

PHOTOMETRICS REPORT

ROGUE R1

BEAM
WASH



CHAUVET
PROFESSIONAL

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Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Rogue R1 BW: Full Flood, Full Power

Report Summary

Output

Total Lumens: 3967 lm
Peak Intensity: 9568 cd
Illuminance @ 5m: 383 lux
Fixture Efficacy: 15 lm/W

Optical

Horizontal Beam Angle (50%): 37.8°
Vertical Beam Angle (50%): 37.8°
Horizontal Field Angle (10%): 57.3°
Vertical Field Angle (10%): 57.3°
Horizontal Cutoff Angle (3%): 67.7°
Vertical Cutoff Angle (3%): 67.7°



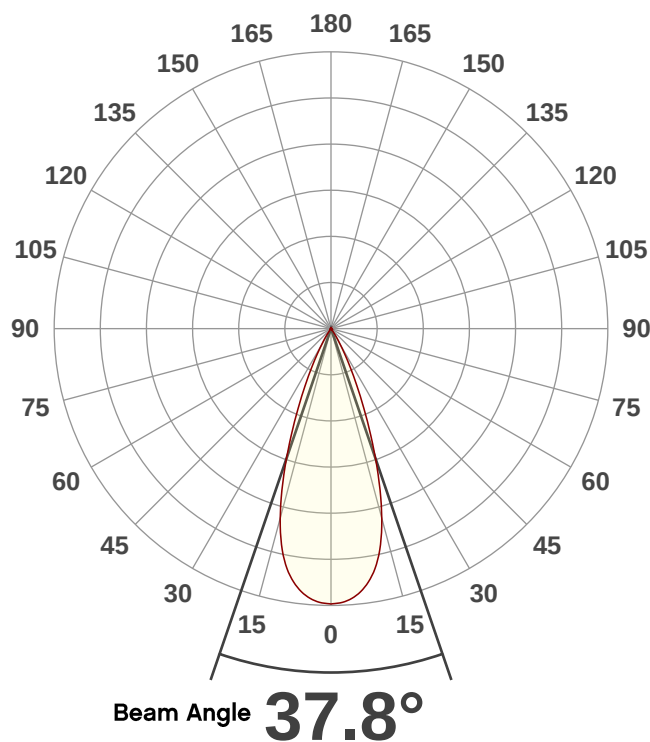
Conditions

AC Supply: 120 V, 60 Hz
Power: 257.87 W
Current: 2.14 A
Power Factor: 0.99

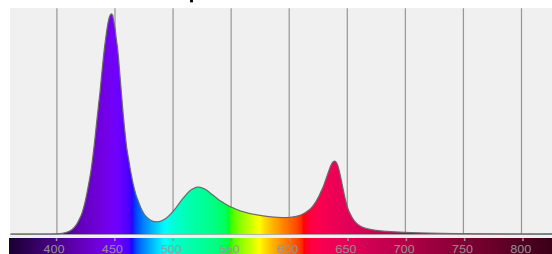
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/25/2019 to LM-63-2002 Standards.

Overall Measurement

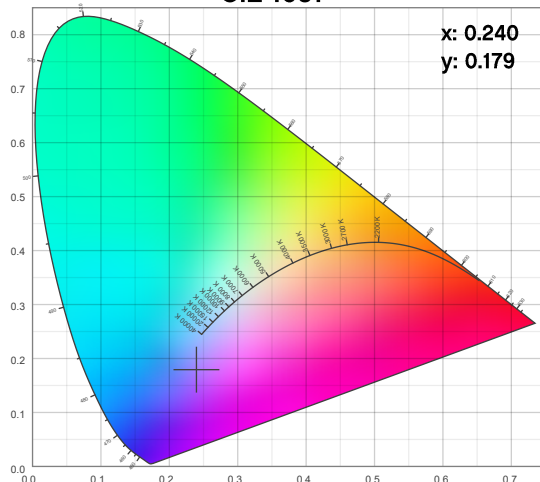
Angular Beam Distribution



Spectral Distribution



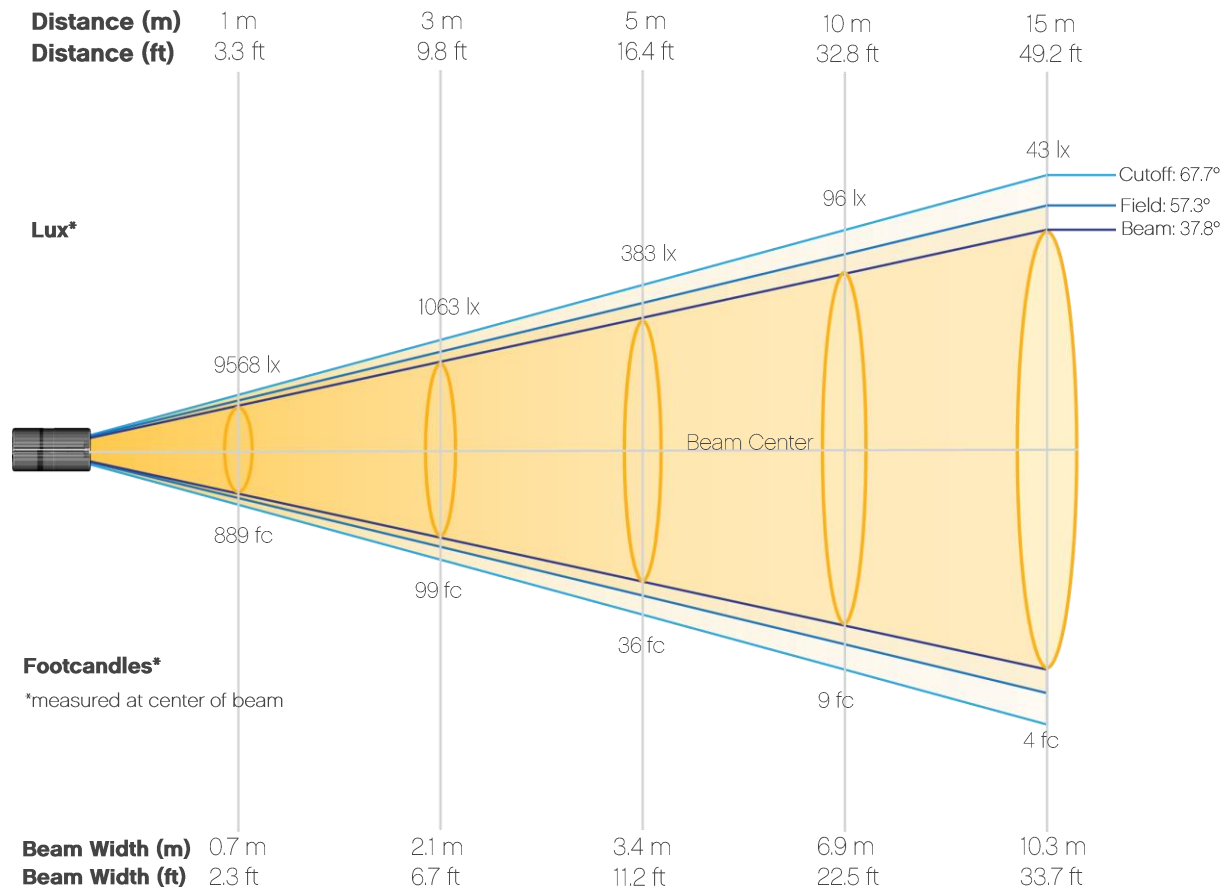
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Full Power

Beam Details



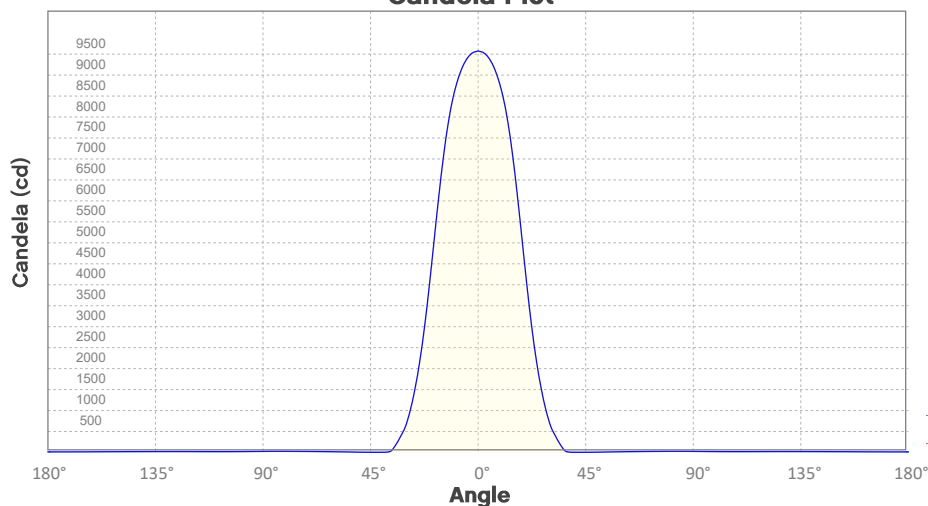
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	9568	2392	1063	598	383	266	195	150	118	96
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	79	66	57	49	43	37	33	30	27	24
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	889	222	99	56	36	25	18	14	11	9
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	7	6	5	5	4	3	3	3	2	2

Photometric Report

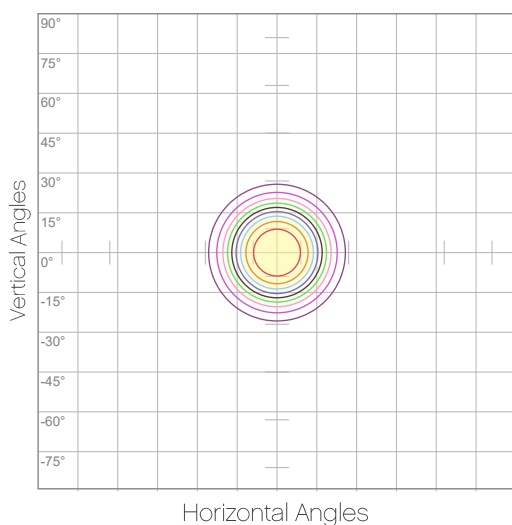
Rogue R1 BW: Full Flood, Full Power

Candela Plot



Beam Angle (50%): 37.8°
Field Angle (10%): 57.3°
Cutoff Angle (3%): 67.7°

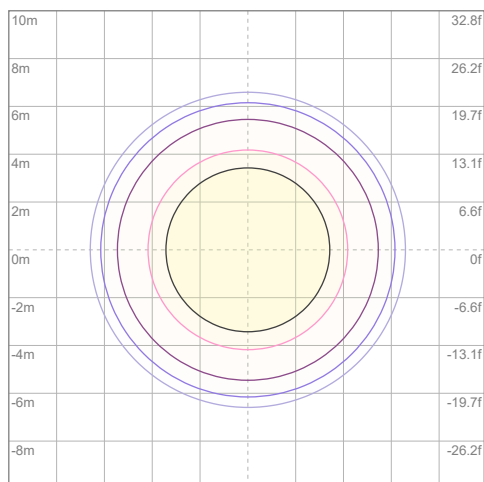
Polar Diagrams



iso-candela Diagram

10%	957 cd
20%	1914 cd
30%	2870 cd
40%	3827 cd
50%	4784 cd
60%	5741 cd
70%	6698 cd
80%	7654 cd
90%	8611 cd

Conditions:
Number of c-planes: 2
Candela at center: 9568 cd



iso-illuminance Diagram

3%	2.87 lx
5%	4.78 lx
10%	9.57 lx
30%	28.7 lx
50%	47.8 lx

Conditions:
Number of c-planes: 2
Lux at center: 95.7 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Red Only

Report Summary

Output

Total Lumens: 727 lm

Peak Intensity: 1799 cd

Illuminance @ 5m: 72 lux

Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 36.9°

Vertical Beam Angle (50%): 36.9°

Horizontal Field Angle (10%): 56.7°

Vertical Field Angle (10%): 56.7°

Horizontal Cutoff Angle (3%): 67.6°

Vertical Cutoff Angle (3%): 67.6°



Conditions

AC Supply: 122 V, 60 Hz

Power: 69.47 W

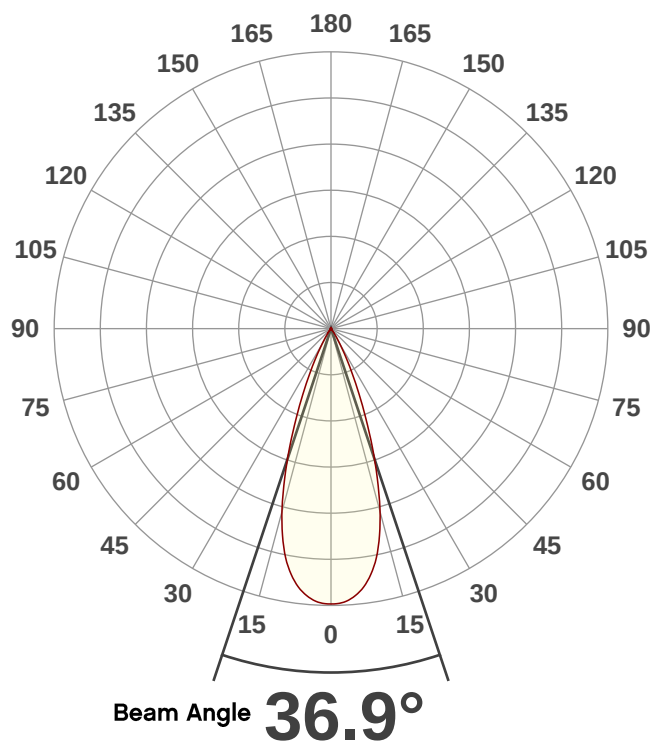
Current: 0.571 A

Power Factor: 0.97

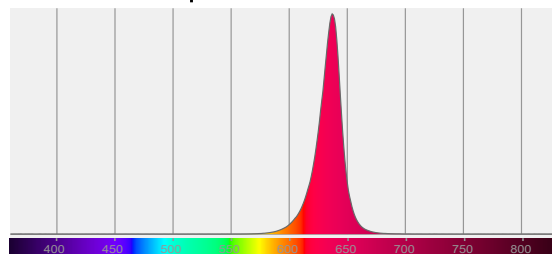
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/25/2019 to LM-63-2002 Standards.

Overall Measurement

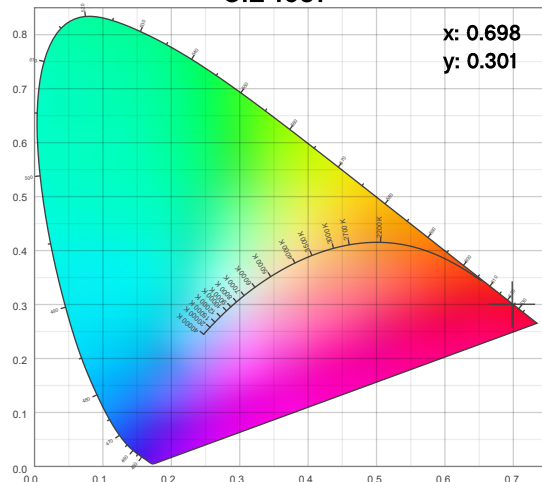
Angular Beam Distribution



Spectral Distribution



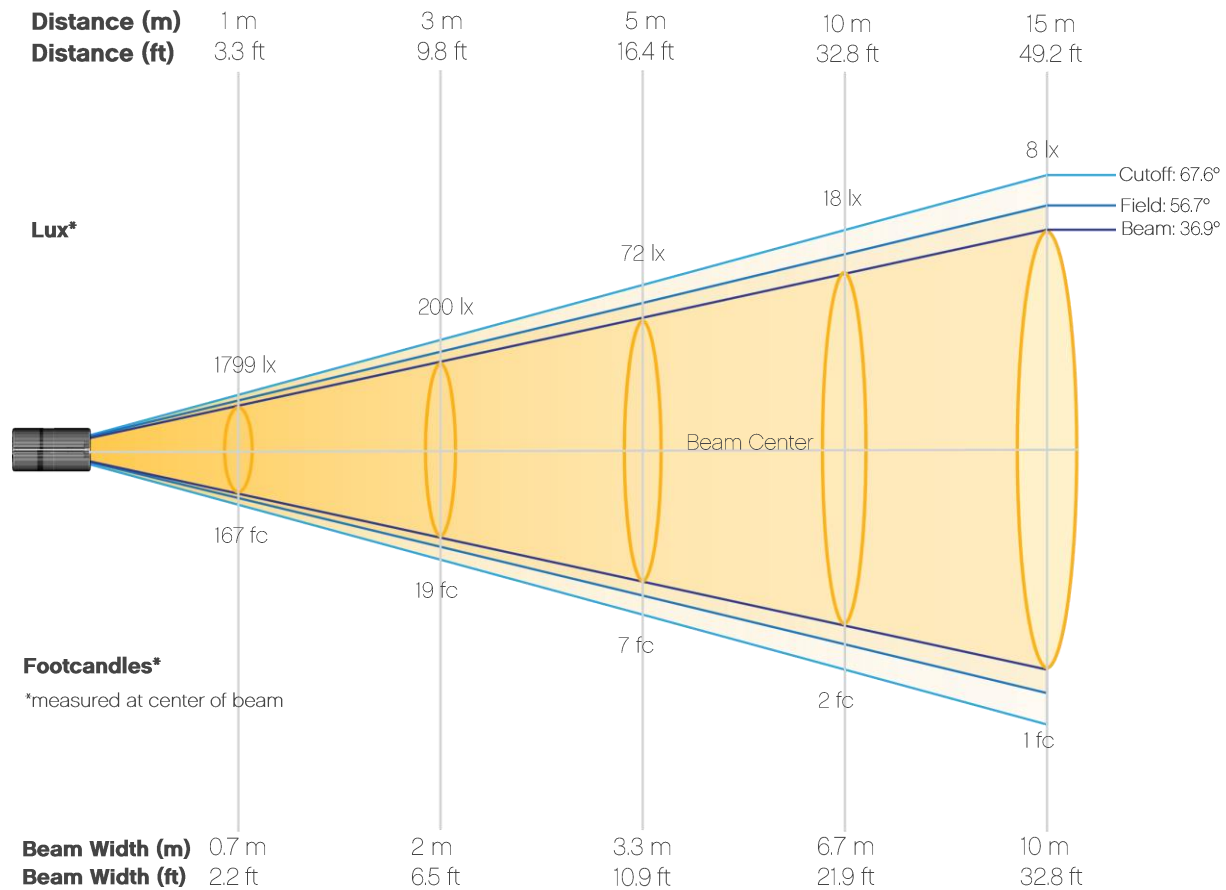
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Red Only

Beam Details



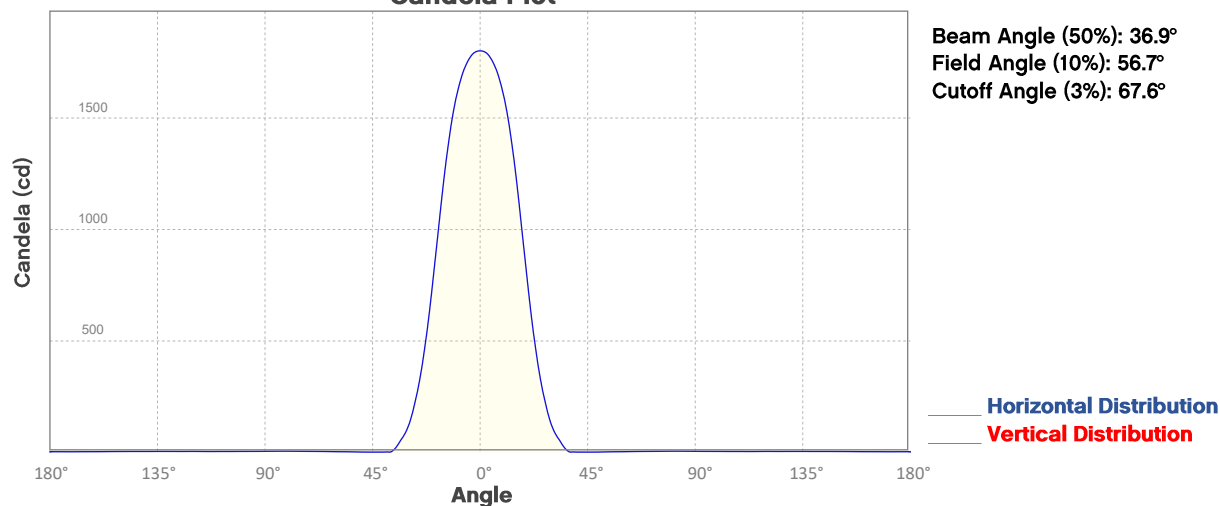
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1799	450	200	112	72	50	37	28	22	18
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	15	12	11	9	8	7	6	6	5	4
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	167	42	19	10	7	5	3	3	2	2
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	1	1	1	1	1	1	0	0

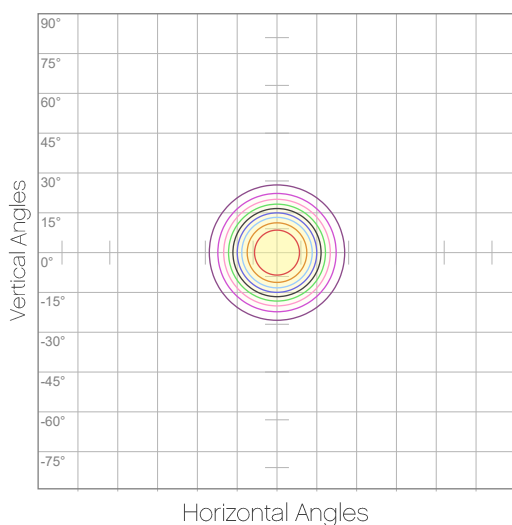
Photometric Report

Rogue R1 BW: Full Flood, Red Only

Candela Plot



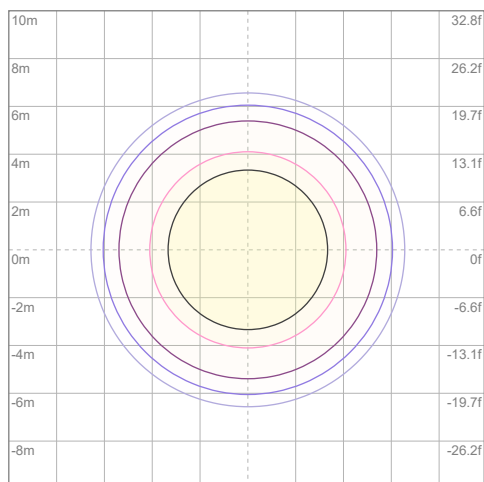
Polar Diagrams



iso-candela Diagram

10%	180 cd
20%	360 cd
30%	540 cd
40%	720 cd
50%	900 cd
60%	1080 cd
70%	1259 cd
80%	1439 cd
90%	1619 cd

Conditions:
Number of c-planes: 2
Candela at center: 1799 cd



iso-illuminance Diagram

3%	0.540 lx
5%	0.900 lx
10%	1.80 lx
30%	5.40 lx
50%	9.00 lx

Conditions:
Number of c-planes: 2
Lux at center: 18.0 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Green Only

Report Summary

Output

Total Lumens: 1300 lm
Peak Intensity: 3235 cd
Illuminance @ 5m: 129 lux
Fixture Efficacy: 14 lm/W

Optical

Horizontal Beam Angle (50%): 37°
Vertical Beam Angle (50%): 37°
Horizontal Field Angle (10%): 56.8°
Vertical Field Angle (10%): 56.8°
Horizontal Cutoff Angle (3%): 67.5°
Vertical Cutoff Angle (3%): 67.5°

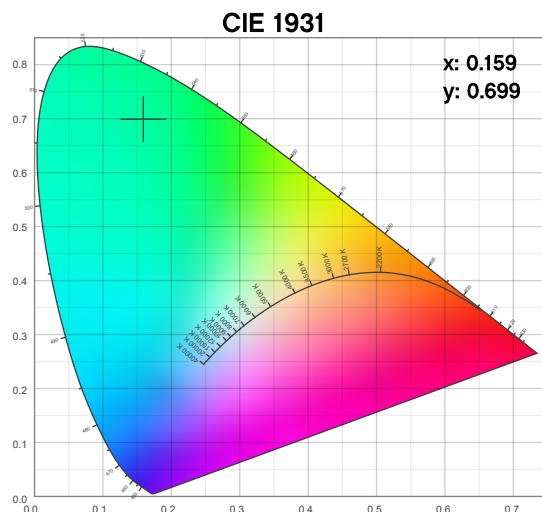
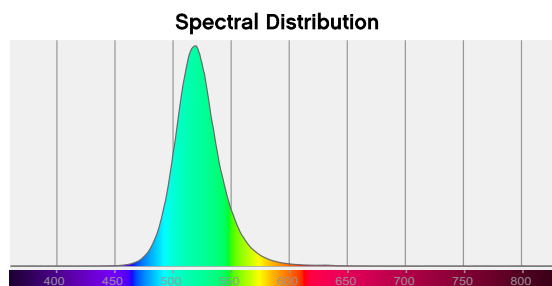
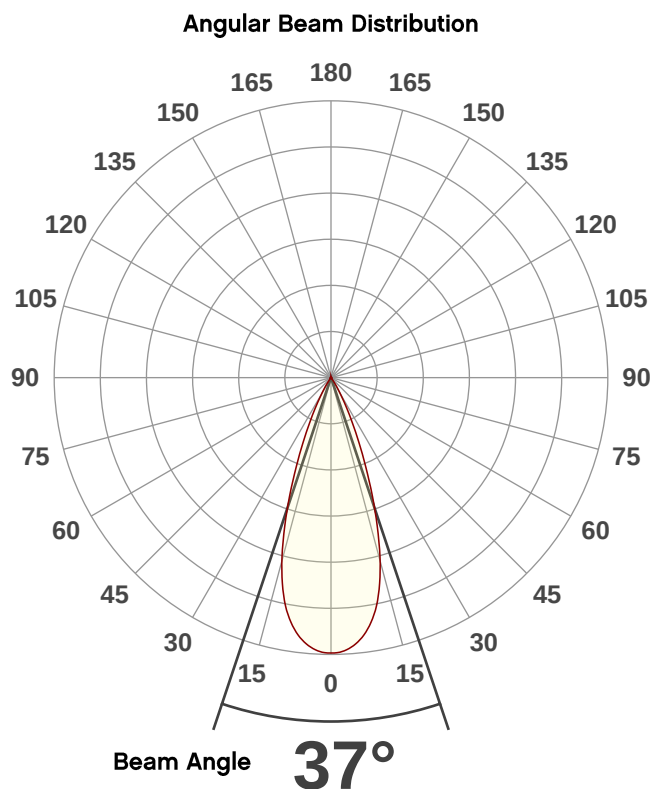


Conditions

AC Supply: 122 V, 60 Hz
Power: 95.93 W
Current: 0.789 A
Power Factor: 0.98

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 10/25/2019 to LM-63-2002 Standards.

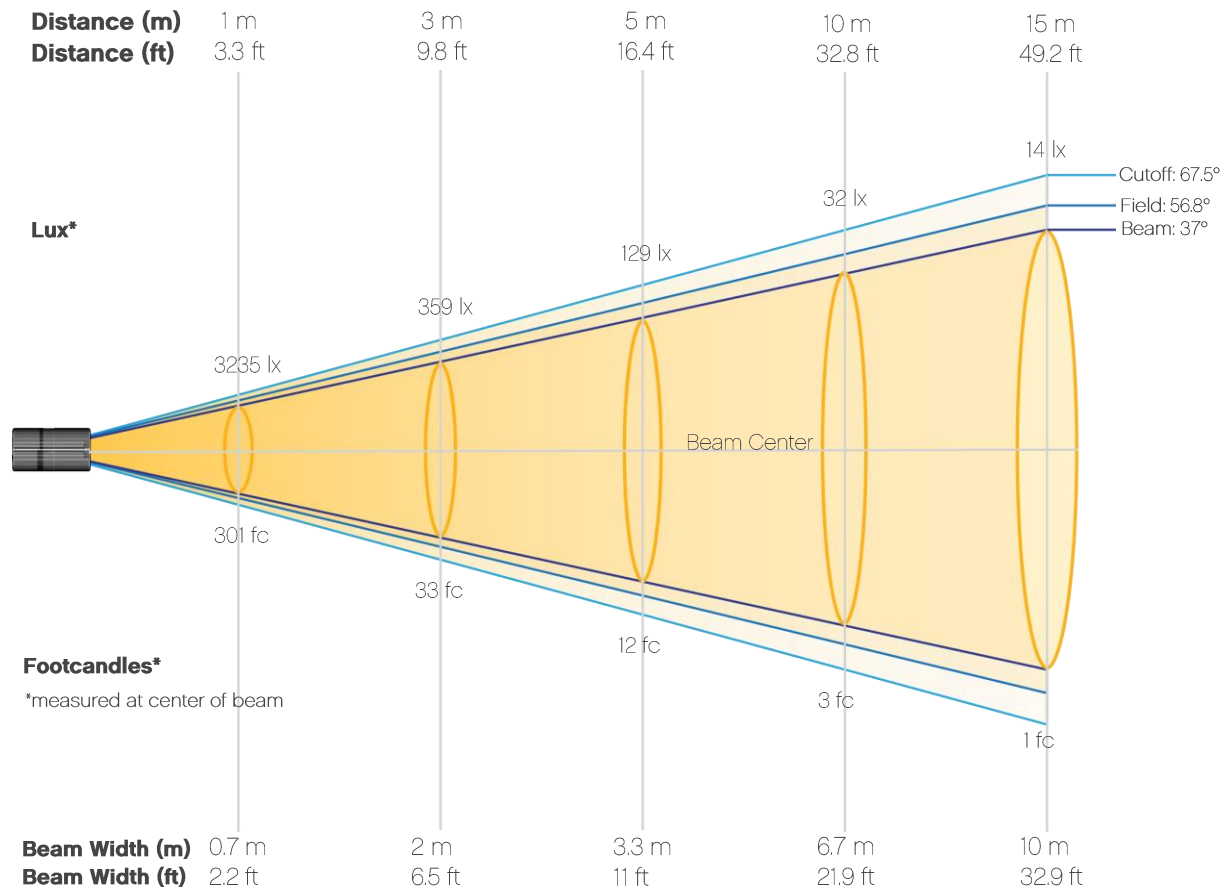
Overall Measurement



Photometric Report

Rogue R1 BW: Full Flood, Green Only

Beam Details



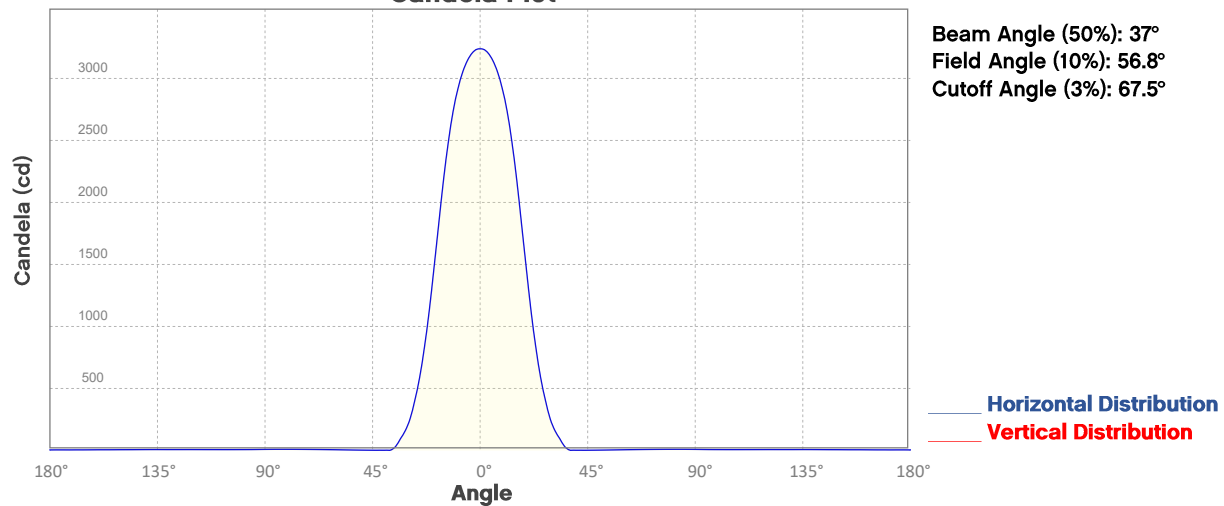
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3235	809	359	202	129	90	66	51	40	32
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	27	22	19	17	14	13	11	10	9	8
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	301	75	33	19	12	8	6	5	4	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2	2	2	2	1	1	1	1	1	1

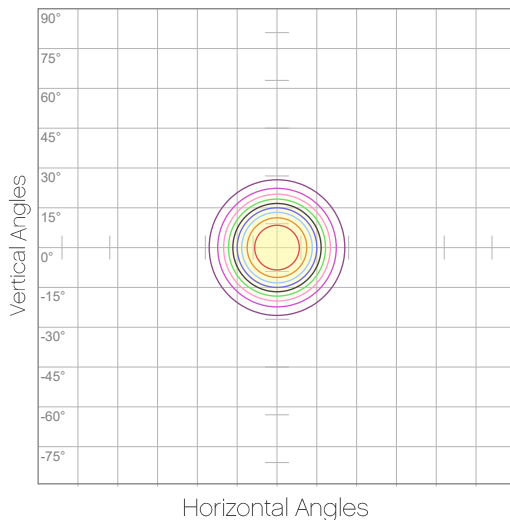
Photometric Report

Rogue R1 BW: Full Flood, Green Only

Candela Plot



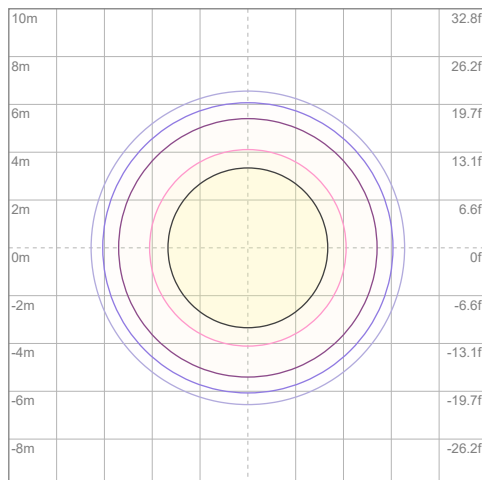
Polar Diagrams



iso-candela Diagram

10%	324 cd
20%	647 cd
30%	971 cd
40%	1294 cd
50%	1618 cd
60%	1941 cd
70%	2265 cd
80%	2588 cd
90%	2912 cd

Conditions:
Number of c-planes: 2
Candela at center: 3235 cd



iso-illuminance Diagram

3%	0.971 lx
5%	1.62 lx
10%	3.24 lx
30%	9.71 lx
50%	16.2 lx

Conditions:
Number of c-planes: 2
Lux at center: 32.4 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Blue Only

Report Summary

Output

Total Lumens: 361 lm

Peak Intensity: 872 cd

Illuminance @ 5m: 35 lux

Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 36.9°

Vertical Beam Angle (50%): 36.9°

Horizontal Field Angle (10%): 56.8°

Vertical Field Angle (10%): 56.8°

Horizontal Cutoff Angle (3%): 67.4°

Vertical Cutoff Angle (3%): 67.4°



Conditions

AC Supply: 122 V, 60.1 Hz

Power: 83.57 W

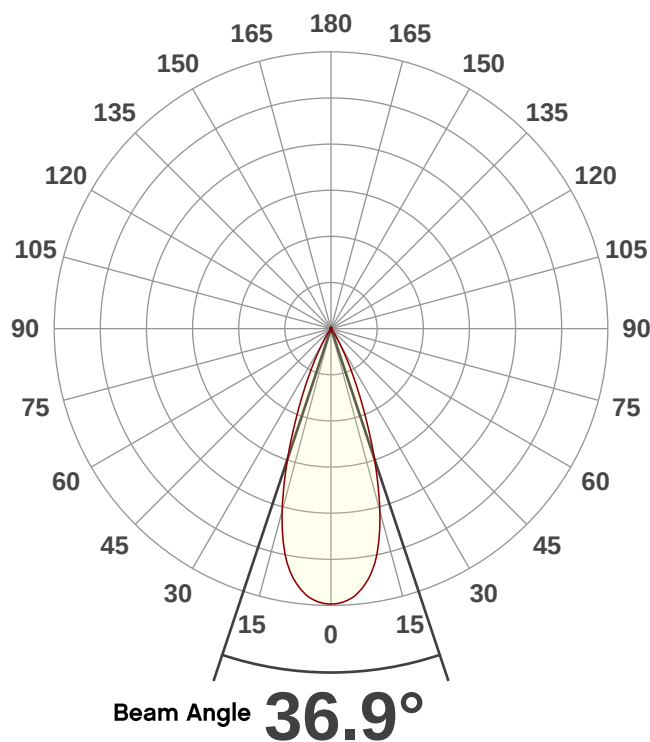
Current: 0.686 A

Power Factor: 0.98

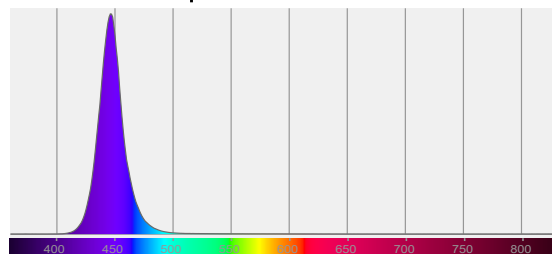
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Overall Measurement

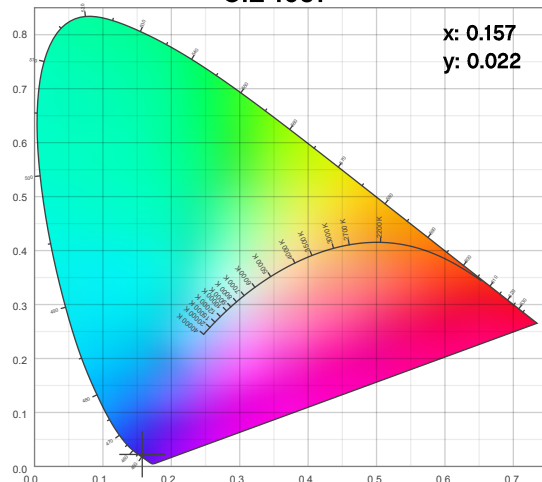
Angular Beam Distribution



Spectral Distribution



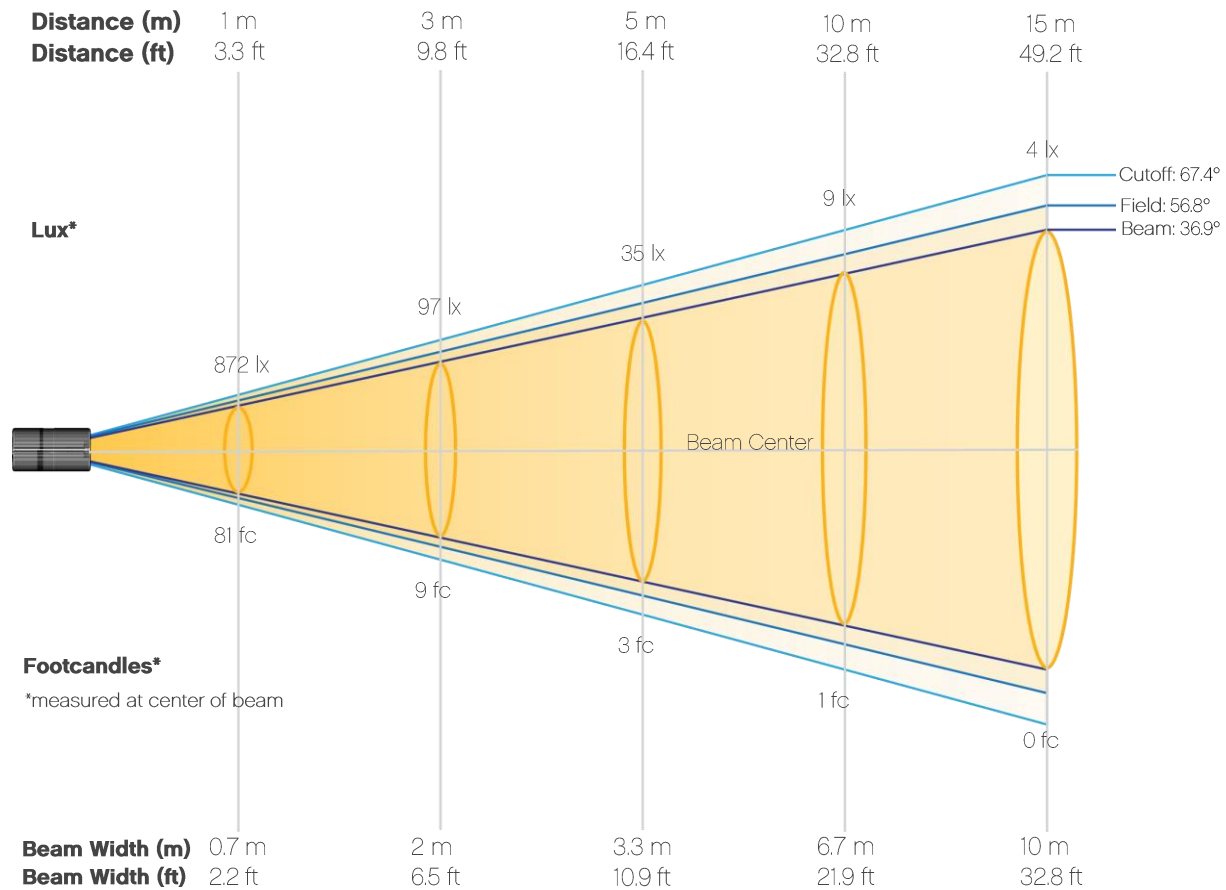
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Blue Only

Beam Details



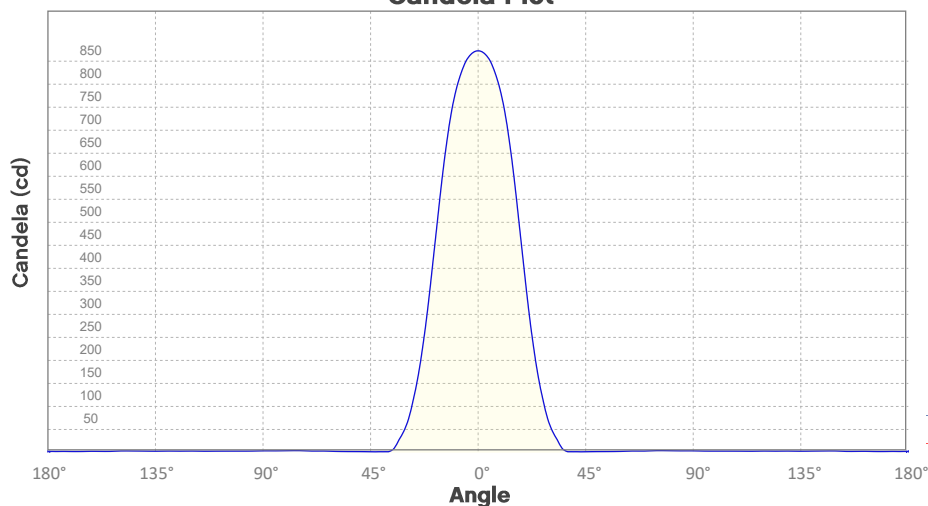
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	872	218	97	54	35	24	18	14	11	9
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	7	6	5	4	4	3	3	3	2	2
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	81	20	9	5	3	2	2	1	1	1
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	0	0	0	0	0	0	0	0

Photometric Report

Rogue R1 BW: Full Flood, Blue Only

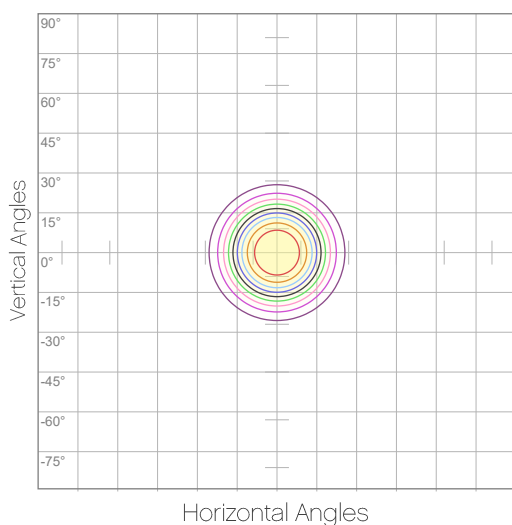
Candela Plot



Beam Angle (50%): 36.9°
Field Angle (10%): 56.8°
Cutoff Angle (3%): 67.4°

— Horizontal Distribution
— Vertical Distribution

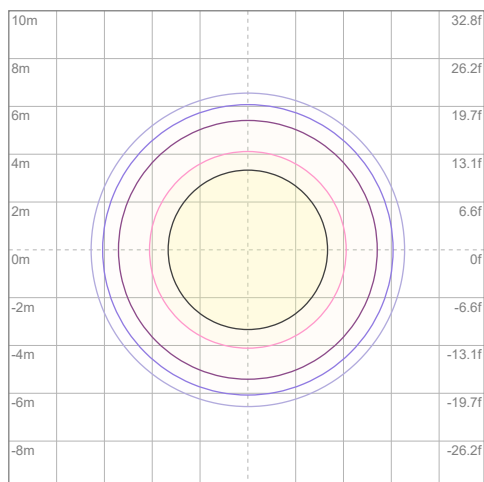
Polar Diagrams



iso-candela Diagram

10%	87 cd
20%	174 cd
30%	261 cd
40%	349 cd
50%	436 cd
60%	523 cd
70%	610 cd
80%	697 cd
90%	784 cd

Conditions:
Number of c-planes: 2
Candela at center: 872 cd



iso-illuminance Diagram

3%	0.261 lx
5%	0.436 lx
10%	0.872 lx
30%	2.61 lx
50%	4.36 lx

Conditions:
Number of c-planes: 2
Lux at center: 8.72 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, White Only

Report Summary

Output

Total Lumens: 2003 lm
Peak Intensity: 4634 cd
Illuminance @ 5m: 185 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 38.9°
Vertical Beam Angle (50%): 38.9°
Horizontal Field Angle (10%): 58.1°
Vertical Field Angle (10%): 58.1°
Horizontal Cutoff Angle (3%): 68.1°
Vertical Cutoff Angle (3%): 68.1°



