

PHOTOMETRICS REPORT

ROGUE 
OUTCAST
1 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 Outcast 1 BW: Full Flood, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 3809 lm
Peak Intensity: 11115 cd
Illuminance @ 5m: 445 lux
Fixture Efficacy: 14 lm/W

Optical

Horizontal Beam Angle (50%): 36.2°
Vertical Beam Angle (50%): 36.2°
Horizontal Field Angle (10%): 50°
Vertical Field Angle (10%): 50°
Horizontal Cutoff Angle (3%): 55.7°
Vertical Cutoff Angle (3%): 55.7°

Conditions

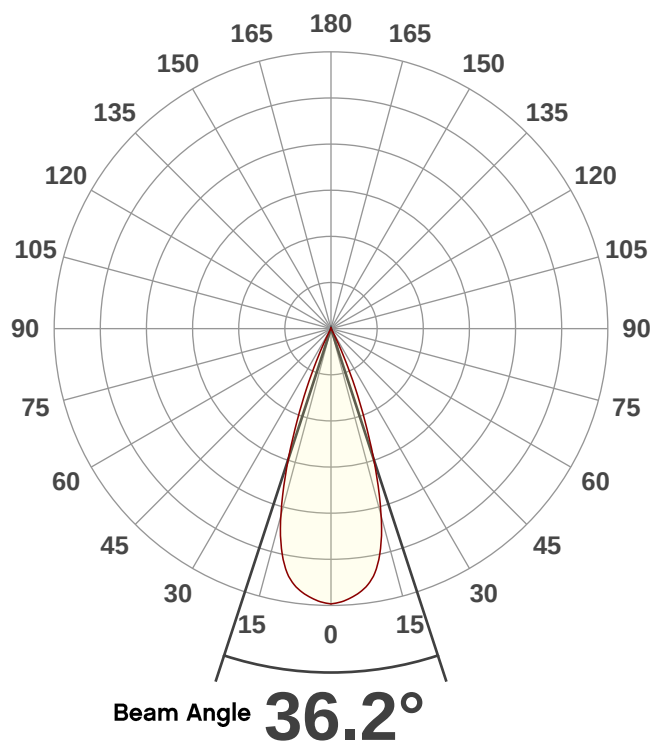
AC Supply: 119 V, 60 Hz
Power: 285.0 W
Current: 2.40 A
Power Factor: 0.99



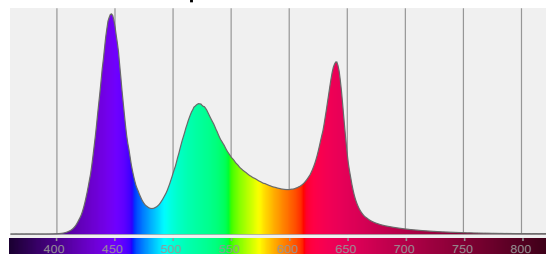
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/6/2021 to LM-63-2002 Standards.

Overall Measurement

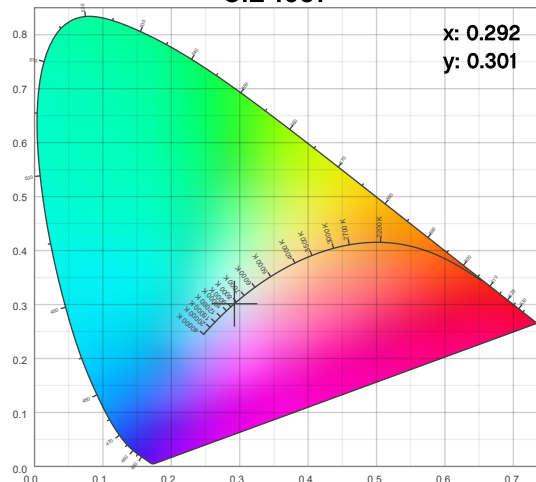
Angular Beam Distribution



Spectral Distribution



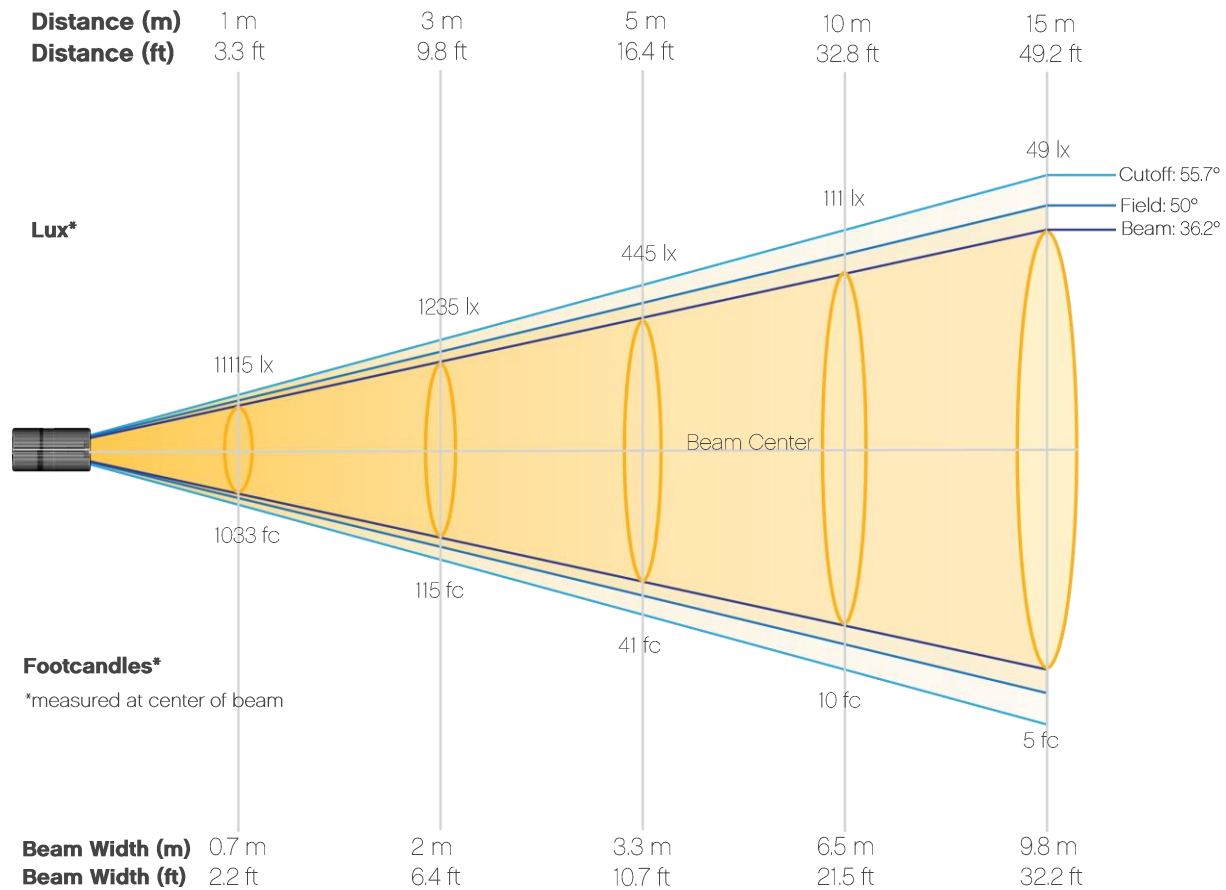
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Beam Details



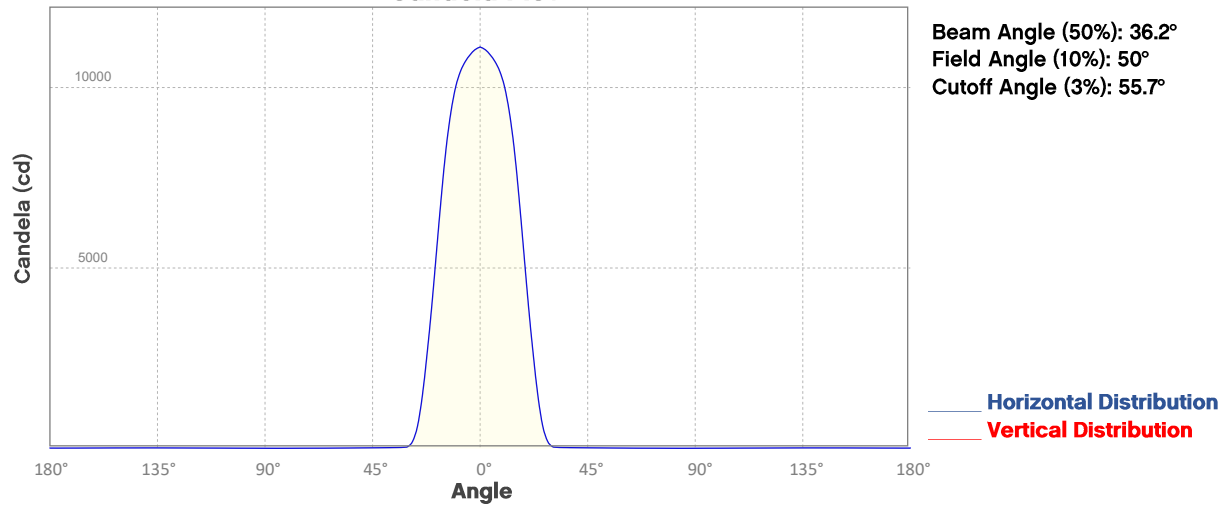
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11115	2779	1235	695	445	309	227	174	137	111
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	92	77	66	57	49	43	38	34	31	28
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1033	258	115	65	41	29	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	7	6	5	5	4	4	3	3	3

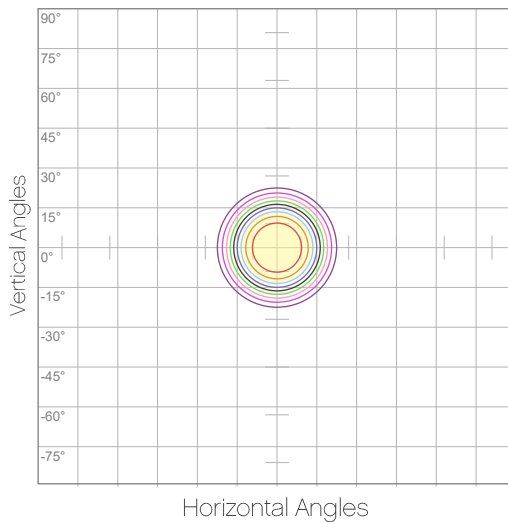
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Candela Plot



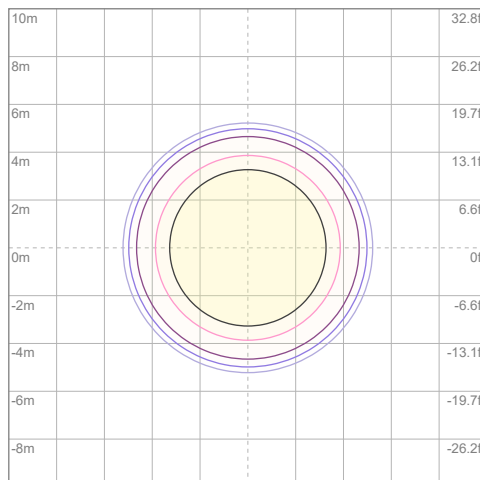
Polar Diagrams



iso-candela Diagram

10%	1111 cd
20%	2223 cd
30%	3334 cd
40%	4446 cd
50%	5557 cd
60%	6669 cd
70%	7780 cd
80%	8892 cd
90%	10003 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11115 cd



iso-illuminance Diagram

3%	3.33 lx
5%	5.56 lx
10%	11.1 lx
30%	33.3 lx
50%	55.6 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 111 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 Outcast 1 BW: Full Flood, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 3976 lm
Peak Intensity: 11655 cd
Illuminance @ 5m: 466 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 36.1°
Vertical Beam Angle (50%): 36.1°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.5°
Vertical Cutoff Angle (3%): 55.5°

Conditions

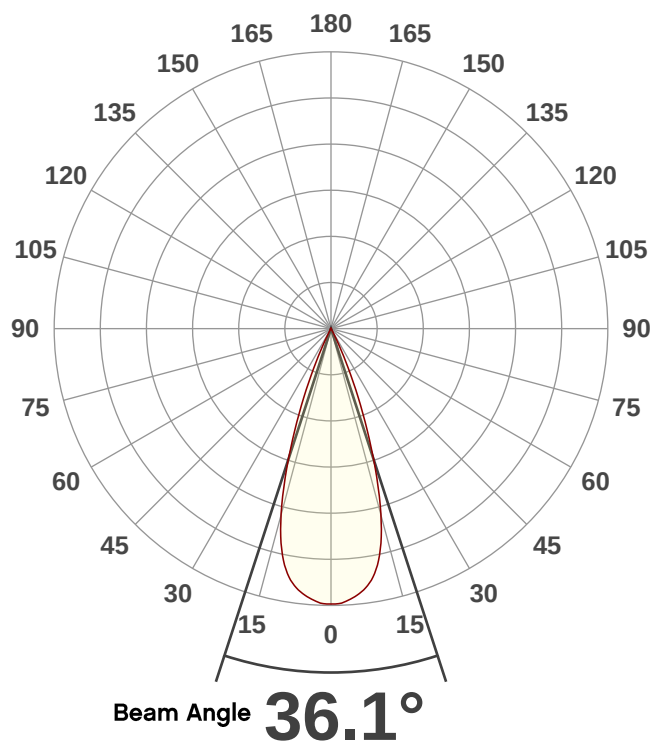
AC Supply: 118 V, 60 Hz
Power: 360.65 W
Current: 3.06 A
Power Factor: 0.99



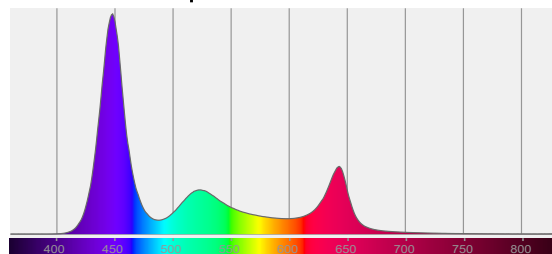
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/6/2021 to LM-63-2002 Standards.

Overall Measurement

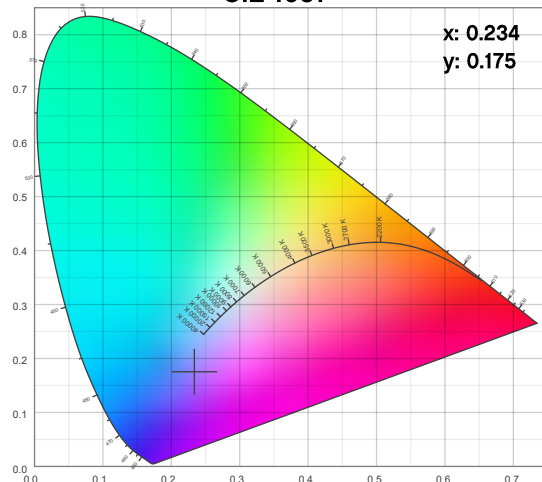
Angular Beam Distribution



Spectral Distribution



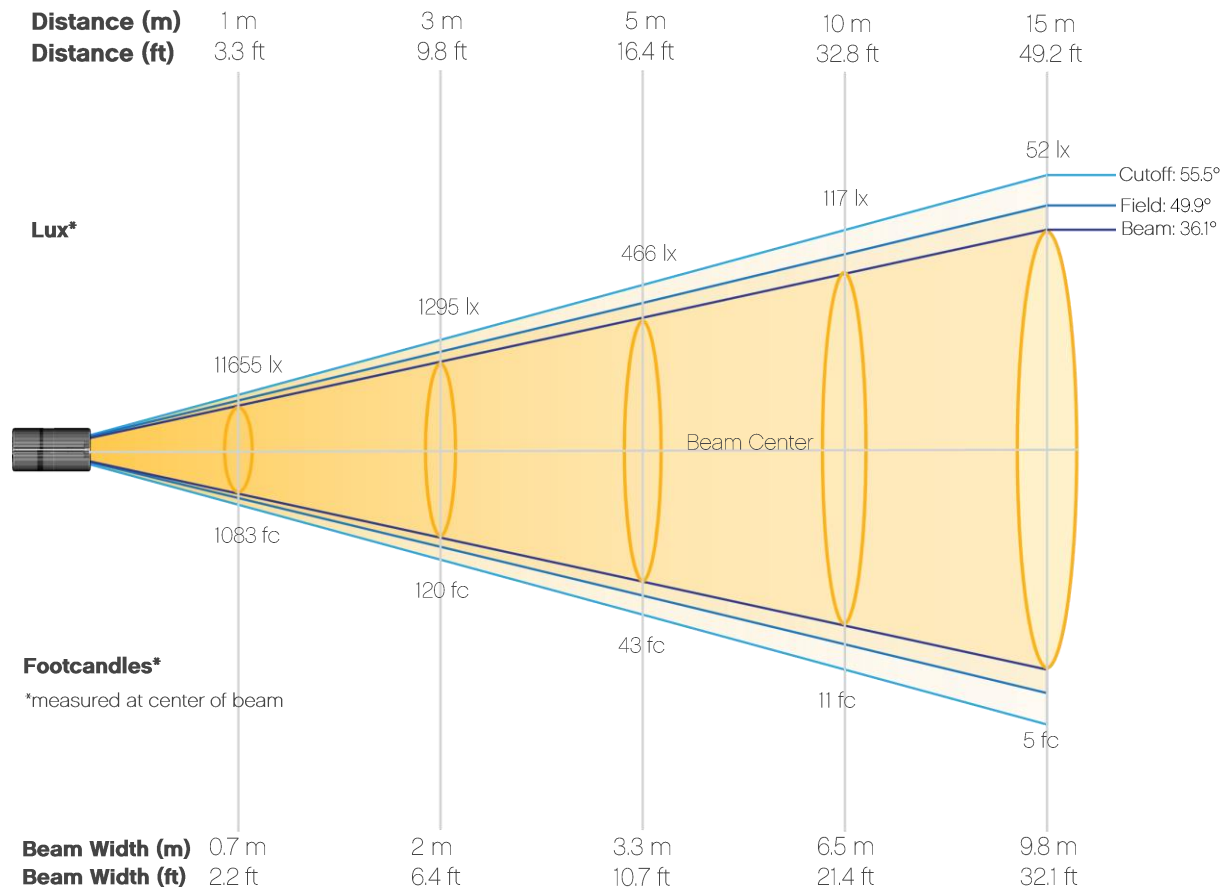
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Beam Details



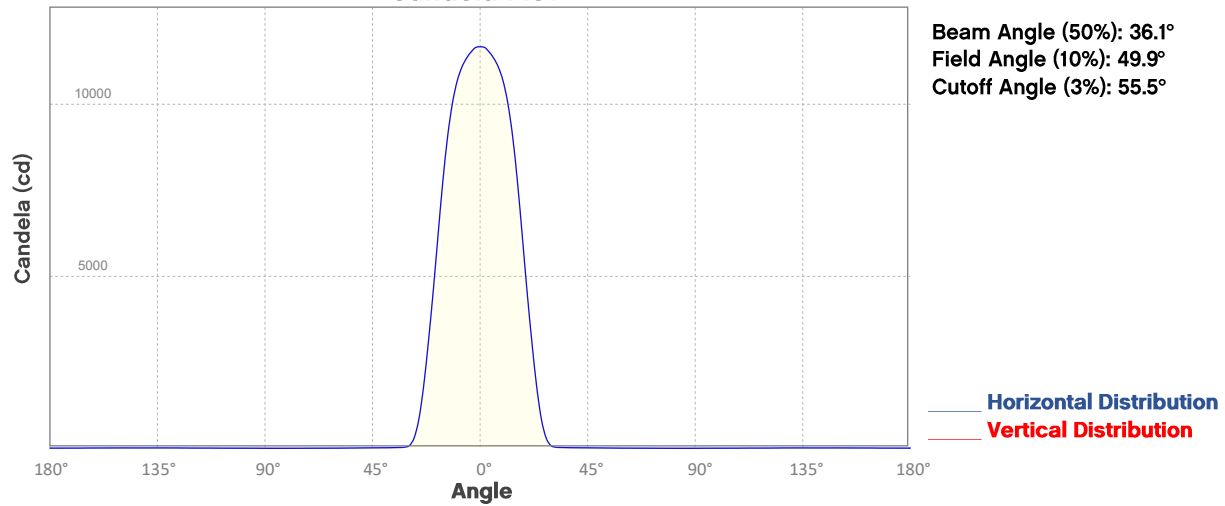
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11655	2914	1295	728	466	324	238	182	144	117
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	96	81	69	59	52	46	40	36	32	29
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1083	271	120	68	43	30	22	17	13	11
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	8	6	6	5	4	4	3	3	3

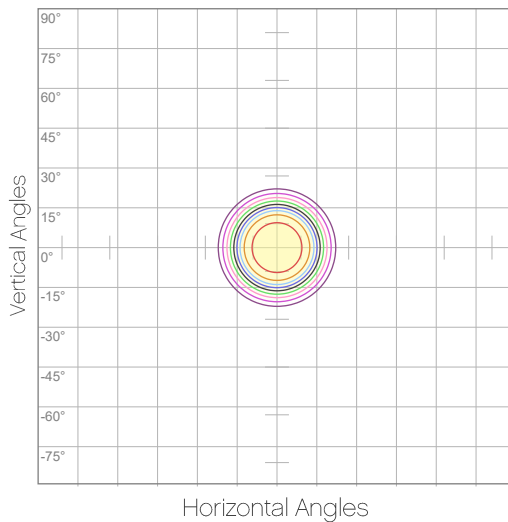
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Candela Plot



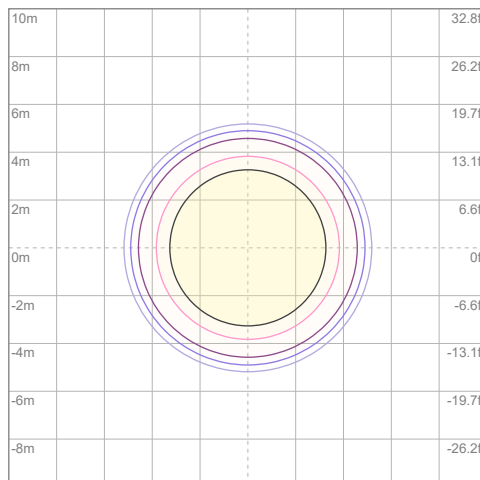
Polar Diagrams



iso-candela Diagram

10%	1166 cd
20%	2331 cd
30%	3497 cd
40%	4662 cd
50%	5828 cd
60%	6993 cd
70%	8159 cd
80%	9324 cd
90%	10490 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11655 cd



iso-illuminance Diagram

3%	3.50 lx
5%	5.83 lx
10%	11.7 lx
30%	35.0 lx
50%	58.3 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 117 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 Outcast 1 BW: Full Flood, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 3739 lm
Peak Intensity: 10869 cd
Illuminance @ 5m: 435 lux
Fixture Efficacy: 13 lm/W

Optical

Horizontal Beam Angle (50%): 36.3°
Vertical Beam Angle (50%): 36.3°
Horizontal Field Angle (10%): 50°
Vertical Field Angle (10%): 50°
Horizontal Cutoff Angle (3%): 55.4°
Vertical Cutoff Angle (3%): 55.4°

Conditions

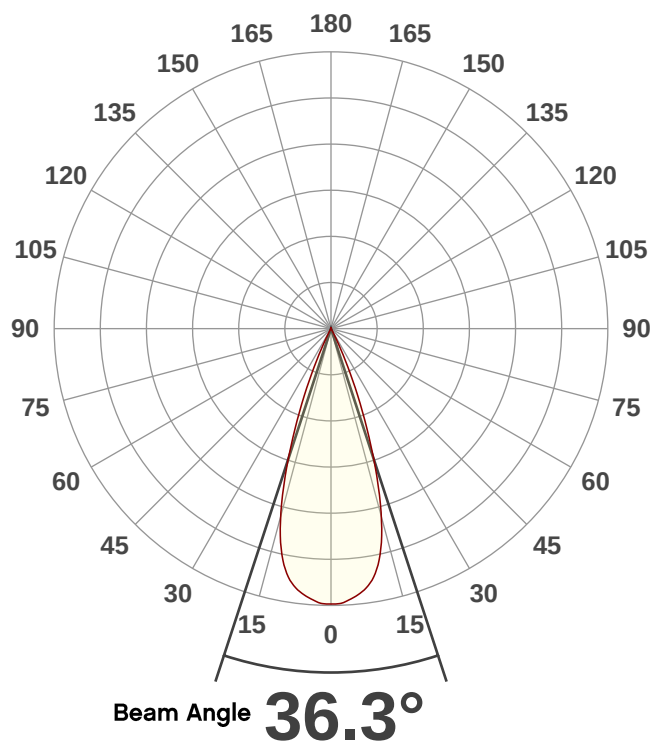
AC Supply: 119 V, 60 Hz
Power: 282.24 W
Current: 2.38 A
Power Factor: 0.99



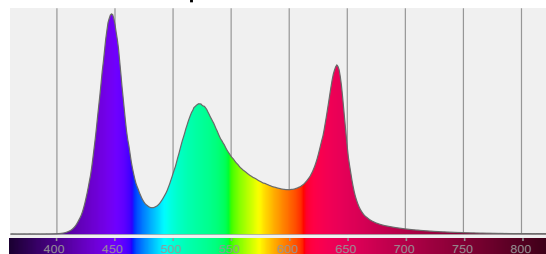
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Overall Measurement

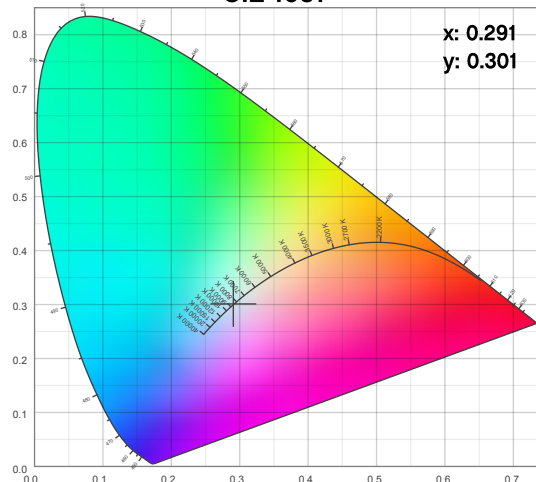
Angular Beam Distribution



Spectral Distribution



CIE 1931



Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Distance (m)

Distance (ft) 3.3 ft

3 m

9.8 ft

5 m

16.4 ft

10 m

32.8 ft

15 m

49.2 ft

Lux*

48 lx

- Cutoff: 55.4°

- Field: 50°

- Beam: 36.3°

109 lx

435 lx

1208 lx

10869 lx



Beam Center

1010 fc

112 fc

40 fc

10 fc

4 fC

Footcandles*

*measured at center of beam

Beam Width (m) 0.7 m

Beam Width (ft) 2.2 ft

2 m

6.4 ft

3.3 m

10.7 ft

6.6 m

21.5 ft

9.8 m

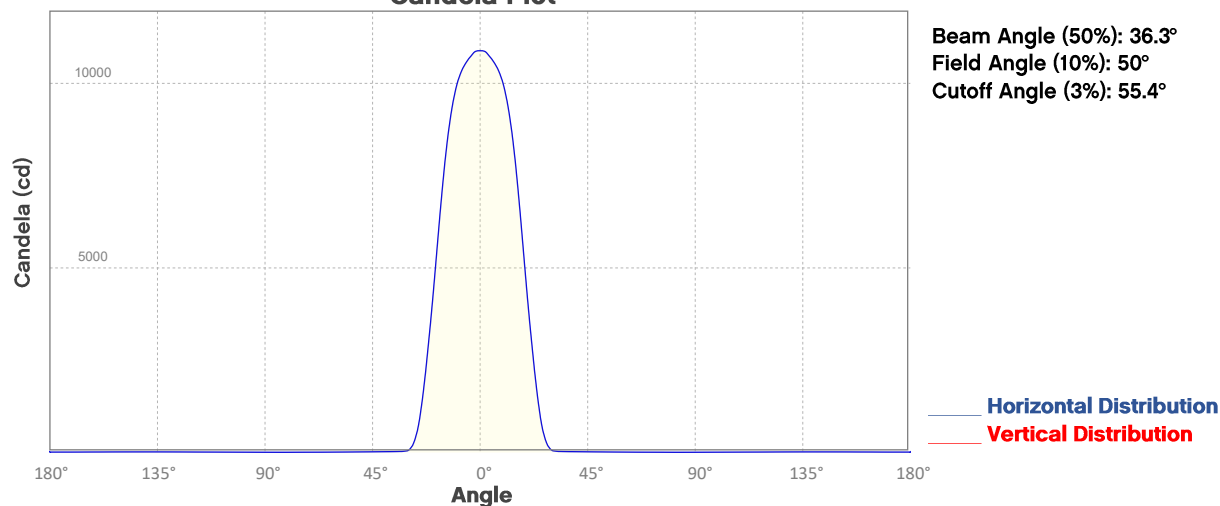
32.2 ft

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	10869	2717	1208	679	435	302	222	170	134	109
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	90	75	64	55	48	42	38	34	30	27
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1010	252	112	63	40	28	21	16	12	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	8	7	6	5	4	4	3	3	3	3

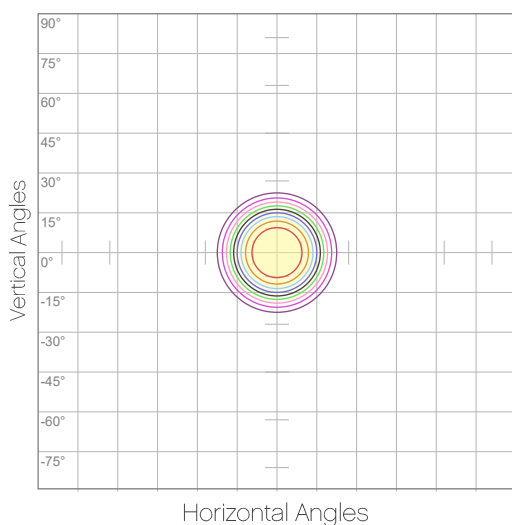
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Candela Plot



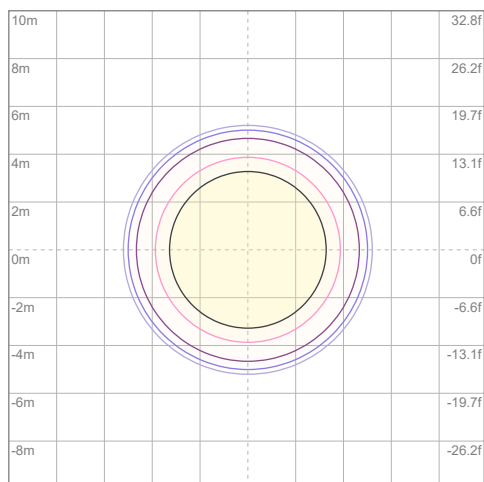
Polar Diagrams



iso-candela Diagram

10%	1087 cd
20%	2174 cd
30%	3261 cd
40%	4348 cd
50%	5435 cd
60%	6522 cd
70%	7608 cd
80%	8695 cd
90%	9782 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 10869 cd



iso-illuminance Diagram

3%	3.26 lx
5%	5.43 lx
10%	10.9 lx
30%	32.6 lx
50%	54.3 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 109 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 Outcast 1 BW: Full Flood, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 3903 lm
Peak Intensity: 11419 cd
Illuminance @ 5m: 457 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 36.1°
Vertical Beam Angle (50%): 36.1°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.6°
Vertical Cutoff Angle (3%): 55.6°

Conditions

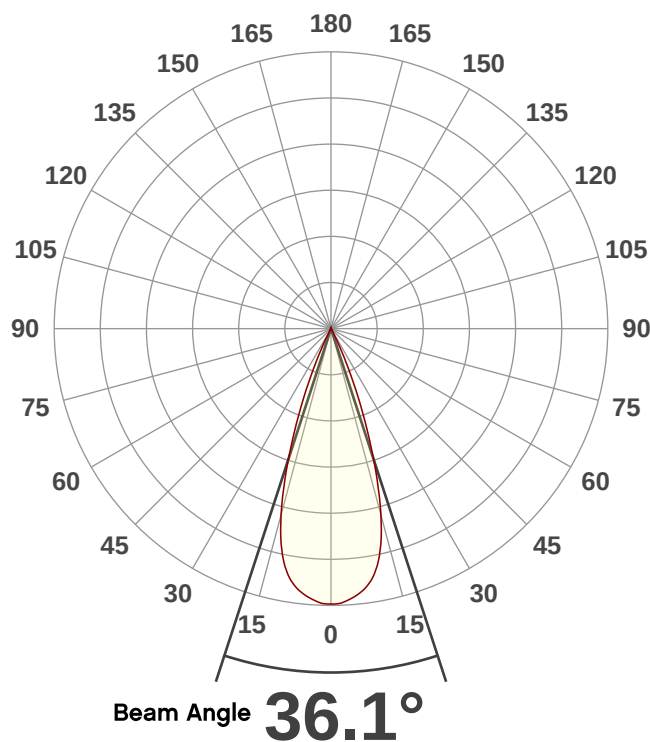
AC Supply: 118 V, 60 Hz
Power: 345.89 W
Current: 2.92 A
Power Factor: 0.99



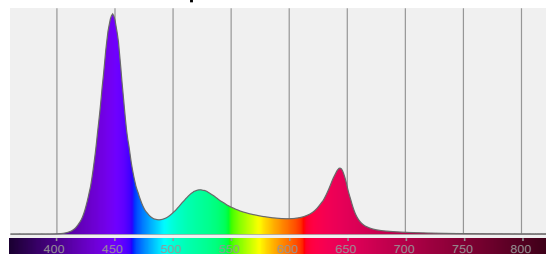
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/6/2021 to LM-63-2002 Standards.

Overall Measurement

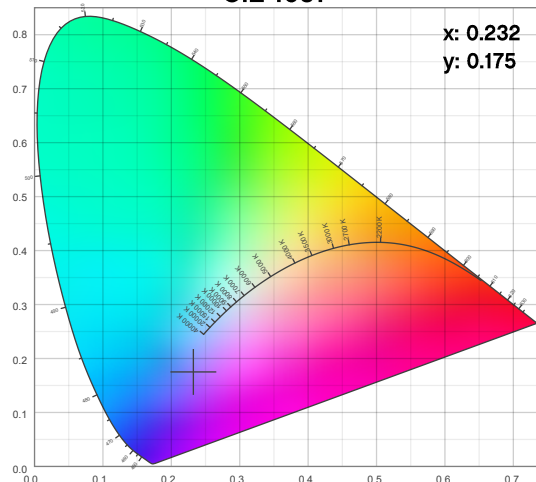
Angular Beam Distribution



Spectral Distribution



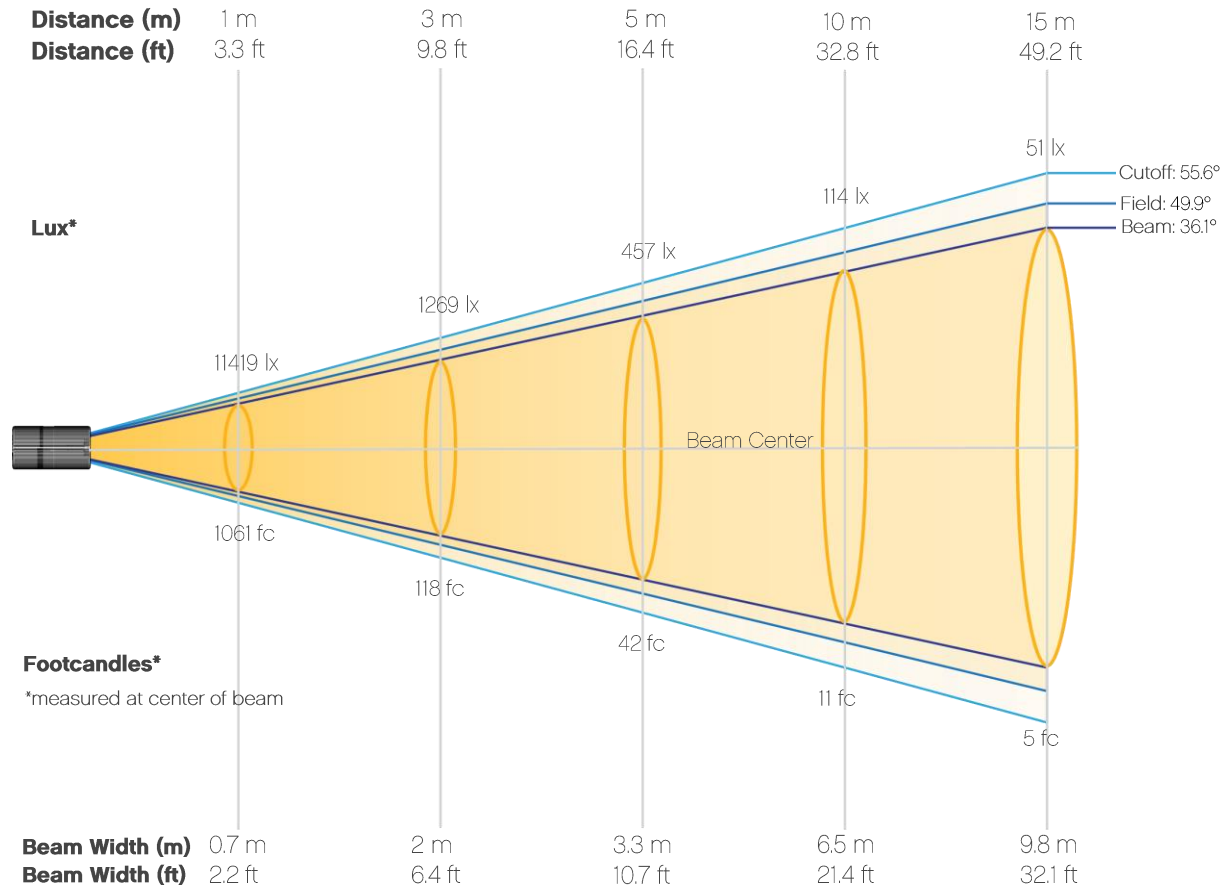
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Beam Details



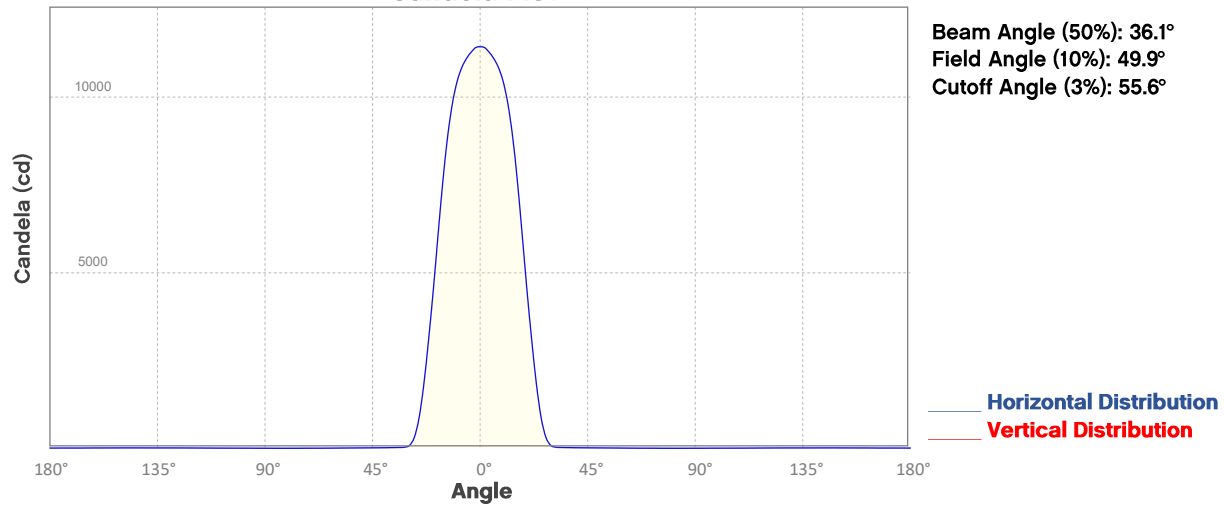
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11419	2855	1269	714	457	317	233	178	141	114
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	94	79	68	58	51	45	40	35	32	29
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1061	265	118	66	42	29	22	17	13	11
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	7	6	5	5	4	4	3	3	3

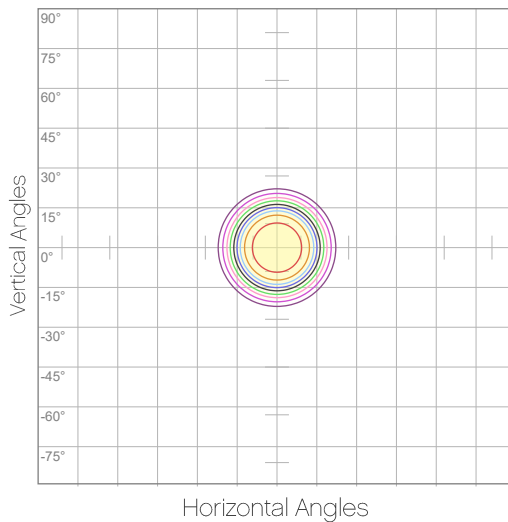
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Candela Plot



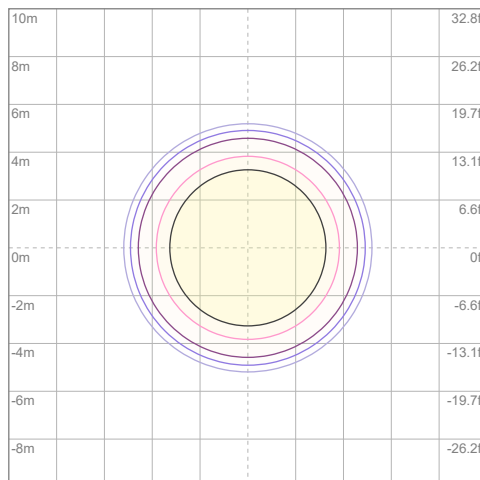
Polar Diagrams



iso-candela Diagram

10%	1142 cd
20%	2284 cd
30%	3426 cd
40%	4568 cd
50%	5709 cd
60%	6851 cd
70%	7993 cd
80%	9135 cd
90%	10277 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11419 cd



iso-illuminance Diagram

3%	3.43 lx
5%	5.71 lx
10%	11.4 lx
30%	34.3 lx
50%	57.1 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 114 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 Outcast 1 BW: Full Flood, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 3642 lm
Peak Intensity: 10603 cd
Illuminance @ 5m: 424 lux
Fixture Efficacy: 13 lm/W

Optical

Horizontal Beam Angle (50%): 36.2°
Vertical Beam Angle (50%): 36.2°
Horizontal Field Angle (10%): 50°
Vertical Field Angle (10%): 50°
Horizontal Cutoff Angle (3%): 55.8°
Vertical Cutoff Angle (3%): 55.8°

Conditions

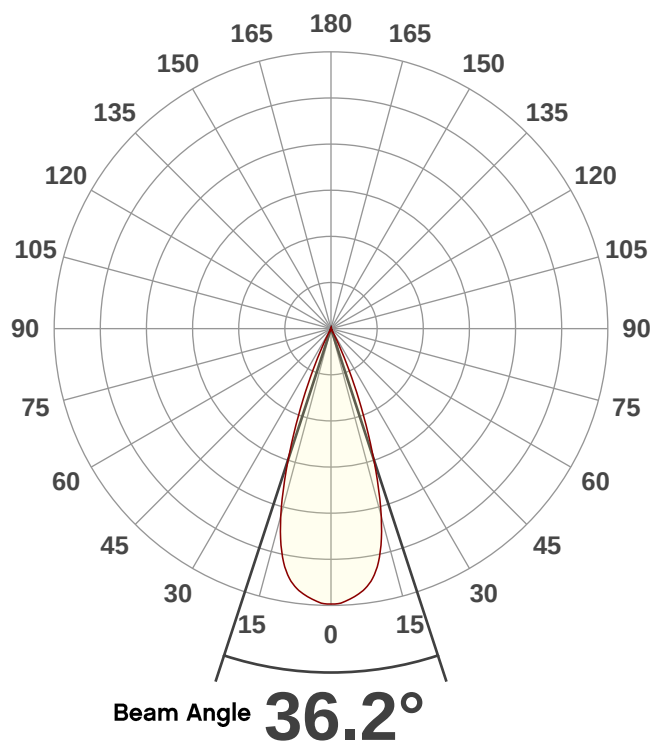
AC Supply: 118 V, 60 Hz
Power: 279.1W
Current: 2.36 A
Power Factor: 0.99



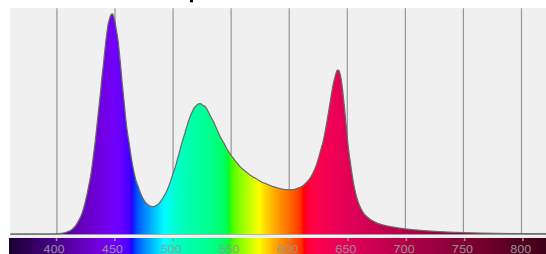
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Overall Measurement

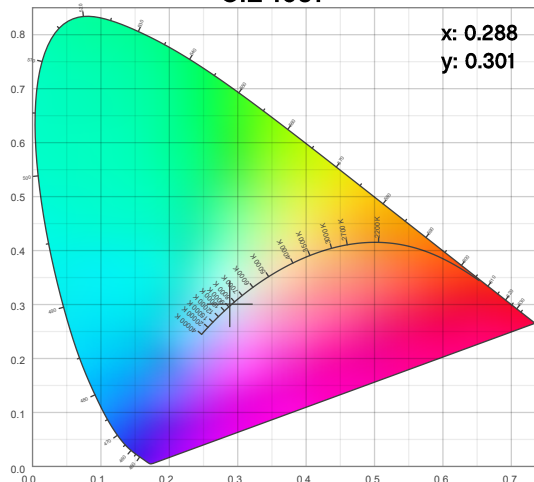
Angular Beam Distribution



Spectral Distribution



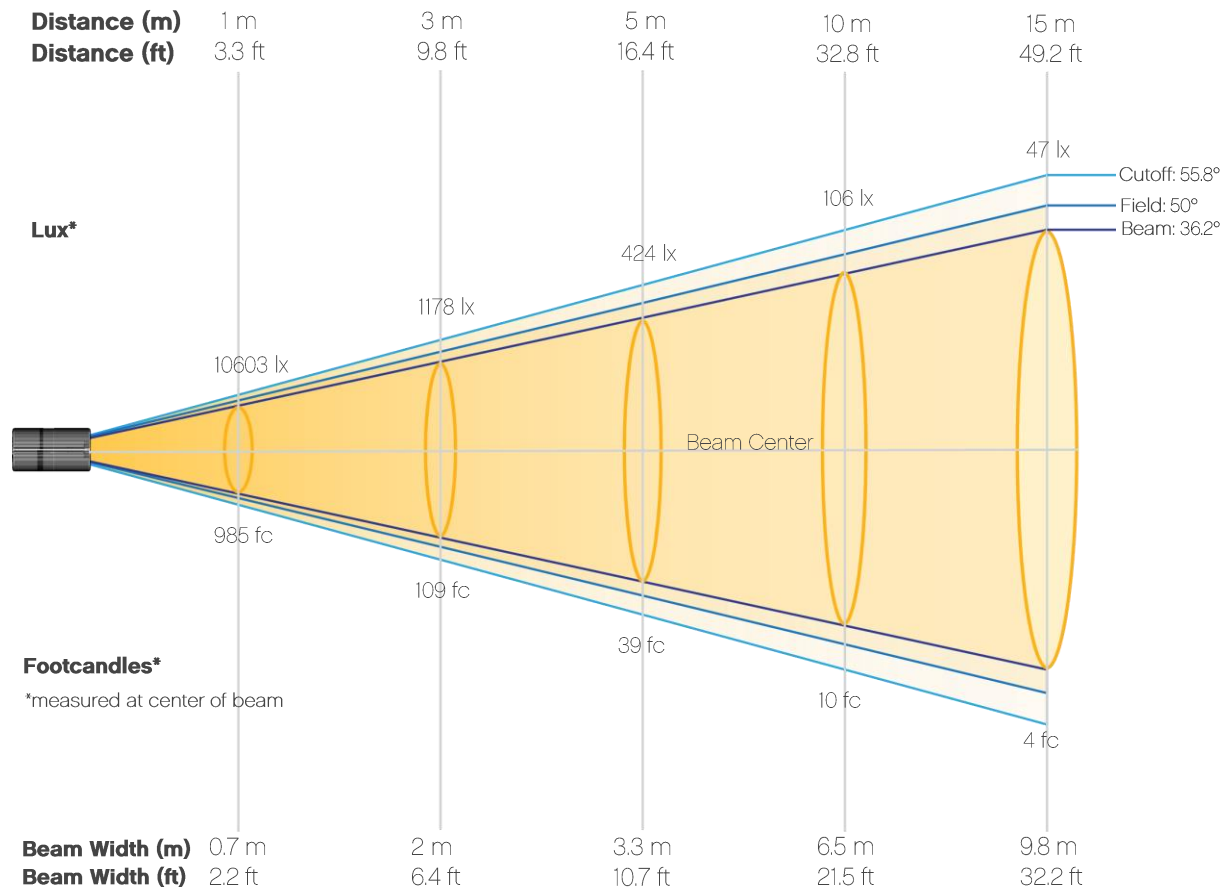
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Beam Details



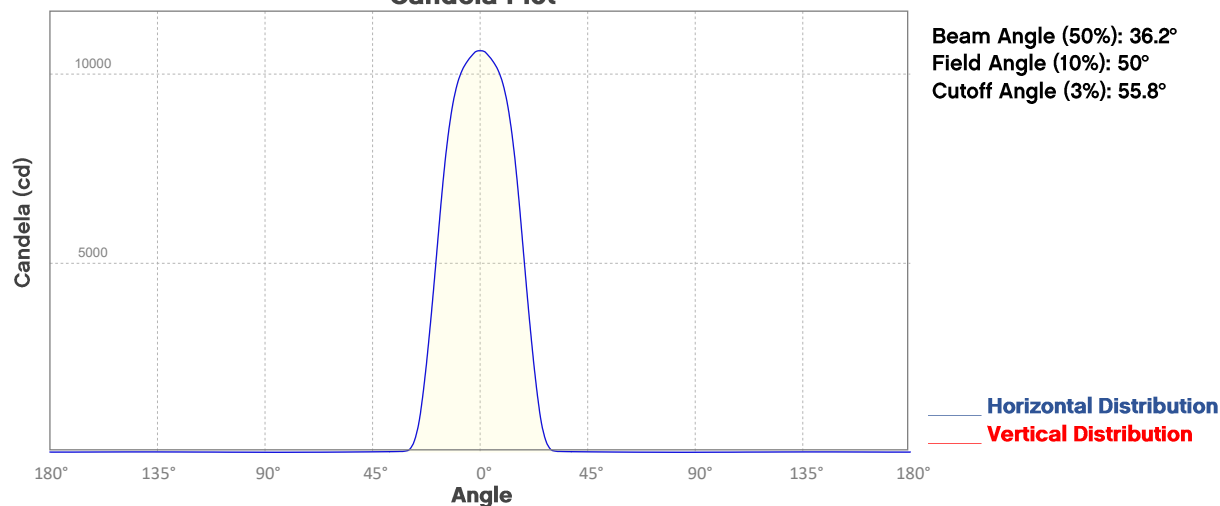
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	10603	2651	1178	663	424	295	216	166	131	106
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	88	74	63	54	47	41	37	33	29	27
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	985	246	109	62	39	27	20	15	12	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	8	7	6	5	4	4	3	3	3	2

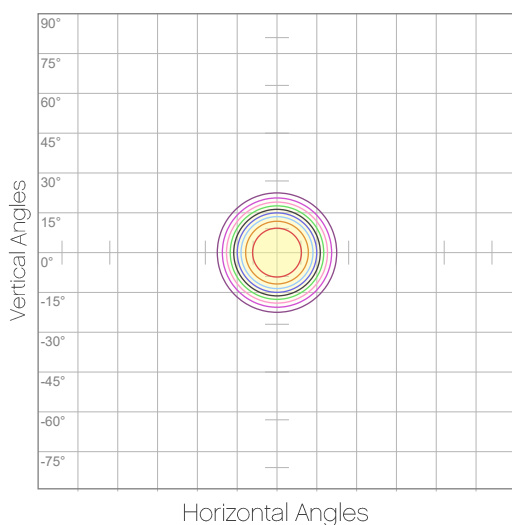
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Candela Plot



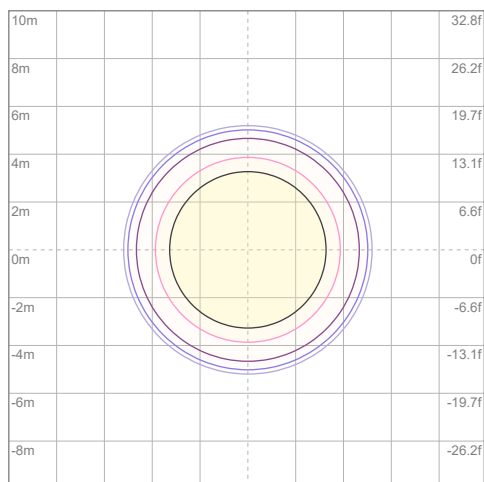
Polar Diagrams



iso-candela Diagram

10%	1060 cd
20%	2121 cd
30%	3181 cd
40%	4241 cd
50%	5302 cd
60%	6362 cd
70%	7422 cd
80%	8483 cd
90%	9543 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 10603 cd



iso-illuminance Diagram

3%	3.18 lx
5%	5.30 lx
10%	10.6 lx
30%	31.8 lx
50%	53.0 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 106 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 Outcast 1 BW: Full Flood, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 3855 lm
Peak Intensity: 11289 cd
Illuminance @ 5m: 452 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 36.1°
Vertical Beam Angle (50%): 36.1°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.4°
Vertical Cutoff Angle (3%): 55.4°

Conditions

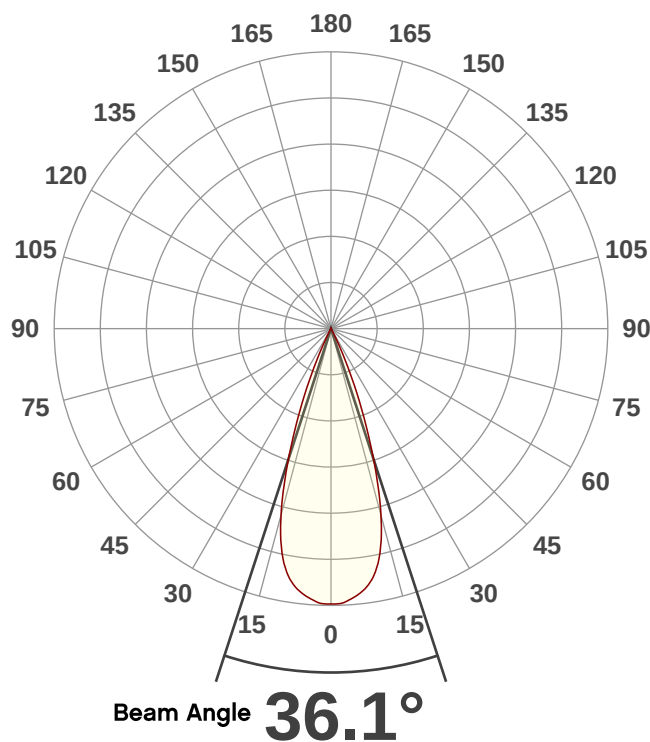
AC Supply: 118 V, 60 Hz
Power: 351.88 W
Current: 2.98 A
Power Factor: 0.99



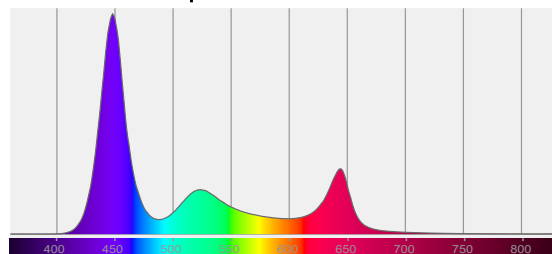
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Overall Measurement

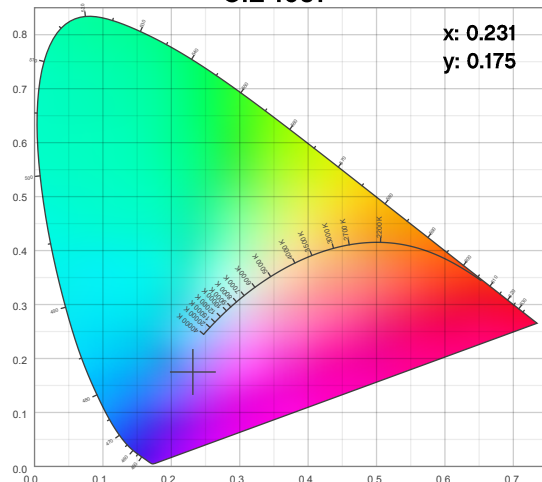
Angular Beam Distribution



Spectral Distribution



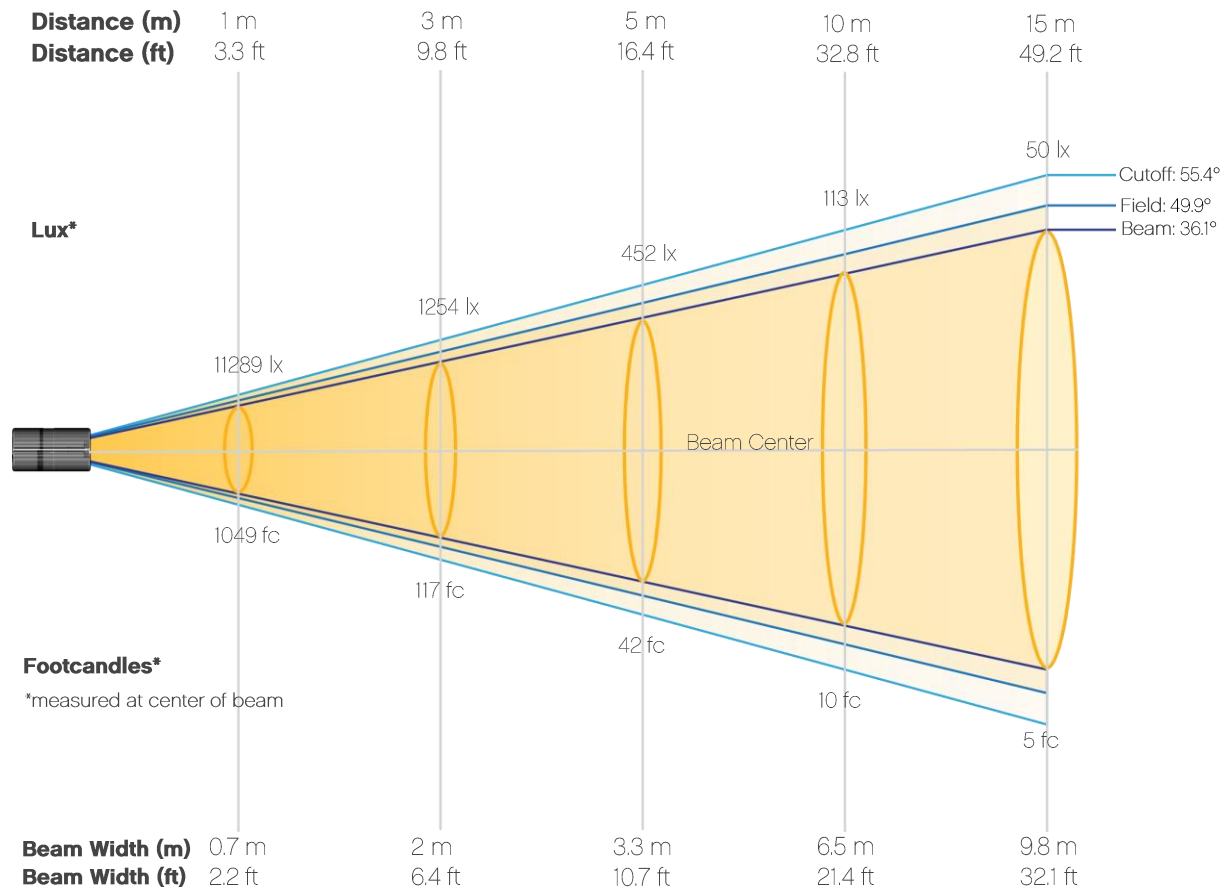
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Beam Details



