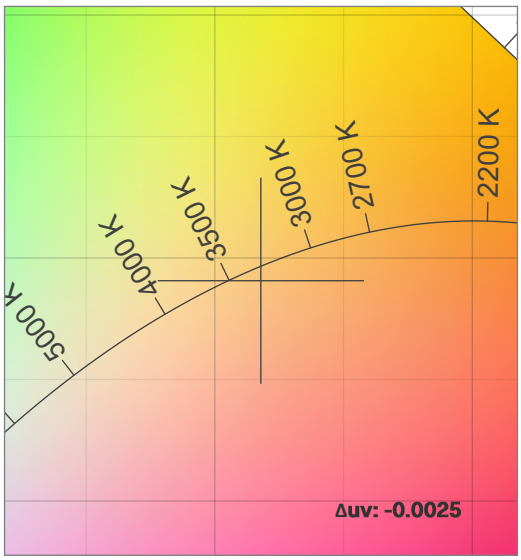
Well STX 360: 3200K

Chromaticity

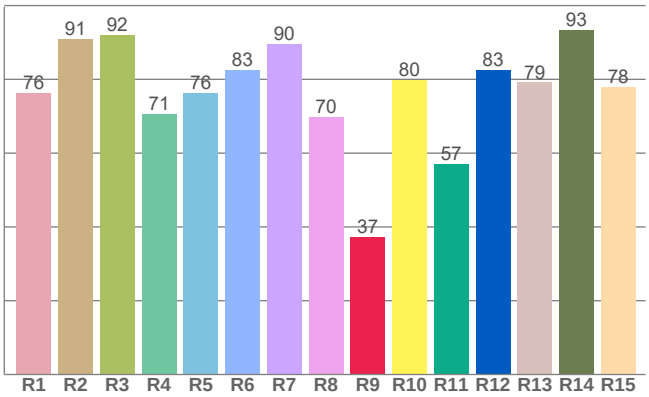
CIE 1931



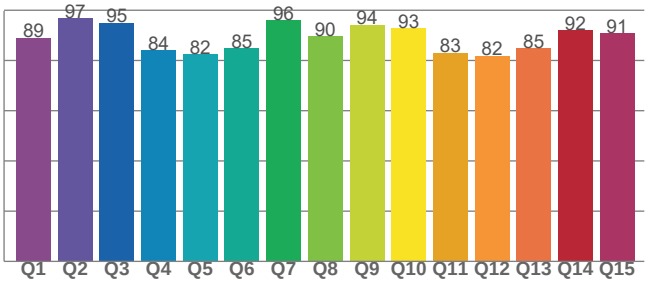
CIE 1931 - Zoom



CRI: 81.1 (R1-R8)



CQS: 87.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3240 K	0.418	0.391

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0025	0.391	0.244

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
81.1	37.3	87.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
73	86.1	108.4

Chromaticity Report

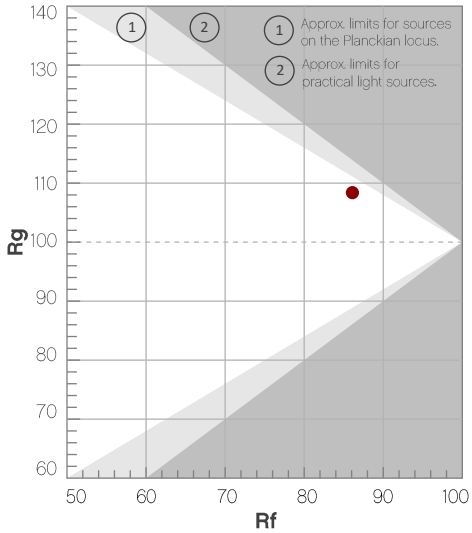
Well STX 360: 3200K

TM-30-18 Details

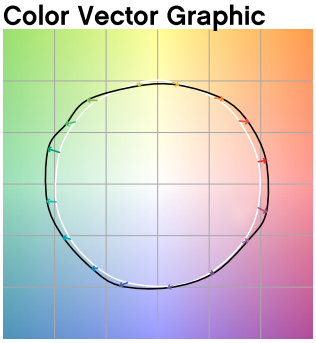
Rf 86.1
Fidelity Index (Rg)