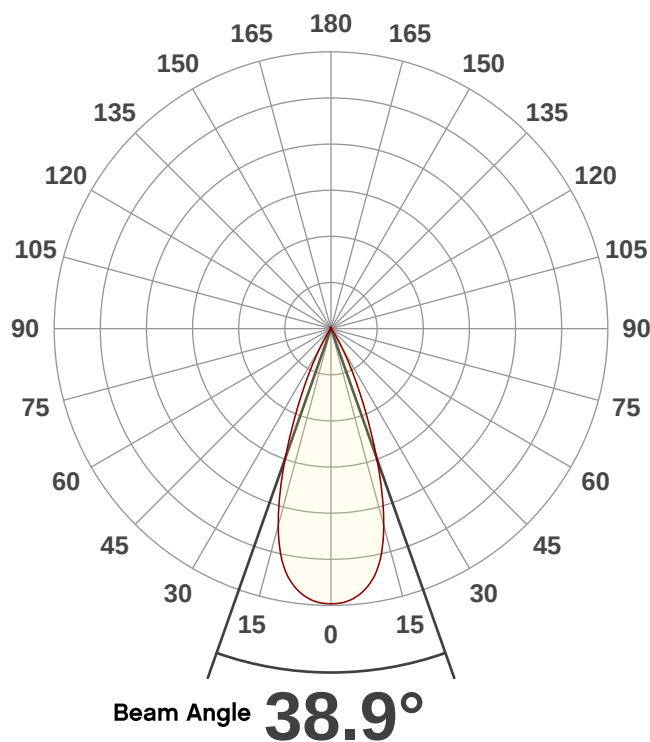
Conditions

AC Supply: 122 V, 60 Hz
Power: 81.81 W
Current: 0.672 A
Power Factor: 0.98

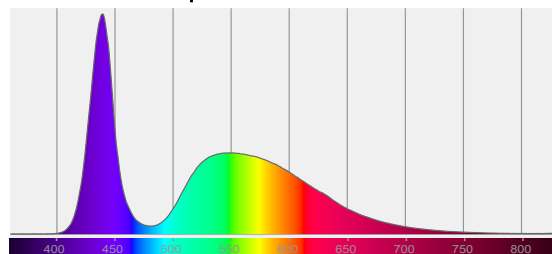
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Overall Measurement

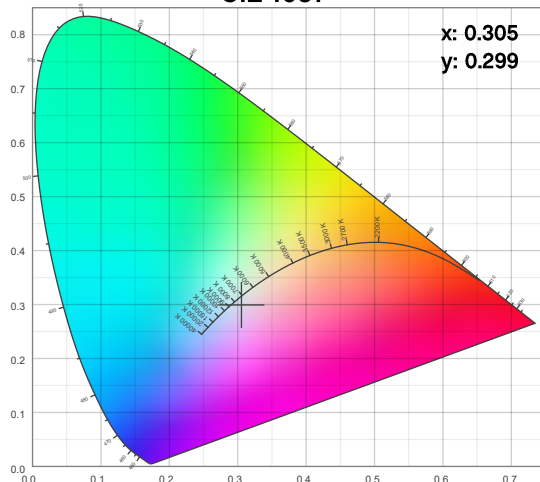
Angular Beam Distribution



Spectral Distribution



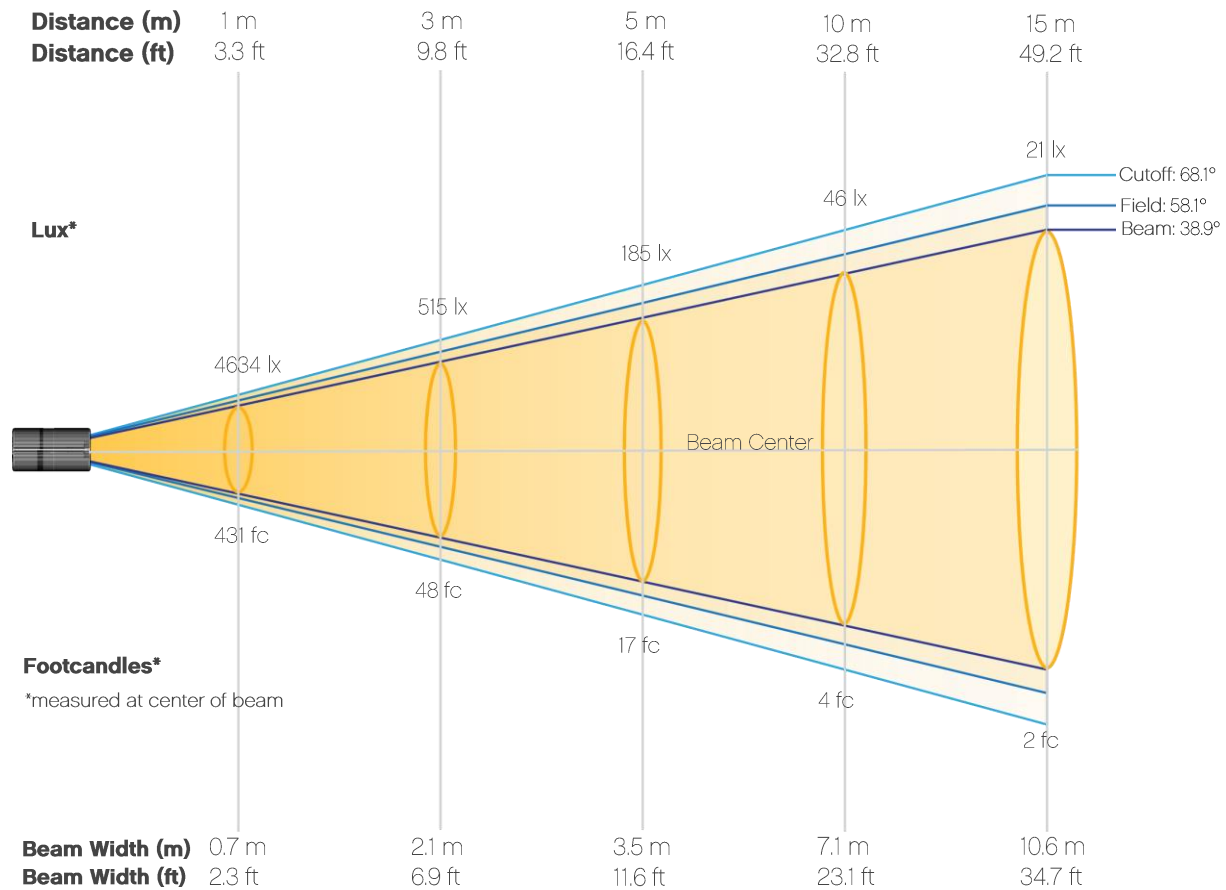
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, White Only

Beam Details



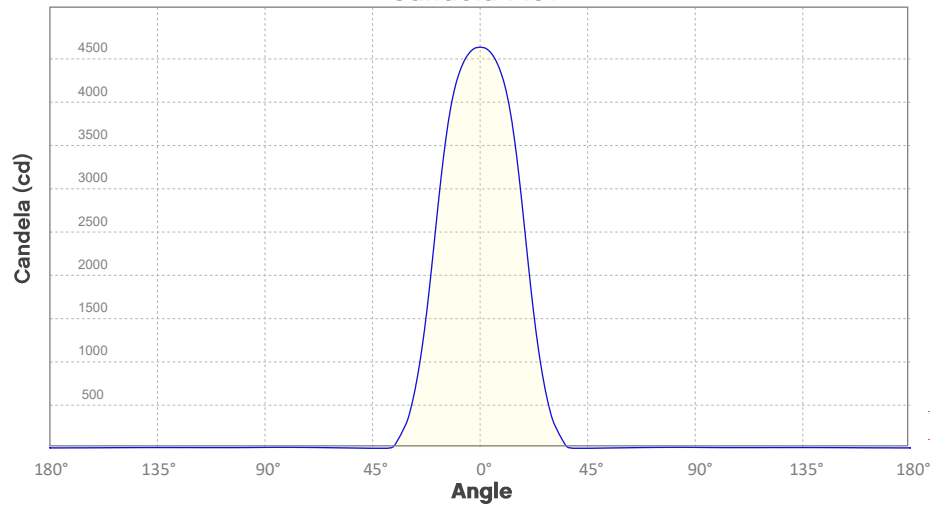
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4634	1159	515	290	185	129	95	72	57	46
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	38	32	27	24	21	18	16	14	13	12
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	431	108	48	27	17	12	9	7	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	4	3	3	2	2	2	1	1	1	1

Photometric Report

Rogue R1 BW: Full Flood, White Only

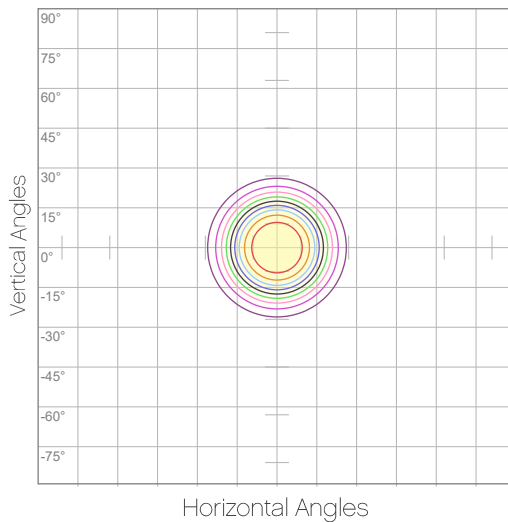
Candela Plot



Beam Angle (50%): 38.9°
Field Angle (10%): 58.1°
Cutoff Angle (3%): 68.1°

— Horizontal Distribution
— Vertical Distribution

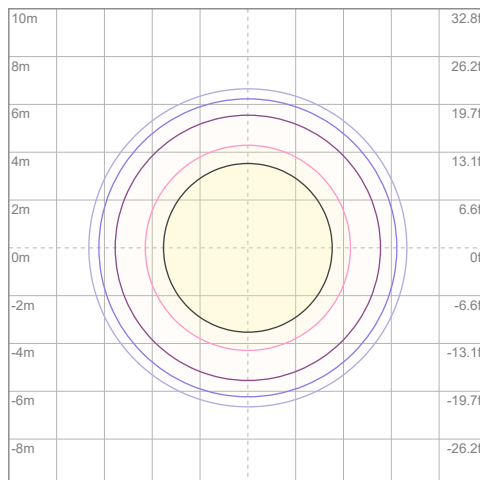
Polar Diagrams



iso-candela Diagram

10%	463 cd
20%	927 cd
30%	1390 cd
40%	1854 cd
50%	2317 cd
60%	2781 cd
70%	3244 cd
80%	3708 cd
90%	4171 cd

Conditions:
Number of c-planes: 2
Candela at center: 4634 cd



iso-illuminance Diagram

3%	1.39 lx
5%	2.32 lx
10%	4.63 lx
30%	13.9 lx
50%	23.2 lx

Conditions:
Number of c-planes: 2
Lux at center: 46.3 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, 7500K

Report Summary

Output

Total Lumens: 3785 lm
Peak Intensity: 9092 cd
Illuminance @ 5m: 364 lux
Fixture Efficacy: 18 lm/W

Optical

Horizontal Beam Angle (50%): 37.9°
Vertical Beam Angle (50%): 37.9°
Horizontal Field Angle (10%): 57.2°
Vertical Field Angle (10%): 57.2°
Horizontal Cutoff Angle (3%): 67.8°
Vertical Cutoff Angle (3%): 67.8°



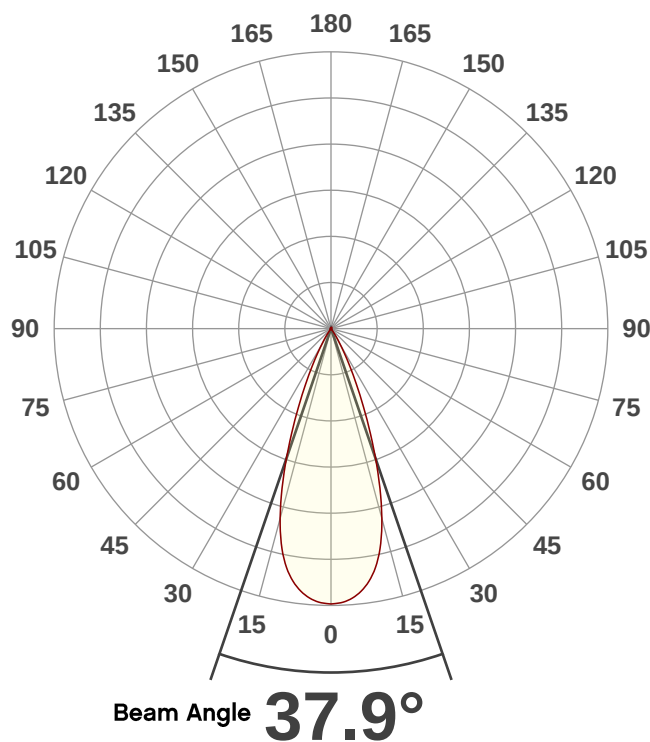
Conditions

AC Supply: 120 V, 60 Hz
Power: 209.03 W
Current: 1.74 A
Power Factor: 1.0

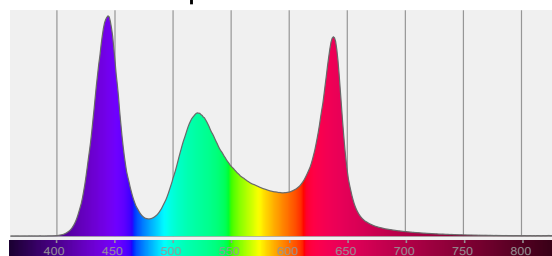
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Overall Measurement

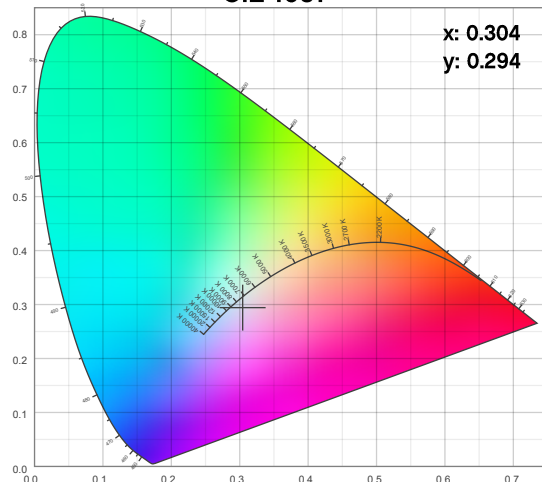
Angular Beam Distribution



Spectral Distribution



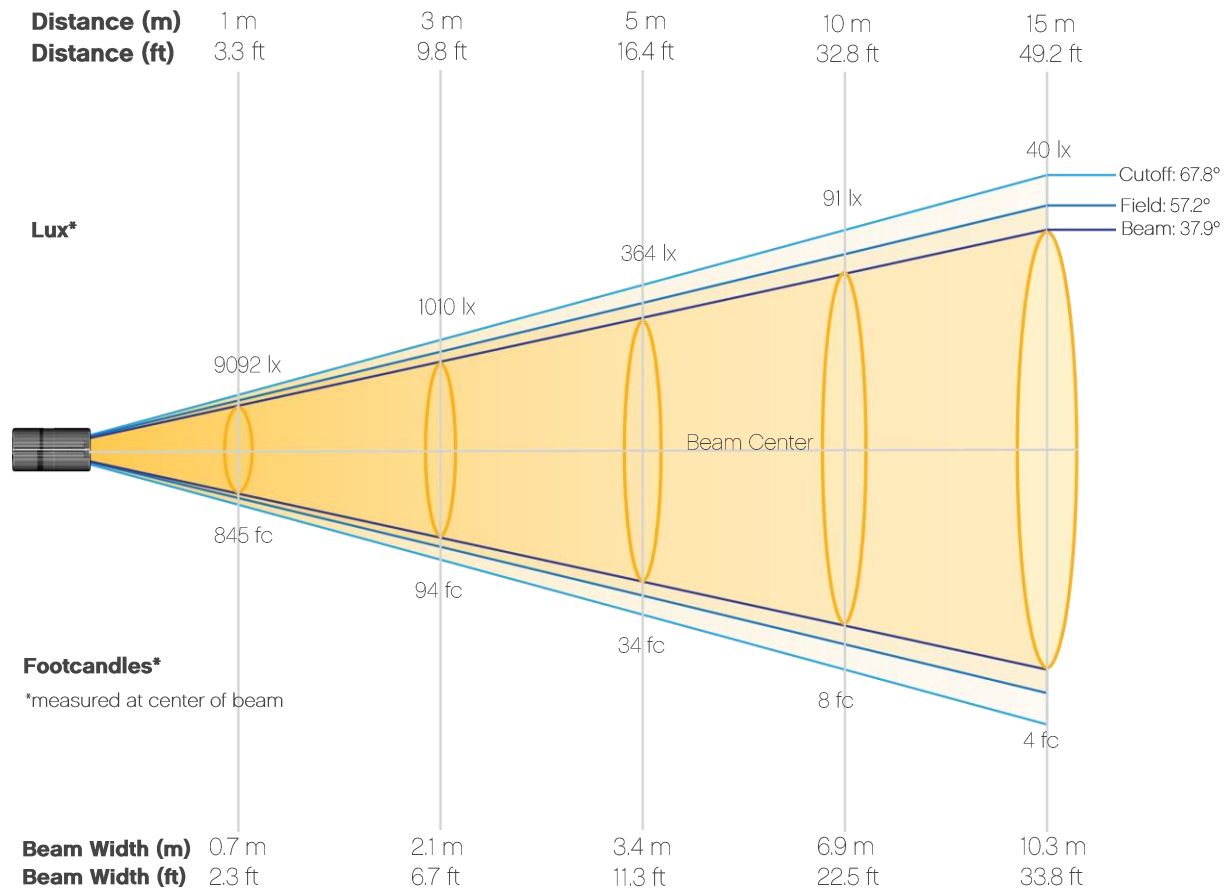
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, 7500K

Beam Details



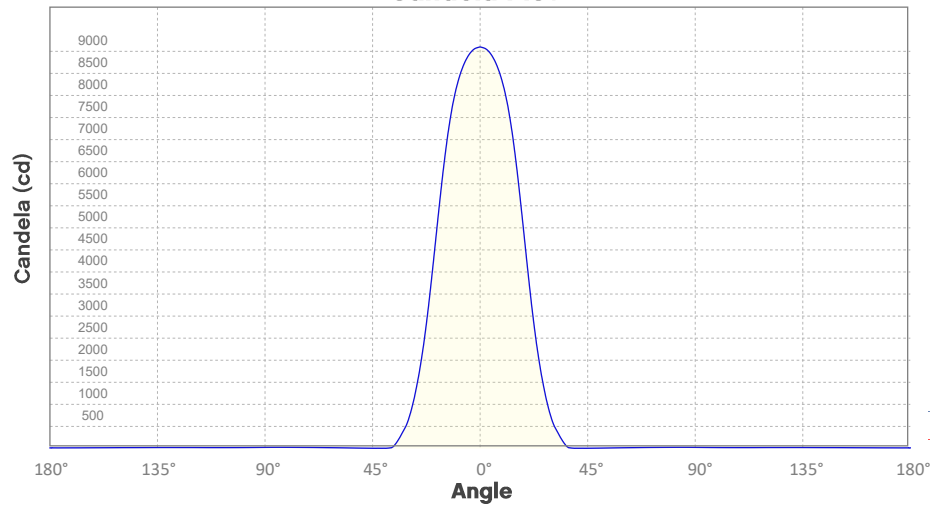
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	9092	2273	1010	568	364	253	186	142	112	91
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	75	63	54	46	40	36	31	28	25	23
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	845	211	94	53	34	23	17	13	10	8
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	7	6	5	4	4	3	3	3	2	2

Photometric Report

Rogue R1 BW: Full Flood, 7500K

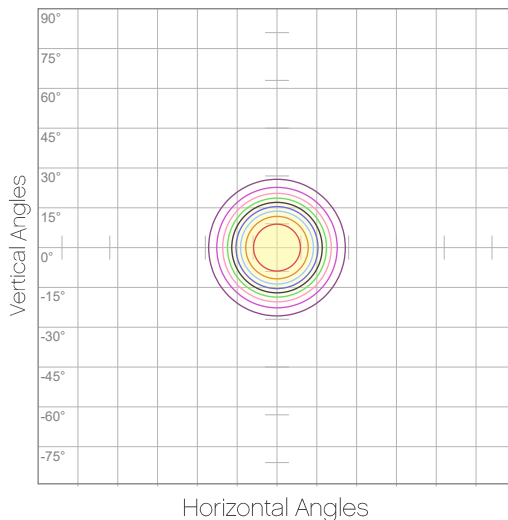
Candela Plot



Beam Angle (50%): 37.9°
Field Angle (10%): 57.2°
Cutoff Angle (3%): 67.8°

— Horizontal Distribution
— Vertical Distribution

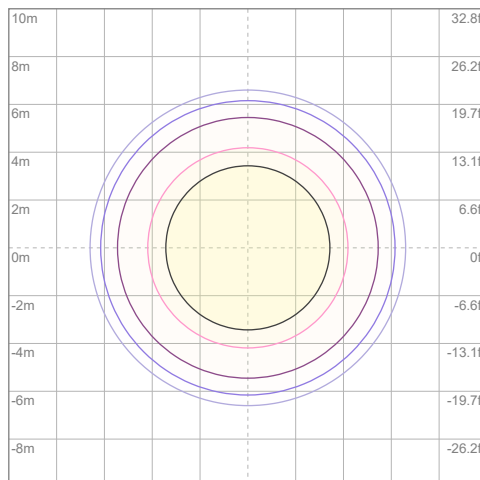
Polar Diagrams



iso-candela Diagram

10%	909 cd
20%	1818 cd
30%	2728 cd
40%	3637 cd
50%	4546 cd
60%	5455 cd
70%	6364 cd
80%	7274 cd
90%	8183 cd

Conditions:
Number of c-planes: 2
Candela at center: 9092 cd



iso-illuminance Diagram

3%	2.73 lx
5%	4.55 lx
10%	9.09 lx
30%	27.3 lx
50%	45.5 lx

Conditions:
Number of c-planes: 2
Lux at center: 90.9 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Full Power

Report Summary

Output

Total Lumens: 2990 lm
Peak Intensity: 35849 cd
Illuminance @ 5m: 1434 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 17.5°
Vertical Beam Angle (50%): 17.5°
Horizontal Field Angle (10%): 23.7°
Vertical Field Angle (10%): 23.7°
Horizontal Cutoff Angle (3%): 26.4°
Vertical Cutoff Angle (3%): 26.4°



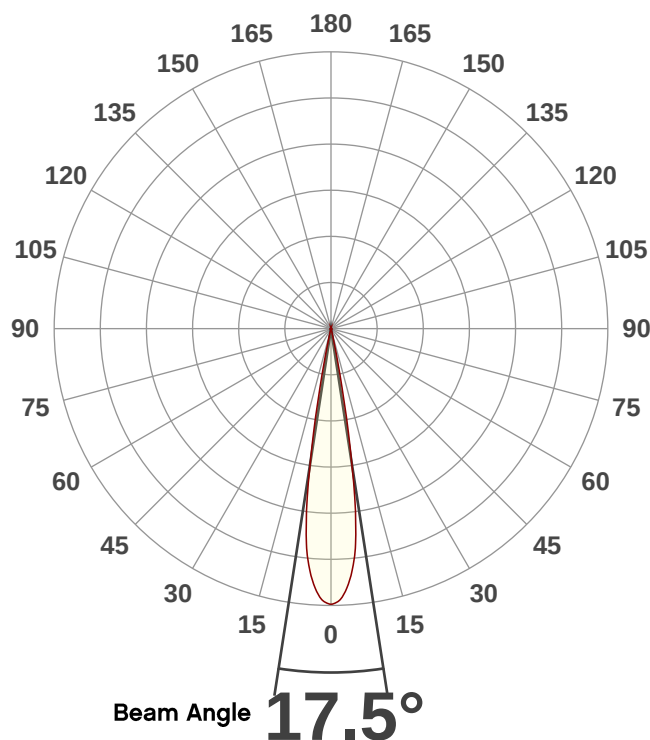
Conditions

AC Supply: 120 V, 60 Hz
Power: 258.53 W
Current: 2.15 A
Power Factor: 0.99

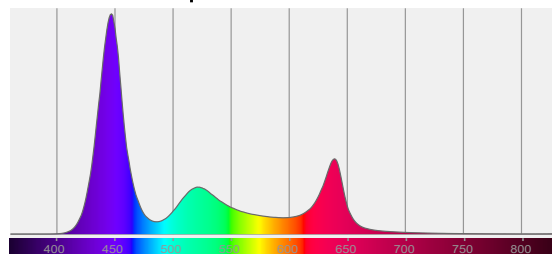
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Overall Measurement

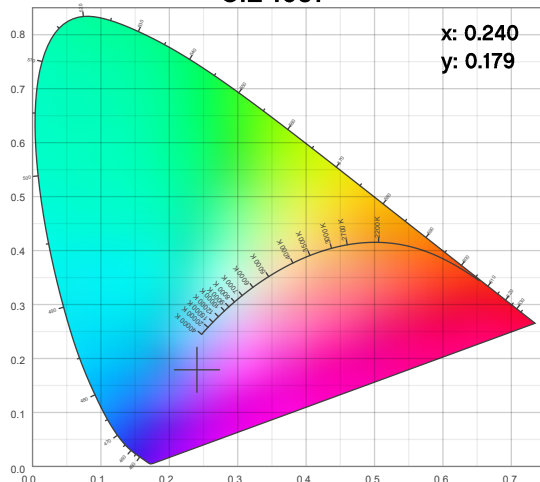
Angular Beam Distribution



Spectral Distribution



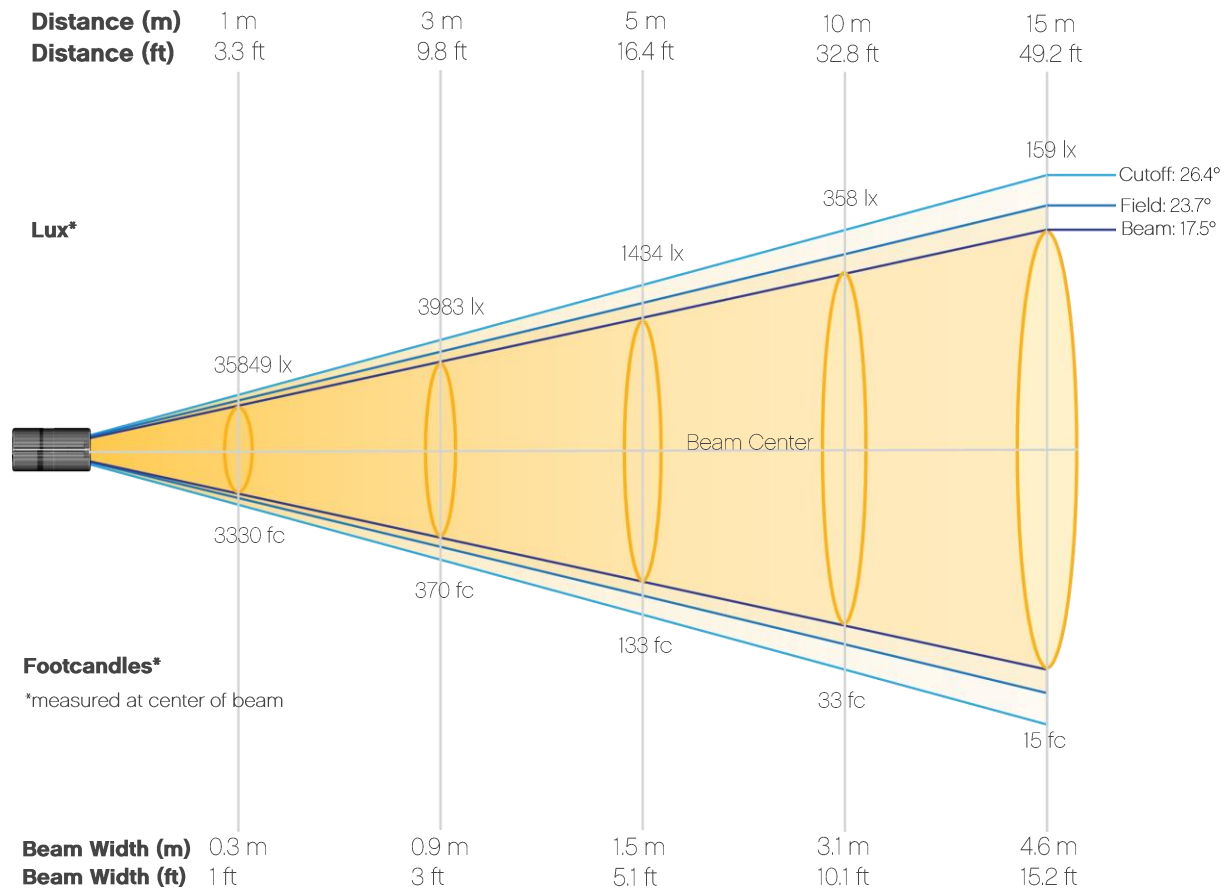
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Full Power

Beam Details



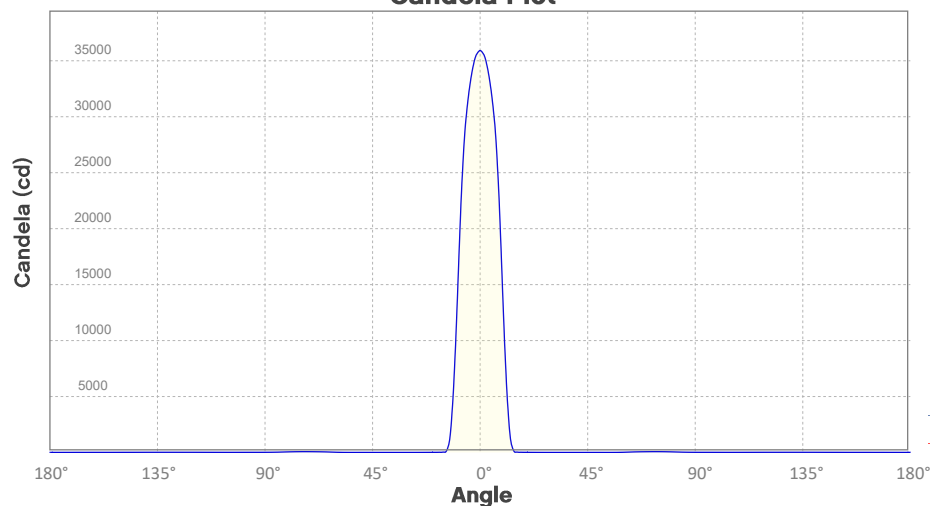
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	35849	8962	3983	2241	1434	996	732	560	443	358
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	296	249	212	183	159	140	124	111	99	90
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3330	833	370	208	133	93	68	52	41	33
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	28	23	20	17	15	13	12	10	9	8

Photometric Report

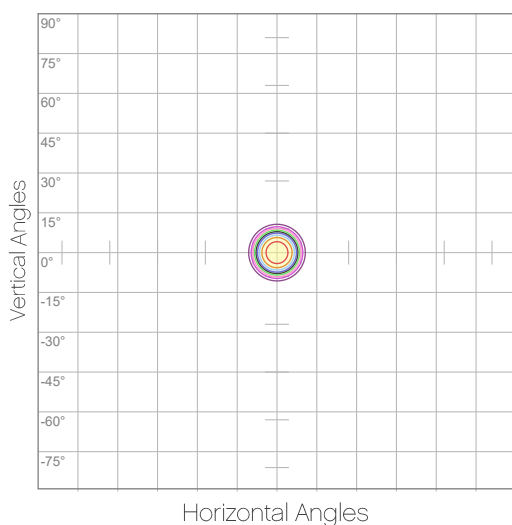
Rogue R1 BW: 50% Zoom, Full Power

Candela Plot



Beam Angle (50%): 17.5°
Field Angle (10%): 23.7°
Cutoff Angle (3%): 26.4°

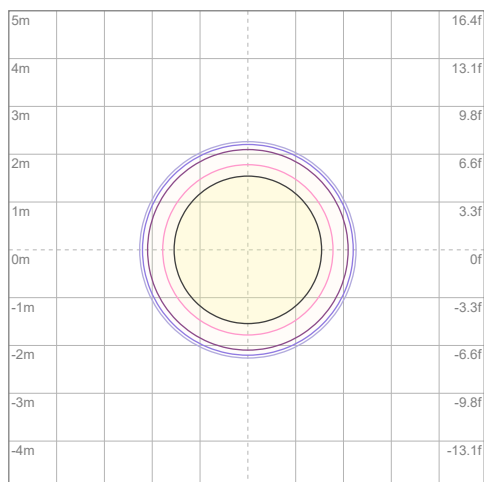
Polar Diagrams



iso-candela Diagram

10%	3585 cd
20%	7170 cd
30%	10755 cd
40%	14339 cd
50%	17924 cd
60%	21509 cd
70%	25094 cd
80%	28679 cd
90%	32264 cd

Conditions:
Number of c-planes: 2
Candela at center: 35849 cd



iso-illuminance Diagram

3%	10.8 lx
5%	17.9 lx
10%	35.8 lx
30%	108 lx
50%	179 lx

Conditions:
Number of c-planes: 2
Lux at center: 358 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Red Only

Report Summary

Output

Total Lumens: 654 lm

Peak Intensity: 7501 cd

Illuminance @ 5m: 300 lux

Fixture Efficacy: 9 lm/W

Optical

Horizontal Beam Angle (50%): 17.5°

Vertical Beam Angle (50%): 17.5°

Horizontal Field Angle (10%): 23.8°

Vertical Field Angle (10%): 23.8°

Horizontal Cutoff Angle (3%): 26.7°

Vertical Cutoff Angle (3%): 26.7°



Conditions

AC Supply: 121 V, 60 Hz

Power: 72.07 W

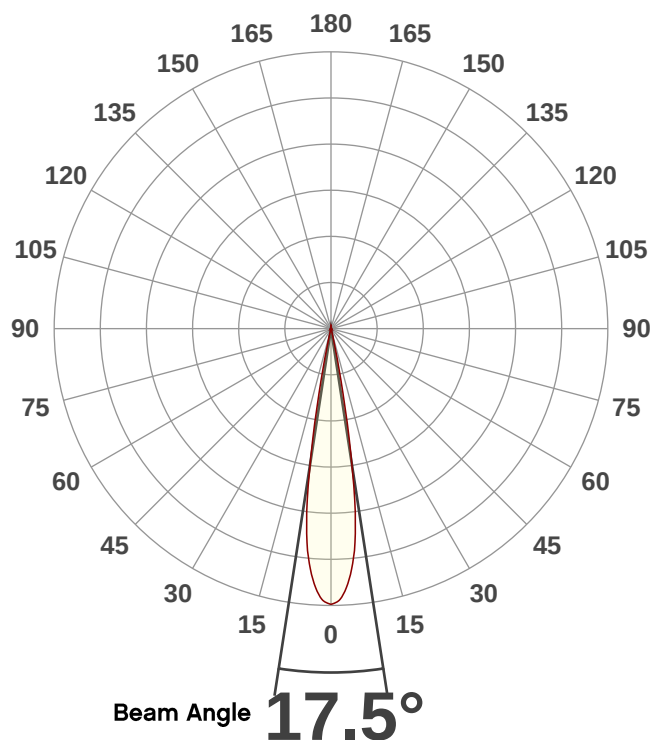
Current: 0.595 A

Power Factor: 0.97

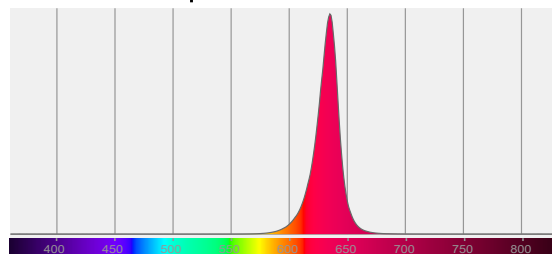
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Overall Measurement

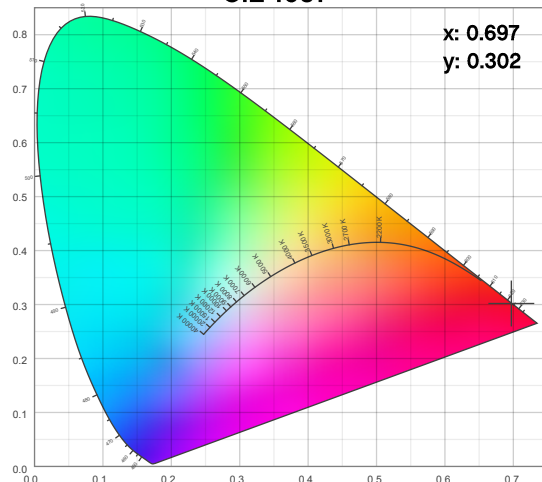
Angular Beam Distribution



Spectral Distribution



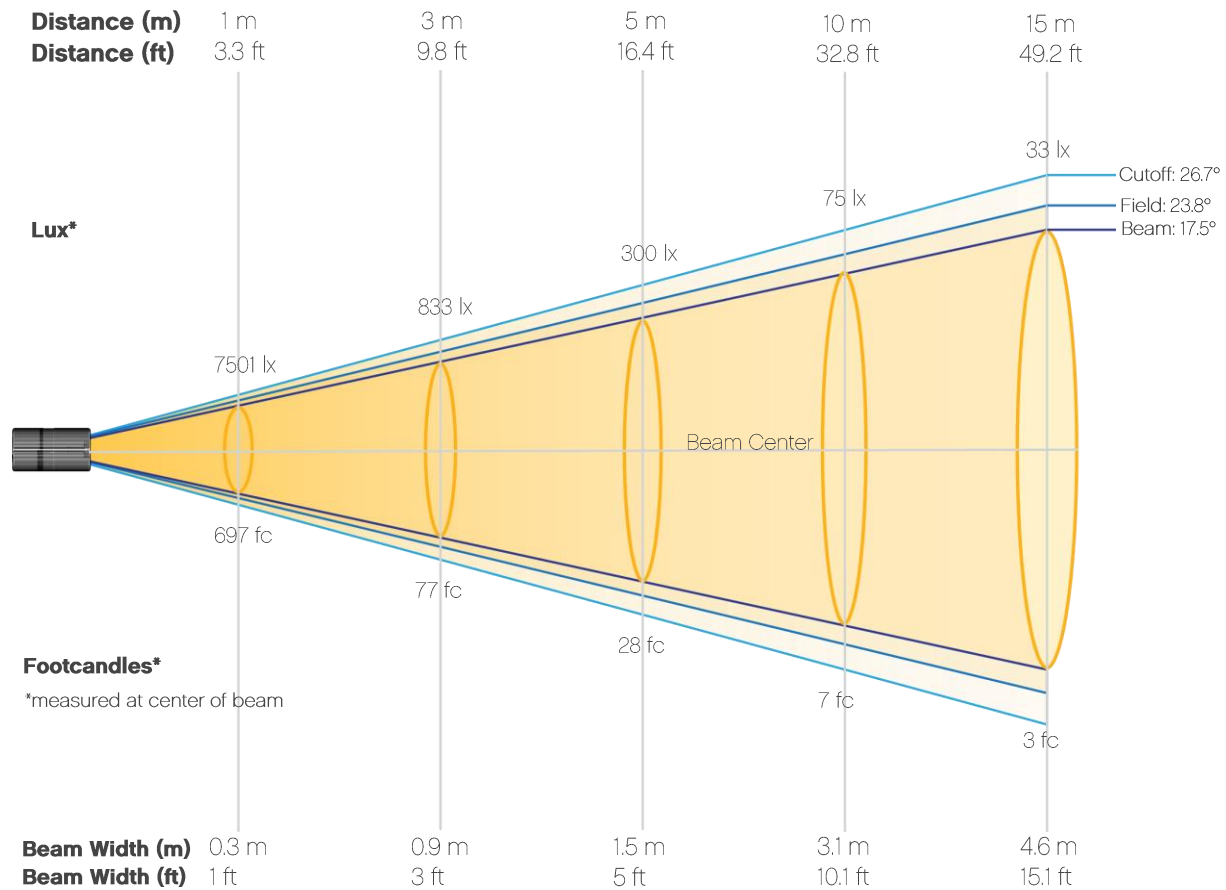
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Red Only

Beam Details



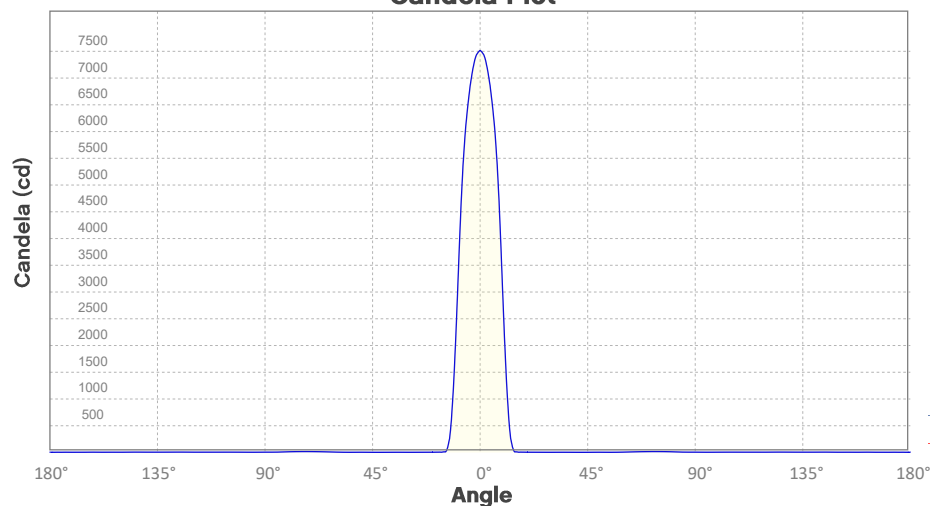
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7501	1875	833	469	300	208	153	117	93	75
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	62	52	44	38	33	29	26	23	21	19
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	697	174	77	44	28	19	14	11	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	2	2	2	2

Photometric Report

Rogue R1 BW: 50% Zoom, Red Only

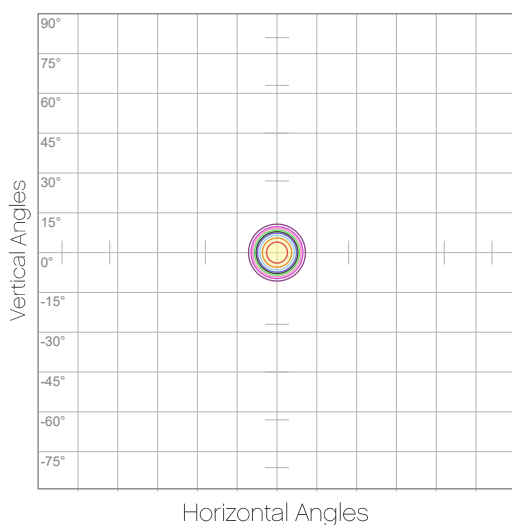
Candela Plot



Beam Angle (50%): 17.5°
Field Angle (10%): 23.8°
Cutoff Angle (3%): 26.7°

Horizontal Distribution
Vertical Distribution

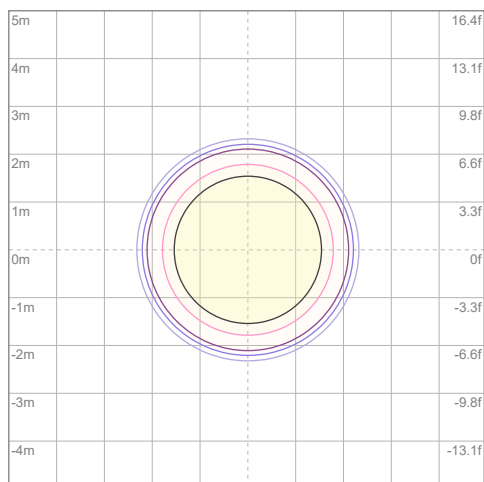
Polar Diagrams



iso-candela Diagram

10%	750 cd
20%	1500 cd
30%	2250 cd
40%	3000 cd
50%	3750 cd
60%	4500 cd
70%	5251 cd
80%	6001 cd
90%	6751 cd

Conditions:
Number of c-planes: 2
Candela at center: 7501 cd



iso-illuminance Diagram

3%	2.25 lx
5%	3.75 lx
10%	7.50 lx
30%	22.5 lx
50%	37.5 lx

Conditions:
Number of c-planes: 2
Lux at center: 75.0 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Green Only

Report Summary

Output

Total Lumens: 992 lm

Peak Intensity: 12136 cd

Illuminance @ 5m: 485 lux

Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 17.3°

Vertical Beam Angle (50%): 17.3°

Horizontal Field Angle (10%): 23.6°

Vertical Field Angle (10%): 23.6°

Horizontal Cutoff Angle (3%): 26.3°

Vertical Cutoff Angle (3%): 26.3°



Conditions

AC Supply: 121 V, 60 Hz

Power: 95.77 W

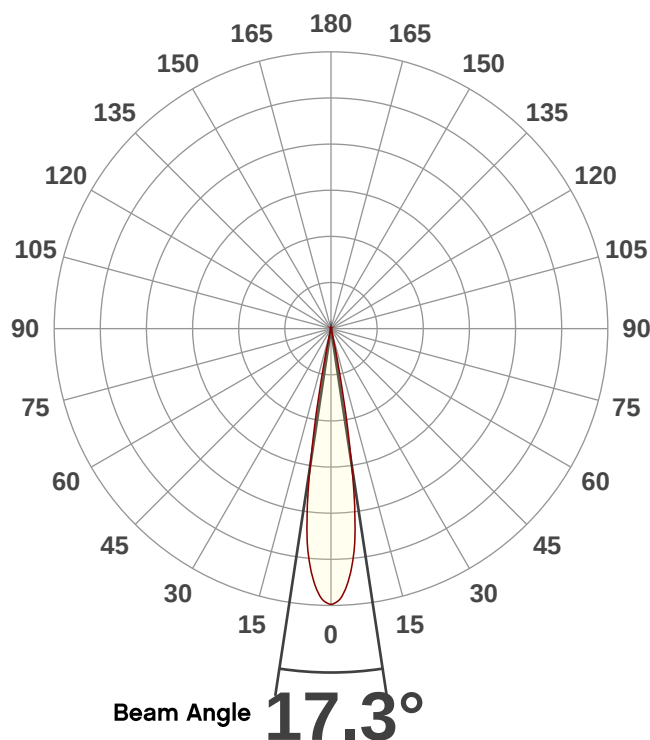
Current: 0.792 A

Power Factor: 0.98

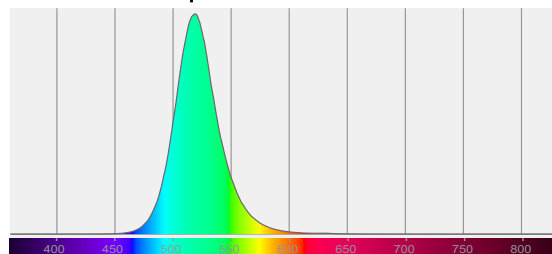
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Overall Measurement