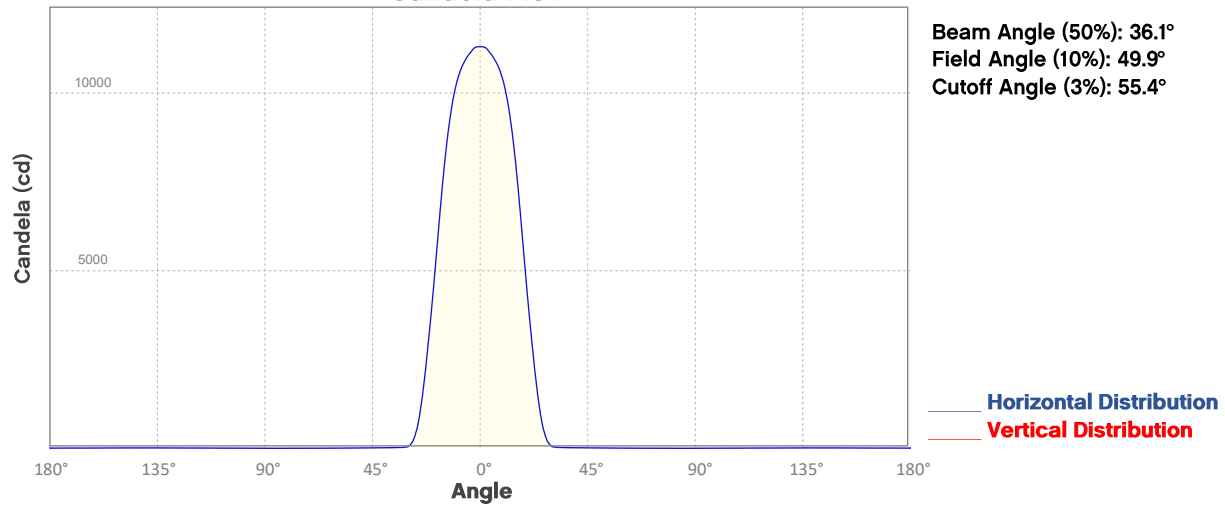
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11289	2822	1254	706	452	314	230	176	139	113
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	93	78	67	58	50	44	39	35	31	28
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1049	262	117	66	42	29	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	7	6	5	5	4	4	3	3	3

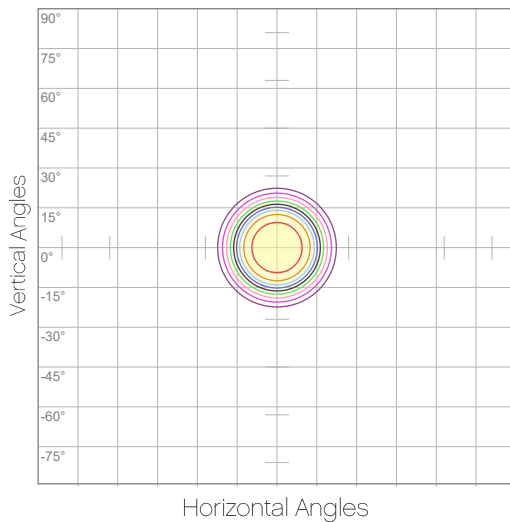
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring On

Candela Plot



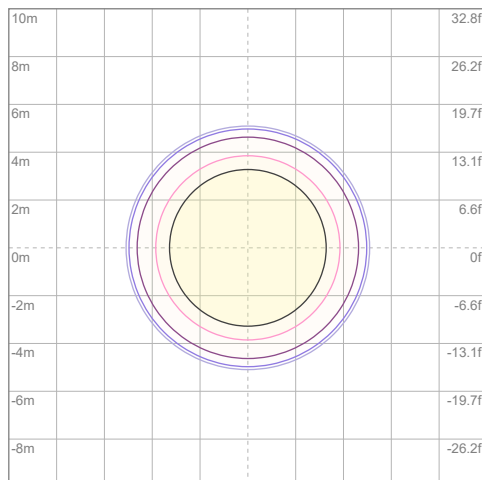
Polar Diagrams



iso-candela Diagram

10%	1129 cd
20%	2258 cd
30%	3387 cd
40%	4516 cd
50%	5645 cd
60%	6773 cd
70%	7902 cd
80%	9031 cd
90%	10160 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11289 cd



iso-illuminance Diagram

3%	3.39 lx
5%	5.64 lx
10%	11.3 lx
30%	33.9 lx
50%	56.4 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 113 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 Outcast 1 BW: 50% Zoom, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 2665 lm

Peak Intensity: 39672 cd

Illuminance @ 5m: 1587 lux

Fixture Efficacy: 9 lm/W

Optical

Horizontal Beam Angle (50%): 15.9°

Vertical Beam Angle (50%): 15.9°

Horizontal Field Angle (10%): 21.2°

Vertical Field Angle (10%): 21.2°

Horizontal Cutoff Angle (3%): 23.5°

Vertical Cutoff Angle (3%): 23.5°

Conditions

AC Supply: 119 V, 60 Hz

Power: 286.46 W

Current: 2.41 A

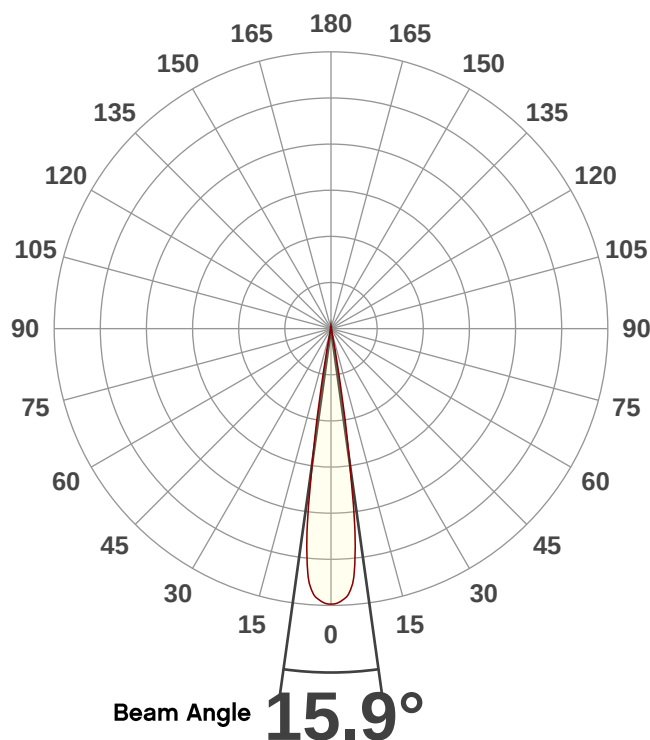
Power Factor: 0.99



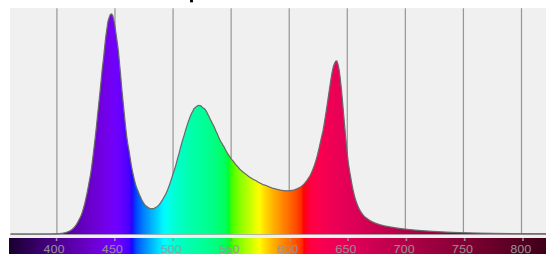
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Overall Measurement

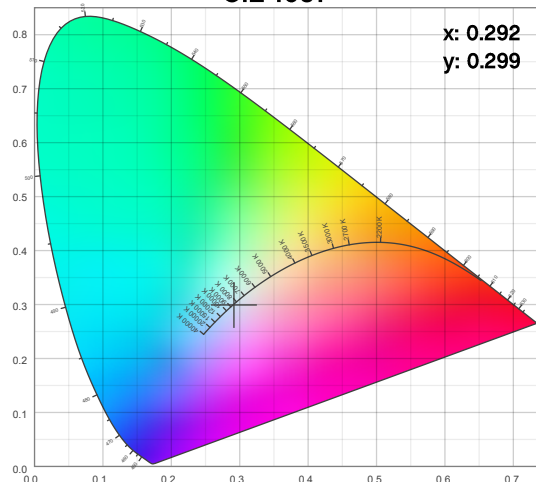
Angular Beam Distribution



Spectral Distribution



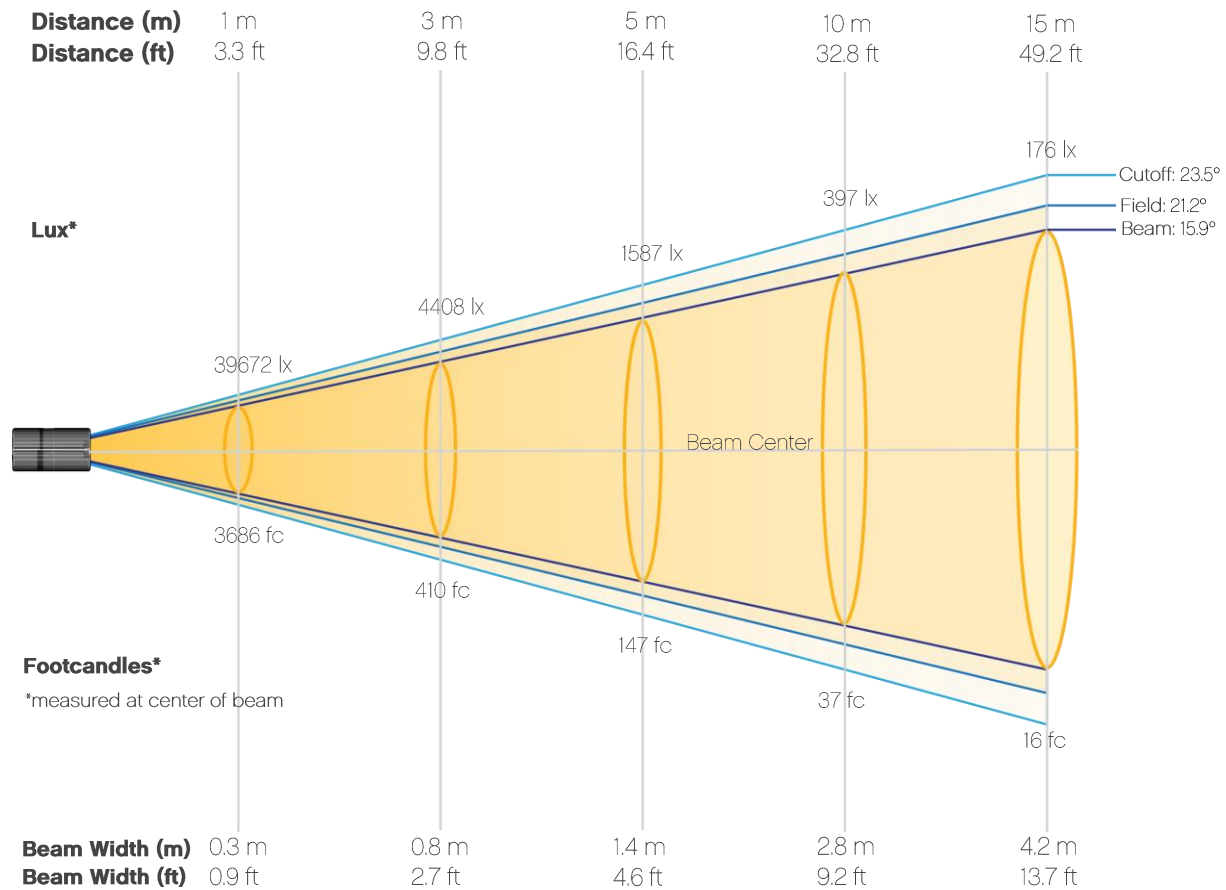
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring On

Beam Details



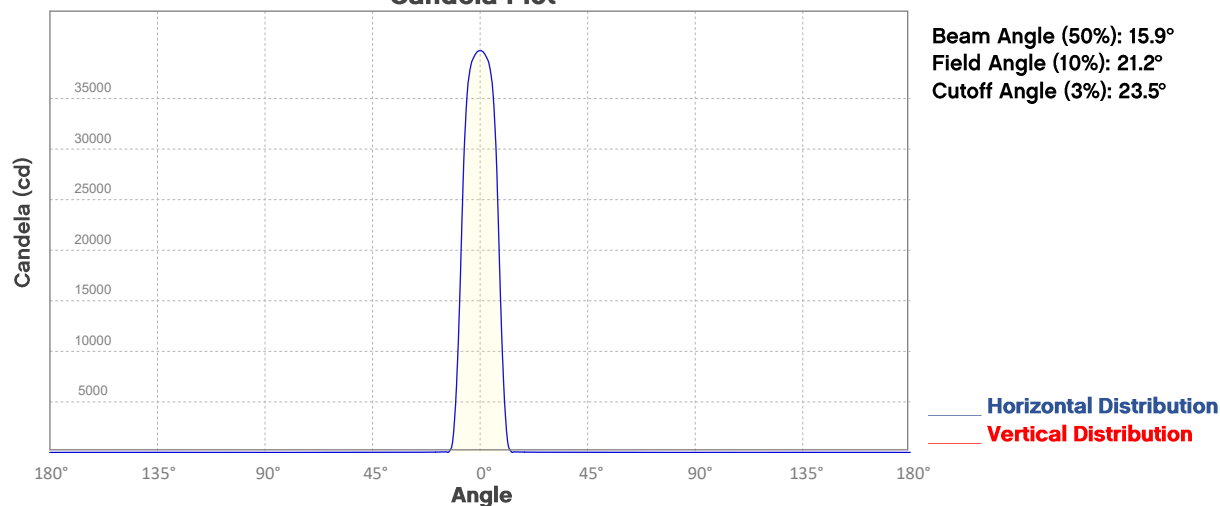
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	39672	9918	4408	2479	1587	1102	810	620	490	397
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	328	275	235	202	176	155	137	122	110	99
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3686	921	410	230	147	102	75	58	46	37
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	30	26	22	19	16	14	13	11	10	9

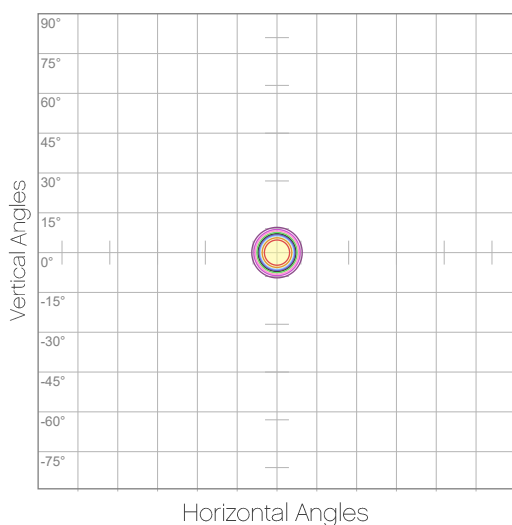
Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring On

Candela Plot



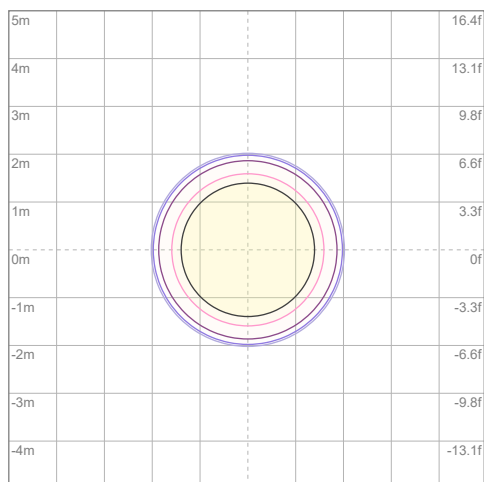
Polar Diagrams



iso-candela Diagram

10%	3967 cd
20%	7934 cd
30%	11902 cd
40%	15869 cd
50%	19836 cd
60%	23803 cd
70%	27770 cd
80%	31738 cd
90%	35705 cd

Conditions:
Number of c-planes: 2
Candela at center: 39672 cd



iso-illuminance Diagram

3%	11.9 lx
5%	19.8 lx
10%	39.7 lx
30%	119 lx
50%	198 lx

Conditions:
Number of c-planes: 2
Lux at center: 397 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 Outcast 1 BW: 50% Zoom, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 2882 lm
Peak Intensity: 42809 cd
Illuminance @ 5m: 1712 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 15.8°
Vertical Beam Angle (50%): 15.8°
Horizontal Field Angle (10%): 21.1°
Vertical Field Angle (10%): 21.1°
Horizontal Cutoff Angle (3%): 24.5°
Vertical Cutoff Angle (3%): 24.5°

Conditions

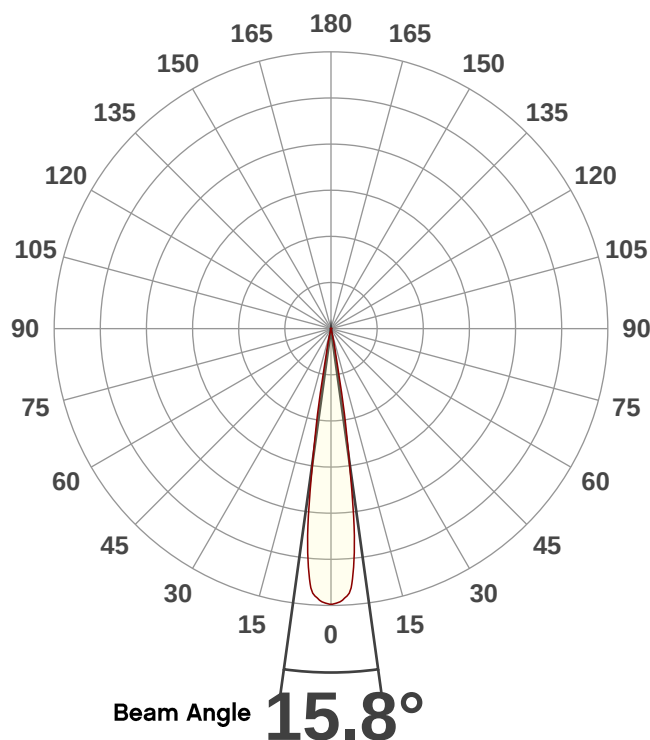
AC Supply: 118 V, 60 Hz
Power: 356.55 W
Current: 3.02 A
Power Factor: 0.99



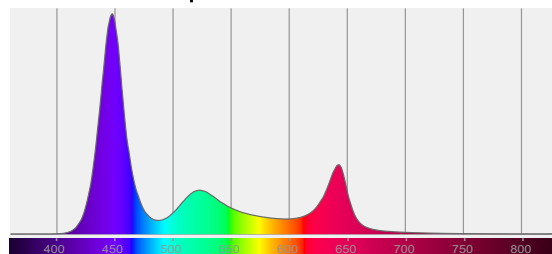
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Overall Measurement

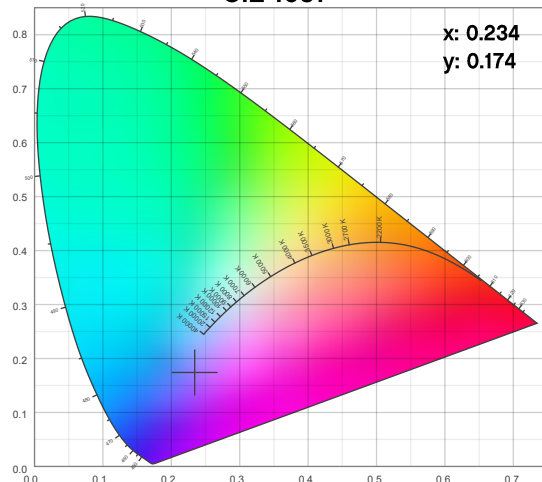
Angular Beam Distribution



Spectral Distribution



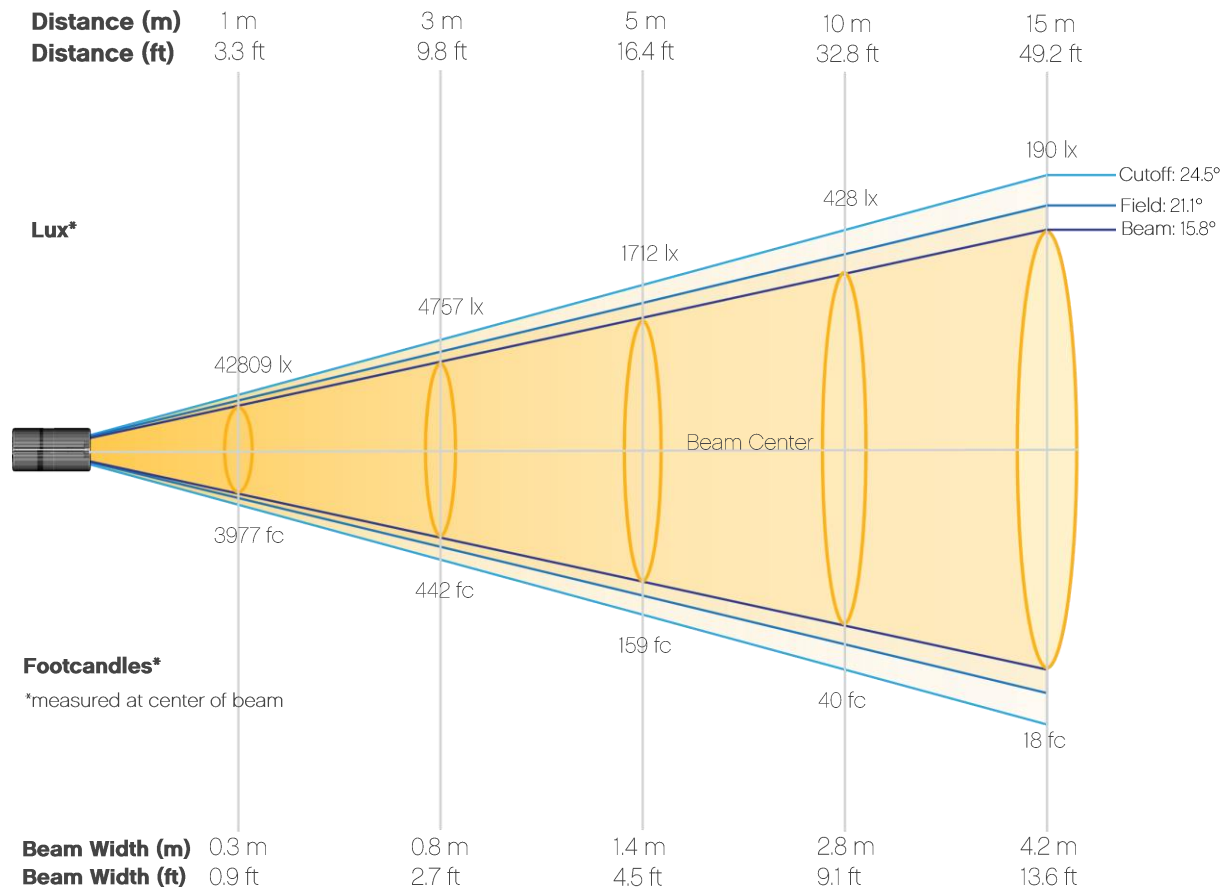
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring On

Beam Details

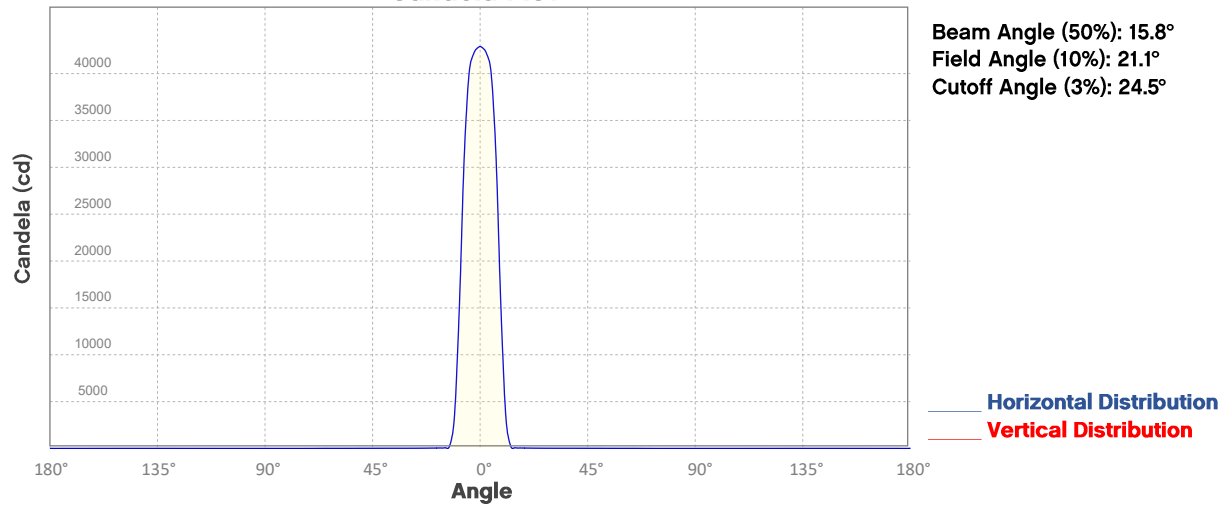


Beam Illuminances from 1-20m (3.3-65.6ft)

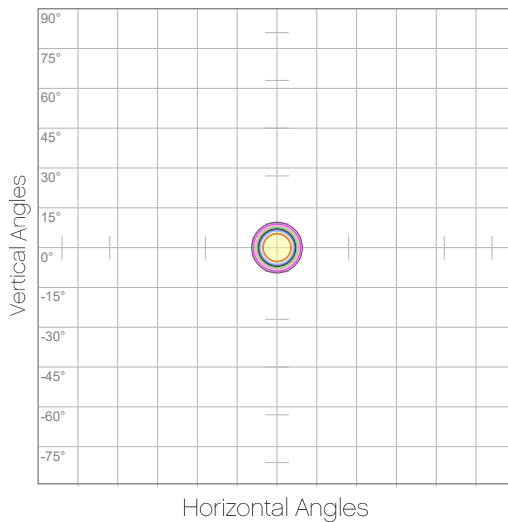
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	42809	10702	4757	2676	1712	1189	874	669	529	428
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	354	297	253	218	190	167	148	132	119	107
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3977	994	442	249	159	110	81	62	49	40
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	33	28	24	20	18	16	14	12	11	10

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring On
Candela Plot



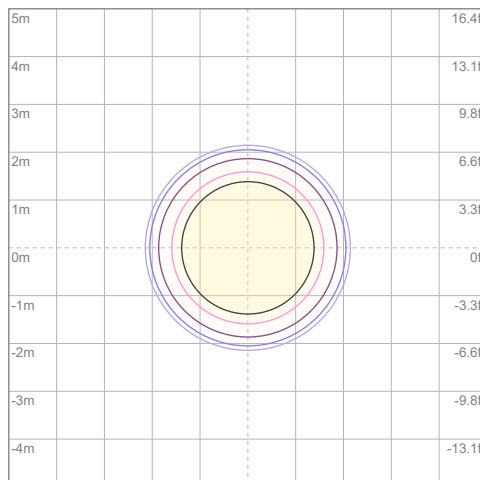
Polar Diagrams



iso-candela Diagram

10%	4281 cd
20%	8562 cd
30%	12843 cd
40%	17124 cd
50%	21405 cd
60%	25685 cd
70%	29966 cd
80%	34247 cd
90%	38528 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 42809 cd



iso-illuminance Diagram

3%	12.8 lx
5%	21.4 lx
10%	42.8 lx
30%	128 lx
50%	214 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 428 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Red Only-w/Ring On

Report Summary

Output

Total Lumens: 615 lm

Peak Intensity: 8725 cd

Illuminance @ 5m: 349 lux

Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 15.7°

Vertical Beam Angle (50%): 15.7°

Horizontal Field Angle (10%): 21.2°

Vertical Field Angle (10%): 21.2°

Horizontal Cutoff Angle (3%): 24°

Vertical Cutoff Angle (3%): 24°

Conditions

AC Supply: 120 V, 60 Hz

Power: 104.92 W

Current: 0.874 A

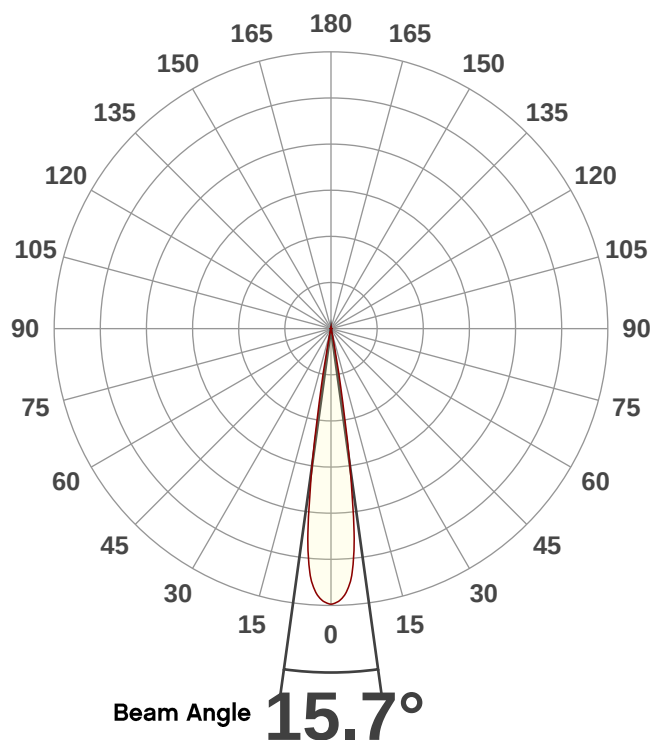
Power Factor: 0.98



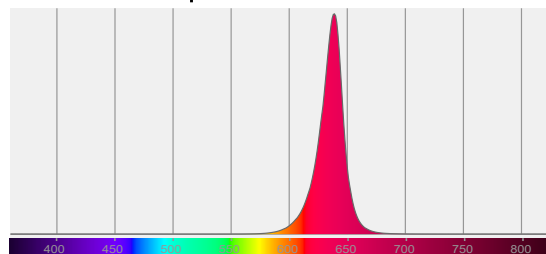
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Overall Measurement

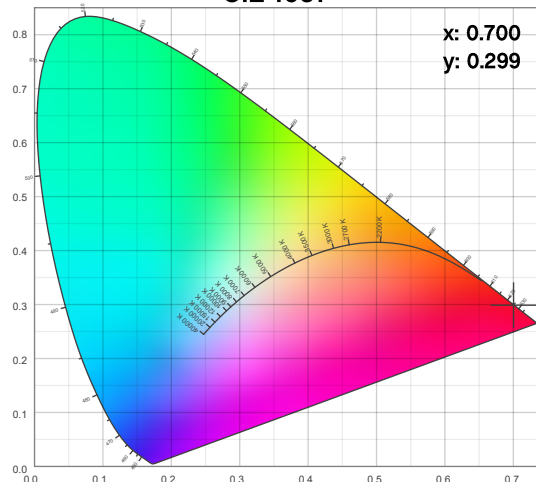
Angular Beam Distribution



Spectral Distribution



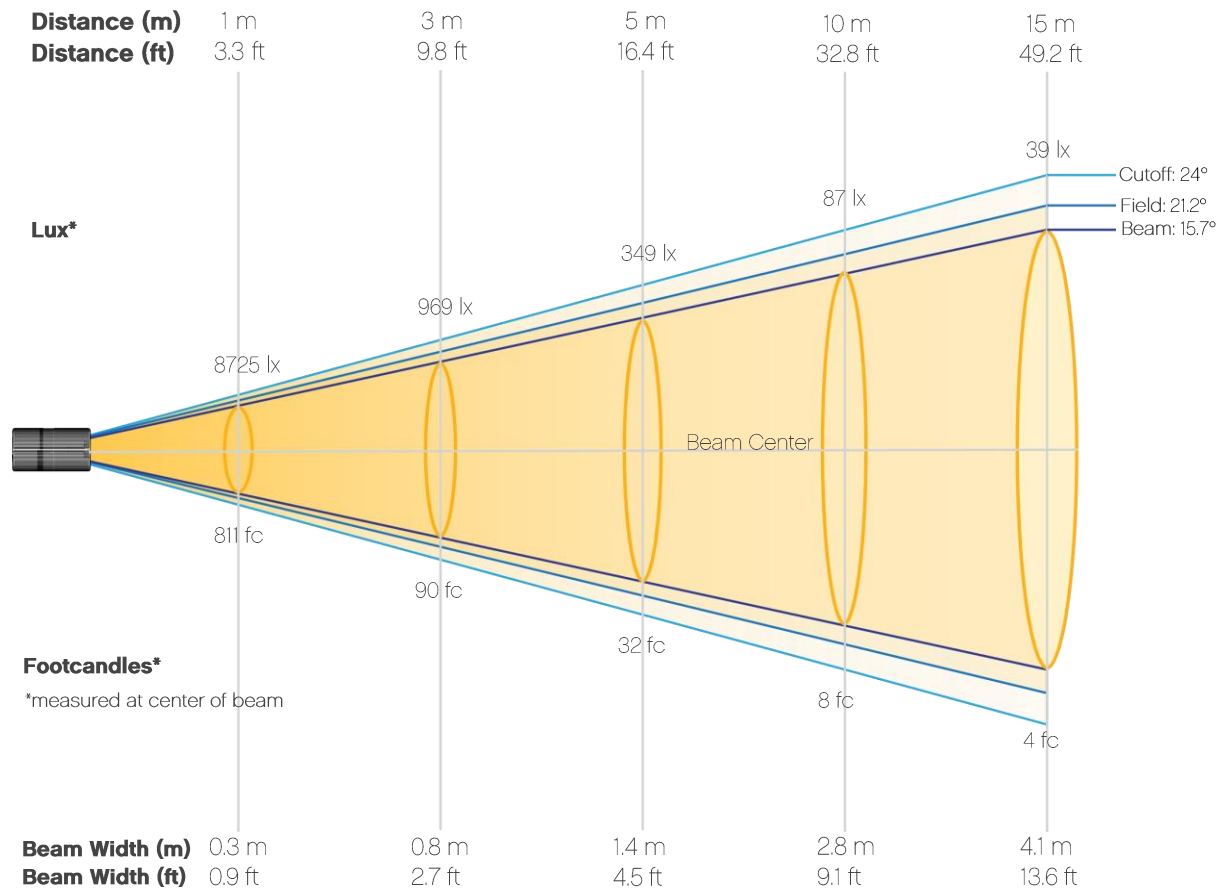
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Red Only-w/Ring On

Beam Details

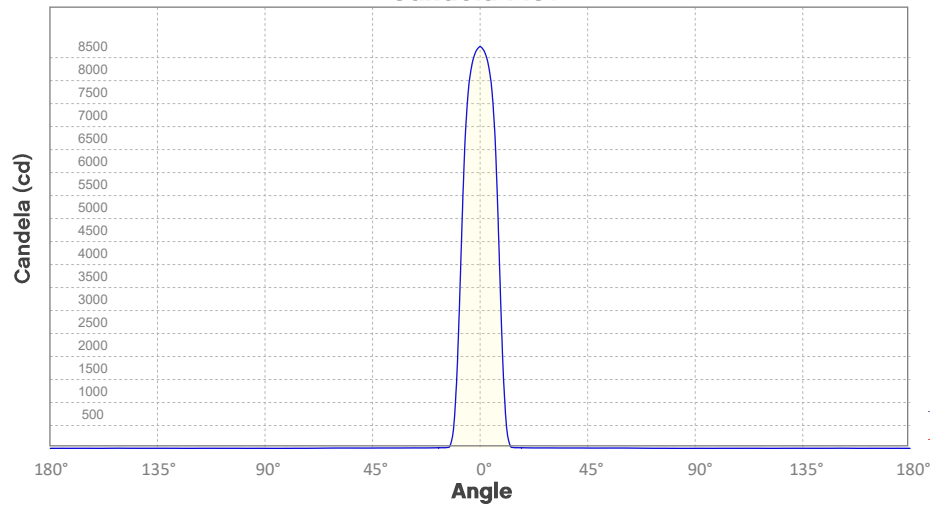


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8725	2181	969	545	349	242	178	136	108	87
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	72	61	52	45	39	34	30	27	24	22
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	811	203	90	51	32	23	17	13	10	8
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	7	6	5	4	4	3	3	3	2	2

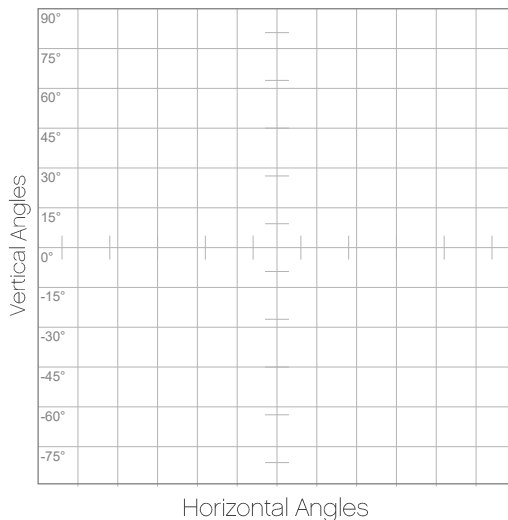
Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Red Only-w/Ring On
Candela Plot



Beam Angle (50%): 15.7°
Field Angle (10%): 21.2°
Cutoff Angle (3%): 24°

Polar Diagrams



iso-candela Diagram

10%	873 cd
20%	1745 cd
30%	2618 cd
40%	3490 cd
50%	4363 cd
60%	5235 cd
70%	6108 cd
80%	6980 cd
90%	7853 cd

Conditions:
Number of c-planes: 2
Candela at center: 8725 cd



iso-illuminance Diagram

3%	2.62 lx
5%	4.36 lx
10%	8.73 lx
30%	26.2 lx
50%	43.6 lx

Conditions:
Number of c-planes: 2
Lux at center: 87.3 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Green Only-w/Ring On

Report Summary

Output

Total Lumens: 1036 lm
Peak Intensity: 15261 cd
Illuminance @ 5m: 610 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 15.6°
Vertical Beam Angle (50%): 15.6°
Horizontal Field Angle (10%): 21°
Vertical Field Angle (10%): 21°
Horizontal Cutoff Angle (3%): 23.2°
Vertical Cutoff Angle (3%): 23.2°

Conditions

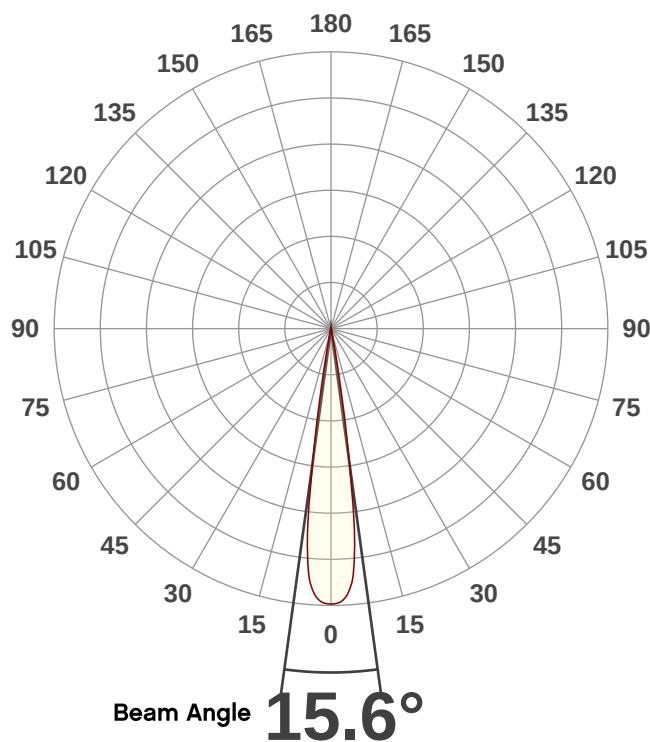
AC Supply: 119 V, 60 Hz
Power: 134.38 W
Current: 1.13 A
Power Factor: 0.99



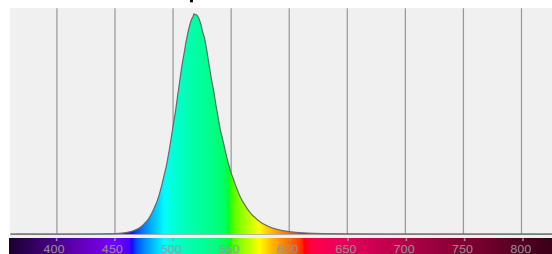
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/6/2021 to LM-63-2002 Standards.

Overall Measurement

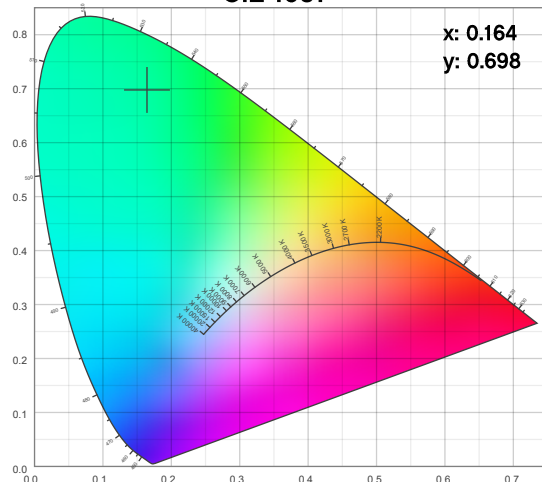
Angular Beam Distribution



Spectral Distribution



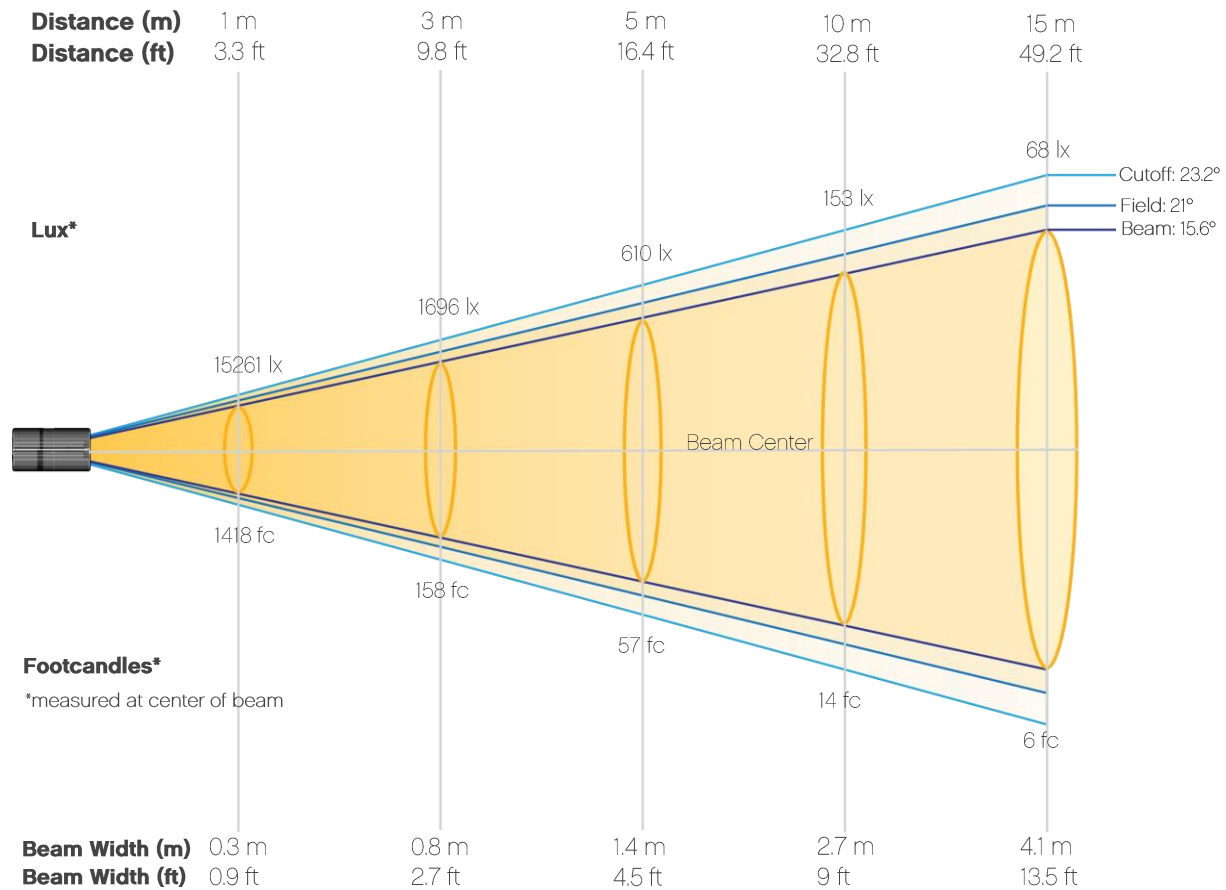
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Green Only-w/Ring On

Beam Details

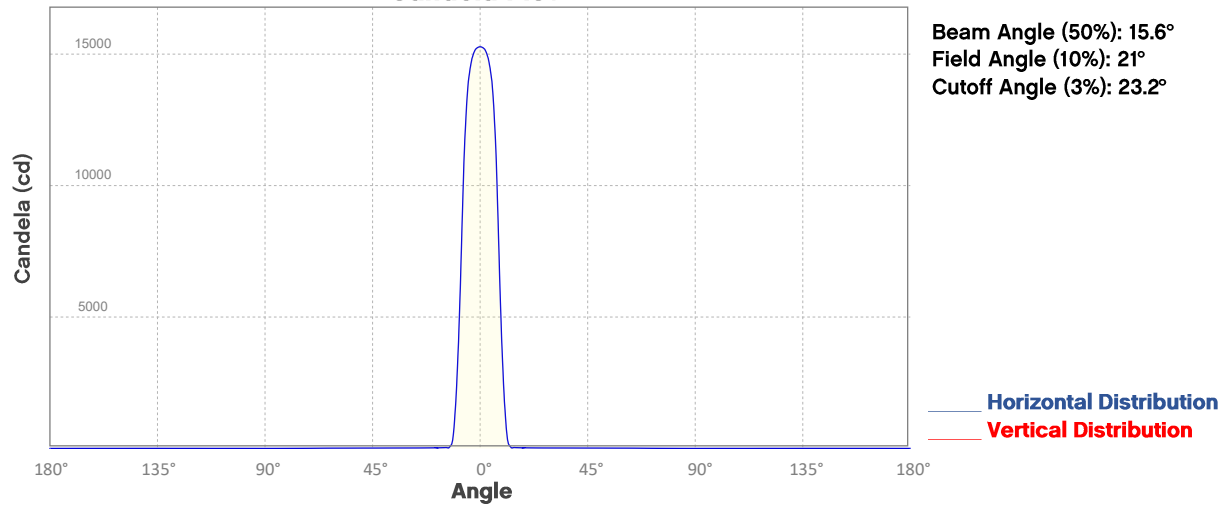


Beam Illuminances from 1-20m (3.3-65.6ft)

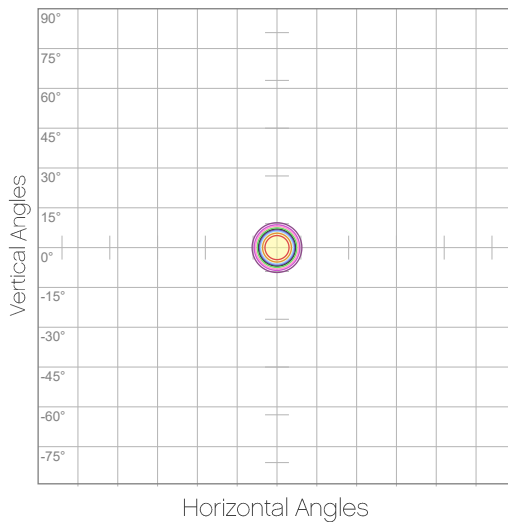
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15261	3815	1696	954	610	424	311	238	188	153
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	126	106	90	78	68	60	53	47	42	38
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1418	354	158	89	57	39	29	22	18	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	8	7	6	6	5	4	4	4

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Green Only-w/Ring On
Candela Plot



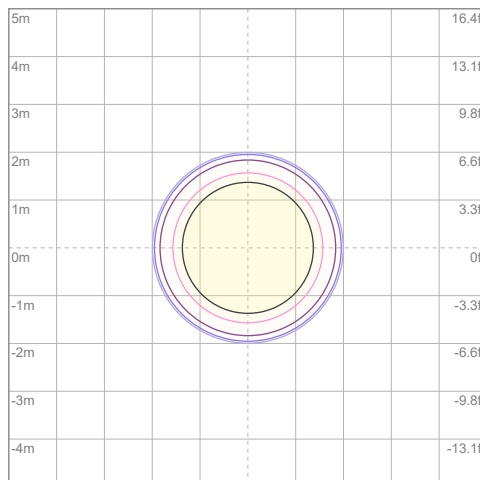
Polar Diagrams



iso-candela Diagram

10%	1526 cd
20%	3052 cd
30%	4578 cd
40%	6104 cd
50%	7630 cd
60%	9156 cd
70%	10683 cd
80%	12209 cd
90%	13735 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 15261 cd



iso-illuminance Diagram

3%	4.58 lx
5%	7.63 lx
10%	15.3 lx
30%	45.8 lx
50%	76.3 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 153 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 Outcast 1 BW: 50% Zoom, Blue Only-w/Ring On

Report Summary

Output

Total Lumens: 311 lm

Peak Intensity: 4381 cd

Illuminance @ 5m: 175 lux

Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 15.2°

Vertical Beam Angle (50%): 15.2°

Horizontal Field Angle (10%): 20.5°

Vertical Field Angle (10%): 20.5°

Horizontal Cutoff Angle (3%): 23.2°

Vertical Cutoff Angle (3%): 23.2°

Conditions

AC Supply: 119 V, 60 Hz

Power: 118.57 W

Current: 0.992 A

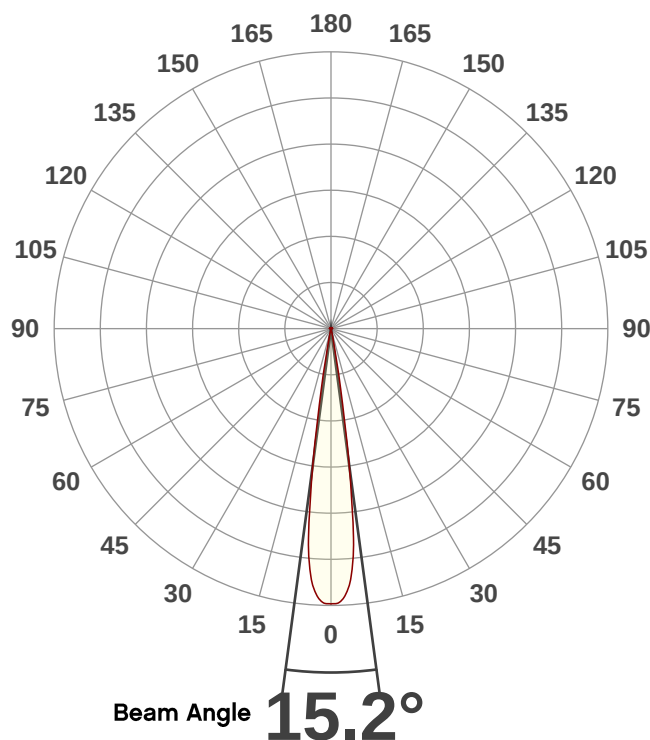
Power Factor: 0.99



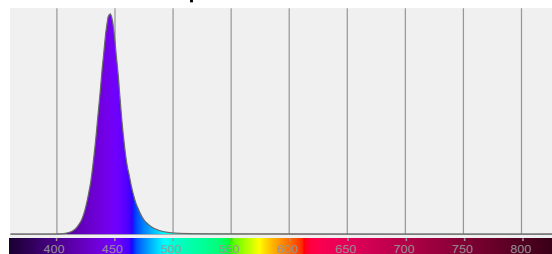
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Overall Measurement

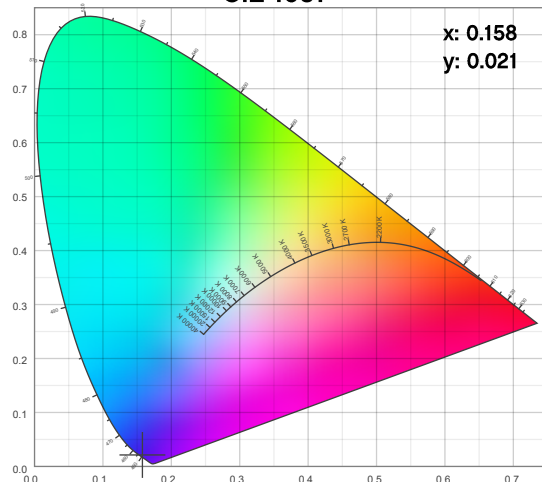
Angular Beam Distribution



Spectral Distribution



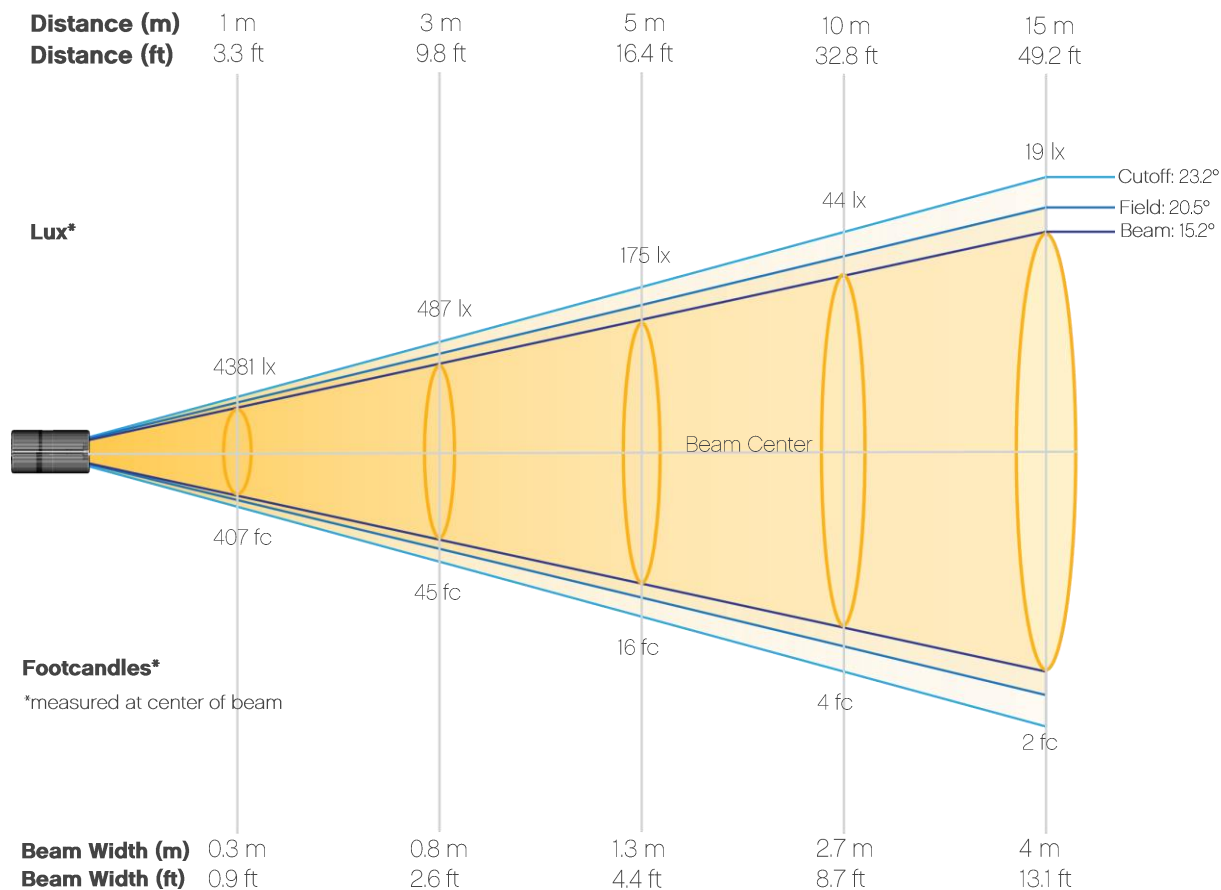
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Blue Only-w/Ring On

Beam Details

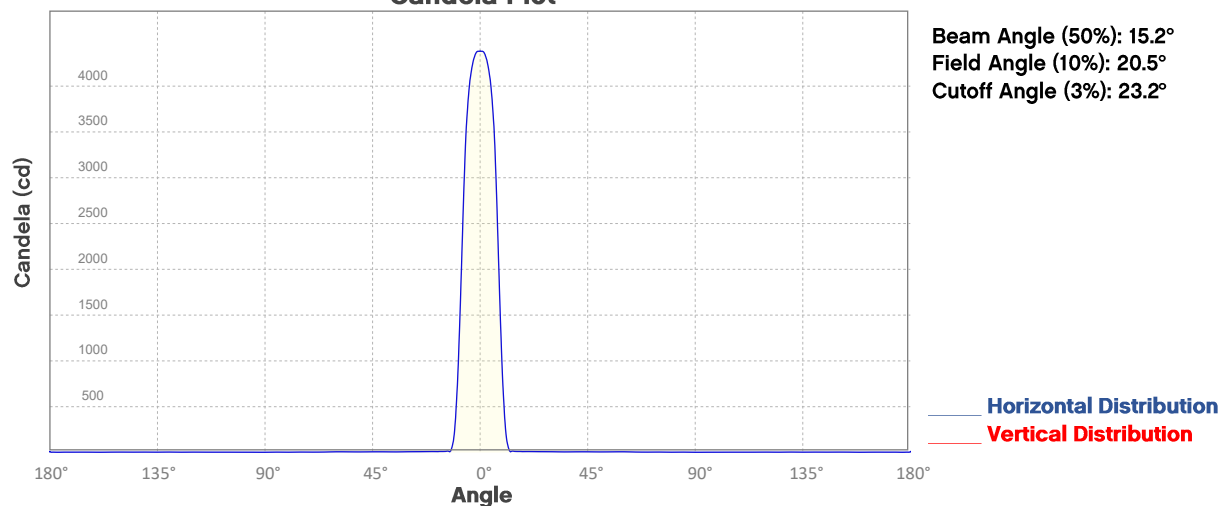


Beam Illuminances from 1-20m (3.3-65.6ft)

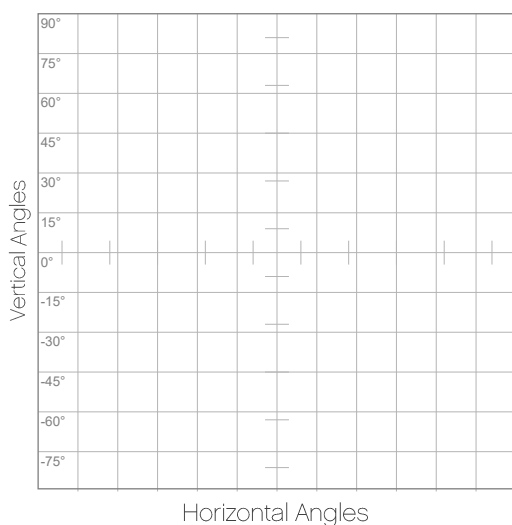
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4381	1095	487	274	175	122	89	68	54	44
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	36	30	26	22	19	17	15	14	12	11
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	407	102	45	25	16	11	8	6	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	3	2	2	2	2	1	1	1	1

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Blue Only-w/Ring On
Candela Plot