Rg 108.4
Gamut Index (Rg)

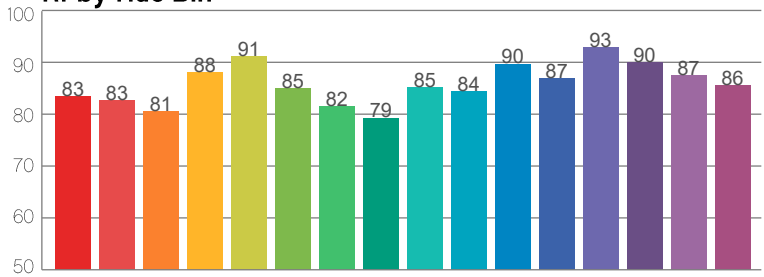
Hue Bin	R_f	Chroma Shift	Hue Shift
1	83	8%	0%
2	83	7%	-5%
3	81	4%	-7%
4	88	-2%	-6%
5	91	-3%	1%
6	85	6%	7%
7	82	6%	7%
8	79	12%	-1%
9	85	8%	-2%
10	84	5%	-5%
11	90	4%	-4%
12	87	4%	-7%
13	93	1%	-5%
14	90	2%	2%
15	87	3%	5%
16	86	9%	-3%



Color Vector Graphic

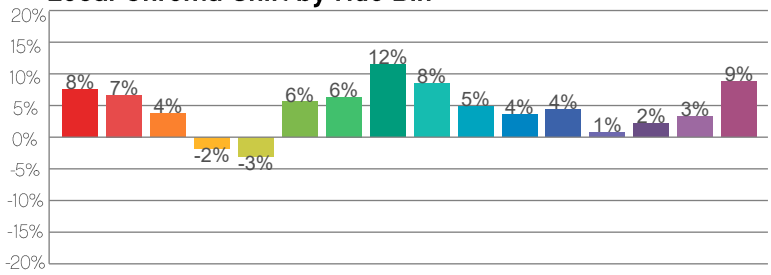


Rf by Hue Bin

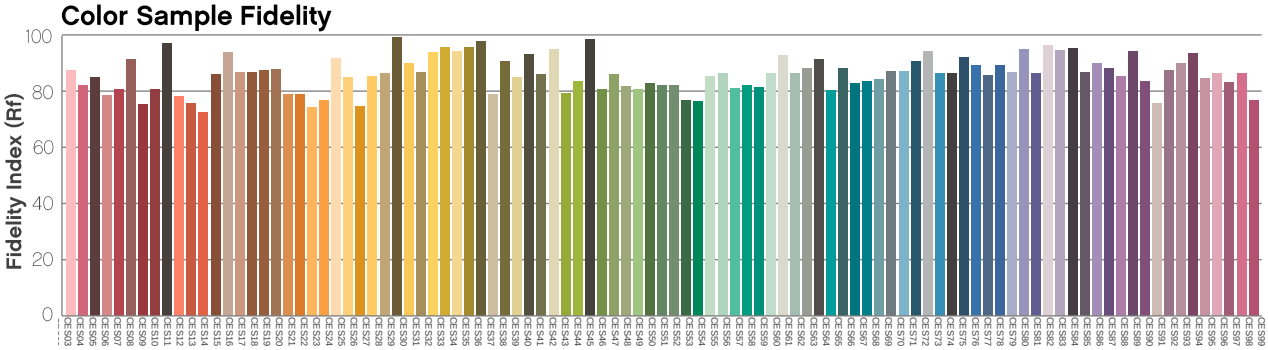


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: 4000K

Report Summary