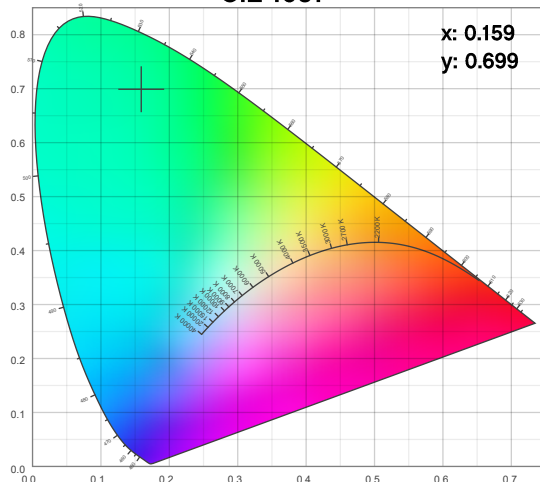
Angular Beam Distribution



Spectral Distribution



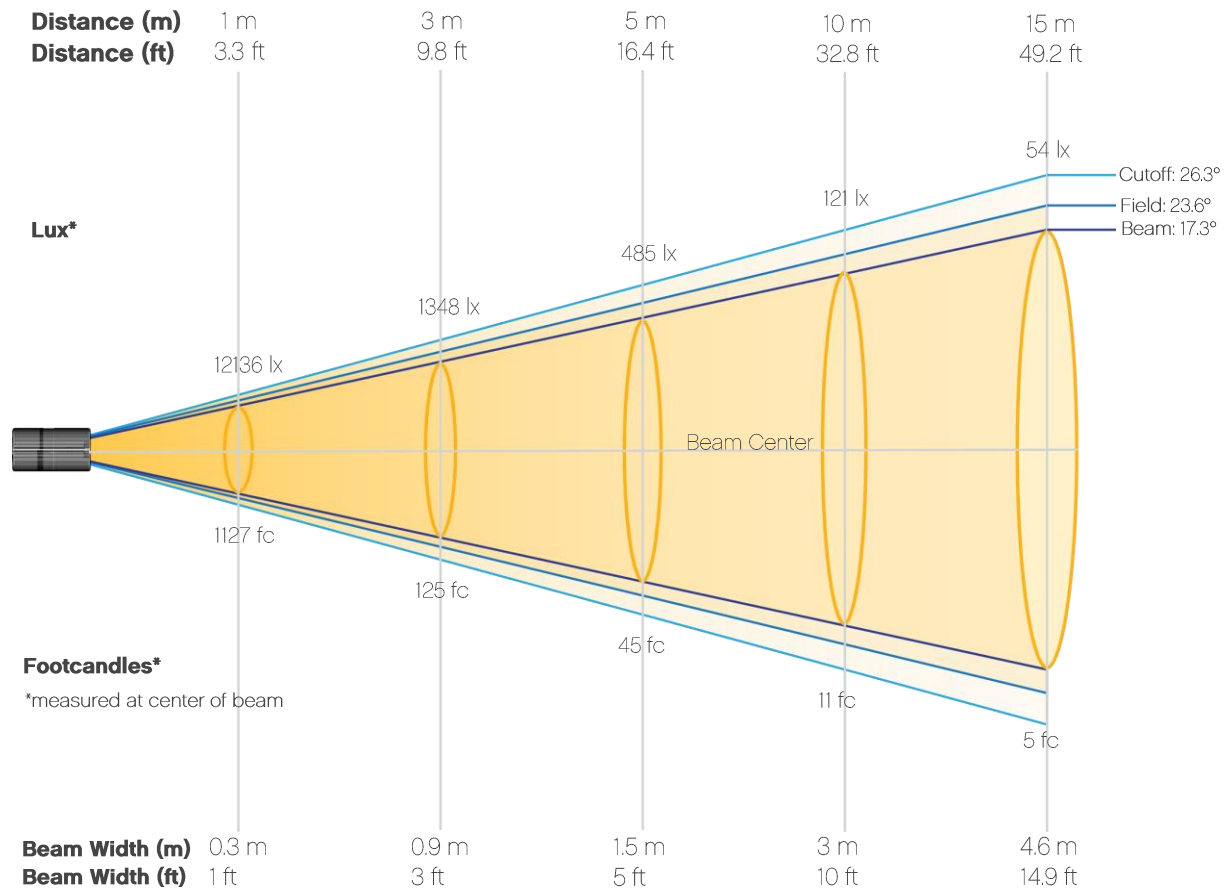
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Green Only

Beam Details



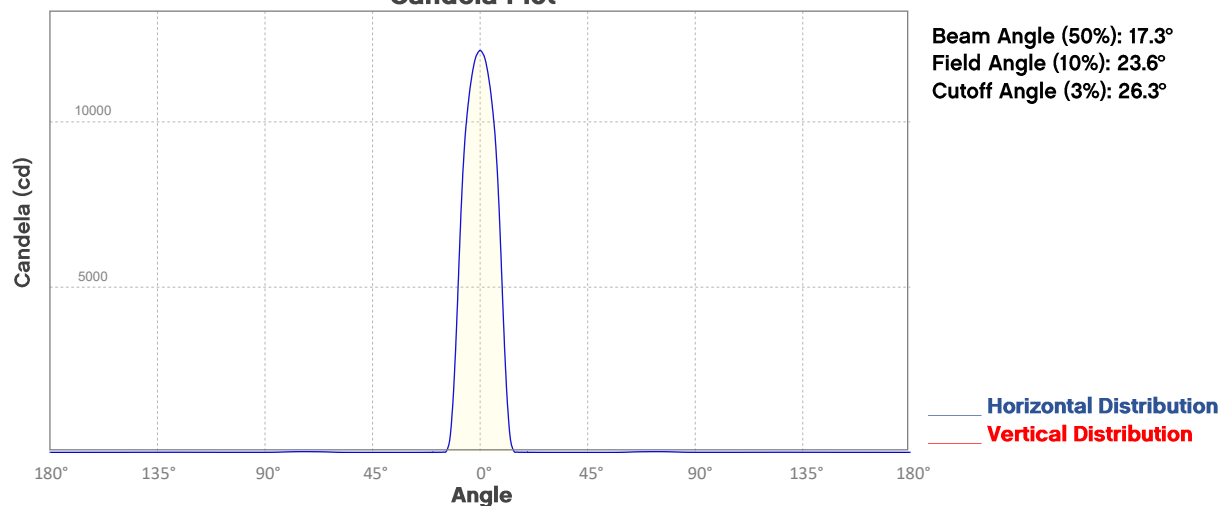
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	12136	3034	1348	758	485	337	248	190	150	121
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	100	84	72	62	54	47	42	37	34	30
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1127	282	125	70	45	31	23	18	14	11
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	8	7	6	5	4	4	3	3	3

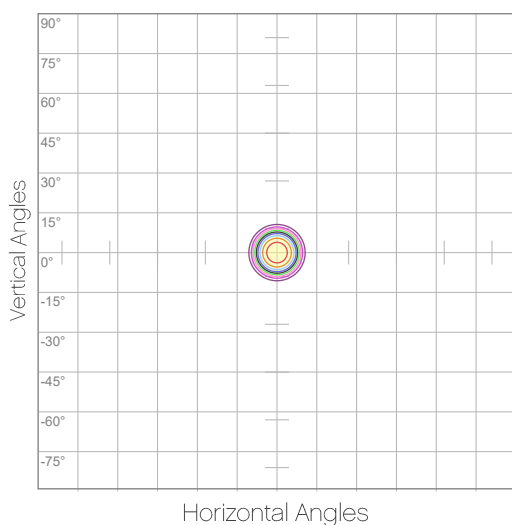
Photometric Report

Rogue R1 BW: 50% Zoom, Green Only

Candela Plot



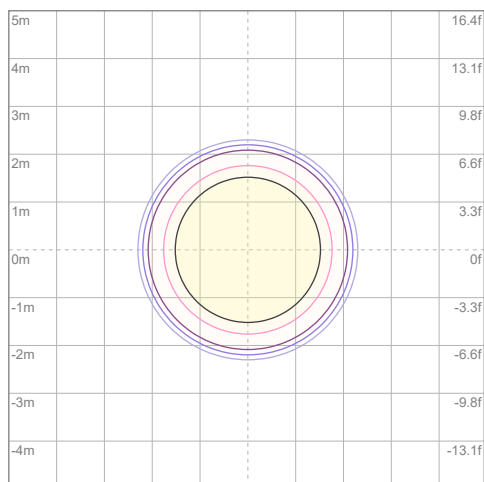
Polar Diagrams



iso-candela Diagram

10%	1214 cd
20%	2427 cd
30%	3641 cd
40%	4854 cd
50%	6068 cd
60%	7282 cd
70%	8495 cd
80%	9709 cd
90%	10922 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 12136 cd



iso-illuminance Diagram

3%	3.64 lx
5%	6.07 lx
10%	12.1 lx
30%	36.4 lx
50%	60.7 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 121 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Blue Only

Report Summary

Output

Total Lumens: 293 lm

Peak Intensity: 3310 cd

Illuminance @ 5m: 132 lux

Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 17°

Vertical Beam Angle (50%): 17°

Horizontal Field Angle (10%): 22.9°

Vertical Field Angle (10%): 22.9°

Horizontal Cutoff Angle (3%): 25.6°

Vertical Cutoff Angle (3%): 25.6°



Conditions

AC Supply: 121 V, 60 Hz

Power: 80.82 W

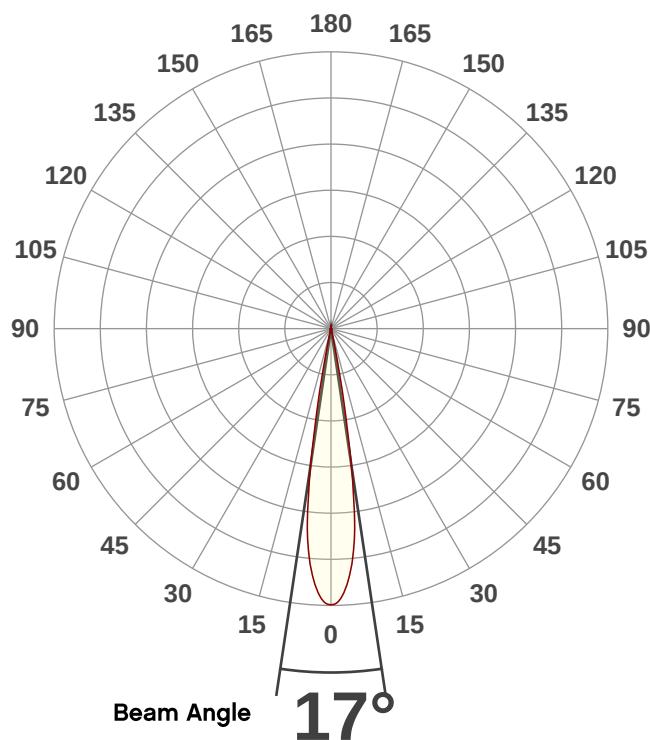
Current: 0.668 A

Power Factor: 0.98

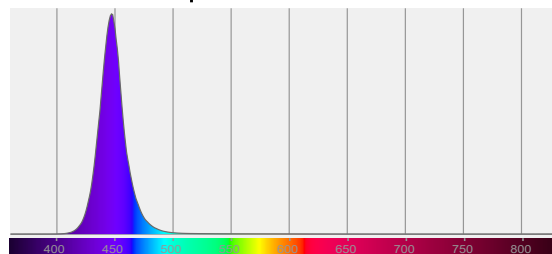
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Overall Measurement

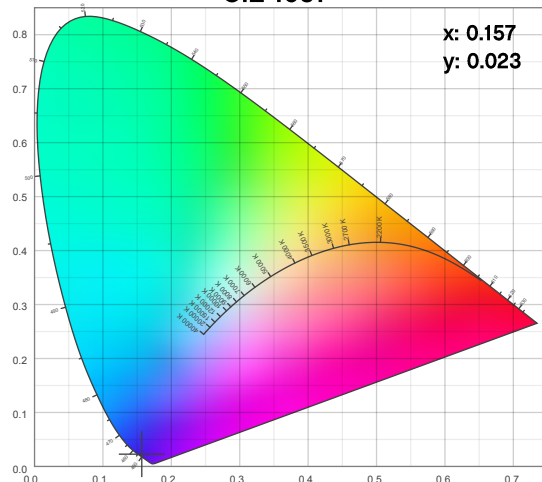
Angular Beam Distribution



Spectral Distribution



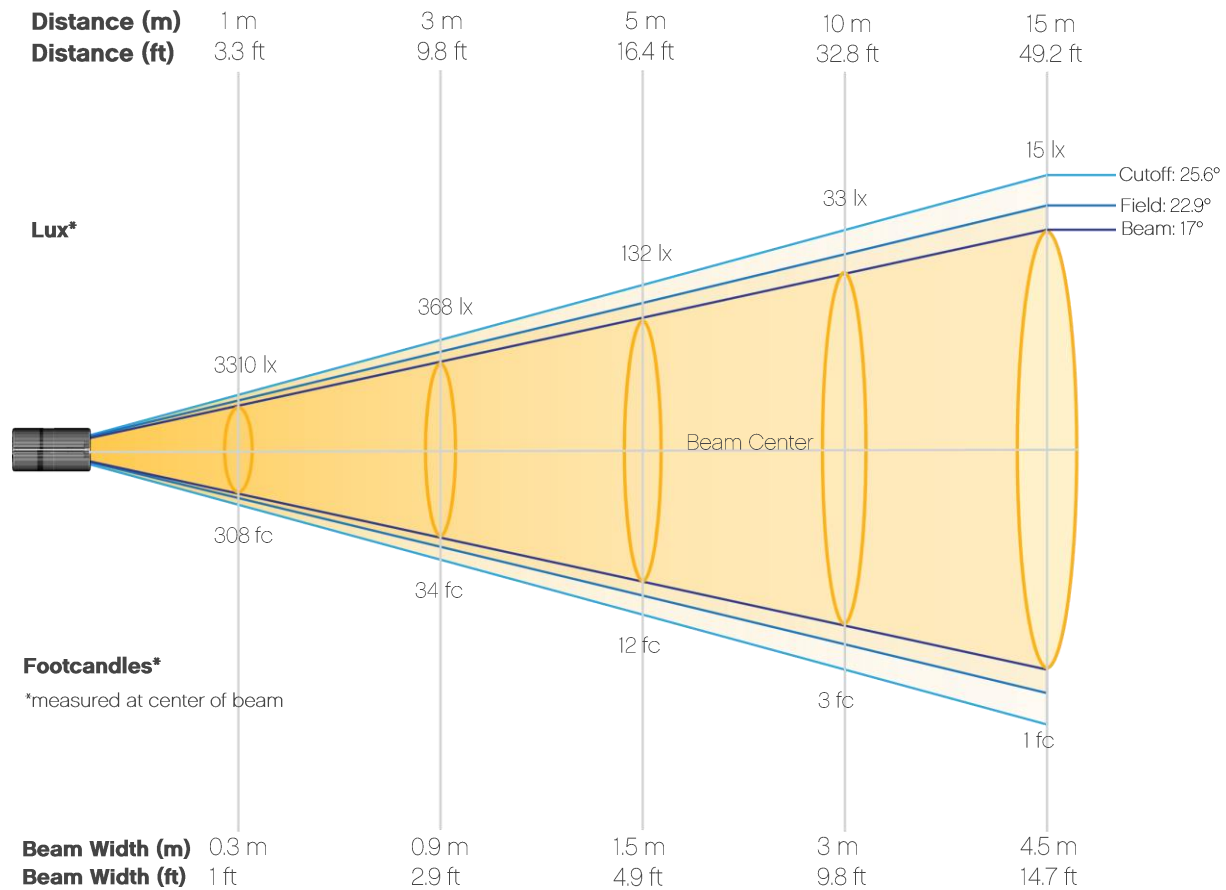
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Blue Only

Beam Details



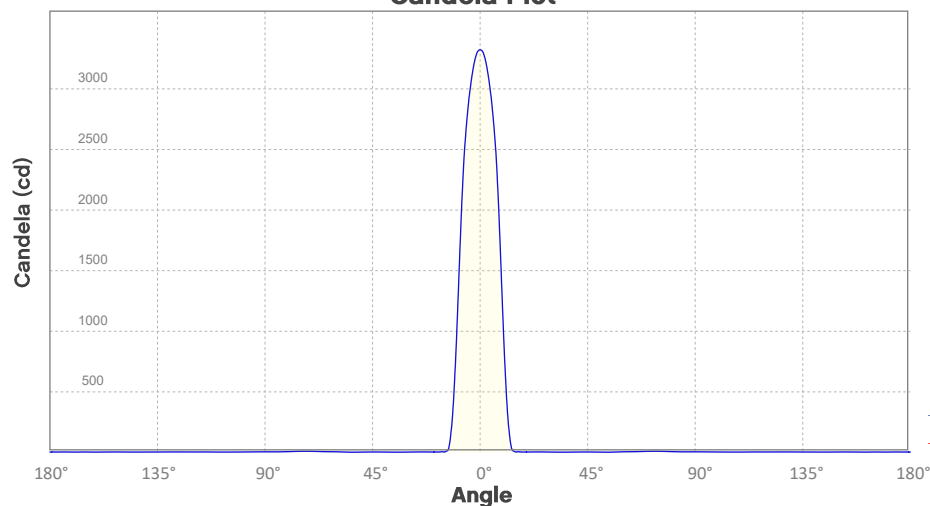
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3310	828	368	207	132	92	68	52	41	33
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	27	23	20	17	15	13	11	10	9	8
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	308	77	34	19	12	9	6	5	4	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	2	2	2	1	1	1	1	1	1

Photometric Report

Rogue R1 BW: 50% Zoom, Blue Only

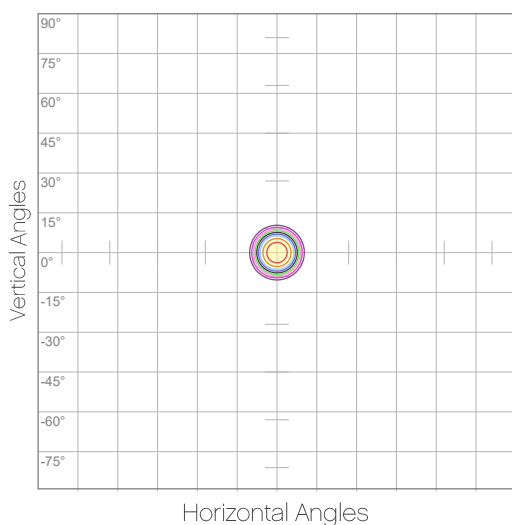
Candela Plot



Beam Angle (50%): 17°
Field Angle (10%): 22.9°
Cutoff Angle (3%): 25.6°

— Horizontal Distribution
— Vertical Distribution

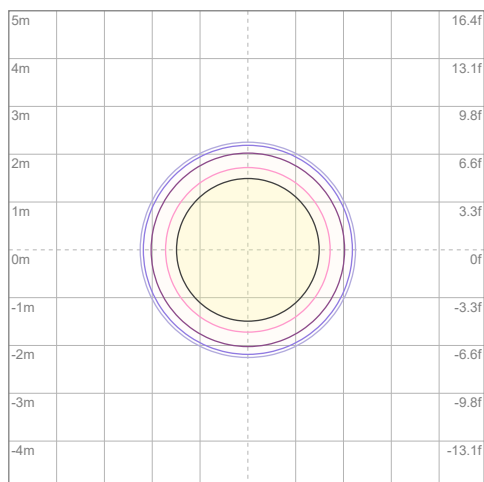
Polar Diagrams



iso-candela Diagram

10%	331 cd
20%	662 cd
30%	993 cd
40%	1324 cd
50%	1655 cd
60%	1986 cd
70%	2317 cd
80%	2648 cd
90%	2979 cd

Conditions:
Number of c-planes: 2
Candela at center: 3310 cd



iso-illuminance Diagram

3%	0.993 lx
5%	1.66 lx
10%	3.31 lx
30%	9.93 lx
50%	16.6 lx

Conditions:
Number of c-planes: 2
Lux at center: 33.1 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, White Only

Report Summary

Output

Total Lumens: 1510 lm

Peak Intensity: 17340 cd

Illuminance @ 5m: 694 lux

Fixture Efficacy: 19 lm/W

Optical

Horizontal Beam Angle (50%): 17.9°

Vertical Beam Angle (50%): 17.9°

Horizontal Field Angle (10%): 23.8°

Vertical Field Angle (10%): 23.8°

Horizontal Cutoff Angle (3%): 26.6°

Vertical Cutoff Angle (3%): 26.6°



Conditions

AC Supply: 121 V, 60 Hz

Power: 81.49 W

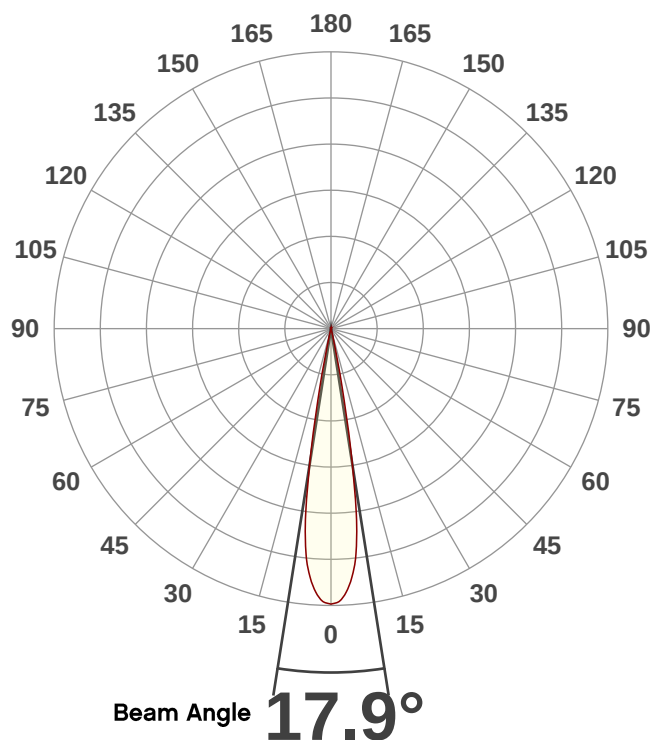
Current: 0.673 A

Power Factor: 0.98

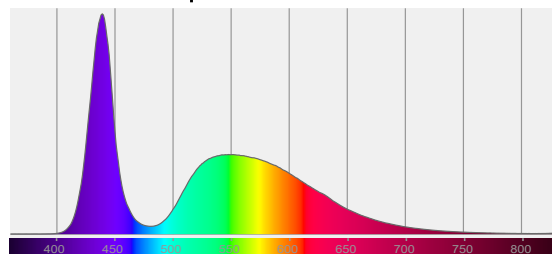
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/25/2019 to LM-63-2002 Standards.

Overall Measurement

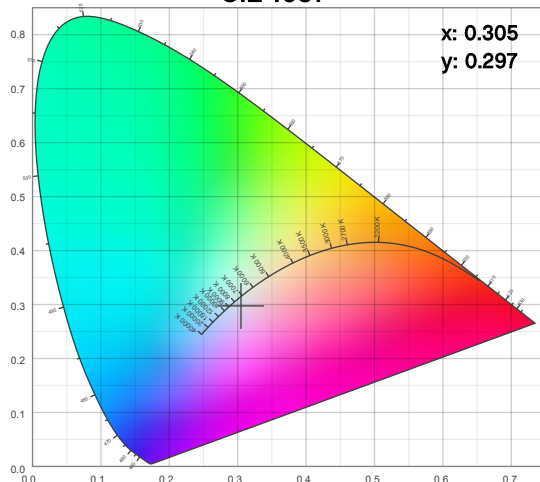
Angular Beam Distribution



Spectral Distribution



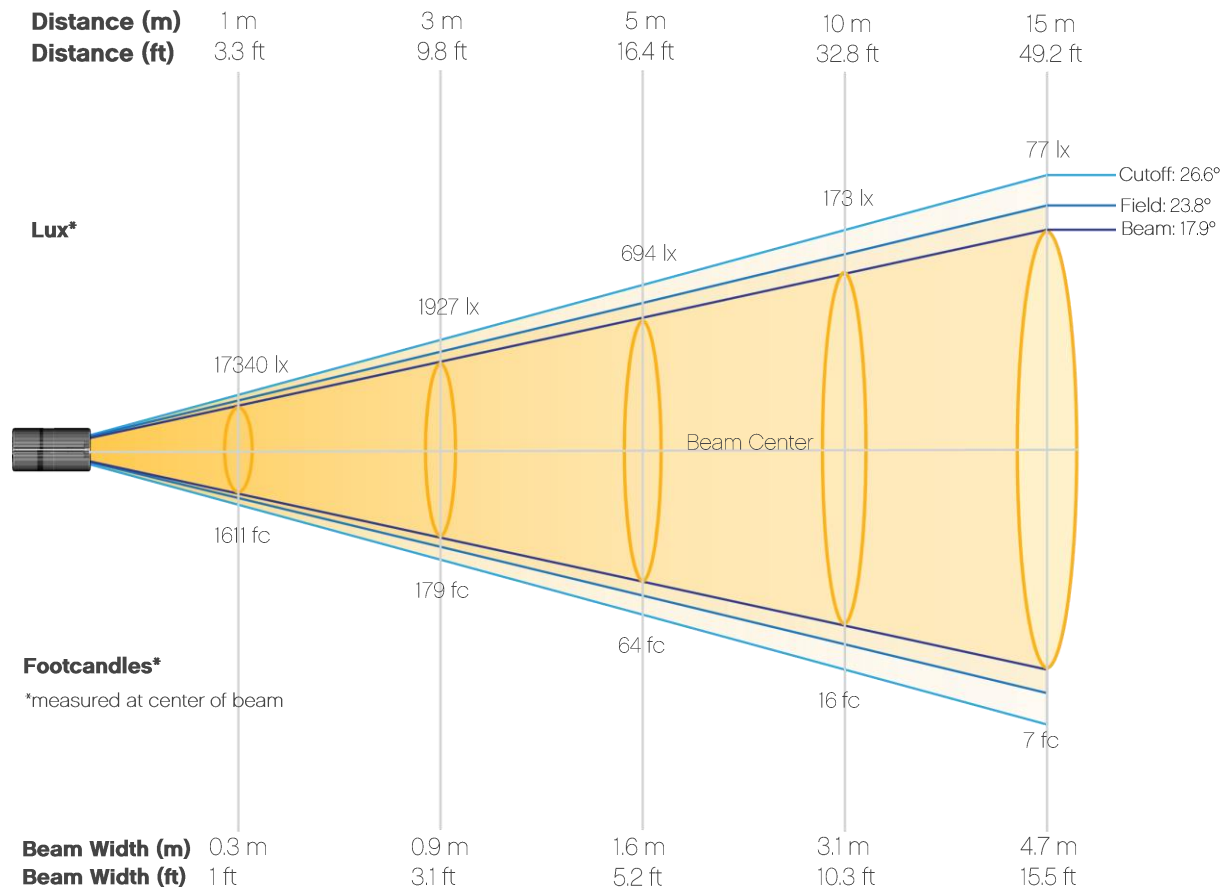
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, White Only

Beam Details



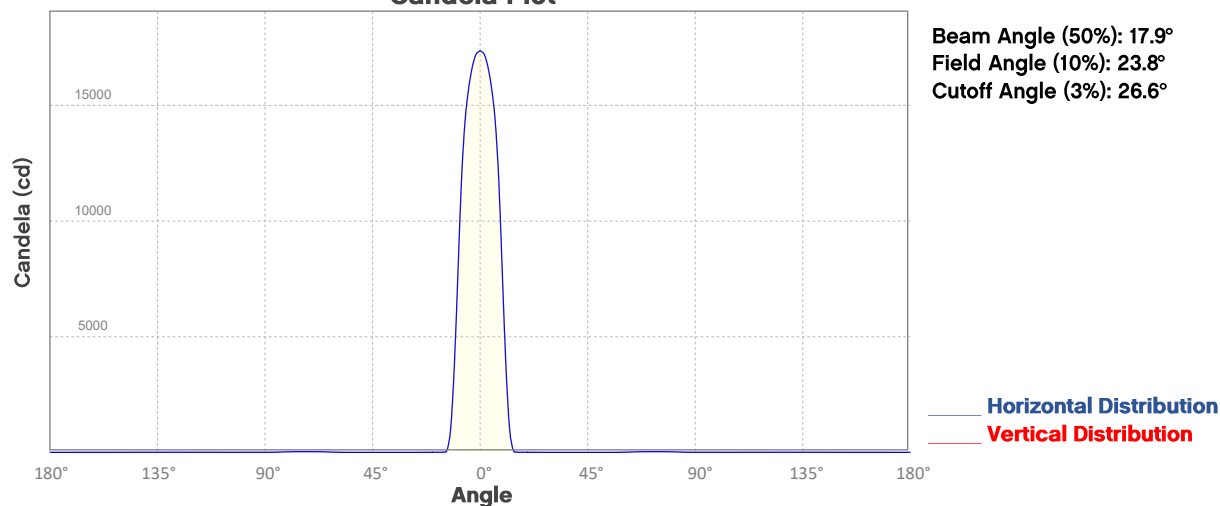
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	17340	4335	1927	1084	694	482	354	271	214	173
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	143	120	103	88	77	68	60	54	48	43
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1611	403	179	101	64	45	33	25	20	16
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	13	11	10	8	7	6	6	5	4	4

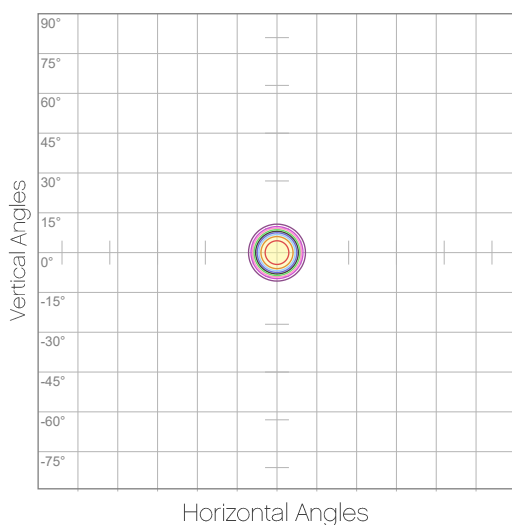
Photometric Report

Rogue R1 BW: 50% Zoom, White Only

Candela Plot



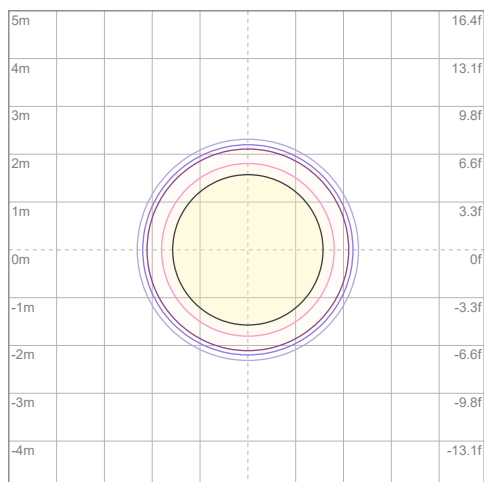
Polar Diagrams



iso-candela Diagram

10%	1734 cd
20%	3468 cd
30%	5202 cd
40%	6936 cd
50%	8670 cd
60%	10404 cd
70%	12138 cd
80%	13872 cd
90%	15606 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 17340 cd



iso-illuminance Diagram

3%	5.20 lx
5%	8.67 lx
10%	17.3 lx
30%	52.0 lx
50%	86.7 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 173 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, 7500K

Report Summary

Output

Total Lumens: 2870 lm
Peak Intensity: 33807 cd
Illuminance @ 5m: 1352 lux
Fixture Efficacy: 14 lm/W

Optical

Horizontal Beam Angle (50%): 17.6°
Vertical Beam Angle (50%): 17.6°
Horizontal Field Angle (10%): 23.7°
Vertical Field Angle (10%): 23.7°
Horizontal Cutoff Angle (3%): 26.4°
Vertical Cutoff Angle (3%): 26.4°



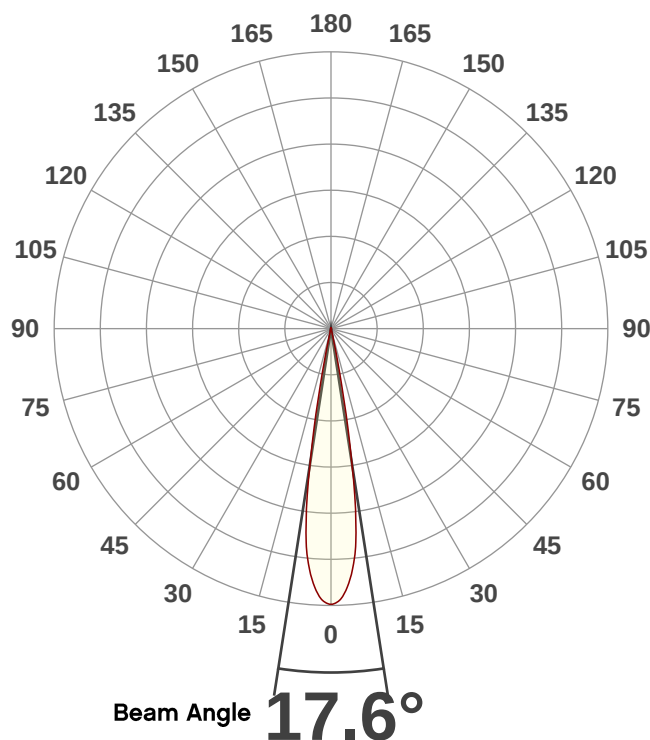
Conditions

AC Supply: 121 V, 60.1 Hz
Power: 209.08 W
Current: 1.73 A
Power Factor: 1.0

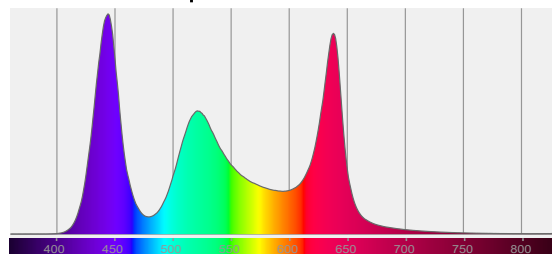
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Overall Measurement

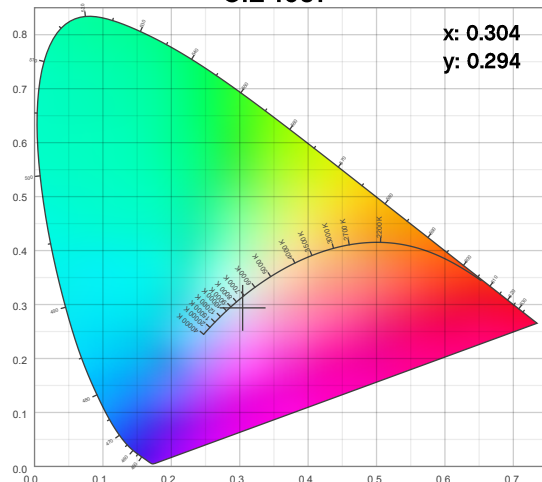
Angular Beam Distribution



Spectral Distribution



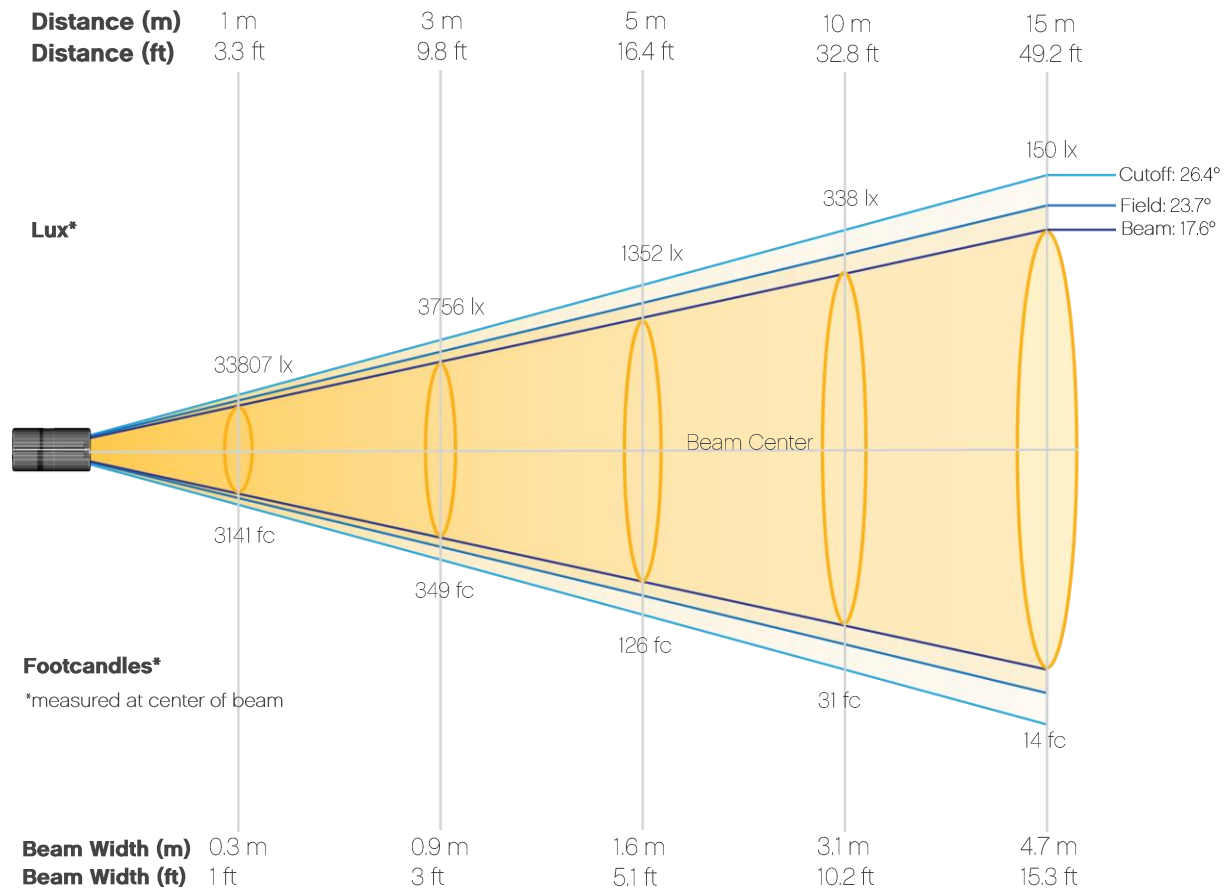
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, 7500K

Beam Details



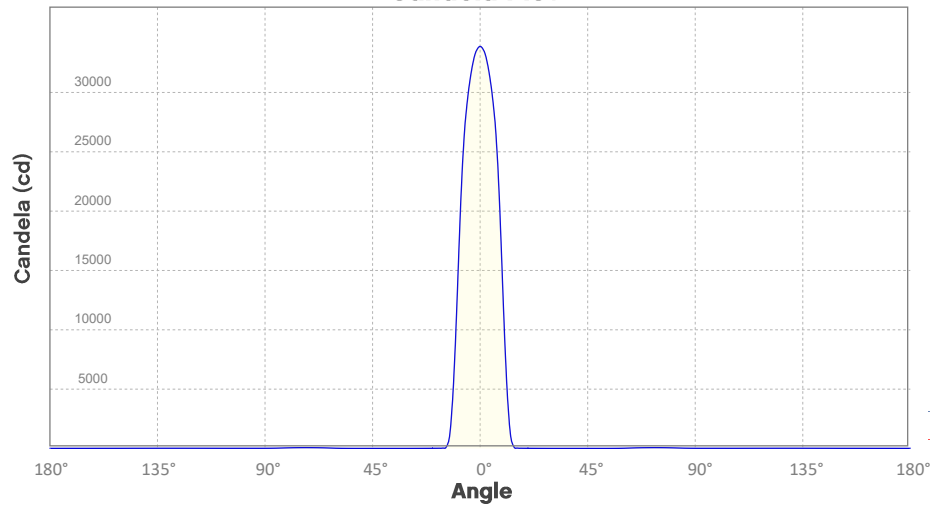
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	33807	8452	3756	2113	1352	939	690	528	417	338
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	279	235	200	172	150	132	117	104	94	85
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3141	785	349	196	126	87	64	49	39	31
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	26	22	19	16	14	12	11	10	9	8

Photometric Report

Rogue R1 BW: 50% Zoom, 7500K

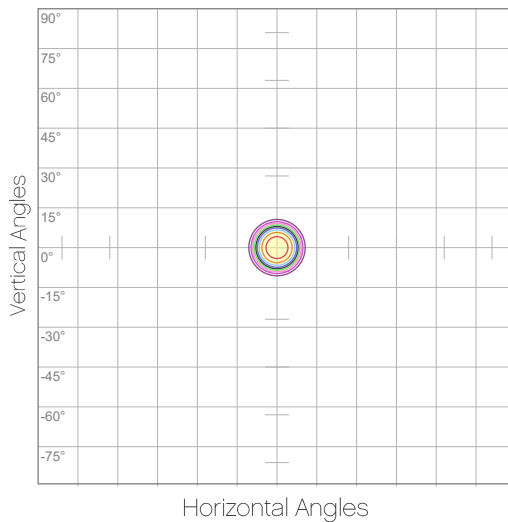
Candela Plot



Beam Angle (50%): 17.6°
Field Angle (10%): 23.7°
Cutoff Angle (3%): 26.4°

— Horizontal Distribution
— Vertical Distribution

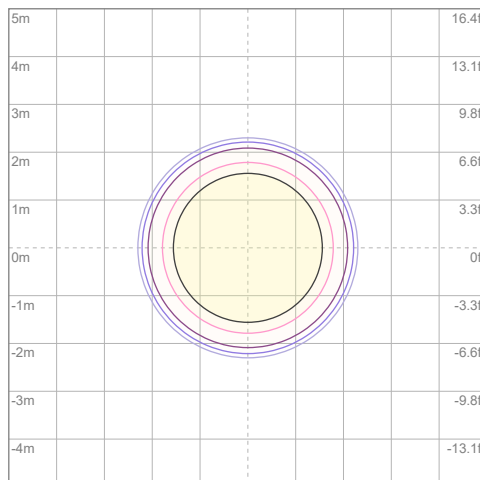
Polar Diagrams



iso-candela Diagram

10%	3381 cd
20%	6761 cd
30%	10142 cd
40%	13523 cd
50%	16904 cd
60%	20284 cd
70%	23665 cd
80%	27046 cd
90%	30427 cd

Conditions:
Number of c-planes: 2
Candela at center: 33807 cd



iso-illuminance Diagram

3%	10.1 lx
5%	16.9 lx
10%	33.8 lx
30%	101 lx
50%	169 lx

Conditions:
Number of c-planes: 2
Lux at center: 338 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Full Power

Report Summary

Output

Total Lumens: 1420 lm

Peak Intensity: 348475 cd

Illuminance @ 5m: 13939 lux

Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.4°

Vertical Beam Angle (50%): 3.4°

Horizontal Field Angle (10%): 4.9°

Vertical Field Angle (10%): 4.9°

Horizontal Cutoff Angle (3%): 5.5°

Vertical Cutoff Angle (3%): 5.5°



Conditions

AC Supply: 121 V, 60 Hz

Power: 259.55 W

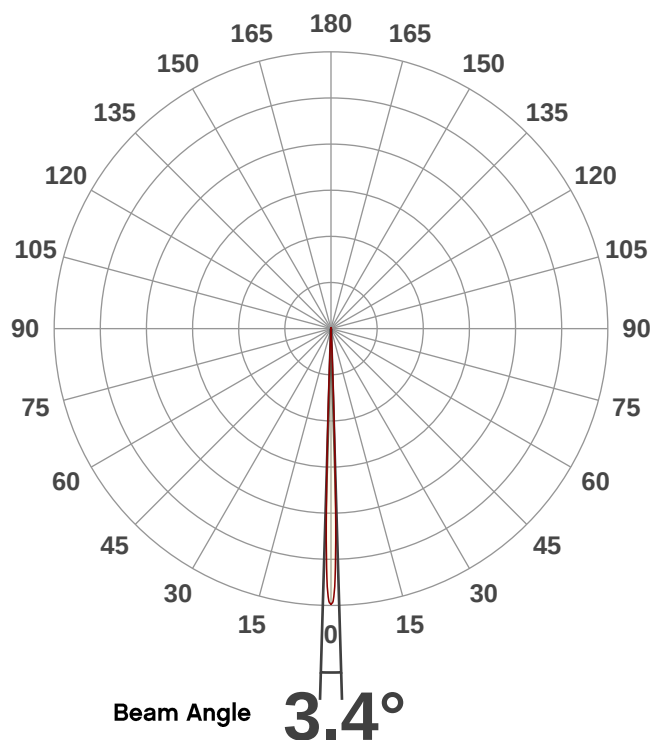
Current: 2.15 A

Power Factor: 0.99

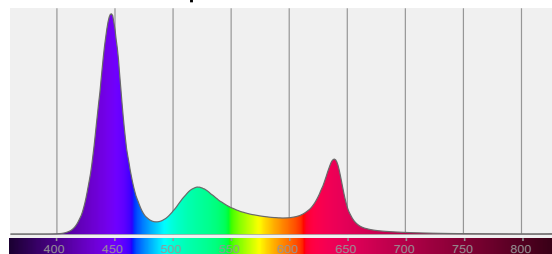
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Overall Measurement