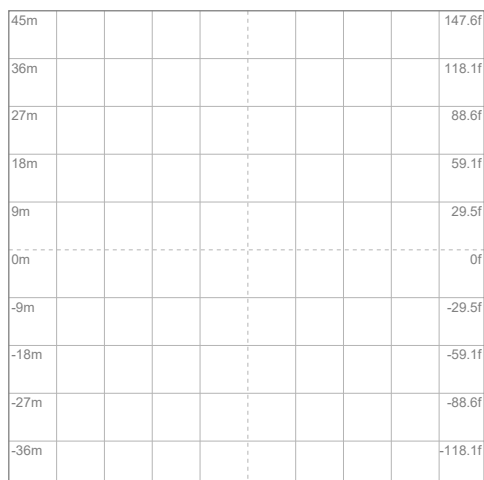
Polar Diagrams



iso-candela Diagram

10%	438 cd
20%	876 cd
30%	1314 cd
40%	1752 cd
50%	2190 cd
60%	2628 cd
70%	3067 cd
80%	3505 cd
90%	3943 cd

Conditions:
Number of c-planes: 2
Candela at center: 4381 cd



iso-illuminance Diagram

3%	1.31 lx
5%	2.19 lx
10%	4.38 lx
30%	13.1 lx
50%	21.9 lx

Conditions:
Number of c-planes: 2
Lux at center: 43.8 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, White Only-w/Ring Off

Report Summary

Output

Total Lumens: 2686 lm
Peak Intensity: 40333 cd
Illuminance @ 5m: 1613 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 16°
Vertical Beam Angle (50%): 16°
Horizontal Field Angle (10%): 21.5°
Vertical Field Angle (10%): 21.5°
Horizontal Cutoff Angle (3%): 24.4°
Vertical Cutoff Angle (3%): 24.4°

Conditions

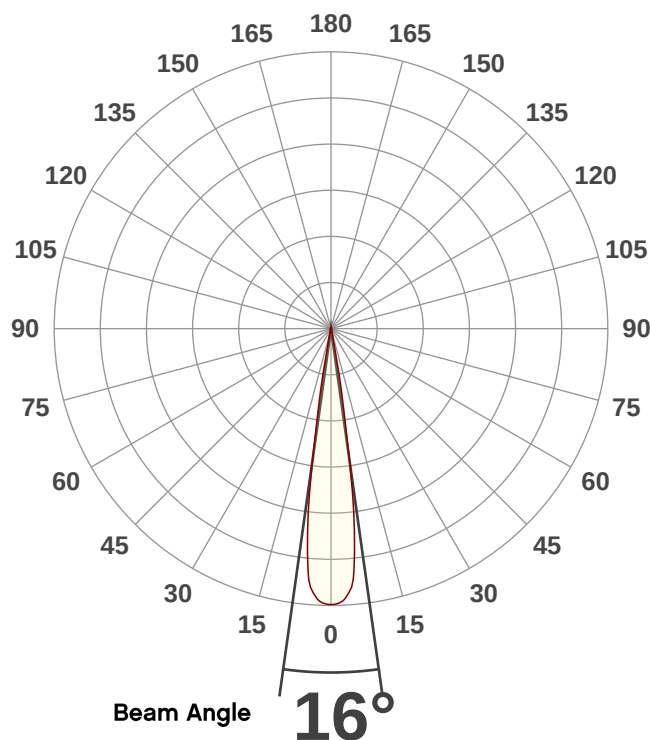
AC Supply: 119 V, 60 Hz
Power: 265.83 W
Current: 2.24 A
Power Factor: 0.99



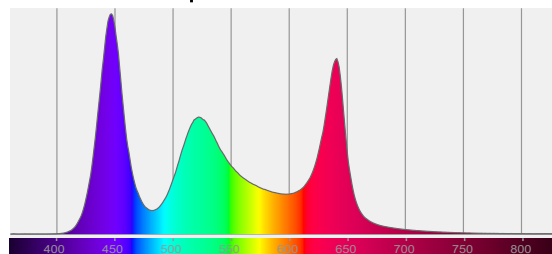
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Overall Measurement

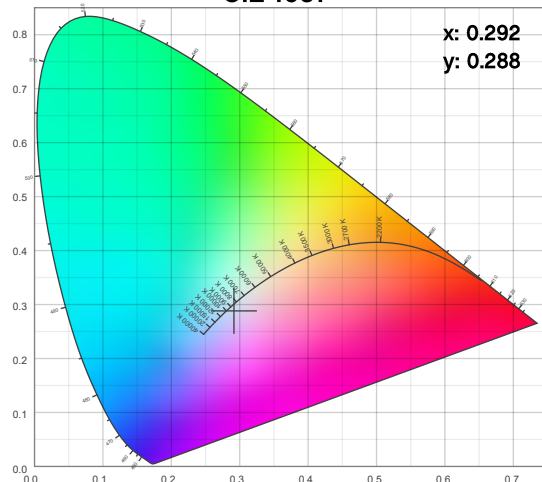
Angular Beam Distribution



Spectral Distribution



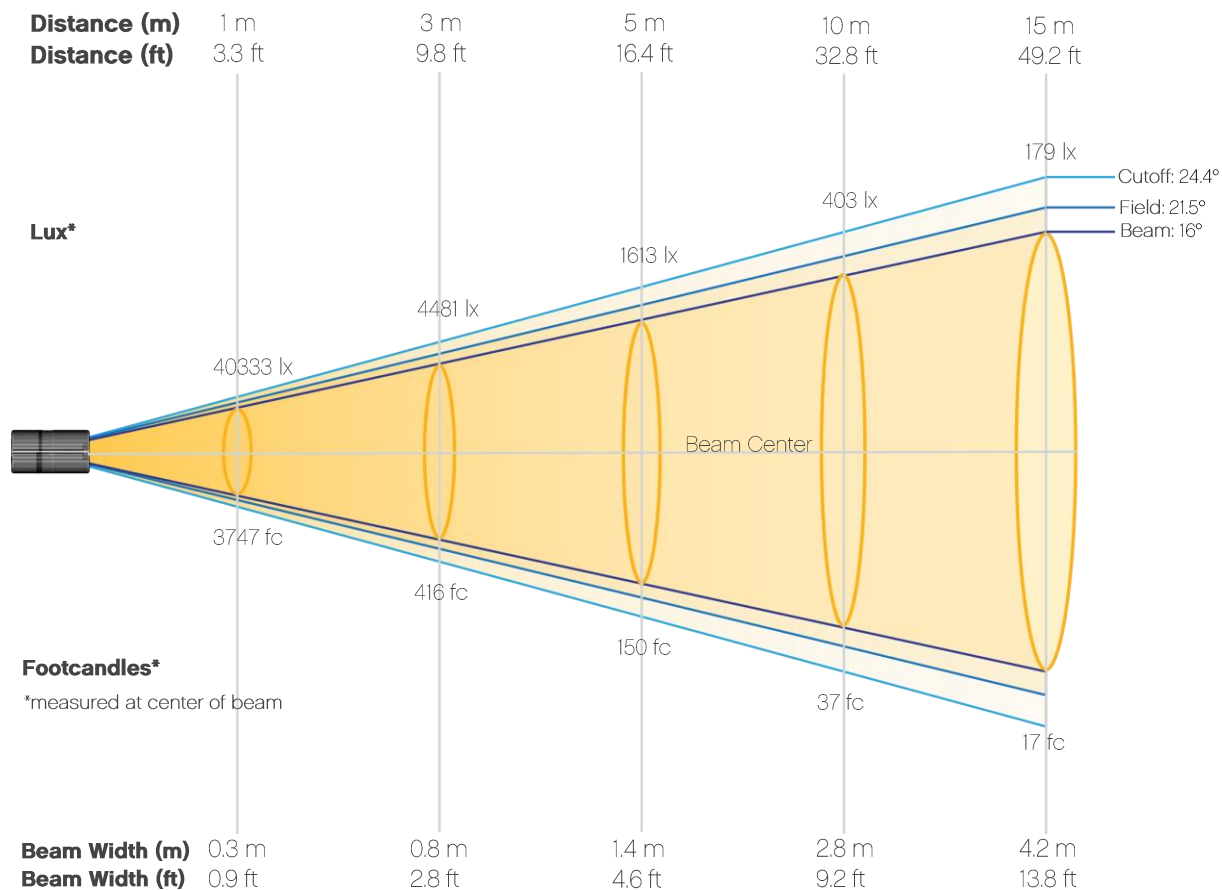
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, White Only-w/Ring Off

Beam Details



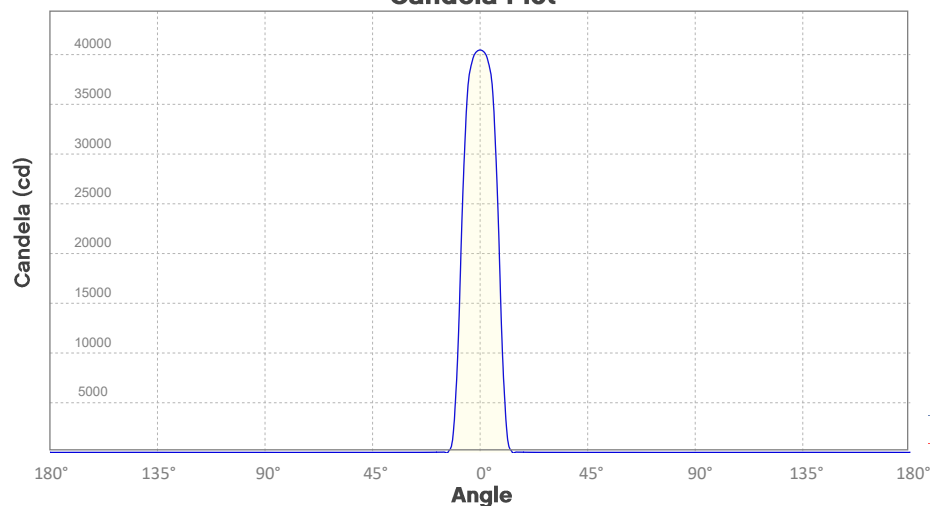
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	40333	10083	4481	2521	1613	1120	823	630	498	403
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	333	280	239	206	179	158	140	124	112	101
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3747	937	416	234	150	104	76	59	46	37
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	31	26	22	19	17	15	13	12	10	9

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, White Only-w/Ring Off

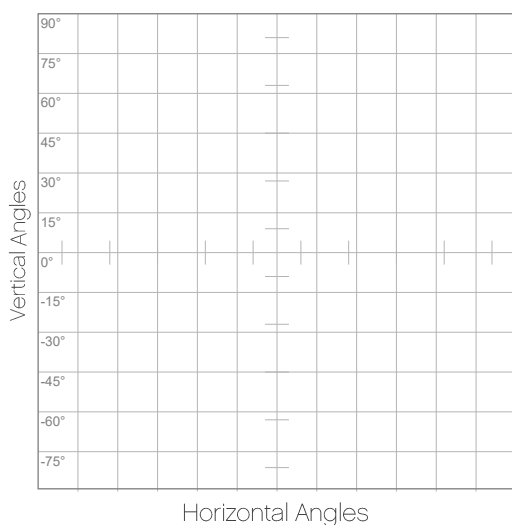
Candela Plot



Beam Angle (50%): 16°
Field Angle (10%): 21.5°
Cutoff Angle (3%): 24.4°

Horizontal Distribution
Vertical Distribution

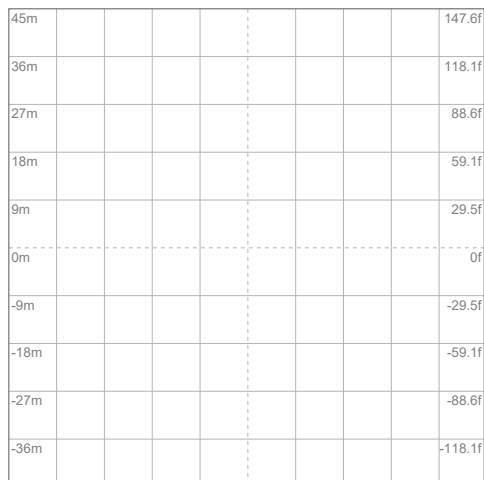
Polar Diagrams



iso-candela Diagram

10%	4033 cd
20%	8067 cd
30%	12100 cd
40%	16133 cd
50%	20167 cd
60%	24200 cd
70%	28233 cd
80%	32266 cd
90%	36300 cd

Conditions:
Number of c-planes: 2
Candela at center: 40333 cd



iso-illuminance Diagram

3%	12.1 lx
5%	20.2 lx
10%	40.3 lx
30%	121 lx
50%	202 lx

Conditions:
Number of c-planes: 2
Lux at center: 403 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 Outcast 1 BW: Full Spot, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 1591 lm
Peak Intensity: 336170 cd
Illuminance @ 5m: 13447 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.8°
Vertical Field Angle (10%): 5.8°
Horizontal Cutoff Angle (3%): 6.5°
Vertical Cutoff Angle (3%): 6.5°

Conditions

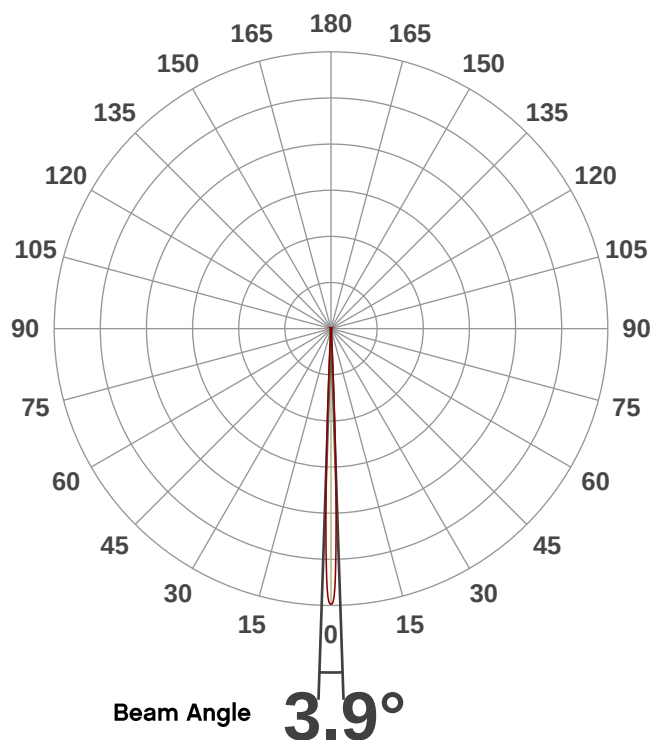
AC Supply: 119 V, 60 Hz
Power: 285.8 W
Current: 2.40 A
Power Factor: 0.99



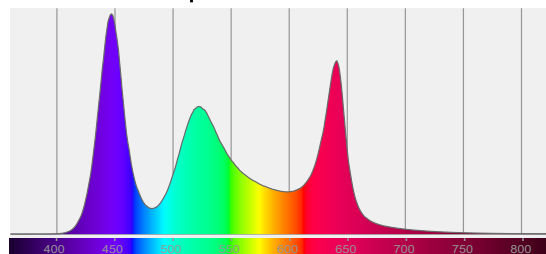
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Overall Measurement

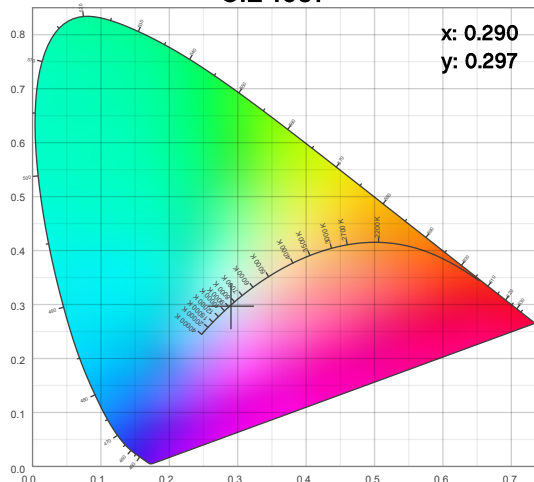
Angular Beam Distribution



Spectral Distribution



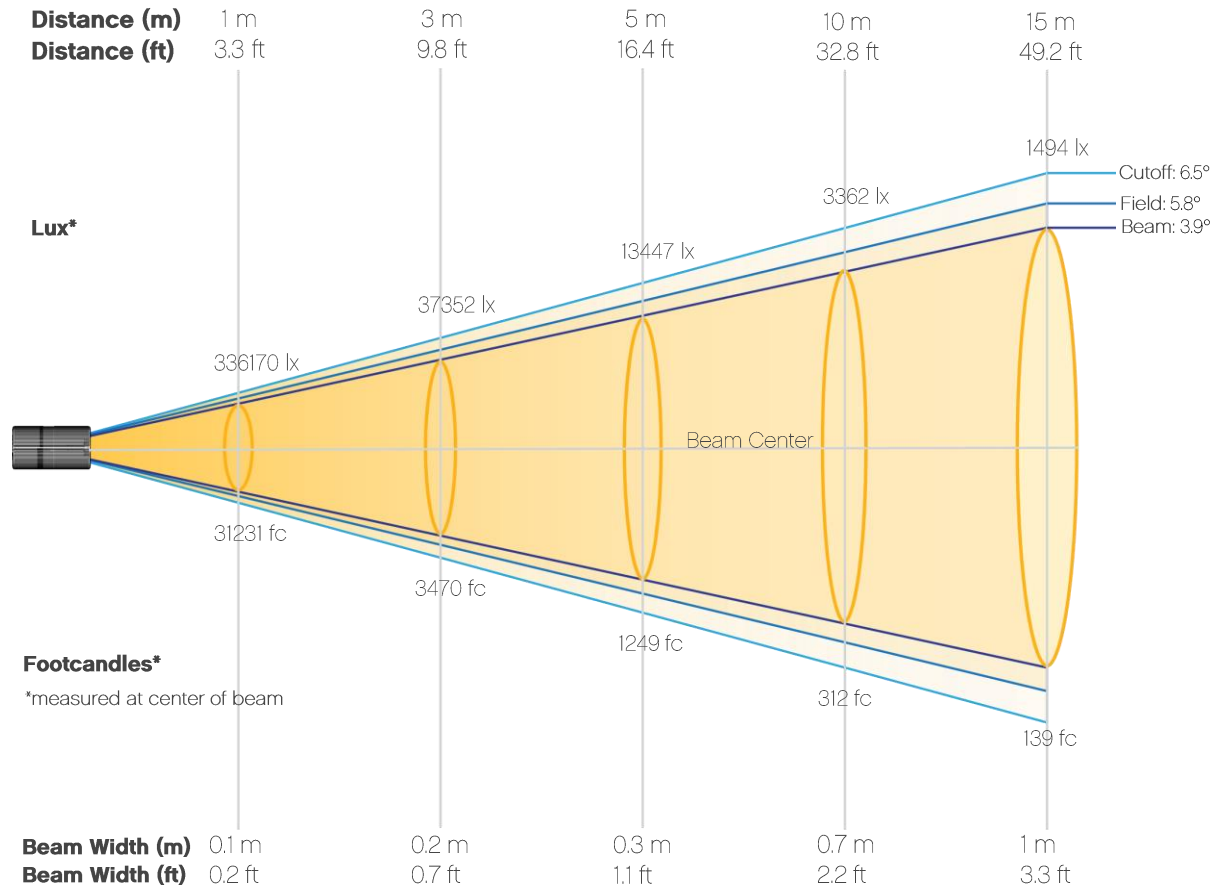
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Beam Details



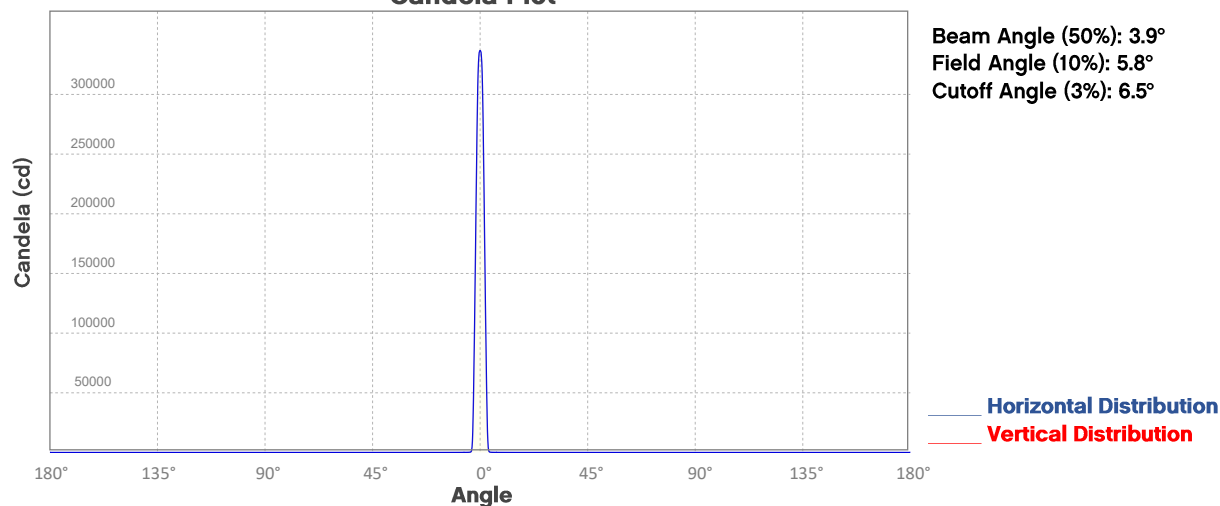
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	336170	84042	37352	21011	13447	9338	6861	5253	4150	3362
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2778	2335	1989	1715	1494	1313	1163	1038	931	840
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	31231	7808	3470	1952	1249	868	637	488	386	312
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	258	217	185	159	139	122	108	96	87	78

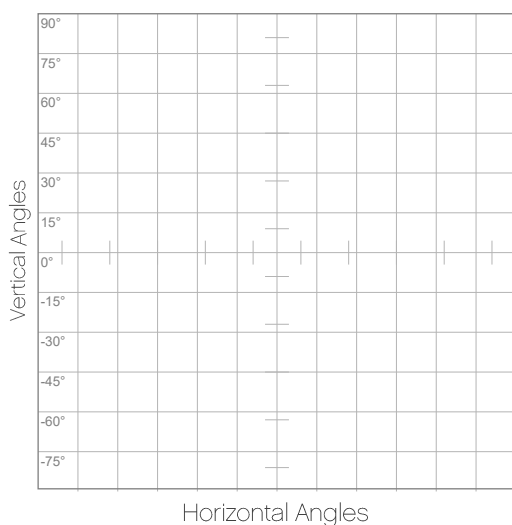
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Candela Plot



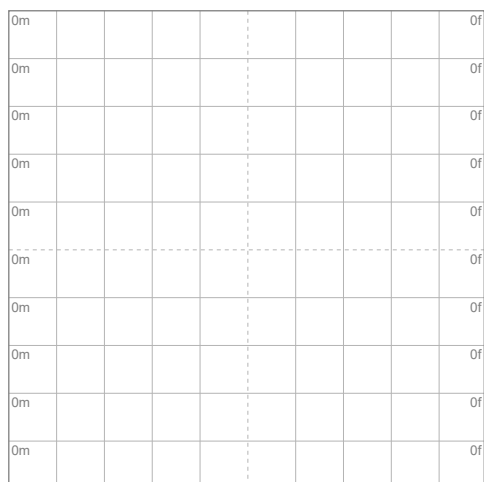
Polar Diagrams



iso-candela Diagram

10%	33617 cd
20%	67234 cd
30%	100851 cd
40%	134468 cd
50%	168085 cd
60%	201702 cd
70%	235319 cd
80%	268936 cd
90%	302553 cd

Conditions:
Number of c-planes: 2
Candela at center: 336170 cd



iso-illuminance Diagram

3%	101 lx
5%	168 lx
10%	336 lx
30%	1009 lx
50%	1681 lx

Conditions:
Number of c-planes: 2
Lux at center: 3362 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 Outcast 1 BW: Full Spot, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 1801 lm
Peak Intensity: 365888 cd
Illuminance @ 5m: 14636 lux
Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.7°
Vertical Field Angle (10%): 5.7°
Horizontal Cutoff Angle (3%): 6.4°
Vertical Cutoff Angle (3%): 6.4°

Conditions

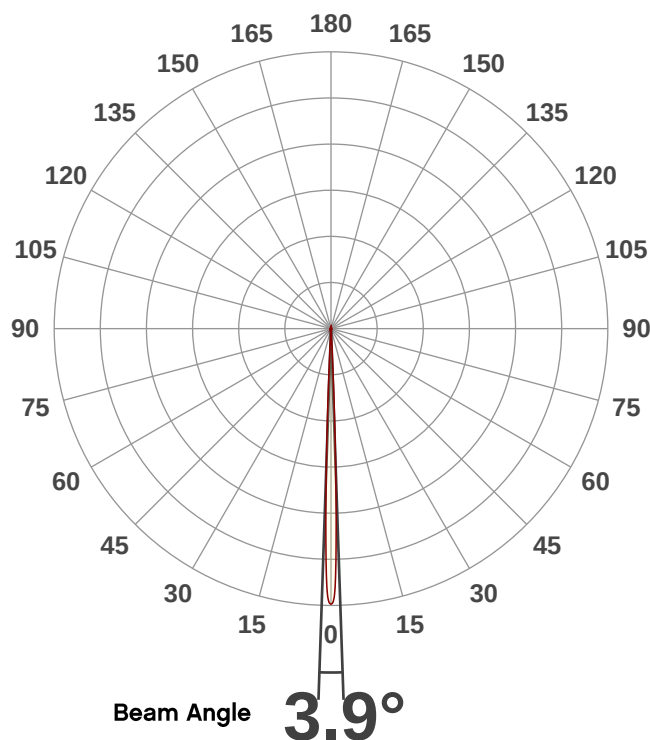
AC Supply: 117 V, 60 Hz
Power: 358.52 W
Current: 3.05 A
Power Factor: 0.99



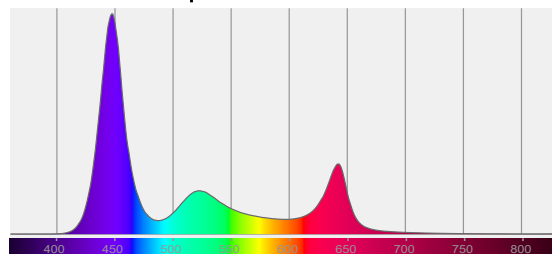
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Overall Measurement

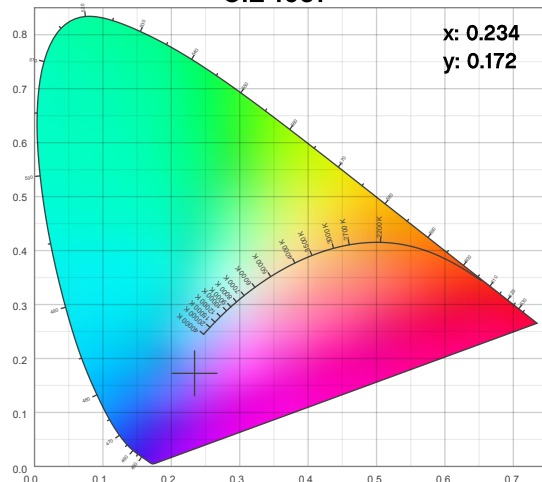
Angular Beam Distribution



Spectral Distribution



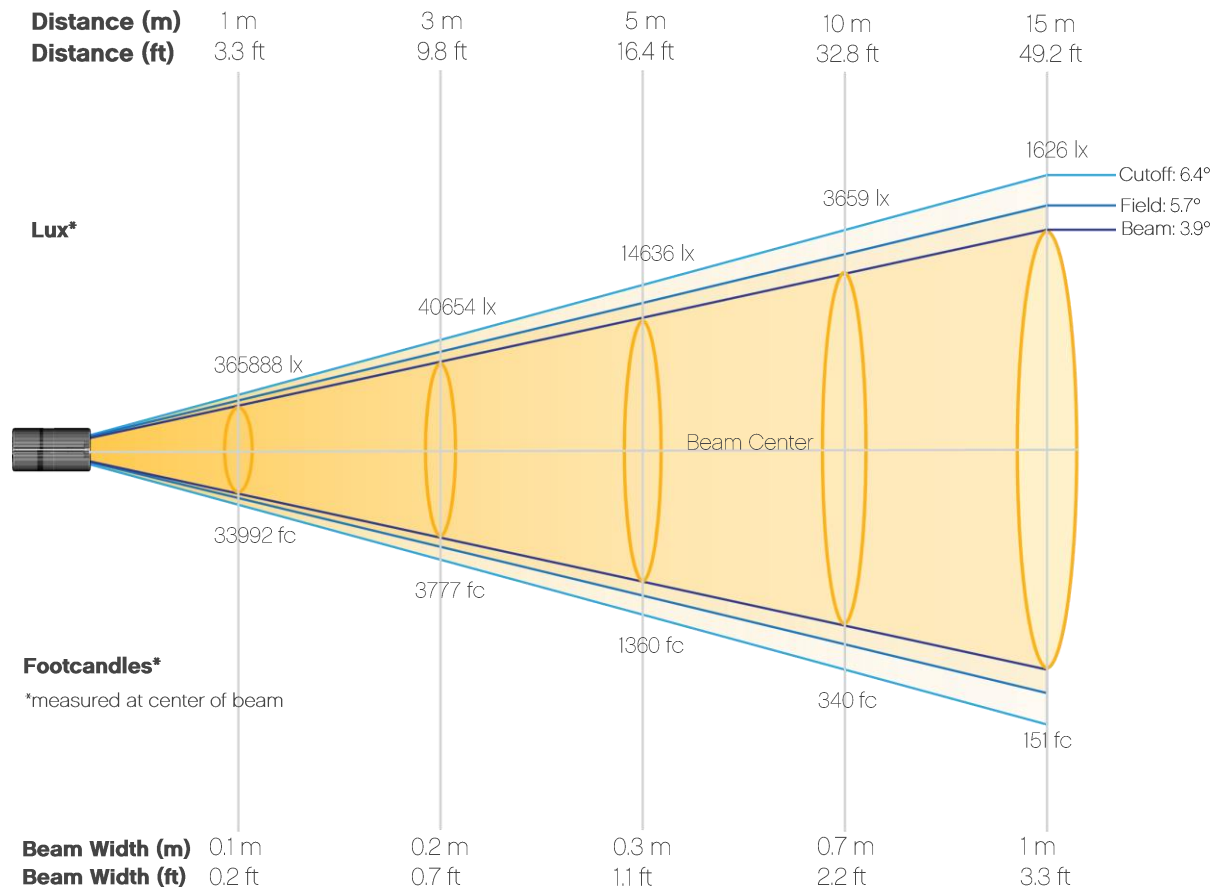
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Beam Details



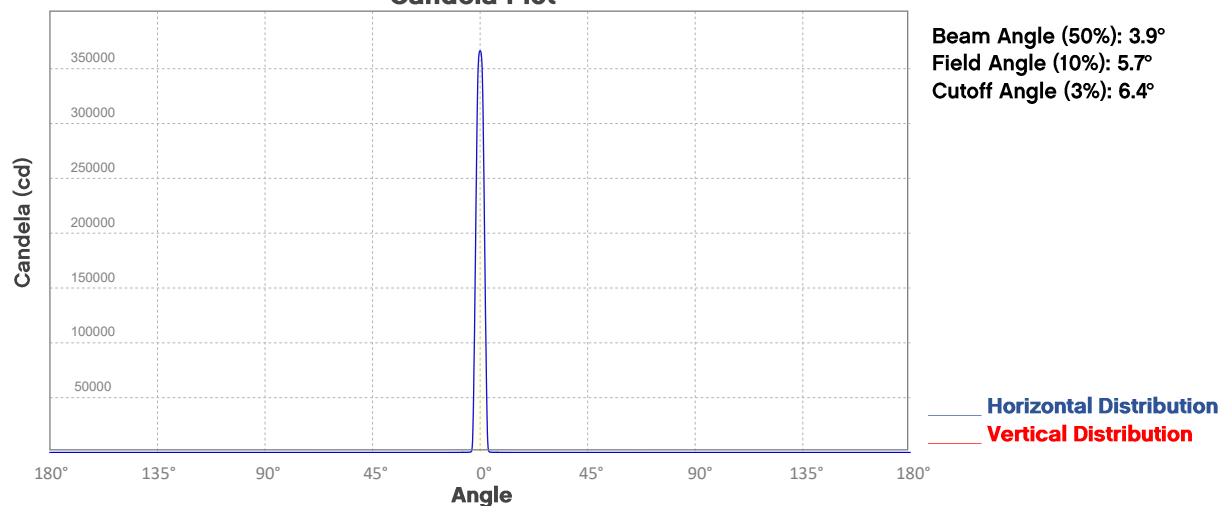
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	365888	91472	40654	22868	14636	10164	7467	5717	4517	3659
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3024	2541	2165	1867	1626	1429	1266	1129	1014	915
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	33992	8498	3777	2125	1360	944	694	531	420	340
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	281	236	201	173	151	133	118	105	94	85

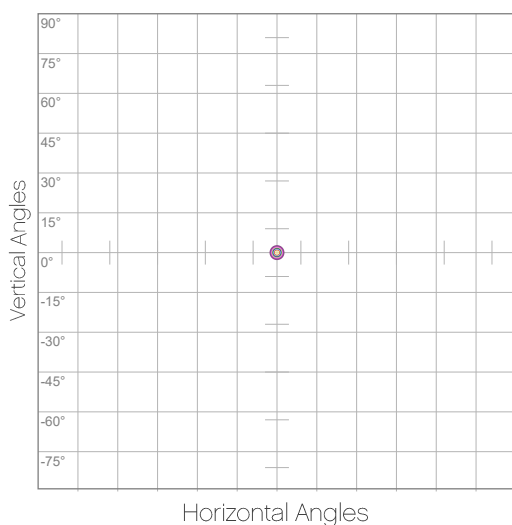
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Candela Plot



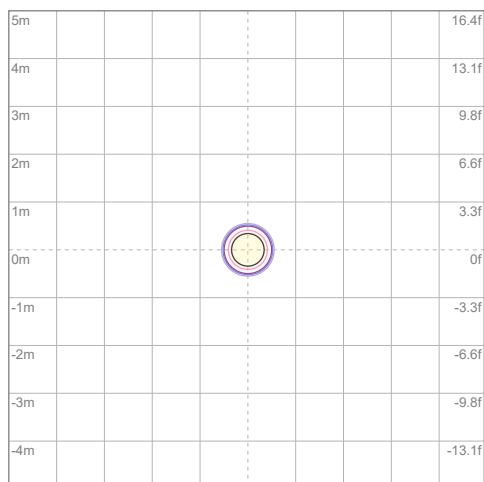
Polar Diagrams



iso-candela Diagram

10%	36589 cd
20%	73178 cd
30%	109766 cd
40%	146355 cd
50%	182944 cd
60%	219533 cd
70%	256122 cd
80%	292710 cd
90%	329299 cd

Conditions:
Number of c-planes: 2
Candela at center: 365888 cd



iso-illuminance Diagram

3%	110 lx
5%	183 lx
10%	366 lx
30%	1098 lx
50%	1829 lx

Conditions:
Number of c-planes: 2
Lux at center: 3659 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 Outcast 1 BW: Full Spot, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 1594 lm
Peak Intensity: 332045 cd
Illuminance @ 5m: 13282 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.8°
Vertical Field Angle (10%): 5.8°
Horizontal Cutoff Angle (3%): 6.5°
Vertical Cutoff Angle (3%): 6.5°

Conditions

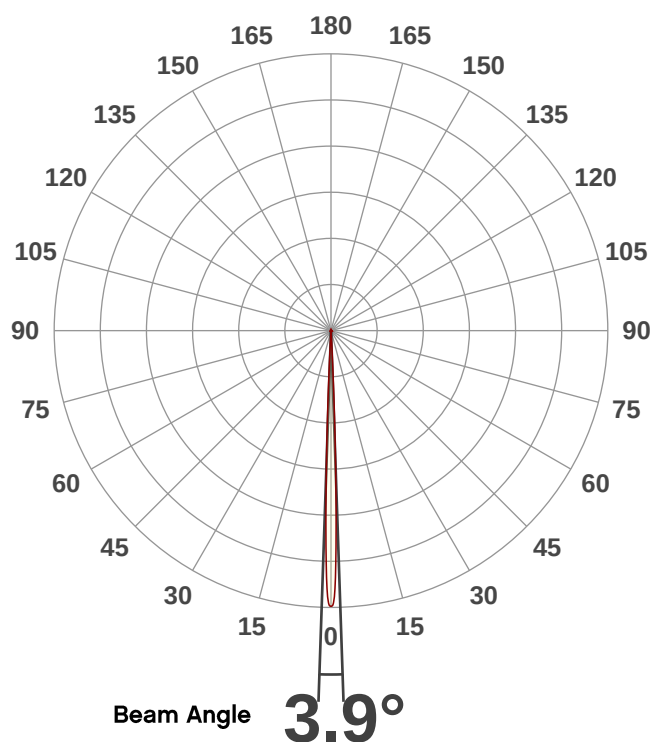
AC Supply: 119 V, 60 Hz
Power: 281.33 W
Current: 2.37 A
Power Factor: 0.99



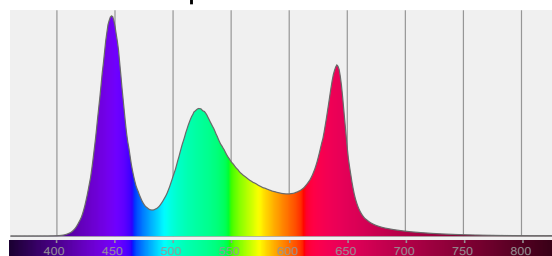
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Overall Measurement

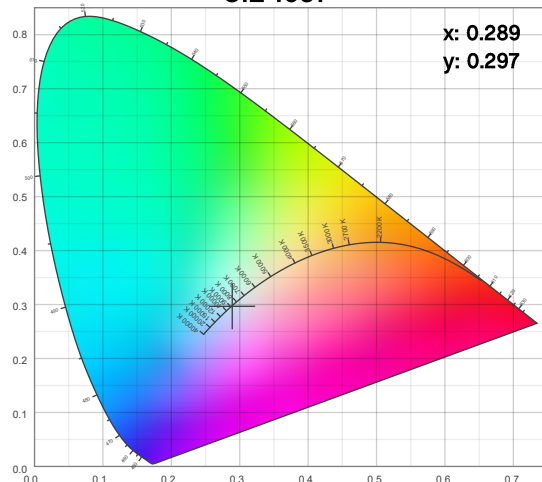
Angular Beam Distribution



Spectral Distribution



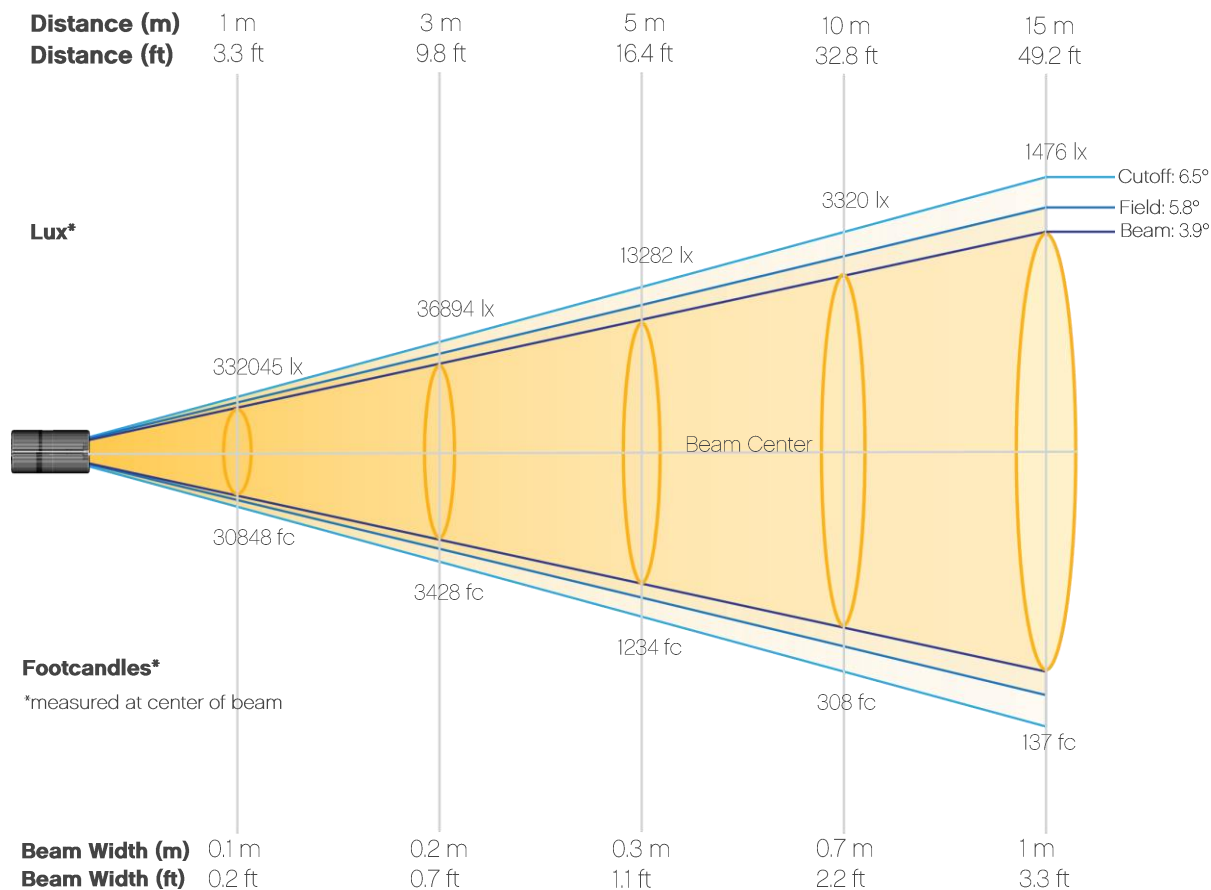
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Beam Details



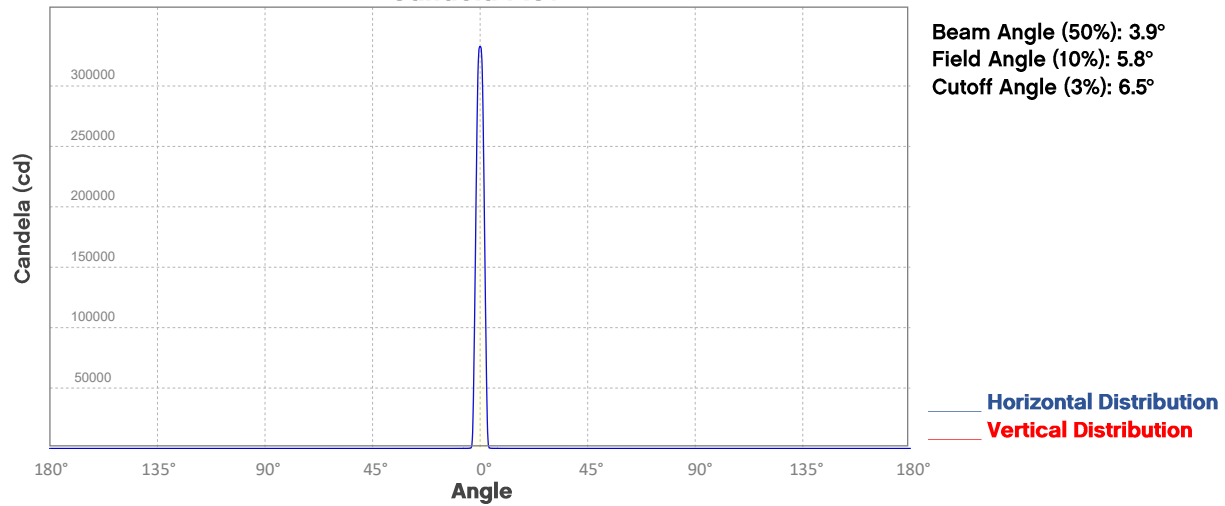
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	332045	83011	36894	20753	13282	9223	6776	5188	4099	3320
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2744	2306	1965	1694	1476	1297	1149	1025	920	830
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30848	7712	3428	1928	1234	857	630	482	381	308
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	255	214	183	157	137	121	107	95	85	77

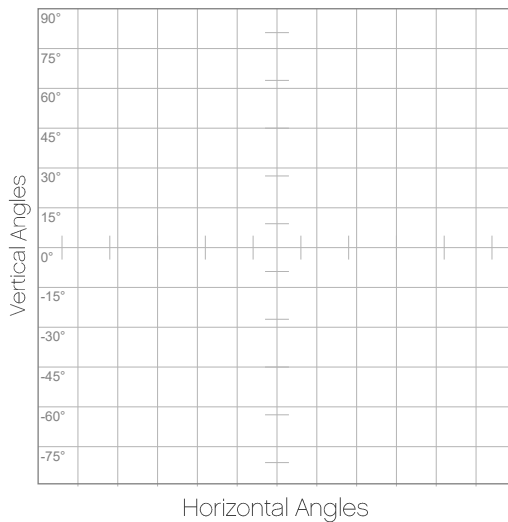
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Candela Plot



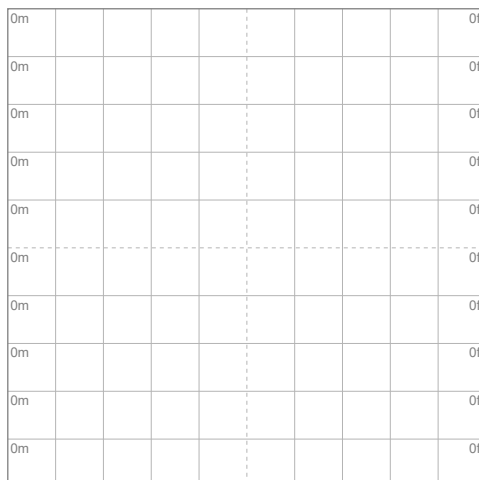
Polar Diagrams



iso-candela Diagram

10%	33205 cd
20%	66409 cd
30%	99614 cd
40%	132818 cd
50%	166023 cd
60%	199227 cd
70%	232432 cd
80%	265636 cd
90%	298841 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 332045 cd



iso-illuminance Diagram

3%	99.6 lx
5%	166 lx
10%	332 lx
30%	996 lx
50%	1660 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 3320 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 Outcast 1 BW: Full Spot, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 1668 lm
Peak Intensity: 351549 cd
Illuminance @ 5m: 14062 lux
Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.8°
Vertical Field Angle (10%): 5.8°
Horizontal Cutoff Angle (3%): 6.8°
Vertical Cutoff Angle (3%): 6.8°

Conditions

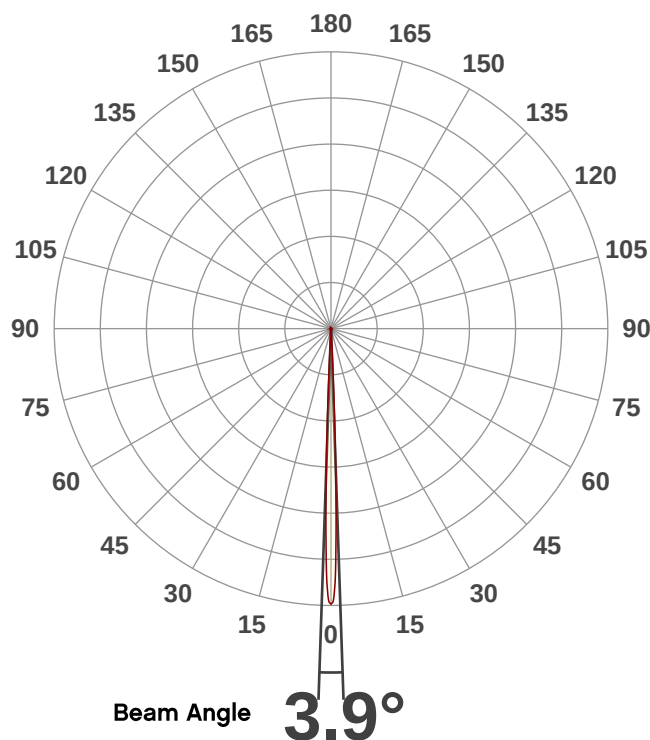
AC Supply: 118 V, 60 Hz
Power: 351.96 W
Current: 2.97 A
Power Factor: 0.99



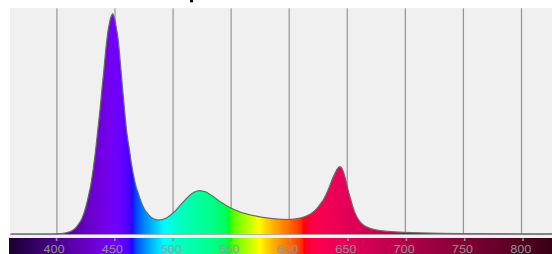
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Overall Measurement

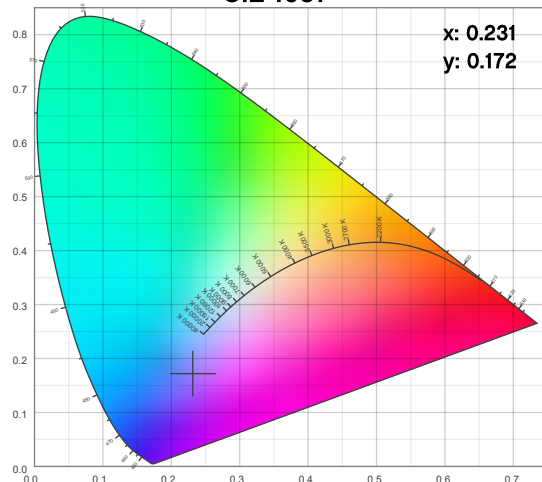
Angular Beam Distribution



Spectral Distribution



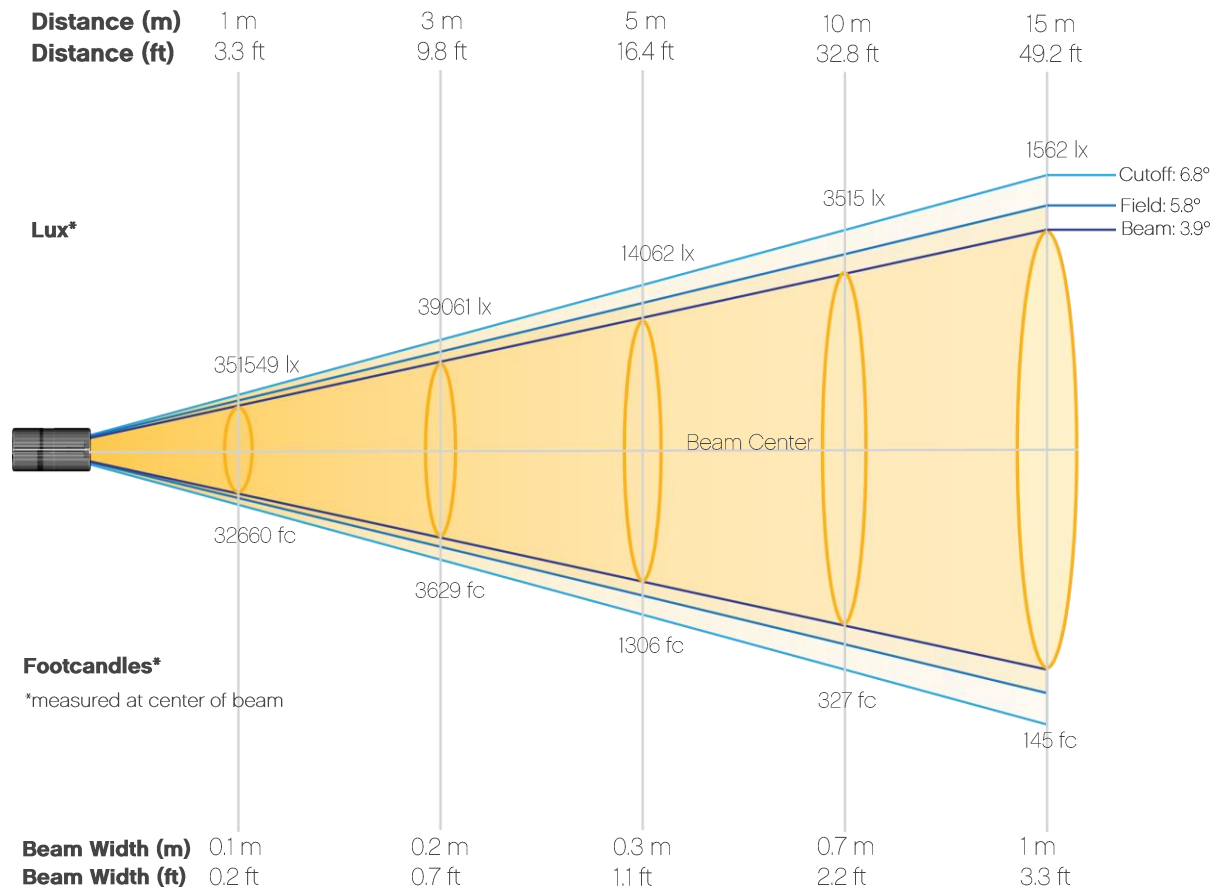
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Beam Details



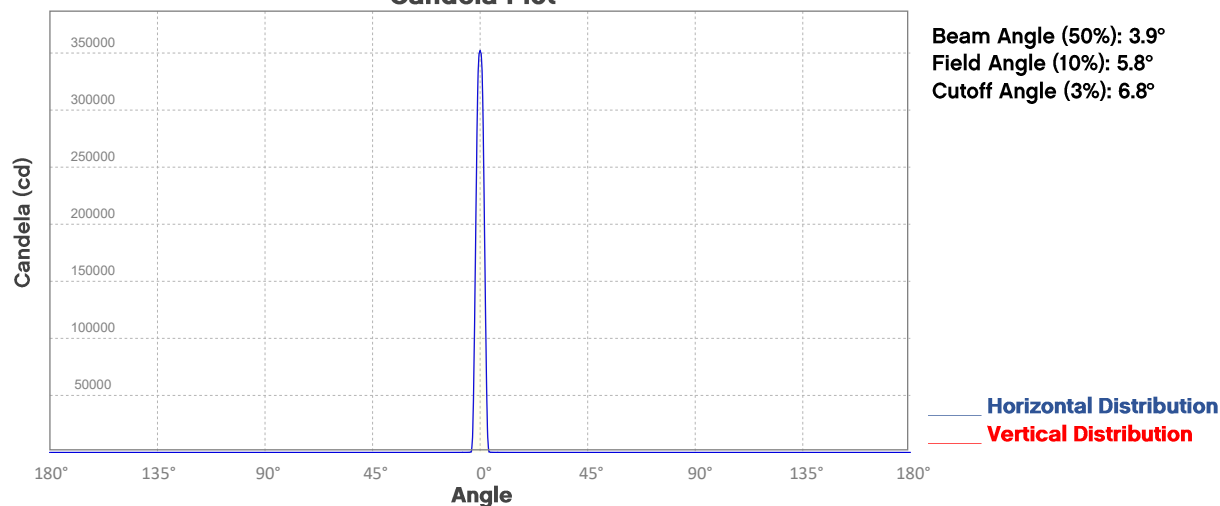
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	351549	87887	39061	21972	14062	9765	7174	5493	4340	3515
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2905	2441	2080	1794	1562	1373	1216	1085	974	879
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	32660	8165	3629	2041	1306	907	667	510	403	327
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	270	227	193	167	145	128	113	101	90	82

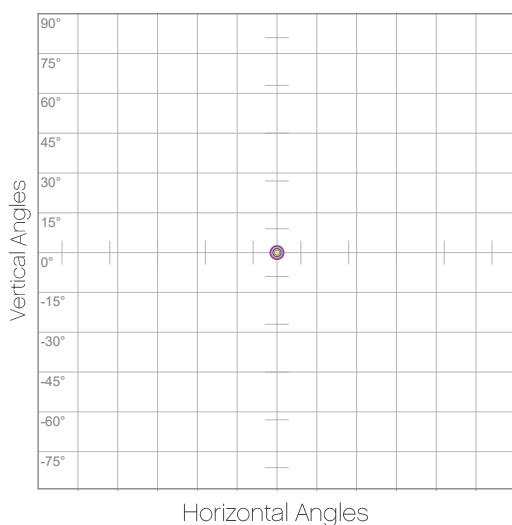
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Candela Plot



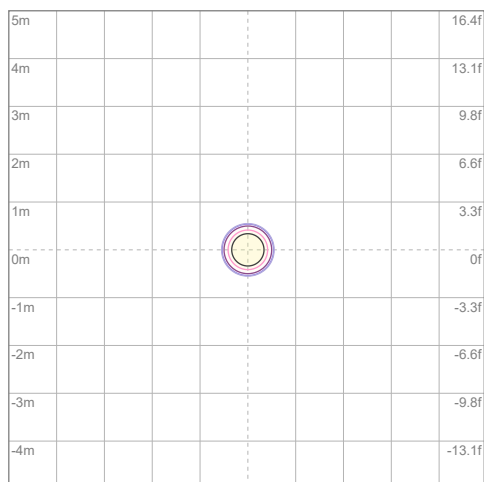
Polar Diagrams



iso-candela Diagram

10%	35155 cd
20%	70310 cd
30%	105465 cd
40%	140619 cd
50%	175774 cd
60%	210929 cd
70%	246084 cd
80%	281239 cd
90%	316394 cd

Conditions:
Number of c-planes: 2
Candela at center: 351549 cd



iso-illuminance Diagram

3%	105 lx
5%	176 lx
10%	352 lx
30%	1055 lx
50%	1758 lx

Conditions:
Number of c-planes: 2
Lux at center: 3515 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 Outcast 1 BW: Full Spot, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 1550 lm
Peak Intensity: 325813 cd
Illuminance @ 5m: 13033 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.9°
Vertical Field Angle (10%): 5.9°
Horizontal Cutoff Angle (3%): 6.8°
Vertical Cutoff Angle (3%): 6.8°

Conditions

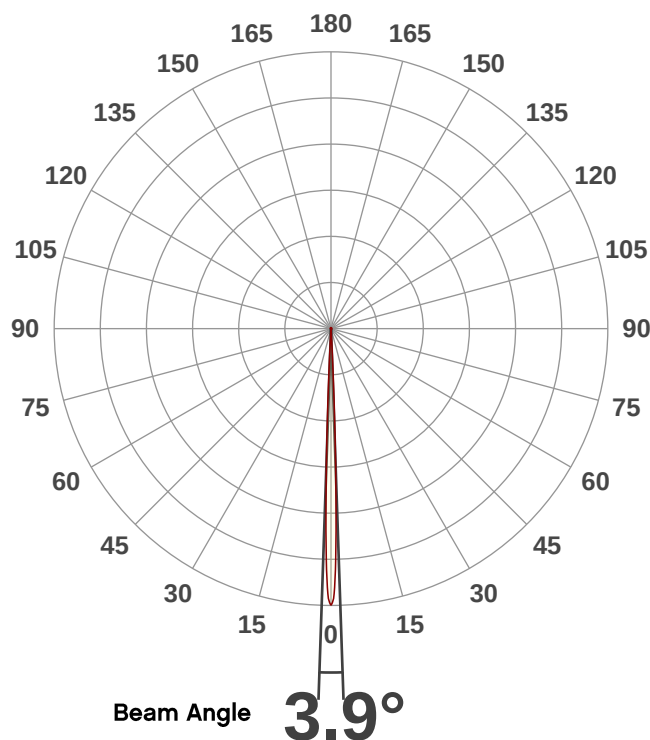
AC Supply: 119 V, 60 Hz
Power: 264.03 W
Current: 2.23 A
Power Factor: 0.99



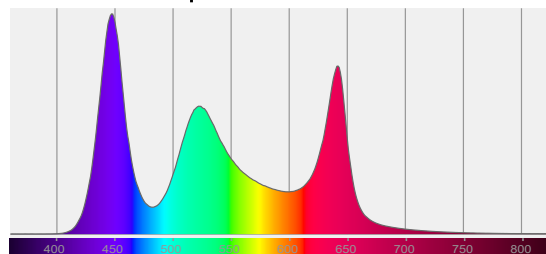
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Overall Measurement