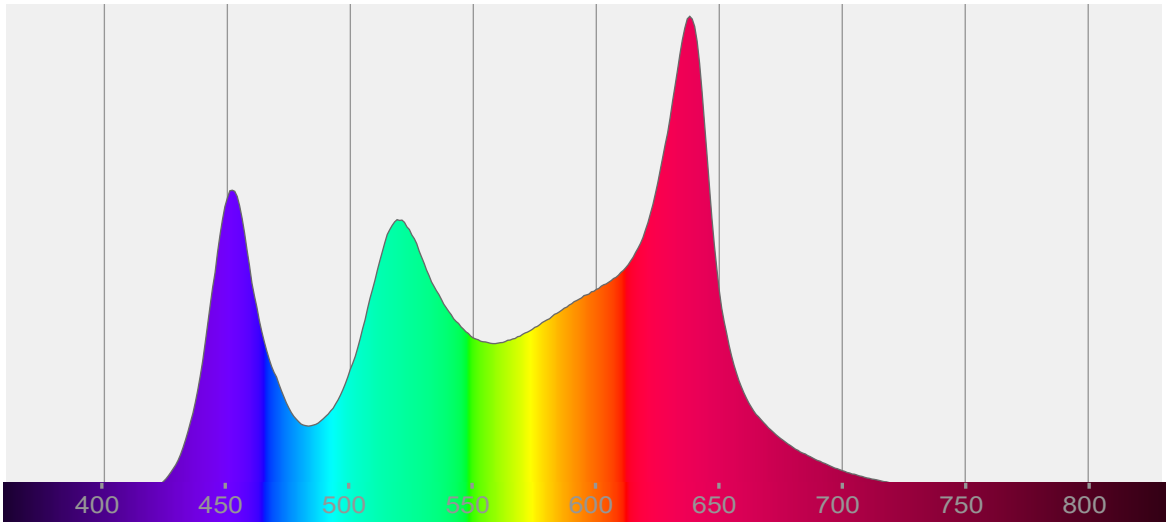
Measurements

Total Lumens: 908 lm
Peak Intensity: 83.1 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3941K
Δuv: -0.0076

CRI: 81.7 CRI R9 Value: 32.1
CQS: 91.0
TLCI: 77
TM-30-18 Rf: 87.1
TM-30-18 Rg: 110.4
1st Dominant Wavelength: 638 nM
2nd Dominant Wavelength: 452 nM

Spectral Distribution



Tested Color

3941 K
CIE 1931 Coordinates:
X: 0.378 Y: 0.359

Color Temperature

3941 K

Light Quality

CRI: 81.7

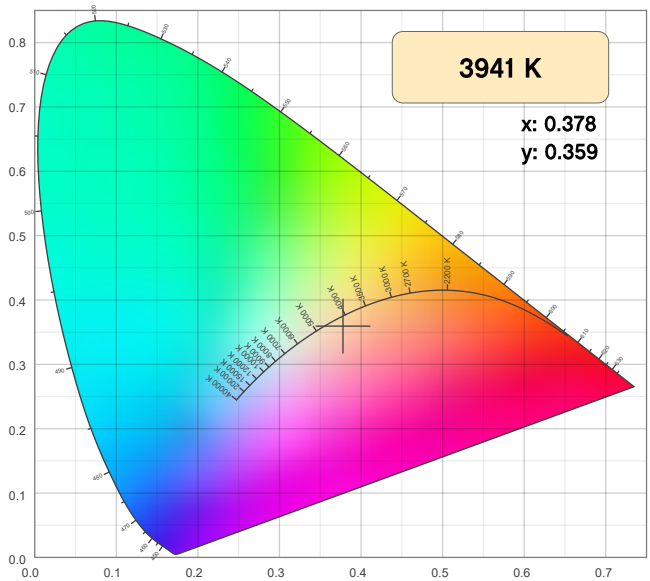
Notes:

Chromaticity Report

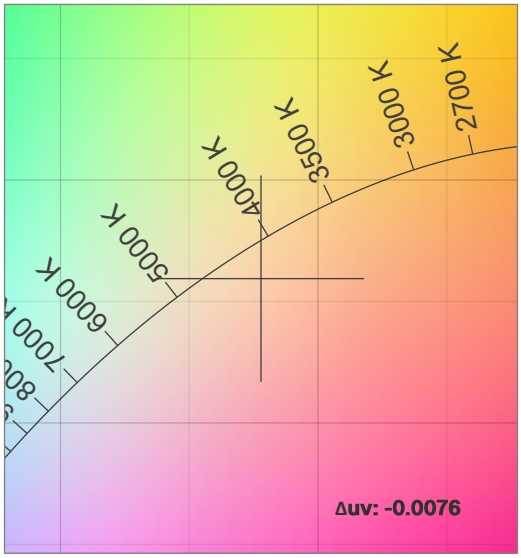
Well STX 360: 4000K

Chromaticity

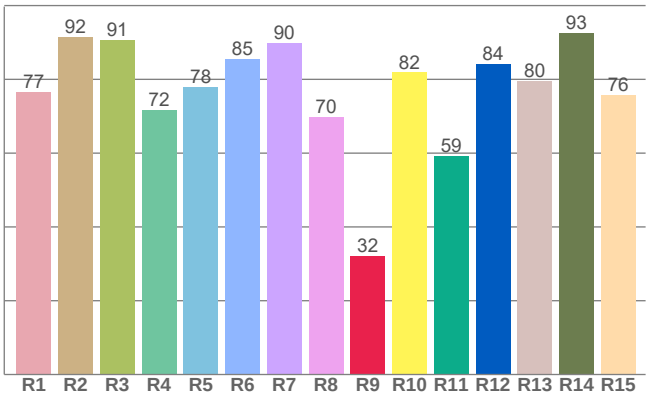
CIE 1931



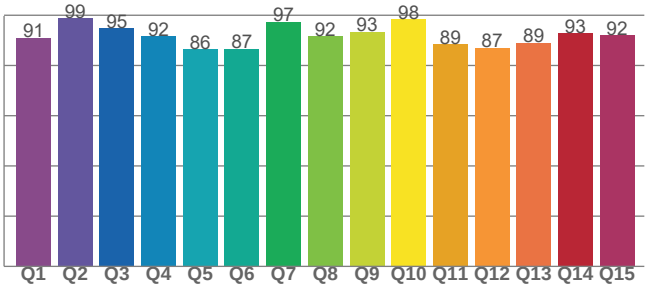
CIE 1931 - Zoom



CRI: 81.7 (R1-R8)



CQS: 91.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3941 K	0.378	0.359

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0076	0.359	0.231

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
81.7	32.1	91.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
77	87.1	110.4

Chromaticity Report

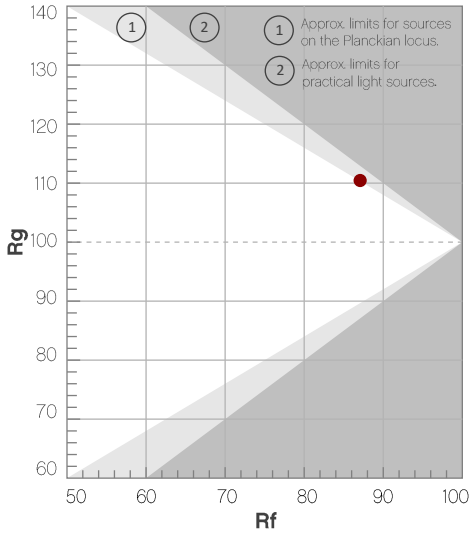
Well STX 360: 4000K

TM-30-18 Details

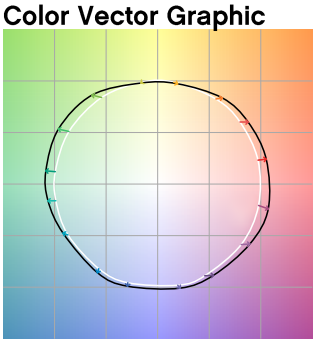
Rf 87.1
Fidelity Index (Rg)