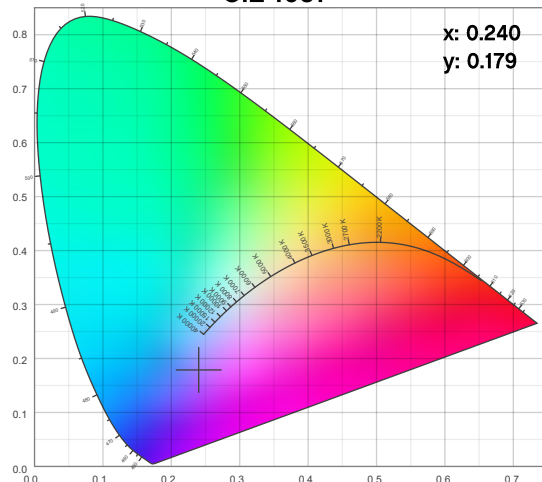
Angular Beam Distribution



Spectral Distribution



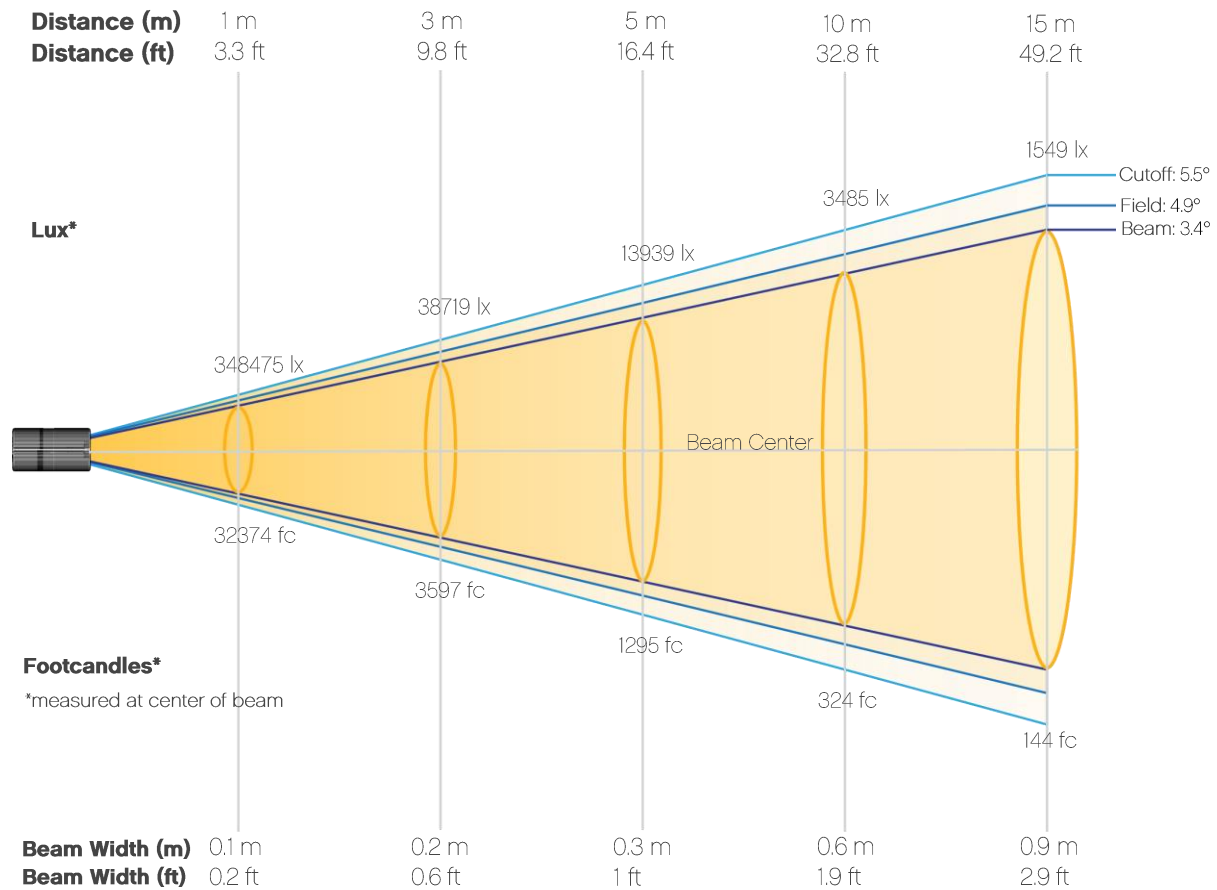
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Full Power

Beam Details



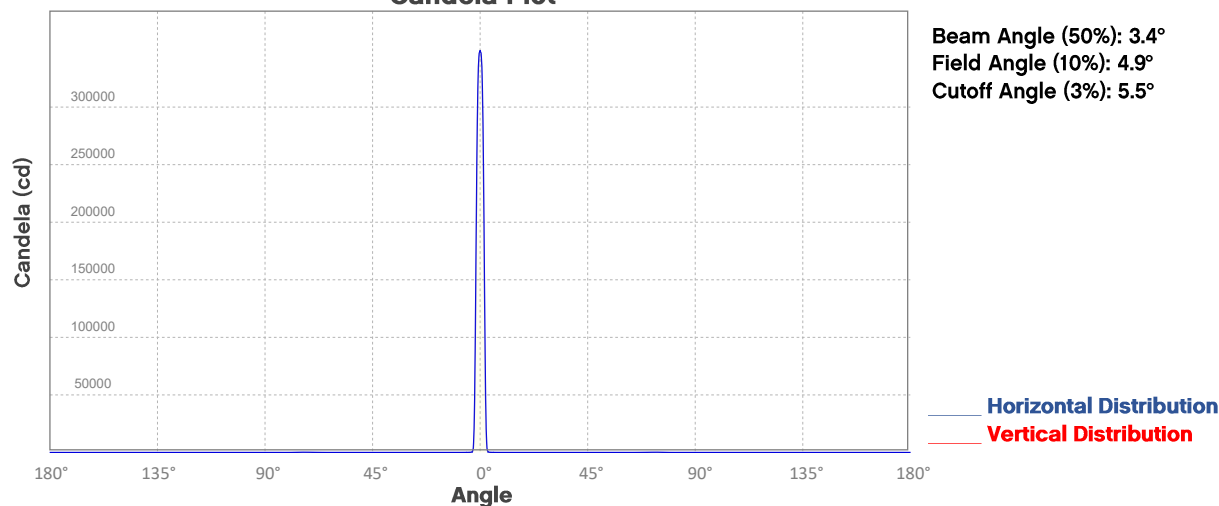
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	348475	87119	38719	21780	13939	9680	7112	5445	4302	3485
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2880	2420	2062	1778	1549	1361	1206	1076	965	871
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	32374	8094	3597	2023	1295	899	661	506	400	324
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	268	225	192	165	144	126	112	100	90	81

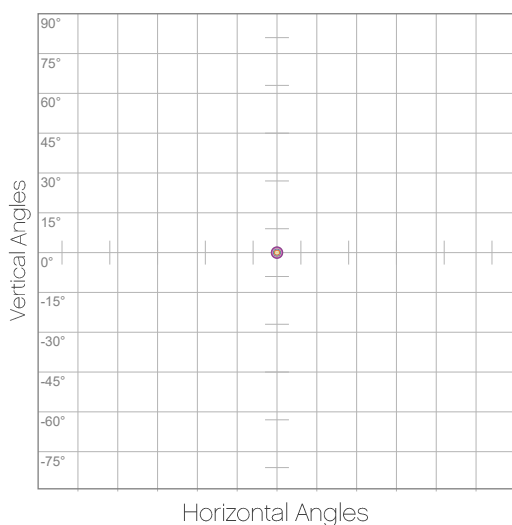
Photometric Report

Rogue R1 BW: Full Spot, Full Power

Candela Plot



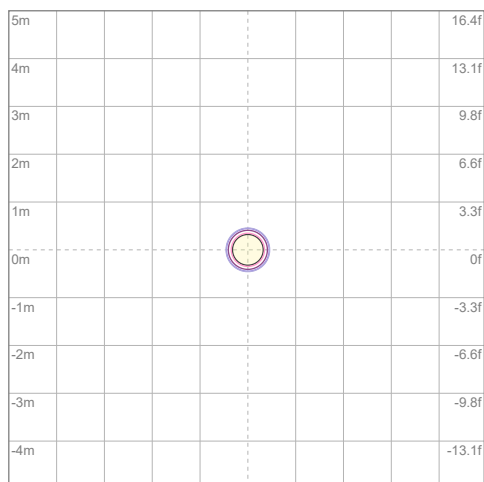
Polar Diagrams



iso-candela Diagram

10%	34847 cd
20%	69695 cd
30%	104542 cd
40%	139390 cd
50%	174237 cd
60%	209085 cd
70%	243932 cd
80%	278780 cd
90%	313627 cd

Conditions:
Number of c-planes: 2
Candela at center: 348475 cd



iso-illuminance Diagram

3%	105 lx
5%	174 lx
10%	348 lx
30%	1045 lx
50%	1742 lx

Conditions:
Number of c-planes: 2
Lux at center: 3485 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Red Only

Report Summary

Output

Total Lumens: 361 lm

Peak Intensity: 73305 cd

Illuminance @ 5m: 2932 lux

Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 3.3°

Vertical Beam Angle (50%): 3.3°

Horizontal Field Angle (10%): 4.8°

Vertical Field Angle (10%): 4.8°

Horizontal Cutoff Angle (3%): 5.5°

Vertical Cutoff Angle (3%): 5.5°



Conditions

AC Supply: 122 V, 60 Hz

Power: 72.6 W

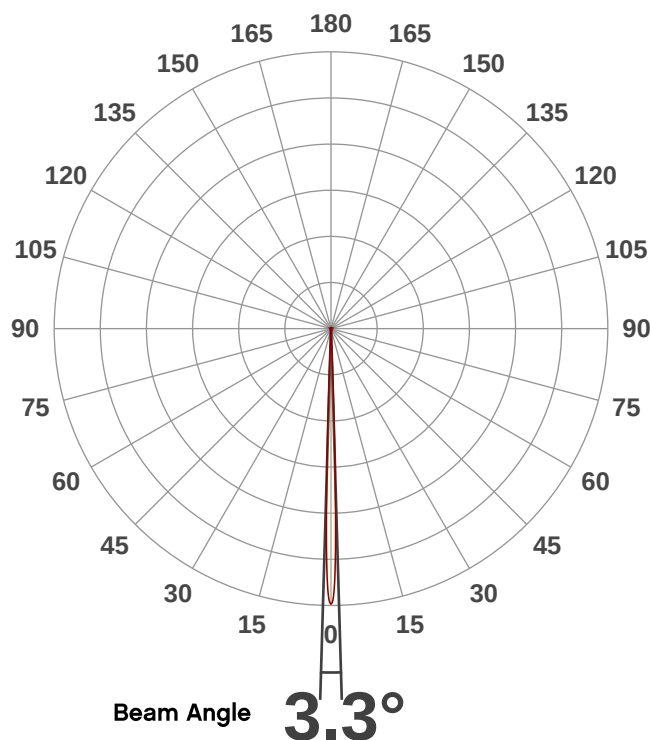
Current: 0.596 A

Power Factor: 0.97

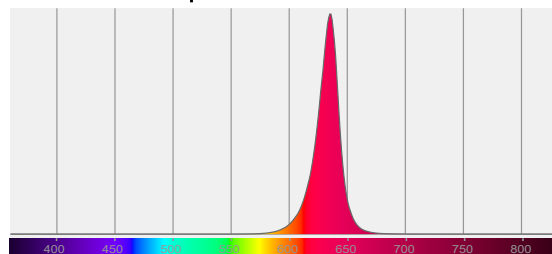
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Overall Measurement

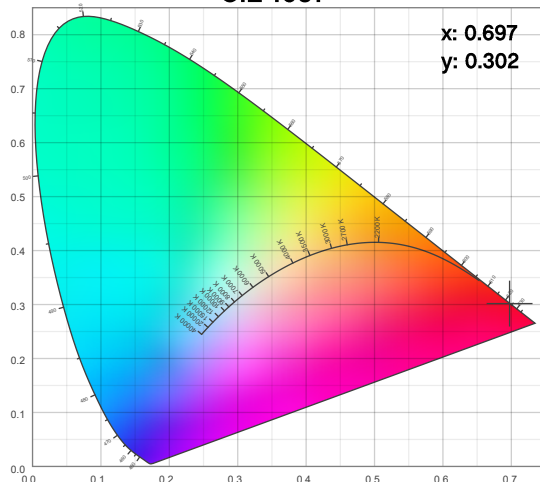
Angular Beam Distribution



Spectral Distribution



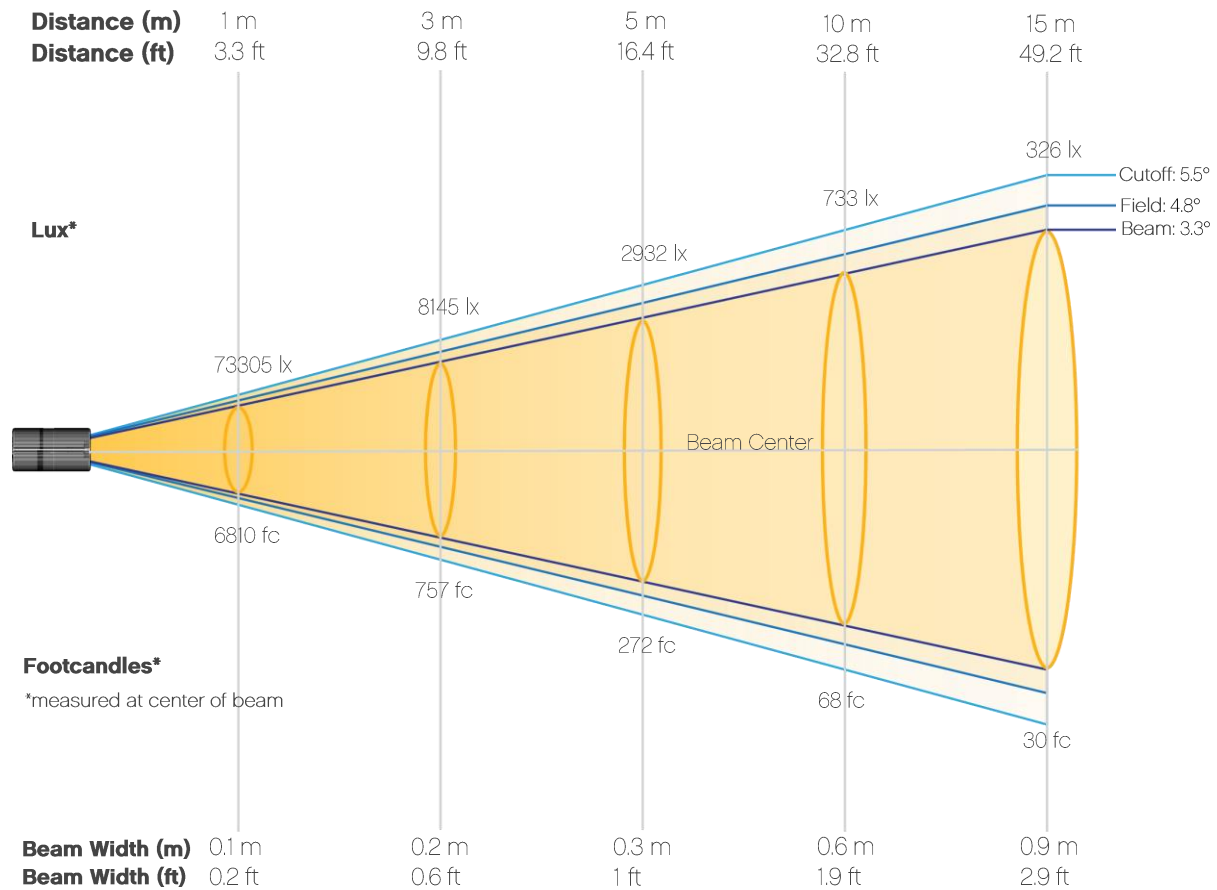
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Red Only

Beam Details



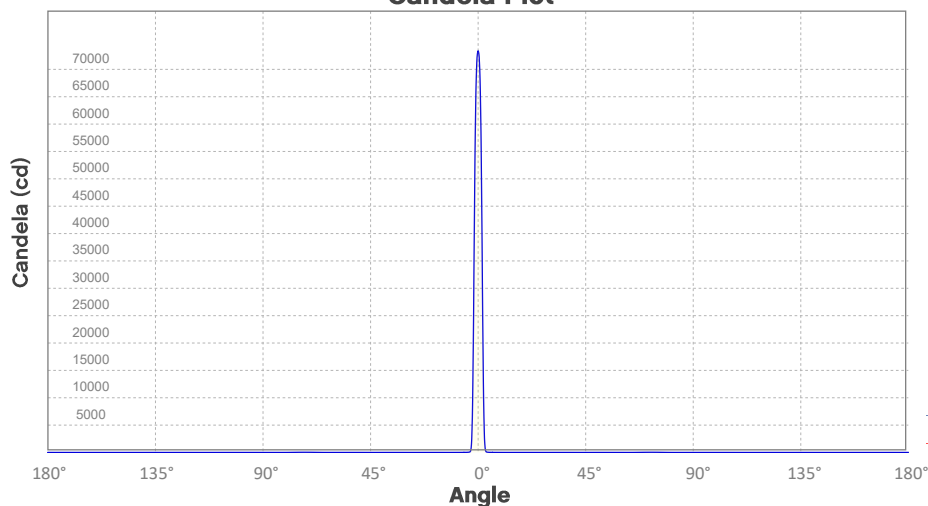
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	73305	18326	8145	4582	2932	2036	1496	1145	905	733
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	606	509	434	374	326	286	254	226	203	183
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	6810	1703	757	426	272	189	139	106	84	68
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	56	47	40	35	30	27	24	21	19	17

Photometric Report

Rogue R1 BW: Full Spot, Red Only

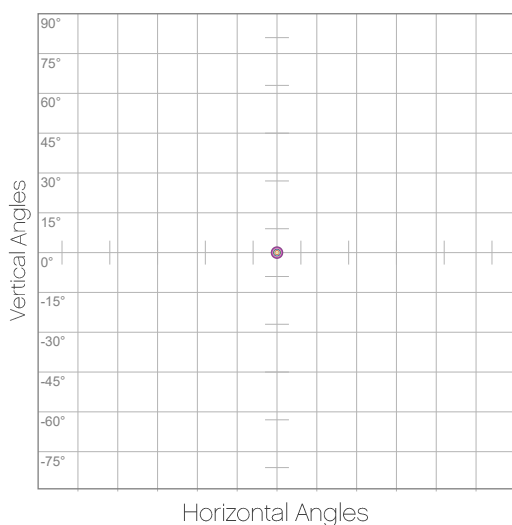
Candela Plot



Beam Angle (50%): 3.3°
Field Angle (10%): 4.8°
Cutoff Angle (3%): 5.5°

Horizontal Distribution
Vertical Distribution

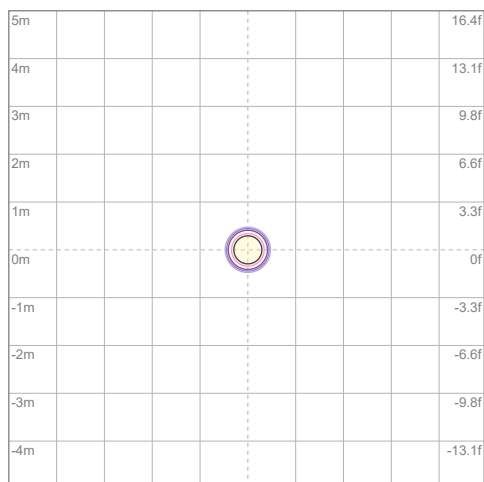
Polar Diagrams



iso-candela Diagram

10%	7330 cd
20%	14661 cd
30%	21991 cd
40%	29322 cd
50%	36652 cd
60%	43983 cd
70%	51313 cd
80%	58644 cd
90%	65974 cd

Conditions:
Number of c-planes: 2
Candela at center: 73305 cd



iso-illuminance Diagram

3%	22.0 lx
5%	36.7 lx
10%	73.3 lx
30%	220 lx
50%	367 lx

Conditions:
Number of c-planes: 2
Lux at center: 733 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Green Only

Report Summary

Output

Total Lumens: 478 lm

Peak Intensity: 115052 cd

Illuminance @ 5m: 4602 lux

Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 3.4°

Vertical Beam Angle (50%): 3.4°

Horizontal Field Angle (10%): 4.7°

Vertical Field Angle (10%): 4.7°

Horizontal Cutoff Angle (3%): 5.5°

Vertical Cutoff Angle (3%): 5.5°



Conditions

AC Supply: 121 V, 60 Hz

Power: 95.97 W

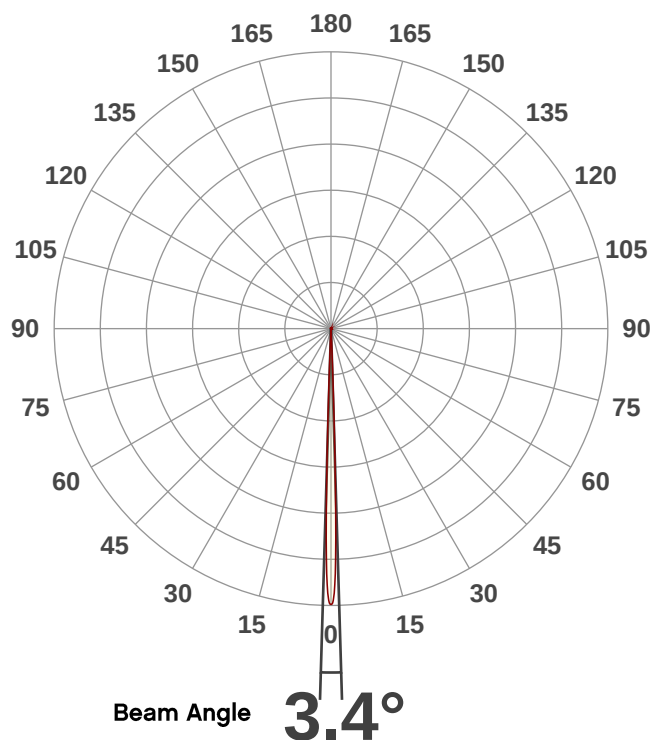
Current: 0.791 A

Power Factor: 0.98

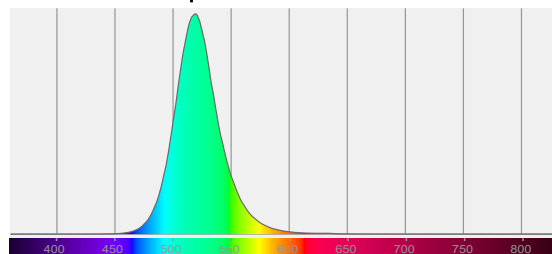
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Overall Measurement

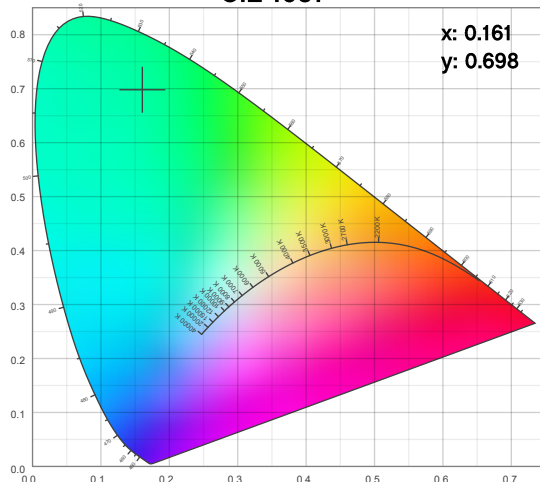
Angular Beam Distribution



Spectral Distribution



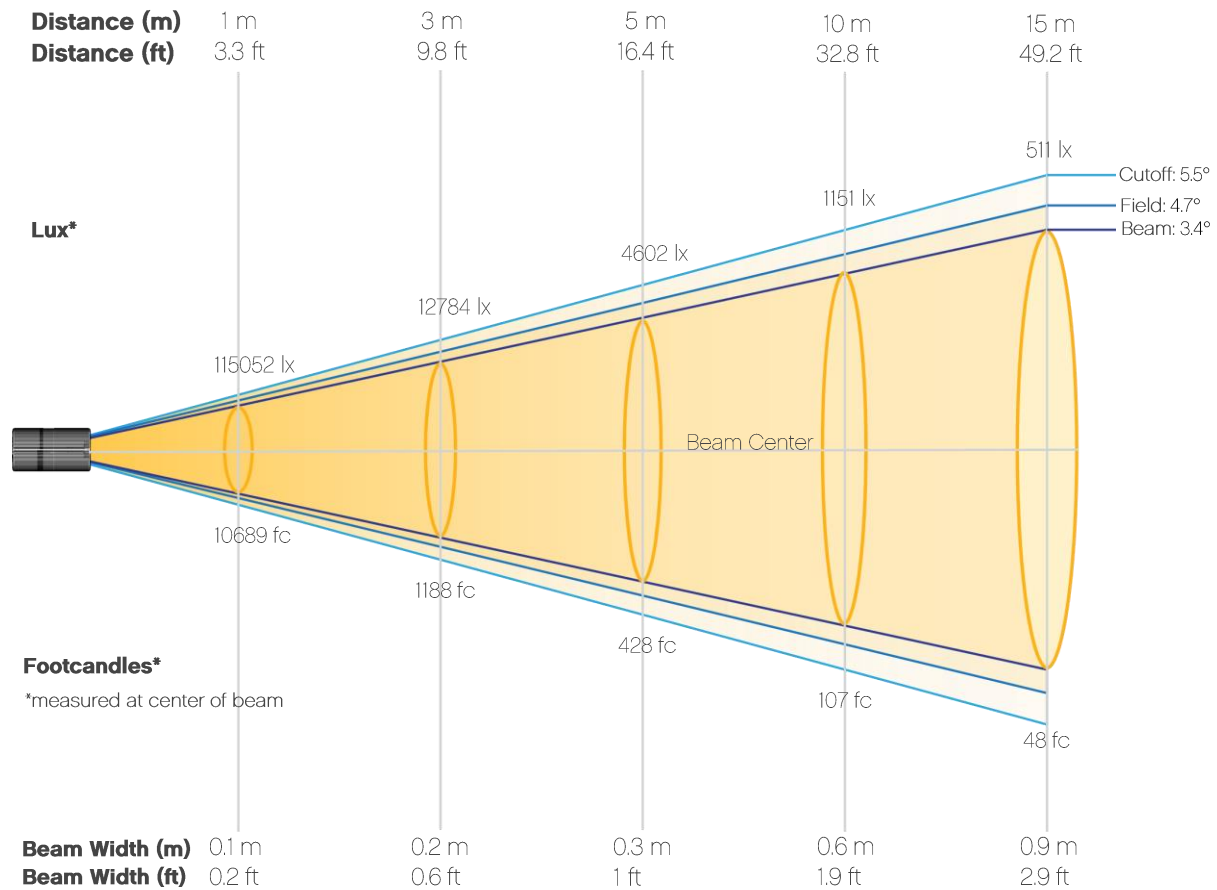
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Green Only

Beam Details



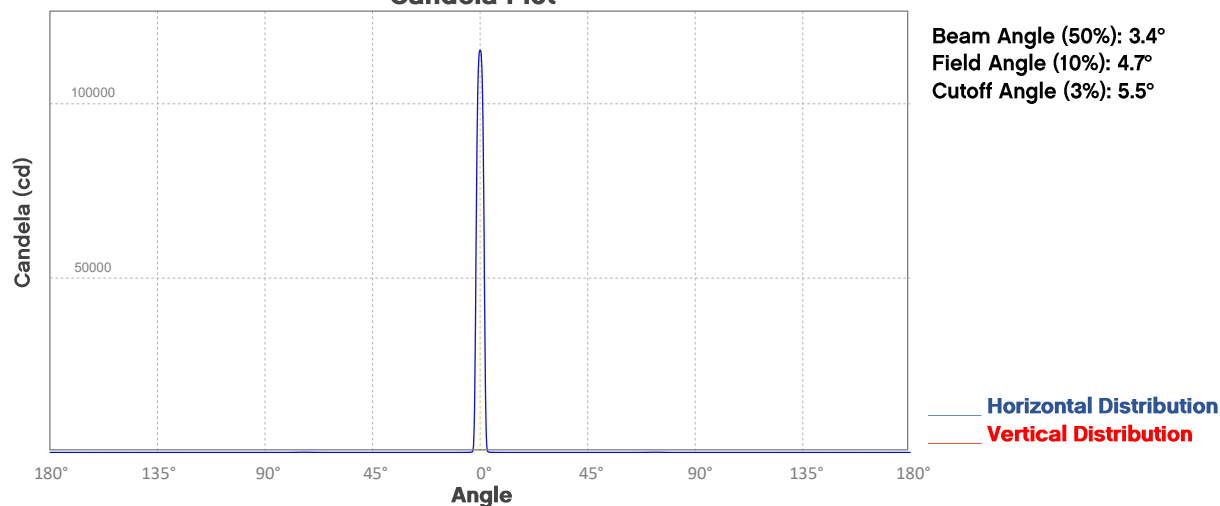
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	115052	28763	12784	7191	4602	3196	2348	1798	1420	1151
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	951	799	681	587	511	449	398	355	319	288
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10689	2672	1188	668	428	297	218	167	132	107
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	88	74	63	55	48	42	37	33	30	27

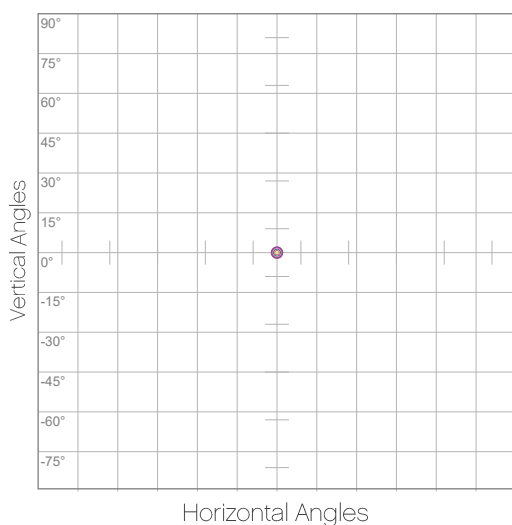
Photometric Report

Rogue R1 BW: Full Spot, Green Only

Candela Plot



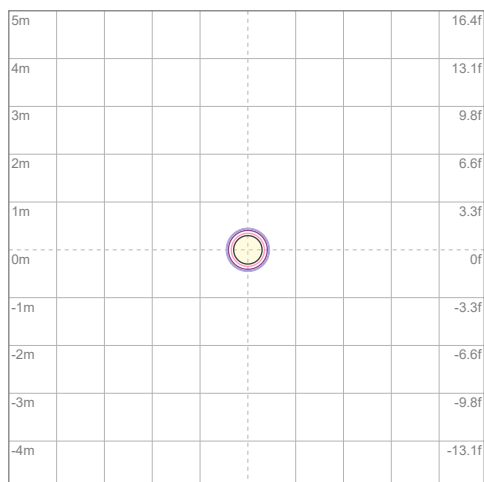
Polar Diagrams



iso-candela Diagram

10%	11505 cd
20%	23010 cd
30%	34516 cd
40%	46021 cd
50%	57526 cd
60%	69031 cd
70%	80536 cd
80%	92041 cd
90%	103547 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 115052 cd



iso-illuminance Diagram

3%	34.5 lx
5%	57.5 lx
10%	115 lx
30%	345 lx
50%	575 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1151 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Blue Only

Report Summary

Output

Total Lumens: 269 lm

Peak Intensity: 29650 cd

Illuminance @ 5m: 1186 lux

Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 3.4°

Vertical Beam Angle (50%): 3.4°

Horizontal Field Angle (10%): 5.5°

Vertical Field Angle (10%): 5.5°

Horizontal Cutoff Angle (3%): 6°

Vertical Cutoff Angle (3%): 6°



Conditions

AC Supply: 121 V, 60 Hz

Power: 81.69 W

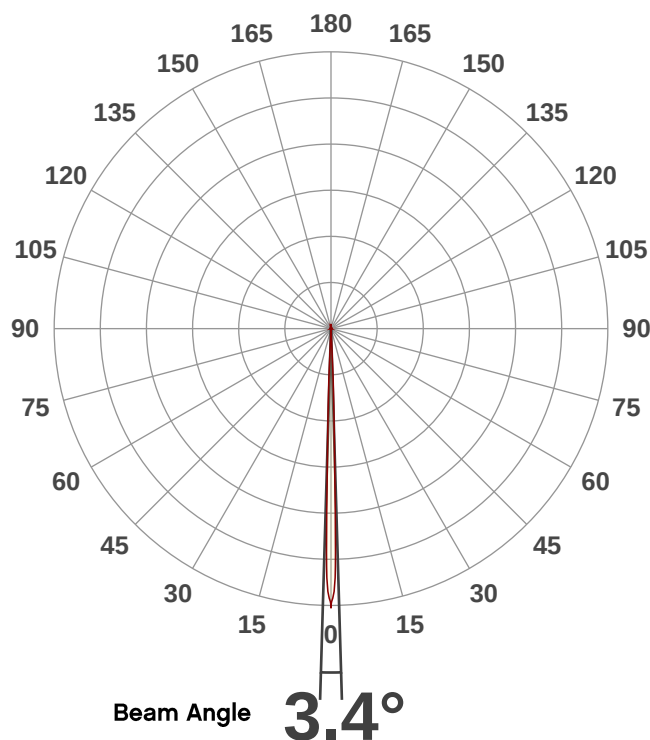
Current: 0.675 A

Power Factor: 0.98

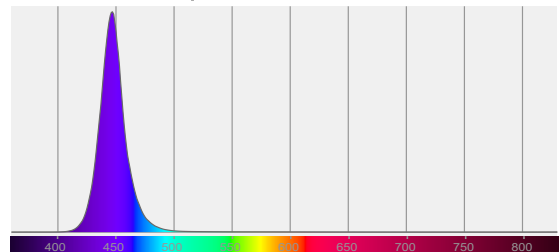
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Overall Measurement

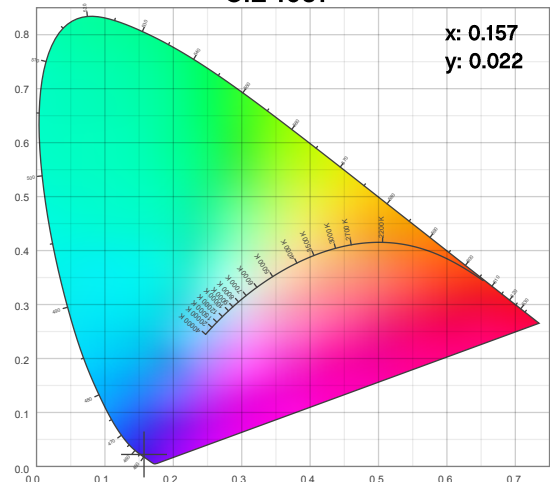
Angular Beam Distribution



Spectral Distribution



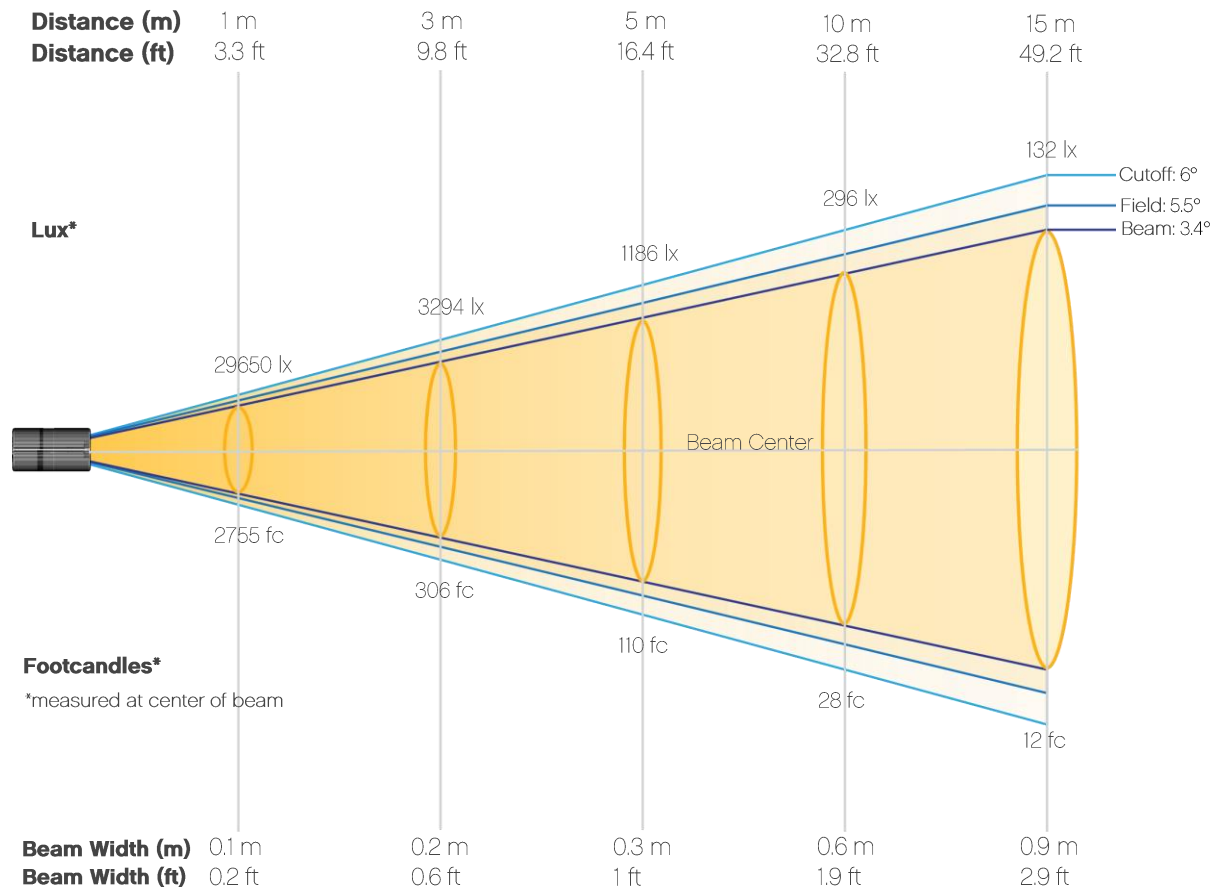
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Blue Only

Beam Details



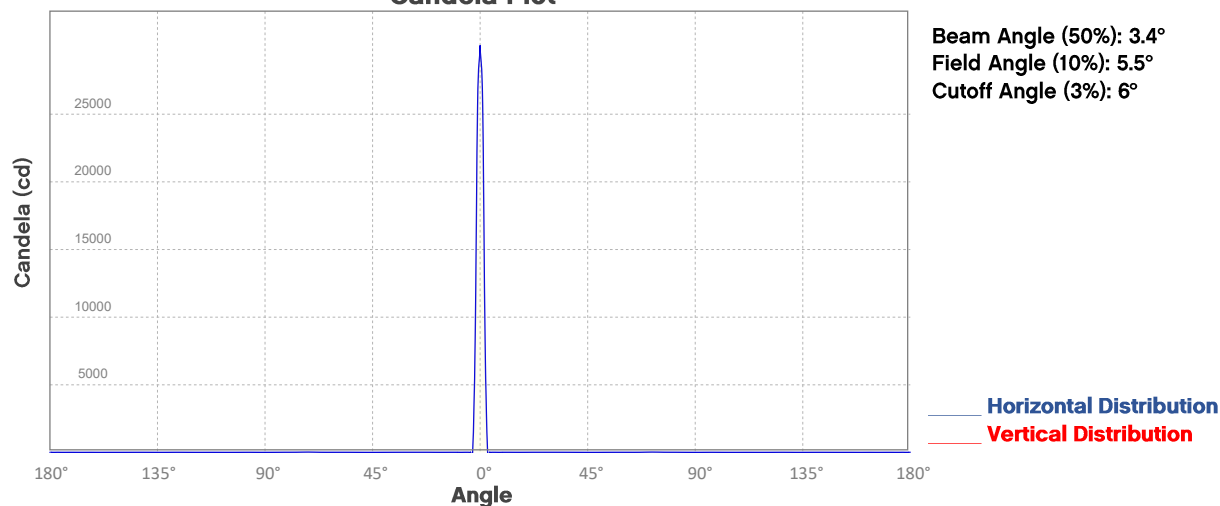
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	29650	7412	3294	1853	1186	824	605	463	366	296
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	245	206	175	151	132	116	103	92	82	74
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2755	689	306	172	110	77	56	43	34	28
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	23	19	16	14	12	11	10	9	8	7

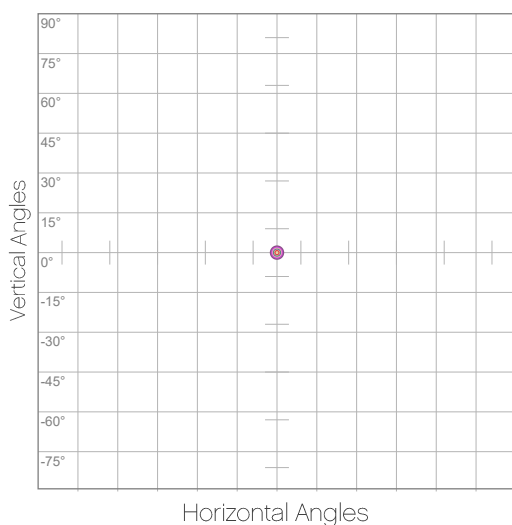
Photometric Report

Rogue R1 BW: Full Spot, Blue Only

Candela Plot



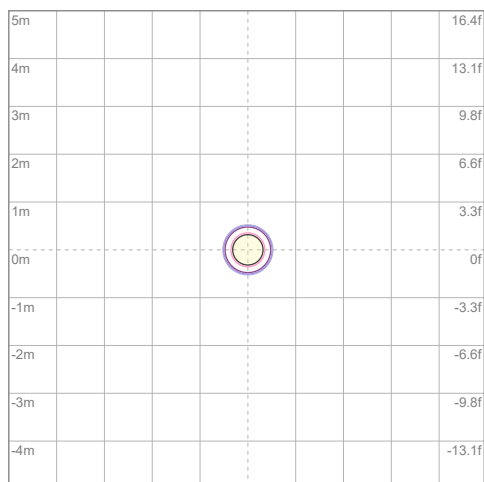
Polar Diagrams



iso-candela Diagram

10%	2965 cd
20%	5930 cd
30%	8895 cd
40%	11860 cd
50%	14825 cd
60%	17790 cd
70%	20755 cd
80%	23720 cd
90%	26685 cd

Conditions:
Number of c-planes: 2
Candela at center: 29650 cd



iso-illuminance Diagram

3%	8.89 lx
5%	14.8 lx
10%	29.6 lx
30%	88.9 lx
50%	148 lx

Conditions:
Number of c-planes: 2
Lux at center: 296 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, White Only

Report Summary

Output

Total Lumens: 641 lm

Peak Intensity: 166278 cd

Illuminance @ 5m: 6651 lux

Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 3.4°

Vertical Beam Angle (50%): 3.4°

Horizontal Field Angle (10%): 4.8°

Vertical Field Angle (10%): 4.8°

Horizontal Cutoff Angle (3%): 5.6°

Vertical Cutoff Angle (3%): 5.6°



Conditions

AC Supply: 121 V, 60.1 Hz

Power: 82.14 W

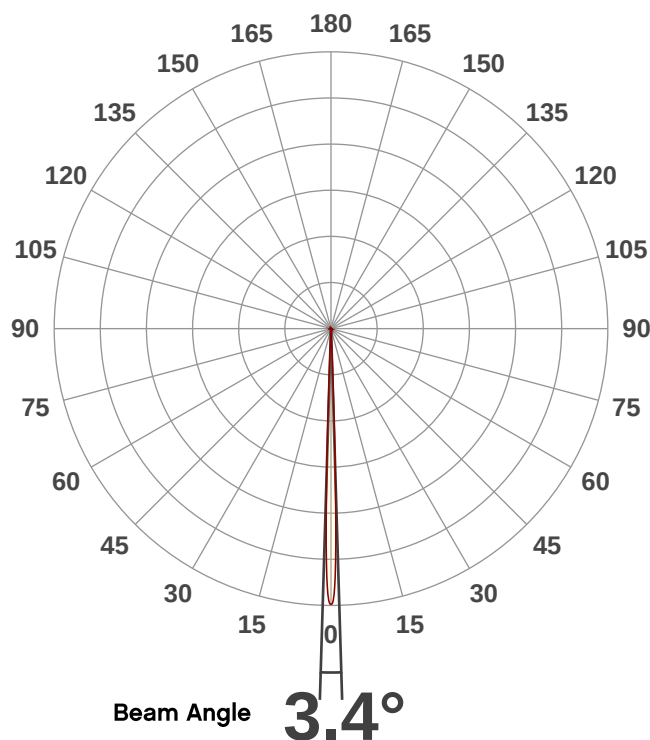
Current: 0.677 A

Power Factor: 0.98

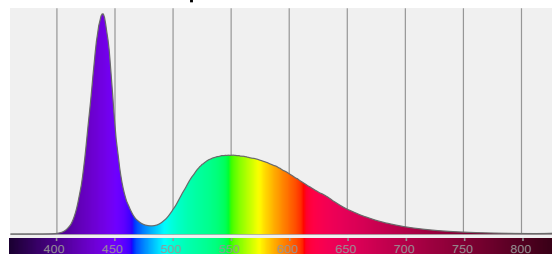
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Overall Measurement

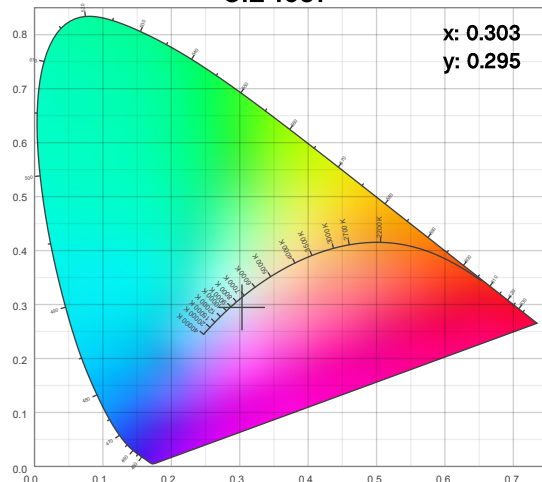
Angular Beam Distribution



Spectral Distribution



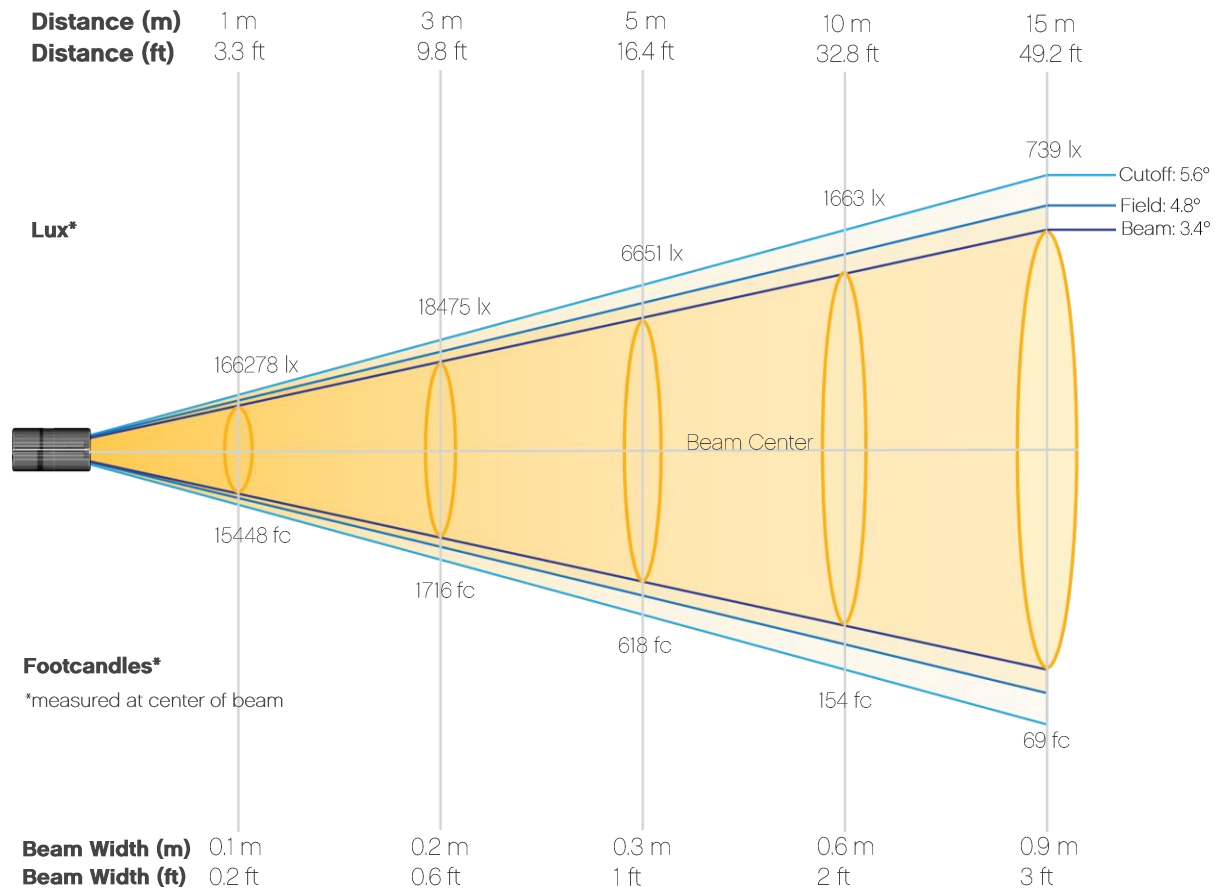
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, White Only