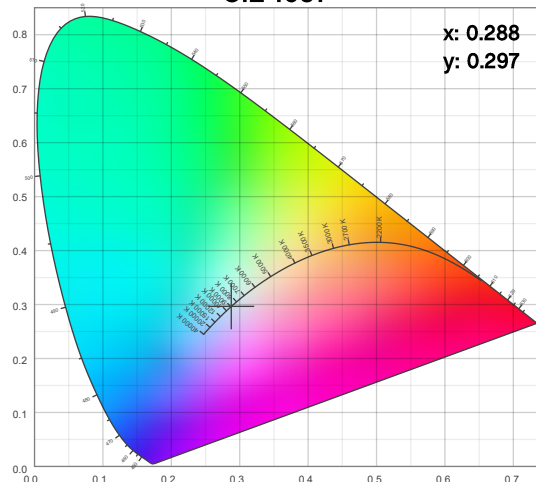
Angular Beam Distribution



Spectral Distribution



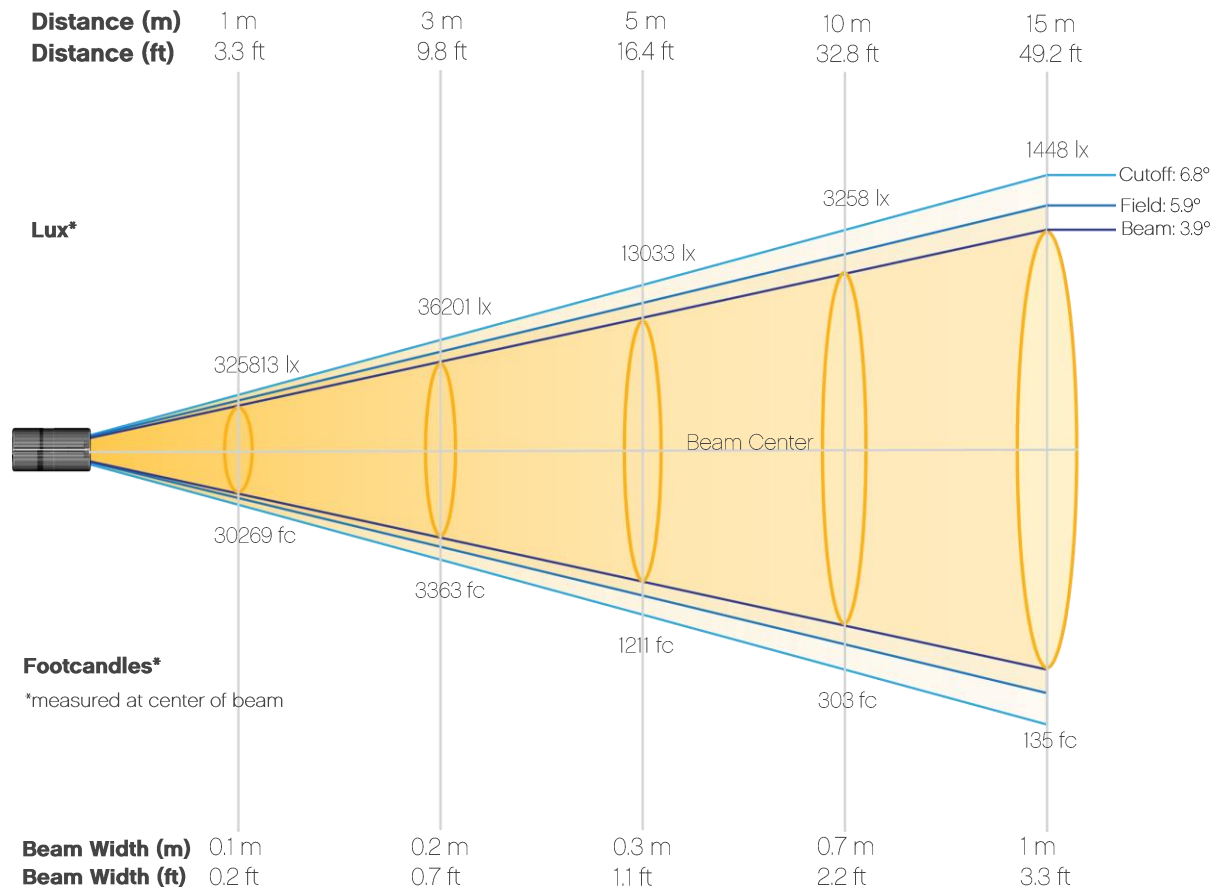
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Beam Details



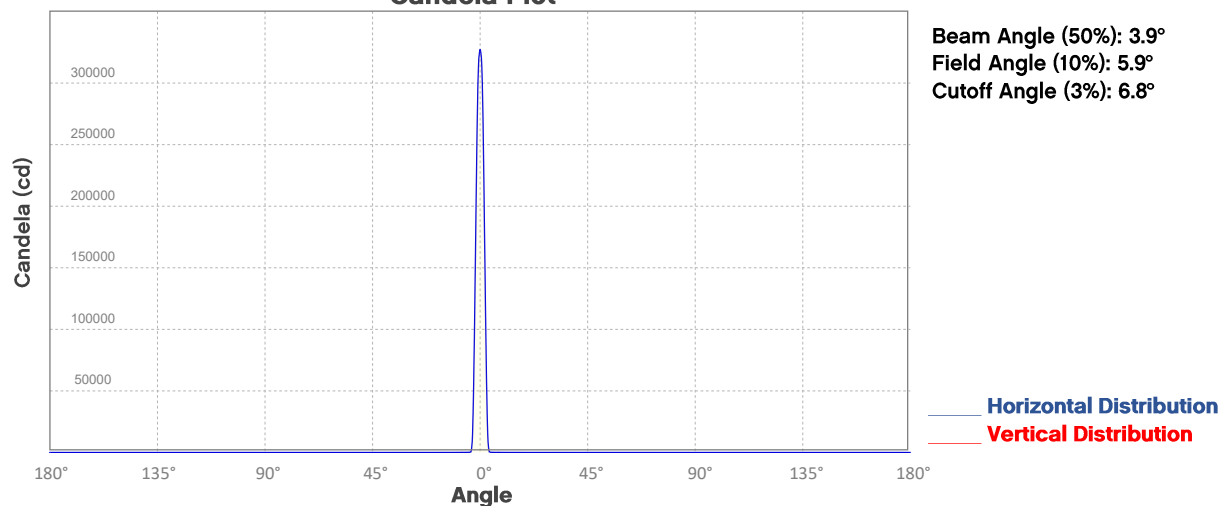
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	325813	81453	36201	20363	13033	9050	6649	5091	4022	3258
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2693	2263	1928	1662	1448	1273	1127	1006	903	815
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30269	7567	3363	1892	1211	841	618	473	374	303
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	250	210	179	154	135	118	105	93	84	76

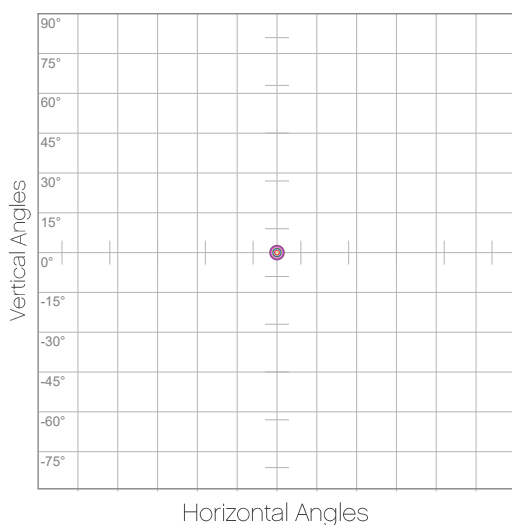
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Candela Plot



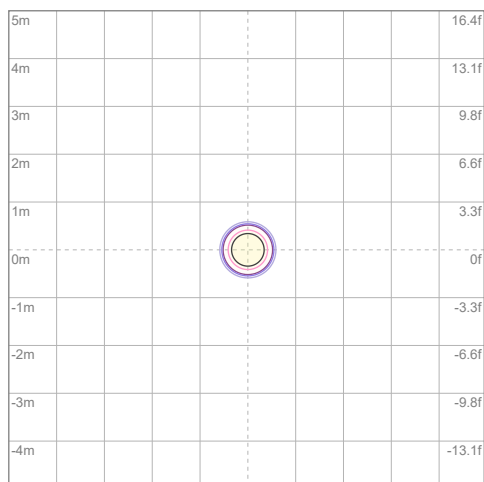
Polar Diagrams



iso-candela Diagram

10%	32581 cd
20%	65163 cd
30%	97744 cd
40%	130325 cd
50%	162906 cd
60%	195488 cd
70%	228069 cd
80%	260650 cd
90%	293231 cd

Conditions:
Number of c-planes: 2
Candela at center: 325813 cd



iso-illuminance Diagram

3%	97.7 lx
5%	163 lx
10%	326 lx
30%	977 lx
50%	1629 lx

Conditions:
Number of c-planes: 2
Lux at center: 3258 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 Outcast 1 BW: Full Spot, Full Power-w/Ring On

Report Summary

Output

Total Lumens: 1625 lm

Peak Intensity: 354723 cd

Illuminance @ 5m: 14189 lux

Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°

Vertical Beam Angle (50%): 3.9°

Horizontal Field Angle (10%): 5.8°

Vertical Field Angle (10%): 5.8°

Horizontal Cutoff Angle (3%): 6.5°

Vertical Cutoff Angle (3%): 6.5°

Conditions

AC Supply: 118 V, 60 Hz

Power: 353.41 W

Current: 2.99 A

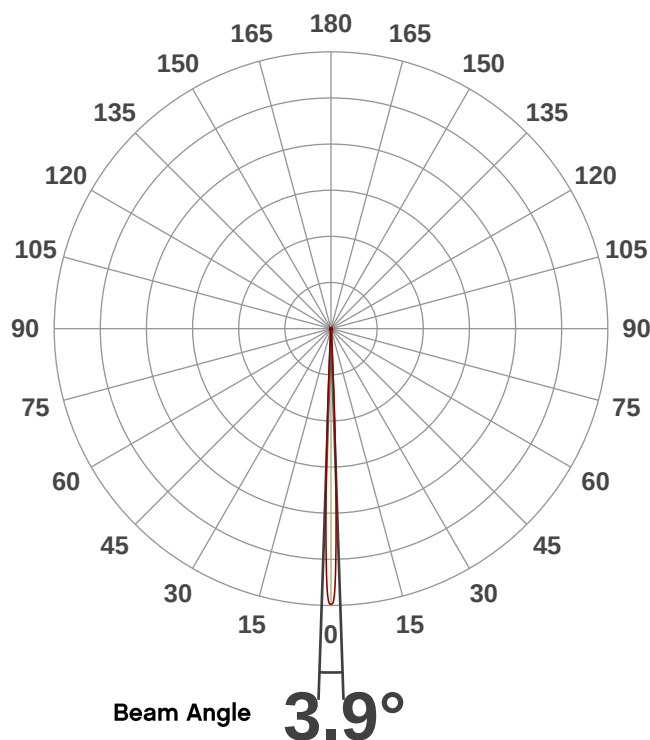
Power Factor: 0.99



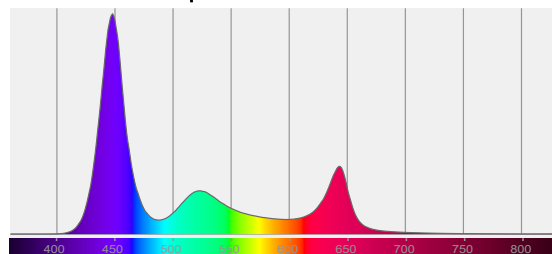
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Overall Measurement

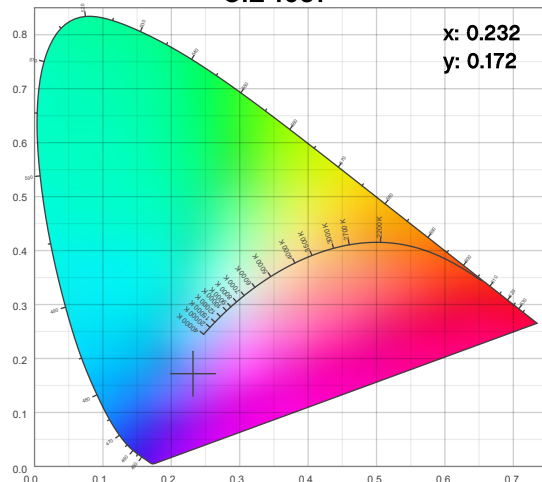
Angular Beam Distribution



Spectral Distribution



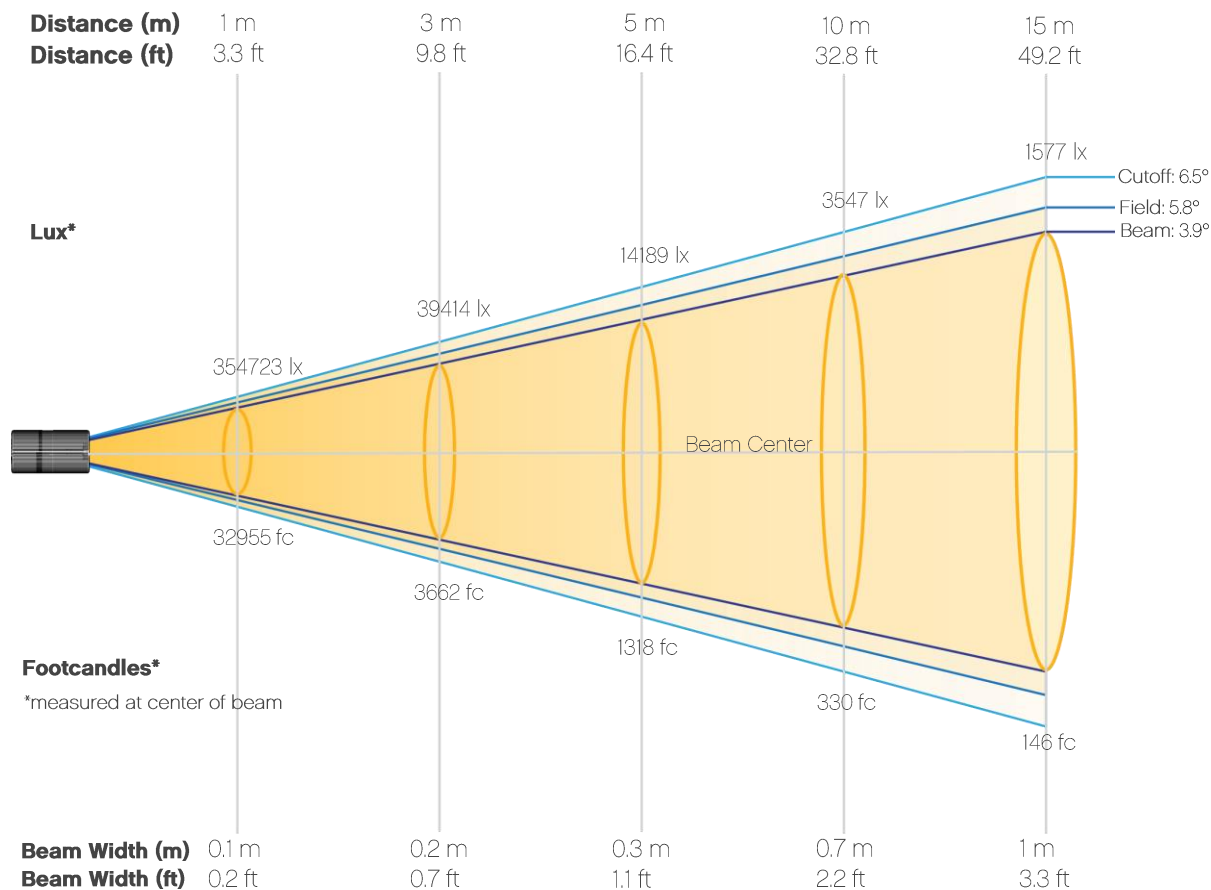
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Beam Details



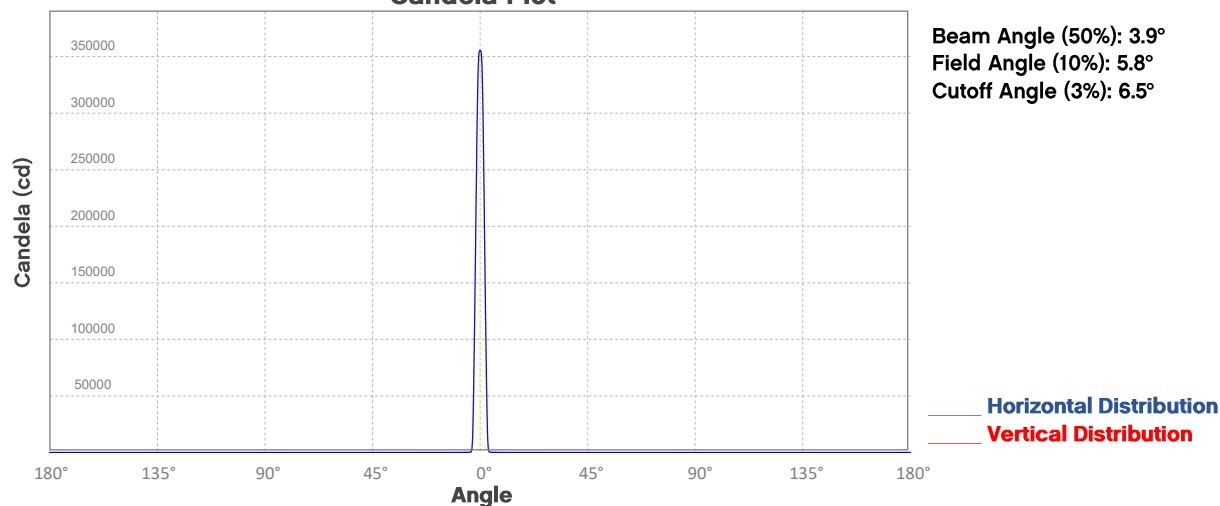
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	354723	88681	39414	22170	14189	9853	7239	5543	4379	3547
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2932	2463	2099	1810	1577	1386	1227	1095	983	887
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	32955	8239	3662	2060	1318	915	673	515	407	330
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	272	229	195	168	146	129	114	102	91	82

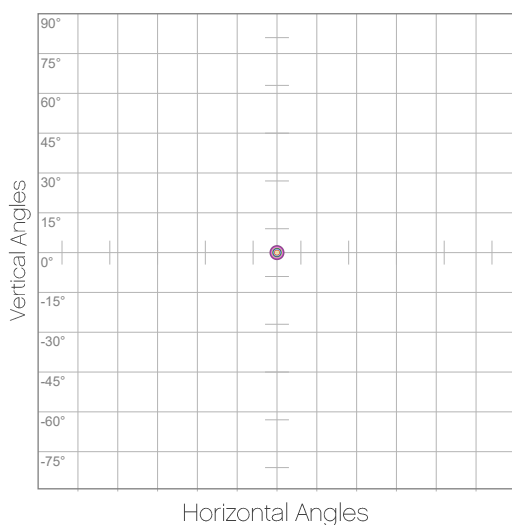
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring On

Candela Plot



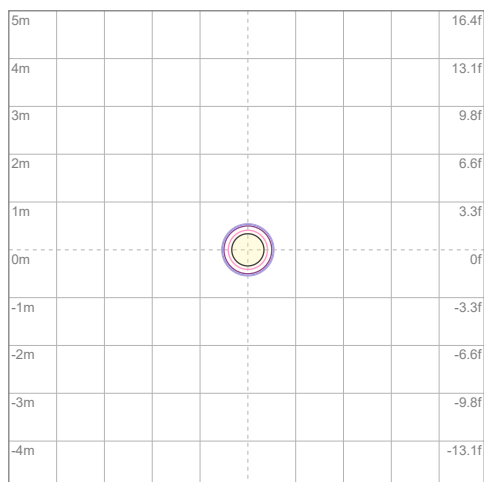
Polar Diagrams



iso-candela Diagram

10%	35472 cd
20%	70945 cd
30%	106417 cd
40%	141889 cd
50%	177361 cd
60%	212834 cd
70%	248306 cd
80%	283778 cd
90%	319250 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 354723 cd



iso-illuminance Diagram

3%	106 lx
5%	177 lx
10%	355 lx
30%	1064 lx
50%	1774 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 3547 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 Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 3841 lm
Peak Intensity: 11269 cd
Illuminance @ 5m: 451 lux
Fixture Efficacy: 15 lm/W

Optical

Horizontal Beam Angle (50%): 36.3°
Vertical Beam Angle (50%): 36.3°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.3°
Vertical Cutoff Angle (3%): 55.3°

Conditions

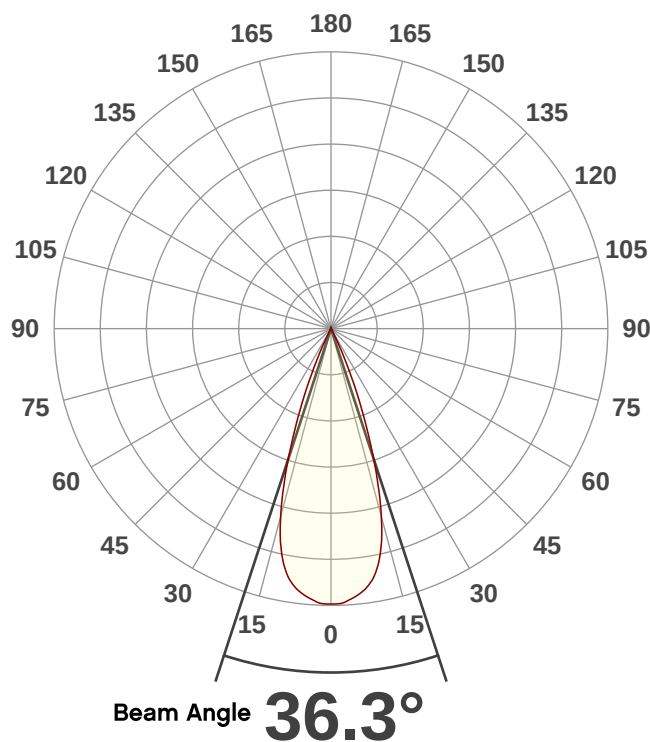
AC Supply: 120 V, 60 Hz
Power: 261.9 W
Current: 2.17 A
Power Factor: 0.99



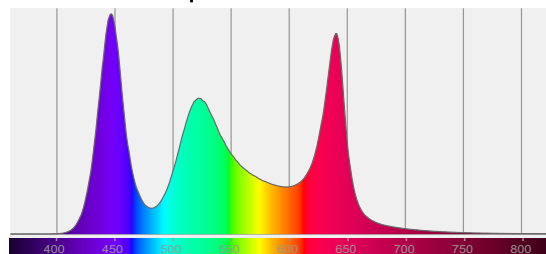
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Overall Measurement

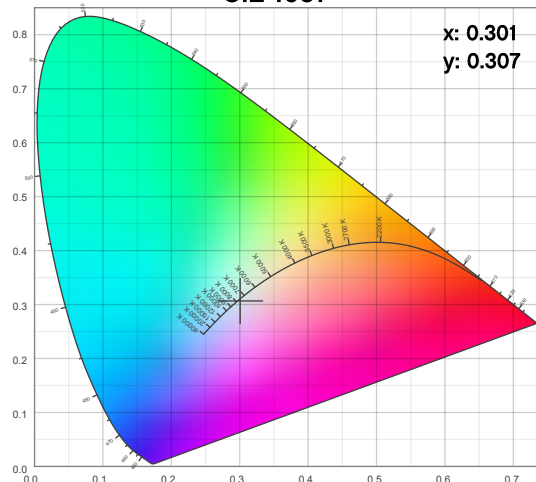
Angular Beam Distribution



Spectral Distribution



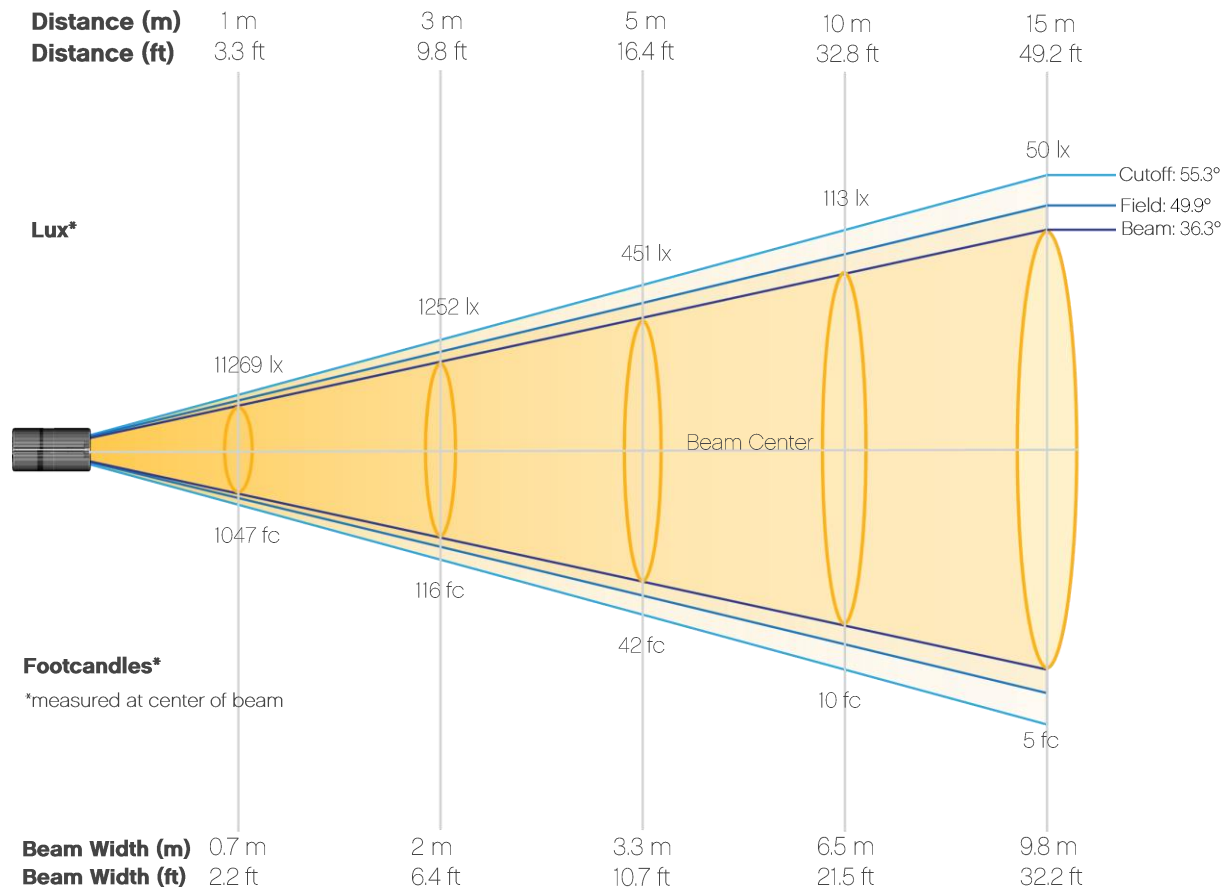
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Beam Details



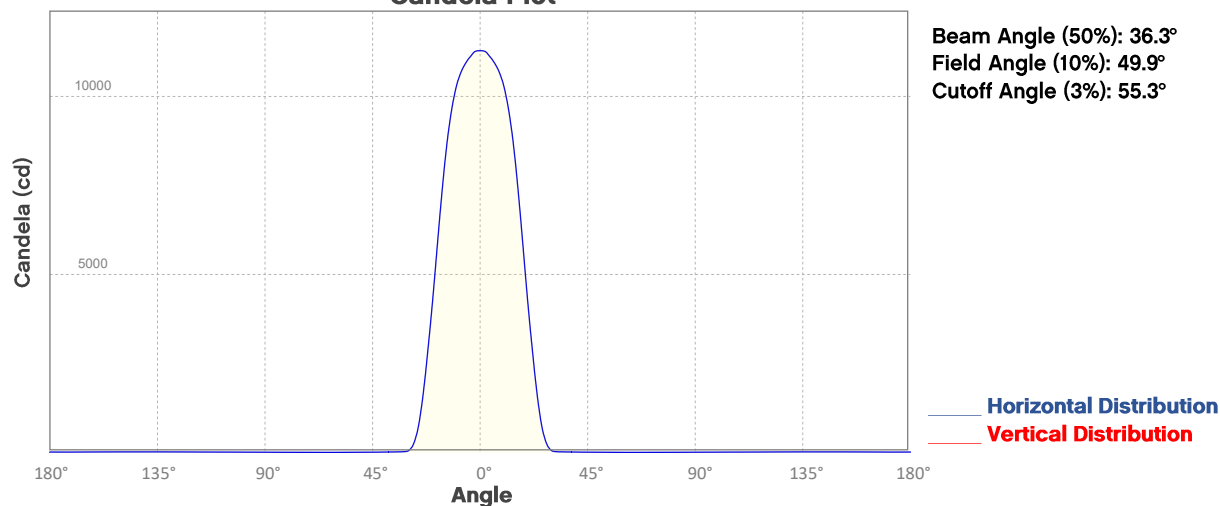
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11269	2817	1252	704	451	313	230	176	139	113
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	93	78	67	57	50	44	39	35	31	28
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1047	262	116	65	42	29	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	7	6	5	5	4	4	3	3	3

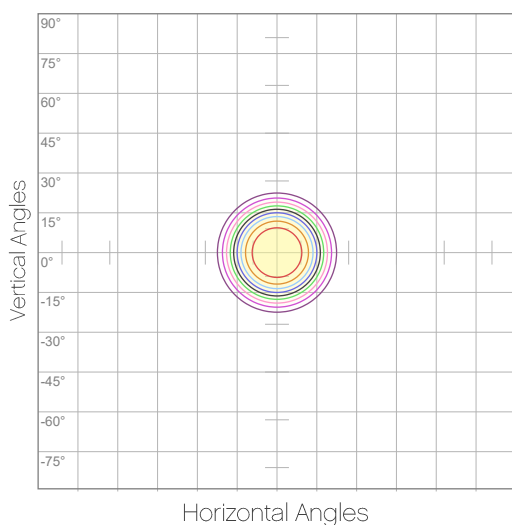
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Candela Plot



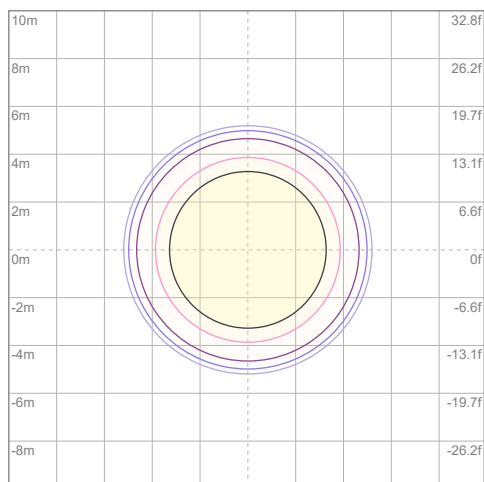
Polar Diagrams



iso-candela Diagram

10%	1127 cd
20%	2254 cd
30%	3381 cd
40%	4508 cd
50%	5634 cd
60%	6761 cd
70%	7888 cd
80%	9015 cd
90%	10142 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11269 cd



iso-illuminance Diagram

3%	3.38 lx
5%	5.63 lx
10%	11.3 lx
30%	33.8 lx
50%	56.3 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 113 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 Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 4154 lm
Peak Intensity: 12379 cd
Illuminance @ 5m: 495 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 36°
Vertical Beam Angle (50%): 36°
Horizontal Field Angle (10%): 49.8°
Vertical Field Angle (10%): 49.8°
Horizontal Cutoff Angle (3%): 55.4°
Vertical Cutoff Angle (3%): 55.4°

Conditions

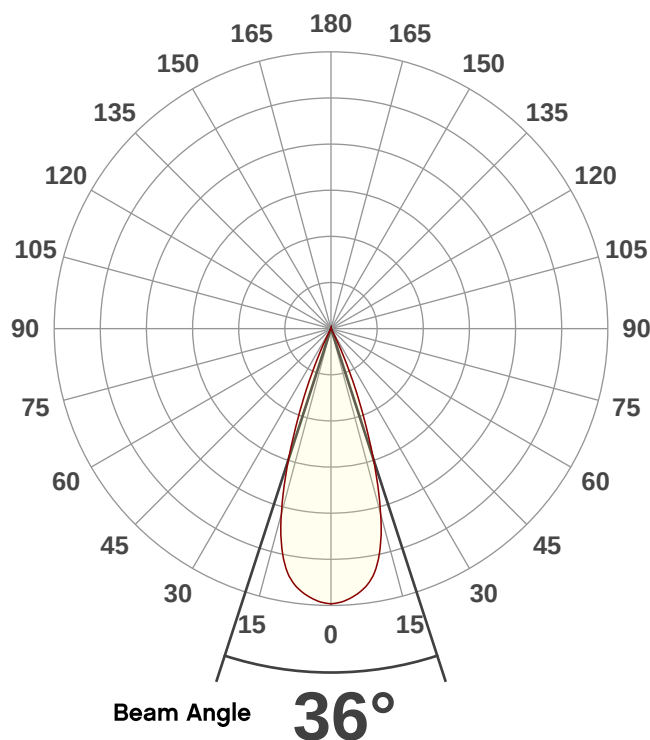
AC Supply: 118 V, 60 Hz
Power: 345.14 W
Current: 2.94 A
Power Factor: 0.99



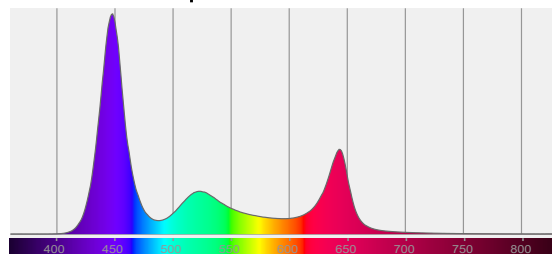
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Overall Measurement

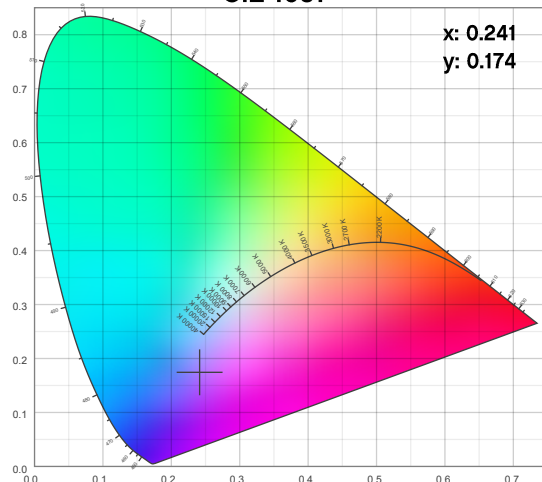
Angular Beam Distribution



Spectral Distribution



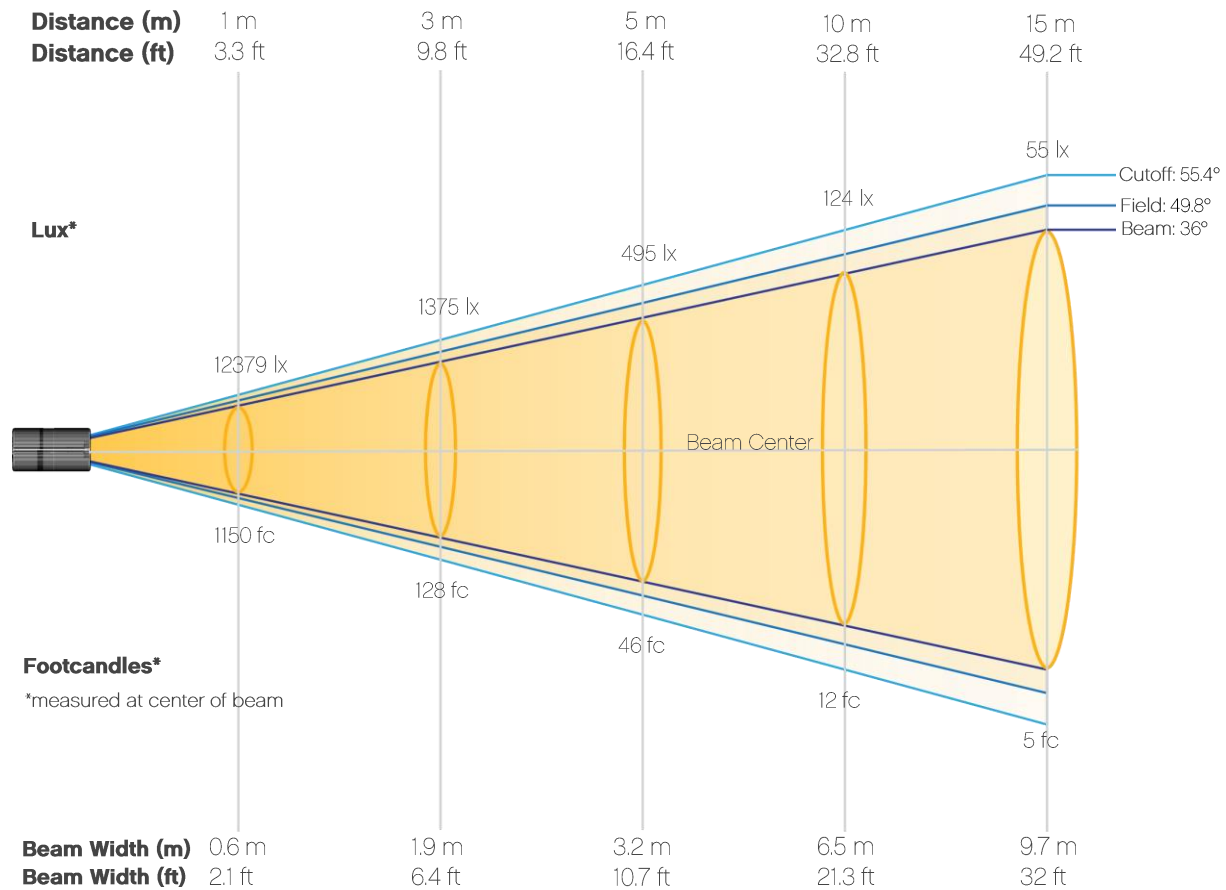
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Beam Details



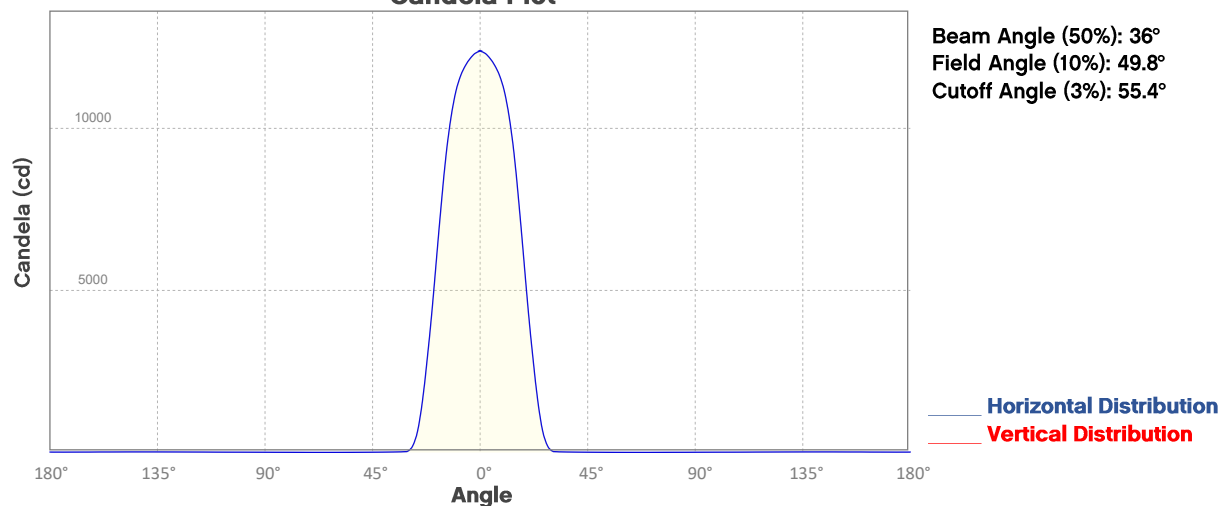
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	12379	3095	1375	774	495	344	253	193	153	124
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	102	86	73	63	55	48	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	1150	288	128	72	46	32	23	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	4	4	4	3	3

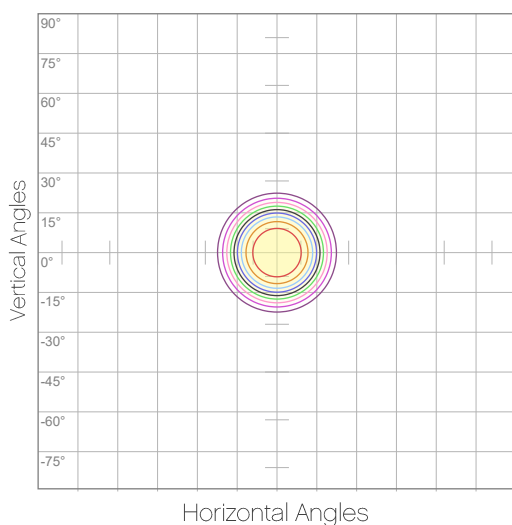
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Candela Plot



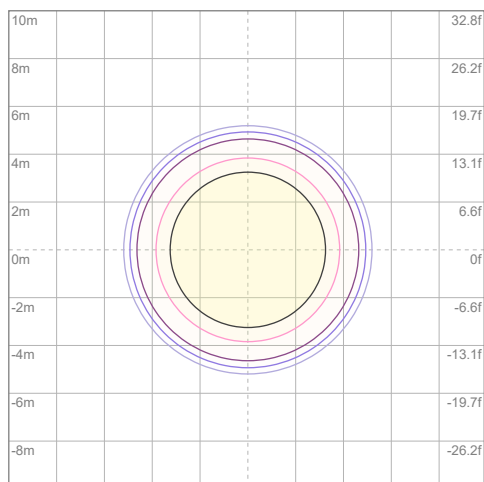
Polar Diagrams



iso-candela Diagram

10%	1238 cd
20%	2476 cd
30%	3714 cd
40%	4952 cd
50%	6189 cd
60%	7427 cd
70%	8665 cd
80%	9903 cd
90%	11141 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 12379 cd



iso-illuminance Diagram

3%	3.71 lx
5%	6.19 lx
10%	12.4 lx
30%	37.1 lx
50%	61.9 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 Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 3775 lm
Peak Intensity: 11102 cd
Illuminance @ 5m: 444 lux
Fixture Efficacy: 15 lm/W

Optical

Horizontal Beam Angle (50%): 36.2°
Vertical Beam Angle (50%): 36.2°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.3°
Vertical Cutoff Angle (3%): 55.3°

Conditions

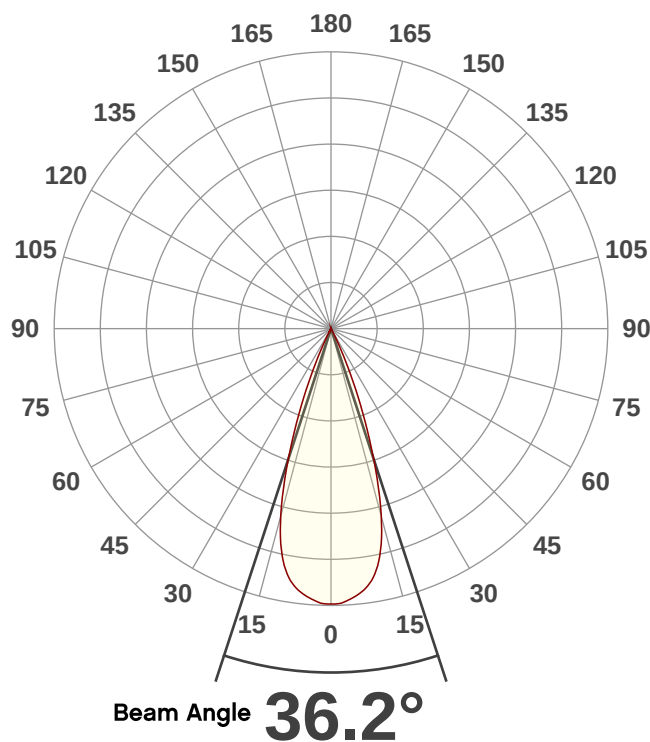
AC Supply: 120 V, 60 Hz
Power: 253.76 W
Current: 2.11 A
Power Factor: 0.99



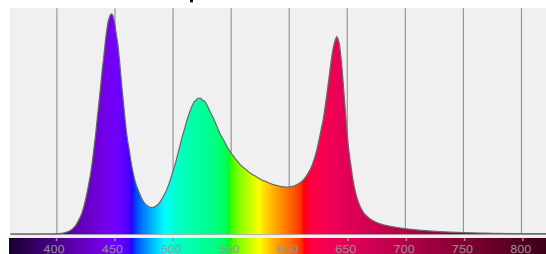
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/6/2021 to LM-63-2002 Standards.

Overall Measurement

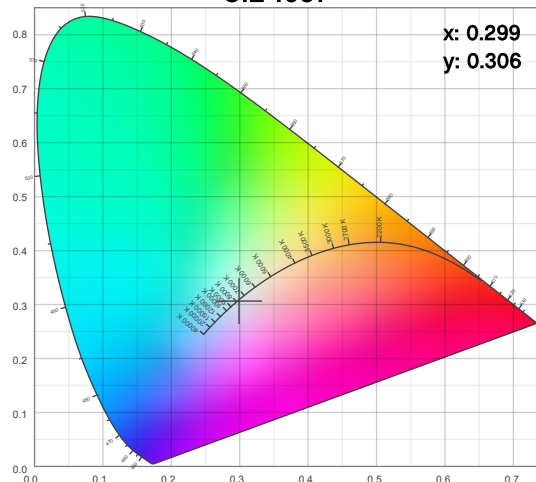
Angular Beam Distribution



Spectral Distribution



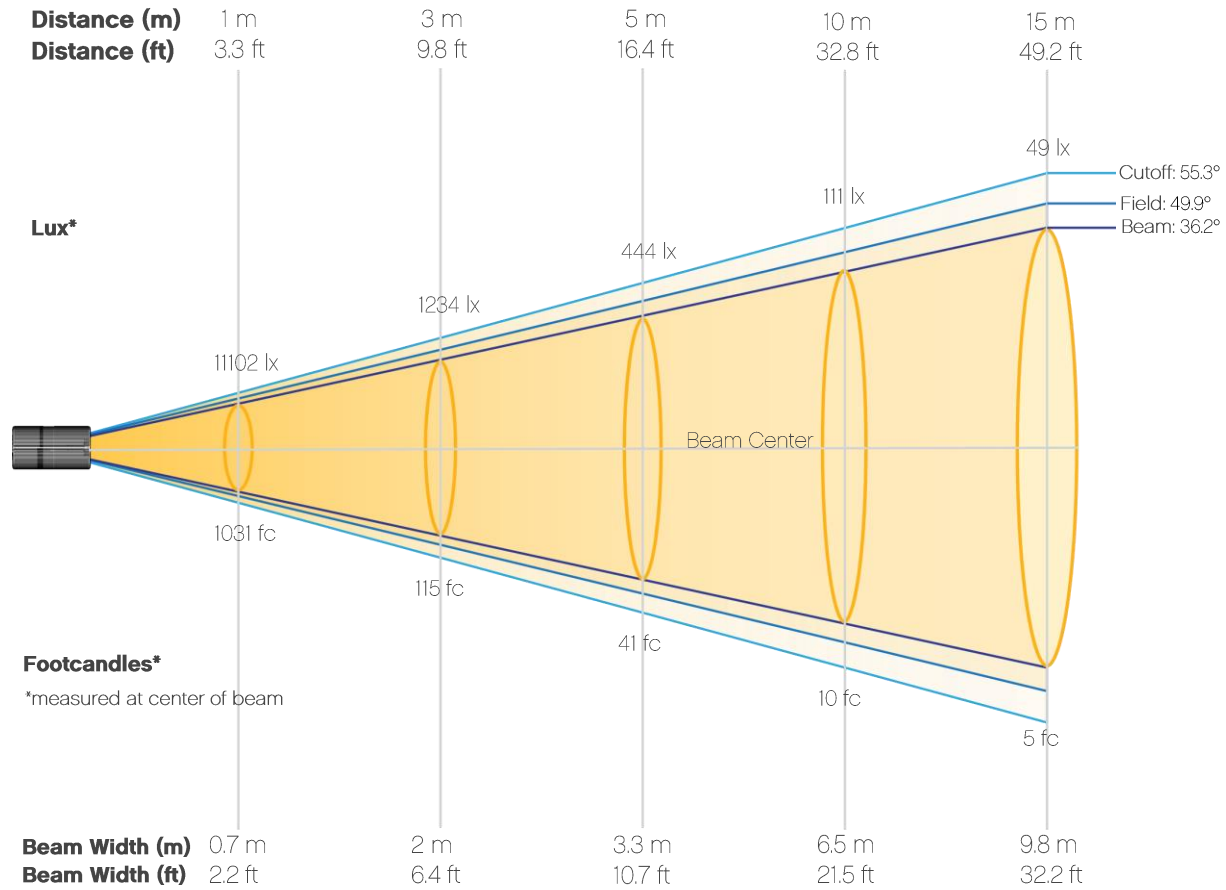
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Beam Details



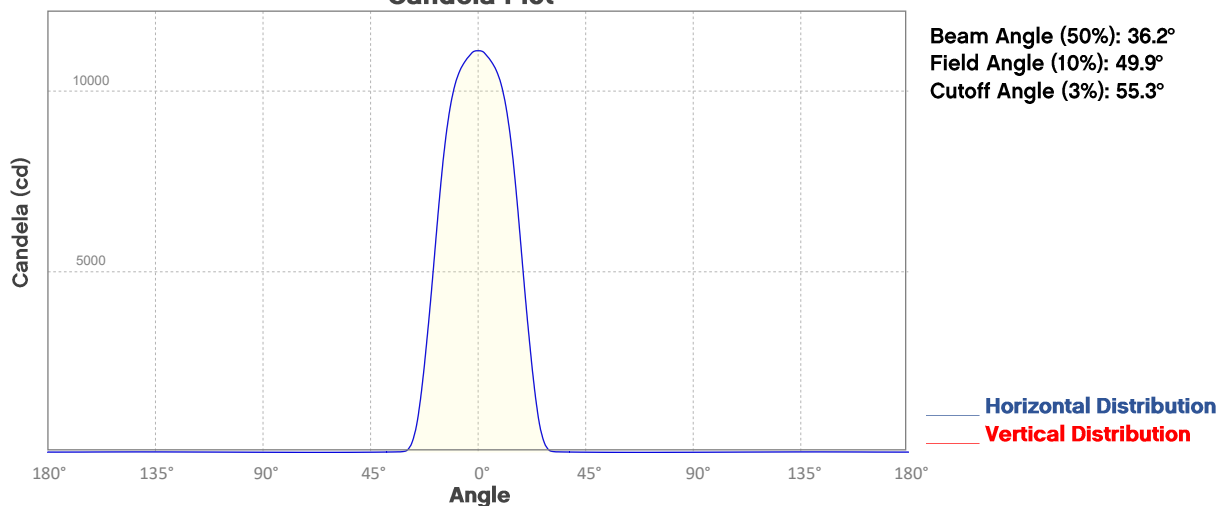
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11102	2776	1234	694	444	308	227	173	137	111
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	92	77	66	57	49	43	38	34	31	28
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1031	258	115	64	41	29	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	7	6	5	5	4	4	3	3	3

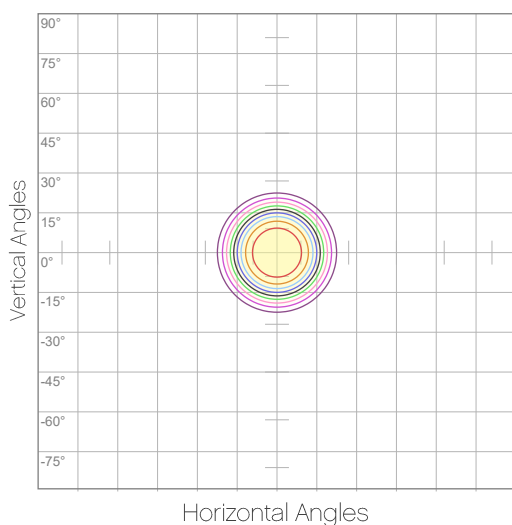
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Candela Plot



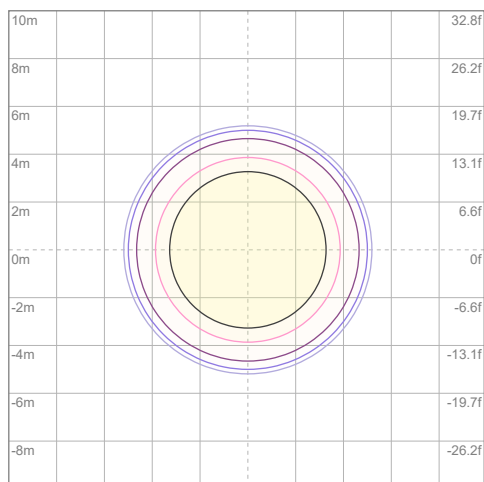
Polar Diagrams



iso-candela Diagram

10%	1110 cd
20%	2220 cd
30%	3331 cd
40%	4441 cd
50%	5551 cd
60%	6661 cd
70%	7771 cd
80%	8882 cd
90%	9992 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11102 cd



iso-illuminance Diagram

3%	3.33 lx
5%	5.55 lx
10%	11.1 lx
30%	33.3 lx
50%	55.5 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 111 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 Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 3986 lm
Peak Intensity: 11828 cd
Illuminance @ 5m: 473 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 36°
Vertical Beam Angle (50%): 36°
Horizontal Field Angle (10%): 49.8°
Vertical Field Angle (10%): 49.8°
Horizontal Cutoff Angle (3%): 55.3°
Vertical Cutoff Angle (3%): 55.3°

Conditions

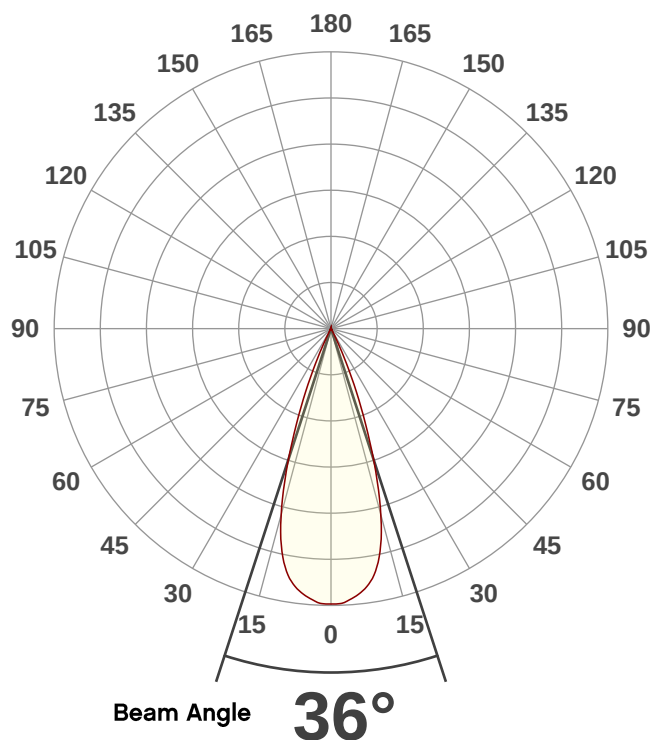
AC Supply: 121 V, 60 Hz
Power: 340.67 W
Current: 2.83 A
Power Factor: 0.99



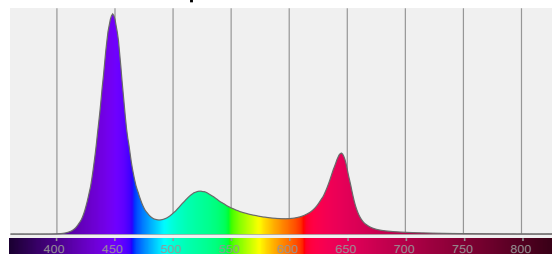
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Overall Measurement

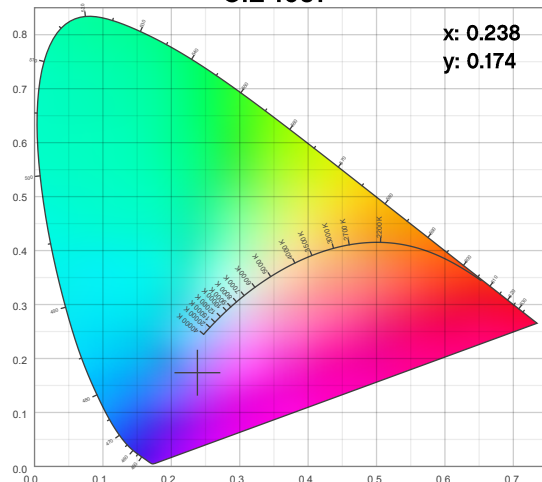
Angular Beam Distribution



Spectral Distribution



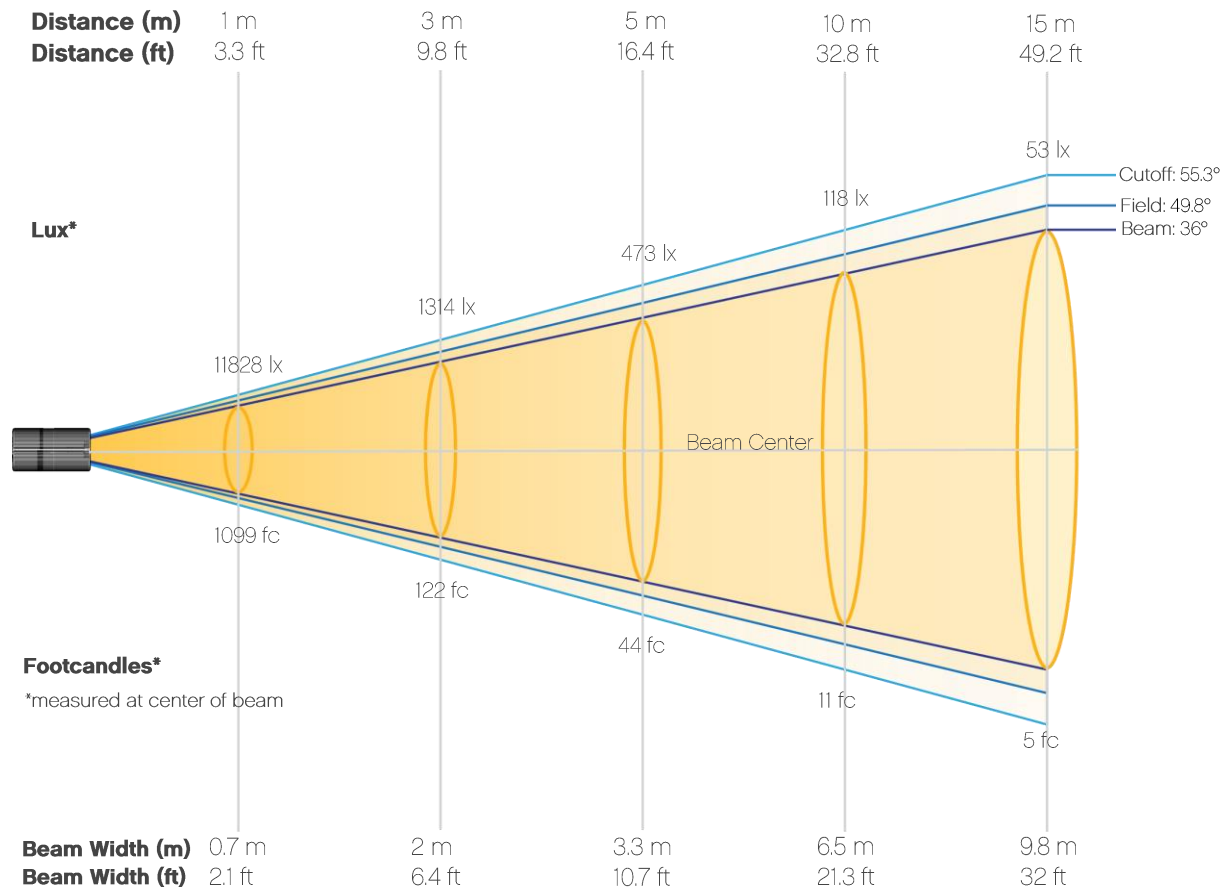
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Beam Details