Rg 110.4
Gamut Index (Rg)

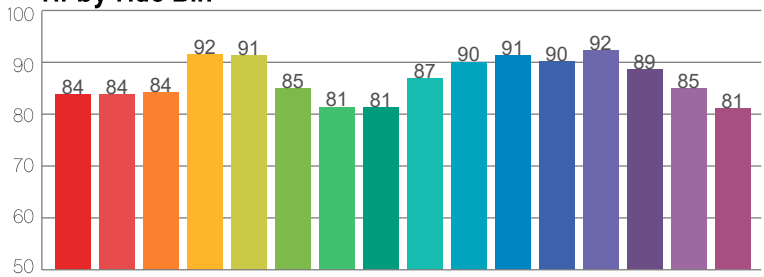
Hue Bin	R_f	Chroma Shift	Hue Shift
1	84	8%	-1%
2	84	7%	-4%
3	84	4%	-5%
4	92	-1%	-4%
5	91	-1%	1%
6	85	7%	6%
7	81	10%	4%
8	81	9%	1%
9	87	8%	-1%
10	90	3%	-4%
11	91	4%	1%
12	90	3%	0%
13	92	3%	2%
14	89	4%	7%
15	85	7%	5%
16	81	10%	-1%



Color Vector Graphic

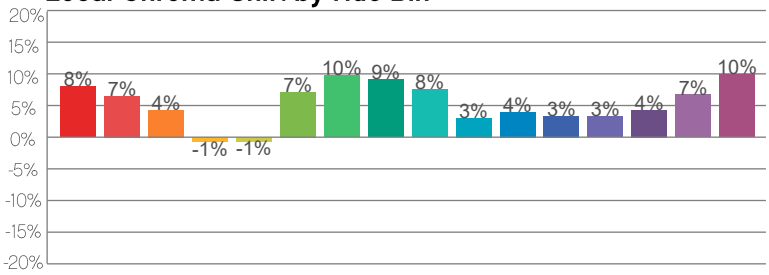


Rf by Hue Bin

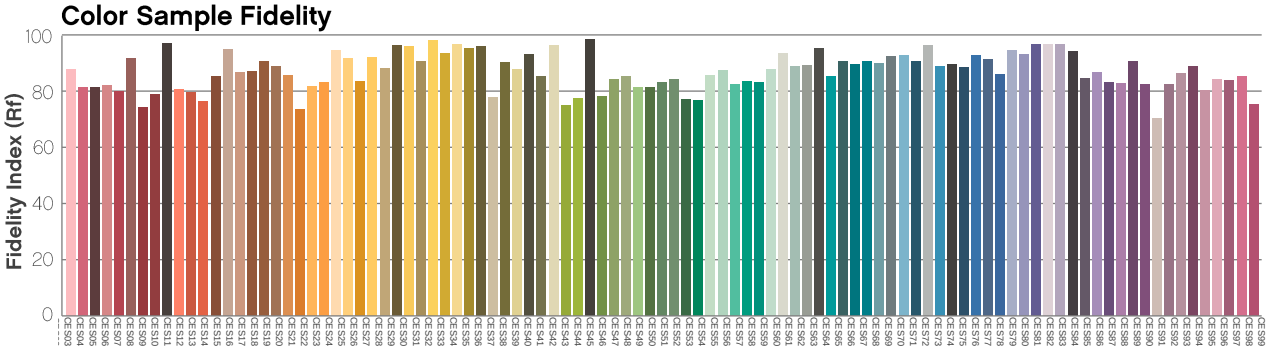


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360 : 5600K

Report Summary