Beam Details



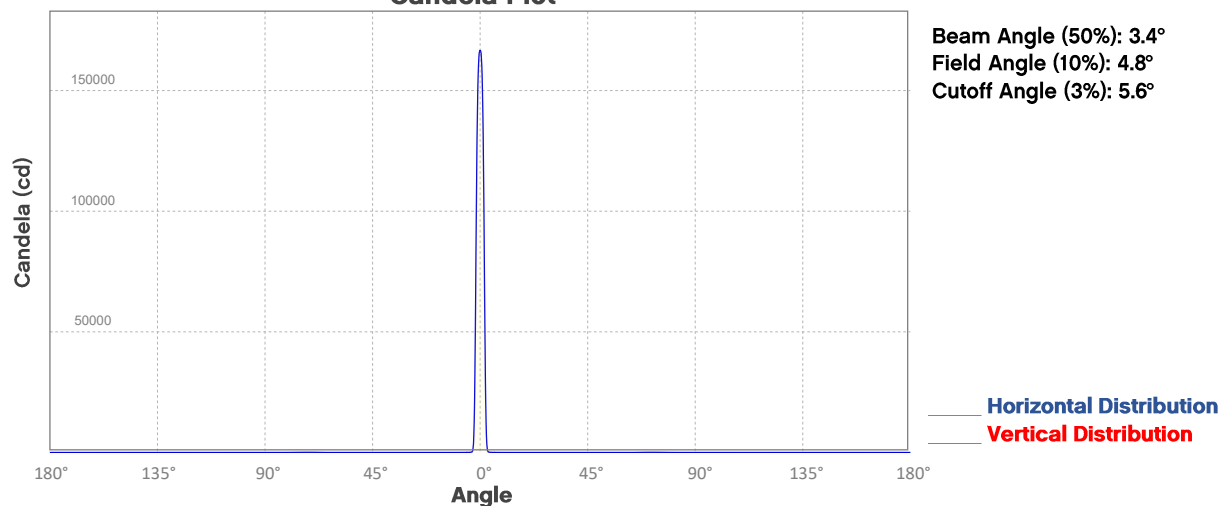
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	166278	41570	18475	10392	6651	4619	3393	2598	2053	1663
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1374	1155	984	848	739	650	575	513	461	416
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15448	3862	1716	965	618	429	315	241	191	154
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	128	107	91	79	69	60	53	48	43	39

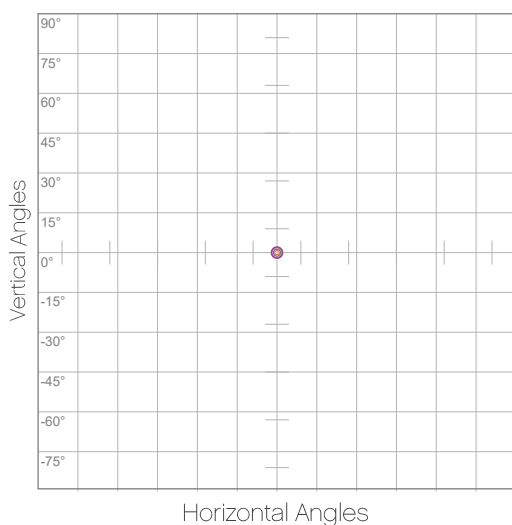
Photometric Report

Rogue R1 BW: Full Spot, White Only

Candela Plot



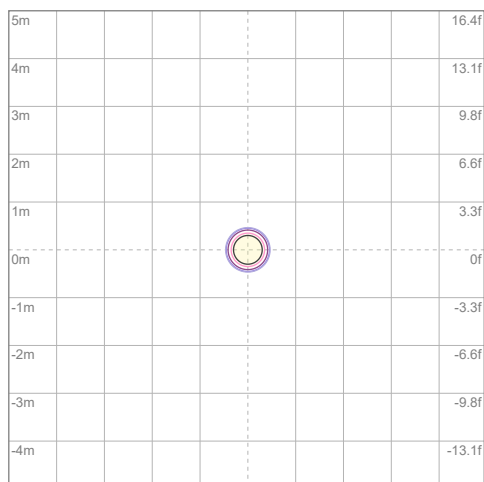
Polar Diagrams



iso-candela Diagram

10%	16628 cd
20%	33256 cd
30%	49883 cd
40%	66511 cd
50%	83139 cd
60%	99767 cd
70%	116395 cd
80%	133023 cd
90%	149650 cd

Conditions:
Number of c-planes: 2
Candela at center: 166278 cd



iso-illuminance Diagram

3%	49.9 lx
5%	83.1 lx
10%	166 lx
30%	499 lx
50%	831 lx

Conditions:
Number of c-planes: 2
Lux at center: 1663 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, 7500K

Report Summary

Output

Total Lumens: 1354 lm
Peak Intensity: 323021 cd
Illuminance @ 5m: 12921 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.4°
Vertical Beam Angle (50%): 3.4°
Horizontal Field Angle (10%): 4.9°
Vertical Field Angle (10%): 4.9°
Horizontal Cutoff Angle (3%): 5.8°
Vertical Cutoff Angle (3%): 5.8°



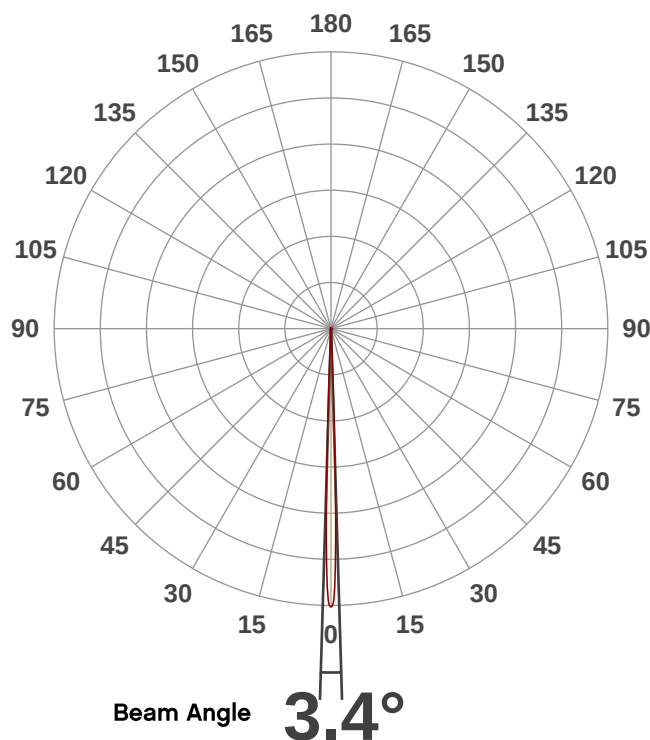
Conditions

AC Supply: 120 V, 60 Hz
Power: 209.73 W
Current: 1.75 A
Power Factor: 1.0

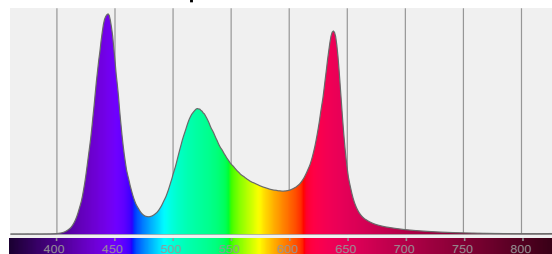
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Overall Measurement

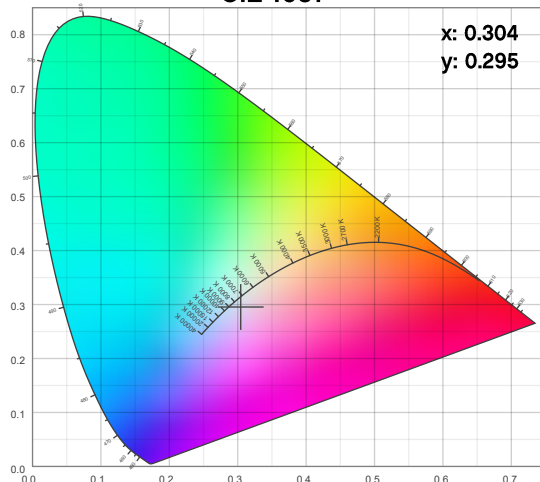
Angular Beam Distribution



Spectral Distribution



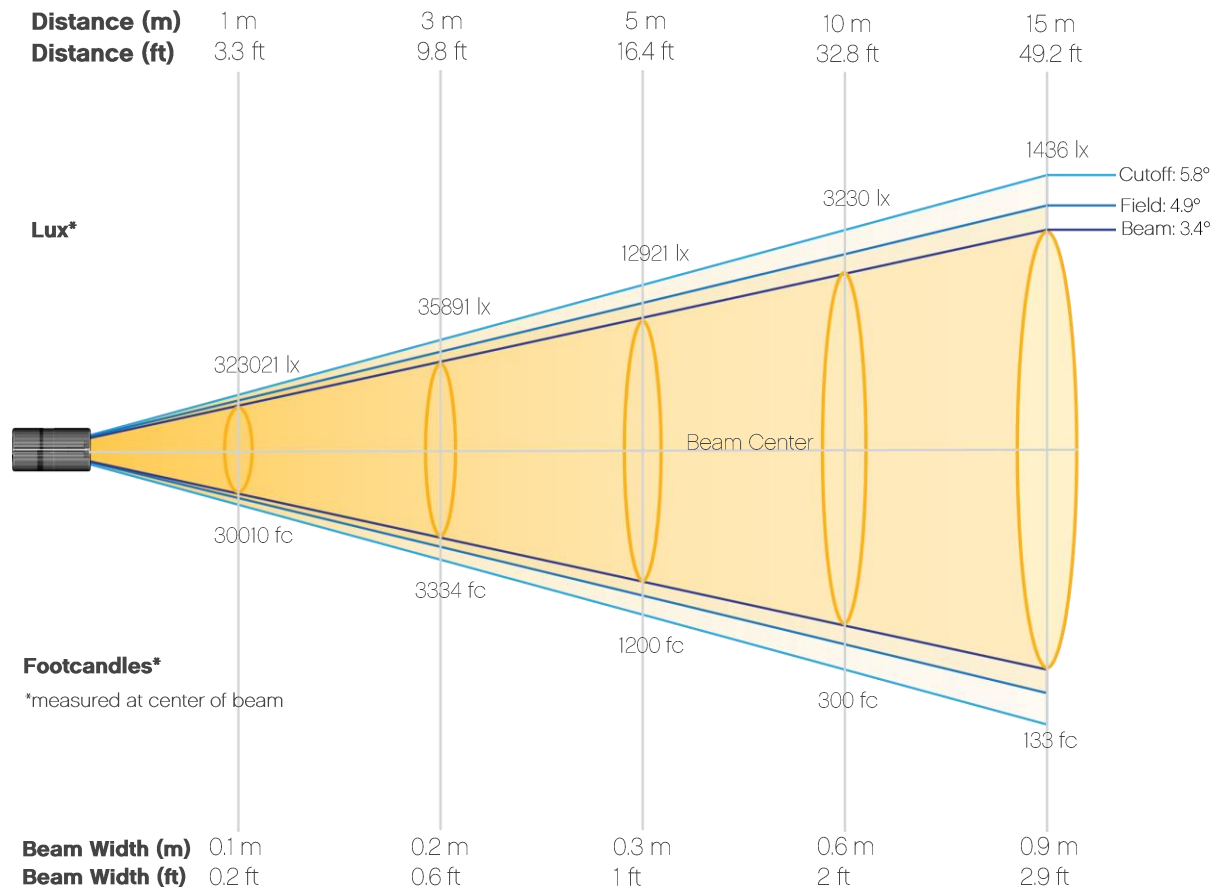
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, 7500K

Beam Details



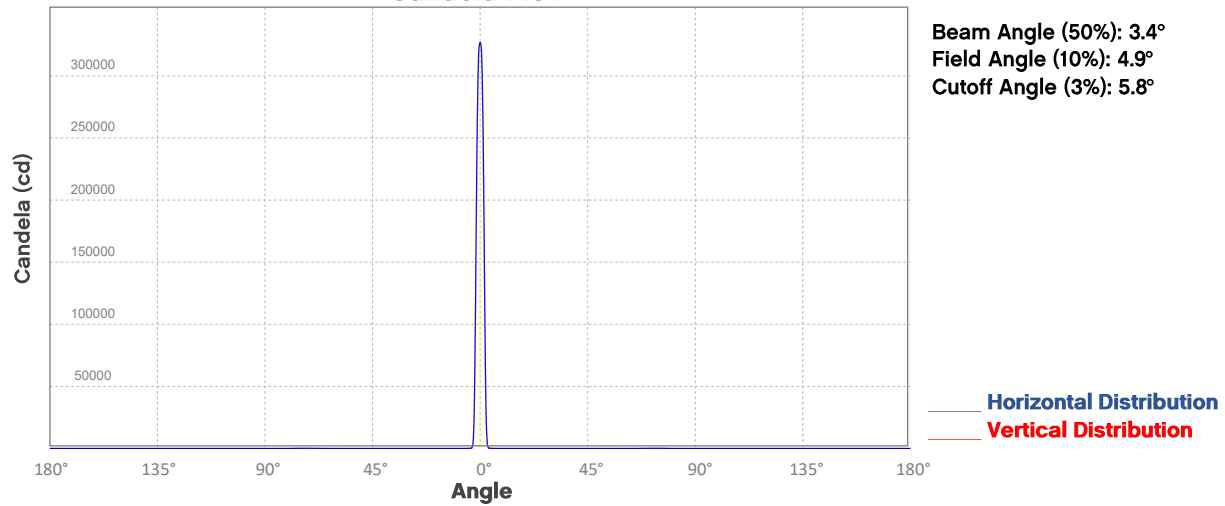
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	323021	80755	35891	20189	12921	8973	6592	5047	3988	3230
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2670	2243	1911	1648	1436	1262	1118	997	895	808
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30010	7502	3334	1876	1200	834	612	469	370	300
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	248	208	178	153	133	117	104	93	83	75

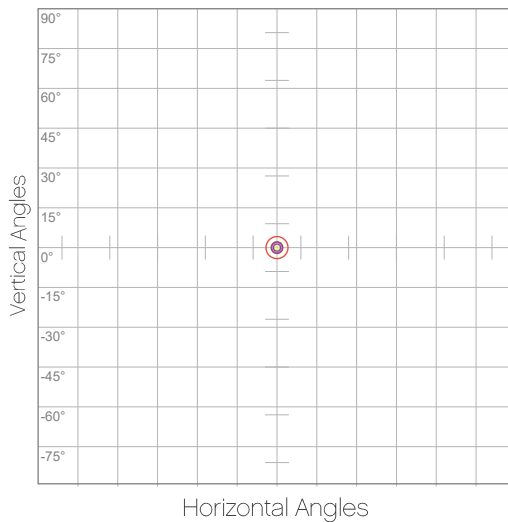
Photometric Report

Rogue R1 BW: Full Spot, 7500K

Candela Plot



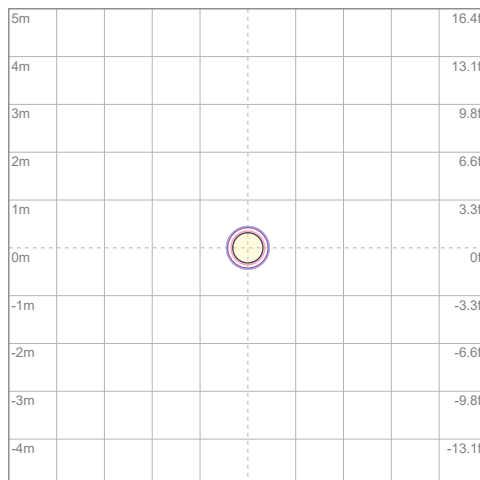
Polar Diagrams



iso-candela Diagram

10%	32302 cd
20%	64604 cd
30%	96906 cd
40%	129208 cd
50%	161510 cd
60%	193813 cd
70%	226115 cd
80%	258417 cd
90%	290719 cd

Conditions:
Number of c-planes: 2
Candela at center: 323021 cd



iso-illuminance Diagram

3%	96.9 lx
5%	162 lx
10%	323 lx
30%	969 lx
50%	1615 lx

Conditions:
Number of c-planes: 2
Lux at center: 3230 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Full Power

Report Summary

Output

Total Lumens: 3643 lm
Peak Intensity: 8958 cd
Illuminance @ 5m: 358 lux
Fixture Efficacy: 19 lm/W

Optical

Horizontal Beam Angle (50%): 37.5°
Vertical Beam Angle (50%): 37.5°
Horizontal Field Angle (10%): 57°
Vertical Field Angle (10%): 57°
Horizontal Cutoff Angle (3%): 67°
Vertical Cutoff Angle (3%): 67°



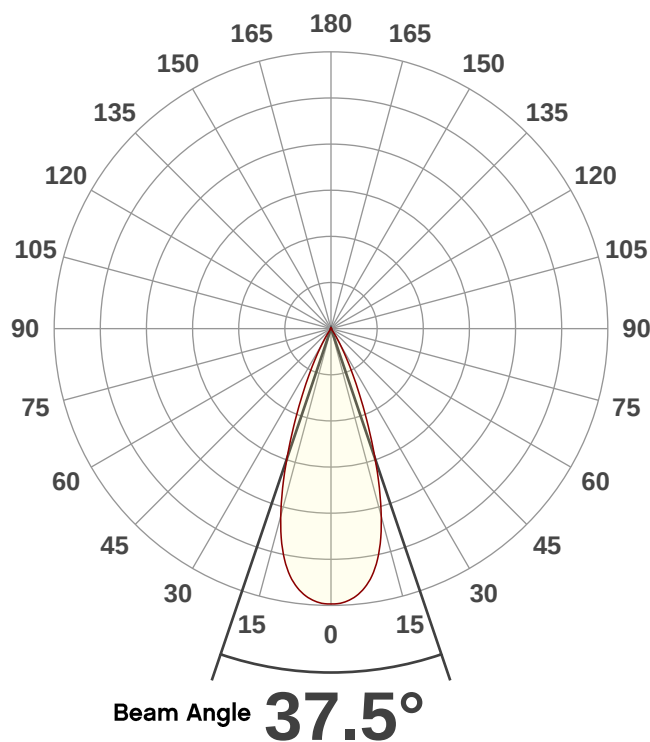
Conditions

AC Supply: 120 V, 60 Hz
Power: 195.0 W
Current: 1.63 A
Power Factor: 1.0

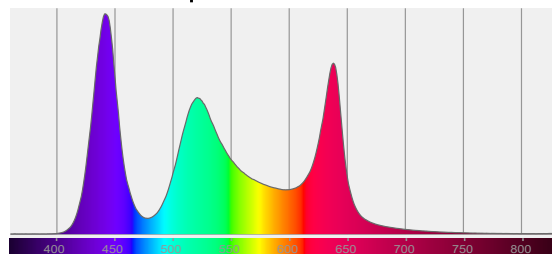
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Overall Measurement

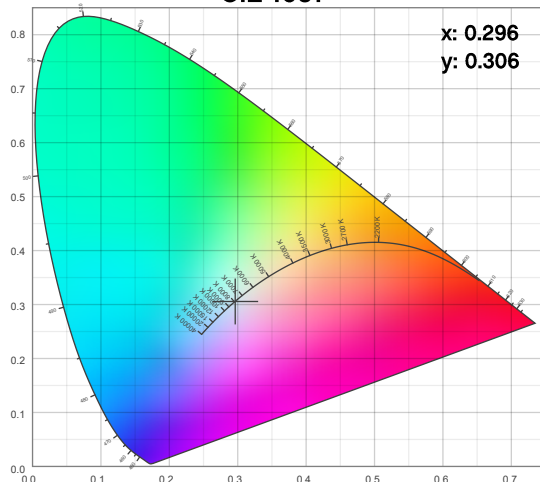
Angular Beam Distribution



Spectral Distribution



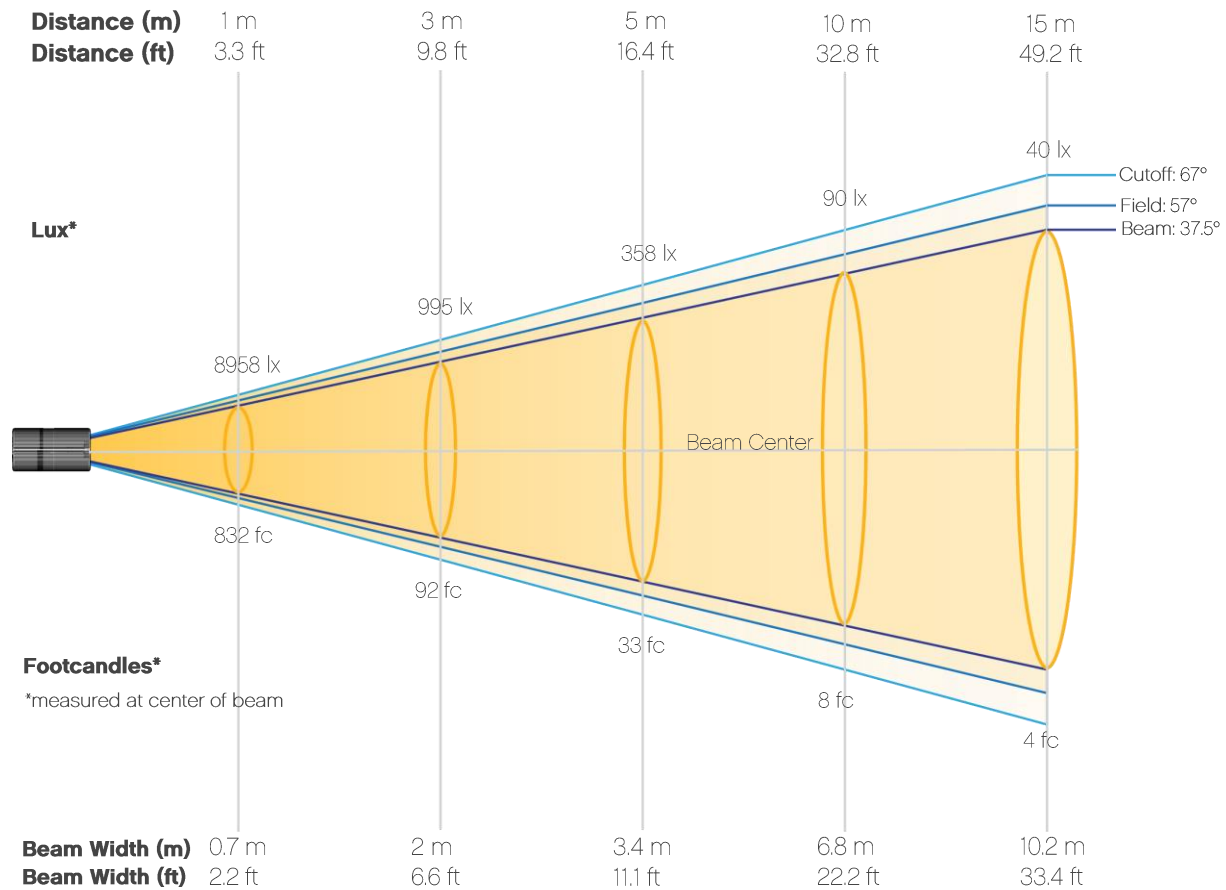
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Full Power

Beam Details



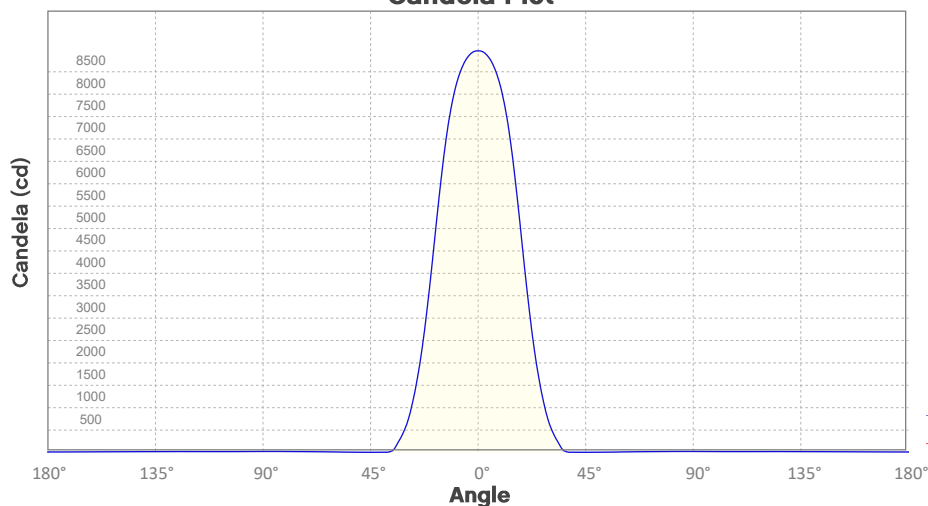
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8958	2239	995	560	358	249	183	140	111	90
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	74	62	53	46	40	35	31	28	25	22
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	832	208	92	52	33	23	17	13	10	8
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	7	6	5	4	4	3	3	3	2	2

Photometric Report

Rogue R1 BW: Full Flood, Full Power

Candela Plot



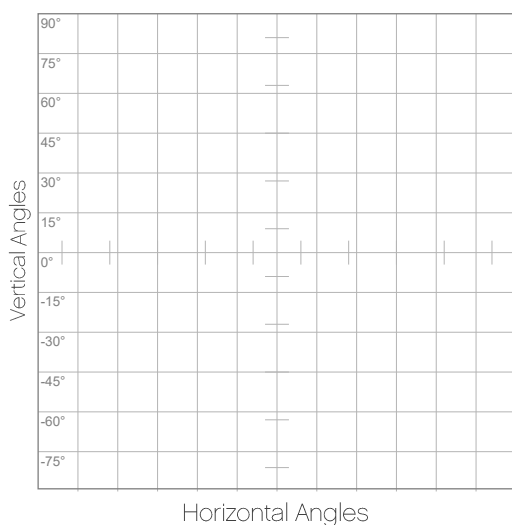
Beam Angle (50%): 37.5°

Field Angle (10%): 57°

Cutoff Angle (3%): 67°

— Horizontal Distribution
— Vertical Distribution

Polar Diagrams



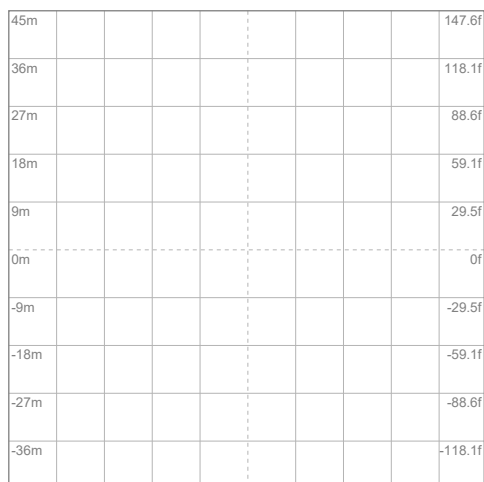
iso-candela Diagram

10%	896 cd
20%	1792 cd
30%	2687 cd
40%	3583 cd
50%	4479 cd
60%	5375 cd
70%	6270 cd
80%	7166 cd
90%	8062 cd

Conditions:

Number of c-planes: 2

Candela at center: 8958 cd



iso-illuminance Diagram

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

Conditions:

Number of c-planes: 2

Lux at center: 89.6 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Red Only

Report Summary

Output

Total Lumens: 766 lm

Peak Intensity: 2011 cd

Illuminance @ 5m: 80 lux

Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 35.9°

Vertical Beam Angle (50%): 35.9°

Horizontal Field Angle (10%): 55.7°

Vertical Field Angle (10%): 55.7°

Horizontal Cutoff Angle (3%): 66.7°

Vertical Cutoff Angle (3%): 66.7°



Conditions

AC Supply: 120 V, 60 Hz

Power: 70.59 W

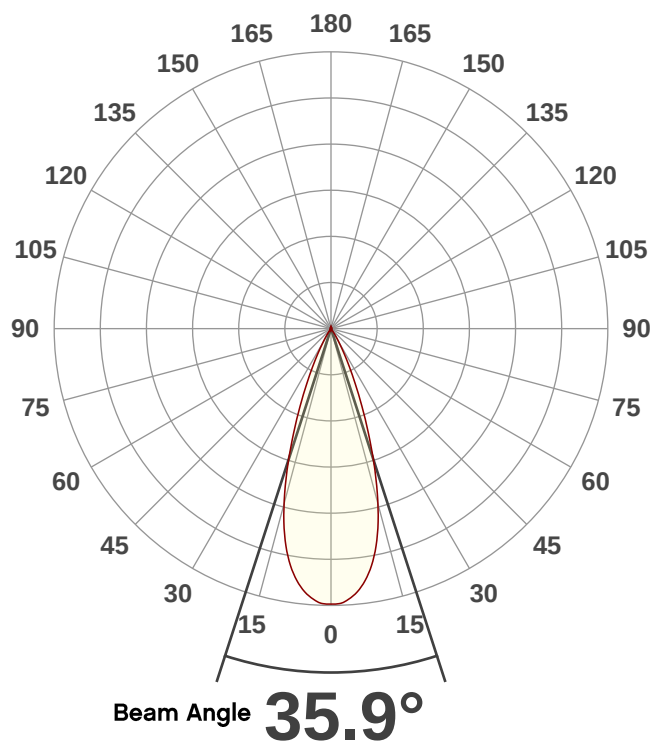
Current: 0.586 A

Power Factor: 0.97

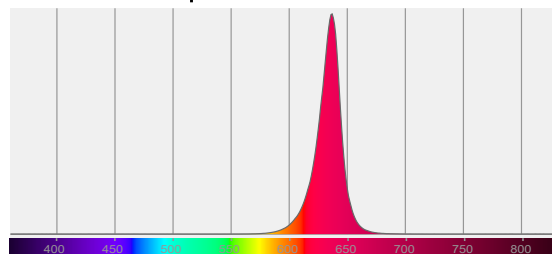
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Overall Measurement

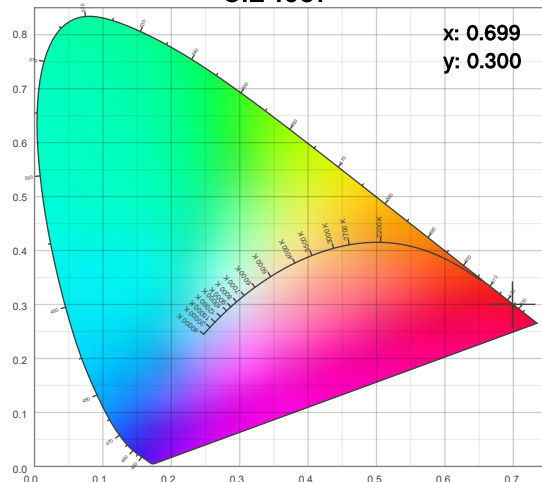
Angular Beam Distribution



Spectral Distribution



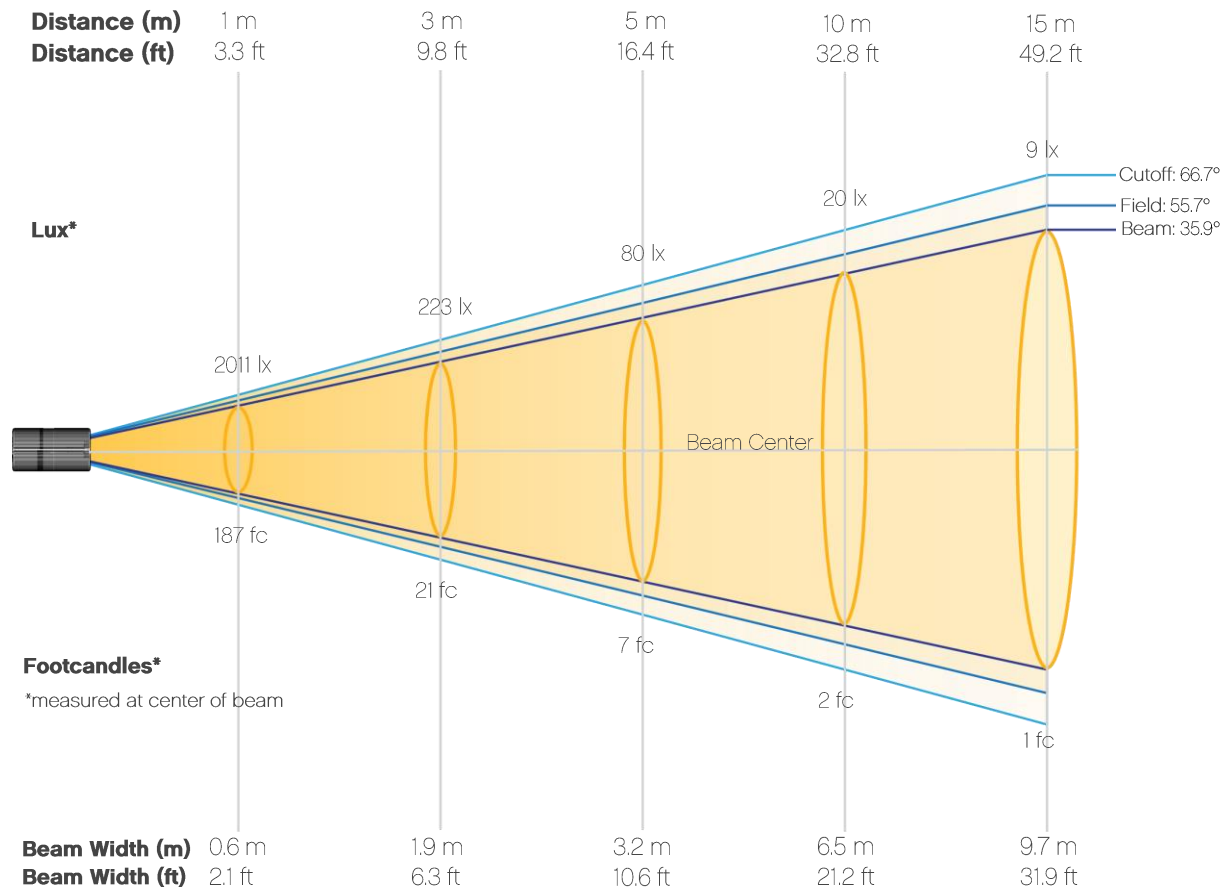
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Red Only

Beam Details



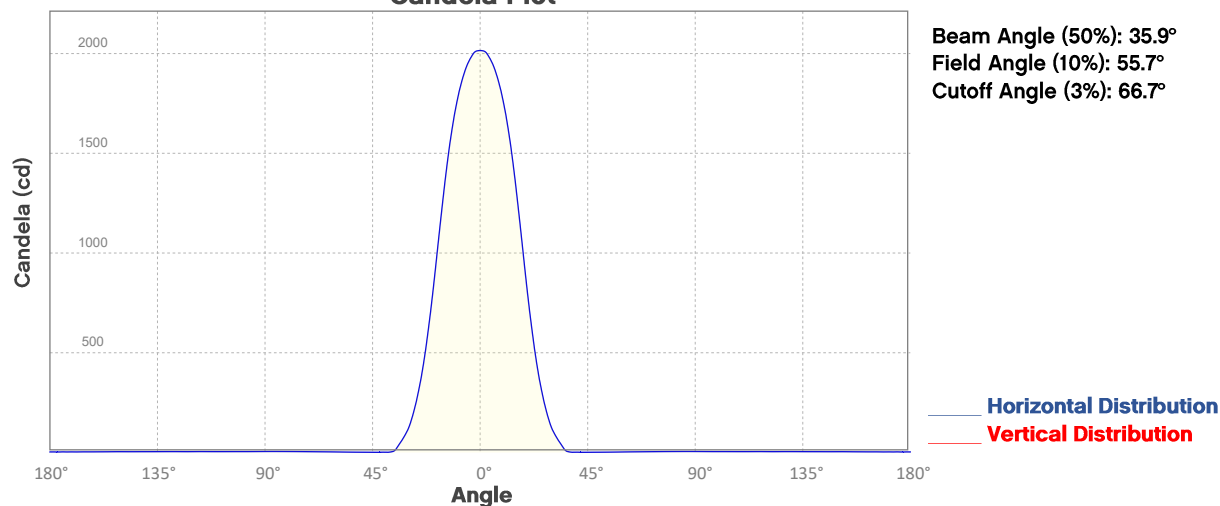
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2011	503	223	126	80	56	41	31	25	20
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	17	14	12	10	9	8	7	6	6	5
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	187	47	21	12	7	5	4	3	2	2
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2	1	1	1	1	1	1	1	1	0

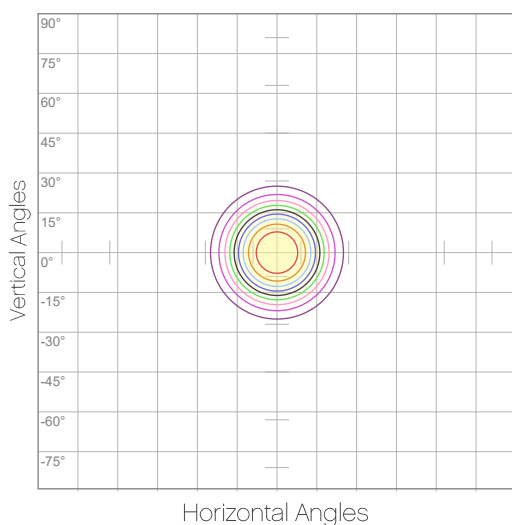
Photometric Report

Rogue R1 BW: Full Flood, Red Only

Candela Plot



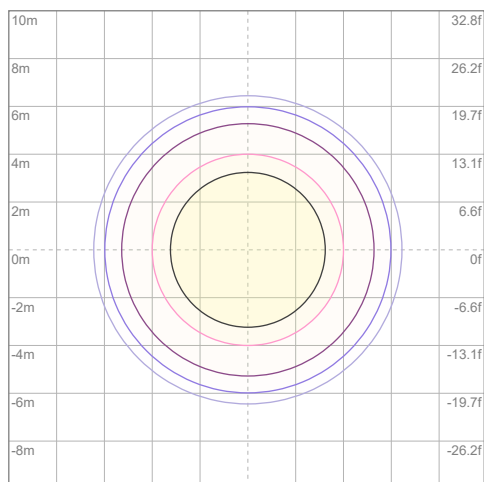
Polar Diagrams



iso-candela Diagram

10%	201 cd
20%	402 cd
30%	603 cd
40%	805 cd
50%	1006 cd
60%	1207 cd
70%	1408 cd
80%	1609 cd
90%	1810 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 2011 cd



iso-illuminance Diagram

3%	0.603 lx
5%	1.01 lx
10%	2.01 lx
30%	6.03 lx
50%	10.1 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 20.1 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Green Only

Report Summary

Output

Total Lumens: 1312 lm

Peak Intensity: 3307 cd

Illuminance @ 5m: 132 lux

Fixture Efficacy: 14 lm/W

Optical

Horizontal Beam Angle (50%): 36.8°

Vertical Beam Angle (50%): 36.8°

Horizontal Field Angle (10%): 56.5°

Vertical Field Angle (10%): 56.5°

Horizontal Cutoff Angle (3%): 66.8°

Vertical Cutoff Angle (3%): 66.8°



Conditions

AC Supply: 120 V, 60 Hz

Power: 94.86 W

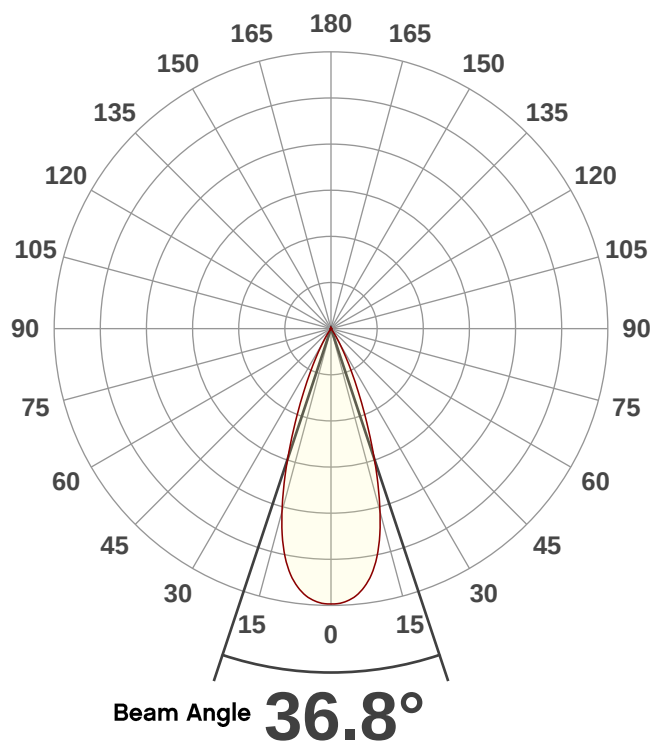
Current: 0.789 A

Power Factor: 0.98

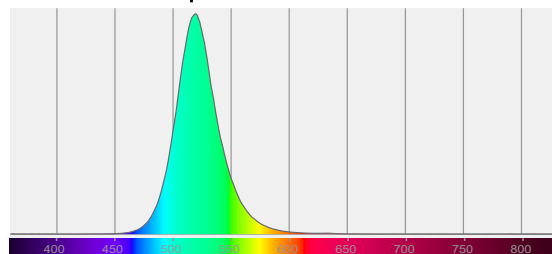
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Overall Measurement

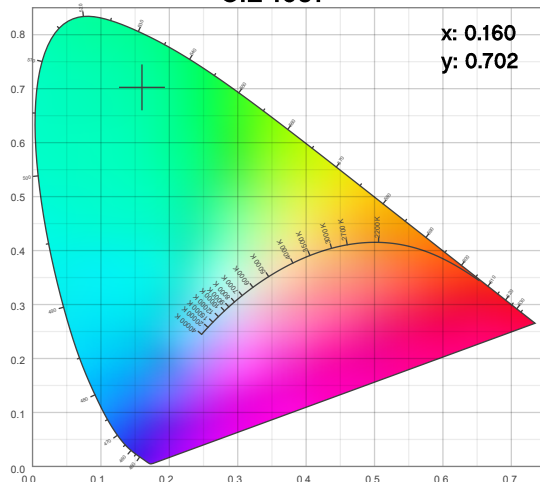
Angular Beam Distribution



Spectral Distribution



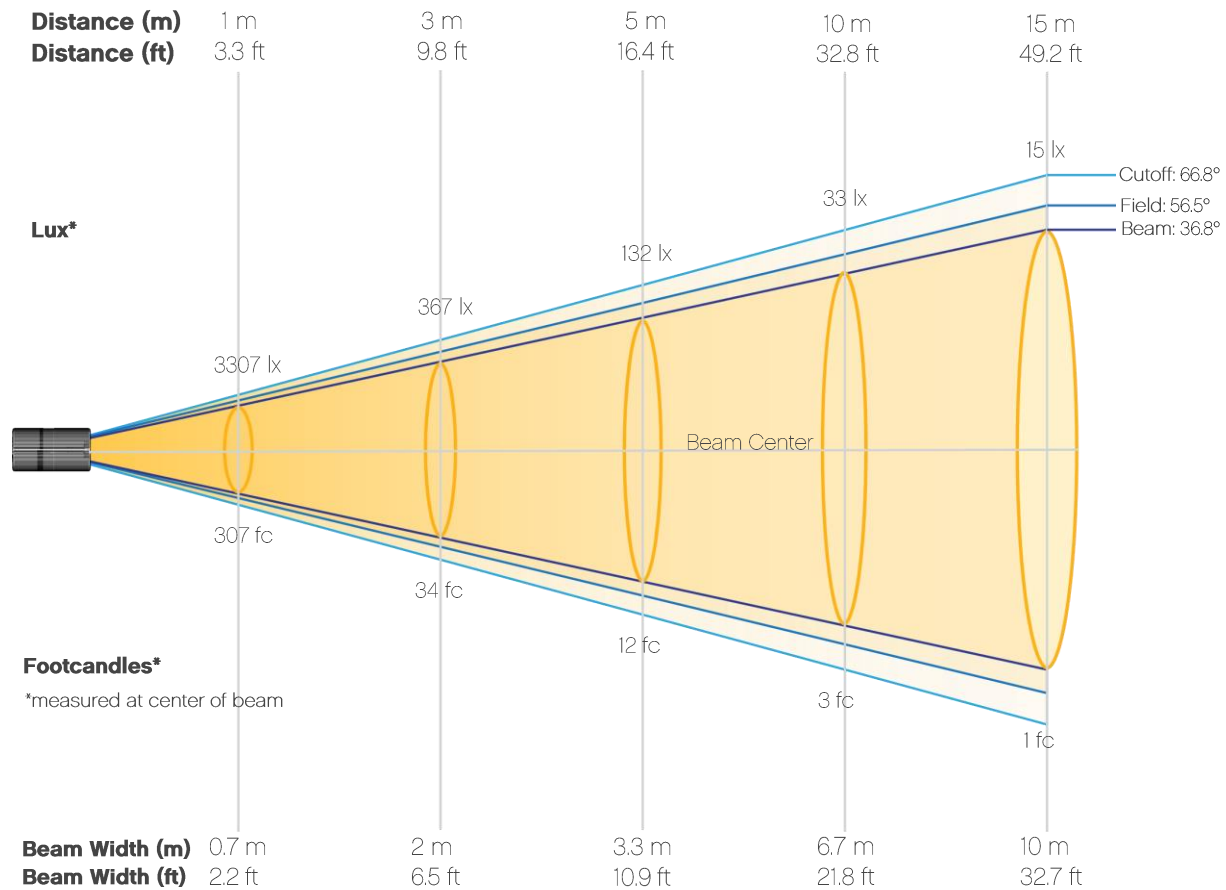
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Green Only