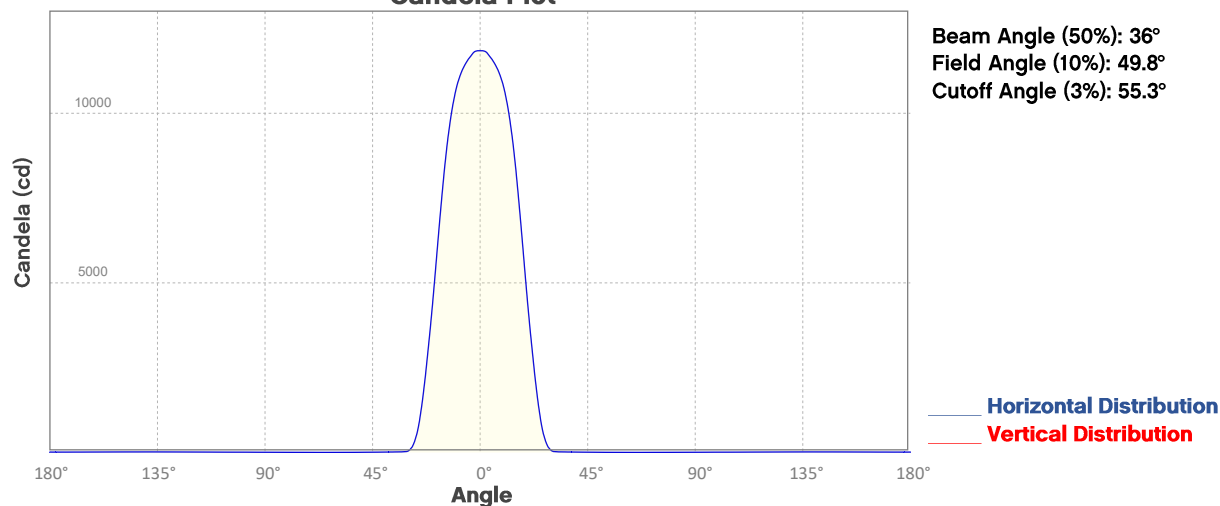
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11828	2957	1314	739	473	329	241	185	146	118
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	98	82	70	60	53	46	41	37	33	30
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1099	275	122	69	44	31	22	17	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

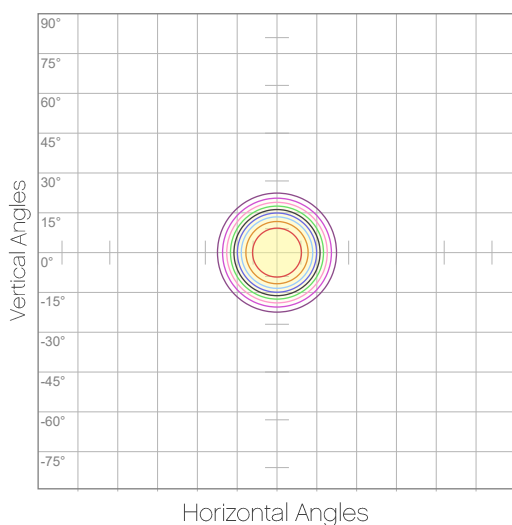
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Candela Plot



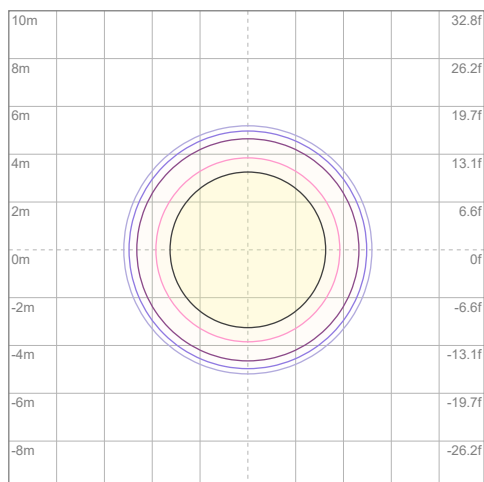
Polar Diagrams



iso-candela Diagram

10%	1183 cd
20%	2366 cd
30%	3548 cd
40%	4731 cd
50%	5914 cd
60%	7097 cd
70%	8279 cd
80%	9462 cd
90%	10645 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11828 cd



iso-illuminance Diagram

3%	3.55 lx
5%	5.91 lx
10%	11.8 lx
30%	35.5 lx
50%	59.1 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 118 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 Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 3749 lm
Peak Intensity: 11038 cd
Illuminance @ 5m: 442 lux
Fixture Efficacy: 15 lm/W

Optical

Horizontal Beam Angle (50%): 36.2°
Vertical Beam Angle (50%): 36.2°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.3°
Vertical Cutoff Angle (3%): 55.3°

Conditions

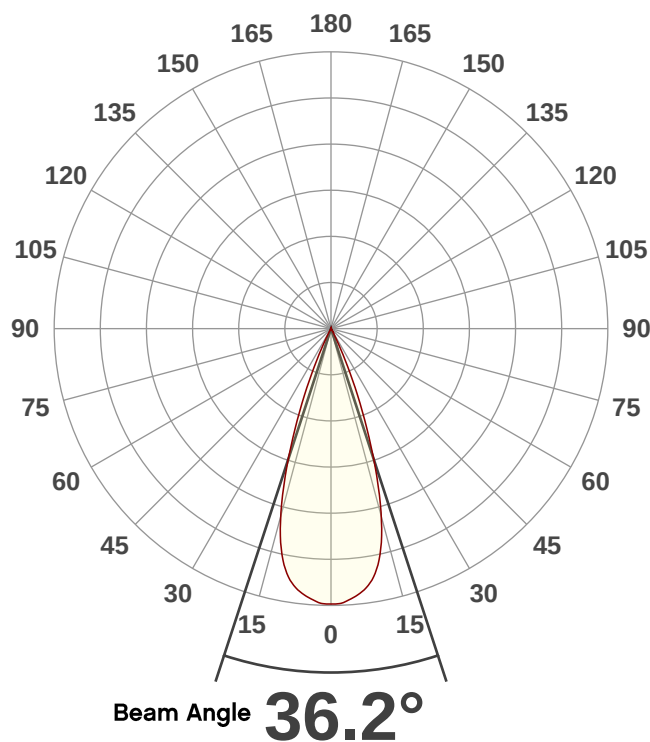
AC Supply: 121 V, 60 Hz
Power: 252.94 W
Current: 2.10 A
Power Factor: 0.99



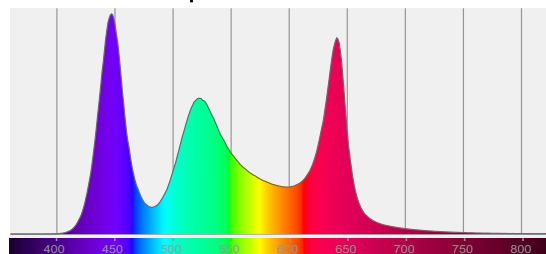
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Overall Measurement

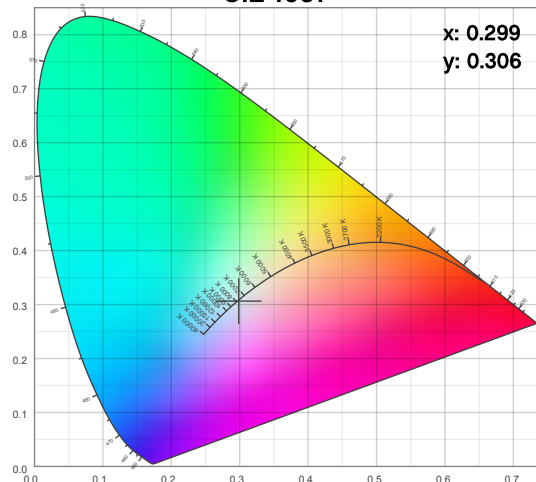
Angular Beam Distribution



Spectral Distribution



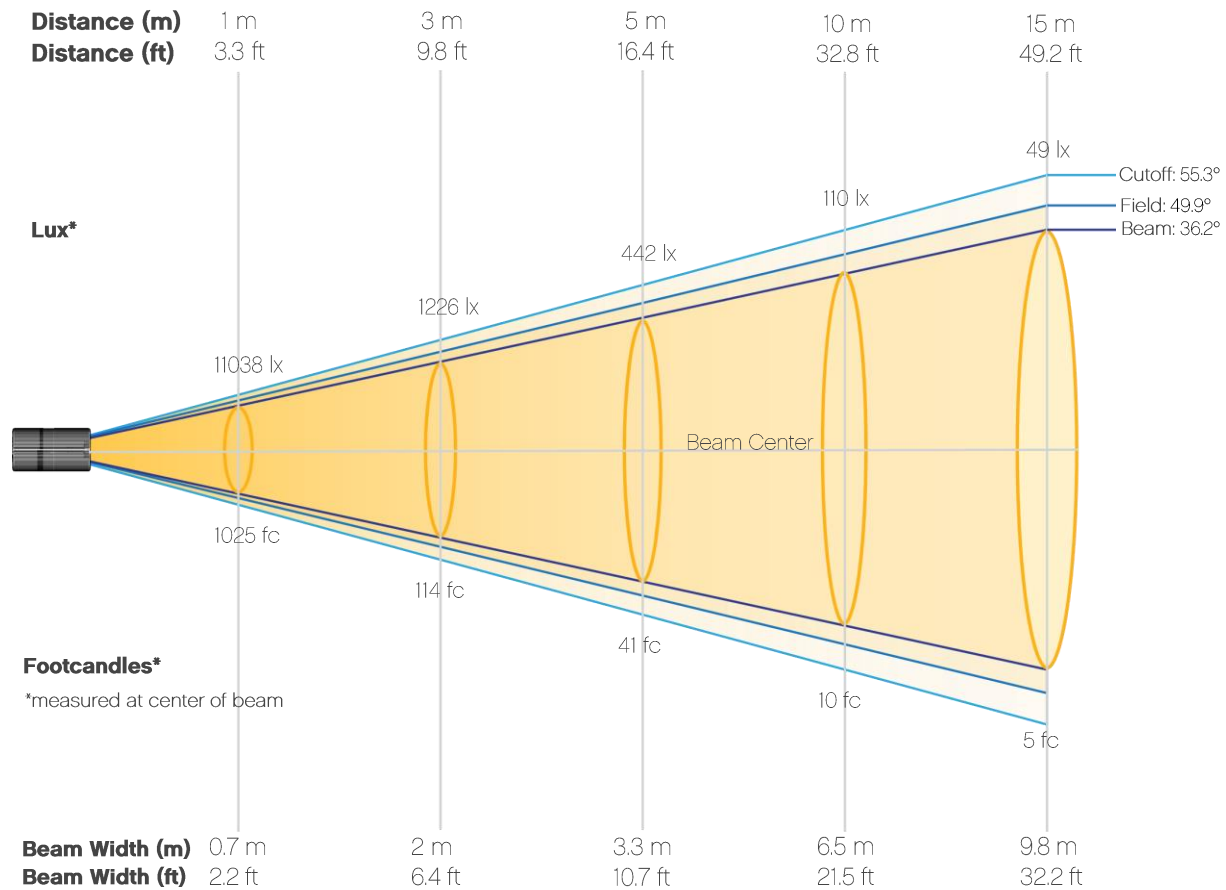
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Beam Details



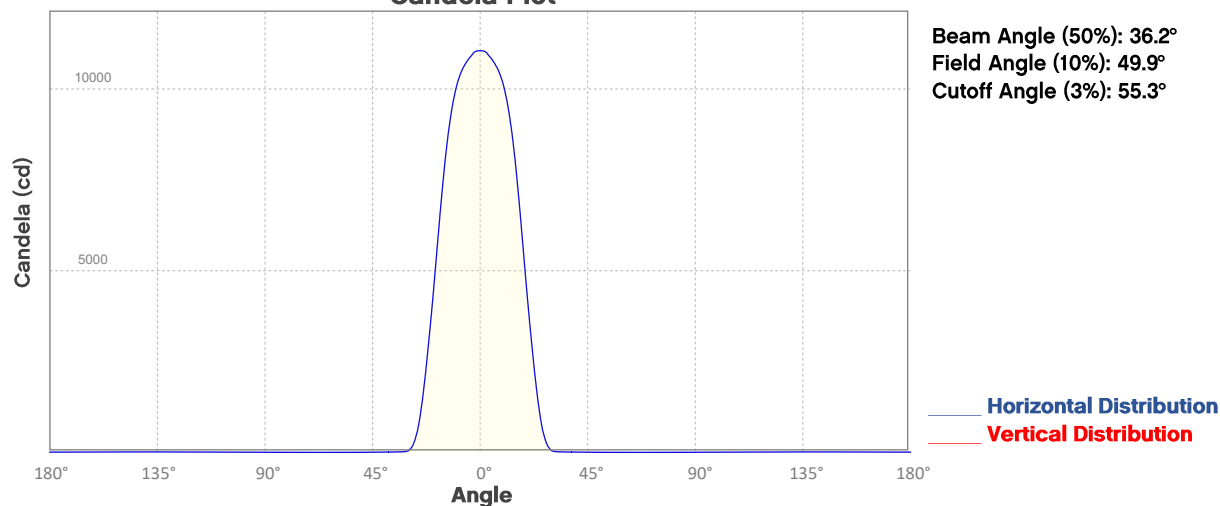
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11038	2759	1226	690	442	307	225	172	136	110
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	91	77	65	56	49	43	38	34	31	28
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1025	256	114	64	41	28	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	8	7	6	5	5	4	4	3	3	3

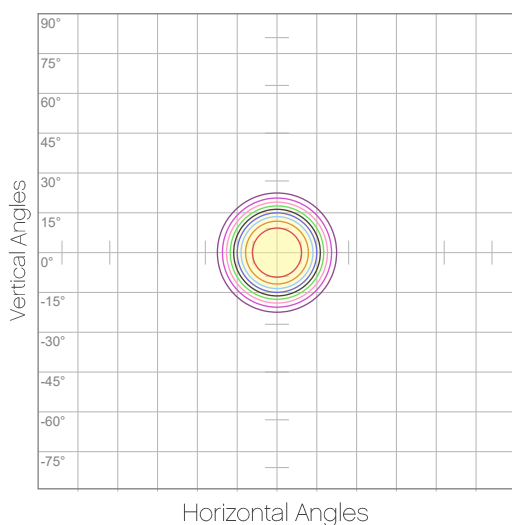
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Candela Plot



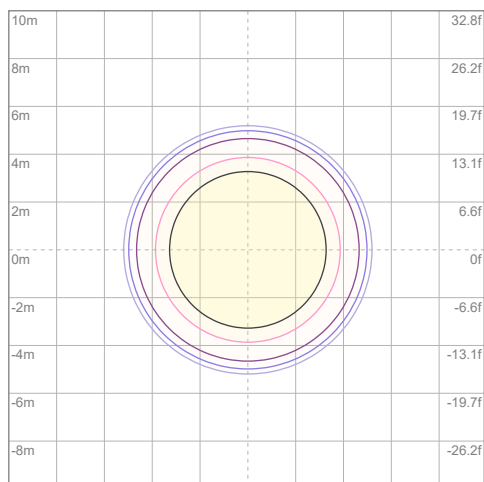
Polar Diagrams



iso-candela Diagram

10%	1104 cd
20%	2208 cd
30%	3311 cd
40%	4415 cd
50%	5519 cd
60%	6623 cd
70%	7726 cd
80%	8830 cd
90%	9934 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 11038 cd



iso-illuminance Diagram

3%	3.31 lx
5%	5.52 lx
10%	11.0 lx
30%	33.1 lx
50%	55.2 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 110 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 Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 4070 lm
Peak Intensity: 12044 cd
Illuminance @ 5m: 482 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 36.1°
Vertical Beam Angle (50%): 36.1°
Horizontal Field Angle (10%): 49.9°
Vertical Field Angle (10%): 49.9°
Horizontal Cutoff Angle (3%): 55.3°
Vertical Cutoff Angle (3%): 55.3°

Conditions

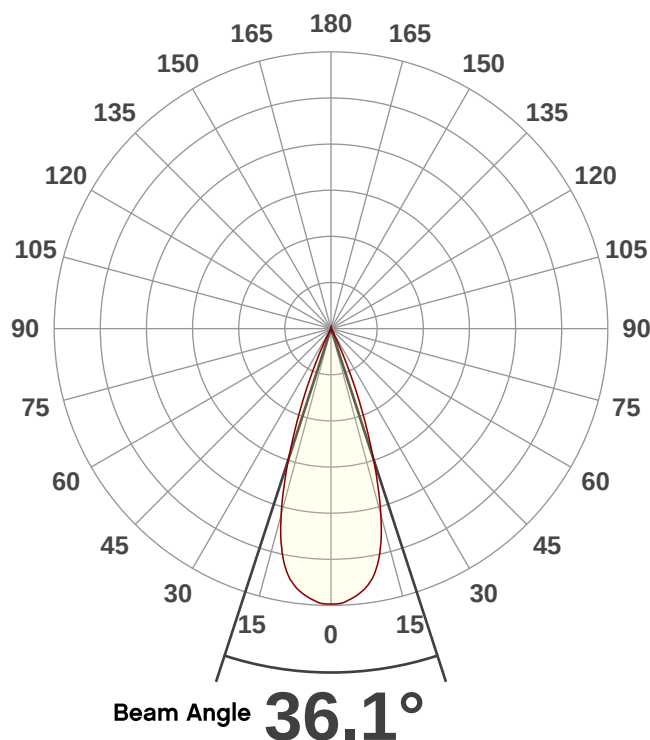
AC Supply: 120 V, 60 Hz
Power: 342.07 W
Current: 2.85 A
Power Factor: 0.99



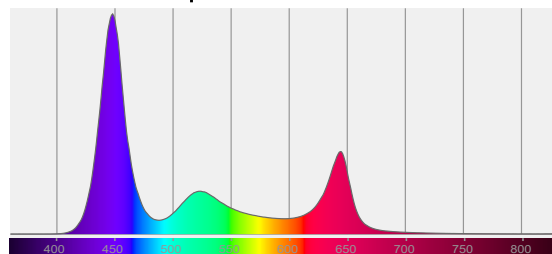
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Overall Measurement

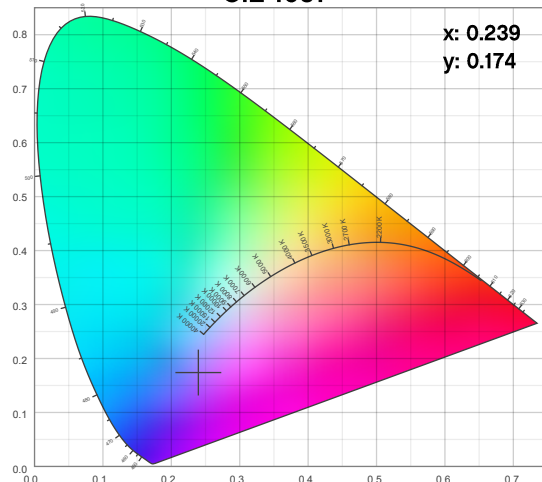
Angular Beam Distribution



Spectral Distribution



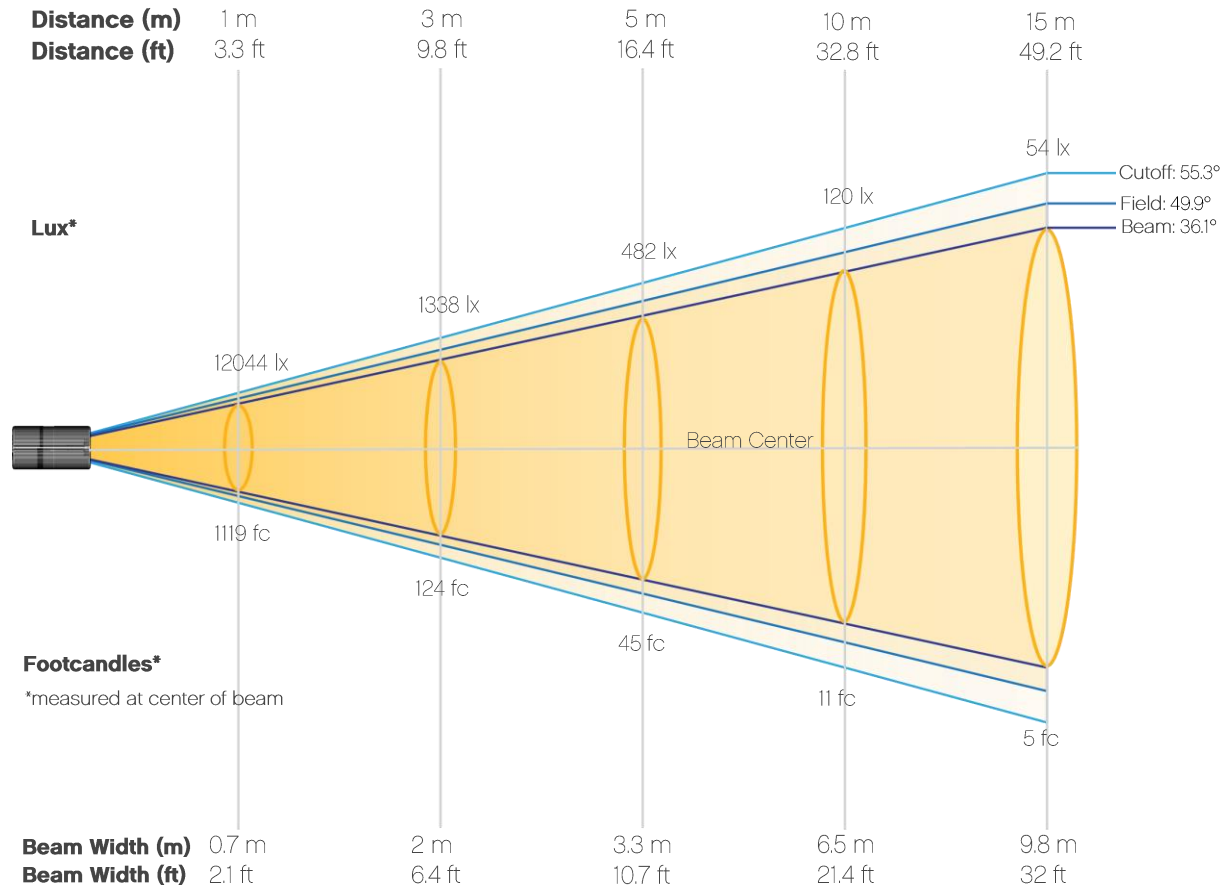
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Beam Details



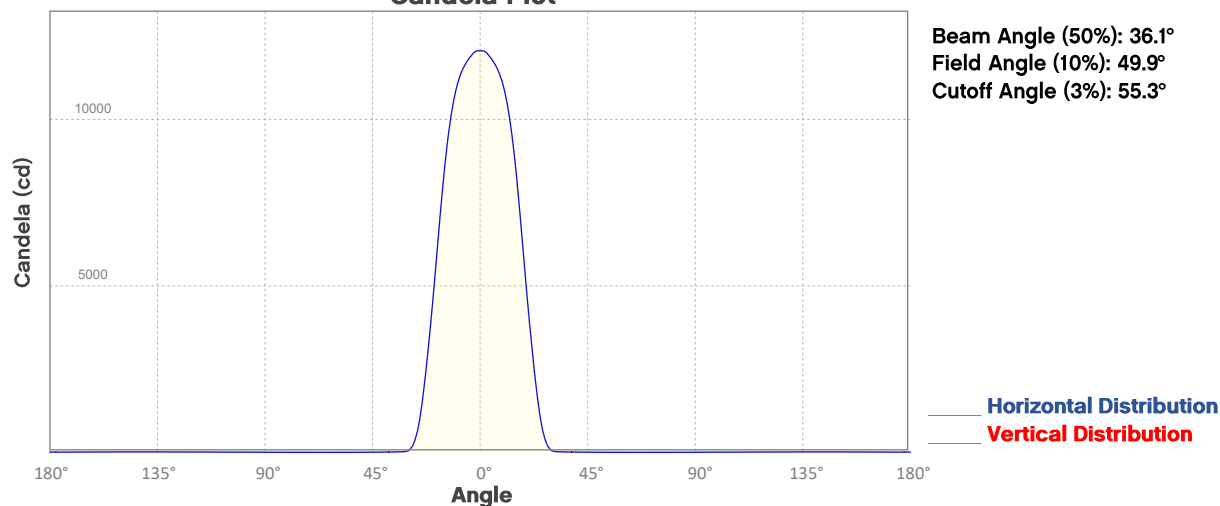
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	12044	3011	1338	753	482	335	246	188	149	120
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	100	84	71	61	54	47	42	37	33	30
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1119	280	124	70	45	31	23	17	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

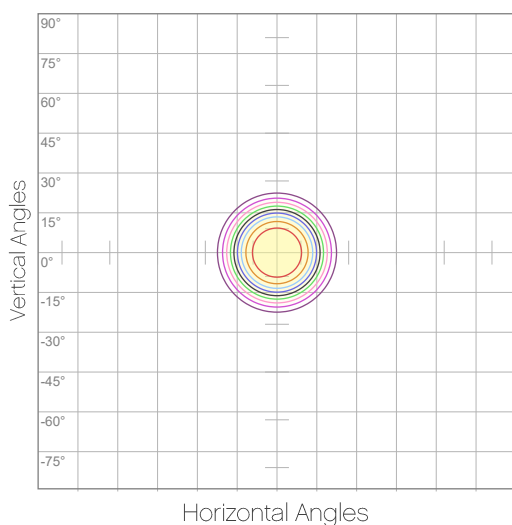
Photometric Report

Rogue Outcast 1 BW: Full Flood, Full Power-w/Ring Off

Candela Plot



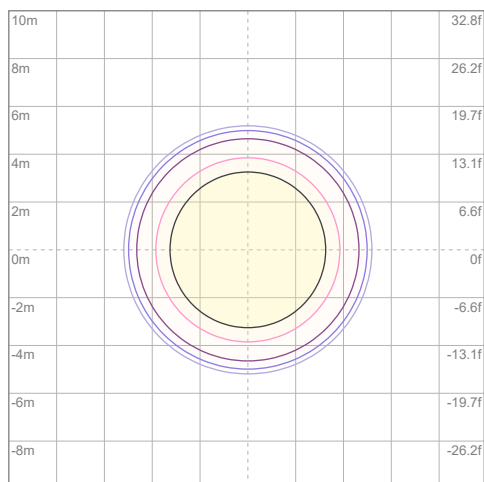
Polar Diagrams



iso-candela Diagram

10%	1204 cd
20%	2409 cd
30%	3613 cd
40%	4818 cd
50%	6022 cd
60%	7227 cd
70%	8431 cd
80%	9636 cd
90%	10840 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 12044 cd



iso-illuminance Diagram

3%	3.61 lx
5%	6.02 lx
10%	12.0 lx
30%	36.1 lx
50%	60.2 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 120 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 Outcast 1 BW: 50% Zoom, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 2671 lm

Peak Intensity: 40525 cd

Illuminance @ 5m: 1621 lux

Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 15.8°

Vertical Beam Angle (50%): 15.8°

Horizontal Field Angle (10%): 21°

Vertical Field Angle (10%): 21°

Horizontal Cutoff Angle (3%): 23.4°

Vertical Cutoff Angle (3%): 23.4°

Conditions

AC Supply: 120 V, 60 Hz

Power: 256.61 W

Current: 2.14 A

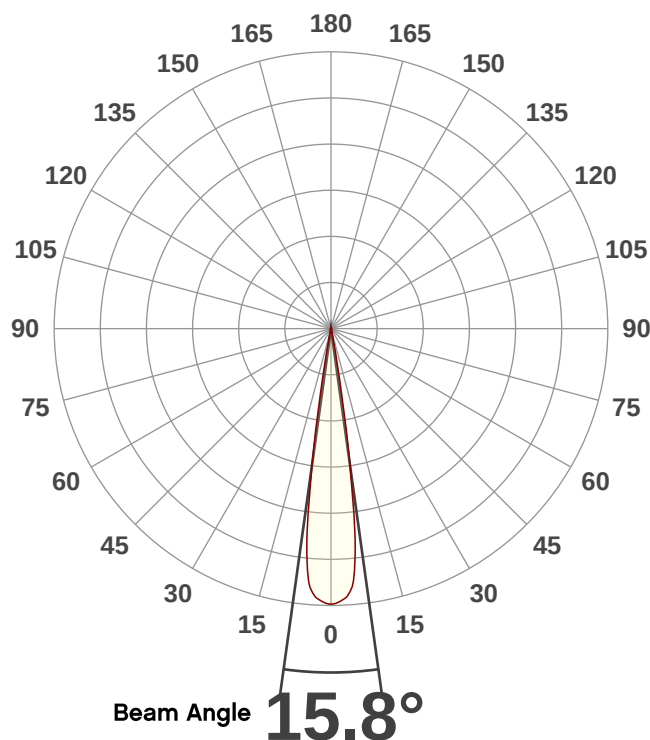
Power Factor: 0.99



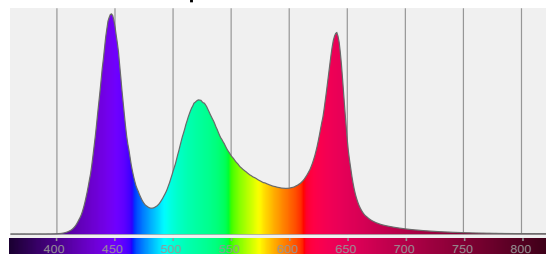
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Overall Measurement

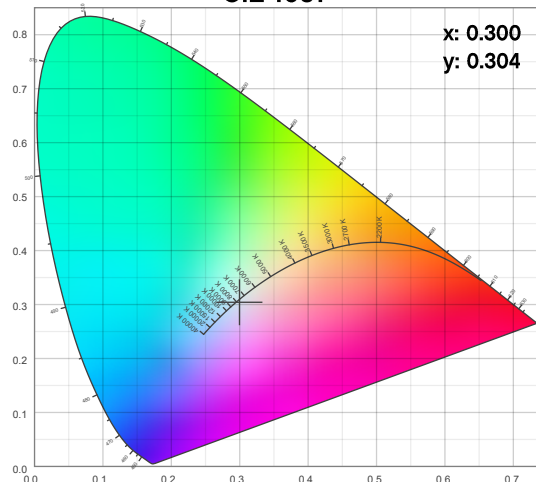
Angular Beam Distribution



Spectral Distribution



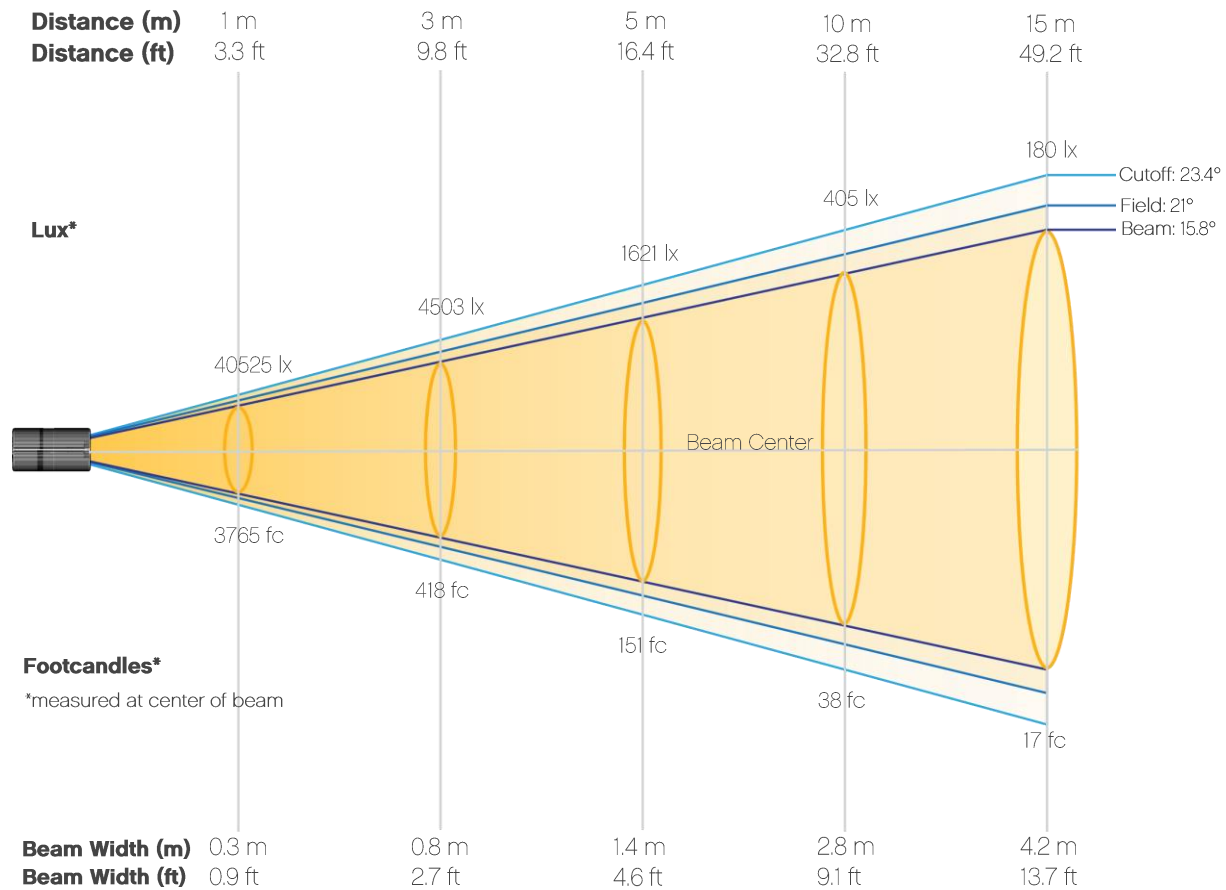
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring Off

Beam Details



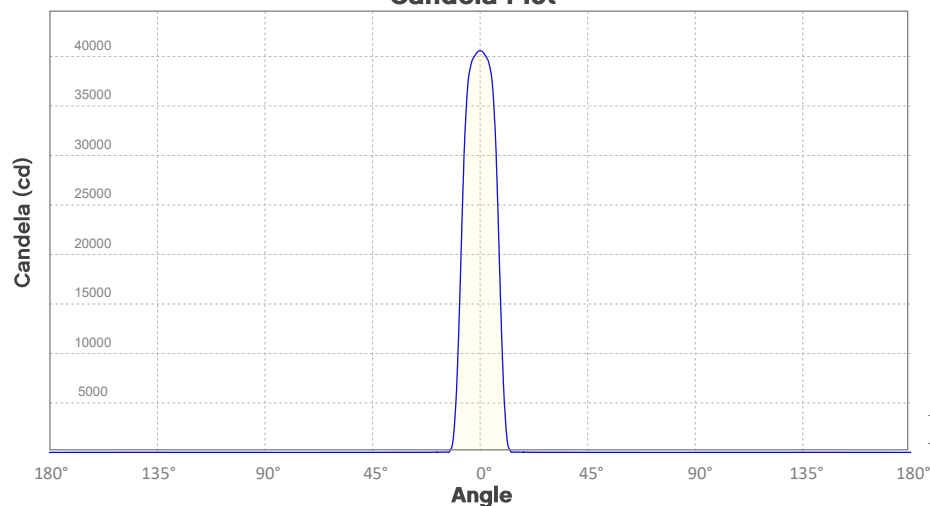
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	40525	10131	4503	2533	1621	1126	827	633	500	405
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	335	281	240	207	180	158	140	125	112	101
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3765	941	418	235	151	105	77	59	46	38
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	31	26	22	19	17	15	13	12	10	9

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring Off

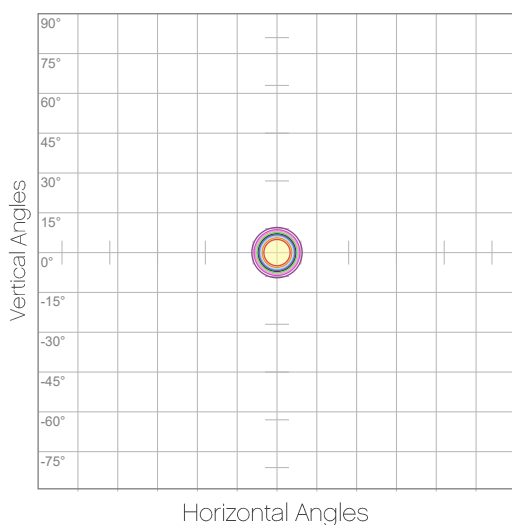
Candela Plot



Beam Angle (50%): 15.8°
Field Angle (10%): 21°
Cutoff Angle (3%): 23.4°

Horizontal Distribution
Vertical Distribution

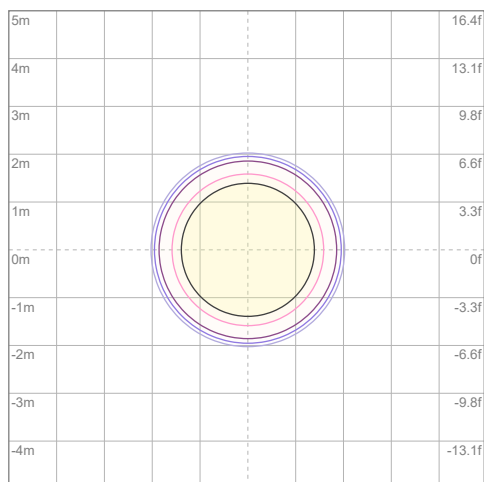
Polar Diagrams



iso-candela Diagram

10%	4052 cd
20%	8105 cd
30%	12157 cd
40%	16210 cd
50%	20262 cd
60%	24315 cd
70%	28367 cd
80%	32420 cd
90%	36472 cd

Conditions:
Number of c-planes: 2
Candela at center: 40525 cd



iso-illuminance Diagram

3%	12.2 lx
5%	20.3 lx
10%	40.5 lx
30%	122 lx
50%	203 lx

Conditions:
Number of c-planes: 2
Lux at center: 405 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 Outcast 1 BW: 50% Zoom, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 2932 lm
Peak Intensity: 44575 cd
Illuminance @ 5m: 1783 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 15.7°
Vertical Beam Angle (50%): 15.7°
Horizontal Field Angle (10%): 21.2°
Vertical Field Angle (10%): 21.2°
Horizontal Cutoff Angle (3%): 23.7°
Vertical Cutoff Angle (3%): 23.7°

Conditions

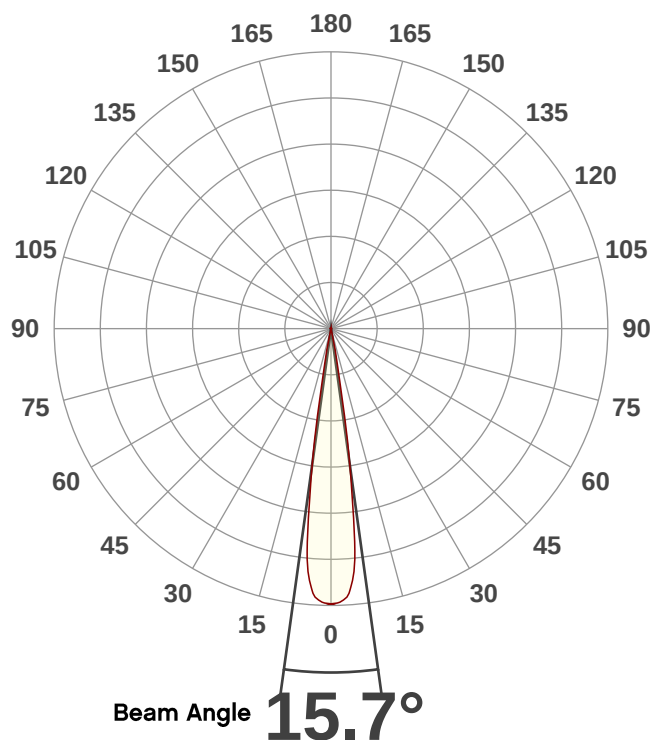
AC Supply: 118 V, 60 Hz
Power: 351.31 W
Current: 2.97 A
Power Factor: 0.99



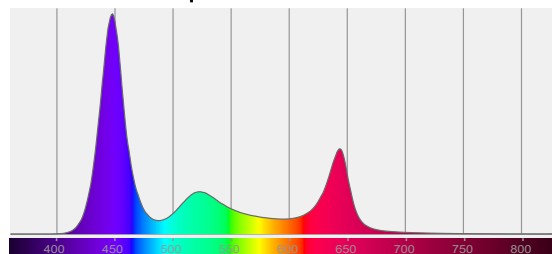
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Overall Measurement

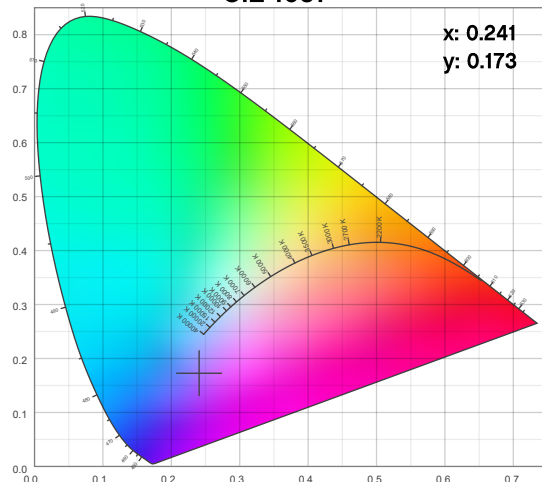
Angular Beam Distribution



Spectral Distribution



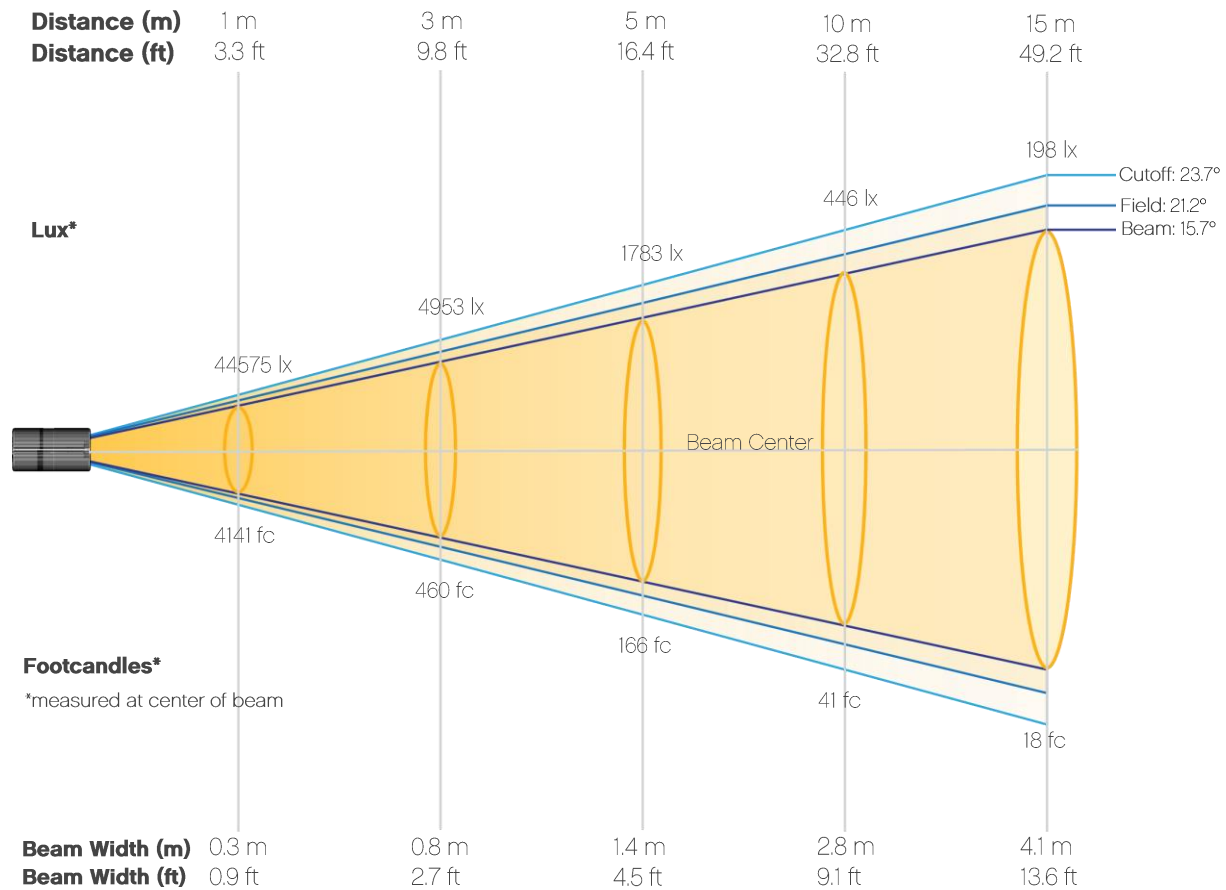
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring Off

Beam Details



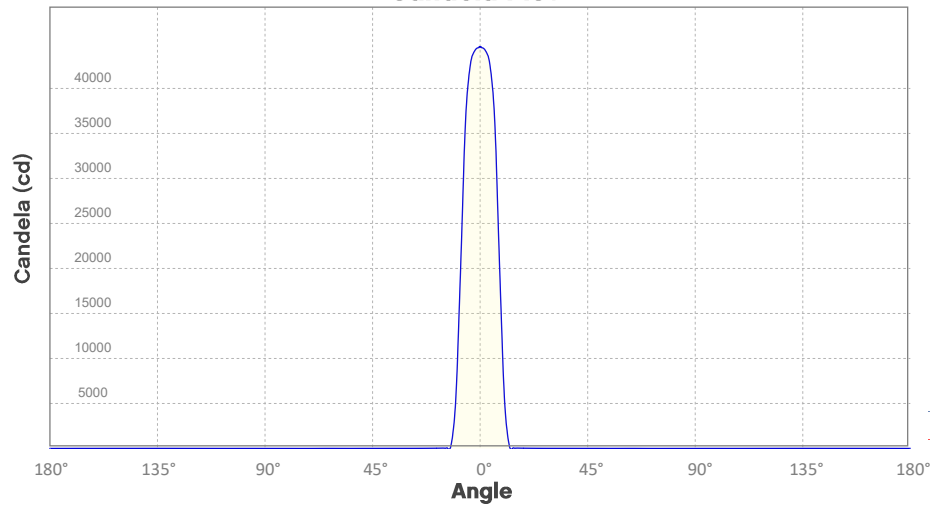
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	44575	11144	4953	2786	1783	1238	910	696	550	446
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	368	310	264	227	198	174	154	138	123	111
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4141	1035	460	259	166	115	85	65	51	41
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	34	29	25	21	18	16	14	13	11	10

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Full Power-w/Ring Off

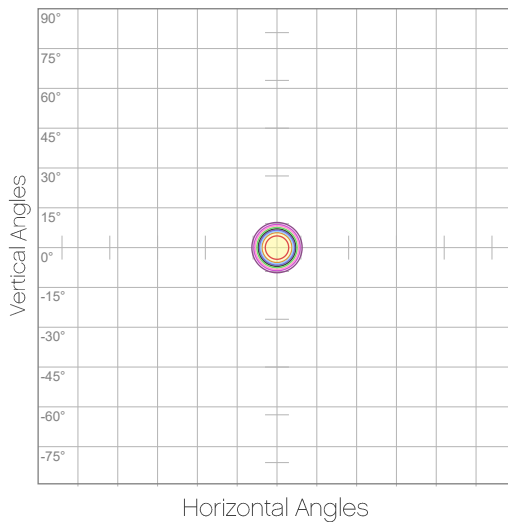
Candela Plot



Beam Angle (50%): 15.7°
Field Angle (10%): 21.2°
Cutoff Angle (3%): 23.7°

— Horizontal Distribution
— Vertical Distribution

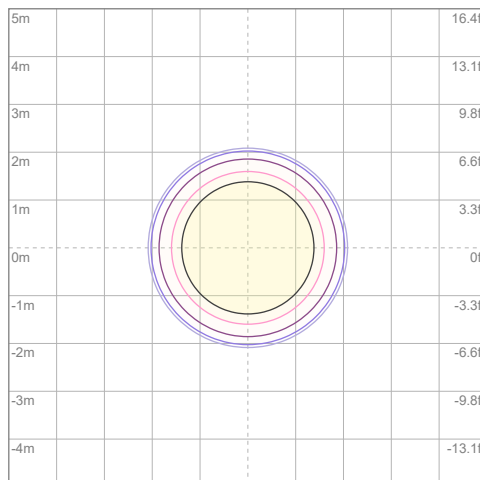
Polar Diagrams



iso-candela Diagram

10%	4457 cd
20%	8915 cd
30%	13372 cd
40%	17830 cd
50%	22287 cd
60%	26745 cd
70%	31202 cd
80%	35660 cd
90%	40117 cd

Conditions:
Number of c-planes: 2
Candela at center: 44575 cd



iso-illuminance Diagram

3%	13.4 lx
5%	22.3 lx
10%	44.6 lx
30%	134 lx
50%	223 lx

Conditions:
Number of c-planes: 2
Lux at center: 446 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Red Only-w/Ring Off

Report Summary

Output

Total Lumens: 589 lm

Peak Intensity: 8957 cd

Illuminance @ 5m: 358 lux

Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 15.7°

Vertical Beam Angle (50%): 15.7°

Horizontal Field Angle (10%): 21.2°

Vertical Field Angle (10%): 21.2°

Horizontal Cutoff Angle (3%): 23.5°

Vertical Cutoff Angle (3%): 23.5°

Conditions

AC Supply: 120 V, 60 Hz

Power: 99.63 W

Current: 0.832 A

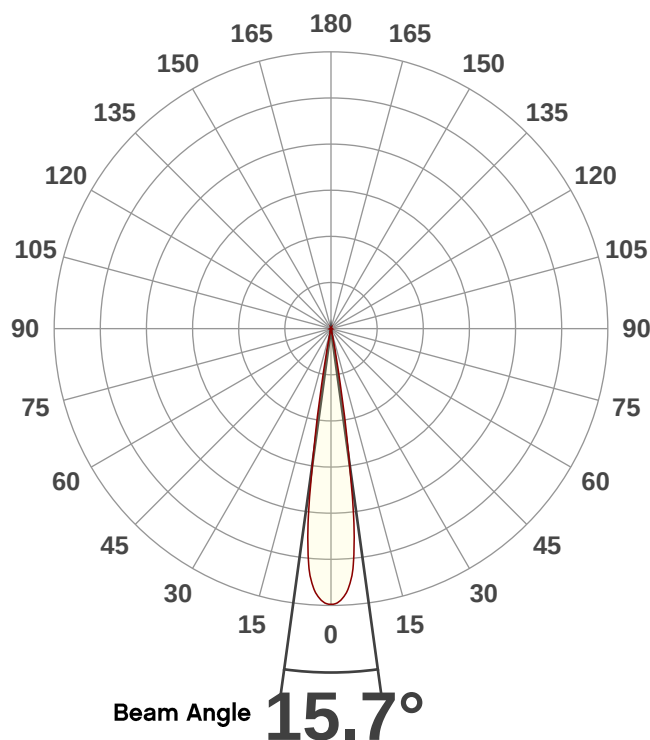
Power Factor: 0.97



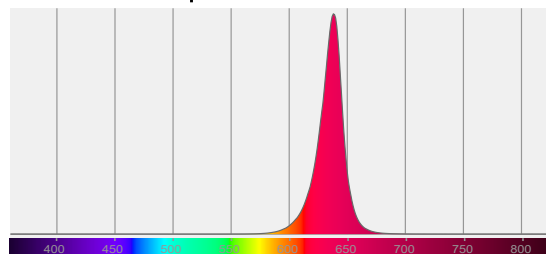
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Overall Measurement

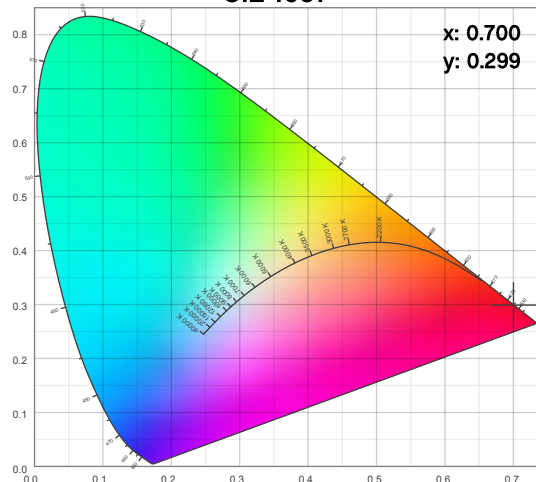
Angular Beam Distribution



Spectral Distribution



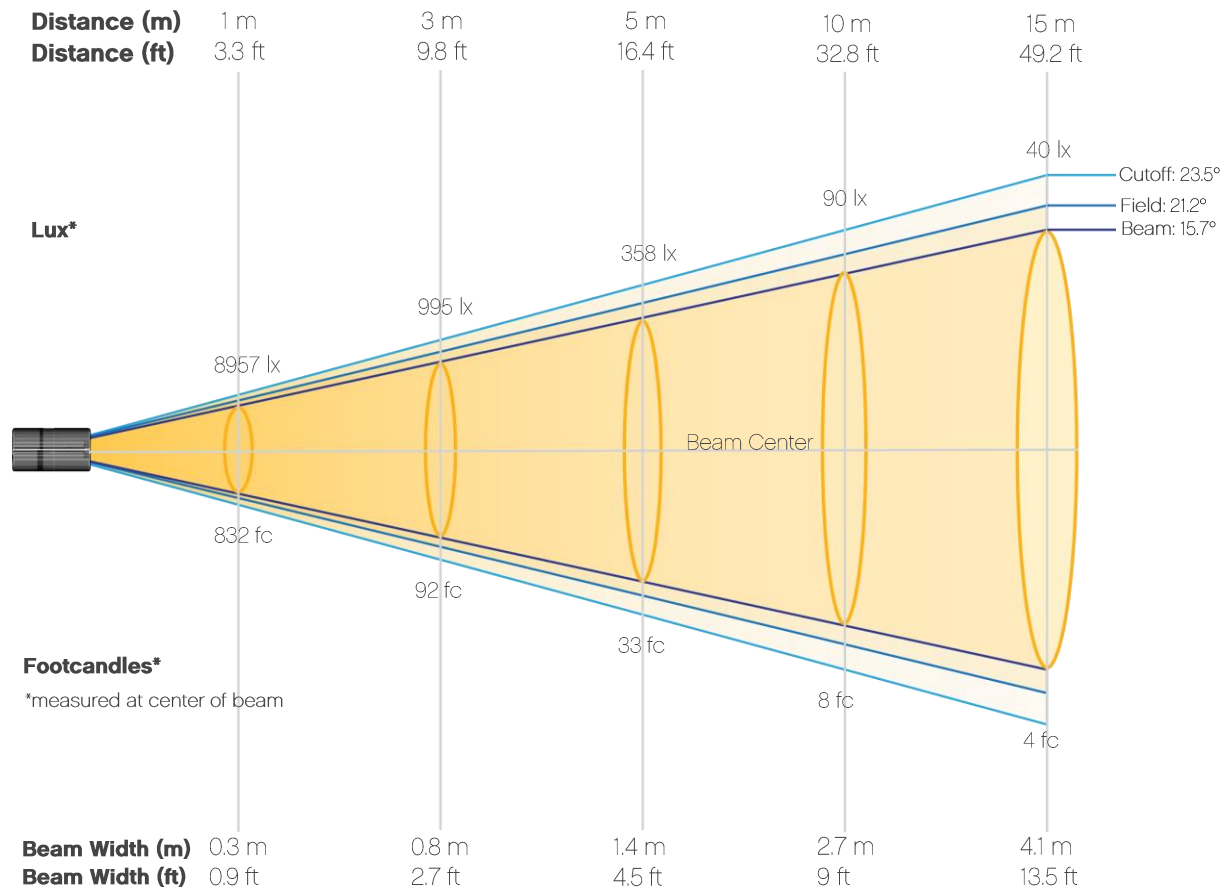
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Red Only-w/Ring Off

Beam Details



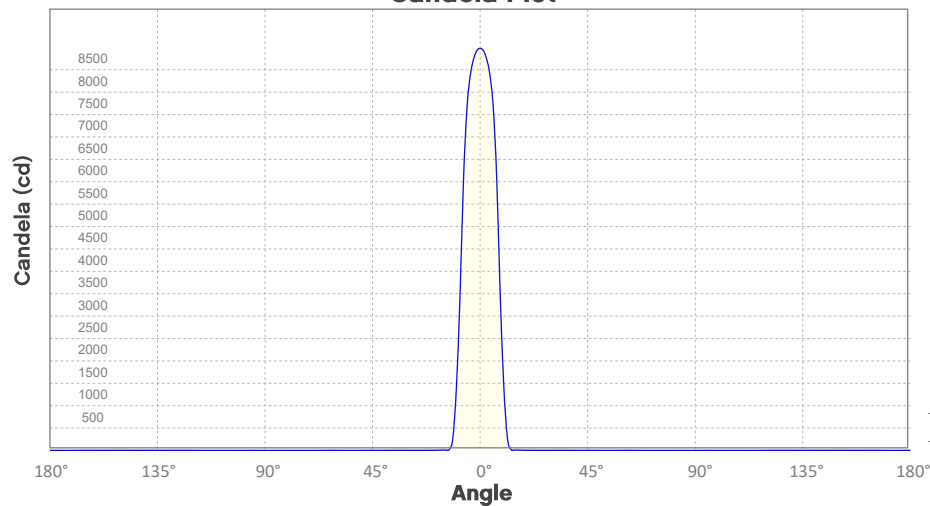
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8957	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 Outcast 1 BW: 50% Zoom, Red Only-w/Ring Off

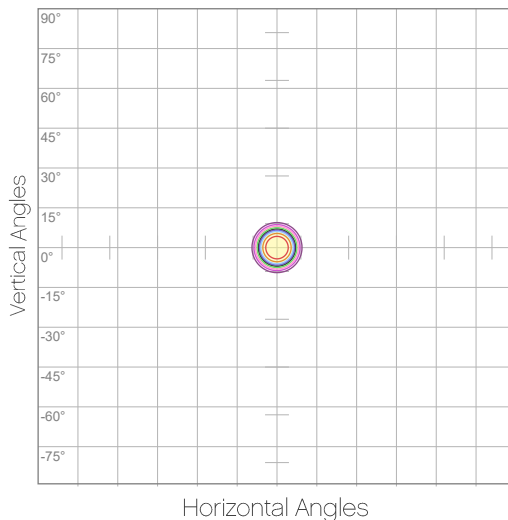
Candela Plot



Beam Angle (50%): 15.7°
Field Angle (10%): 21.2°
Cutoff Angle (3%): 23.5°

Horizontal Distribution
Vertical Distribution

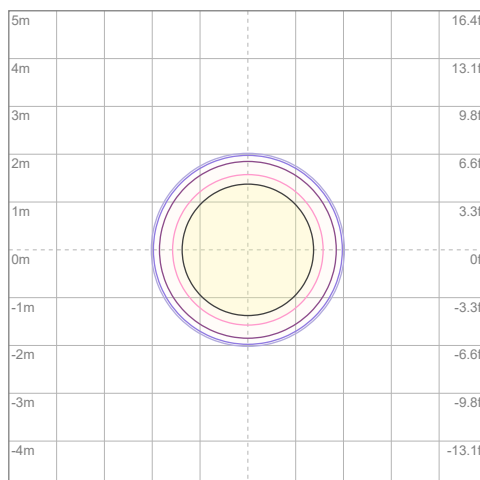
Polar Diagrams



iso-candela Diagram

10%	896 cd
20%	1791 cd
30%	2687 cd
40%	3583 cd
50%	4479 cd
60%	5374 cd
70%	6270 cd
80%	7166 cd
90%	8062 cd