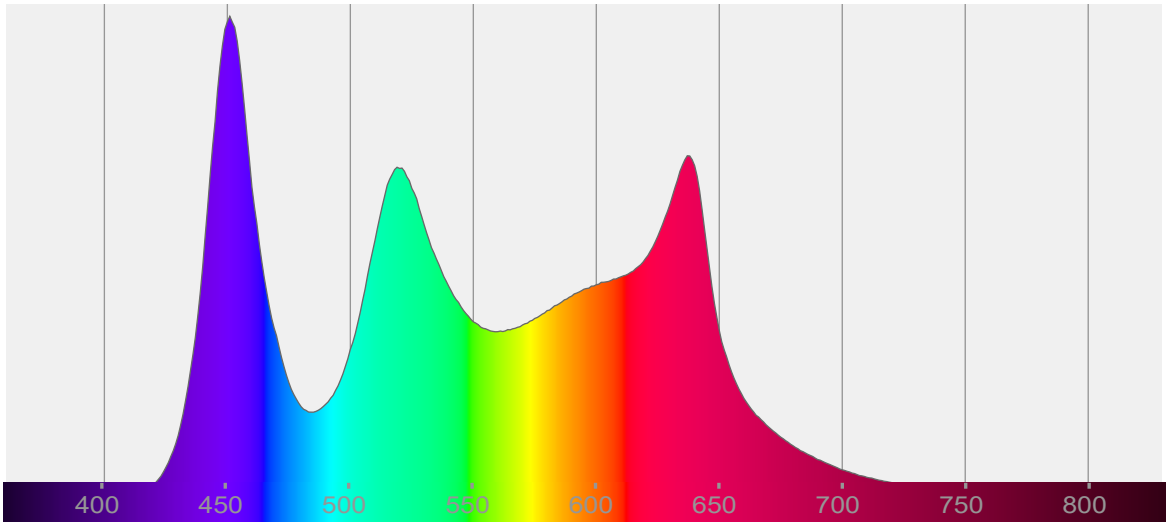
Measurements

Total Lumens: 918 lm
Peak Intensity: 83.8 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 5542K
Δuv: -0.0091

CRI: 86.0 CRI R9 Value: 50.7
CQS: 92.9
TLCI: 86
TM-30-18 Rf: 88.2
TM-30-18 Rg: 110.1
1st Dominant Wavelength: 451 nM
2nd Dominant Wavelength: 637 nM

Spectral Distribution



Tested Color

5542 K
CIE 1931 Coordinates:
X: 0.332 Y: 0.329

Color Temperature

5542 K

Light Quality

CRI: 86.0

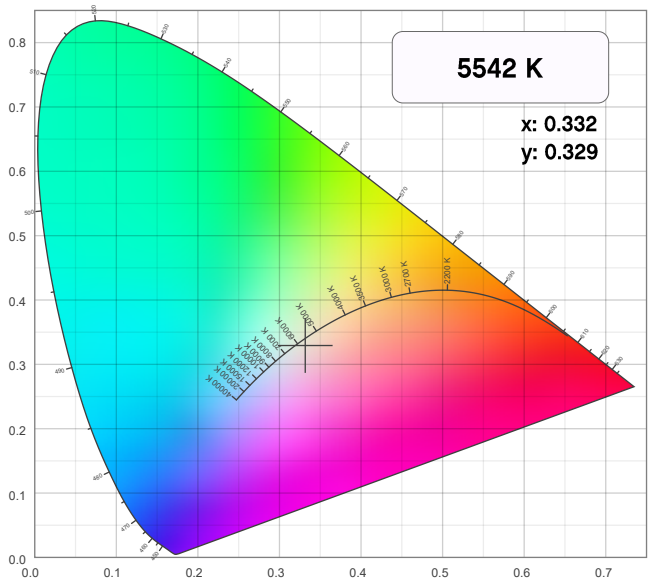
Notes:

Chromaticity Report

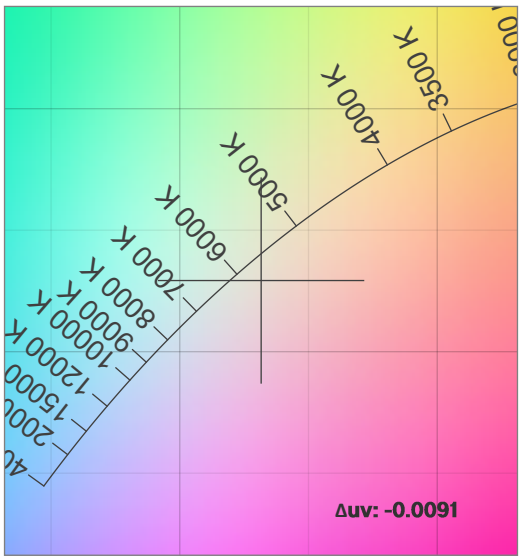
Well STX 360 : 5600K

Chromaticity

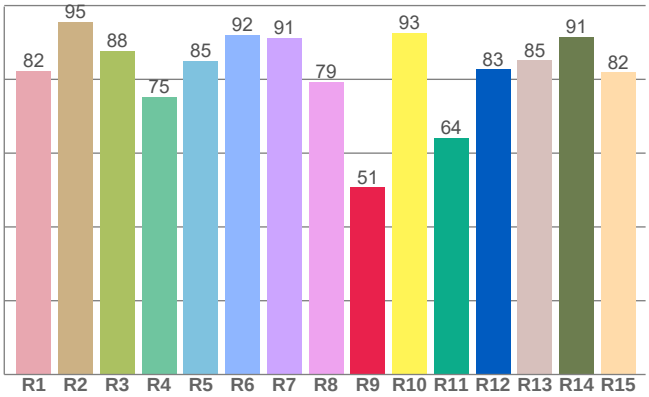
CIE 1931



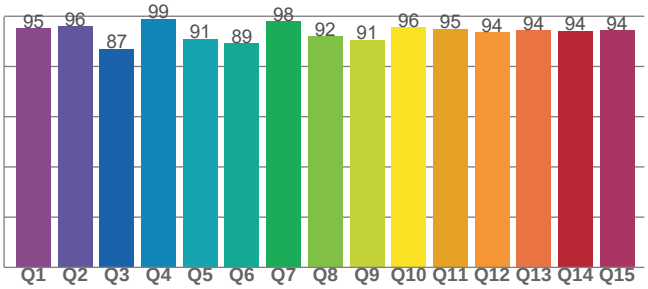
CIE 1931 - Zoom



CRI: 86.0 (R1-R8)



CQS: 92.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5542 K	0.332	0.329

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0091	0.329	0.211

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
86.0	50.7	92.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
86	88.2	110.1

Chromaticity Report

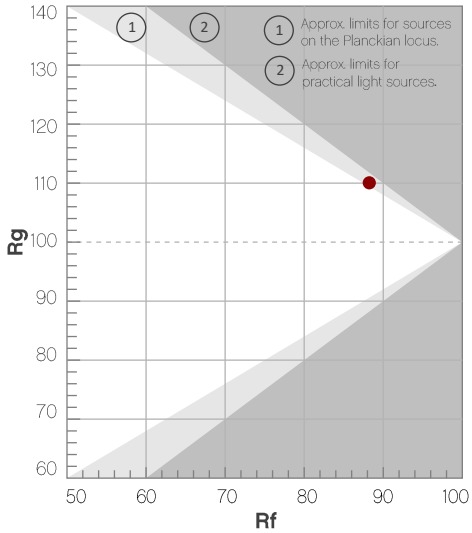
Well STX 360 : 5600K

TM-30-18 Details

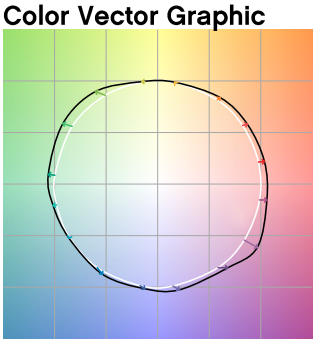
Rf 88.2
Fidelity Index (Rg)