Beam Details



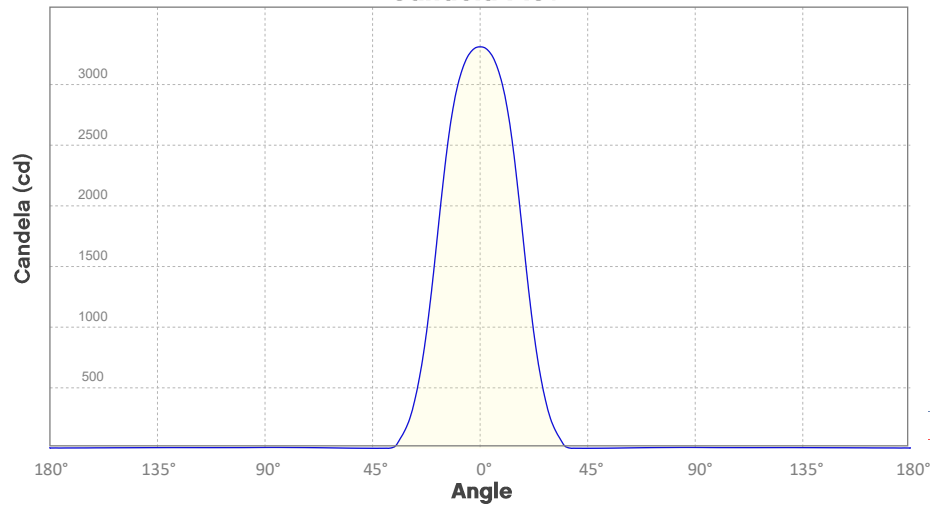
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3307	827	367	207	132	92	67	52	41	33
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	27	23	20	17	15	13	11	10	9	8
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	307	77	34	19	12	9	6	5	4	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	2	2	2	1	1	1	1	1	1

Photometric Report

Rogue R1 BW: Full Flood, Green Only

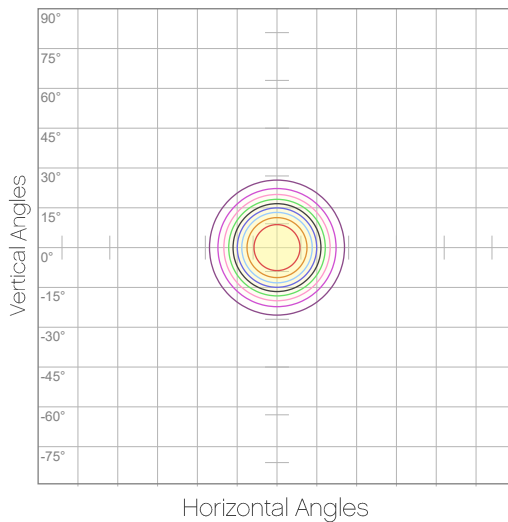
Candela Plot



Beam Angle (50%): 36.8°
Field Angle (10%): 56.5°
Cutoff Angle (3%): 66.8°

— Horizontal Distribution
— Vertical Distribution

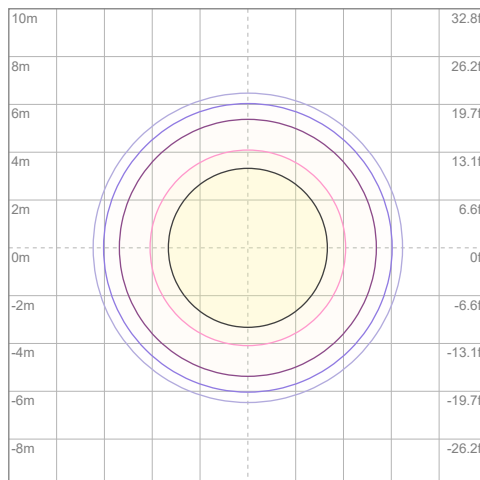
Polar Diagrams



iso-candela Diagram

10%	331 cd
20%	661 cd
30%	992 cd
40%	1323 cd
50%	1654 cd
60%	1984 cd
70%	2315 cd
80%	2646 cd
90%	2977 cd

Conditions:
Number of c-planes: 2
Candela at center: 3307 cd



iso-illuminance Diagram

3%	0.992 lx
5%	1.65 lx
10%	3.31 lx
30%	9.92 lx
50%	16.5 lx

Conditions:
Number of c-planes: 2
Lux at center: 33.1 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, Blue Only

Report Summary

Output

Total Lumens: 368 lm

Peak Intensity: 893 cd

Illuminance @ 5m: 36 lux

Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 36.6°

Vertical Beam Angle (50%): 36.6°

Horizontal Field Angle (10%): 56.6°

Vertical Field Angle (10%): 56.6°

Horizontal Cutoff Angle (3%): 66.7°

Vertical Cutoff Angle (3%): 66.7°



Conditions

AC Supply: 120 V, 60 Hz

Power: 83.25 W

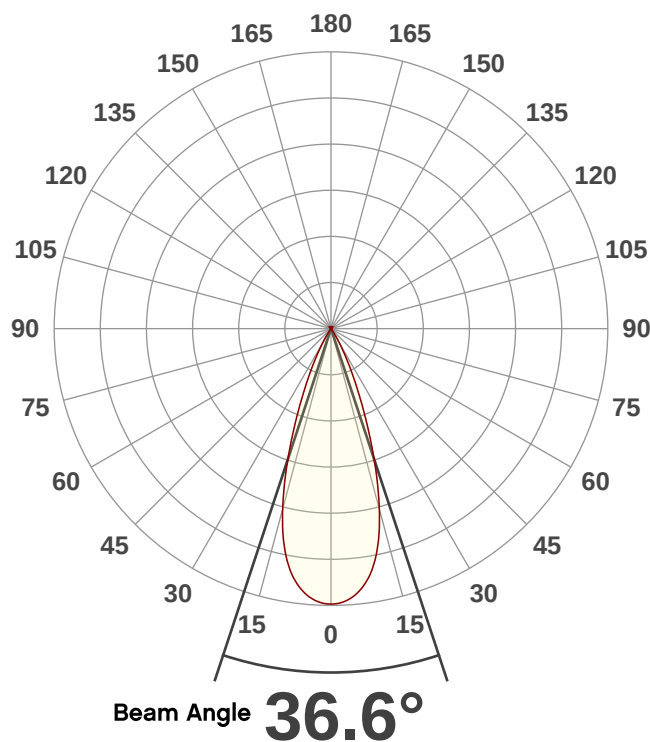
Current: 0.691 A

Power Factor: 0.98

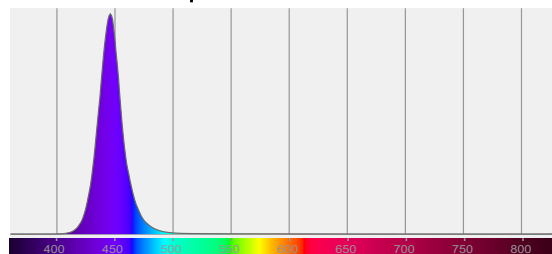
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/28/2019 to LM-63-2002 Standards.

Overall Measurement

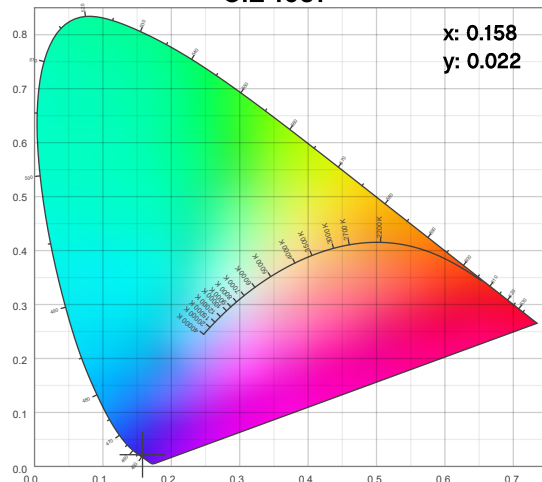
Angular Beam Distribution



Spectral Distribution



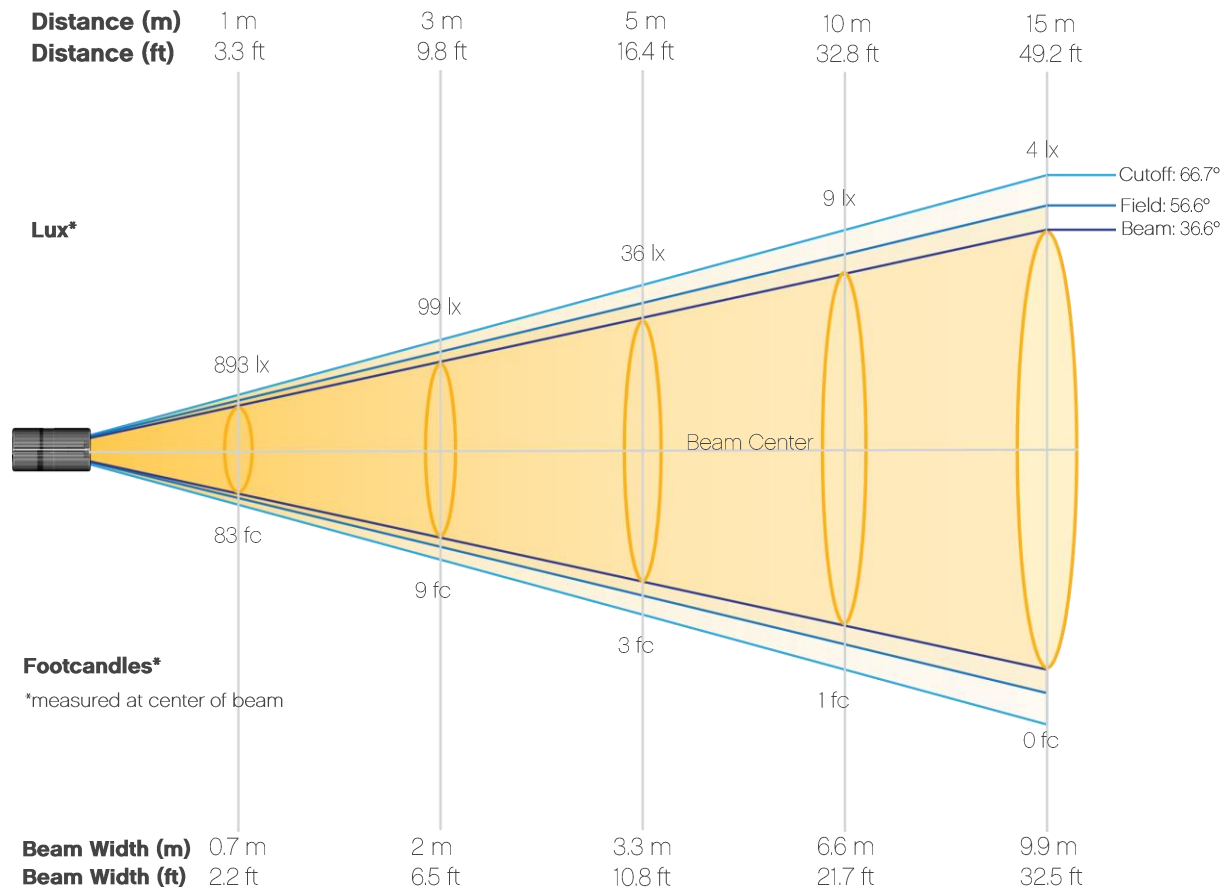
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, Blue Only

Beam Details



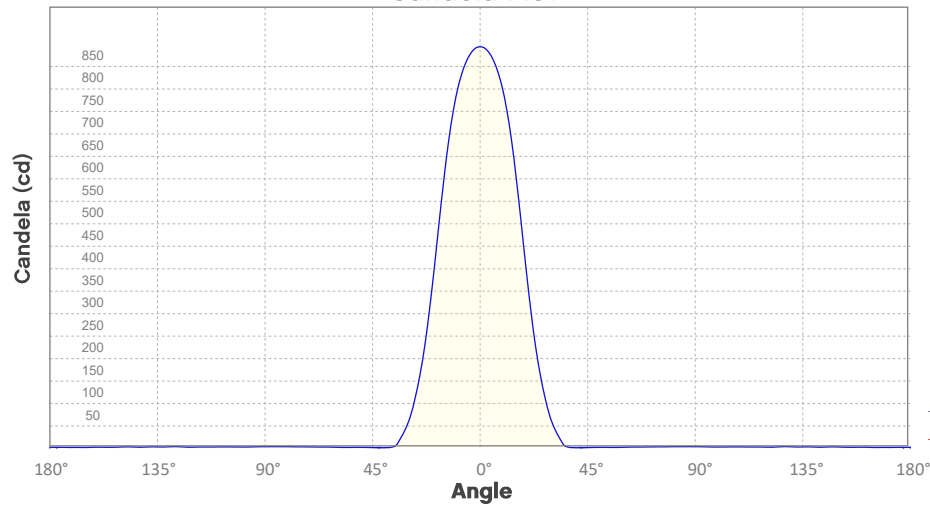
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	893	223	99	56	36	25	18	14	11	9
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	7	6	5	5	4	3	3	3	2	2
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	83	21	9	5	3	2	2	1	1	1
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	0	0	0	0	0	0	0	0

Photometric Report

Rogue R1 BW: Full Flood, Blue Only

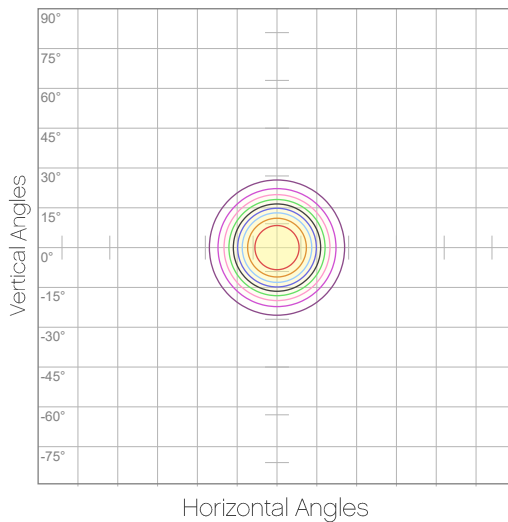
Candela Plot



Beam Angle (50%): 36.6°
Field Angle (10%): 56.6°
Cutoff Angle (3%): 66.7°

— Horizontal Distribution
— Vertical Distribution

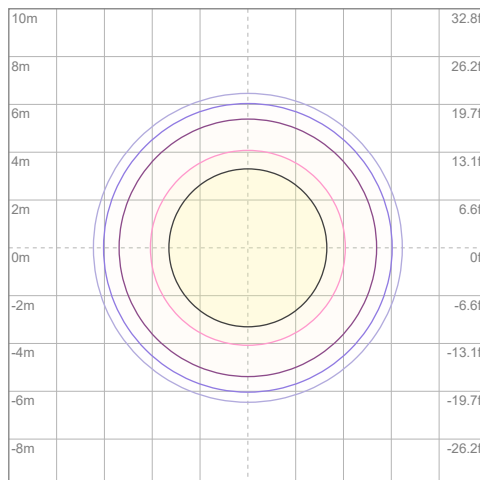
Polar Diagrams



iso-candela Diagram

10%	89 cd
20%	179 cd
30%	268 cd
40%	357 cd
50%	446 cd
60%	536 cd
70%	625 cd
80%	714 cd
90%	804 cd

Conditions:
Number of c-planes: 2
Candela at center: 893 cd



iso-illuminance Diagram

3%	0.268 lx
5%	0.446 lx
10%	0.893 lx
30%	2.68 lx
50%	4.46 lx

Conditions:
Number of c-planes: 2
Lux at center: 8.93 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Flood, White Only

Report Summary

Output

Total Lumens: 1937 lm
Peak Intensity: 4612 cd
Illuminance @ 5m: 184 lux
Fixture Efficacy: 24 lm/W

Optical

Horizontal Beam Angle (50%): 38.3°
Vertical Beam Angle (50%): 38.3°
Horizontal Field Angle (10%): 57.4°
Vertical Field Angle (10%): 57.4°
Horizontal Cutoff Angle (3%): 67.2°
Vertical Cutoff Angle (3%): 67.2°



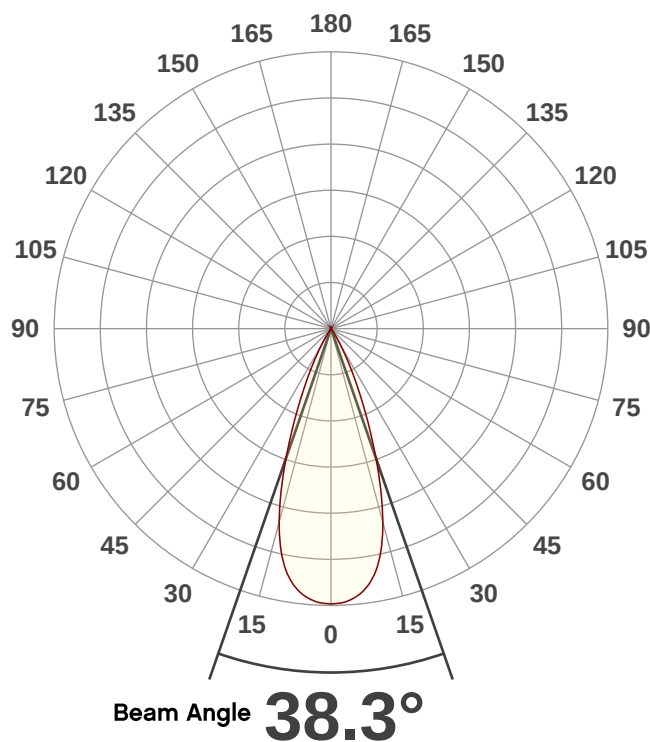
Conditions

AC Supply: 120 V, 60 Hz
Power: 82.52 W
Current: 0.686 A
Power Factor: 0.98

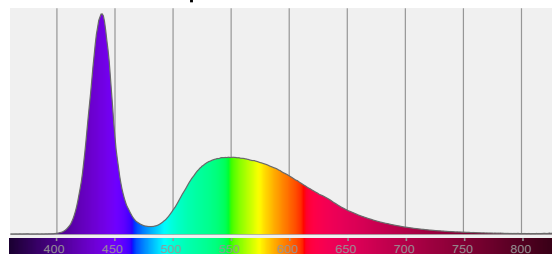
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Overall Measurement

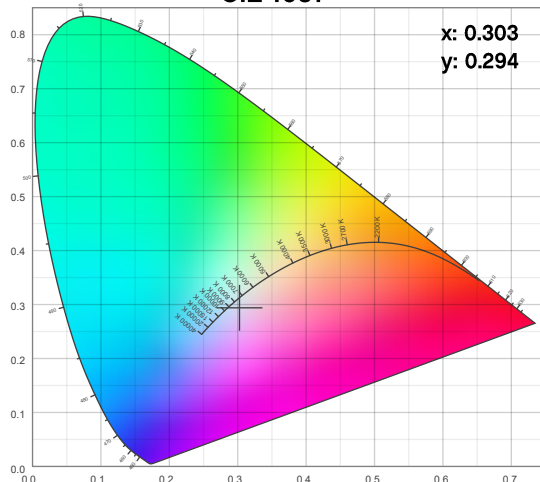
Angular Beam Distribution



Spectral Distribution



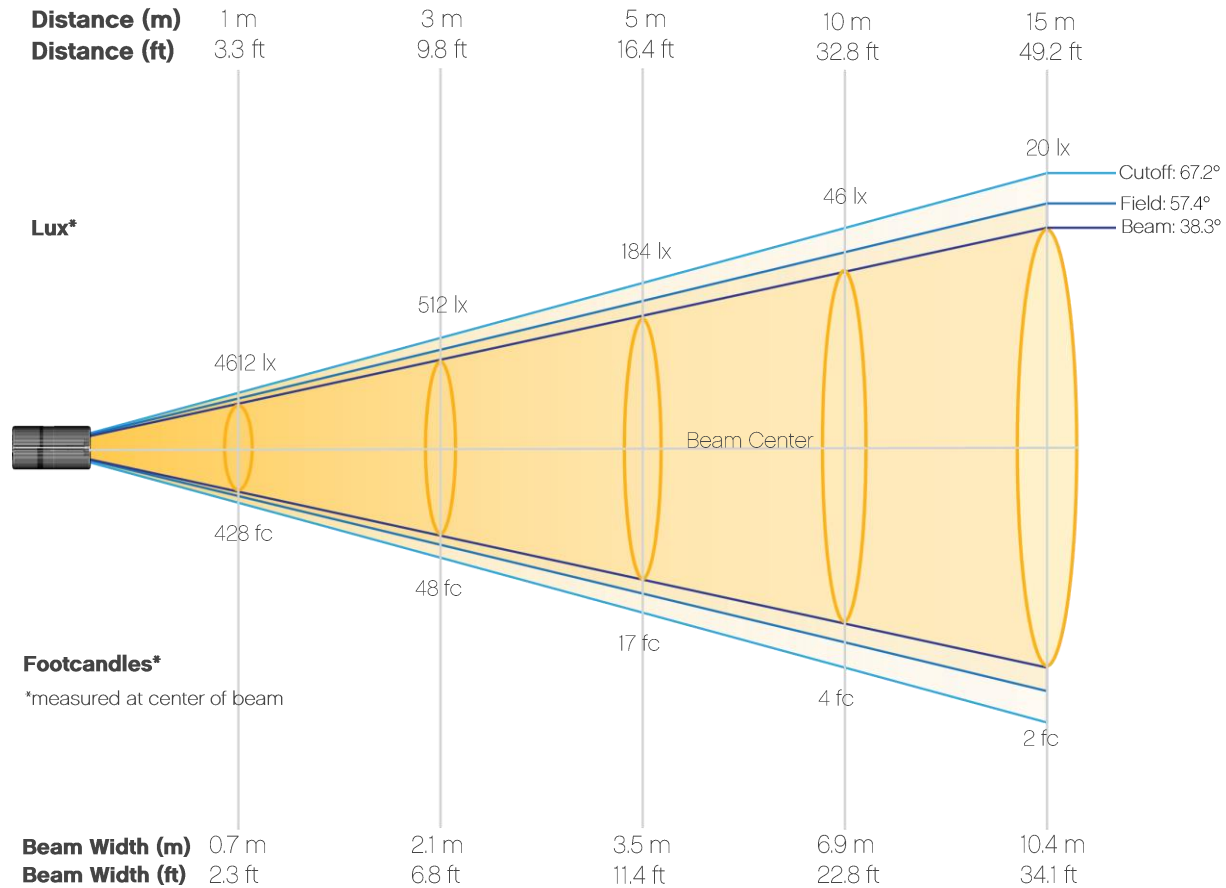
CIE 1931



Photometric Report

Rogue R1 BW: Full Flood, White Only

Beam Details



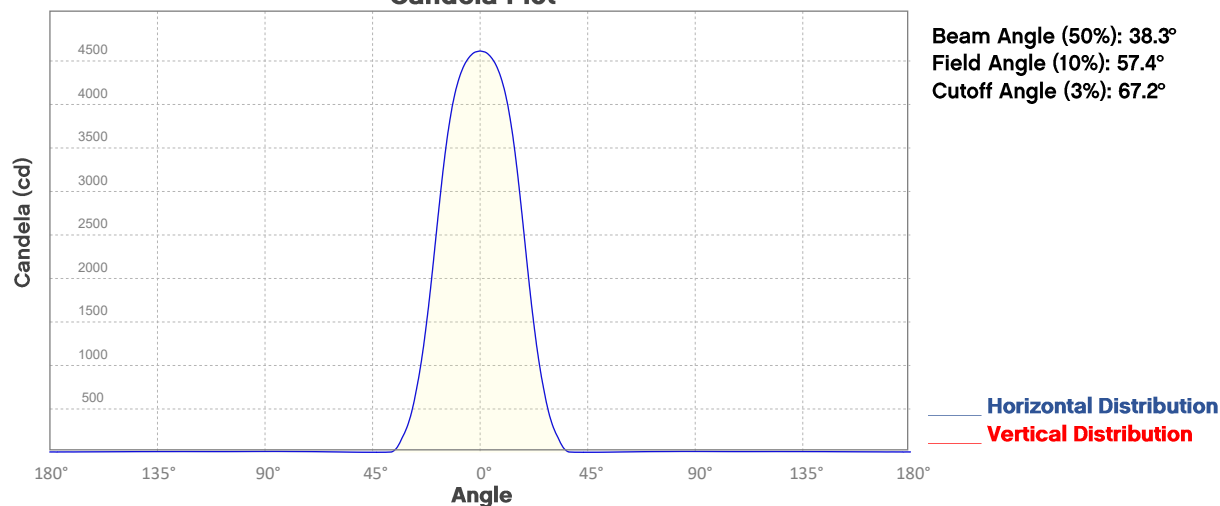
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4612	1153	512	288	184	128	94	72	57	46
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	38	32	27	24	20	18	16	14	13	12
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	428	107	48	27	17	12	9	7	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	4	3	3	2	2	2	1	1	1	1

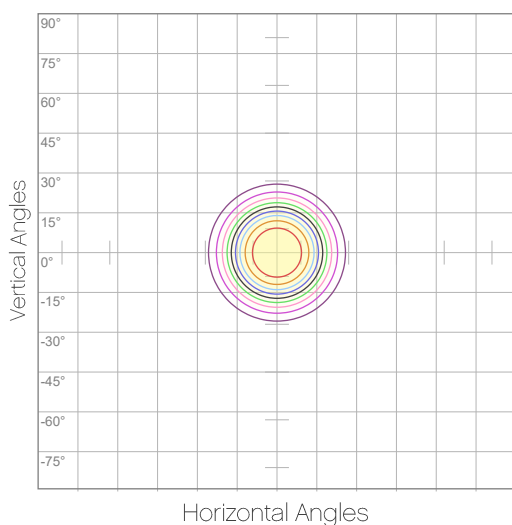
Photometric Report

Rogue R1 BW: Full Flood, White Only

Candela Plot



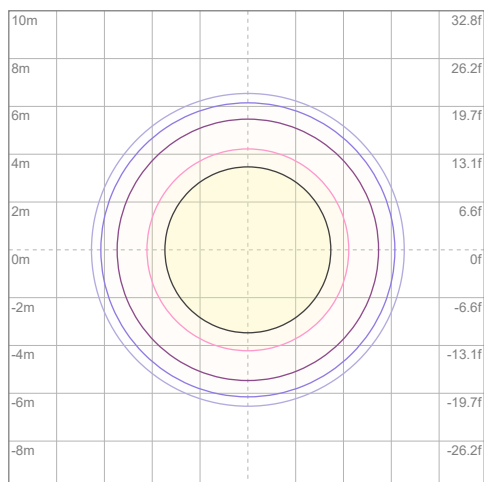
Polar Diagrams



iso-candela Diagram

10%	461 cd
20%	922 cd
30%	1383 cd
40%	1845 cd
50%	2306 cd
60%	2767 cd
70%	3228 cd
80%	3689 cd
90%	4150 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 4612 cd



iso-illuminance Diagram

3%	1.38 lx
5%	2.31 lx
10%	4.61 lx
30%	13.8 lx
50%	23.1 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 46.1 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Full Power

Report Summary

Output

Total Lumens: 2645 lm

Peak Intensity: 33399 cd

Illuminance @ 5m: 1336 lux

Fixture Efficacy: 13 lm/W

Optical

Horizontal Beam Angle (50%): 17.1°

Vertical Beam Angle (50%): 17.1°

Horizontal Field Angle (10%): 22.8°

Vertical Field Angle (10%): 22.8°

Horizontal Cutoff Angle (3%): 25.4°

Vertical Cutoff Angle (3%): 25.4°



Conditions

AC Supply: 121 V, 60 Hz

Power: 196.6 W

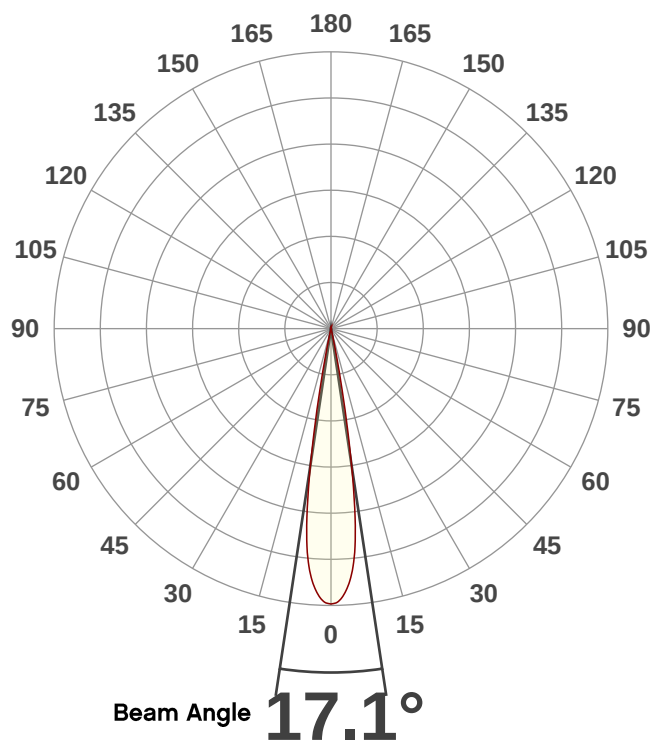
Current: 1.63 A

Power Factor: 1.0

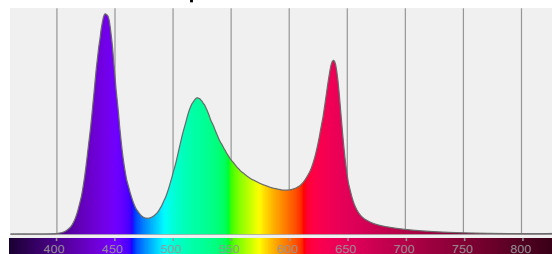
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Overall Measurement

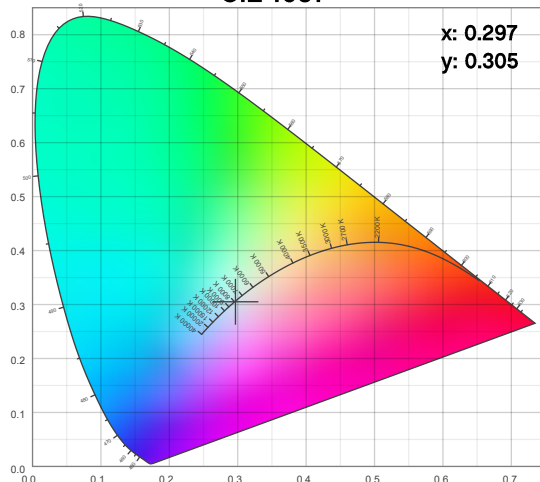
Angular Beam Distribution



Spectral Distribution



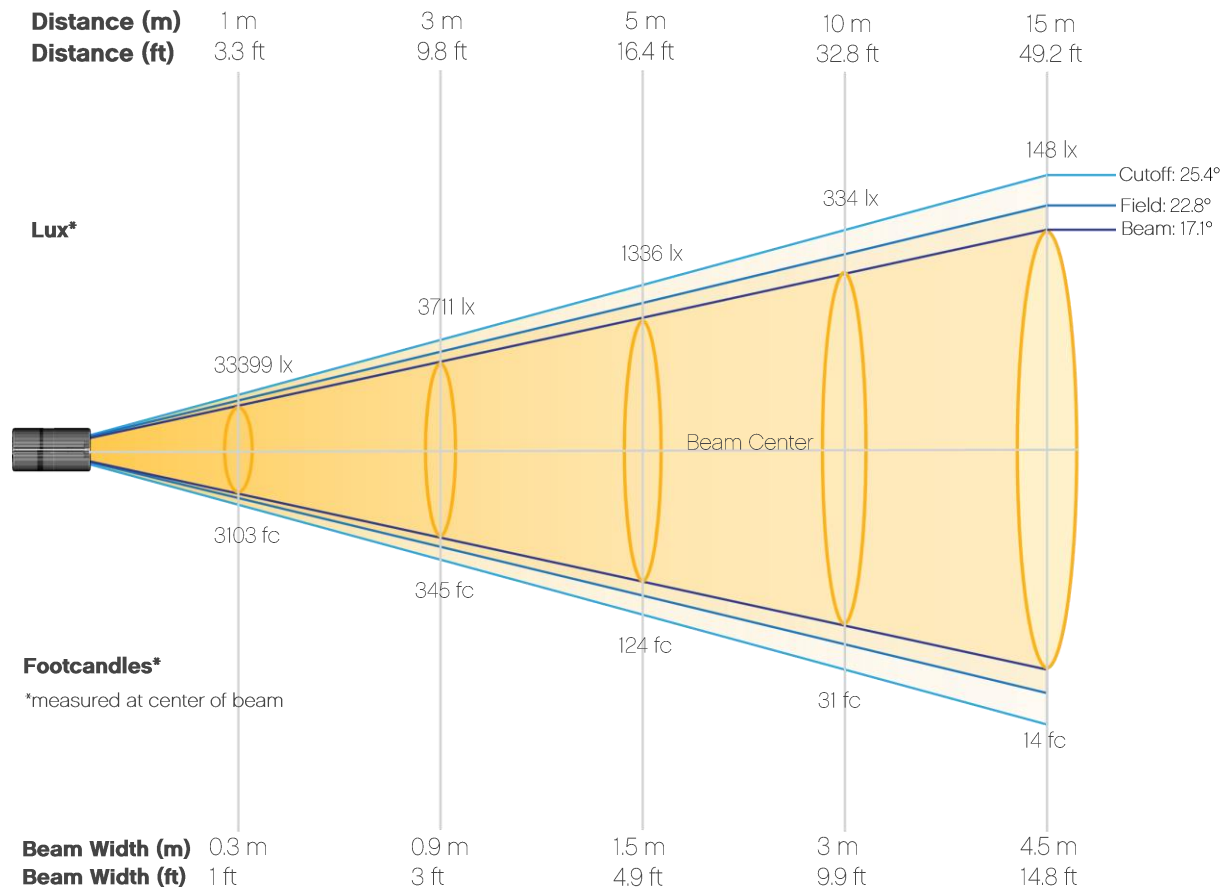
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Full Power

Beam Details



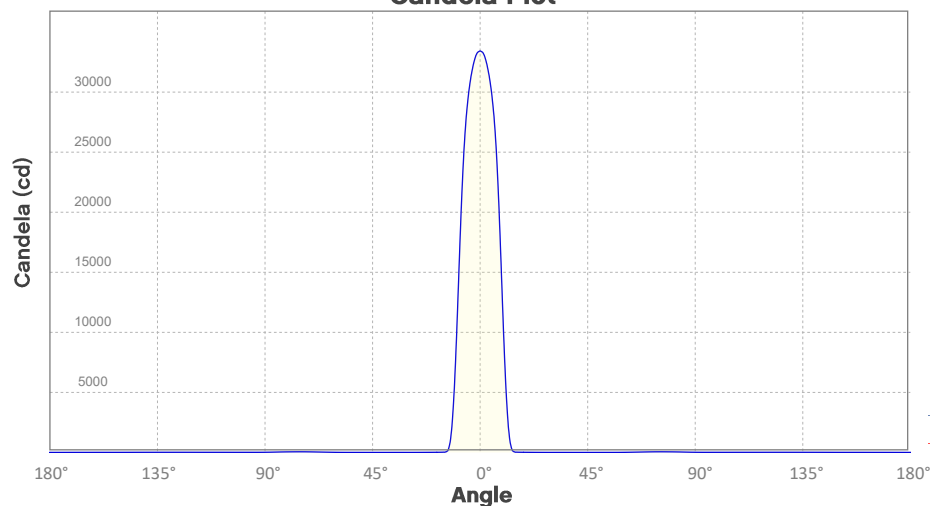
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	33399	8350	3711	2087	1336	928	682	522	412	334
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	276	232	198	170	148	130	116	103	93	83
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3103	776	345	194	124	86	63	48	38	31
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	26	22	18	16	14	12	11	10	9	8

Photometric Report

Rogue R1 BW: 50% Zoom, Full Power

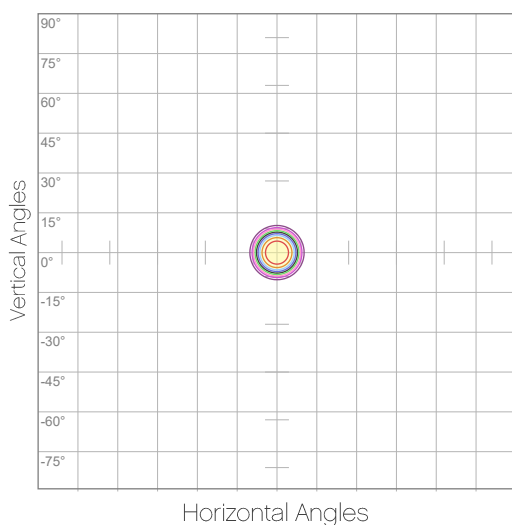
Candela Plot



Beam Angle (50%): 17.1°
Field Angle (10%): 22.8°
Cutoff Angle (3%): 25.4°

— Horizontal Distribution
— Vertical Distribution

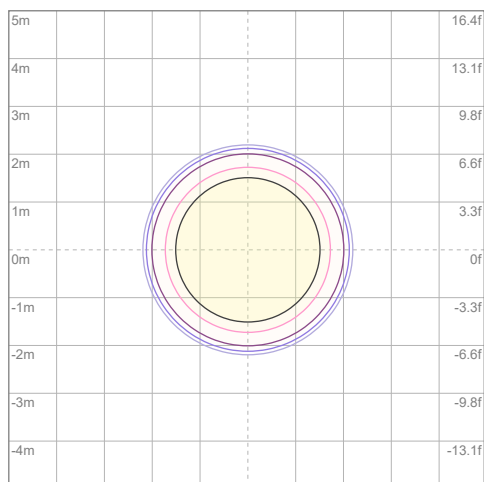
Polar Diagrams



iso-candela Diagram

10%	3340 cd
20%	6680 cd
30%	10020 cd
40%	13360 cd
50%	16699 cd
60%	20039 cd
70%	23379 cd
80%	26719 cd
90%	30059 cd

Conditions:
Number of c-planes: 2
Candela at center: 33399 cd



iso-illuminance Diagram

3%	10.0 lx
5%	16.7 lx
10%	33.4 lx
30%	100 lx
50%	167 lx

Conditions:
Number of c-planes: 2
Lux at center: 334 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Red Only

Report Summary

Output

Total Lumens: 580 lm

Peak Intensity: 7350 cd

Illuminance @ 5m: 294 lux

Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 16.9°

Vertical Beam Angle (50%): 16.9°

Horizontal Field Angle (10%): 23°

Vertical Field Angle (10%): 23°

Horizontal Cutoff Angle (3%): 25.9°

Vertical Cutoff Angle (3%): 25.9°



Conditions

AC Supply: 122 V, 60 Hz

Power: 70.77 W

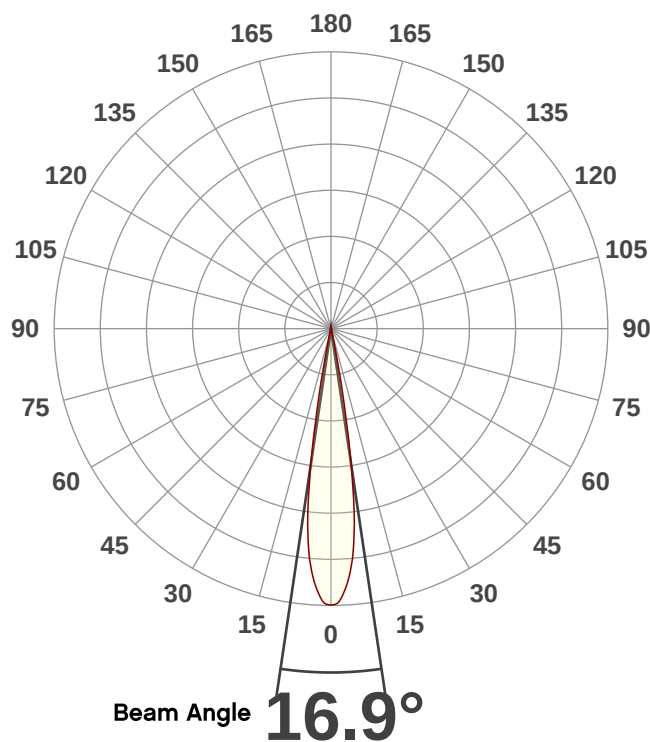
Current: 0.582 A

Power Factor: 0.97

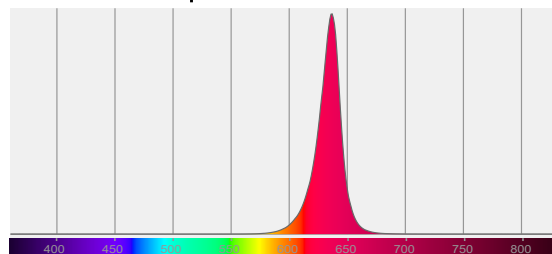
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Overall Measurement

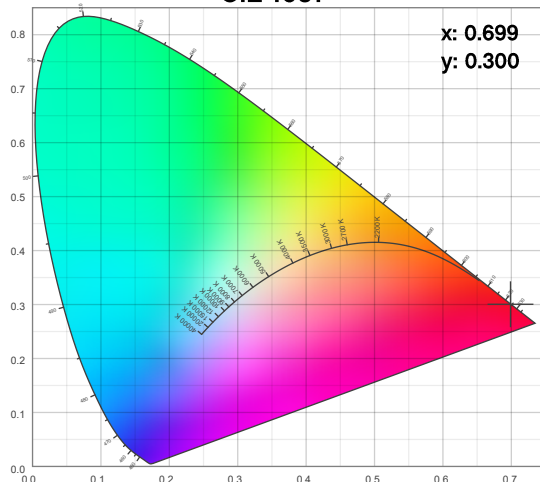
Angular Beam Distribution



Spectral Distribution



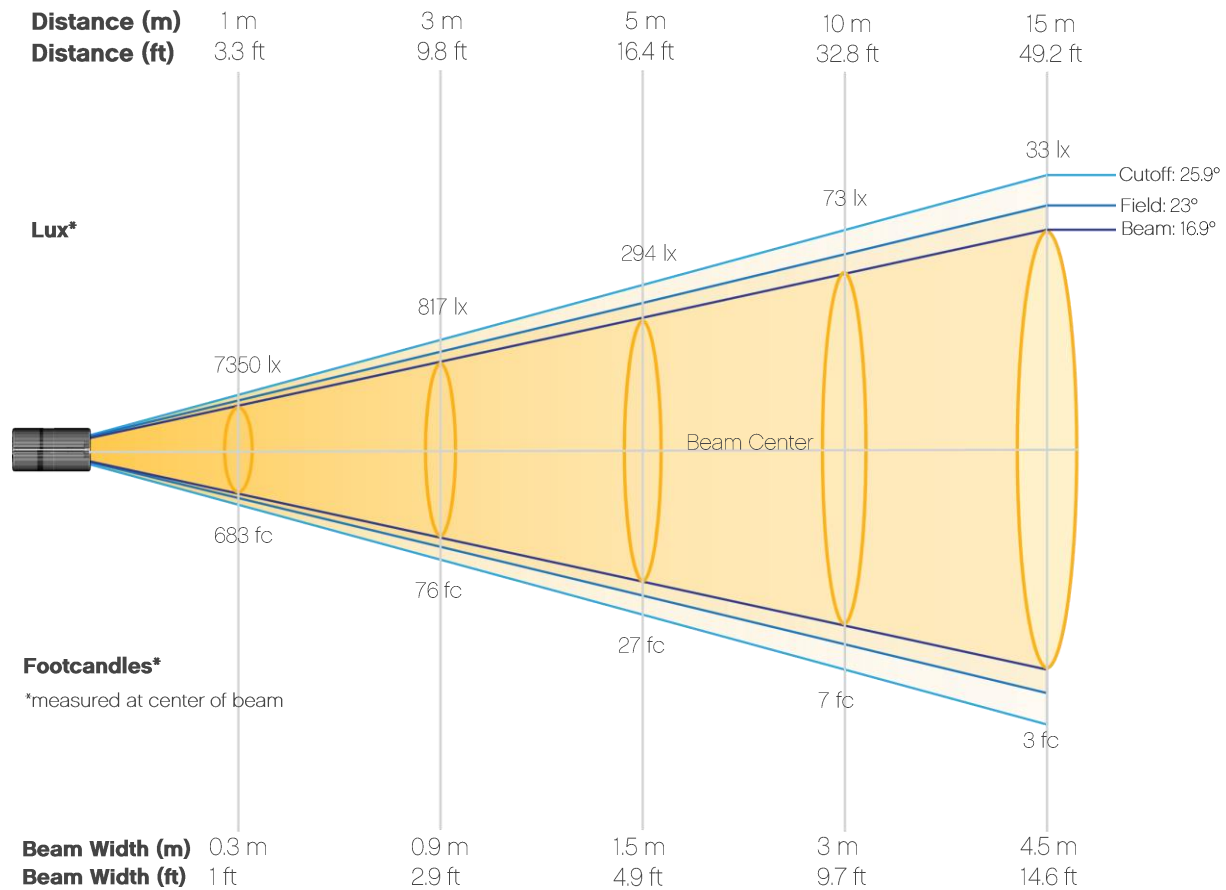
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Red Only

Beam Details



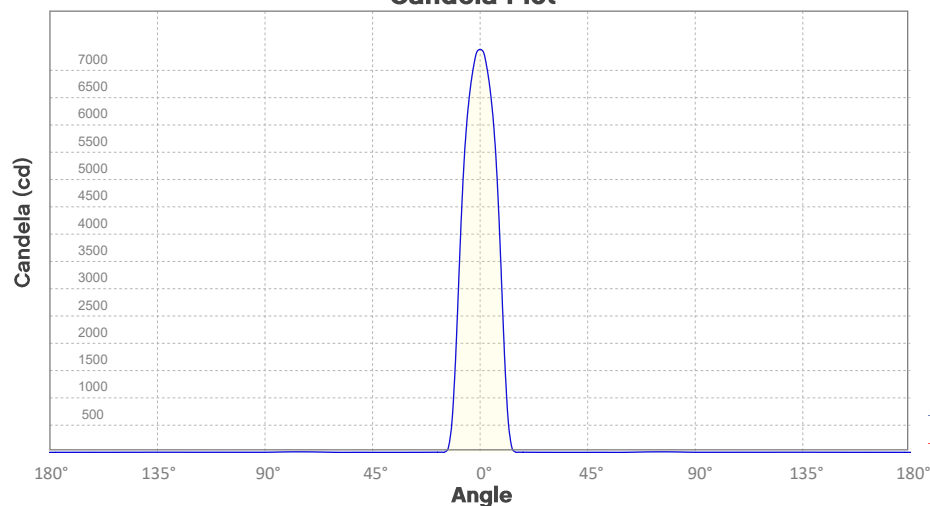
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7350	1837	817	459	294	204	150	115	91	73
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	61	51	43	37	33	29	25	23	20	18
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	683	171	76	43	27	19	14	11	8	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	3	3	3	2	2	2	2