Conditions:
Number of c-planes: 2
Candela at center: 8957 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 Outcast 1 BW: 50% Zoom, Green Only-w/Ring Off

Report Summary

Output

Total Lumens: 988 lm

Peak Intensity: 15435 cd

Illuminance @ 5m: 617 lux

Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 15.6°

Vertical Beam Angle (50%): 15.6°

Horizontal Field Angle (10%): 20.9°

Vertical Field Angle (10%): 20.9°

Horizontal Cutoff Angle (3%): 22.8°

Vertical Cutoff Angle (3%): 22.8°

Conditions

AC Supply: 119 V, 60 Hz

Power: 129.12 W

Current: 1.08 A

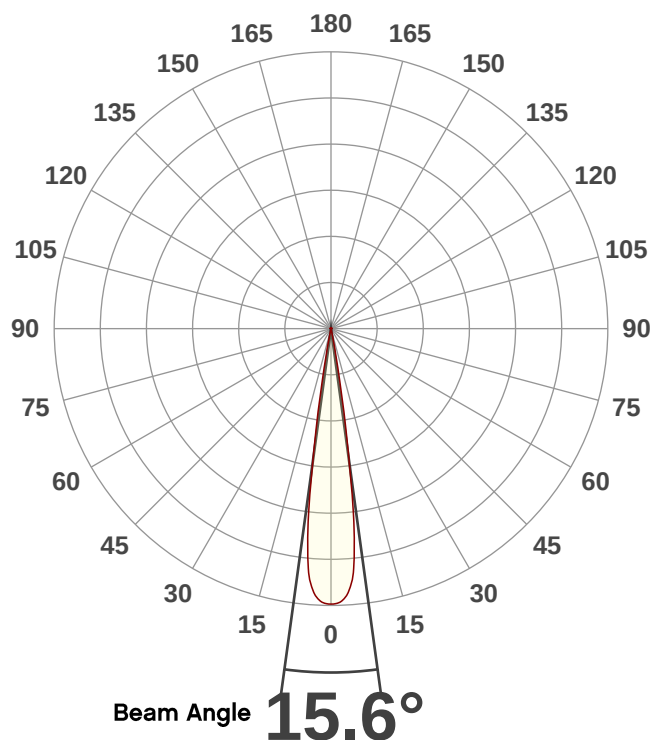
Power Factor: 0.99



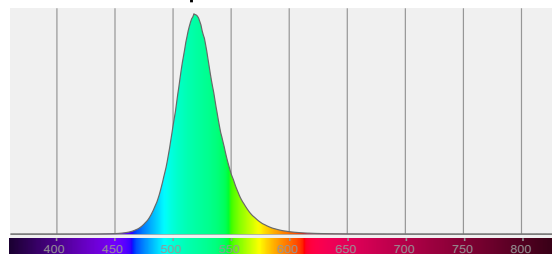
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Overall Measurement

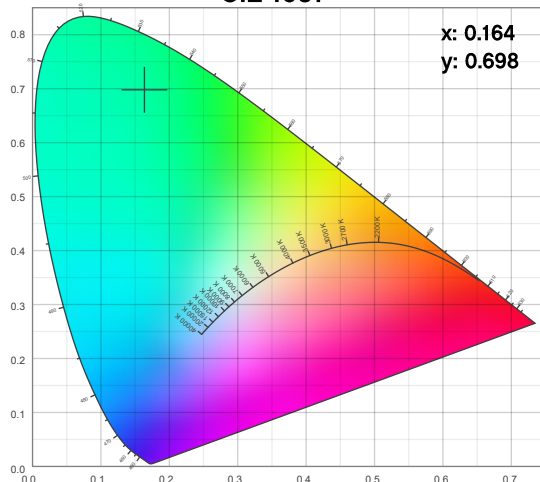
Angular Beam Distribution



Spectral Distribution



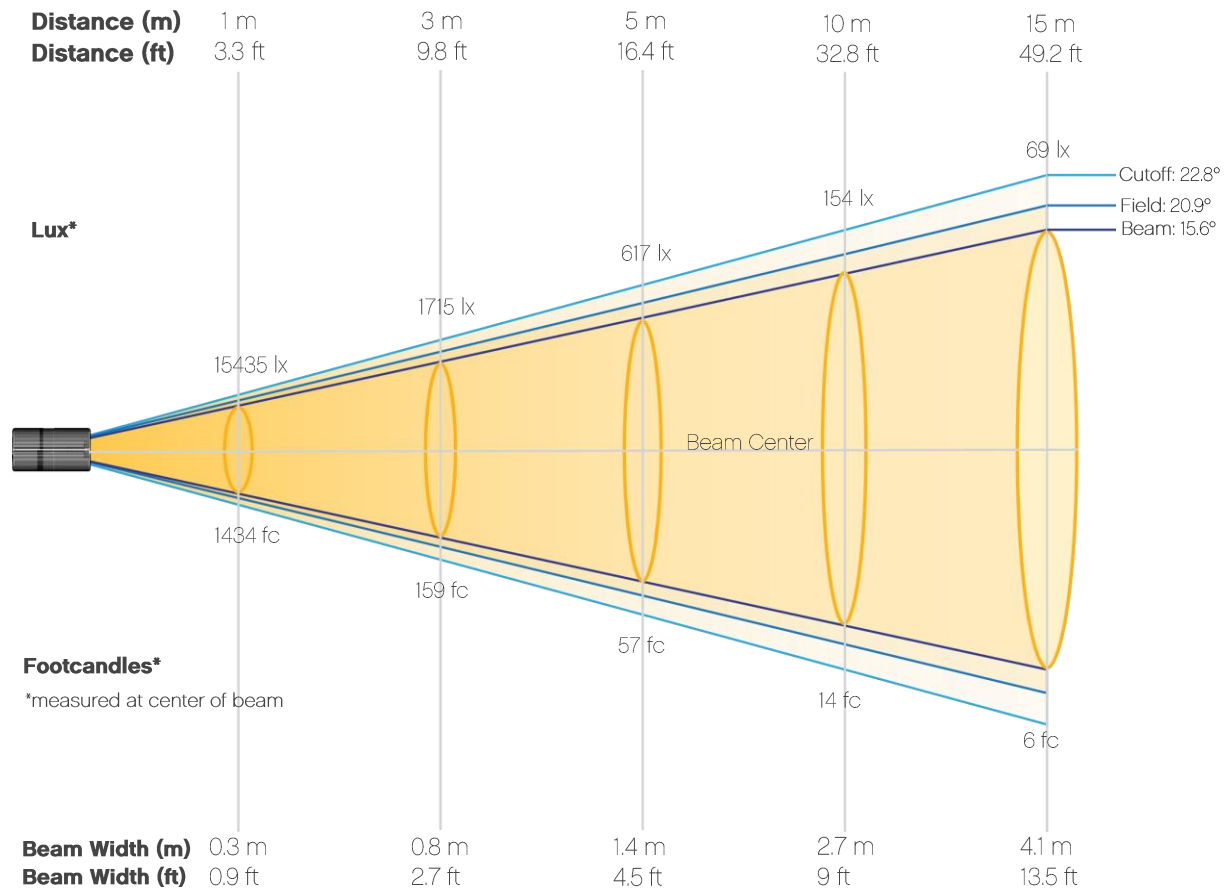
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Green Only-w/Ring Off

Beam Details



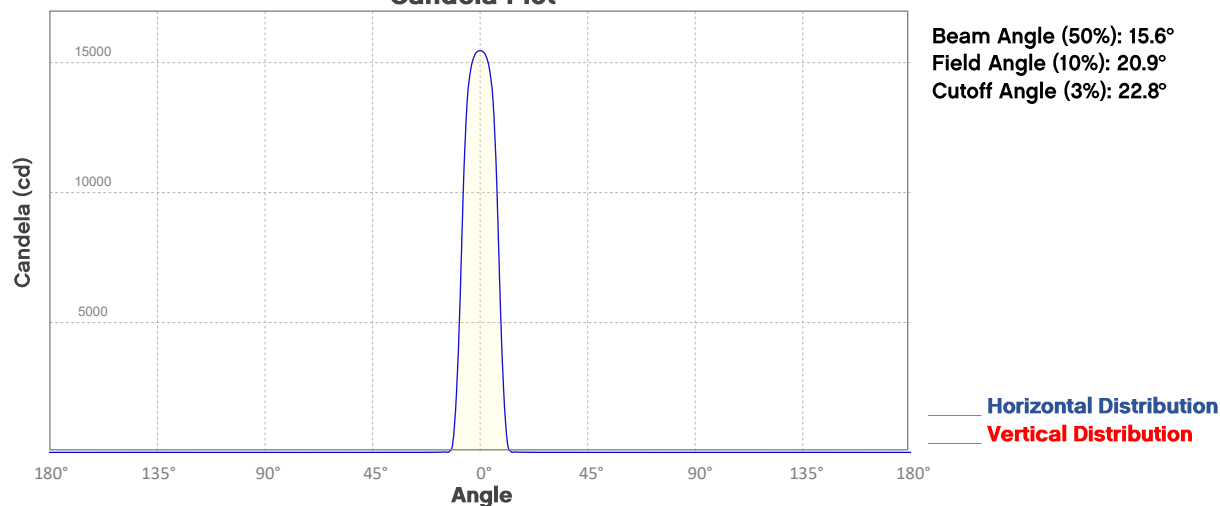
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15435	3859	1715	965	617	429	315	241	191	154
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	128	107	91	79	69	60	53	48	43	39
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1434	358	159	90	57	40	29	22	18	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	8	7	6	6	5	4	4	4

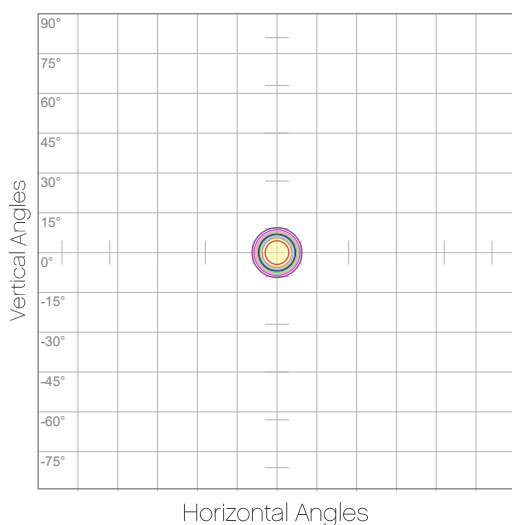
Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Green Only-w/Ring Off

Candela Plot



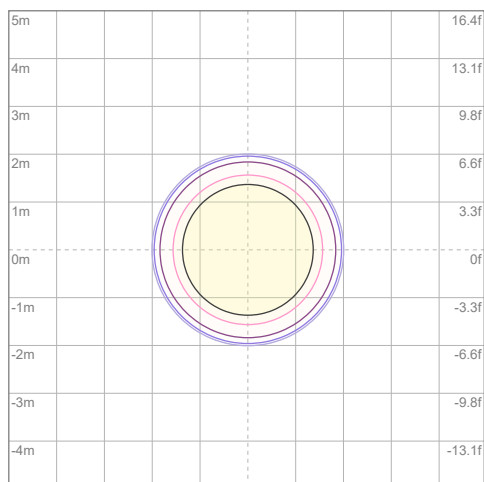
Polar Diagrams



iso-candela Diagram

10%	1544 cd
20%	3087 cd
30%	4631 cd
40%	6174 cd
50%	7718 cd
60%	9261 cd
70%	10805 cd
80%	12348 cd
90%	13892 cd

Conditions:
Number of c-planes: 2
Candela at center: 15435 cd



iso-illuminance Diagram

3%	4.63 lx
5%	7.72 lx
10%	15.4 lx
30%	46.3 lx
50%	77.2 lx

Conditions:
Number of c-planes: 2
Lux at center: 154 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 Outcast 1 BW: 50% Zoom, Blue Only-w/Ring Off

Report Summary

Output

Total Lumens: 296 lm

Peak Intensity: 4416 cd

Illuminance @ 5m: 177 lux

Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 15.2°

Vertical Beam Angle (50%): 15.2°

Horizontal Field Angle (10%): 20.4°

Vertical Field Angle (10%): 20.4°

Horizontal Cutoff Angle (3%): 23°

Vertical Cutoff Angle (3%): 23°

Conditions

AC Supply: 119 V, 60 Hz

Power: 113.16 W

Current: 0.950 A

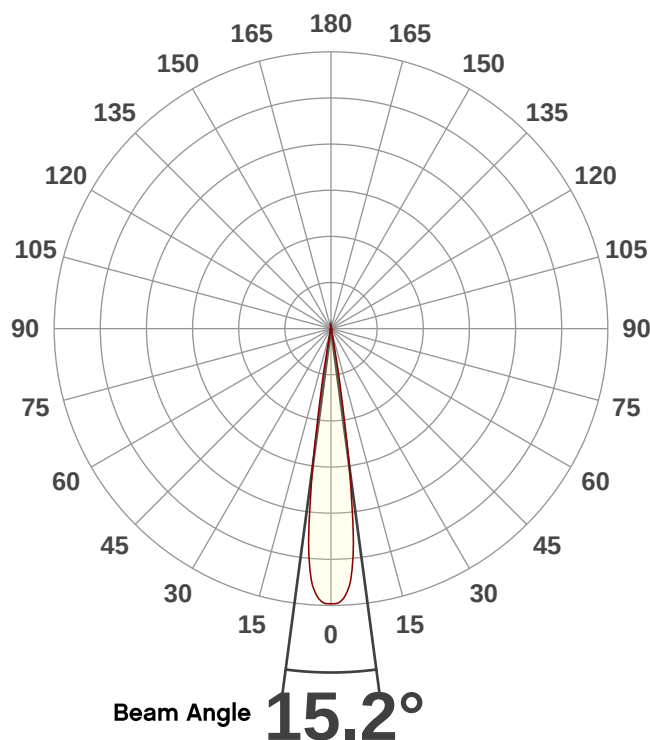
Power Factor: 0.98



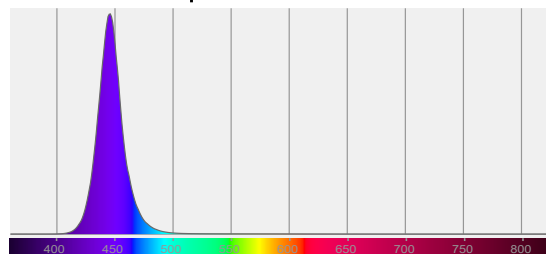
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Overall Measurement

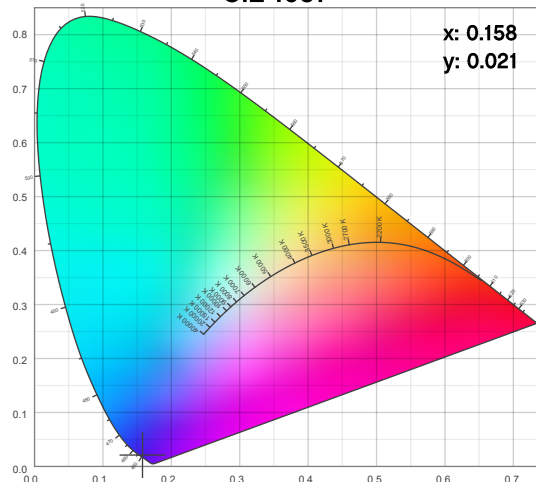
Angular Beam Distribution



Spectral Distribution



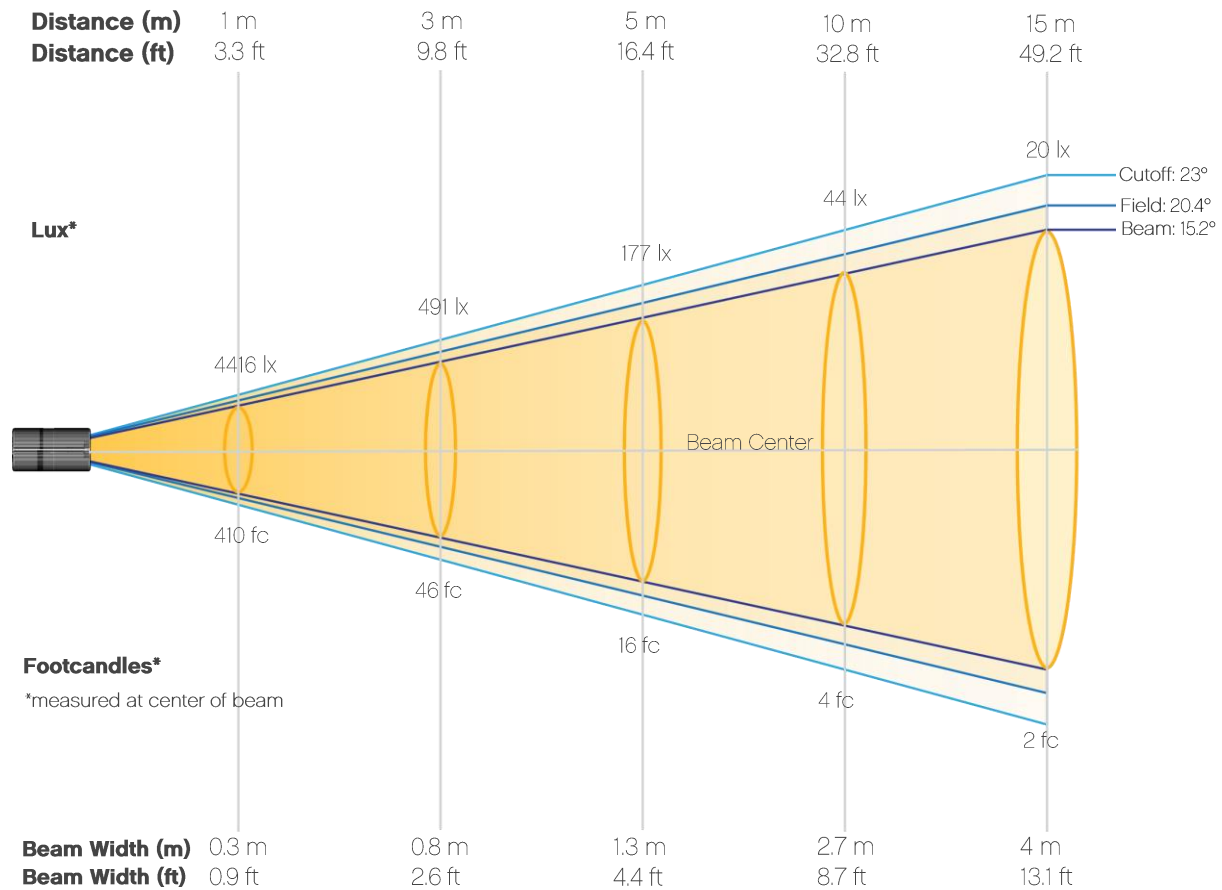
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Blue Only-w/Ring Off

Beam Details

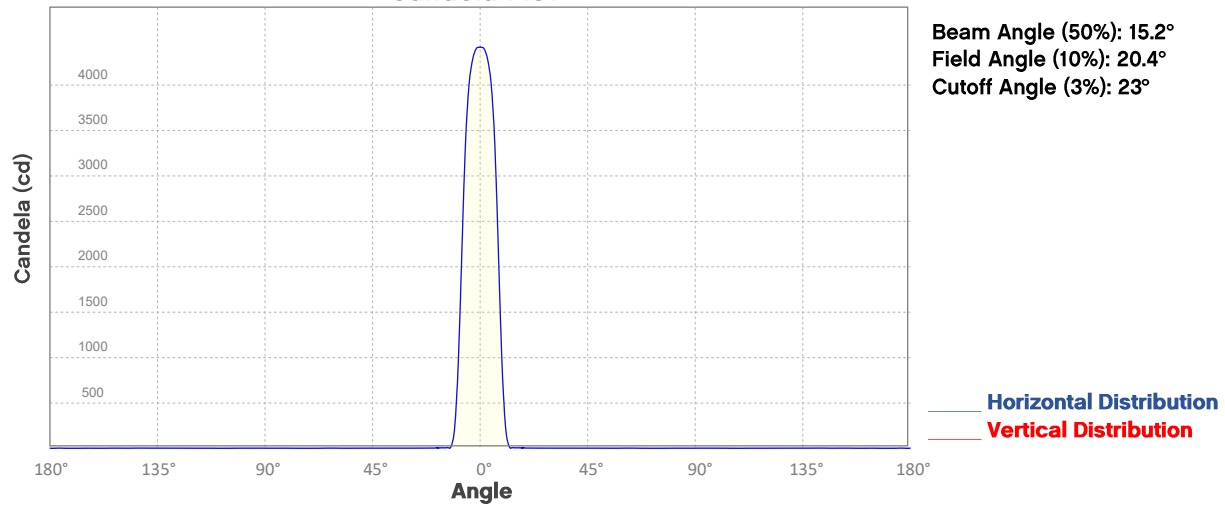


Beam Illuminances from 1-20m (3.3-65.6ft)

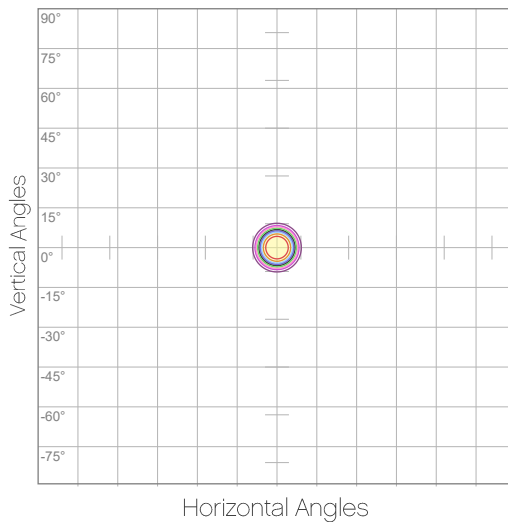
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4416	1104	491	276	177	123	90	69	55	44
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	36	31	26	23	20	17	15	14	12	11
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	410	103	46	26	16	11	8	6	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	3	2	2	2	2	1	1	1	1

Photometric Report

Rogue Outcast 1 BW: 50% Zoom, Blue Only-w/Ring Off
Candela Plot



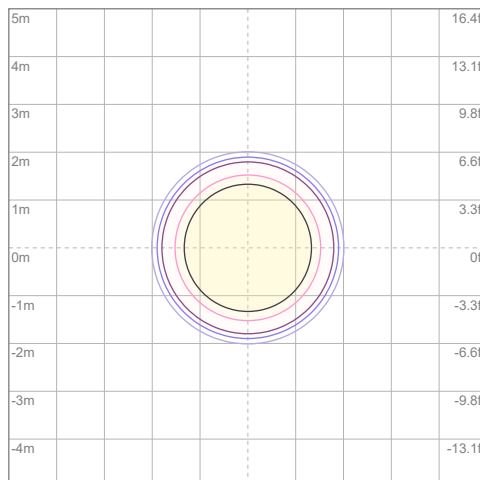
Polar Diagrams



iso-candela Diagram

10%	442 cd
20%	883 cd
30%	1325 cd
40%	1766 cd
50%	2208 cd
60%	2650 cd
70%	3091 cd
80%	3533 cd
90%	3975 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 4416 cd



iso-illuminance Diagram

3%	1.32 lx
5%	2.21 lx
10%	4.42 lx
30%	13.2 lx
50%	22.1 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 44.2 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 Outcast 1 BW: 50% Zoom, White Only-w/Ring Off

Report Summary

Output

Total Lumens: 1471 lm

Peak Intensity: 21562 cd

Illuminance @ 5m: 862 lux

Fixture Efficacy: 13 lm/W

Optical

Horizontal Beam Angle (50%): 16°

Vertical Beam Angle (50%): 16°

Horizontal Field Angle (10%): 21.3°

Vertical Field Angle (10%): 21.3°

Horizontal Cutoff Angle (3%): 23.4°

Vertical Cutoff Angle (3%): 23.4°

Conditions

AC Supply: 119 V, 60 Hz

Power: 113.27 W

Current: 0.955 A

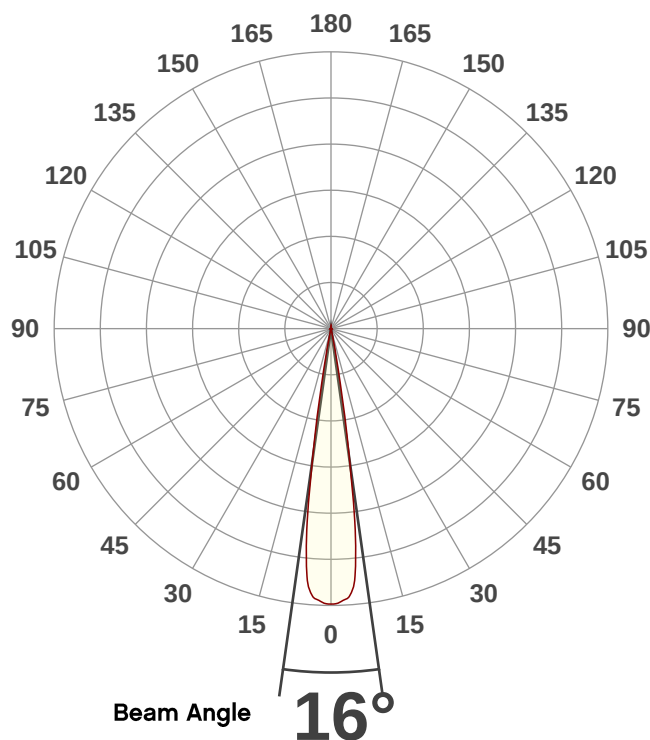
Power Factor: 0.98



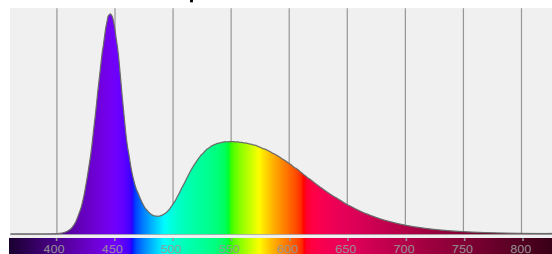
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Overall Measurement

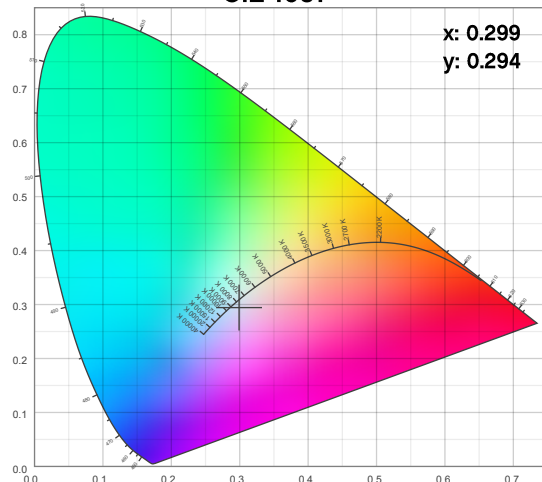
Angular Beam Distribution



Spectral Distribution



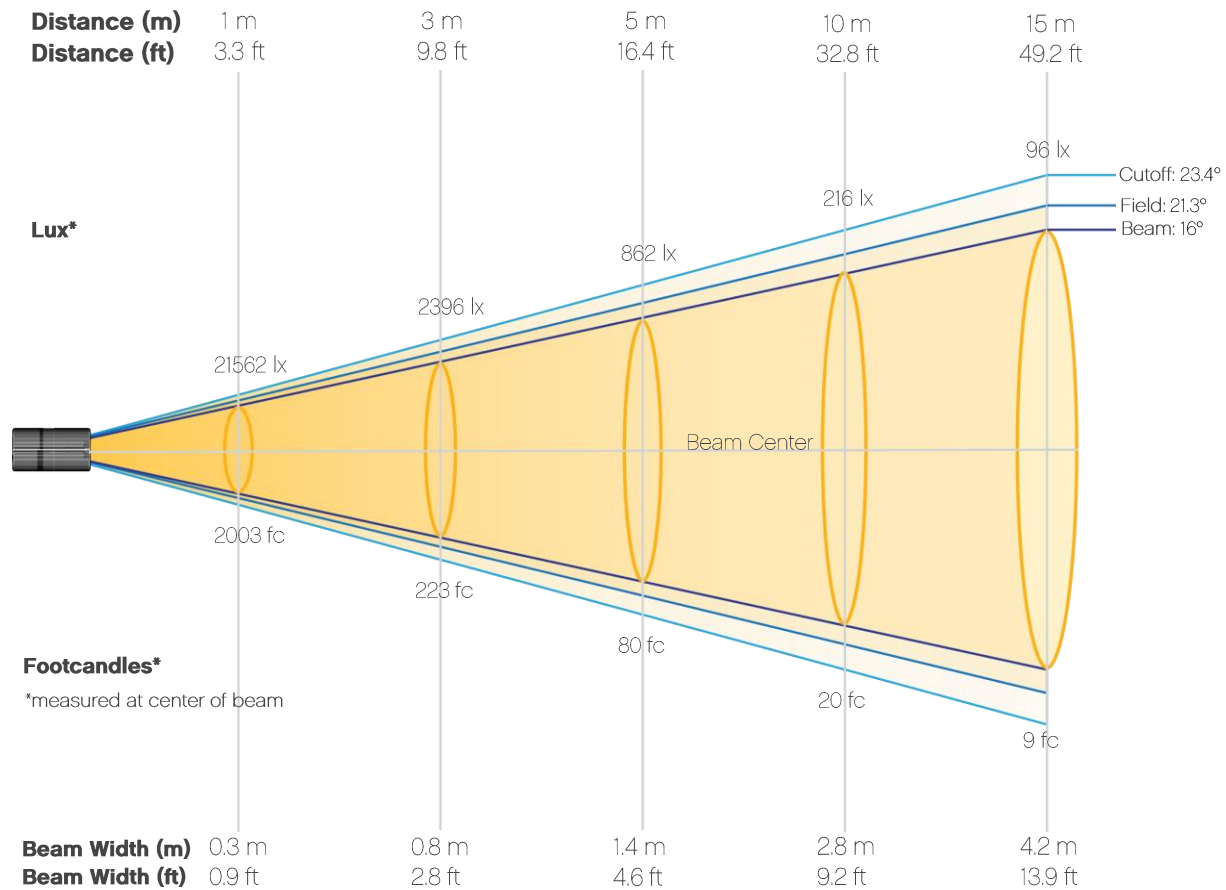
CIE 1931



Photometric Report

Rogue Outcast 1 BW: 50% Zoom, White Only-w/Ring Off

Beam Details



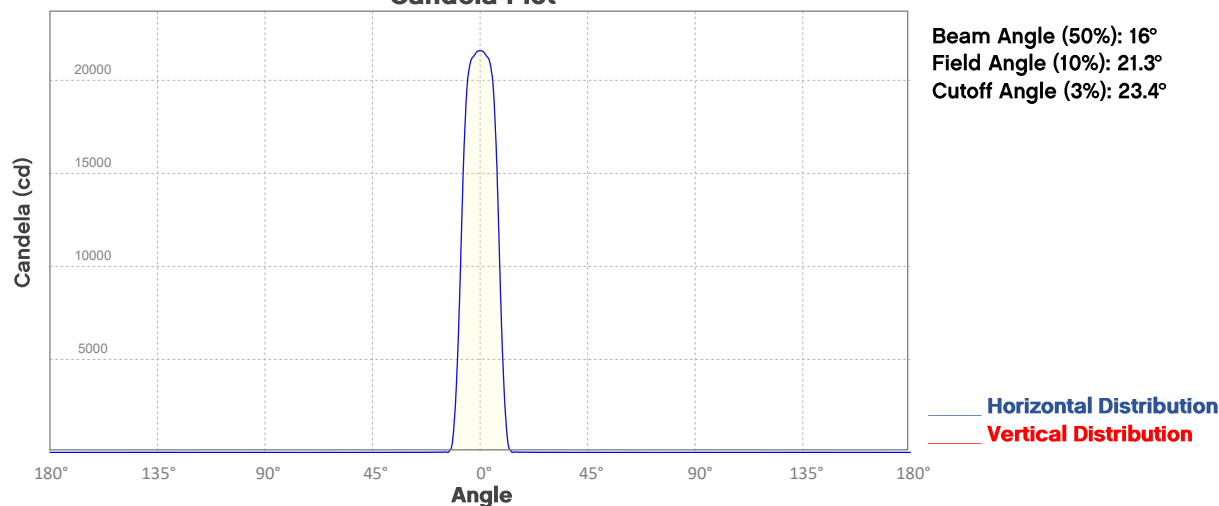
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	21562	5390	2396	1348	862	599	440	337	266	216
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	178	150	128	110	96	84	75	67	60	54
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2003	501	223	125	80	56	41	31	25	20
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	17	14	12	10	9	8	7	6	6	5

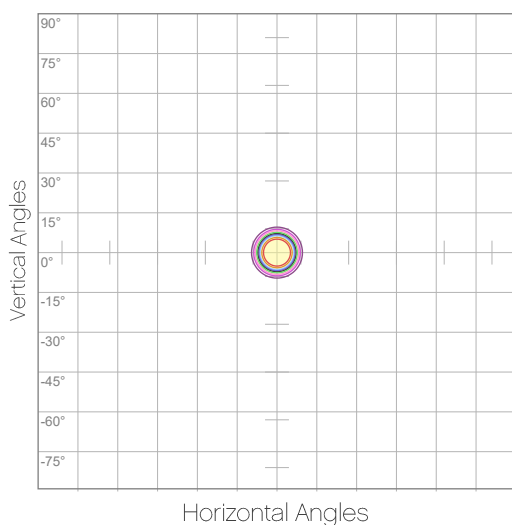
Photometric Report

Rogue Outcast 1 BW: 50% Zoom, White Only-w/Ring Off

Candela Plot



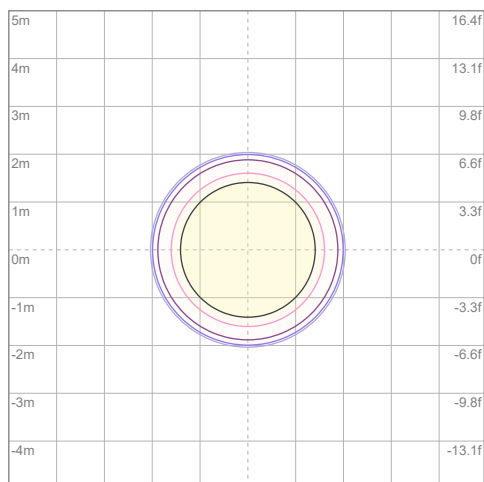
Polar Diagrams



iso-candela Diagram

10%	2156 cd
20%	4312 cd
30%	6469 cd
40%	8625 cd
50%	10781 cd
60%	12937 cd
70%	15093 cd
80%	17249 cd
90%	19406 cd

Conditions:
Number of c-planes: 2
Candela at center: 21562 cd



iso-illuminance Diagram

3%	6.47 lx
5%	10.8 lx
10%	21.6 lx
30%	64.7 lx
50%	108 lx

Conditions:
Number of c-planes: 2
Lux at center: 216 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 Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 1919 lm
Peak Intensity: 382712 cd
Illuminance @ 5m: 15308 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.9°
Vertical Field Angle (10%): 5.9°
Horizontal Cutoff Angle (3%): 6.7°
Vertical Cutoff Angle (3%): 6.7°

Conditions

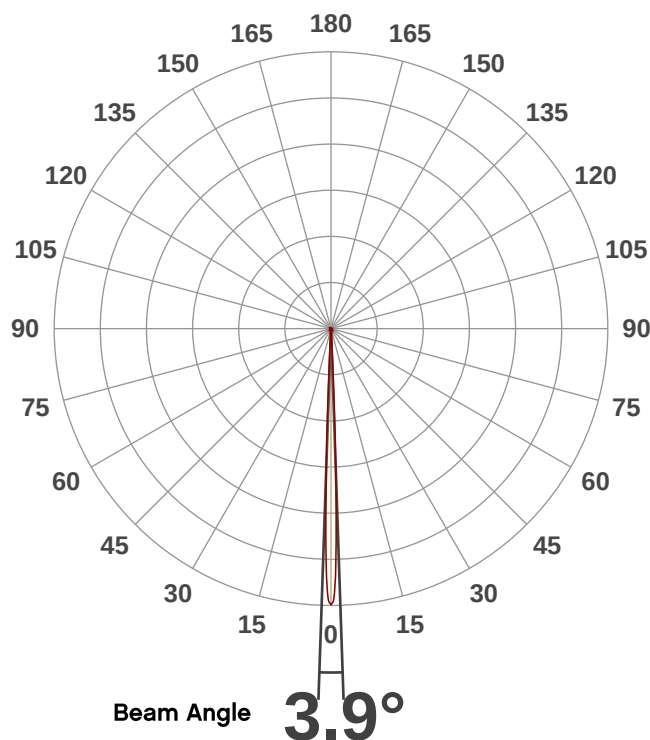
AC Supply: 117 V, 60 Hz
Power: 348.77 W
Current: 2.97 A
Power Factor: 0.99



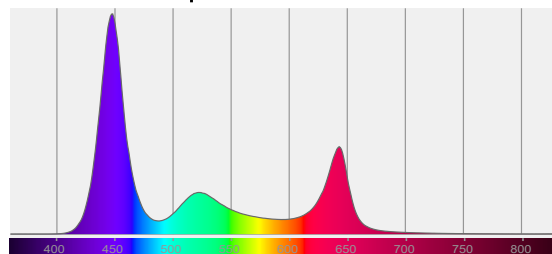
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Overall Measurement

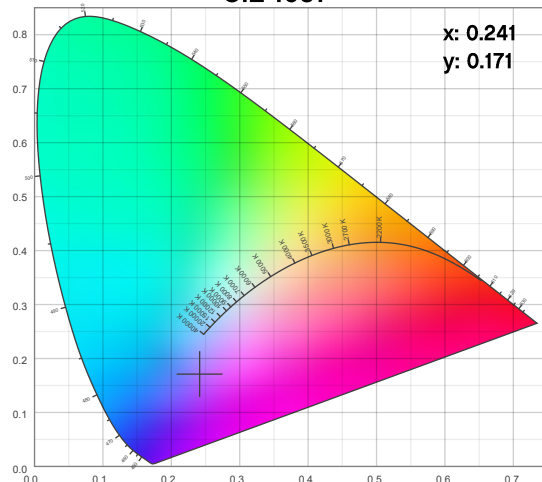
Angular Beam Distribution



Spectral Distribution



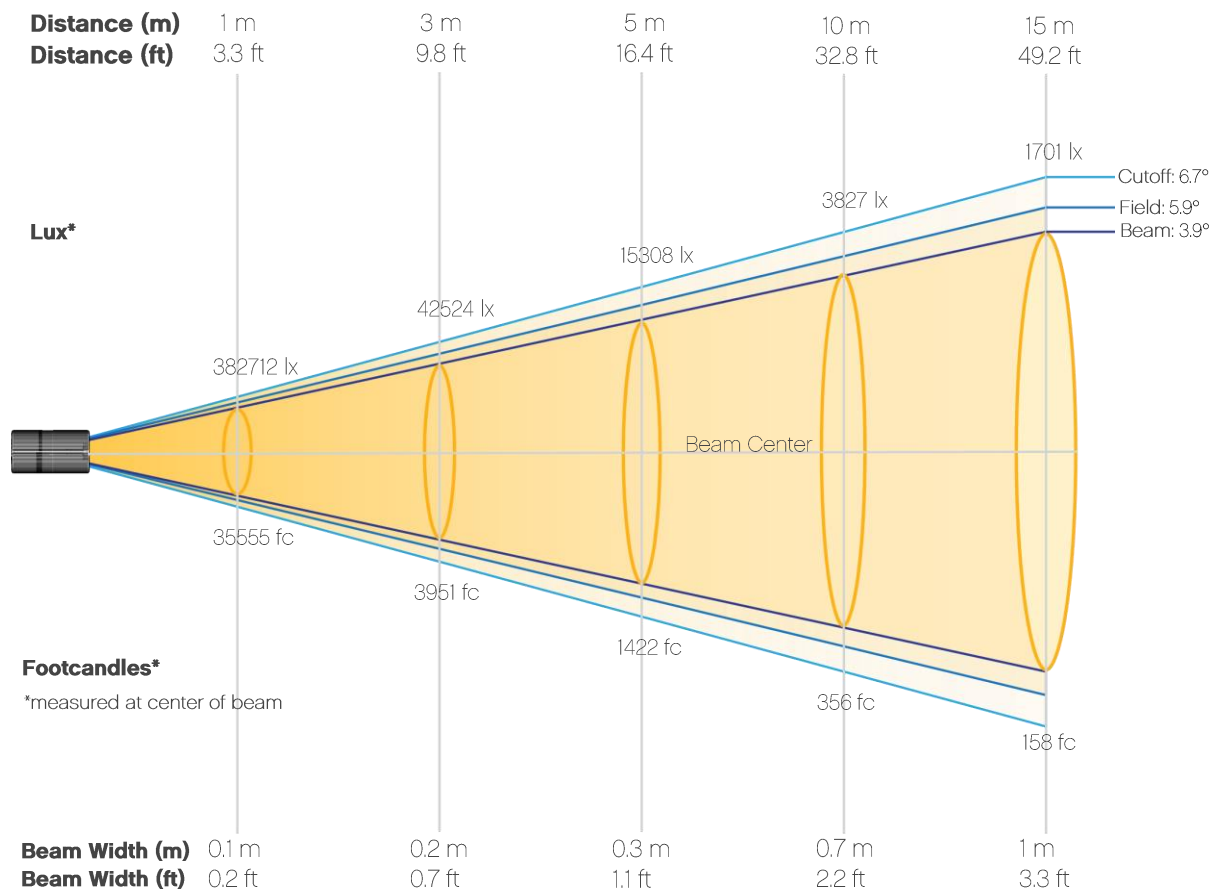
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Beam Details



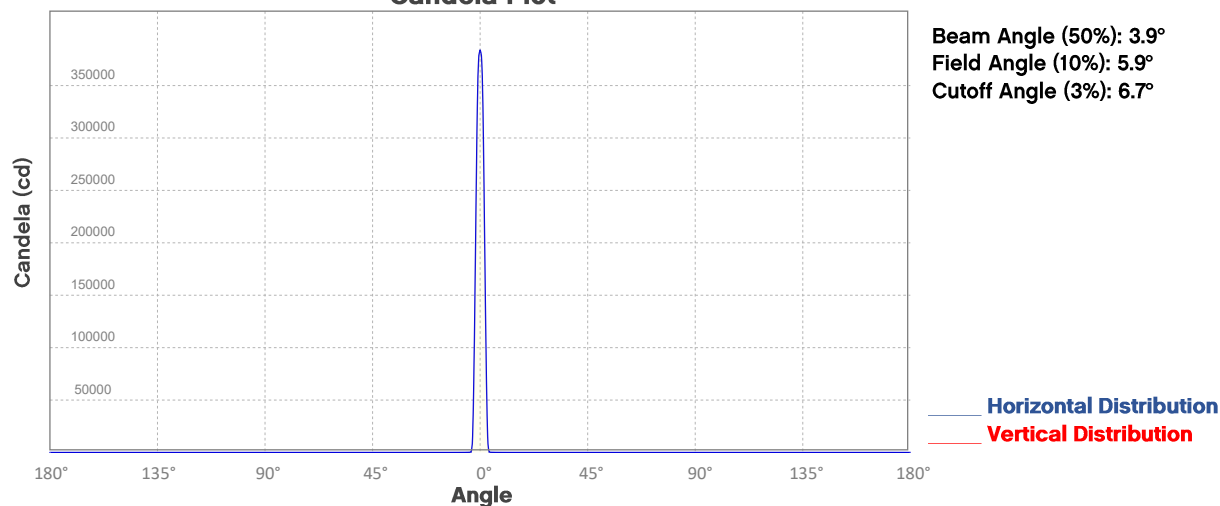
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	382712	95678	42524	23920	15308	10631	7810	5980	4725	3827
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3163	2658	2265	1953	1701	1495	1324	1181	1060	957
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	35555	8889	3951	2222	1422	988	726	556	439	356
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	294	247	210	181	158	139	123	110	98	89

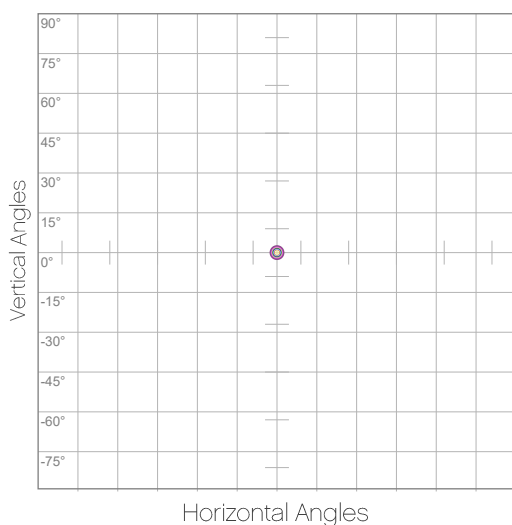
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Candela Plot



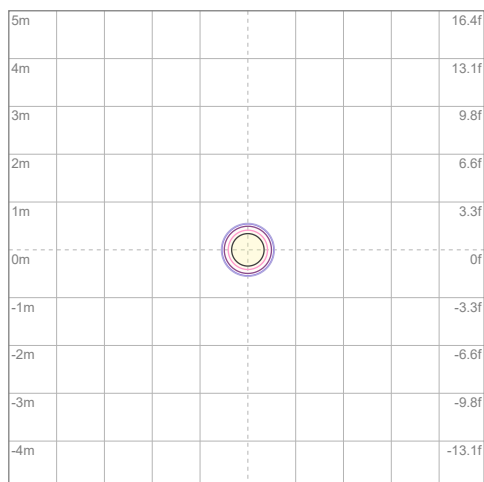
Polar Diagrams



iso-candela Diagram

10%	38271 cd
20%	76542 cd
30%	114814 cd
40%	153085 cd
50%	191356 cd
60%	229627 cd
70%	267899 cd
80%	306170 cd
90%	344441 cd

Conditions:
Number of c-planes: 2
Candela at center: 382712 cd



iso-illuminance Diagram

3%	115 lx
5%	191 lx
10%	383 lx
30%	1148 lx
50%	1914 lx

Conditions:
Number of c-planes: 2
Lux at center: 3827 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 Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 1919 lm
Peak Intensity: 382712 cd
Illuminance @ 5m: 15308 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.9°
Vertical Field Angle (10%): 5.9°
Horizontal Cutoff Angle (3%): 6.7°
Vertical Cutoff Angle (3%): 6.7°

Conditions

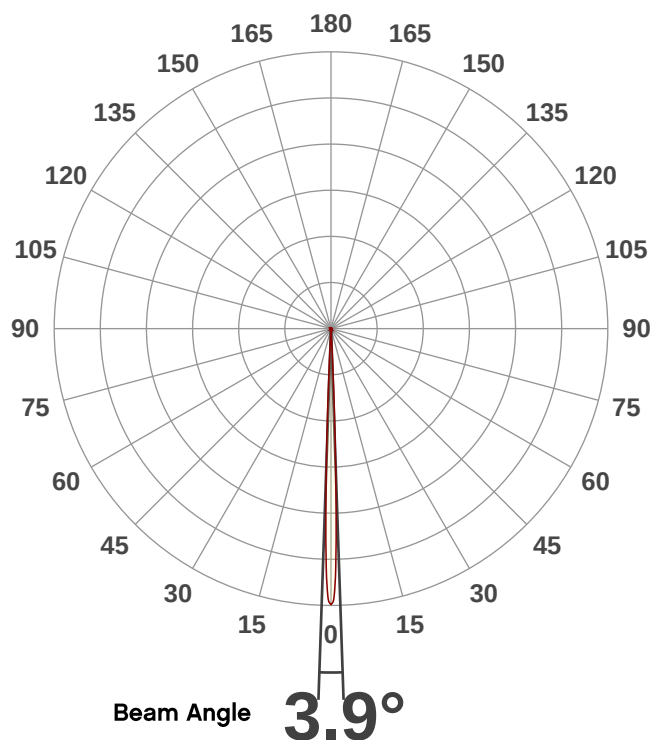
AC Supply: 117 V, 60 Hz
Power: 348.77 W
Current: 2.97 A
Power Factor: 0.99



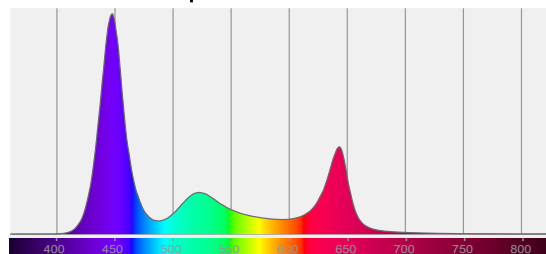
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/7/2021 to LM-63-2002 Standards.

Overall Measurement

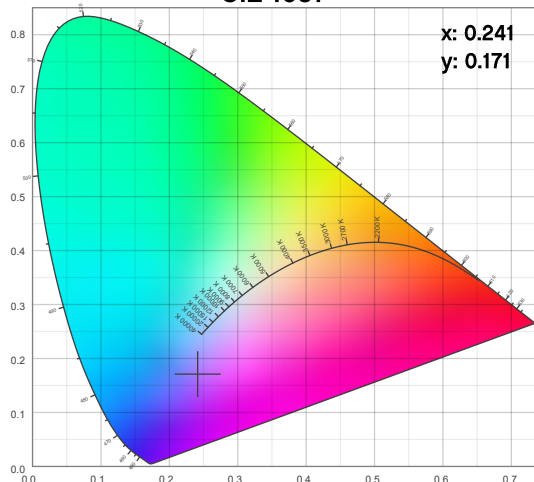
Angular Beam Distribution



Spectral Distribution



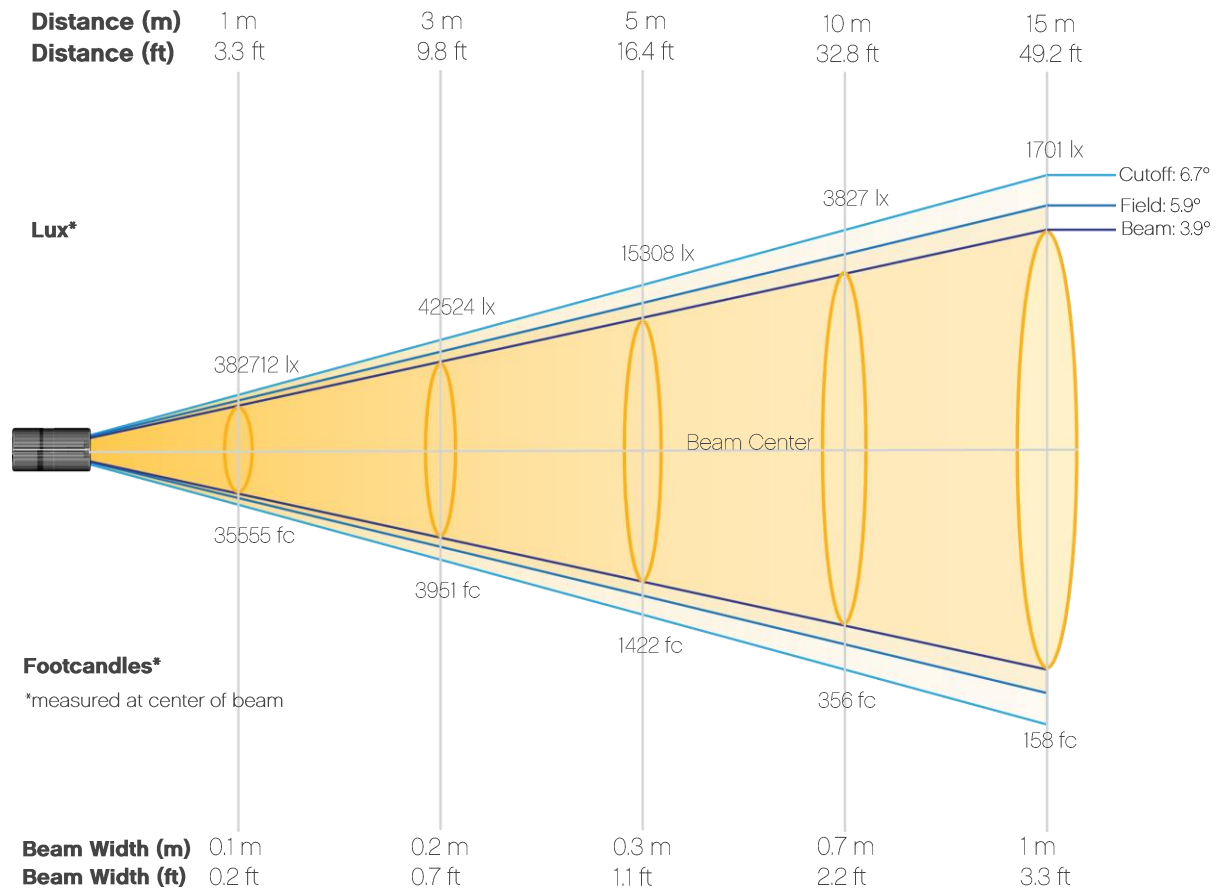
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Beam Details



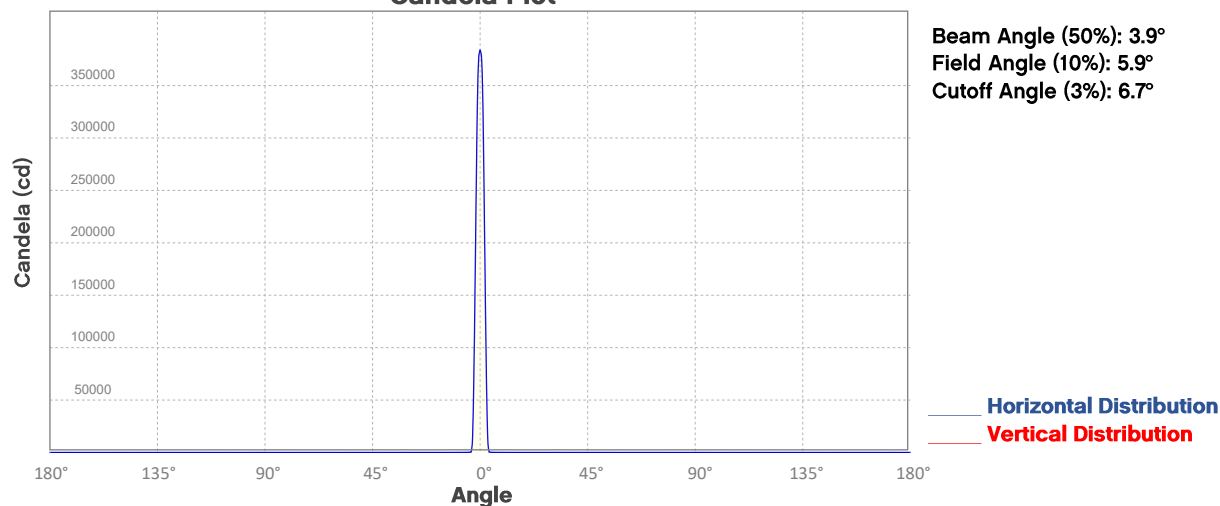
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	382712	95678	42524	23920	15308	10631	7810	5980	4725	3827
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3163	2658	2265	1953	1701	1495	1324	1181	1060	957
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	35555	8889	3951	2222	1422	988	726	556	439	356
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	294	247	210	181	158	139	123	110	98	89

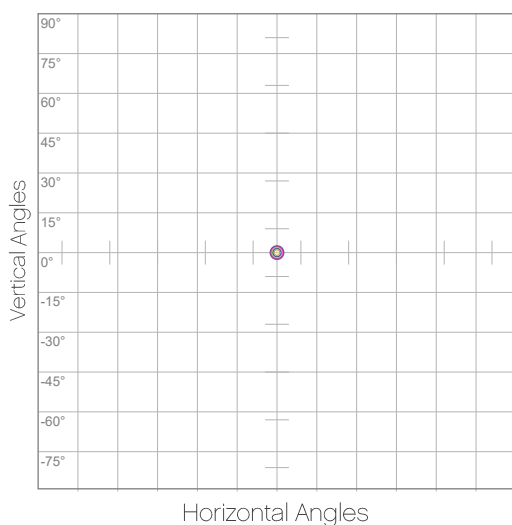
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Candela Plot



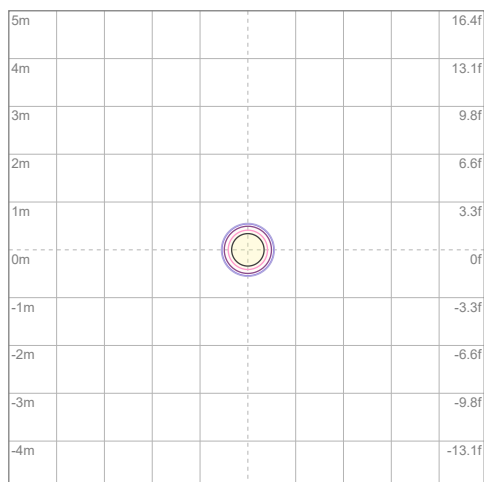
Polar Diagrams



iso-candela Diagram

10%	38271 cd
20%	76542 cd
30%	114814 cd
40%	153085 cd
50%	191356 cd
60%	229627 cd
70%	267899 cd
80%	306170 cd
90%	344441 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 382712 cd



iso-illuminance Diagram

3%	115 lx
5%	191 lx
10%	383 lx
30%	1148 lx
50%	1914 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 3827 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 Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 1553 lm
Peak Intensity: 323615 cd
Illuminance @ 5m: 12945 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 6.3°
Vertical Field Angle (10%): 6.3°
Horizontal Cutoff Angle (3%): 7.6°
Vertical Cutoff Angle (3%): 7.6°

Conditions

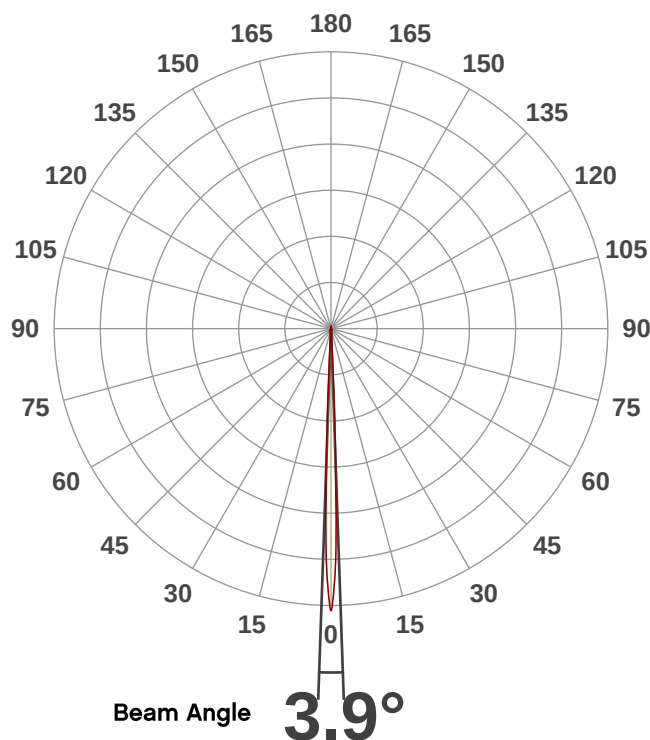
AC Supply: 120 V, 60 Hz
Power: 252.59 W
Current: 2.10 A
Power Factor: 0.99



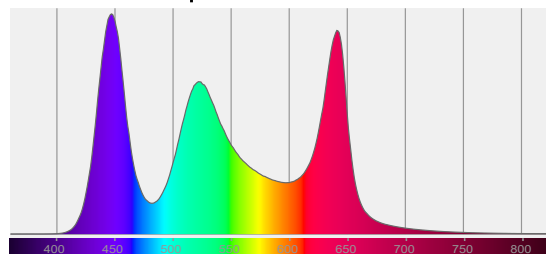
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Overall Measurement