Rg 110.1
Gamut Index (Rg)

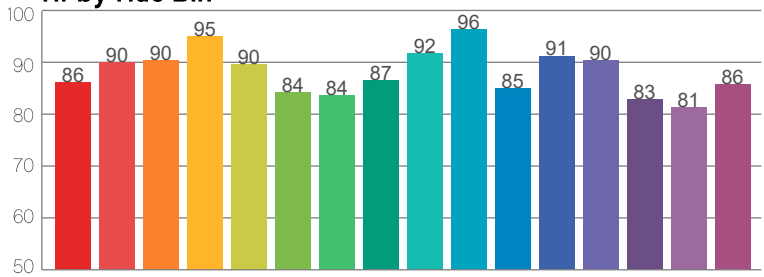
Hue Bin	R_f	Chroma Shift	Hue Shift
1	86	6%	-1%
2	90	5%	-2%
3	90	3%	-1%
4	95	0%	0%
5	90	1%	3%
6	84	8%	6%
7	84	9%	3%
8	87	6%	0%
9	92	4%	0%
10	96	1%	1%
11	85	3%	8%
12	91	2%	5%
13	90	5%	6%
14	83	5%	8%
15	81	14%	1%
16	86	7%	1%



Color Vector Graphic

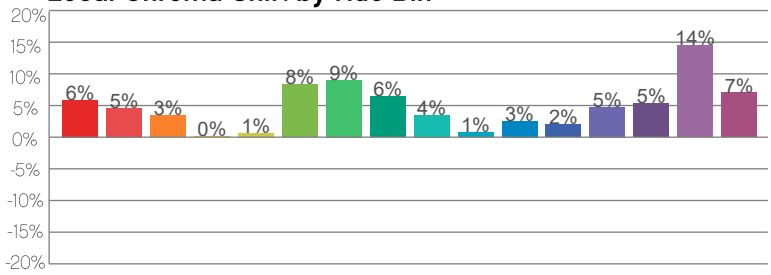


Rf by Hue Bin

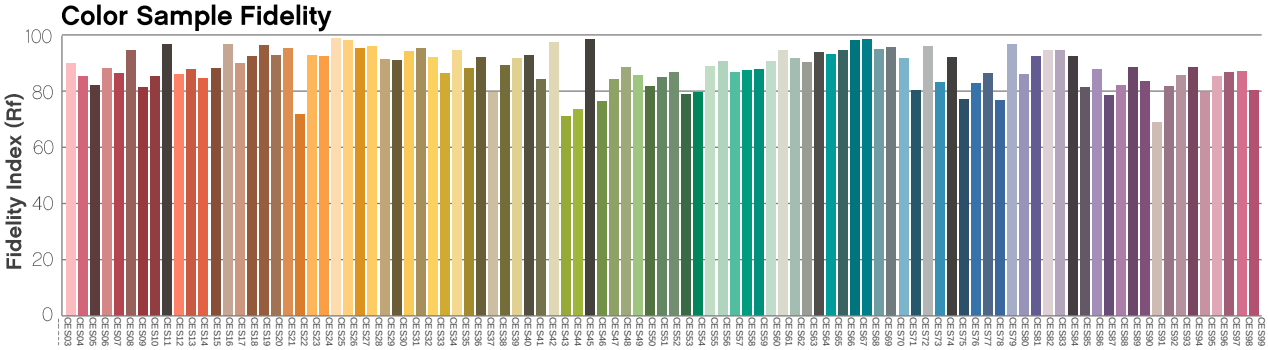


Color Distortion Graphic

Local Chroma Shift by Hue Bin



Color Sample Fidelity



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