Photometric Report

Rogue R1 BW: 50% Zoom, Red Only

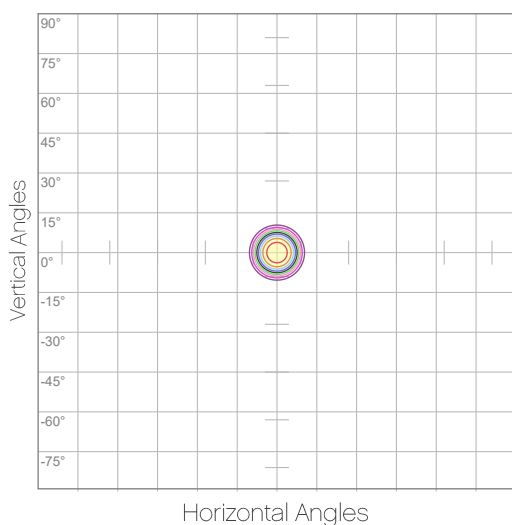
Candela Plot



Beam Angle (50%): 16.9°
Field Angle (10%): 23°
Cutoff Angle (3%): 25.9°

Horizontal Distribution
Vertical Distribution

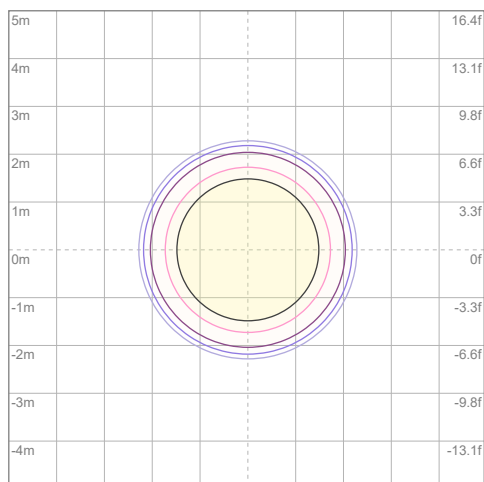
Polar Diagrams



iso-candela Diagram

10%	735 cd
20%	1470 cd
30%	2205 cd
40%	2940 cd
50%	3675 cd
60%	4410 cd
70%	5145 cd
80%	5880 cd
90%	6615 cd

Conditions:
Number of c-planes: 2
Candela at center: 7350 cd



iso-illuminance Diagram

3%	2.20 lx
5%	3.67 lx
10%	7.35 lx
30%	22.0 lx
50%	36.7 lx

Conditions:
Number of c-planes: 2
Lux at center: 73.5 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Green Only

Report Summary

Output

Total Lumens: 966 lm

Peak Intensity: 12433 cd

Illuminance @ 5m: 497 lux

Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 16.9°

Vertical Beam Angle (50%): 16.9°

Horizontal Field Angle (10%): 22.8°

Vertical Field Angle (10%): 22.8°

Horizontal Cutoff Angle (3%): 25.6°

Vertical Cutoff Angle (3%): 25.6°



Conditions

AC Supply: 121 V, 60.1 Hz

Power: 95.73 W

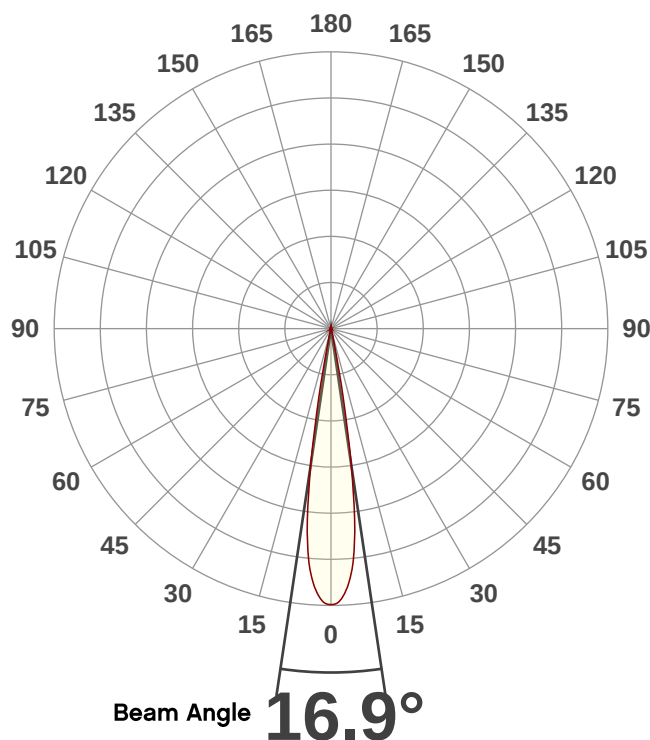
Current: 0.791 A

Power Factor: 0.98

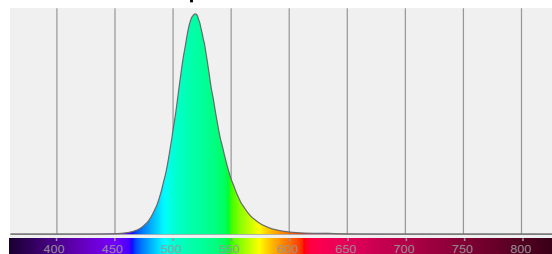
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Overall Measurement

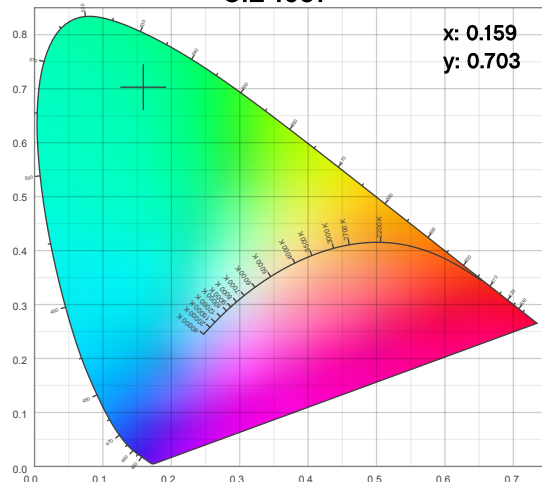
Angular Beam Distribution



Spectral Distribution



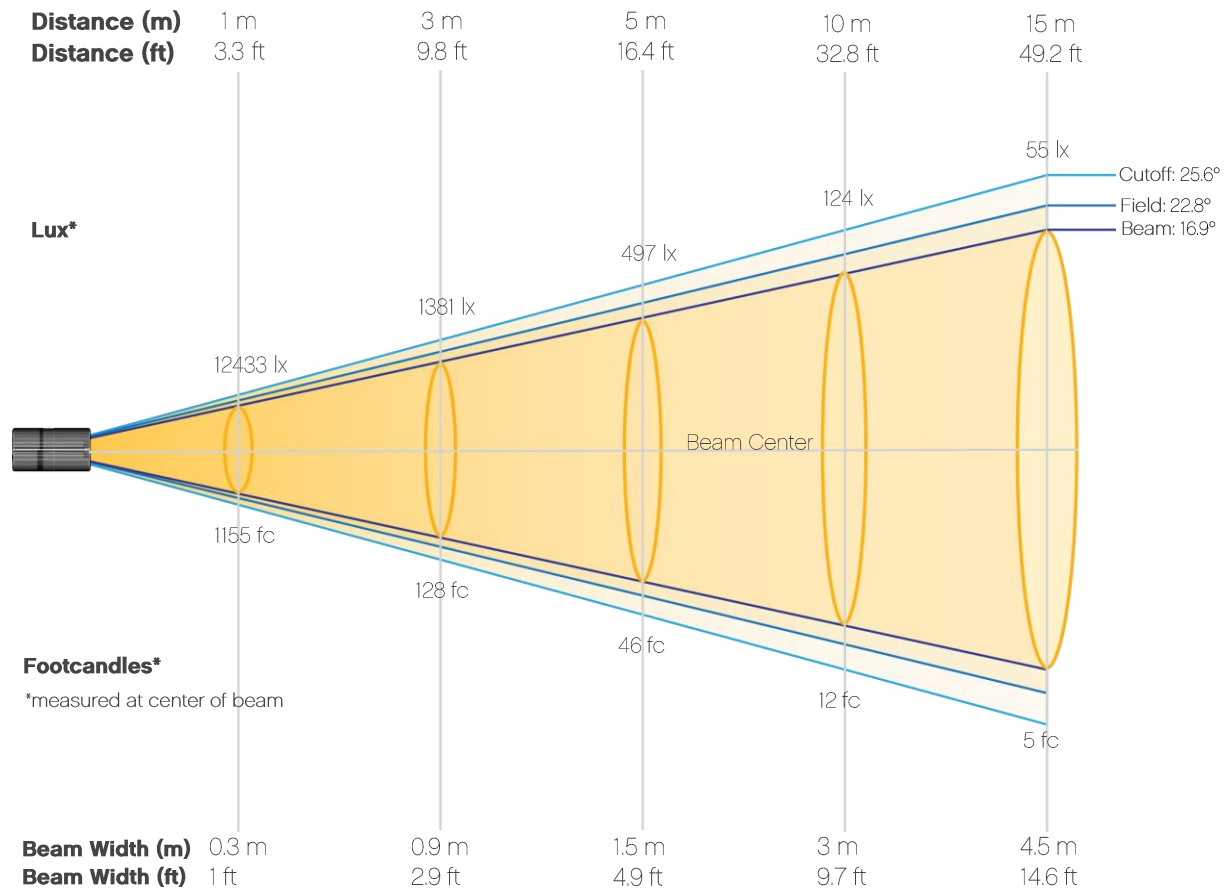
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Green Only

Beam Details



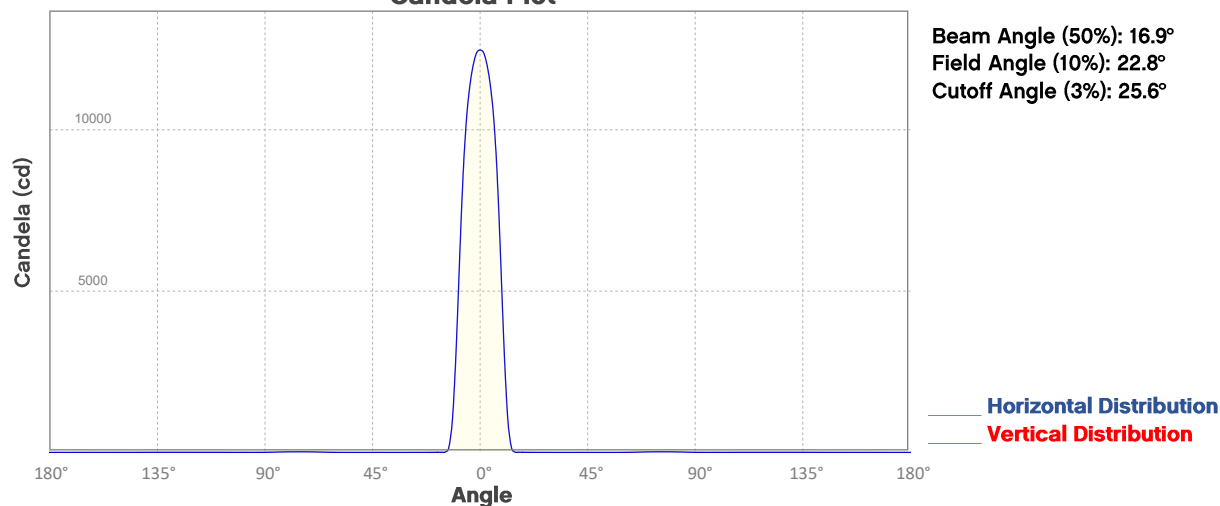
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	12433	3108	1381	777	497	345	254	194	153	124
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	103	86	74	63	55	49	43	38	34	31
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1155	289	128	72	46	32	24	18	14	12
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	10	8	7	6	5	5	4	4	3	3

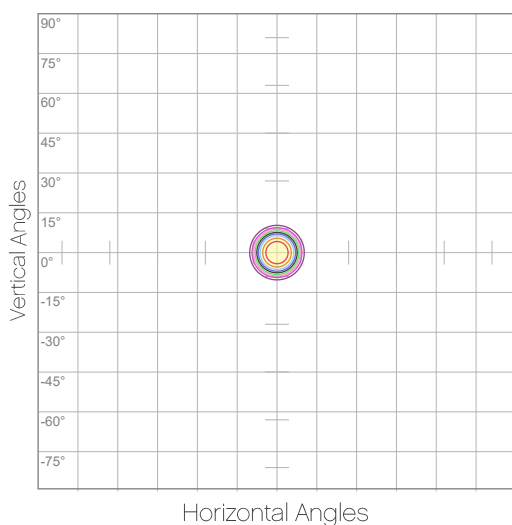
Photometric Report

Rogue R1 BW: 50% Zoom, Green Only

Candela Plot



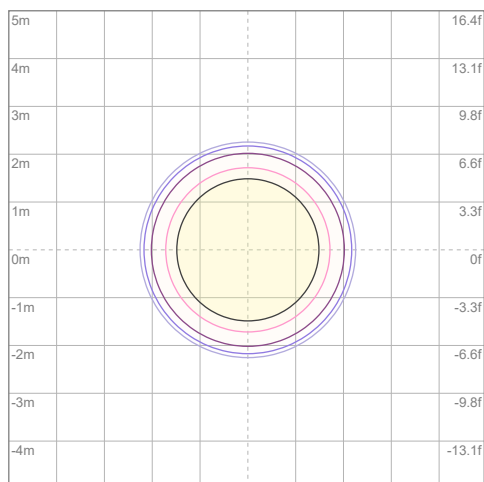
Polar Diagrams



iso-candela Diagram

10%	1243 cd
20%	2487 cd
30%	3730 cd
40%	4973 cd
50%	6216 cd
60%	7460 cd
70%	8703 cd
80%	9946 cd
90%	11190 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 12433 cd



iso-illuminance Diagram

3%	3.73 lx
5%	6.22 lx
10%	12.4 lx
30%	37.3 lx
50%	62.2 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 124 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, Blue Only

Report Summary

Output

Total Lumens: 288 lm

Peak Intensity: 3390 cd

Illuminance @ 5m: 136 lux

Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 16.5°

Vertical Beam Angle (50%): 16.5°

Horizontal Field Angle (10%): 22.6°

Vertical Field Angle (10%): 22.6°

Horizontal Cutoff Angle (3%): 25.5°

Vertical Cutoff Angle (3%): 25.5°



Conditions

AC Supply: 121 V, 60 Hz

Power: 82.99 W

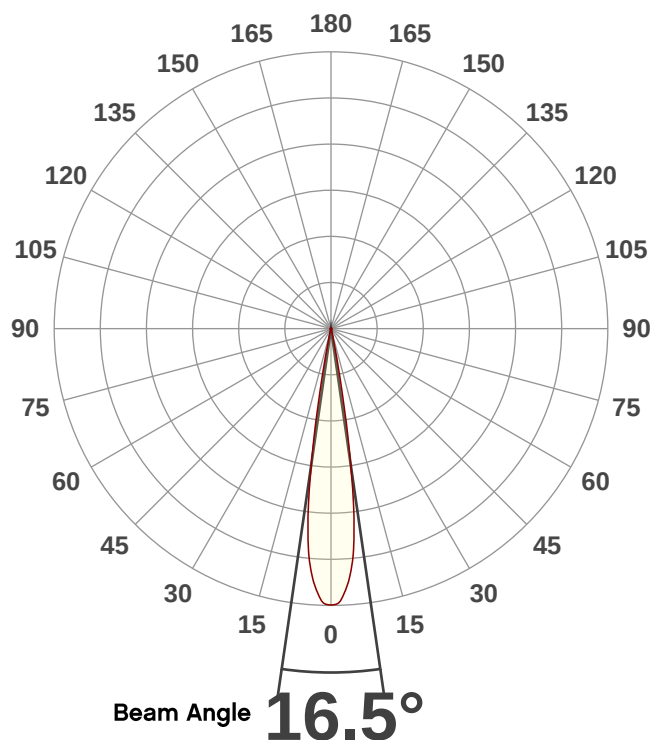
Current: 0.685 A

Power Factor: 0.98

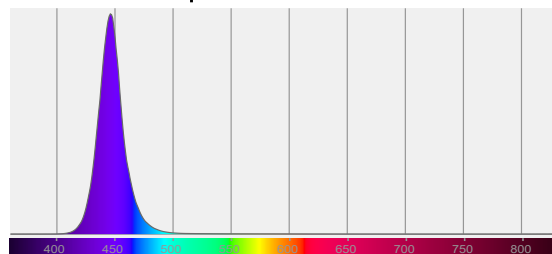
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Overall Measurement

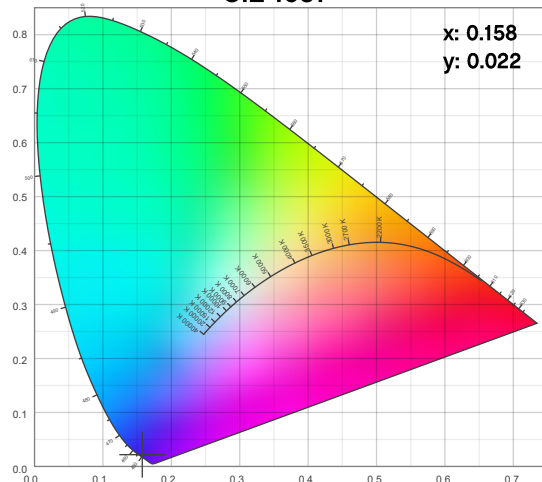
Angular Beam Distribution



Spectral Distribution



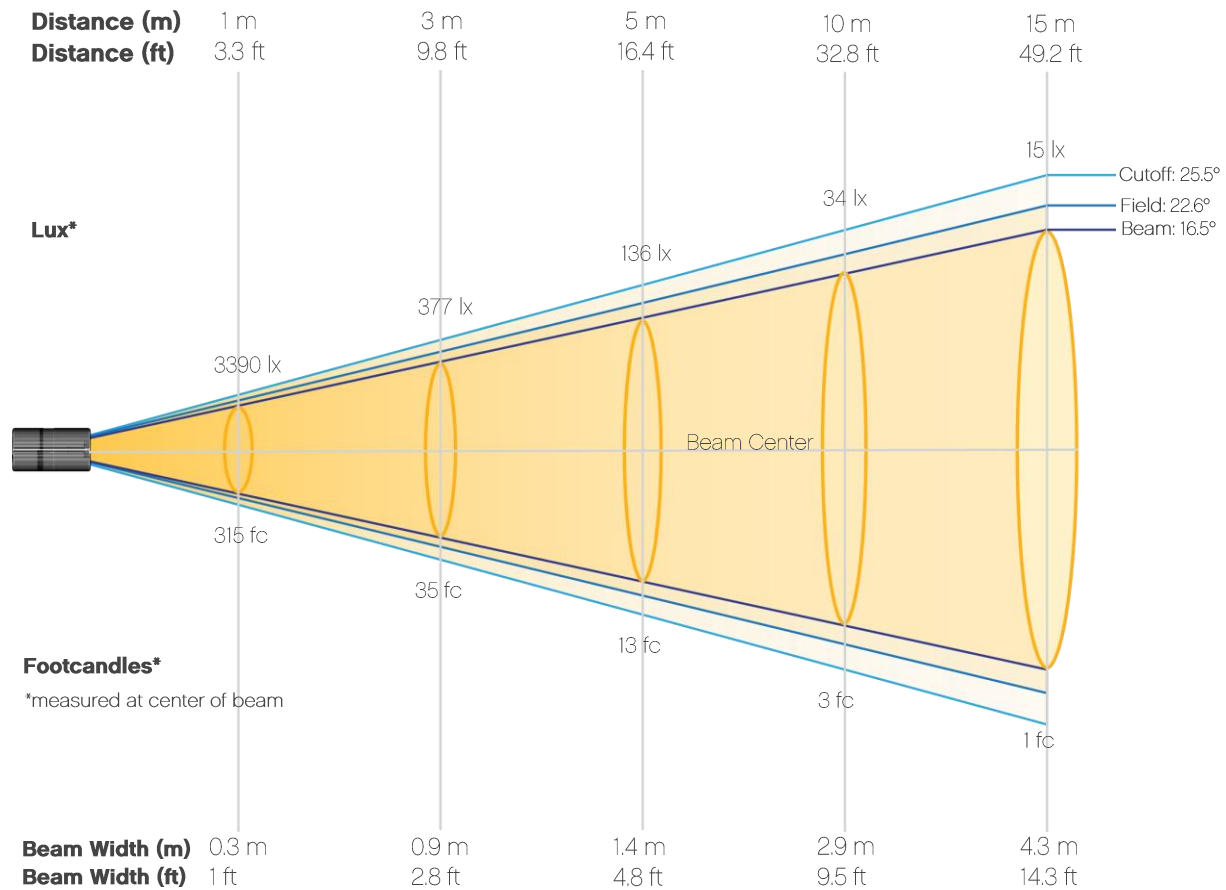
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, Blue Only

Beam Details



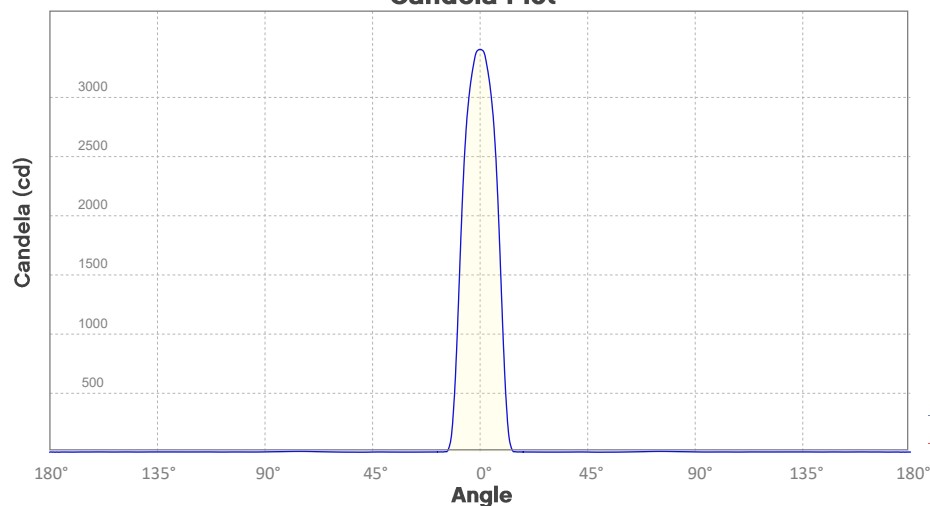
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3390	847	377	212	136	94	69	53	42	34
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	28	24	20	17	15	13	12	10	9	8
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	315	79	35	20	13	9	6	5	4	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	2	2	2	1	1	1	1	1	1

Photometric Report

Rogue R1 BW: 50% Zoom, Blue Only

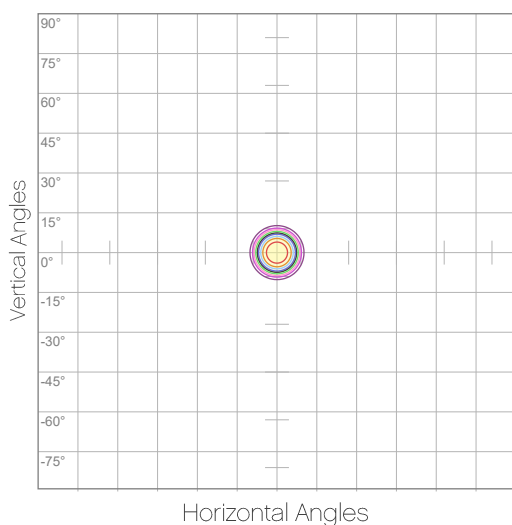
Candela Plot



Beam Angle (50%): 16.5°
Field Angle (10%): 22.6°
Cutoff Angle (3%): 25.5°

— Horizontal Distribution
— Vertical Distribution

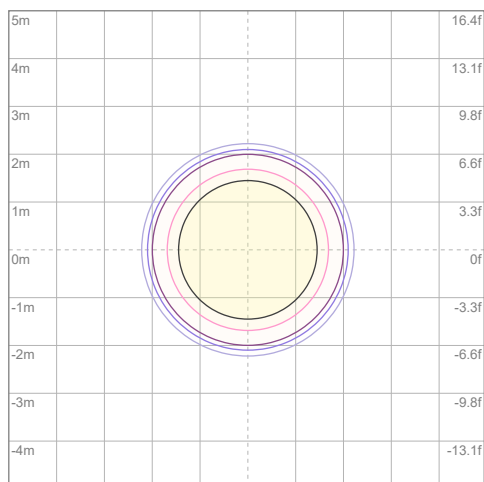
Polar Diagrams



iso-candela Diagram

10%	339 cd
20%	678 cd
30%	1017 cd
40%	1356 cd
50%	1695 cd
60%	2034 cd
70%	2373 cd
80%	2712 cd
90%	3051 cd

Conditions:
Number of c-planes: 2
Candela at center: 3390 cd



iso-illuminance Diagram

3%	1.02 lx
5%	1.69 lx
10%	3.39 lx
30%	10.2 lx
50%	16.9 lx

Conditions:
Number of c-planes: 2
Lux at center: 33.9 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: 50% Zoom, White Only

Report Summary

Output

Total Lumens: 1401 lm

Peak Intensity: 17369 cd

Illuminance @ 5m: 695 lux

Fixture Efficacy: 17 lm/W

Optical

Horizontal Beam Angle (50%): 17.3°

Vertical Beam Angle (50%): 17.3°

Horizontal Field Angle (10%): 22.9°

Vertical Field Angle (10%): 22.9°

Horizontal Cutoff Angle (3%): 25.4°

Vertical Cutoff Angle (3%): 25.4°



Conditions

AC Supply: 121 V, 60 Hz

Power: 83.2 W

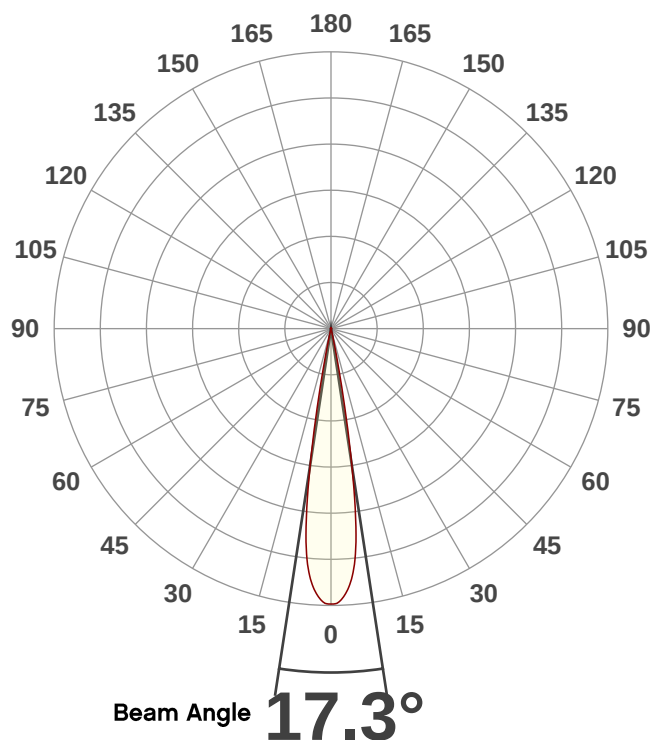
Current: 0.687 A

Power Factor: 0.98

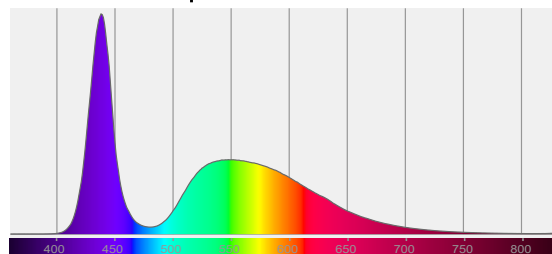
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/28/2019 to LM-63-2002 Standards.

Overall Measurement

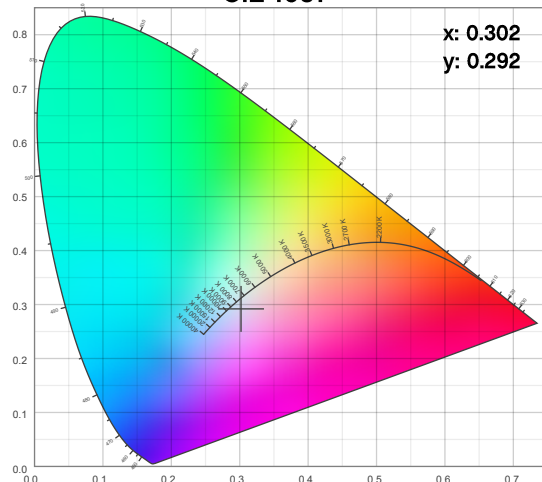
Angular Beam Distribution



Spectral Distribution



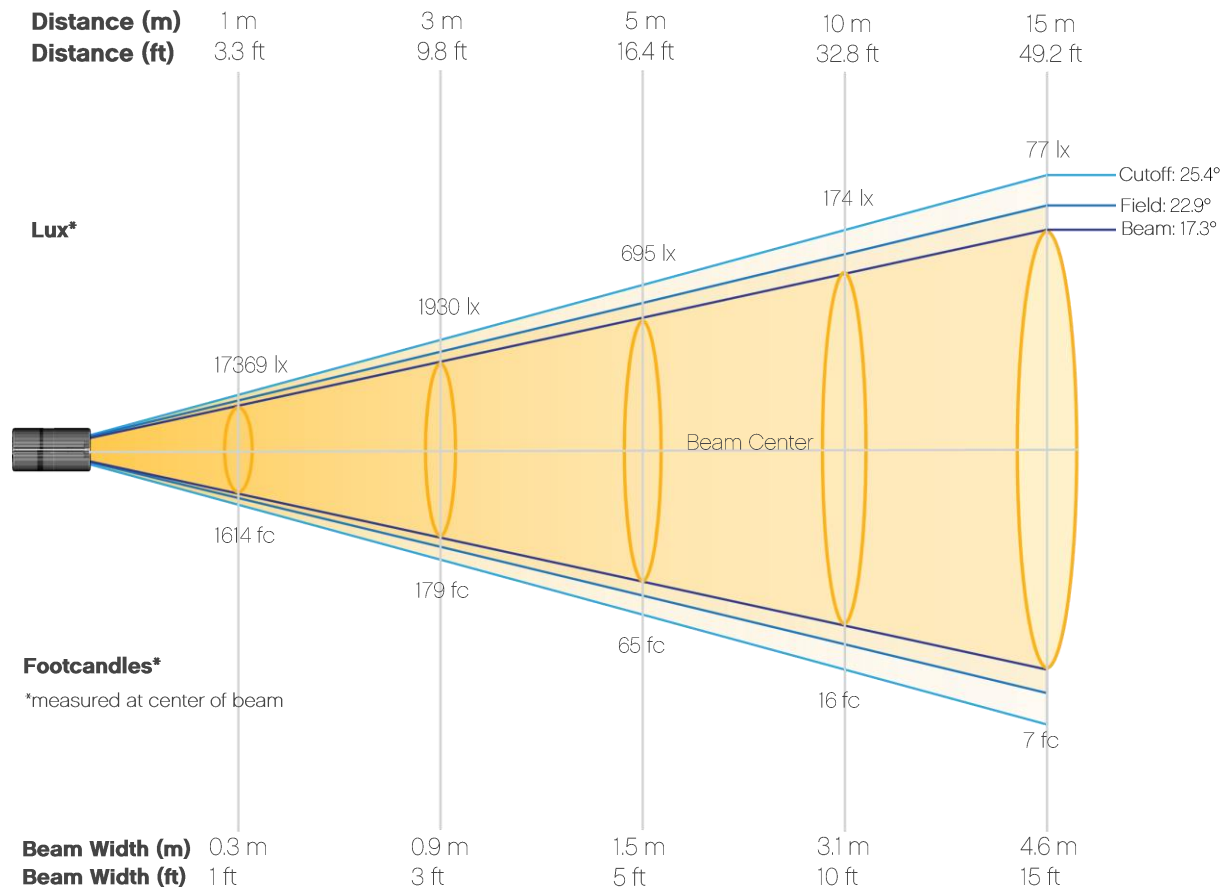
CIE 1931



Photometric Report

Rogue R1 BW: 50% Zoom, White Only

Beam Details



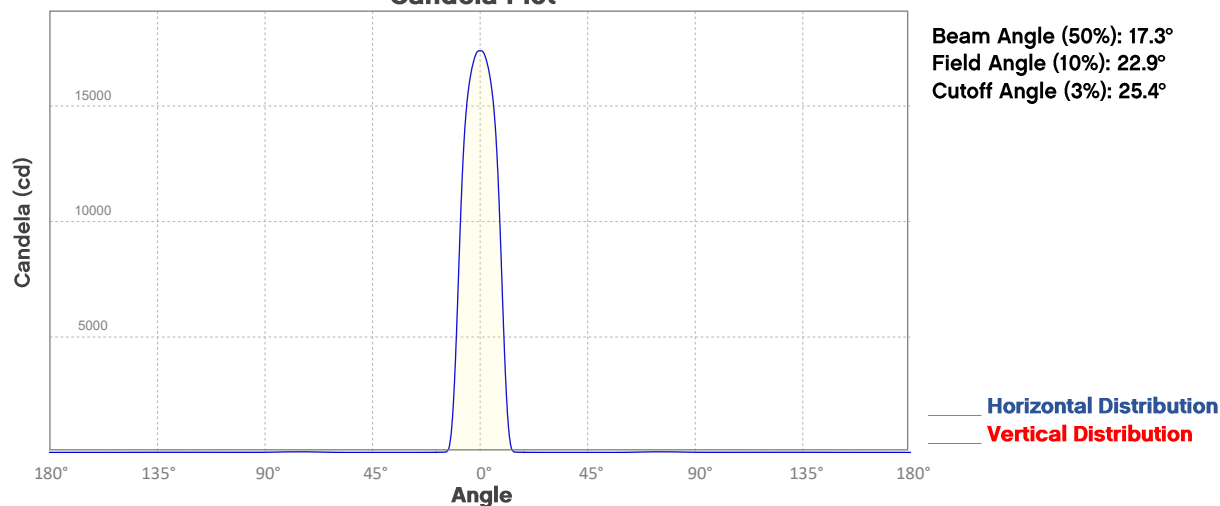
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	17369	4342	1930	1086	695	482	354	271	214	174
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	144	121	103	89	77	68	60	54	48	43
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1614	403	179	101	65	45	33	25	20	16
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	13	11	10	8	7	6	6	5	4	4

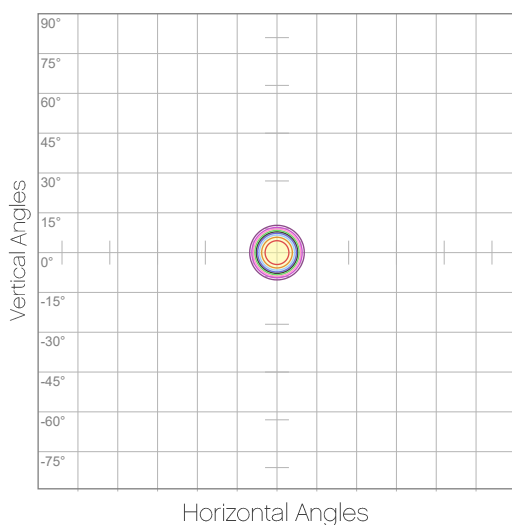
Photometric Report

Rogue R1 BW: 50% Zoom, White Only

Candela Plot



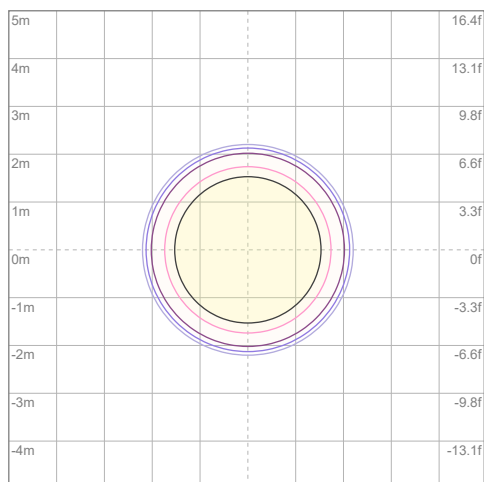
Polar Diagrams



iso-candela Diagram

10%	1737 cd
20%	3474 cd
30%	5211 cd
40%	6948 cd
50%	8685 cd
60%	10422 cd
70%	12159 cd
80%	13896 cd
90%	15633 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 17369 cd



iso-illuminance Diagram

3%	521 lx
5%	868 lx
10%	174 lx
30%	521 lx
50%	868 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 174 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Full Power

Report Summary

Output

Total Lumens: 1616 lm

Peak Intensity: 328791 cd

Illuminance @ 5m: 13152 lux

Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 3.8°

Vertical Beam Angle (50%): 3.8°

Horizontal Field Angle (10%): 6°

Vertical Field Angle (10%): 6°

Horizontal Cutoff Angle (3%): 6.6°

Vertical Cutoff Angle (3%): 6.6°



Conditions

AC Supply: 121 V, 60 Hz

Power: 196.43 W

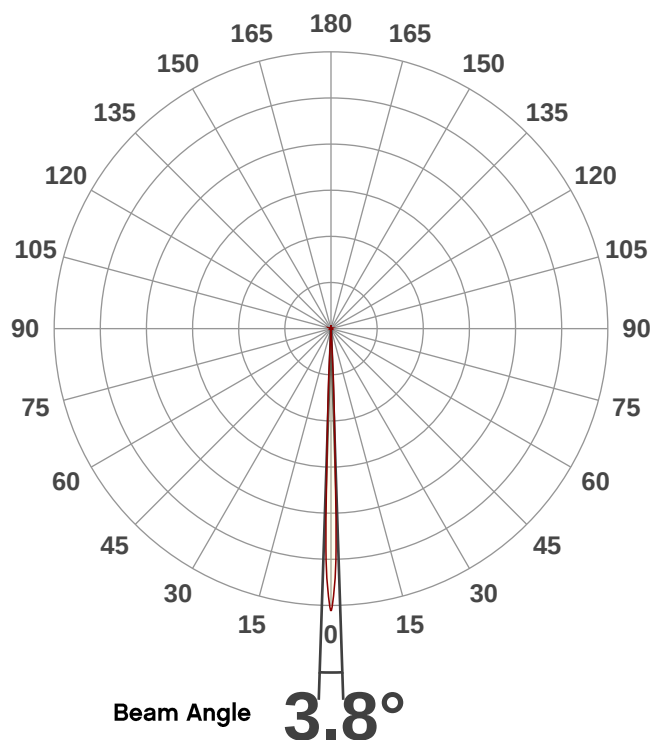
Current: 1.62 A

Power Factor: 1.0

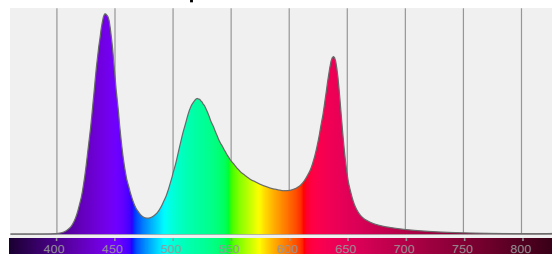
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/28/2019 to LM-63-2002 Standards.

Overall Measurement

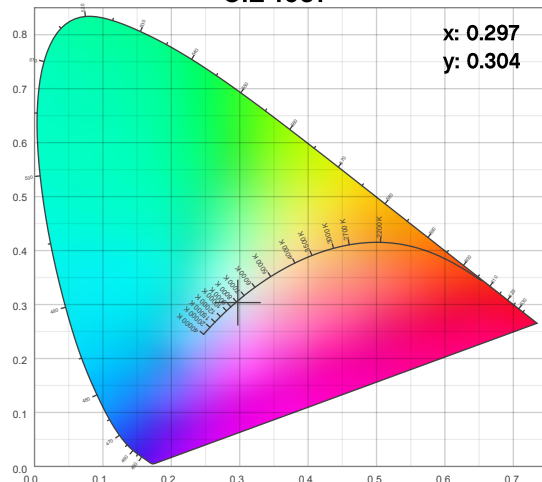
Angular Beam Distribution



Spectral Distribution



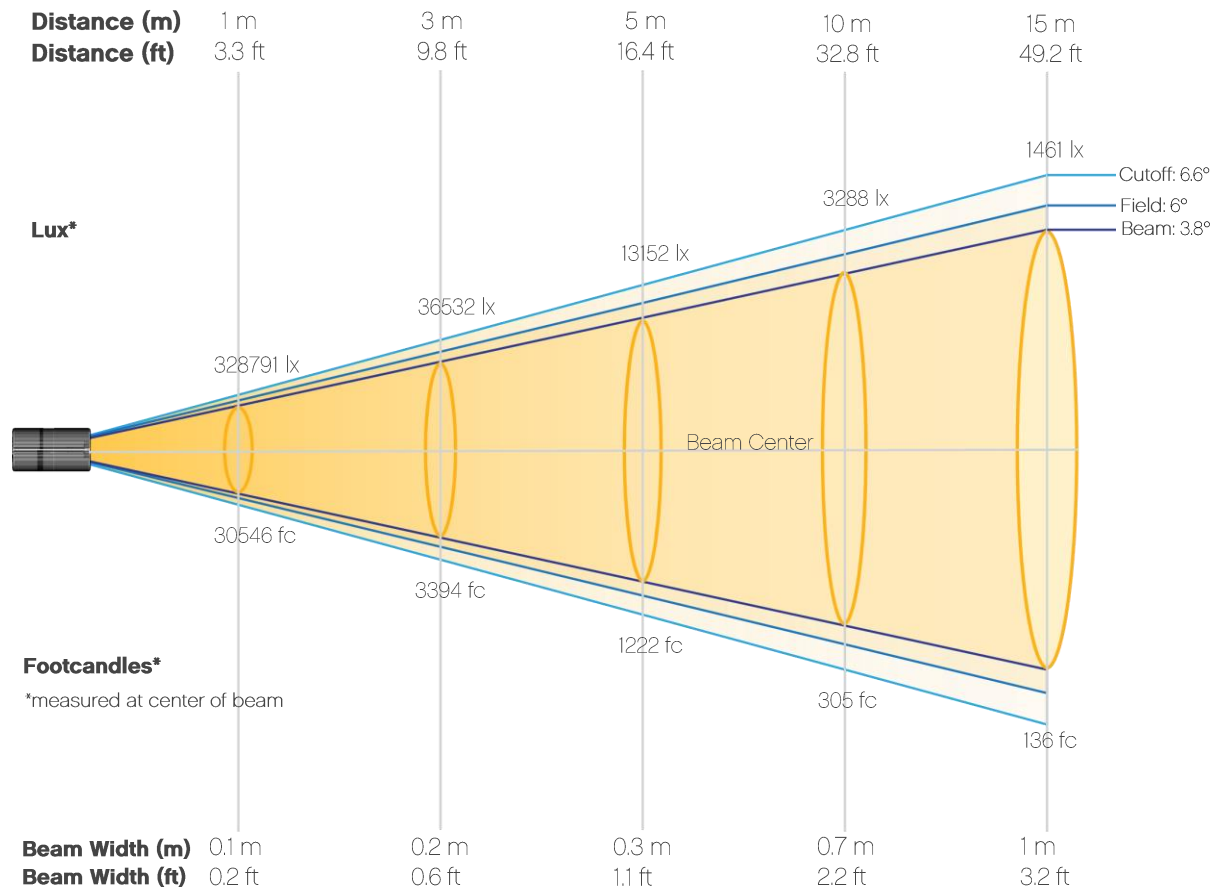
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Full Power

Beam Details



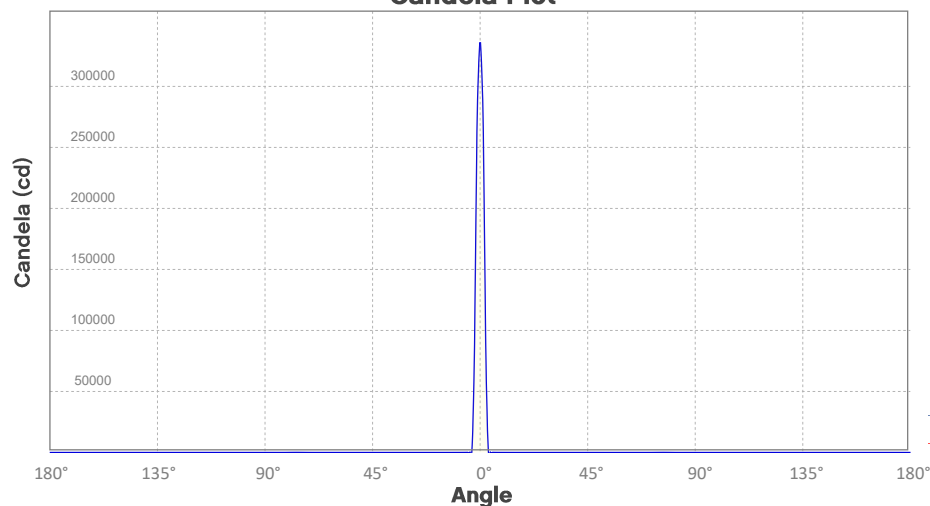
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	328791	82198	36532	20549	13152	9133	6710	5137	4059	3288
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2717	2283	1946	1678	1461	1284	1138	1015	911	822
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30546	7636	3394	1909	1222	848	623	477	377	305
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	252	212	181	156	136	119	106	94	85	76