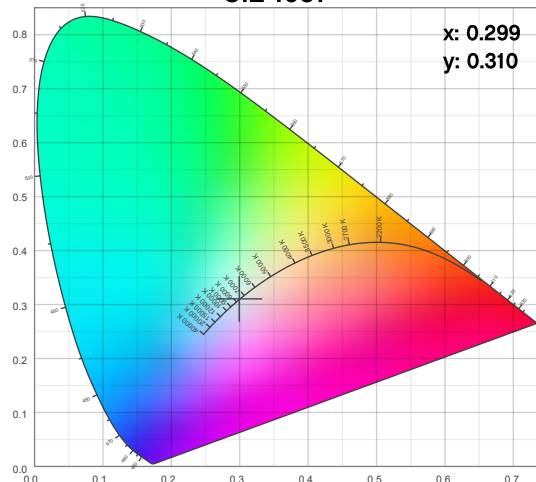
Angular Beam Distribution



Spectral Distribution



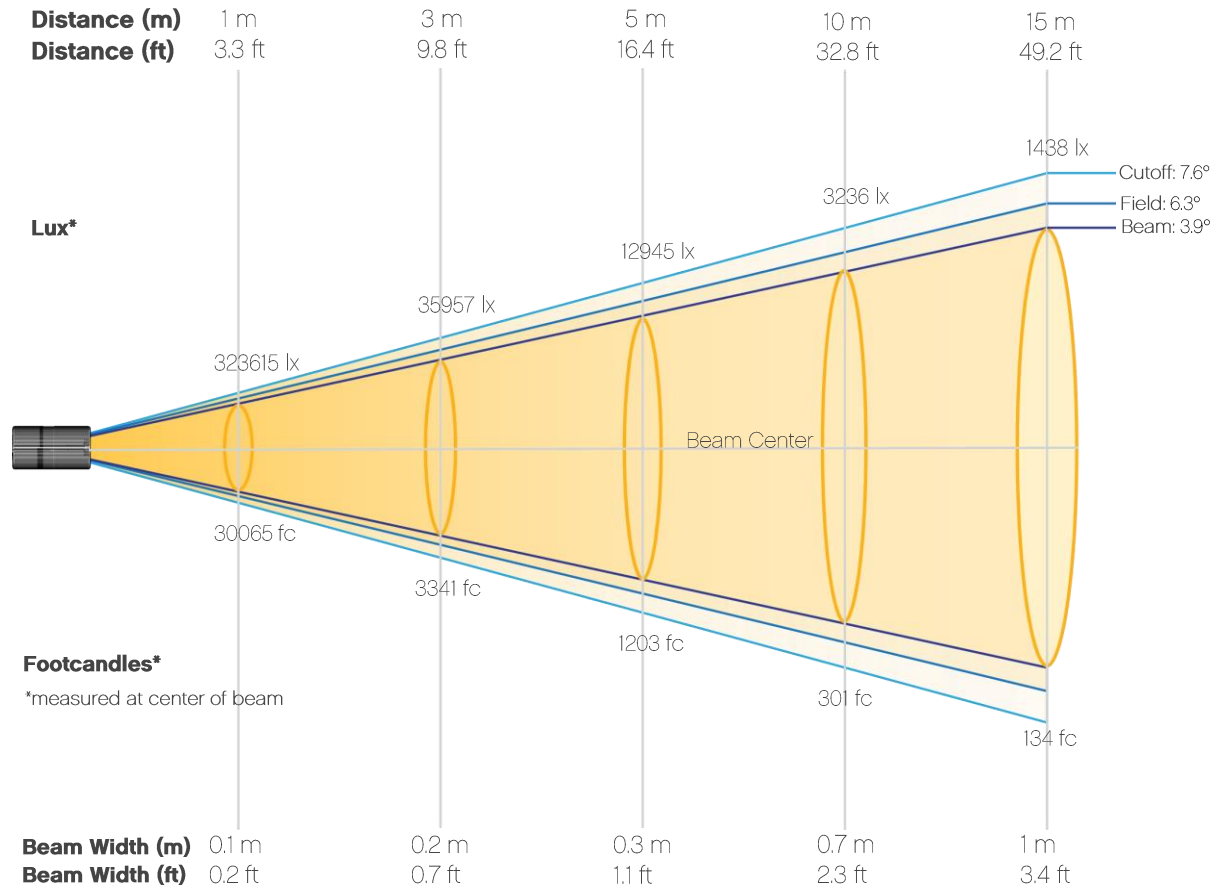
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Beam Details



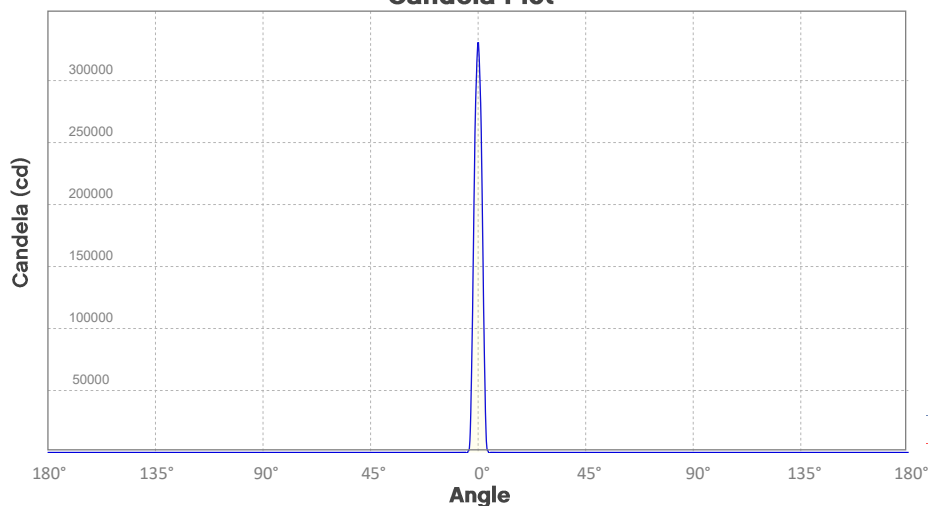
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	323615	80904	35957	20226	12945	8989	6604	5056	3995	3236
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2675	2247	1915	1651	1438	1264	1120	999	896	809
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30065	7516	3341	1879	1203	835	614	470	371	301
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	248	209	178	153	134	117	104	93	83	75

Photometric Report

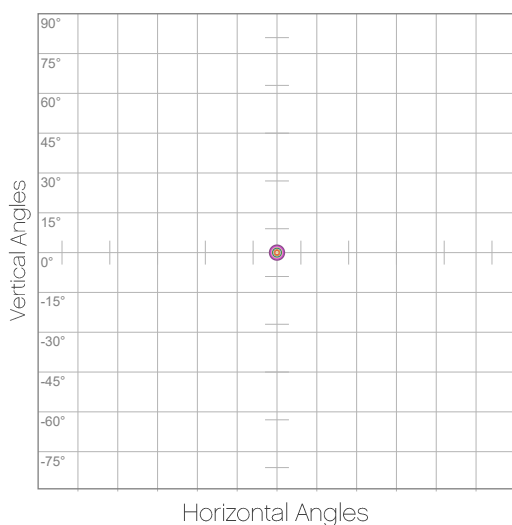
Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Candela Plot



Beam Angle (50%): 3.9°
Field Angle (10%): 6.3°
Cutoff Angle (3%): 7.6°

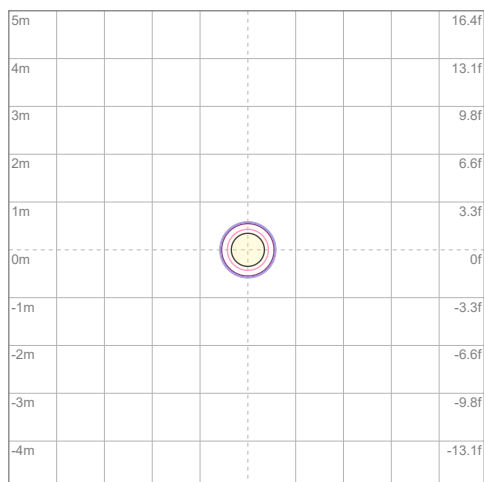
Polar Diagrams



iso-candela Diagram

10%	32362 cd
20%	64723 cd
30%	97085 cd
40%	129446 cd
50%	161808 cd
60%	194169 cd
70%	226531 cd
80%	258892 cd
90%	291254 cd

Conditions:
Number of c-planes: 2
Candela at center: 323615 cd



iso-illuminance Diagram

3%	97.1 lx
5%	162 lx
10%	324 lx
30%	971 lx
50%	1618 lx

Conditions:
Number of c-planes: 2
Lux at center: 3236 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 Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 1508 lm
Peak Intensity: 332063 cd
Illuminance @ 5m: 13283 lux
Fixture Efficacy: 6 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.9°
Vertical Field Angle (10%): 5.9°
Horizontal Cutoff Angle (3%): 6.8°
Vertical Cutoff Angle (3%): 6.8°

Conditions

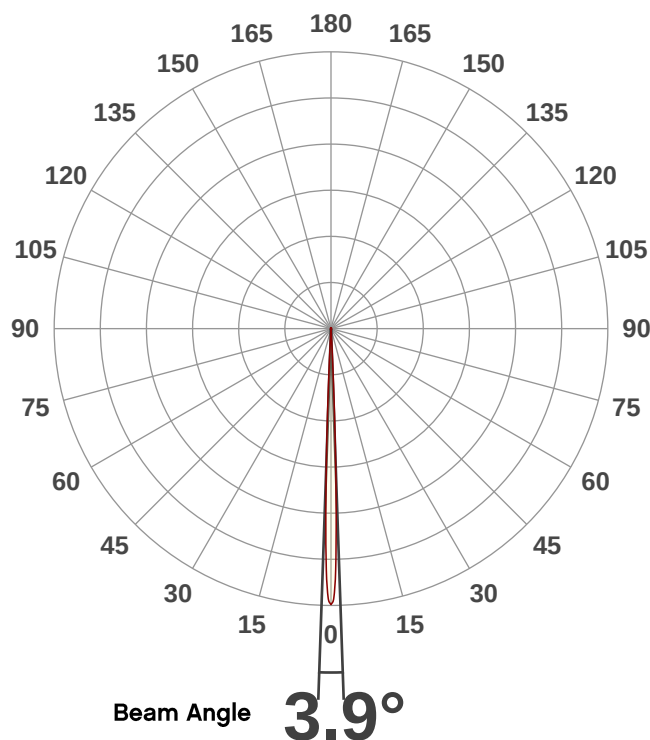
AC Supply: 121 V, 60 Hz
Power: 253.27 W
Current: 2.10 A
Power Factor: 0.99



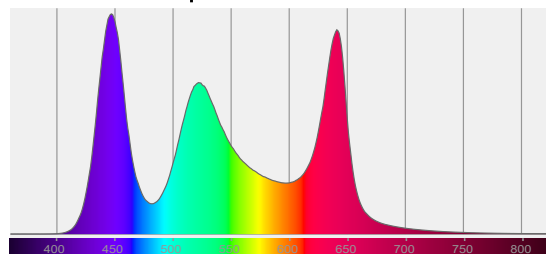
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Overall Measurement

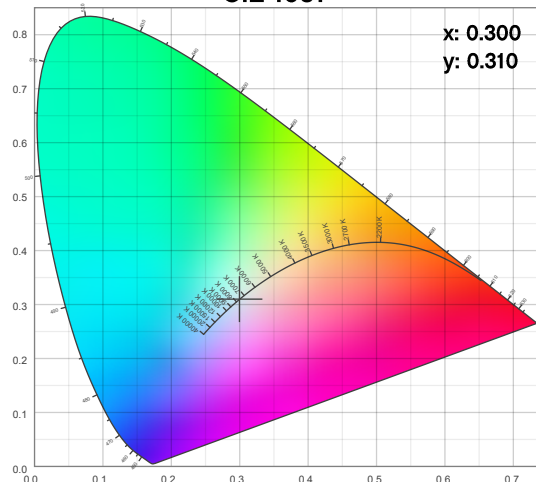
Angular Beam Distribution



Spectral Distribution



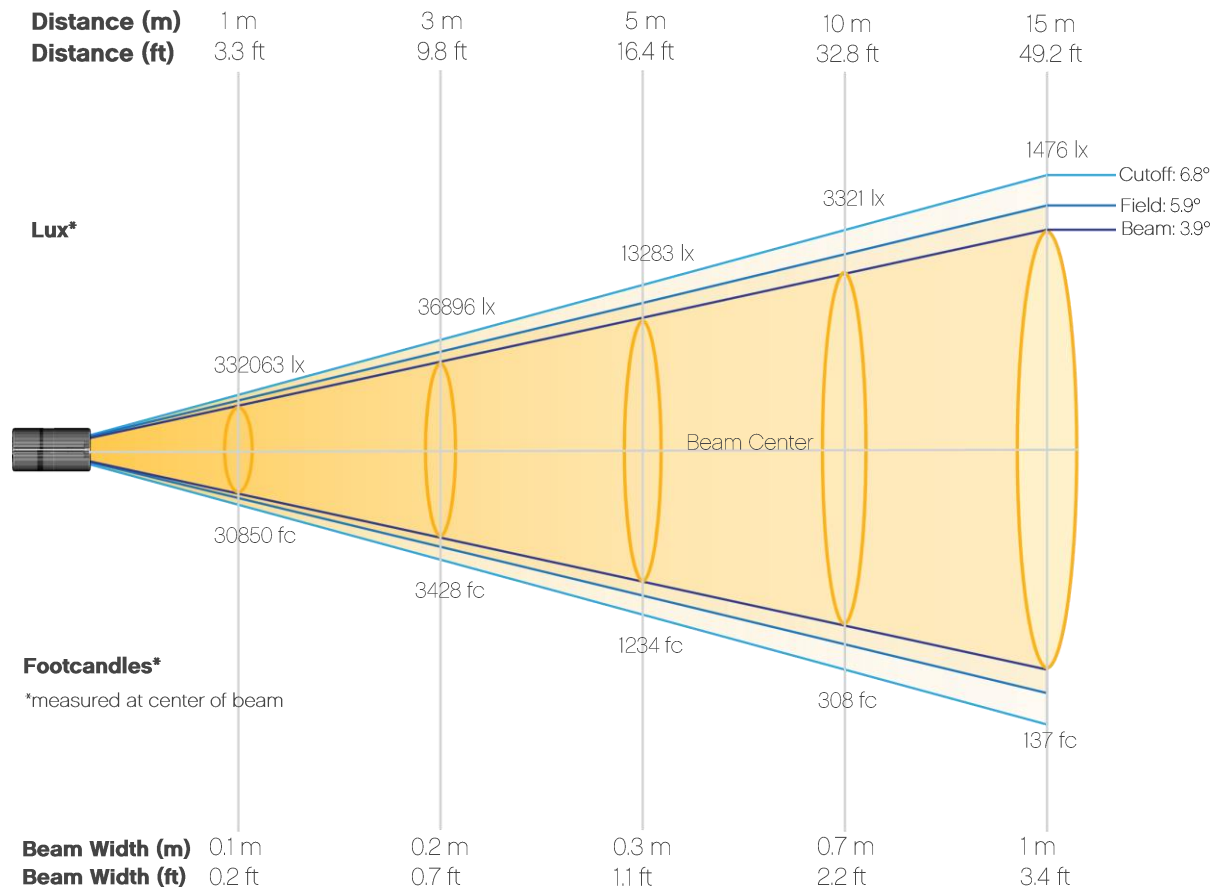
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Beam Details



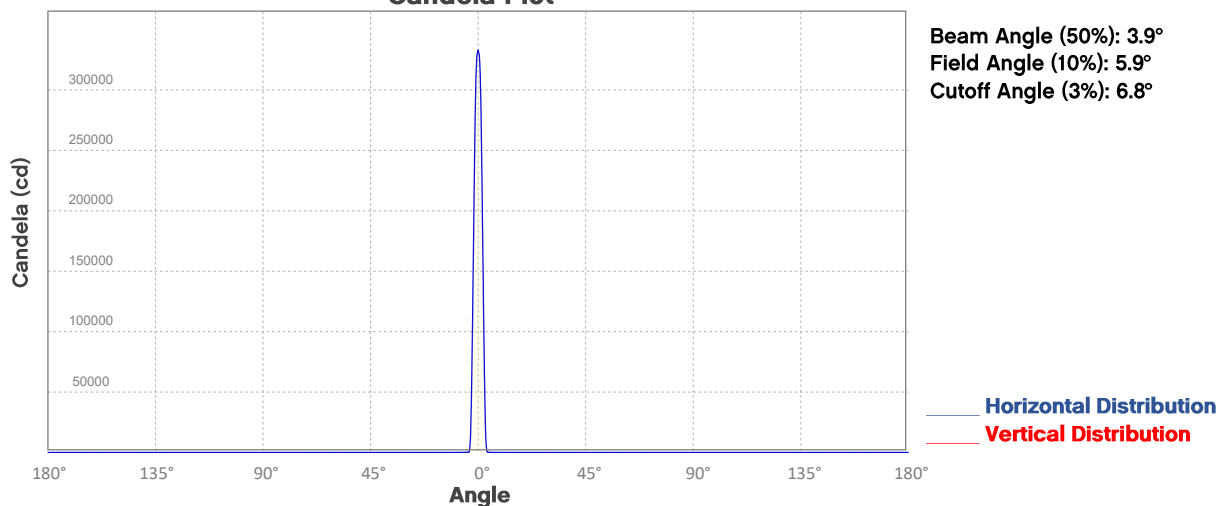
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	332063	83016	36896	20754	13283	9224	6777	5188	4100	3321
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2744	2306	1965	1694	1476	1297	1149	1025	920	830
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30850	7712	3428	1928	1234	857	630	482	381	308
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	255	214	183	157	137	121	107	95	85	77

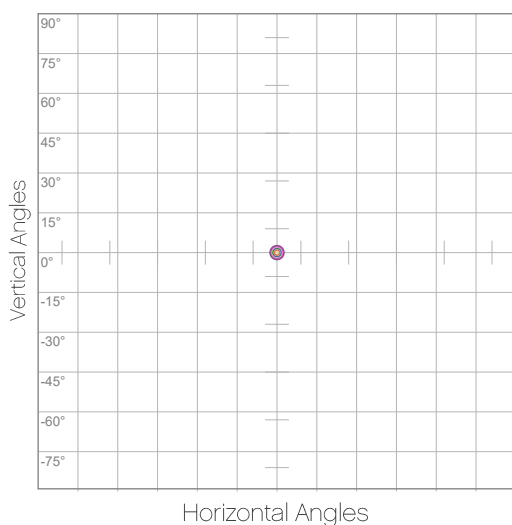
Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Candela Plot



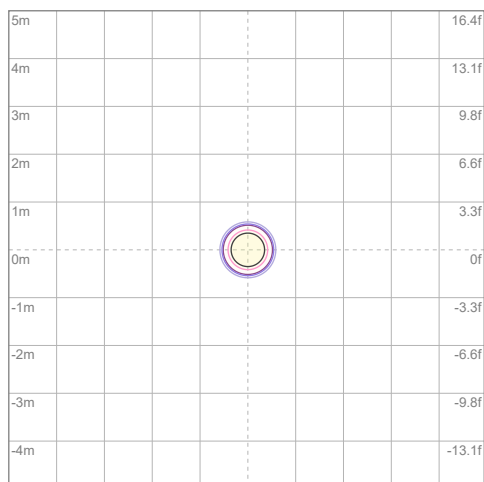
Polar Diagrams



iso-candela Diagram

10%	33206 cd
20%	66413 cd
30%	99619 cd
40%	132825 cd
50%	166031 cd
60%	199238 cd
70%	232444 cd
80%	265650 cd
90%	298857 cd

Conditions:
Number of c-planes: 2
Candela at center: 332063 cd



iso-illuminance Diagram

3%	99.6 lx
5%	166 lx
10%	332 lx
30%	996 lx
50%	1660 lx

Conditions:
Number of c-planes: 2
Lux at center: 3321 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 Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Report Summary

Output

Total Lumens: 1834 lm
Peak Intensity: 363420 cd
Illuminance @ 5m: 14537 lux
Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 3.9°
Vertical Beam Angle (50%): 3.9°
Horizontal Field Angle (10%): 5.8°
Vertical Field Angle (10%): 5.8°
Horizontal Cutoff Angle (3%): 6.5°
Vertical Cutoff Angle (3%): 6.5°

Conditions

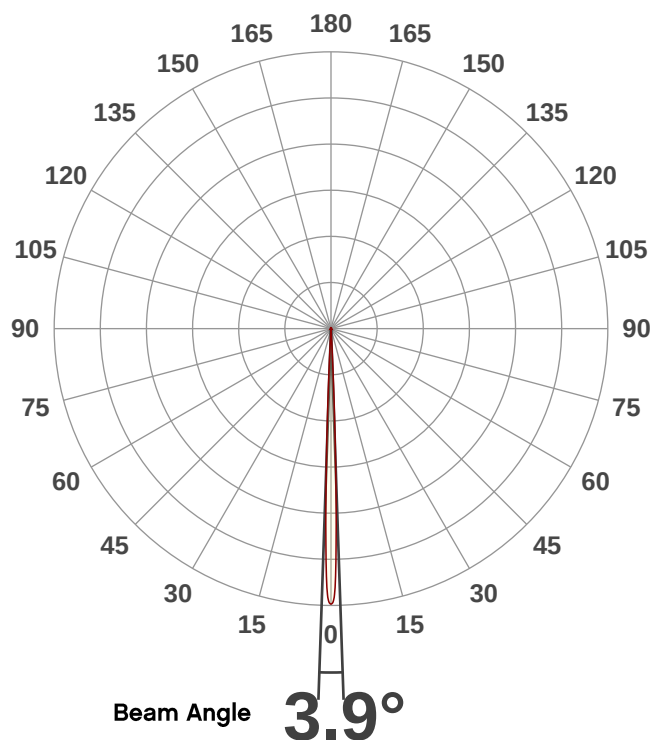
AC Supply: 120 V, 60 Hz
Power: 341.73 W
Current: 2.85 A
Power Factor: 0.99



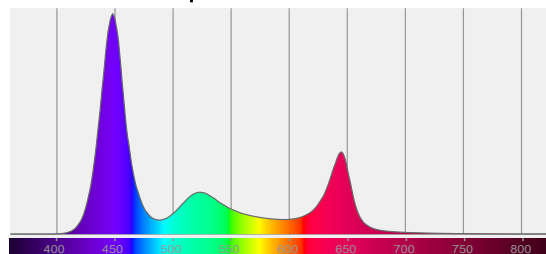
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Overall Measurement

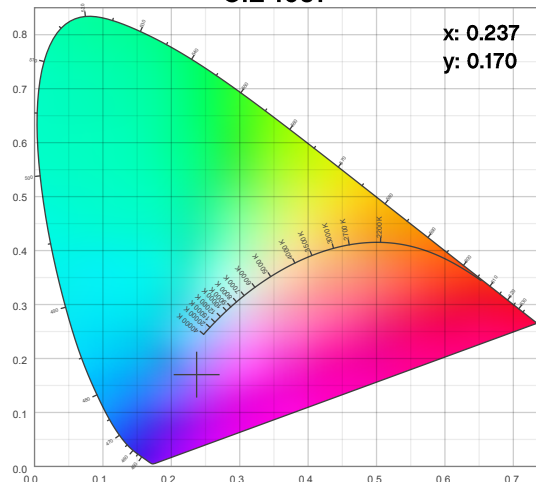
Angular Beam Distribution



Spectral Distribution



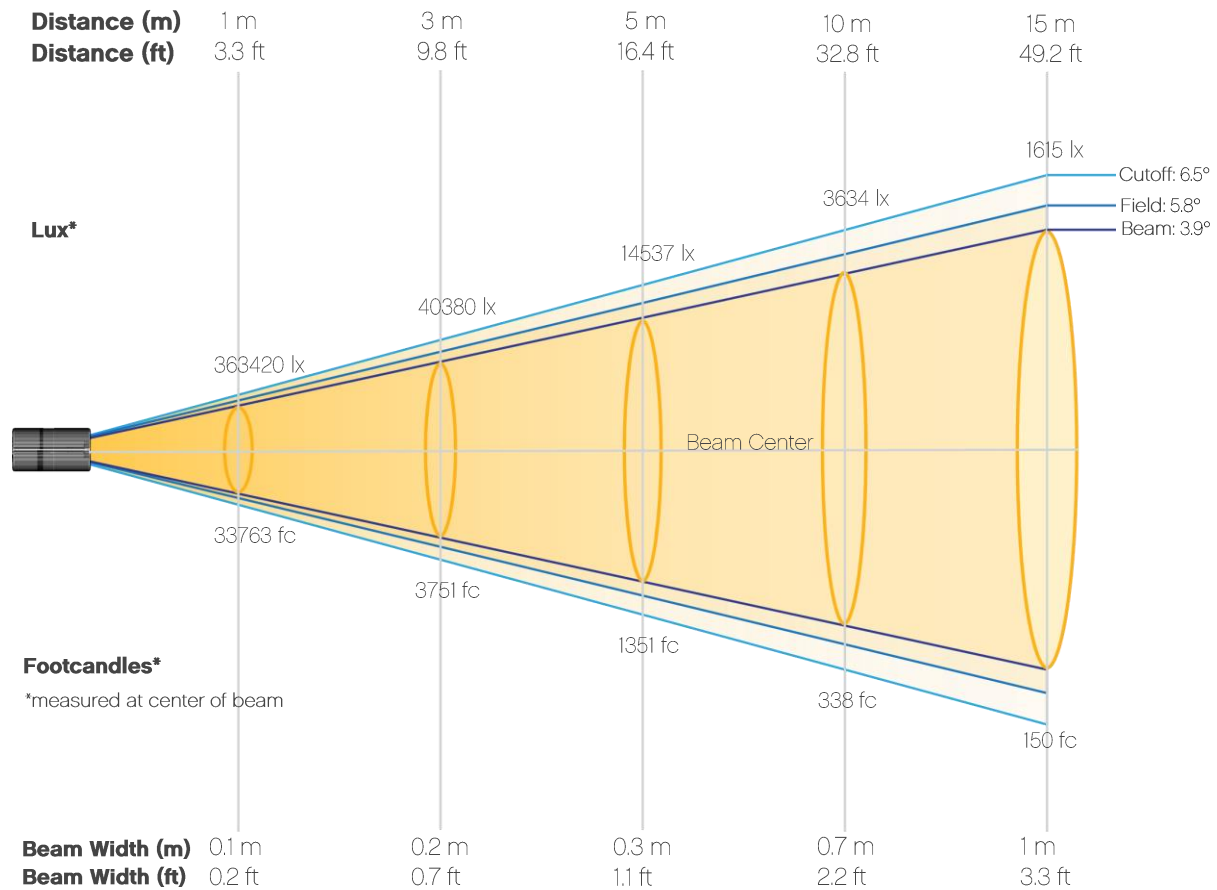
CIE 1931



Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

Beam Details



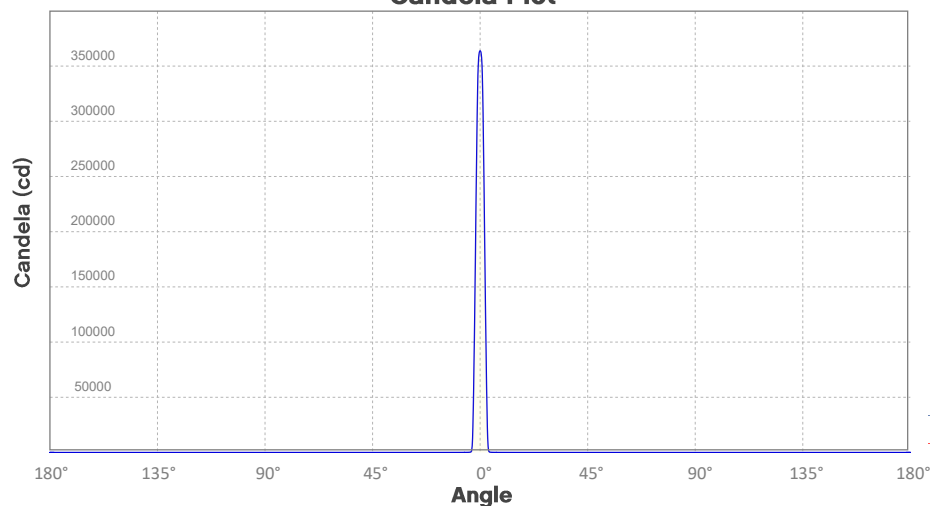
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	363420	90855	40380	22714	14537	10095	7417	5678	4487	3634
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3003	2524	2150	1854	1615	1420	1258	1122	1007	909
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	33763	8441	3751	2110	1351	938	689	528	417	338
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	279	234	200	172	150	132	117	104	94	84

Photometric Report

Rogue Outcast 1 BW: Full Spot, Full Power-w/Ring Off

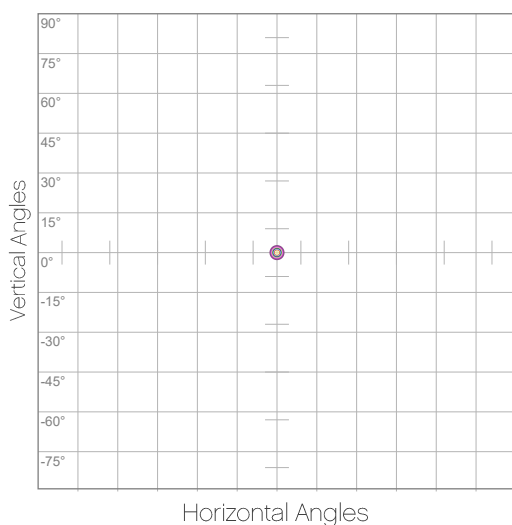
Candela Plot



Beam Angle (50%): 3.9°
Field Angle (10%): 5.8°
Cutoff Angle (3%): 6.5°

— Horizontal Distribution
— Vertical Distribution

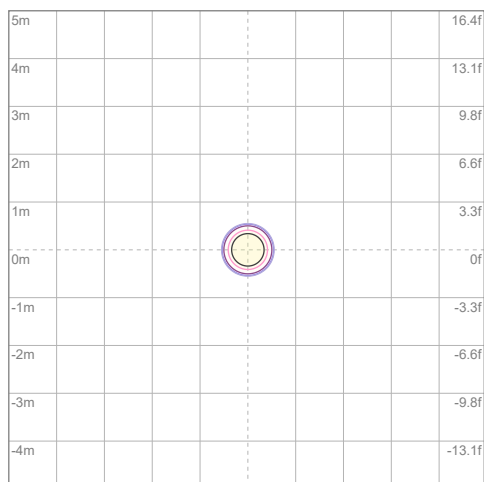
Polar Diagrams



iso-candela Diagram

10%	36342 cd
20%	72684 cd
30%	109026 cd
40%	145368 cd
50%	181710 cd
60%	218052 cd
70%	254394 cd
80%	290736 cd
90%	327078 cd

Conditions:
Number of c-planes: 2
Candela at center: 363420 cd



iso-illuminance Diagram

3%	109 lx
5%	182 lx
10%	363 lx
30%	1090 lx
50%	1817 lx

Conditions:
Number of c-planes: 2
Lux at center: 3634 lx

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

Mounting height: 10 meters / 33 feet

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 3809 lm

Peak Intensity: 11115 cd

Fixture Efficacy: 14 lm/W

Correlated Color Temperature: 8339K

Δuv : -0.0032

CRI: 75.1 CRI R9 Value: -21.4

CQS: 86.4

TLCI: 67

TM-30-18 Rf: 77.9

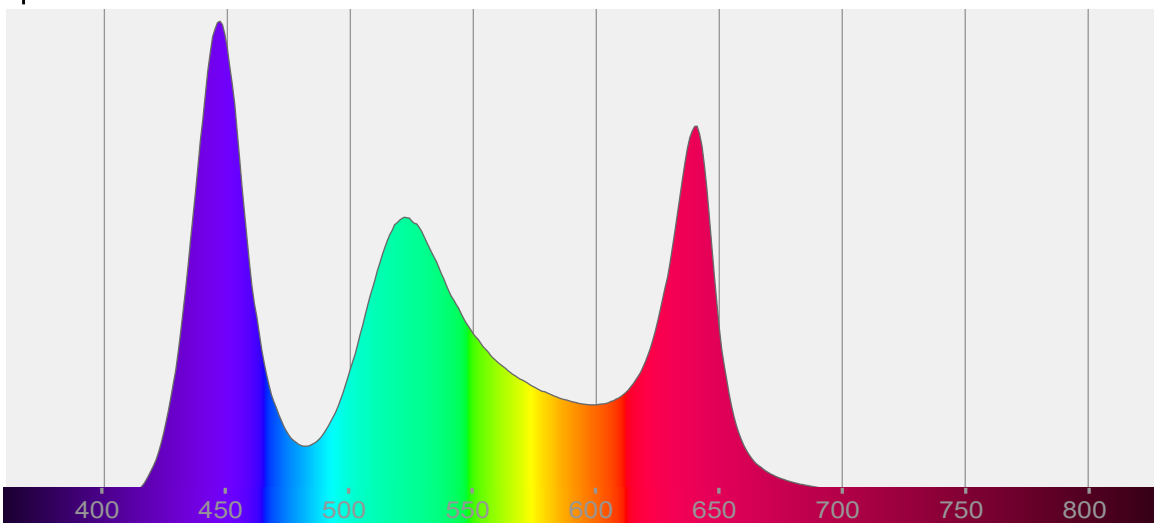
TM-30-18 Rg: 114.4

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

8339 K

CIE 1931 Coordinates:

X: 0.292 Y: 0.301

Color Temperature

8339 K

Light Quality

CRI: 75.1

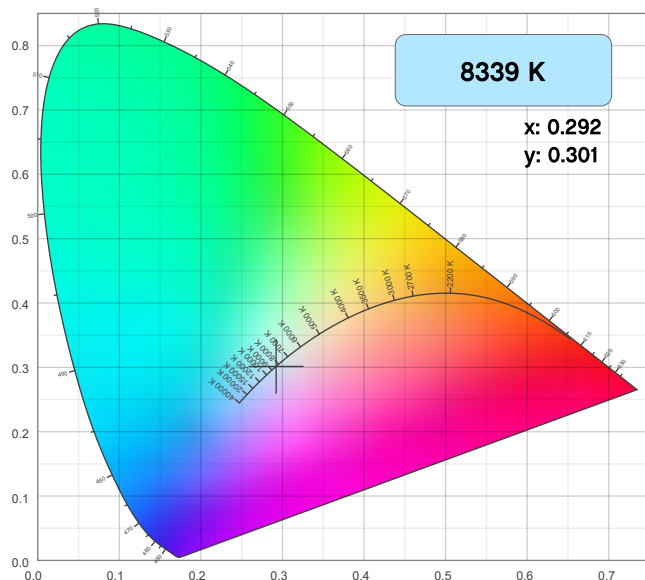
Notes:

Chromaticity Report

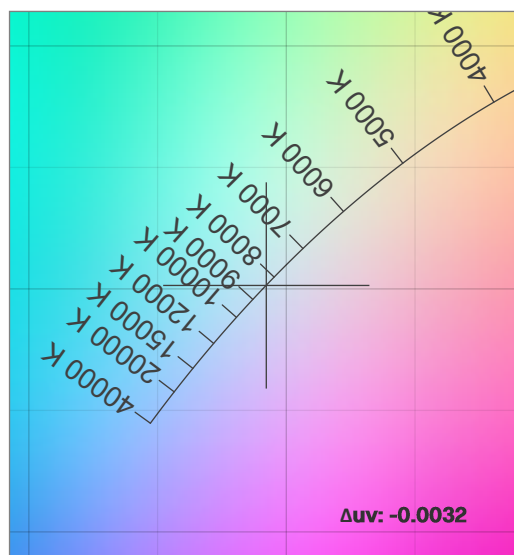
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

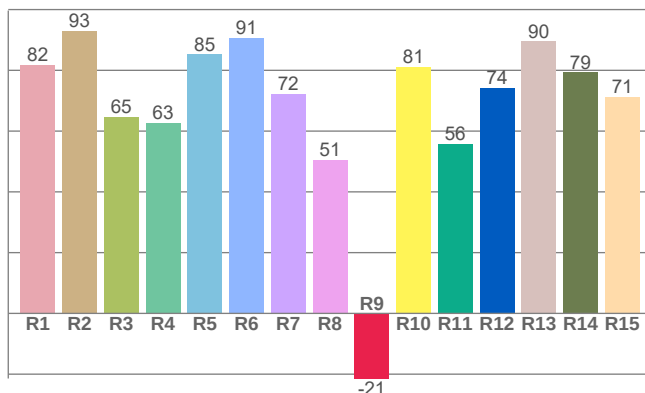
CIE 1931



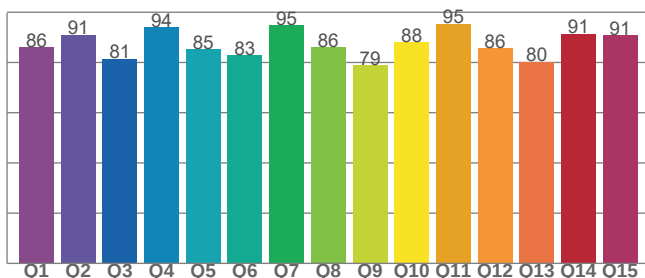
CIE 1931 - Zoom



CRI: 75.1 (R1-R8)



CQS: 86.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8339 K	0.292	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
-0.0032	0.301	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
75.1	-21.4	86.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
67	77.9	114.4

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

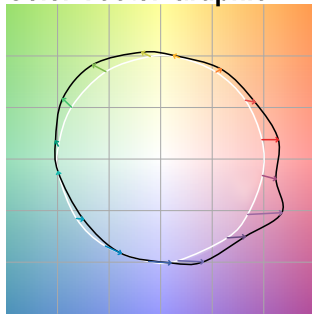
Rf 77.9

Fidelity Index
(R_f)

Rg 114.4

Gamut Index (R_g)

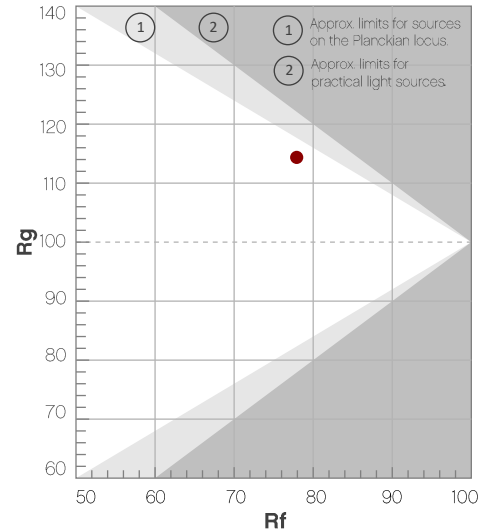
Color Vector Graphic



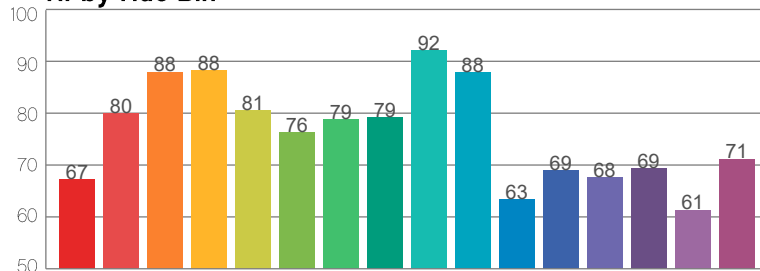
Color Distortion Graphic



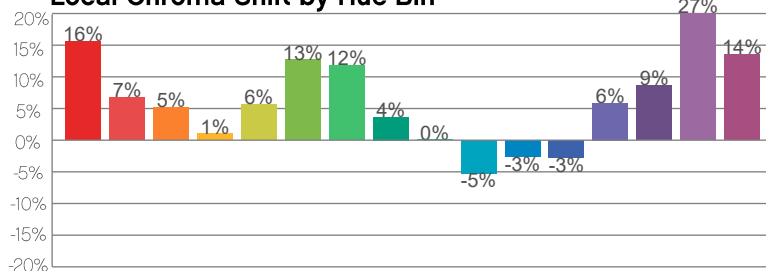
Hue Bin	R _f	Chroma Shift	Hue Shift
1	67	16%	-3%
2	80	7%	-7%
3	88	5%	-3%
4	88	1%	6%
5	81	6%	7%
6	76	13%	7%
7	79	12%	-2%
8	79	4%	-4%
9	92	0%	-3%
10	88	-5%	4%
11	63	-3%	17%
12	69	-3%	21%
13	68	6%	24%
14	69	9%	15%
15	61	27%	20%
16	71	14%	-1%



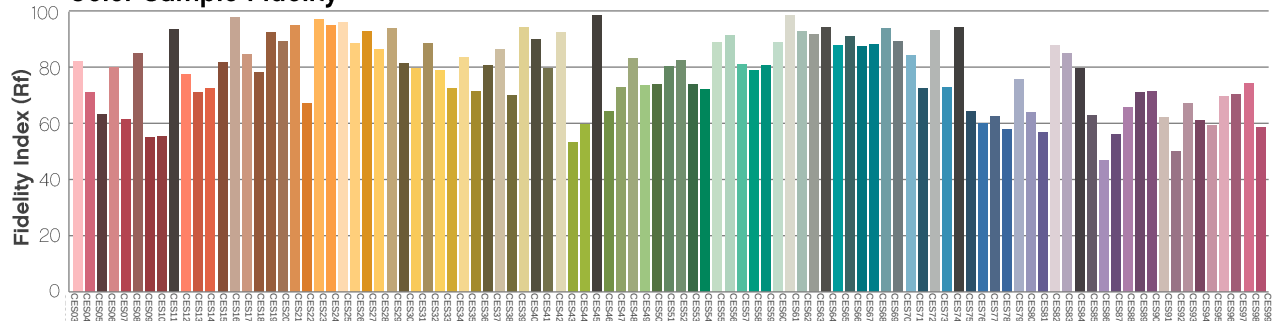
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 3976 lm

Peak Intensity: 11655 cd

Fixture Efficacy: 11 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

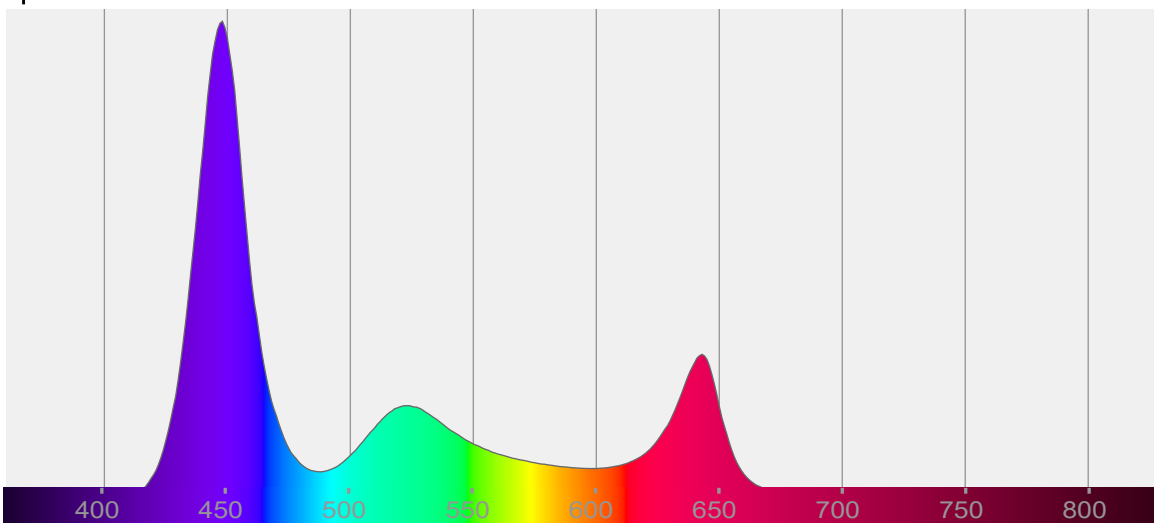
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.234 Y: 0.175

Color Temperature

0 K

Light Quality

CRI: 0.0

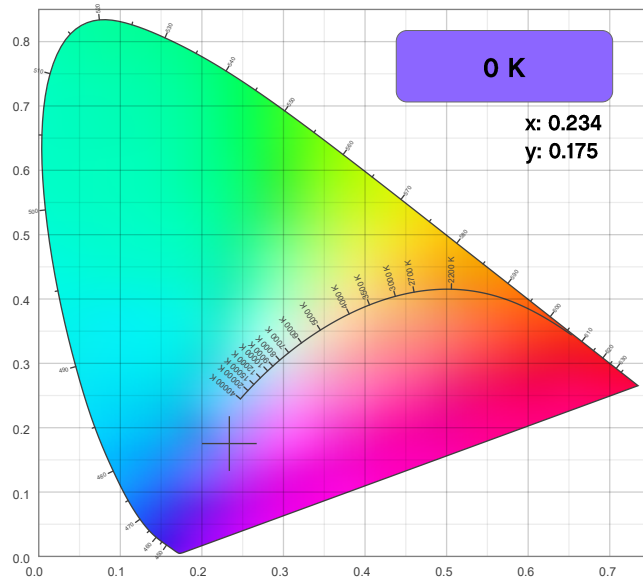
Notes:

Chromaticity Report

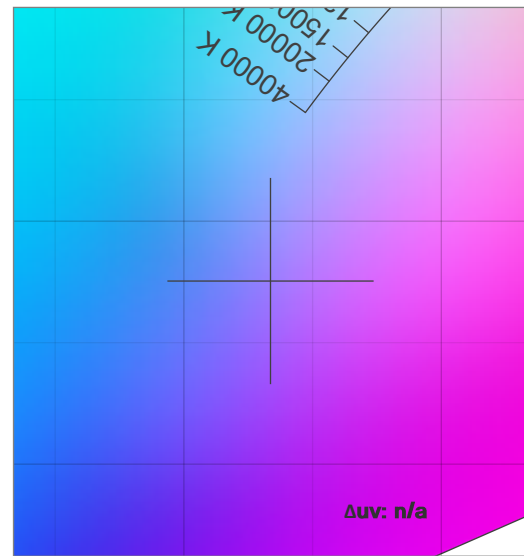
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.234	0.175

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.175	0.202

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

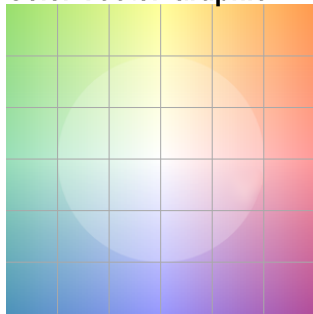
Rf 0.0

Fidelity Index
(R_f)

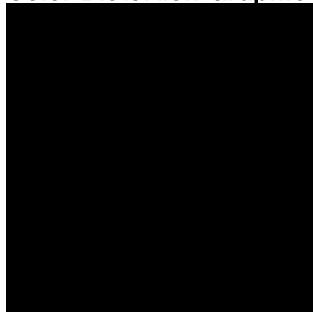
Rg 0.0

Gamut Index (R_g)

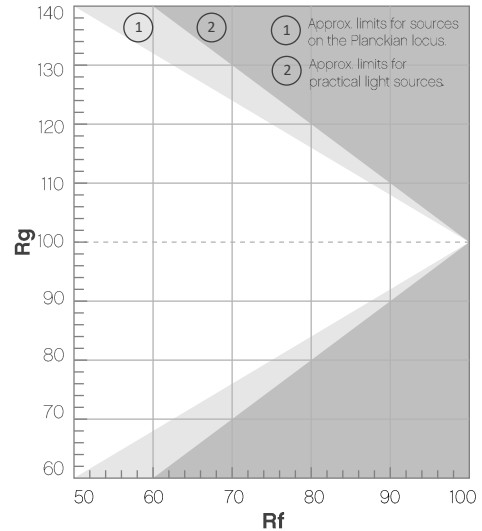
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 3739 lm

Peak Intensity: 10869 cd

Fixture Efficacy: 13 lm/W

Correlated Color Temperature: 8486K

Δuv : -0.0024

CRI: 75.8 CRI R9 Value: -17.6

CQS: 86.7

TLCI: 68

TM-30-18 Rf: 78.3

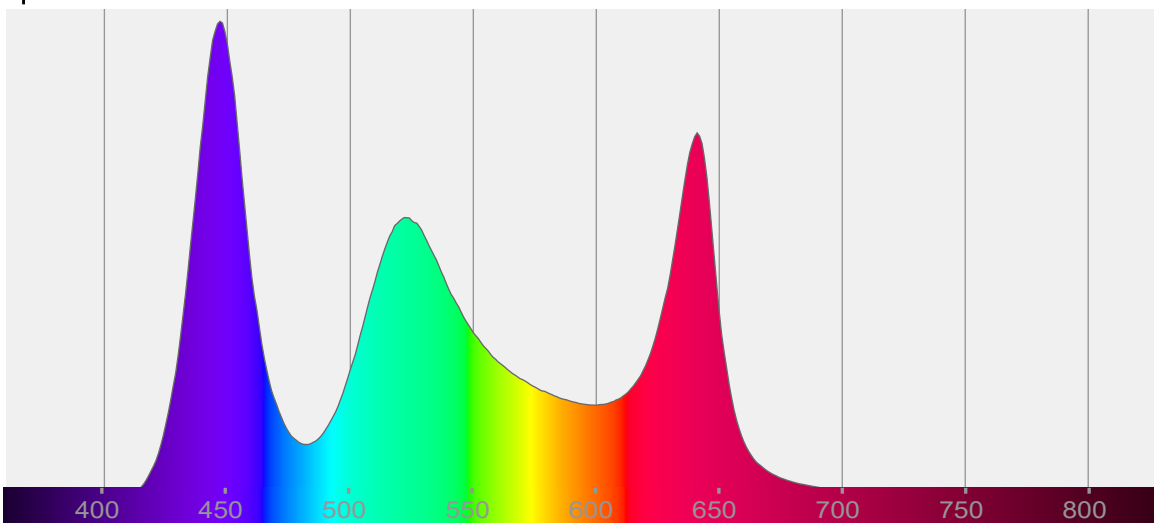
TM-30-18 Rg: 113.7

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

8486 K

CIE 1931 Coordinates:

X: 0.291 Y: 0.301

Color Temperature

8486 K

Light Quality

CRI: 75.8

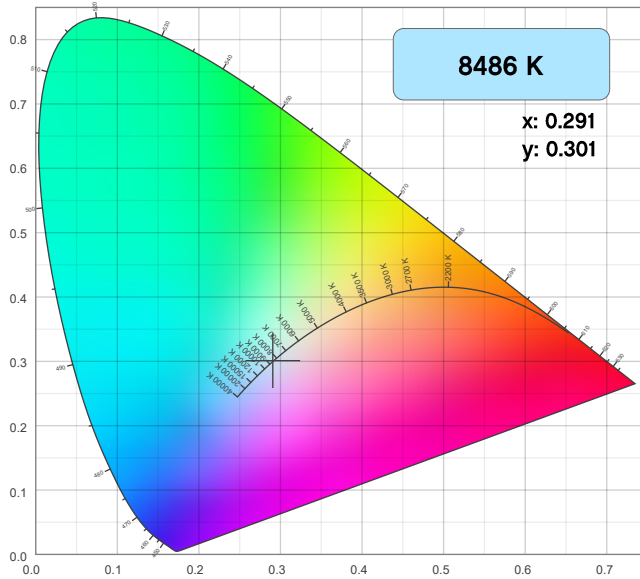
Notes:

Chromaticity Report

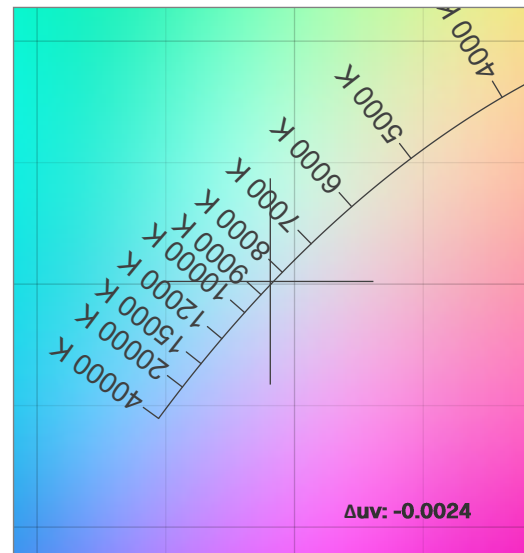
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

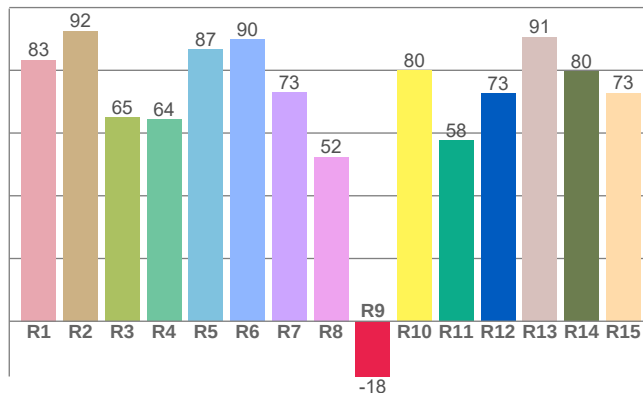
CIE 1931



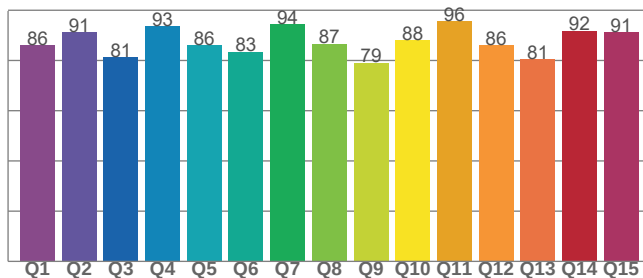
CIE 1931 - Zoom



CRI: 75.8 (R1-R8)



CQS: 86.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8486 K	0.291	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0024	0.301	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
75.8	-17.6	86.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
68	78.3	113.7

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

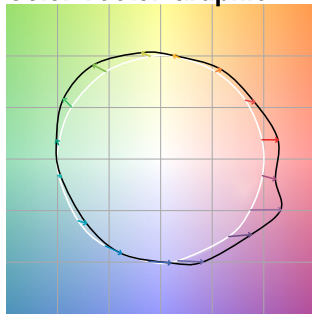
Rf 78.3

Fidelity Index
(R_f)

Rg 113.7

Gamut Index (R_g)

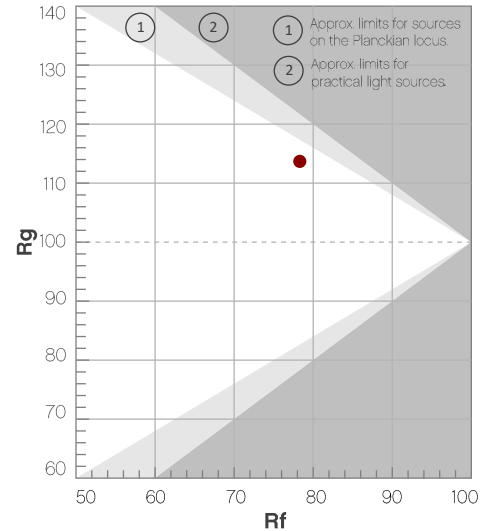
Color Vector Graphic



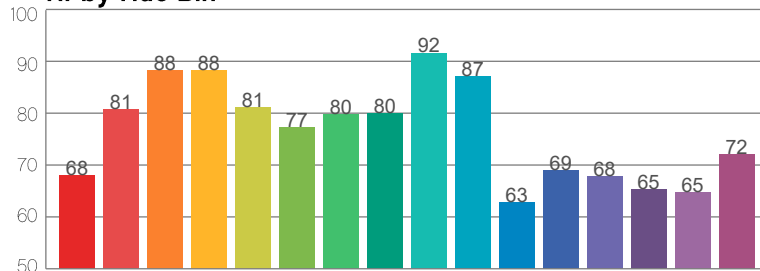
Color Distortion Graphic



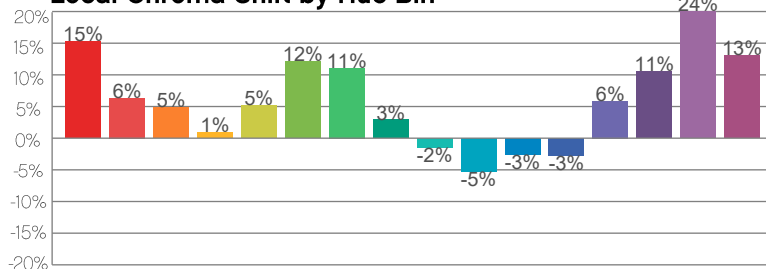
Hue Bin	R _f	Chroma Shift	Hue Shift
1	68	15%	-3%
2	81	6%	-7%
3	88	5%	-3%
4	88	1%	6%
5	81	5%	7%
6	77	12%	7%
7	80	11%	-2%
8	80	3%	-4%
9	92	-2%	-2%
10	87	-5%	6%
11	63	-3%	17%
12	69	-3%	21%
13	68	6%	24%
14	65	11%	19%
15	65	24%	17%
16	72	13%	-1%



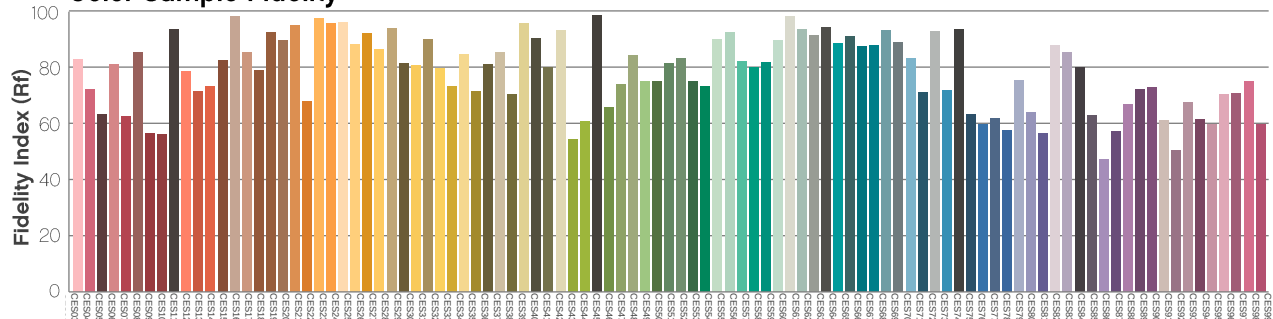
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 3903 lm

Peak Intensity: 11419 cd

Fixture Efficacy: 11 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

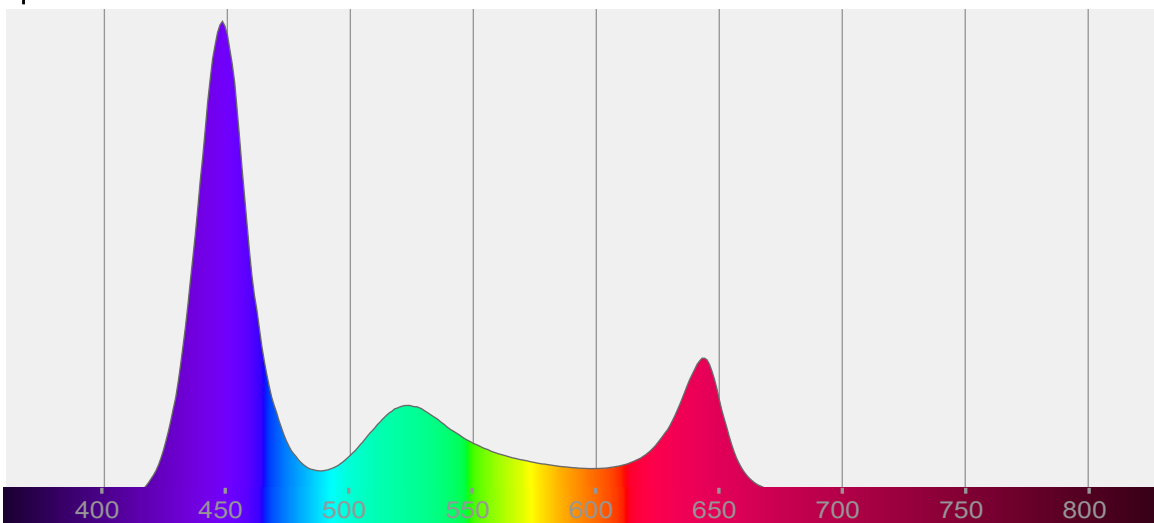
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 644 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.232 Y: 0.175