Photometric Report

Rogue R1 BW: Full Spot, Full Power

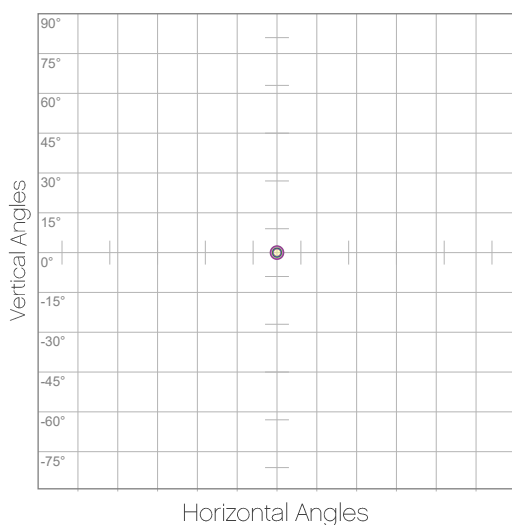
Candela Plot



Beam Angle (50%): 3.8°
Field Angle (10%): 6°
Cutoff Angle (3%): 6.6°

— Horizontal Distribution
— Vertical Distribution

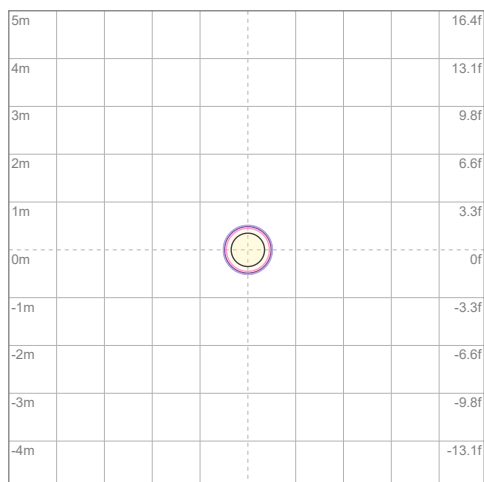
Polar Diagrams



iso-candela Diagram

10%	32879 cd
20%	65758 cd
30%	98637 cd
40%	131516 cd
50%	164395 cd
60%	197274 cd
70%	230153 cd
80%	263032 cd
90%	295911 cd

Conditions:
Number of c-planes: 2
Candela at center: 328791 cd



iso-illuminance Diagram

3%	98.6 lx
5%	164 lx
10%	329 lx
30%	986 lx
50%	1644 lx

Conditions:
Number of c-planes: 2
Lux at center: 3288 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Red Only

Report Summary

Output

Total Lumens: 403 lm

Peak Intensity: 74841 cd

Illuminance @ 5m: 2994 lux

Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.7°

Vertical Beam Angle (50%): 3.7°

Horizontal Field Angle (10%): 5.2°

Vertical Field Angle (10%): 5.2°

Horizontal Cutoff Angle (3%): 6.1°

Vertical Cutoff Angle (3%): 6.1°



Conditions

AC Supply: 122 V, 60 Hz

Power: 70.42 W

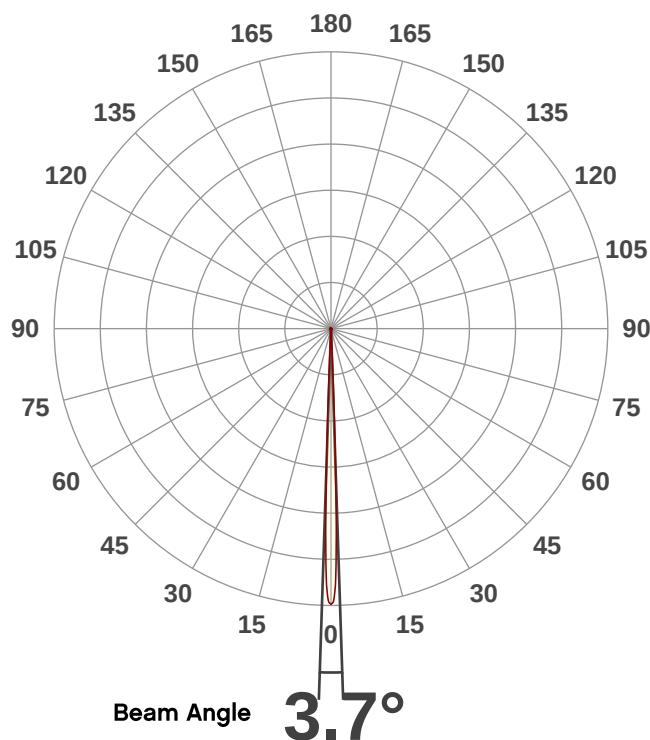
Current: 0.579 A

Power Factor: 0.97

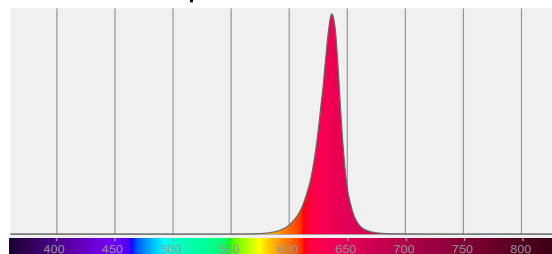
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Overall Measurement

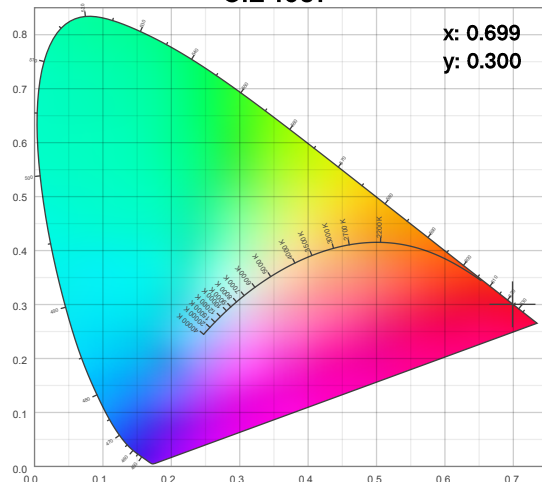
Angular Beam Distribution



Spectral Distribution



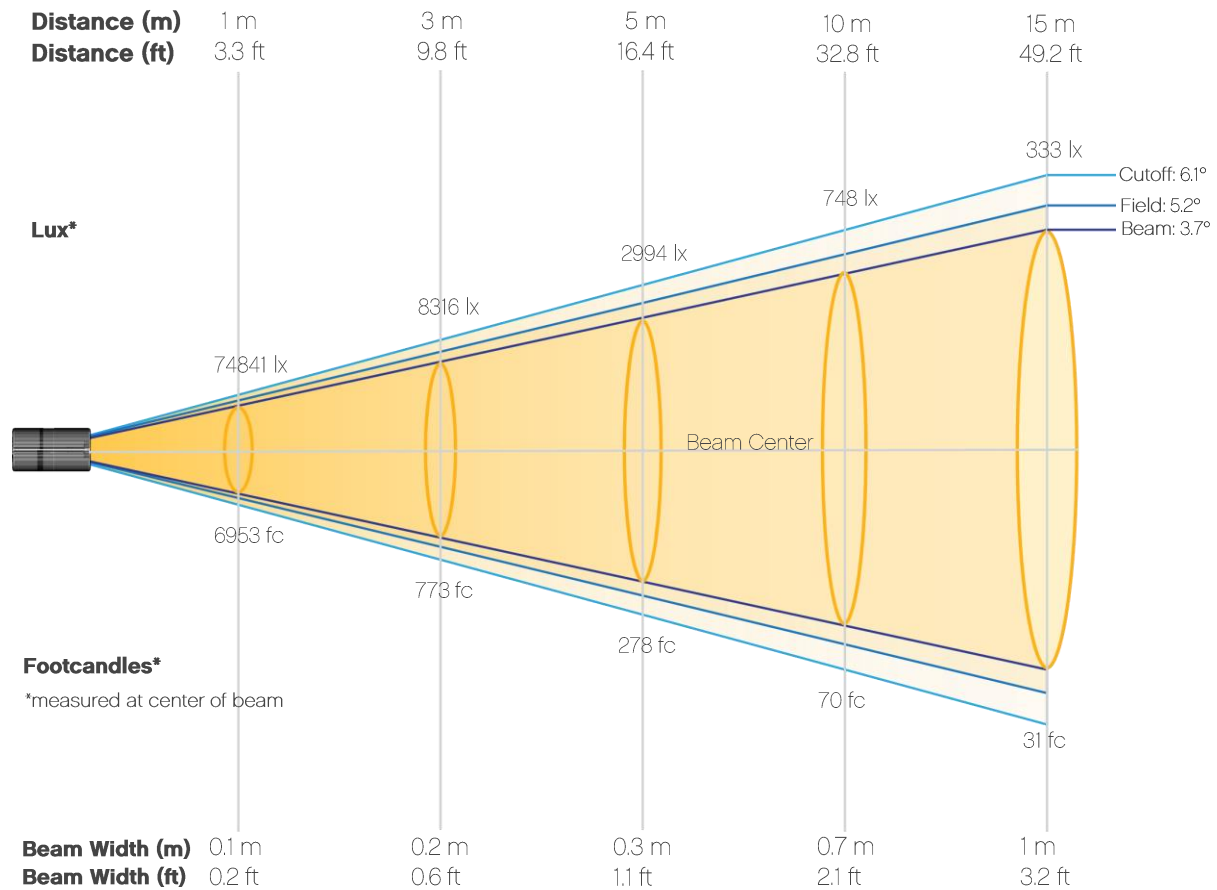
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Red Only

Beam Details



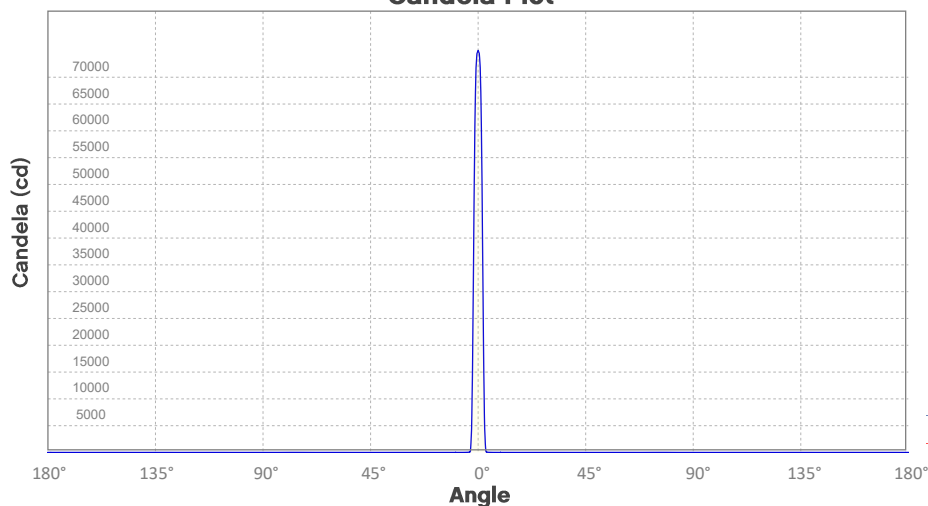
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	74841	18710	8316	4678	2994	2079	1527	1169	924	748
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	619	520	443	382	333	292	259	231	207	187
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	6953	1738	773	435	278	193	142	109	86	70
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	57	48	41	35	31	27	24	21	19	17

Photometric Report

Rogue R1 BW: Full Spot, Red Only

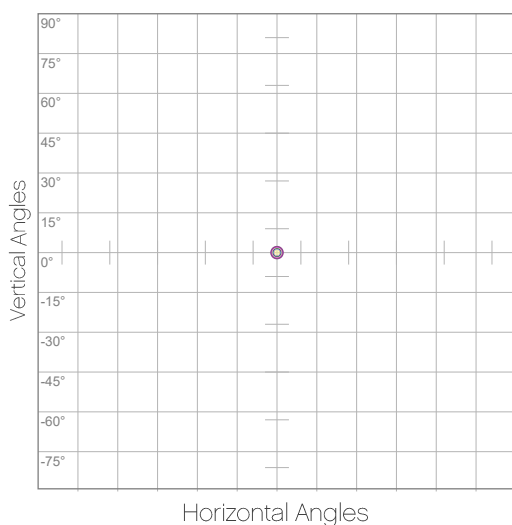
Candela Plot



Beam Angle (50%): 3.7°
Field Angle (10%): 5.2°
Cutoff Angle (3%): 6.1°

— Horizontal Distribution
— Vertical Distribution

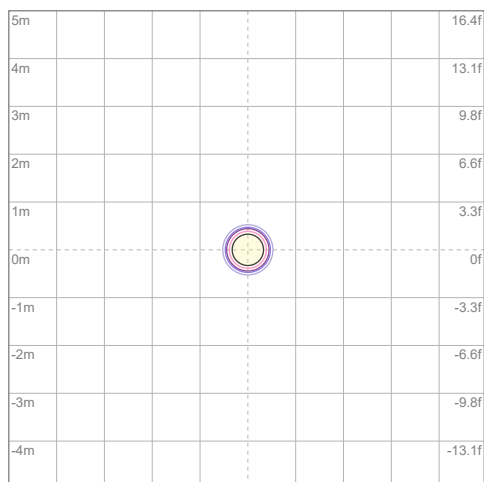
Polar Diagrams



iso-candela Diagram

10%	7484 cd
20%	14968 cd
30%	22452 cd
40%	29936 cd
50%	37421 cd
60%	44905 cd
70%	52389 cd
80%	59873 cd
90%	67357 cd

Conditions:
Number of c-planes: 2
Candela at center: 74841 cd



iso-illuminance Diagram

3%	22.5 lx
5%	37.4 lx
10%	74.8 lx
30%	225 lx
50%	374 lx

Conditions:
Number of c-planes: 2
Lux at center: 748 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Green Only

Report Summary

Output

Total Lumens: 563 lm

Peak Intensity: 122781 cd

Illuminance @ 5m: 4911 lux

Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.8°

Vertical Beam Angle (50%): 3.8°

Horizontal Field Angle (10%): 5.2°

Vertical Field Angle (10%): 5.2°

Horizontal Cutoff Angle (3%): 6°

Vertical Cutoff Angle (3%): 6°



Conditions

AC Supply: 122 V, 60 Hz

Power: 95.38 W

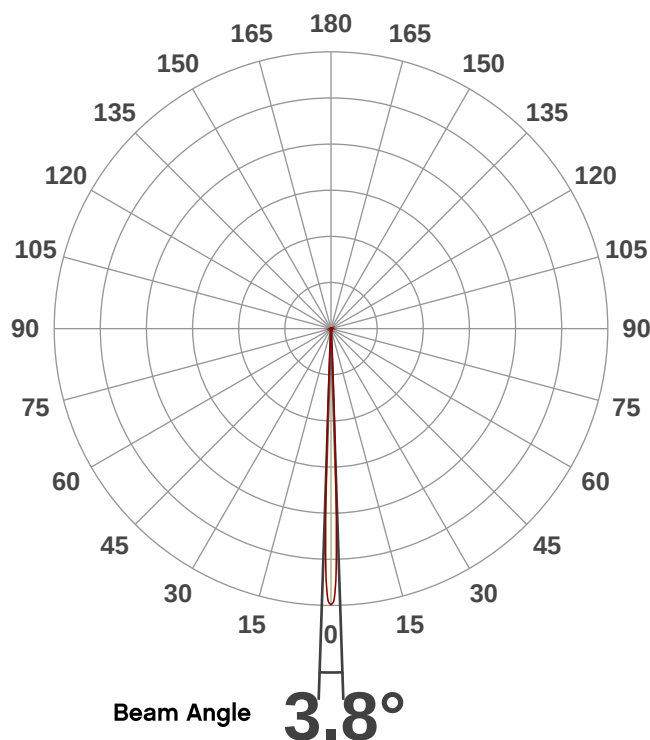
Current: 0.780 A

Power Factor: 0.98

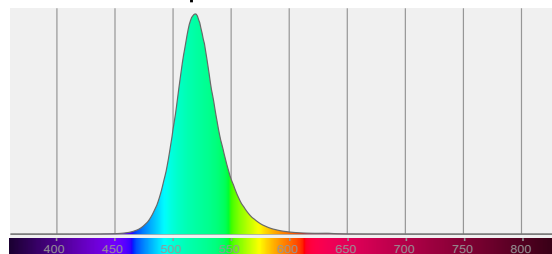
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Overall Measurement

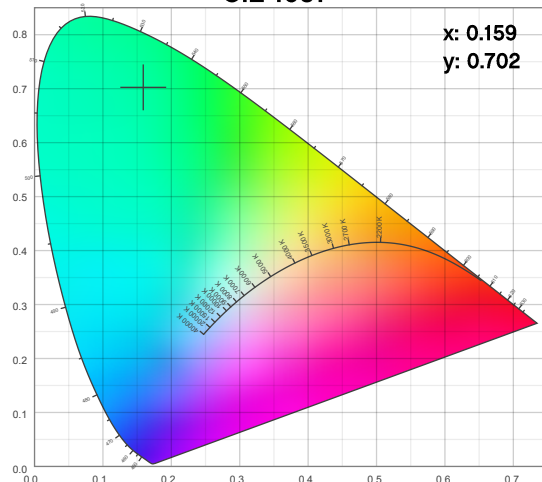
Angular Beam Distribution



Spectral Distribution



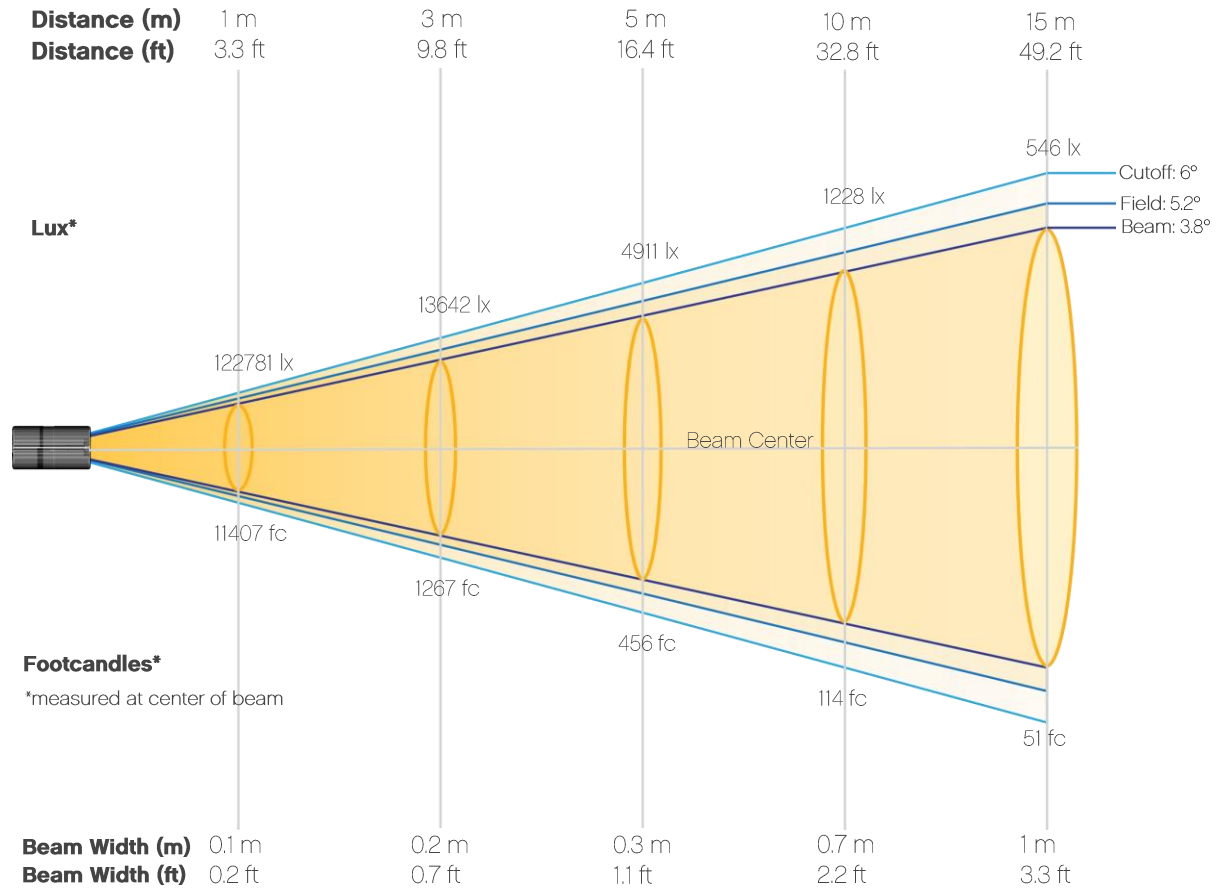
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Green Only

Beam Details



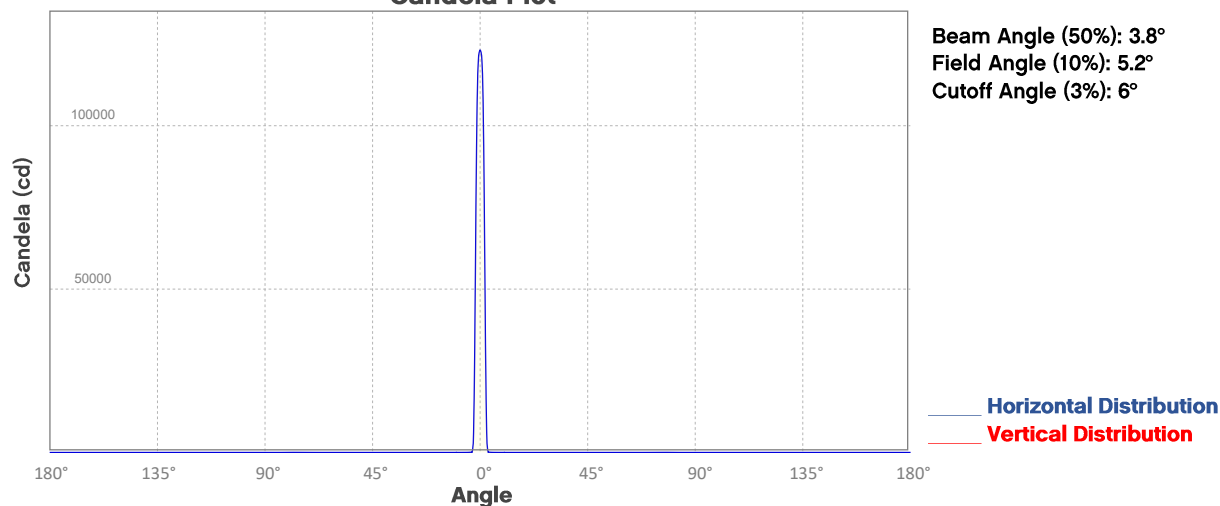
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	122781	30695	13642	7674	4911	3411	2506	1918	1516	1228
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1015	853	727	626	546	480	425	379	340	307
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	11407	2852	1267	713	456	317	233	178	141	114
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	94	79	67	58	51	45	39	35	32	29

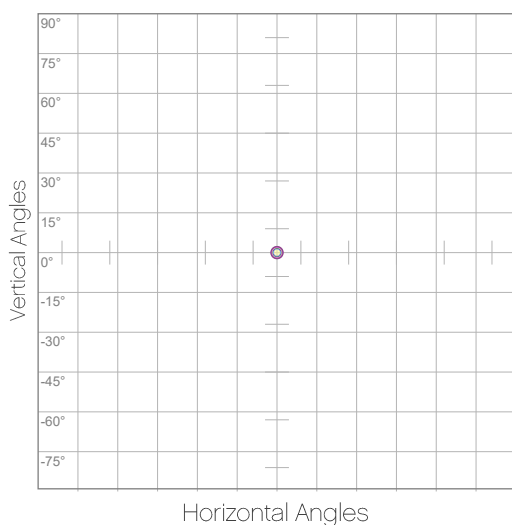
Photometric Report

Rogue R1 BW: Full Spot, Green Only

Candela Plot



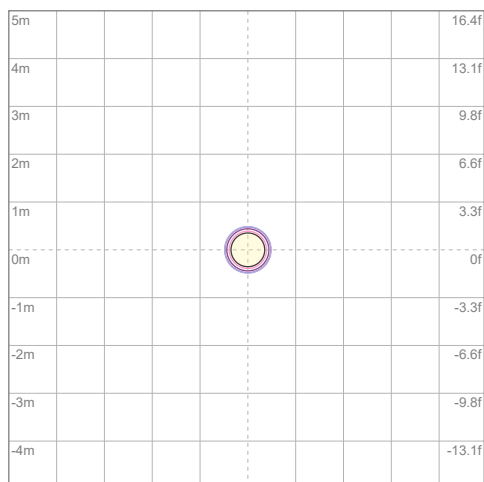
Polar Diagrams



iso-candela Diagram

10%	12278 cd
20%	24556 cd
30%	36834 cd
40%	49112 cd
50%	61390 cd
60%	73668 cd
70%	85946 cd
80%	98224 cd
90%	110503 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 122781 cd



iso-illuminance Diagram

3%	36.8 lx
5%	61.4 lx
10%	123 lx
30%	368 lx
50%	614 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1228 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, Blue Only

Report Summary

Output

Total Lumens: 290 lm

Peak Intensity: 32504 cd

Illuminance @ 5m: 1300 lux

Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 3.8°

Vertical Beam Angle (50%): 3.8°

Horizontal Field Angle (10%): 5.2°

Vertical Field Angle (10%): 5.2°

Horizontal Cutoff Angle (3%): 6°

Vertical Cutoff Angle (3%): 6°



Conditions

AC Supply: 121 V, 60 Hz

Power: 82.38 W

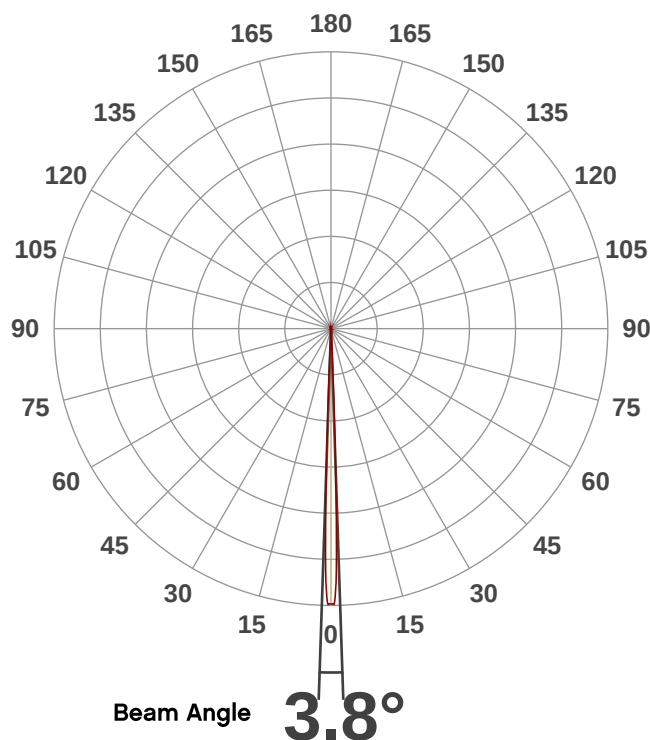
Current: 0.680 A

Power Factor: 0.98

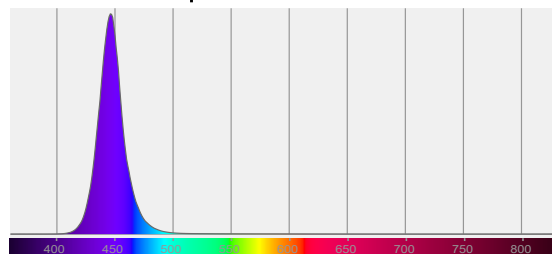
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Overall Measurement

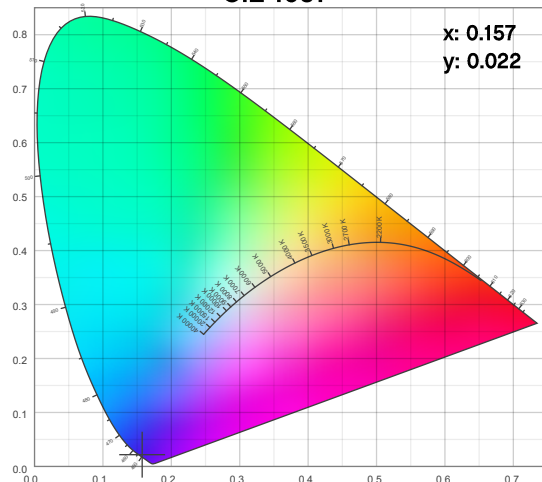
Angular Beam Distribution



Spectral Distribution



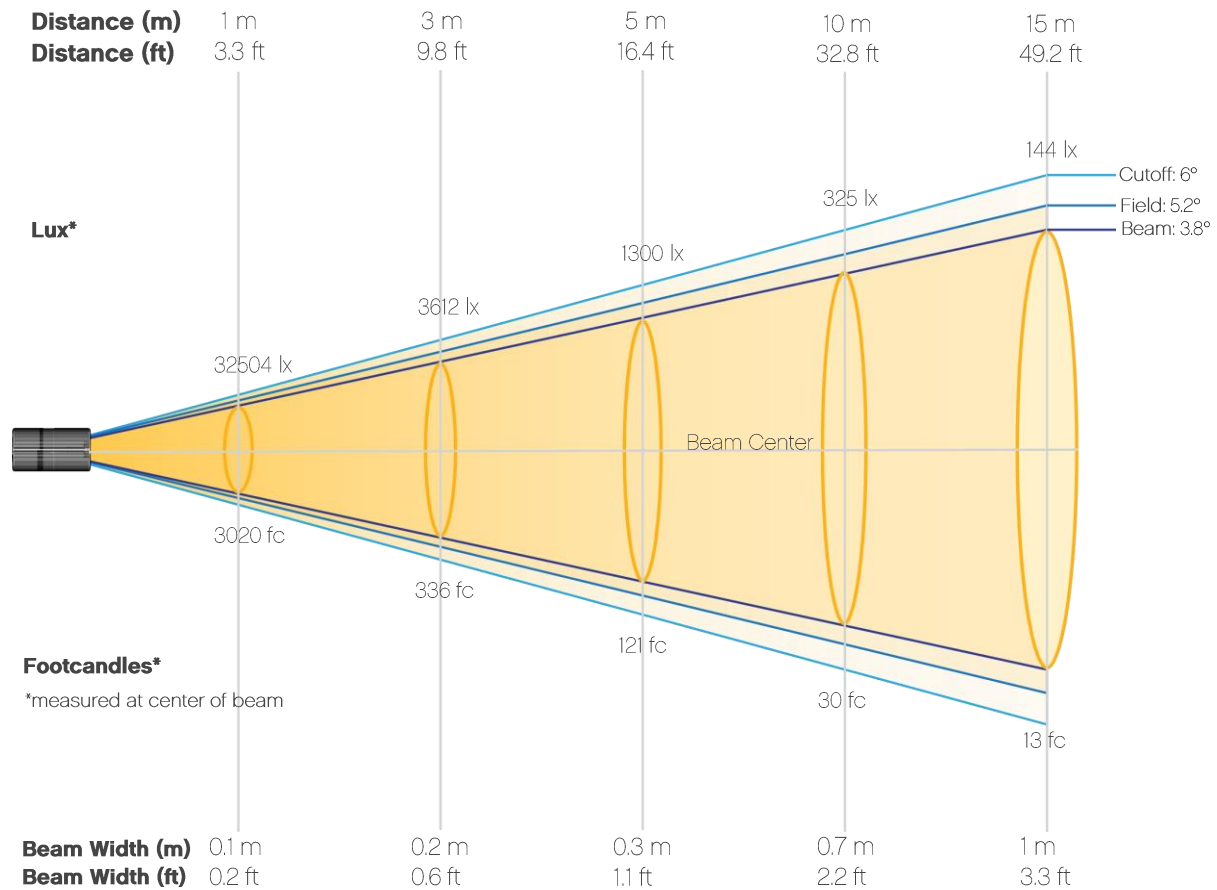
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, Blue Only

Beam Details



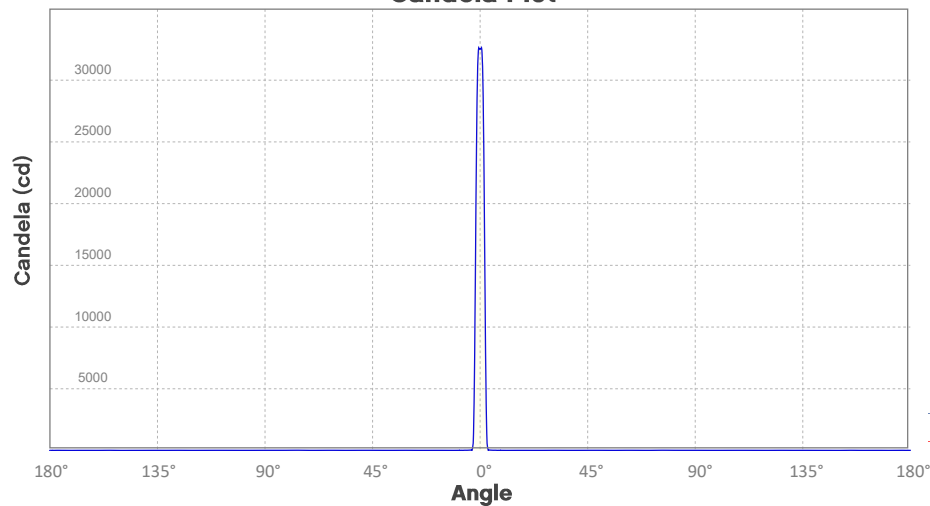
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	32504	8126	3612	2032	1300	903	663	508	401	325
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	269	226	192	166	144	127	112	100	90	81
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3020	755	336	189	121	84	62	47	37	30
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	25	21	18	15	13	12	10	9	8	8

Photometric Report

Rogue R1 BW: Full Spot, Blue Only

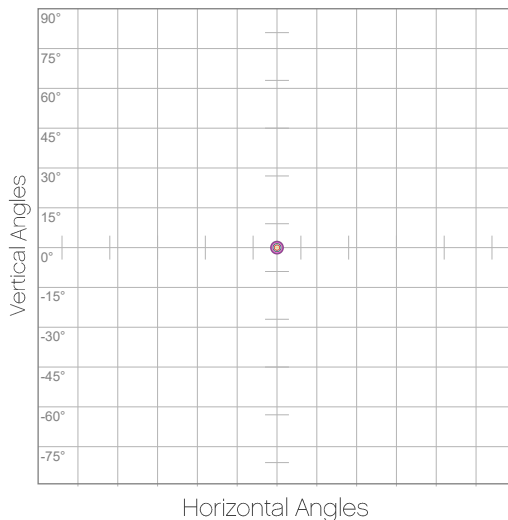
Candela Plot



Beam Angle (50%): 3.8°
Field Angle (10%): 5.2°
Cutoff Angle (3%): 6°

— Horizontal Distribution
— Vertical Distribution

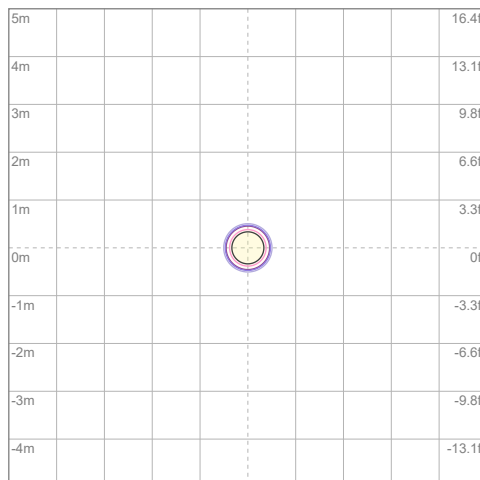
Polar Diagrams



iso-candela Diagram

10%	3250 cd
20%	6501 cd
30%	9751 cd
40%	13002 cd
50%	16252 cd
60%	19503 cd
70%	22753 cd
80%	26003 cd
90%	29254 cd

Conditions:
Number of c-planes: 2
Candela at center: 32504 cd



iso-illuminance Diagram

3%	9.75 lx
5%	16.3 lx
10%	32.5 lx
30%	97.5 lx
50%	163 lx

Conditions:
Number of c-planes: 2
Lux at center: 325 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue R1 BW: Full Spot, White Only

Report Summary

Output

Total Lumens: 762 lm

Peak Intensity: 172044 cd

Illuminance @ 5m: 6882 lux

Fixture Efficacy: 9 lm/W

Optical

Horizontal Beam Angle (50%): 3.8°

Vertical Beam Angle (50%): 3.8°

Horizontal Field Angle (10%): 5.3°

Vertical Field Angle (10%): 5.3°

Horizontal Cutoff Angle (3%): 6.1°

Vertical Cutoff Angle (3%): 6.1°



Conditions

AC Supply: 122 V, 60 Hz

Power: 82.33 W

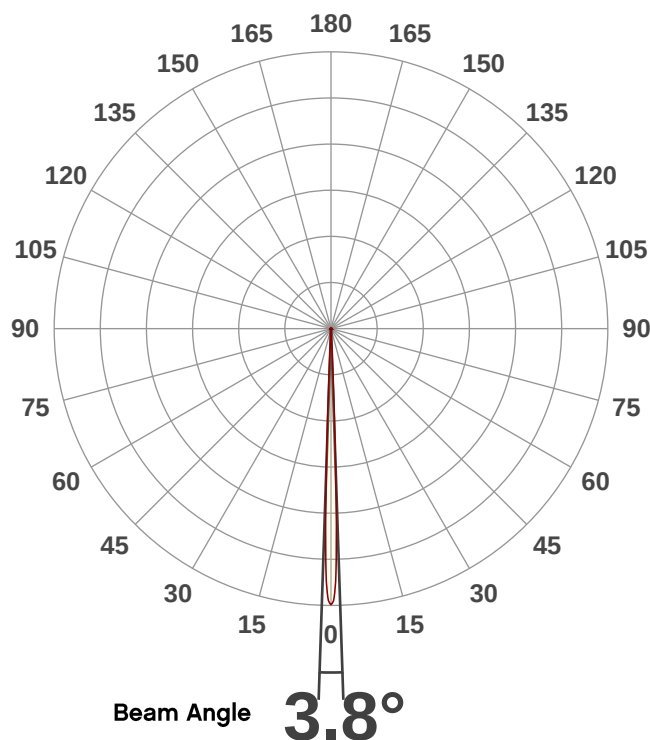
Current: 0.674 A

Power Factor: 0.98

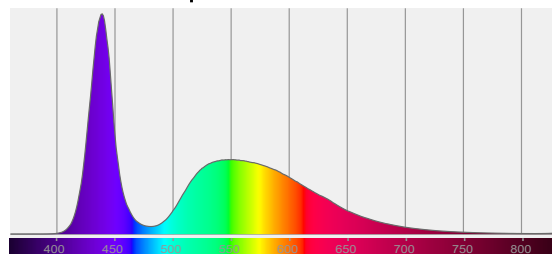
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/28/2019 to LM-63-2002 Standards.

Overall Measurement

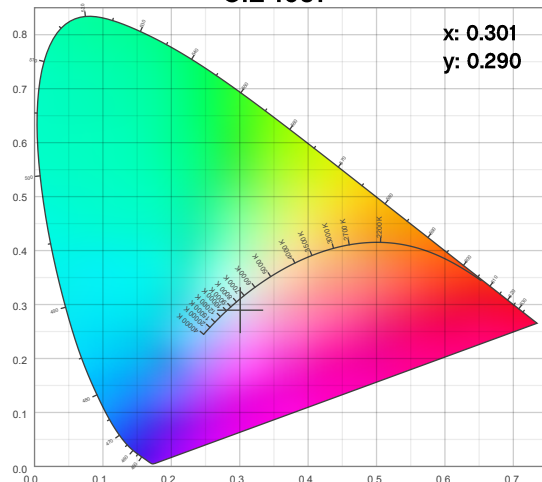
Angular Beam Distribution



Spectral Distribution



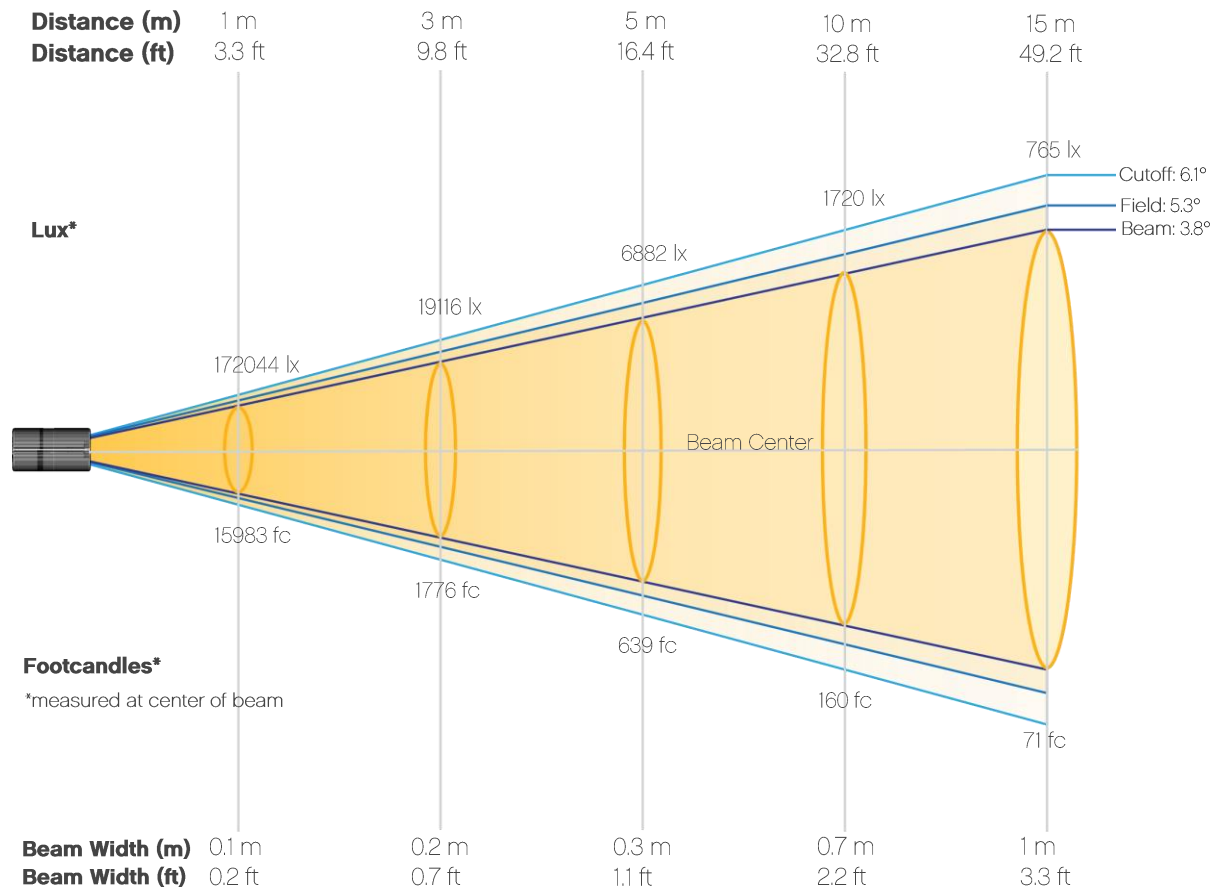
CIE 1931



Photometric Report

Rogue R1 BW: Full Spot, White Only

Beam Details



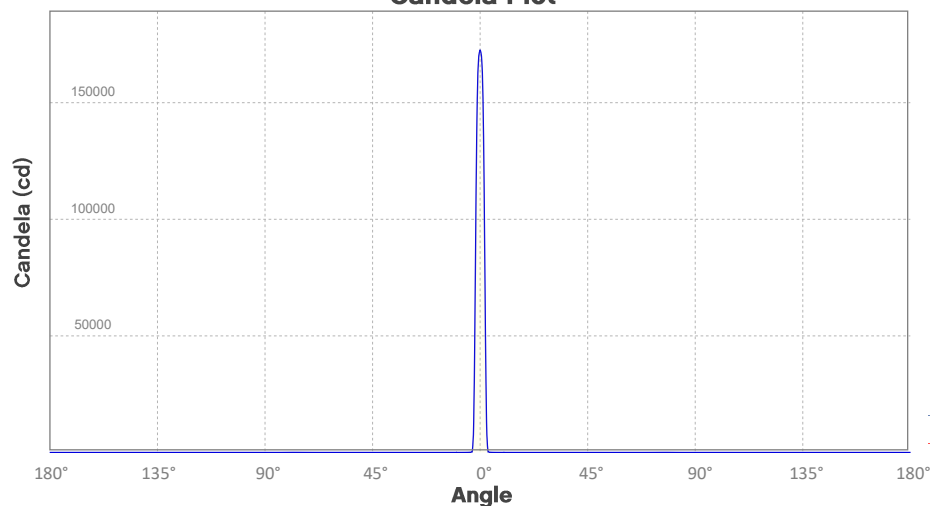
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	172044	43011	19116	10753	6882	4779	3511	2688	2124	1720
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1422	1195	1018	878	765	672	595	531	477	430
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15983	3996	1776	999	639	444	326	250	197	160
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	132	111	95	82	71	62	55	49	44	40

Photometric Report

Rogue R1 BW: Full Spot, White Only

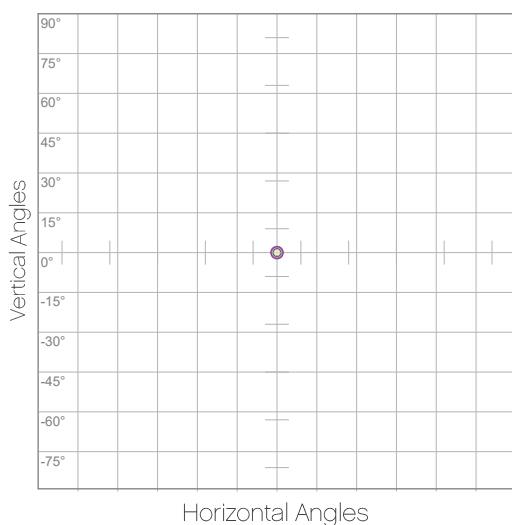
Candela Plot



Beam Angle (50%): 3.8°
Field Angle (10%): 5.3°
Cutoff Angle (3%): 6.1°

— Horizontal Distribution
— Vertical Distribution

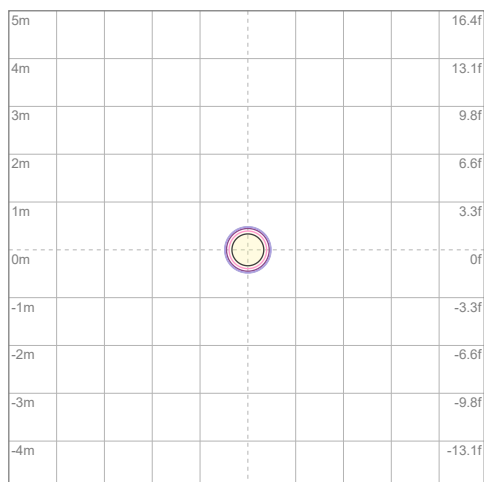
Polar Diagrams



iso-candela Diagram

10%	17204 cd
20%	34409 cd
30%	51613 cd
40%	68818 cd
50%	86022 cd
60%	103226 cd
70%	120431 cd
80%	137635 cd
90%	154840 cd

Conditions:
Number of c-planes: 2
Candela at center: 172044 cd



iso-illuminance Diagram

3%	51.6 lx
5%	86.0 lx
10%	172 lx
30%	516 lx
50%	860 lx

Conditions:
Number of c-planes: 2
Lux at center: 1720 lx

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

Mounting height: 10 meters / 33 feet

Contact Us

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Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.