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

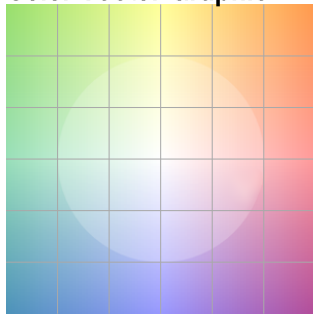
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

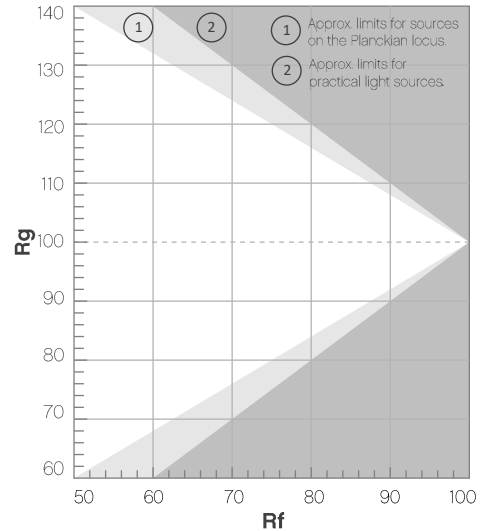
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

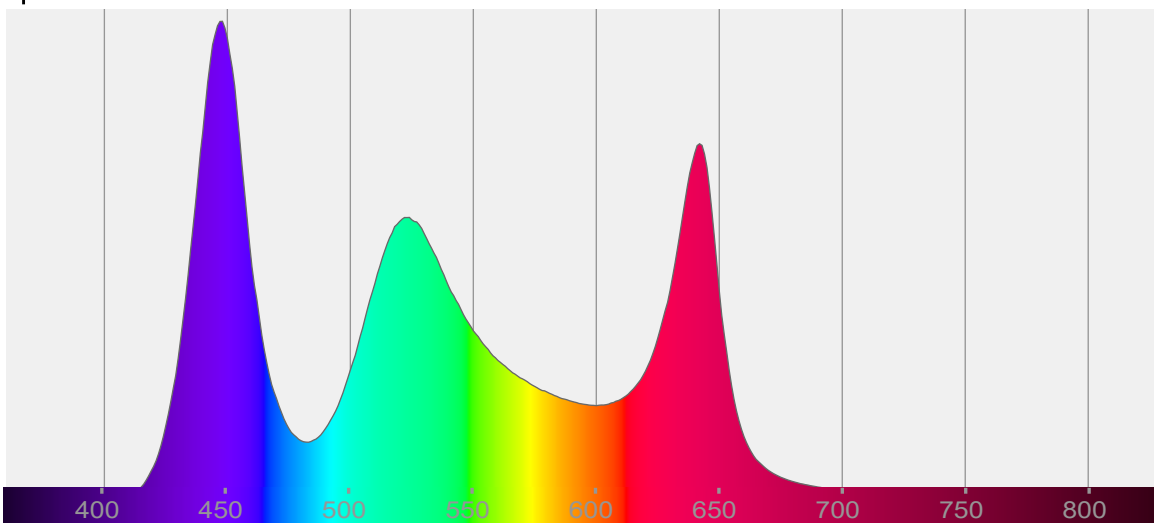
Total Lumens: 3642 lm
Peak Intensity: 10603 cd
Fixture Efficacy: 13 lm/W

Correlated Color Temperature: 8694K
 Δuv : -0.0013

CRI: 76.8 CRI R9 Value: -12.1
CQS: 87.0
TLCI: 69
TM-30-18 Rf: 78.8
TM-30-18 Rg: 112.8
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 642 nm



Spectral Distribution



Tested Color

8694 K

CIE 1931 Coordinates:
X: 0.288 Y: 0.301

Color Temperature

8694 K

Light Quality

CRI: 76.8

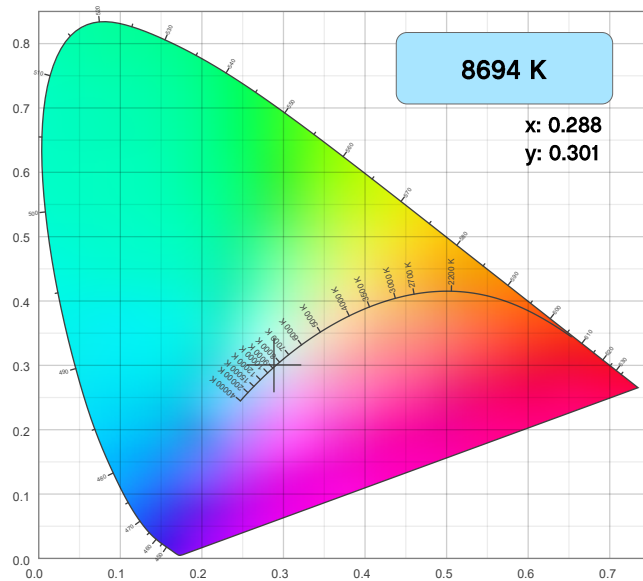
Notes:

Chromaticity Report

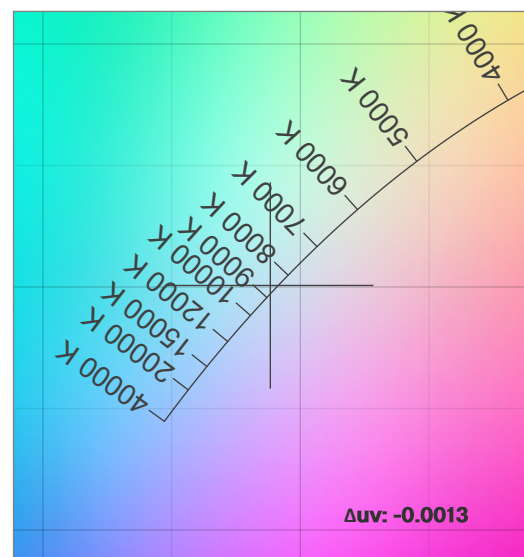
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

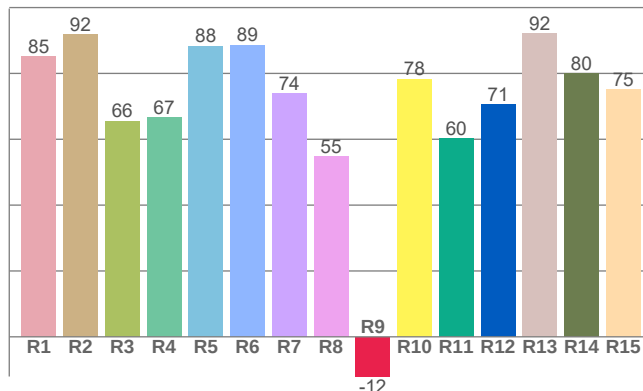
CIE 1931



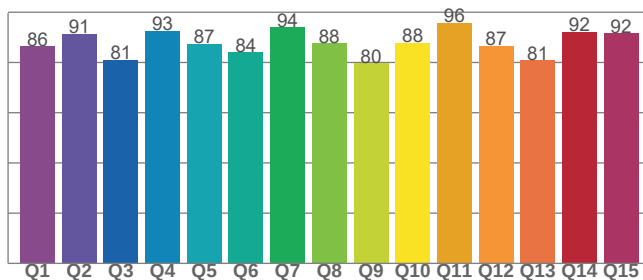
CIE 1931 - Zoom



CRI: 76.8 (R1-R8)



CQS: 87.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8694 K	0.288	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
-0.0013	0.301	0.191

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
76.8	-12.1	87.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
69	78.8	112.8

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

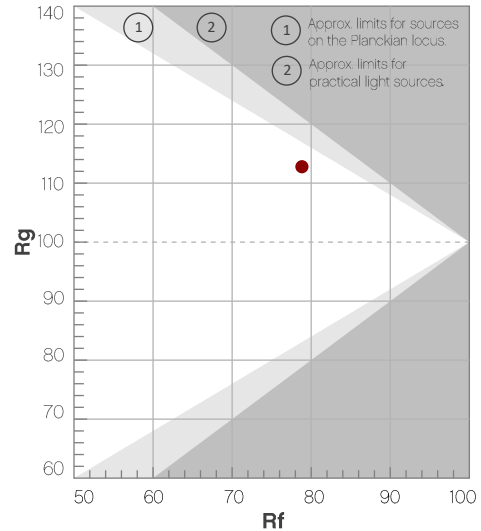
Rf 78.8

Fidelity Index
(R_f)

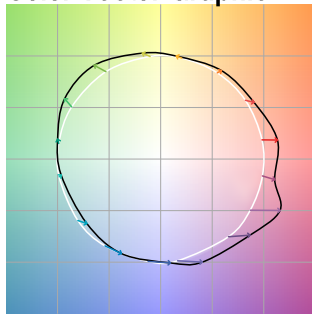
Rg 112.8

Gamut Index (R_g)

Hue Bin	R _f	Chroma Shift	Hue Shift
1	69	15%	-3%
2	82	6%	-6%
3	88	4%	-2%
4	89	1%	6%
5	82	5%	7%
6	79	11%	6%
7	81	10%	-3%
8	81	2%	-4%
9	92	-2%	-1%
10	86	-6%	7%
11	62	-3%	17%
12	69	-3%	21%
13	68	6%	23%
14	67	10%	18%
15	65	24%	16%
16	73	12%	-1%



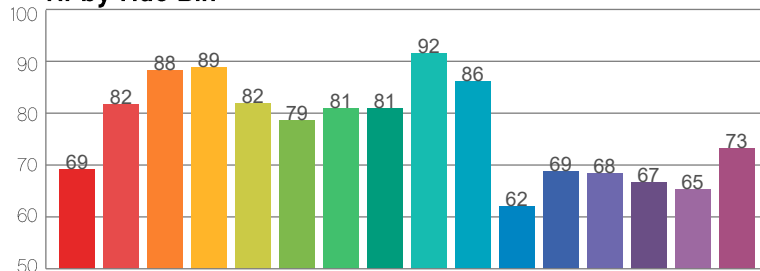
Color Vector Graphic



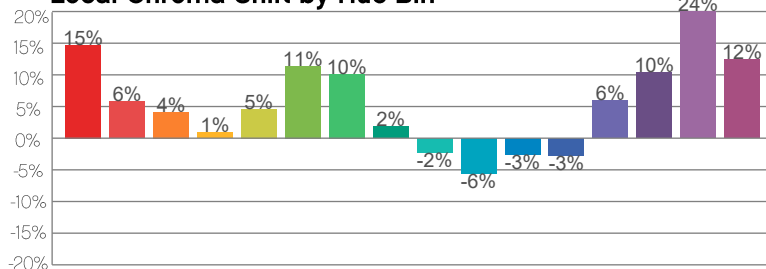
Color Distortion Graphic



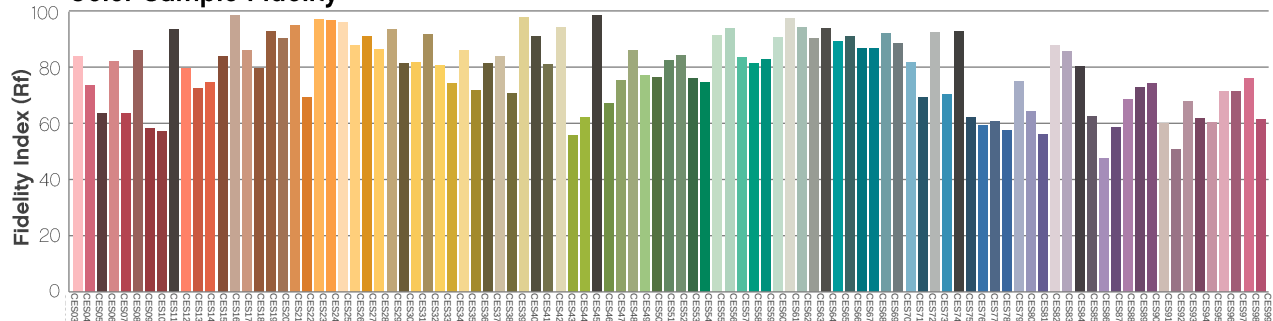
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 3855 lm

Peak Intensity: 11289 cd

Fixture Efficacy: 11 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

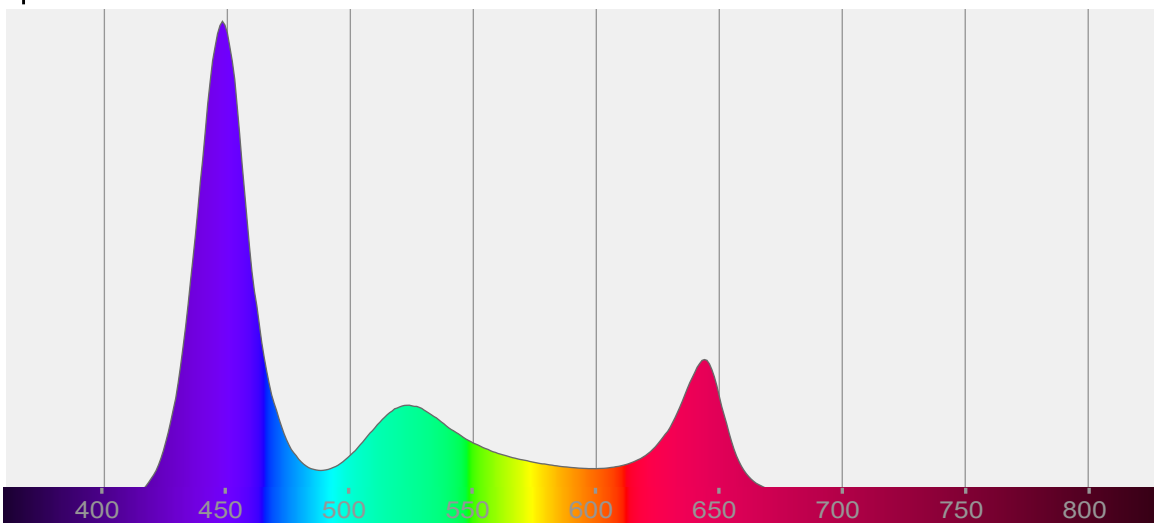
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 644 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.231 Y: 0.175

Color Temperature

0 K

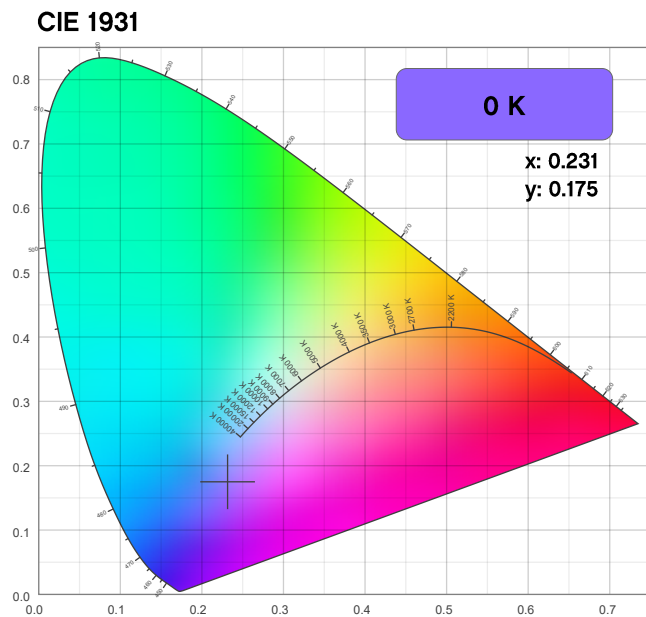
Light Quality

CRI: 0.0

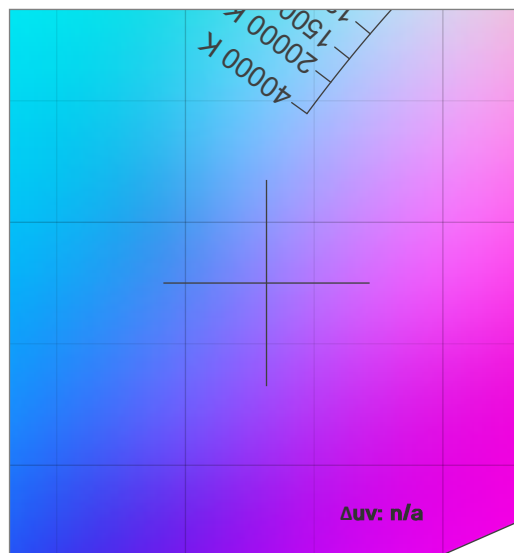
Notes:

Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.231	0.175

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.175	0.200

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

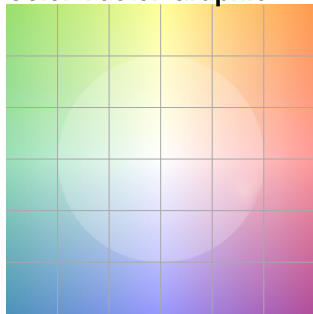
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

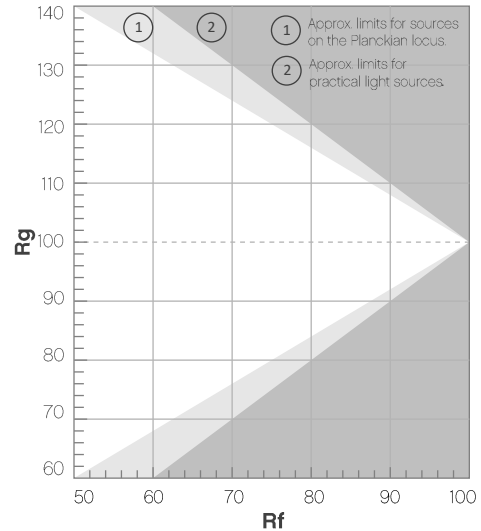
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

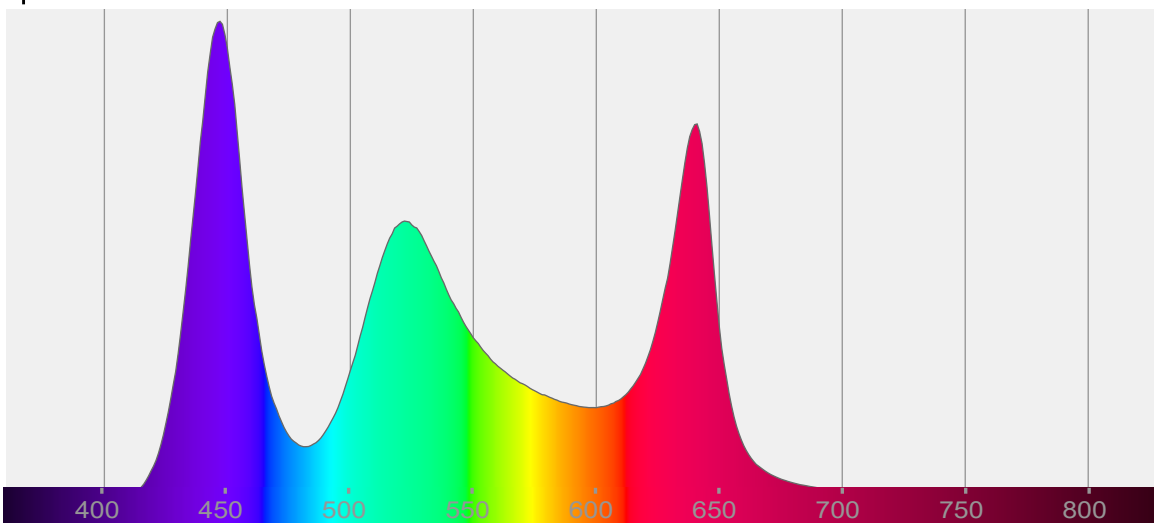
Total Lumens: 2665 lm
Peak Intensity: 39672 cd
Fixture Efficacy: 9 lm/W

Correlated Color Temperature: 8468K
 Δuv : -0.0039

CRI: 74.3 CRI R9 Value: -28.7
CQS: 86.1
TLCI: 65
TM-30-18 Rf: 77.4
TM-30-18 Rg: 114.9
1st Dominant Wavelength: 447 nm
2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

8468 K

CIE 1931 Coordinates:
X: 0.292 Y: 0.299

Color Temperature

8468 K

Light Quality

CRI: 74.3

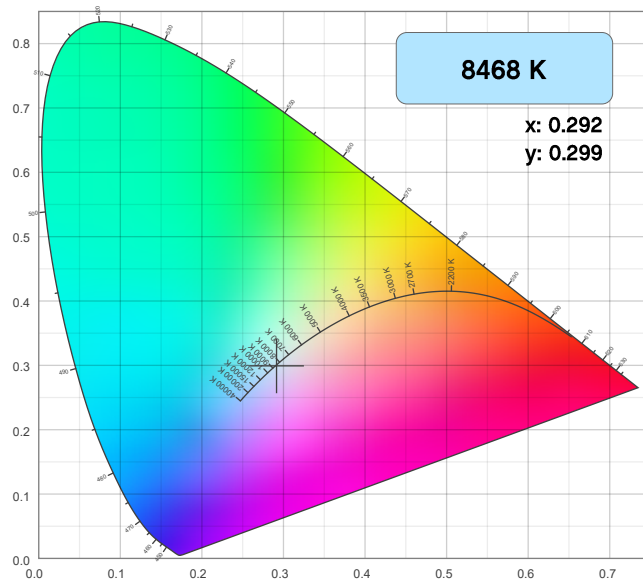
Notes:

Chromaticity Report

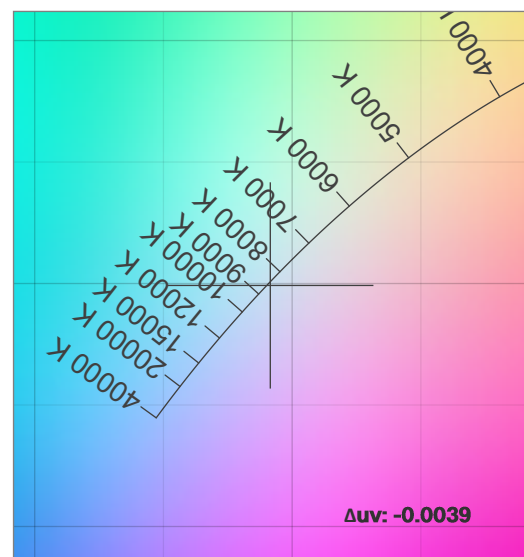
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

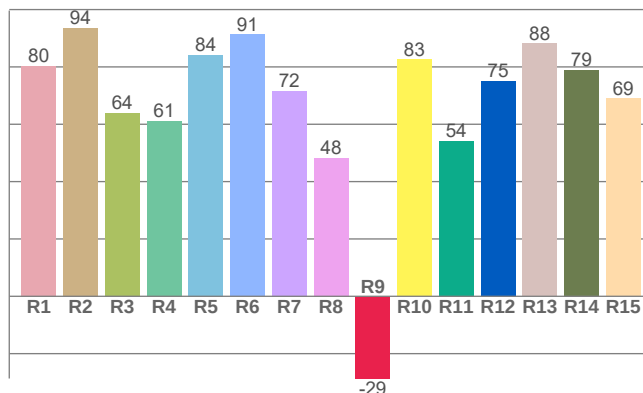
CIE 1931



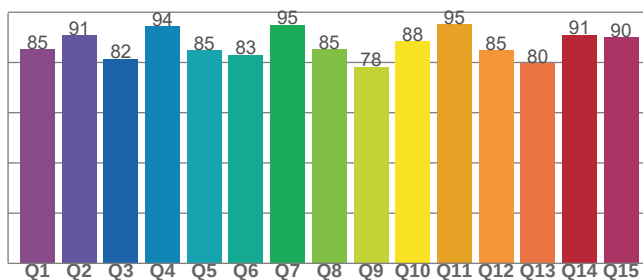
CIE 1931 - Zoom



CRI: 74.3 (R1-R8)



CQS: 86.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8468 K	0.292	0.299

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0039	0.299	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.3	-28.7	86.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
65	77.4	114.9

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

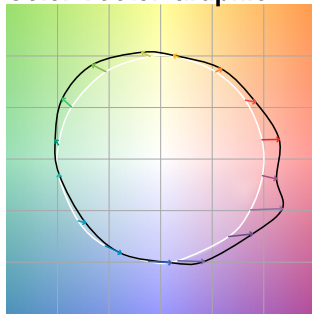
Rf 77.4

Fidelity Index
(R_f)

Rg 114.9

Gamut Index (R_g)

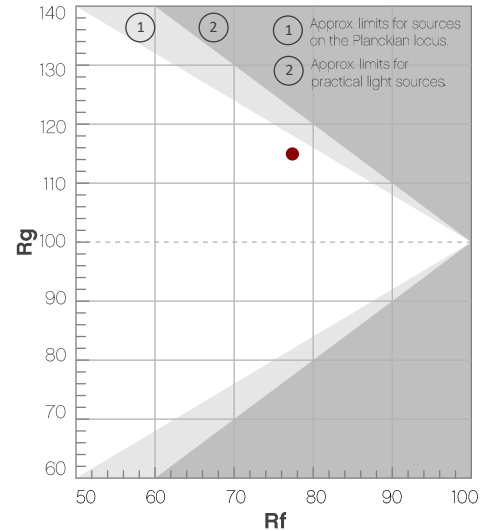
Color Vector Graphic



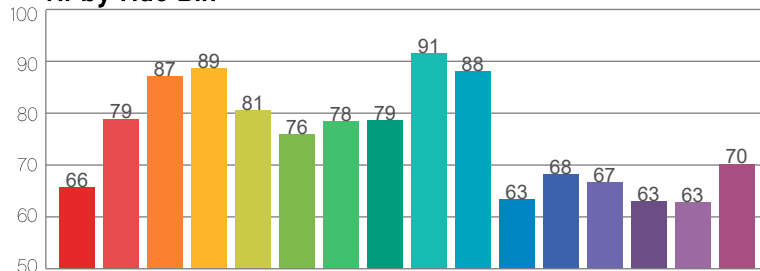
Color Distortion Graphic



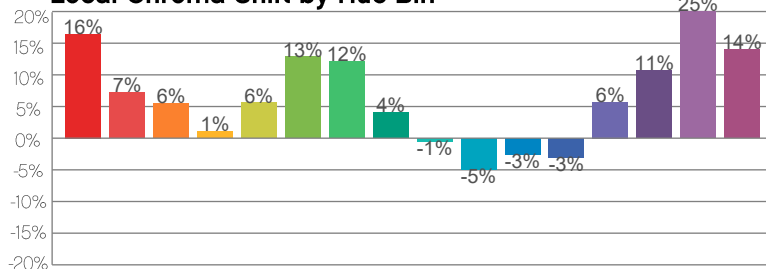
Hue Bin	R _f	Chroma Shift	Hue Shift
1	66	16%	-3%
2	79	7%	-7%
3	87	6%	-3%
4	89	1%	6%
5	81	6%	7%
6	76	13%	7%
7	78	12%	-2%
8	79	4%	-4%
9	91	-1%	-3%
10	88	-5%	5%
11	63	-3%	17%
12	68	-3%	22%
13	67	6%	25%
14	63	11%	21%
15	63	25%	18%
16	70	14%	0%



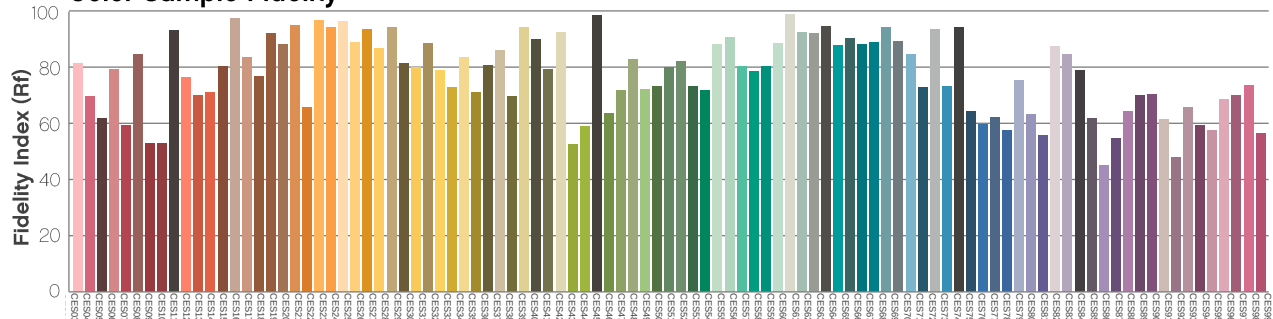
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

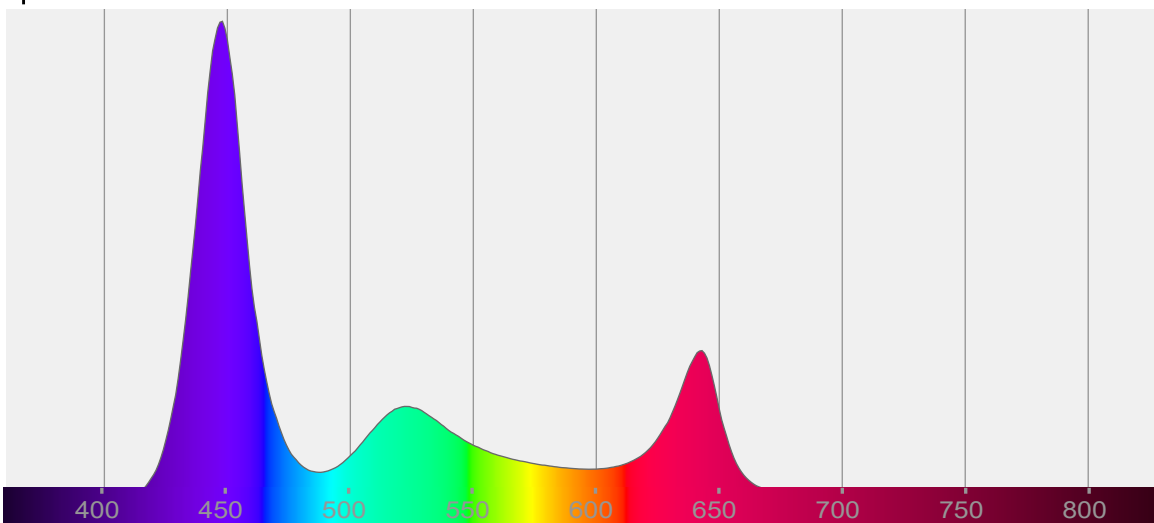
Total Lumens: 2882 lm
Peak Intensity: 42809 cd
Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 0K
 Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30-18 Rf: 0.0
TM-30-18 Rg: 0.0
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:
X: 0.234 Y: 0.174

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

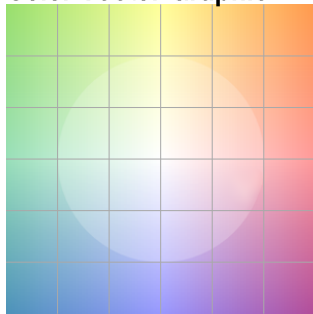
Rf 0.0

Fidelity Index
(R_f)

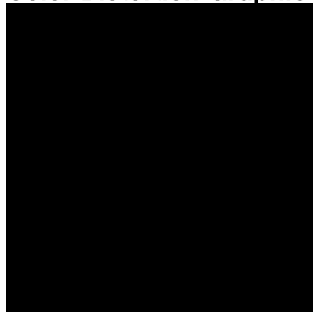
Rg 0.0

Gamut Index (R_g)

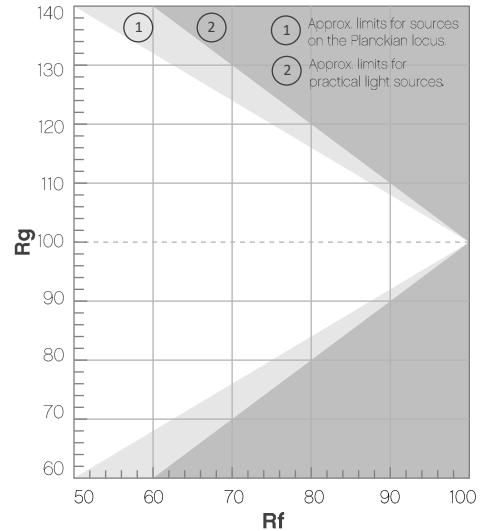
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



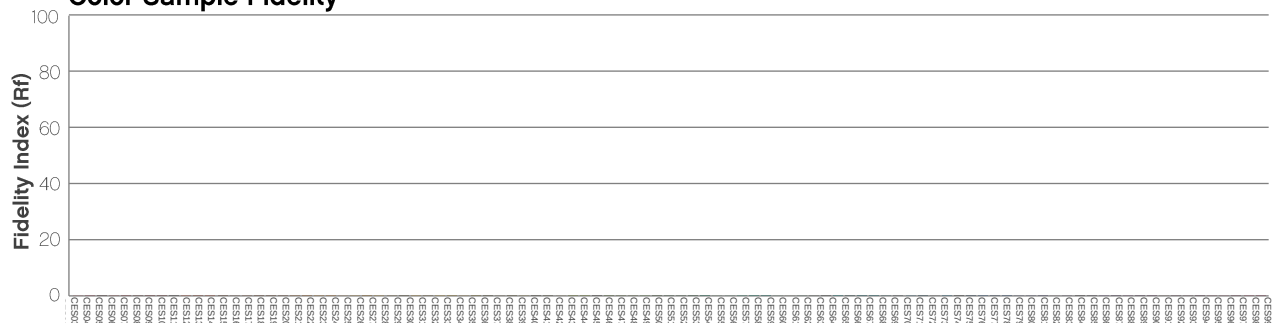
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Red Only-w/Ring On

Report Summary

Measurements

Total Lumens: 615 lm

Peak Intensity: 8725 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

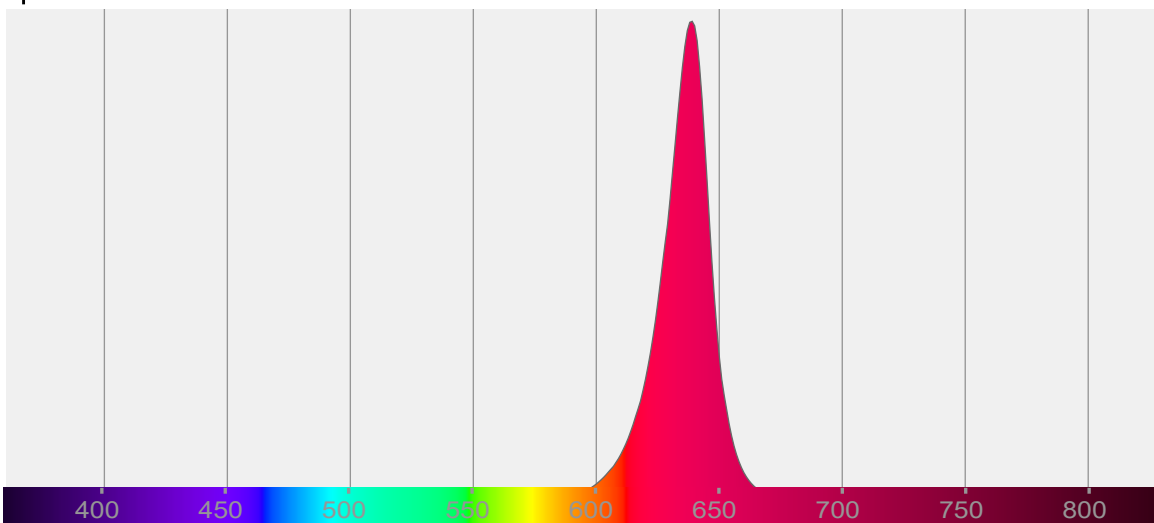
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 639 nm

2nd Dominant Wavelength: n/a nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.700 Y: 0.299

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Red Only-w/Ring On

TM-30-18 Details

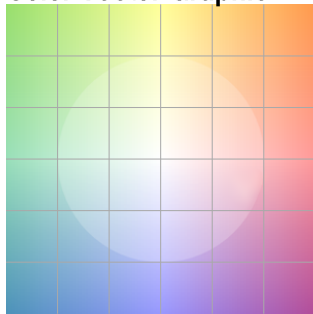
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

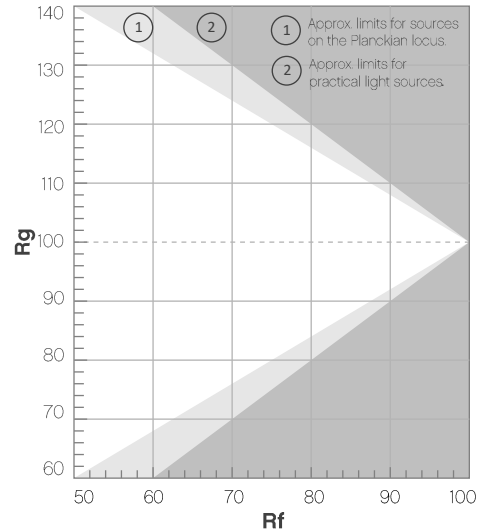
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Green Only-w/Ring On

Report Summary

Measurements

Total Lumens: 1036 lm

Peak Intensity: 15261 cd

Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

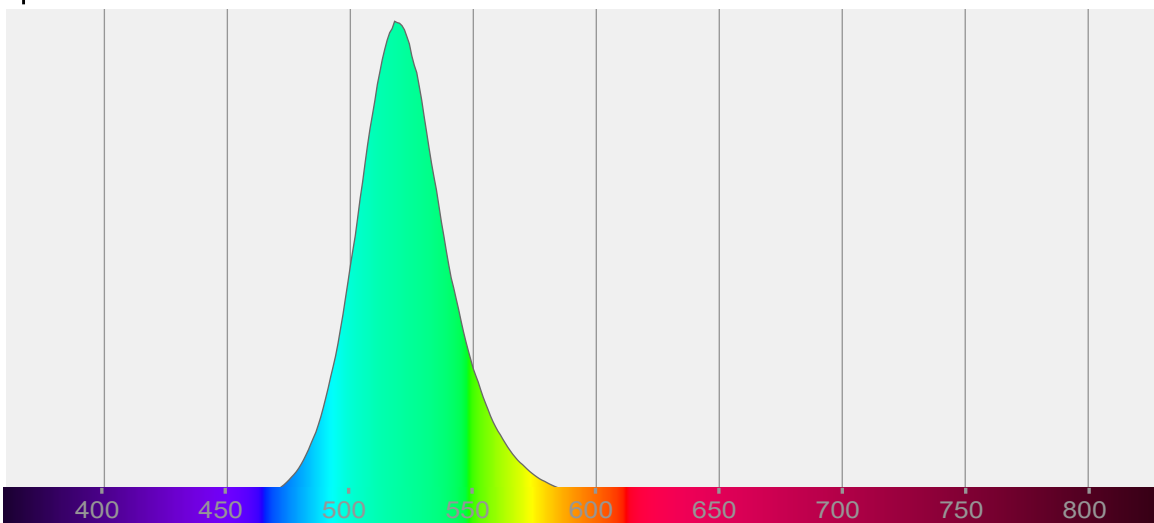
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 518 nm

2nd Dominant Wavelength: n/a nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.164 Y: 0.698

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Green Only-w/Ring On

TM-30-18 Details

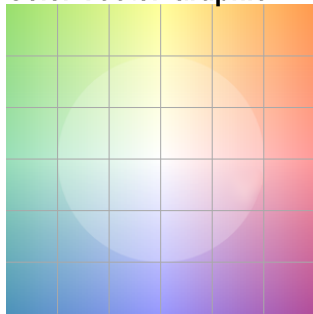
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

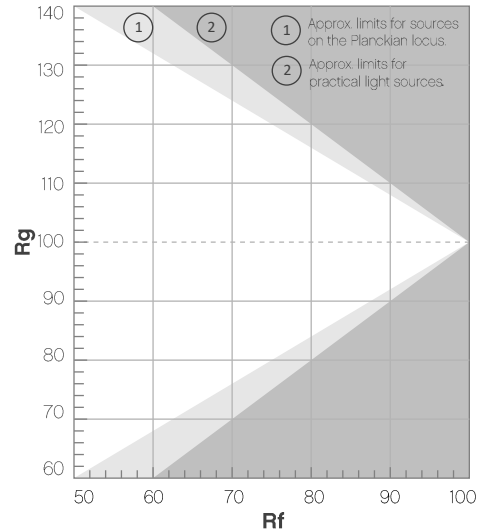
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Blue Only-w/Ring On

Report Summary

Measurements

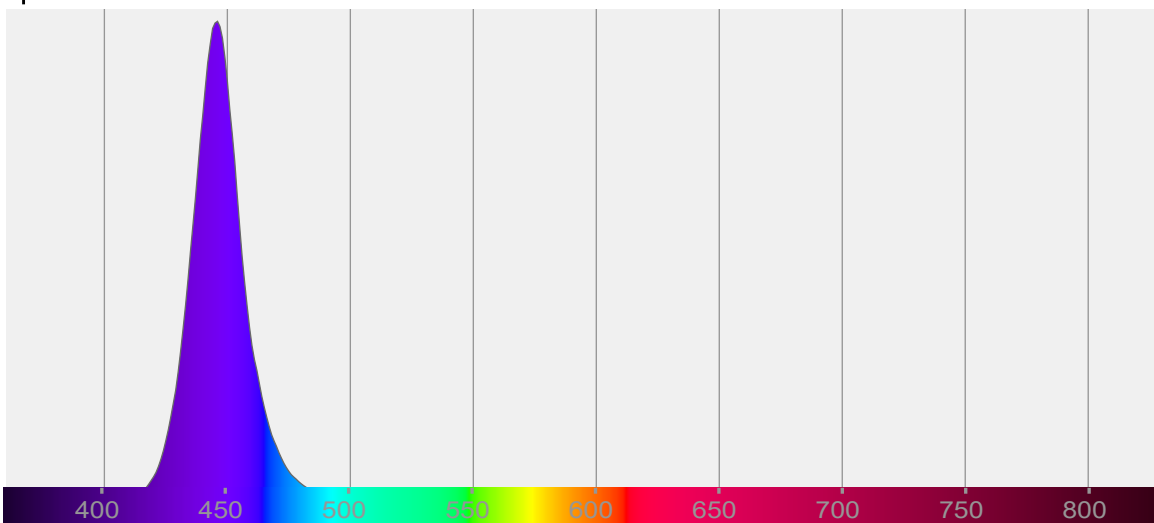
Total Lumens: 311 lm
Peak Intensity: 4381 cd
Fixture Efficacy: 3 lm/W

Correlated Color Temperature: 0K
 Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30-18 Rf: 0.0
TM-30-18 Rg: 0.0
1st Dominant Wavelength: 446 nm
2nd Dominant Wavelength: n/a nm



Spectral Distribution



Tested Color

0 K
CIE 1931 Coordinates:
X: 0.158 Y: 0.021

Color Temperature

0 K

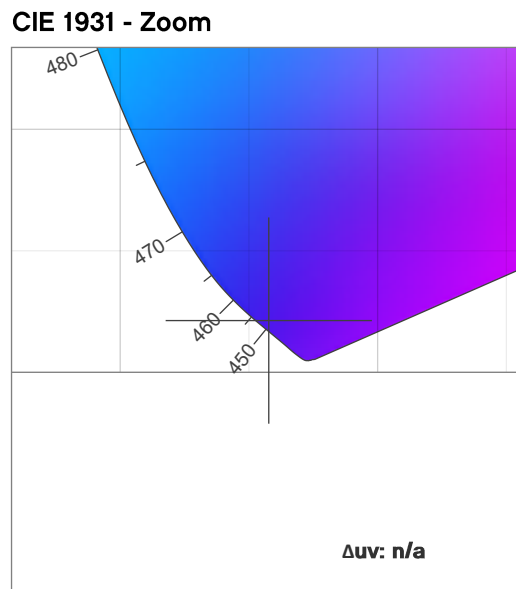
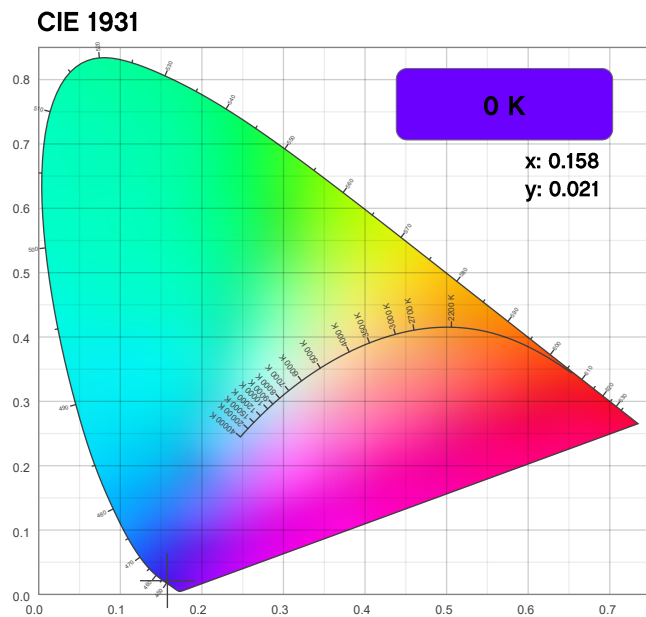
Light Quality

CRI: 0.0

Notes:

Rogue Outcast 1 BW: Blue Only-w/Ring On

Chromaticity



CRI: 0.0 (R1-R8)

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

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.158	0.021

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
n/a	0.021	0.215

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

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

Chromaticity Report

Rogue Outcast 1 BW: Blue Only-w/Ring On

TM-30-18 Details

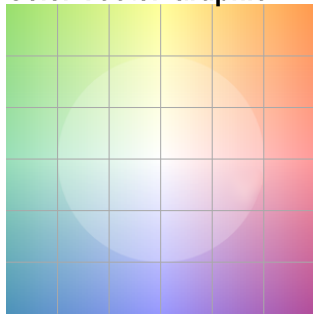
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

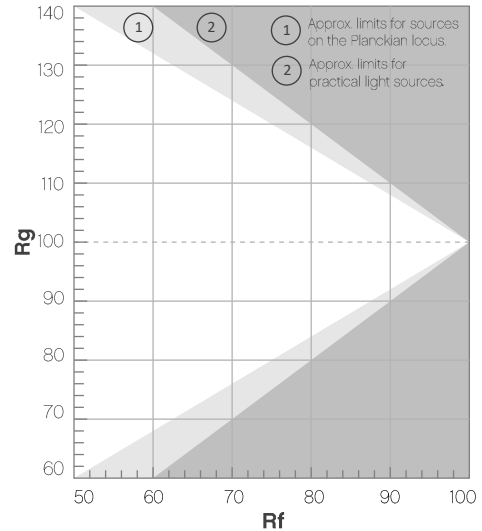
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: White Only-w/Ring Off

Report Summary

Measurements

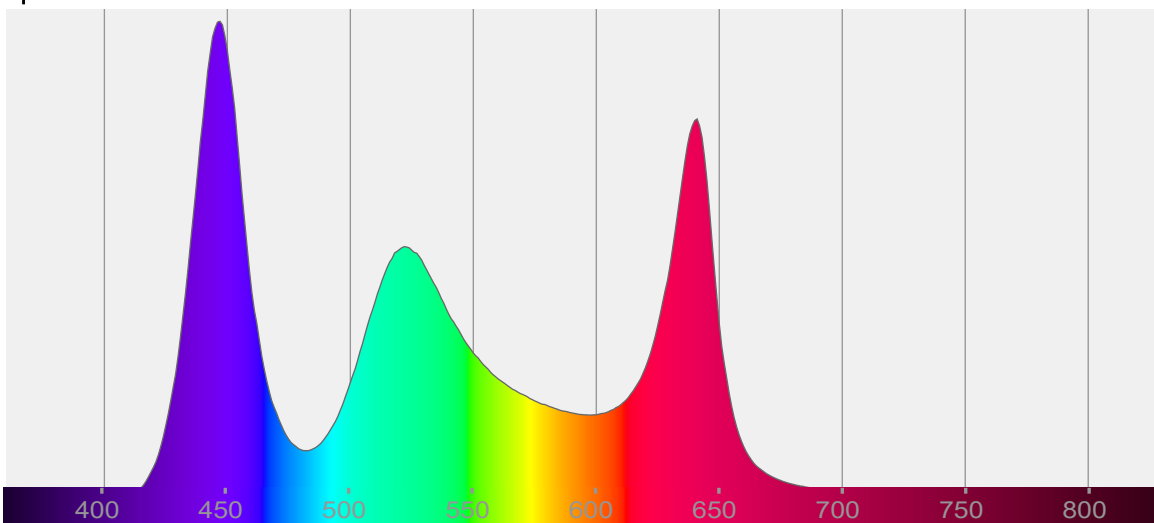
Total Lumens: 2686 lm
Peak Intensity: 40333 cd
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 8865K
 Δuv : -0.0099

CRI: 70.1 CRI R9 Value: -59.6
CQS: 84.9
TLCI: 59
TM-30-18 Rf: 74.6
TM-30-18 Rg: 118.0
1st Dominant Wavelength: 447 nm
2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

8865 K

CIE 1931 Coordinates:
X: 0.292 Y: 0.288

Color Temperature

8865 K

Light Quality

CRI: 70.1

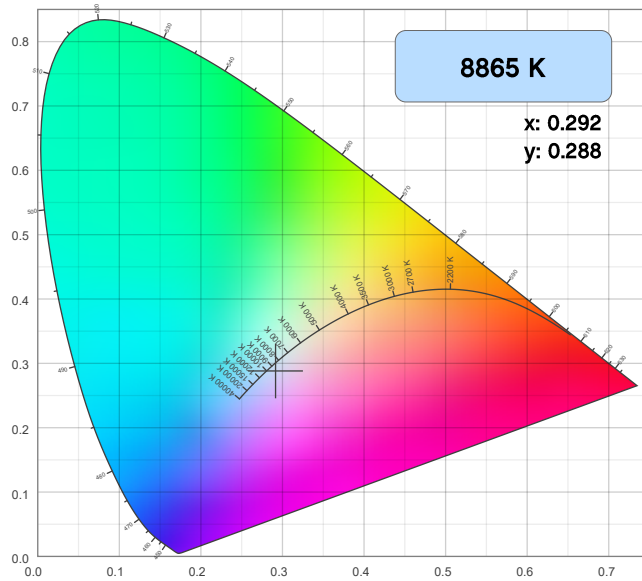
Notes:

Chromaticity Report

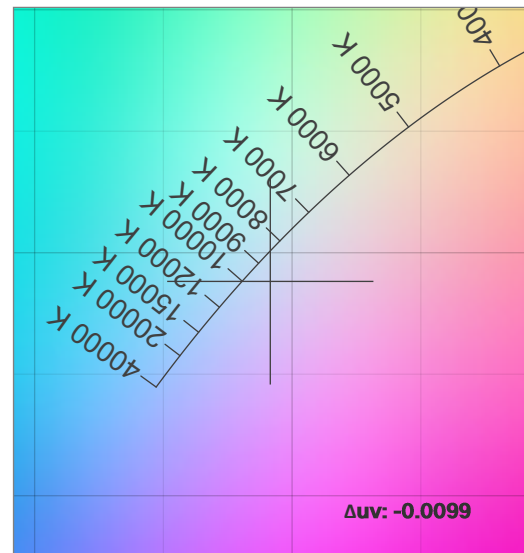
Rogue Outcast 1 BW: White Only-w/Ring Off

Chromaticity

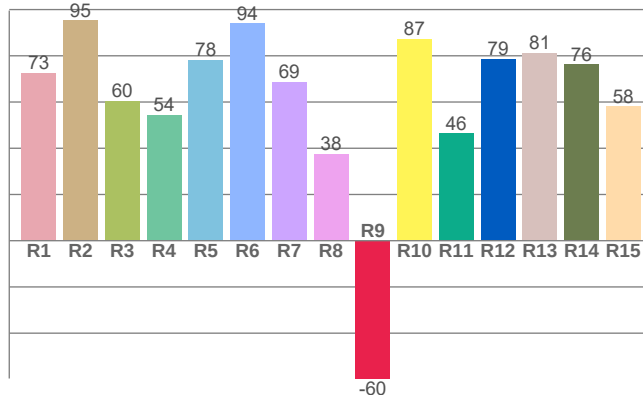
CIE 1931



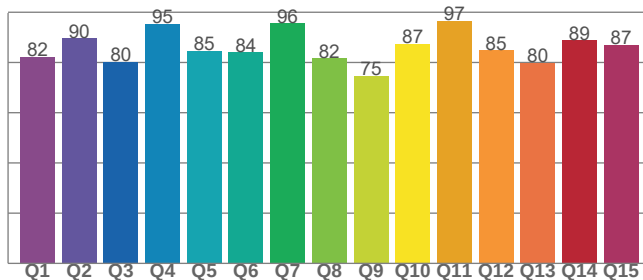
CIE 1931 - Zoom



CRI: 70.1 (R1-R8)



CQS: 84.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8865 K	0.292	0.288

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
-0.0099	0.288	0.198

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.1	-59.6	84.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
59	74.6	118.0

Chromaticity Report

Rogue Outcast 1 BW: White Only-w/Ring Off

TM-30-18 Details

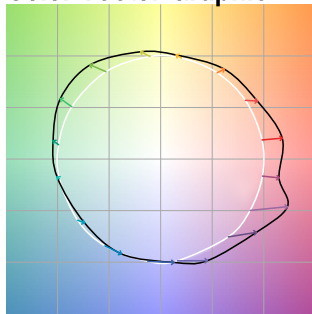
Rf 74.6

Fidelity Index
(R_f)

Rg 118.0

Gamut Index (R_g)

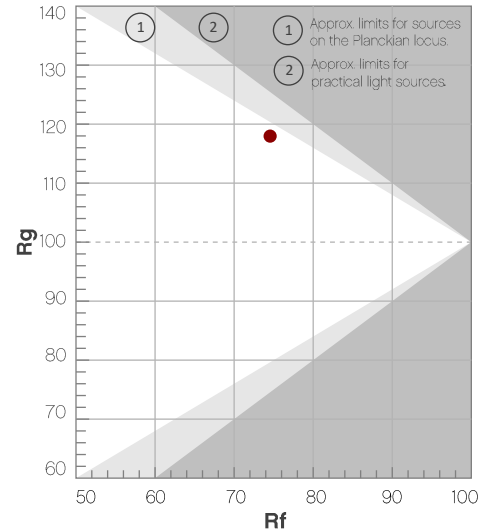
Color Vector Graphic



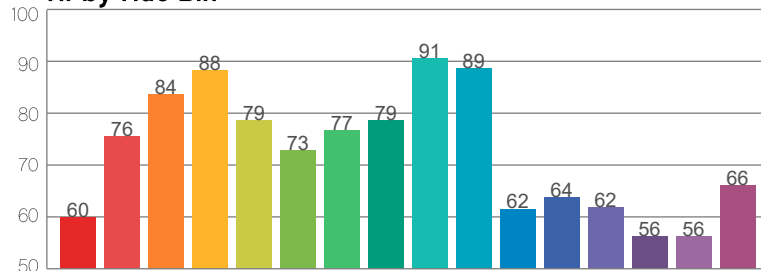
Color Distortion Graphic



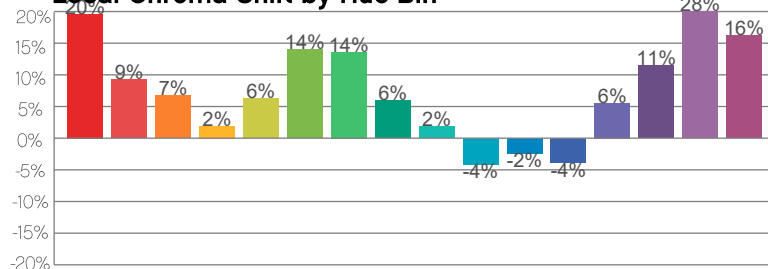
Hue Bin	R _f	Chroma Shift	Hue Shift
1	60	20%	-2%
2	76	9%	-7%
3	84	7%	-4%
4	88	2%	6%
5	79	6%	8%
6	73	14%	9%
7	77	14%	0%
8	79	6%	-3%
9	91	2%	-2%
10	89	-4%	6%
11	62	-2%	17%
12	64	-4%	25%
13	62	6%	28%
14	56	11%	25%
15	56	28%	23%
16	66	16%	2%



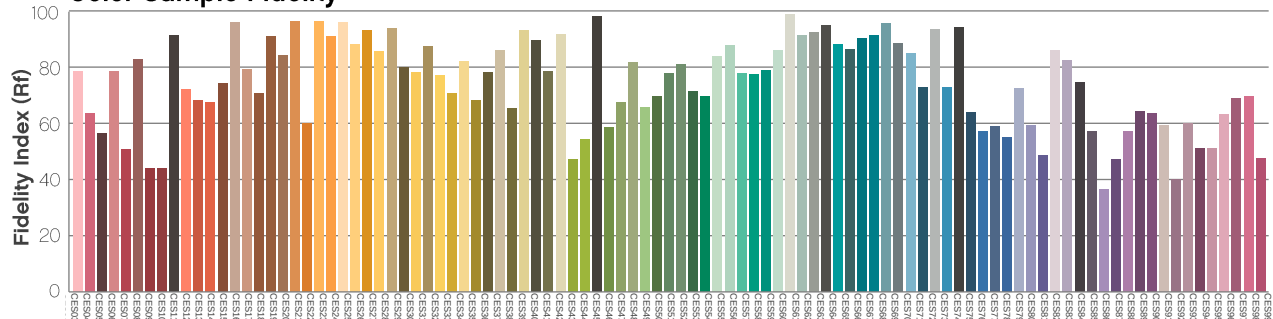
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 1591 lm

Peak Intensity: 336170 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 8670K

Δuv : -0.0043

CRI: 73.8 CRI R9 Value: -33.9

CQS: 85.9

TLCI: 64

TM-30-18 Rf: 77.0

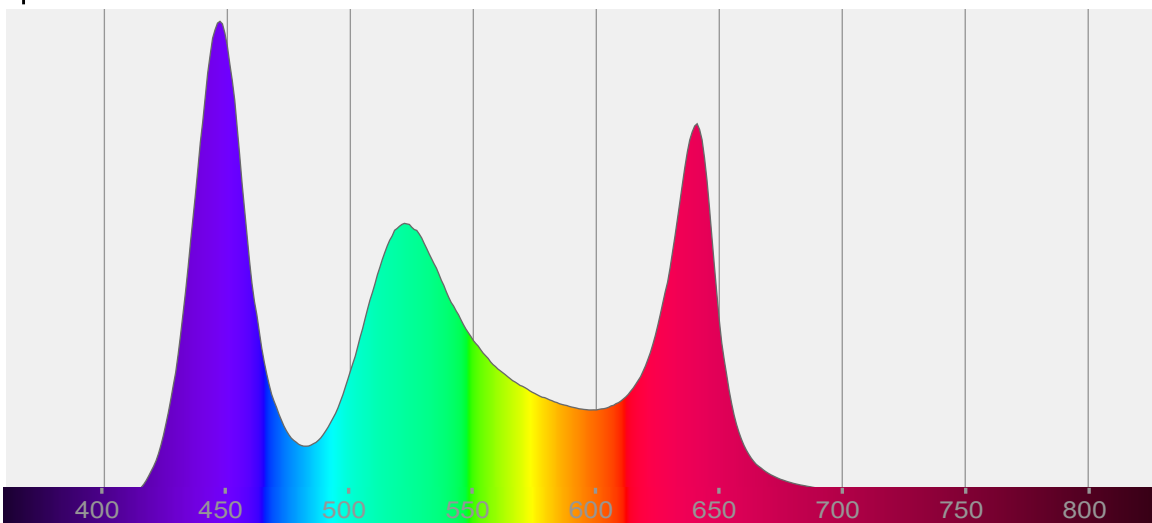
TM-30-18 Rg: 115.2

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

8670 K

CIE 1931 Coordinates:

X: 0.290 Y: 0.297

Color Temperature

8670 K

Light Quality

CRI: 73.8

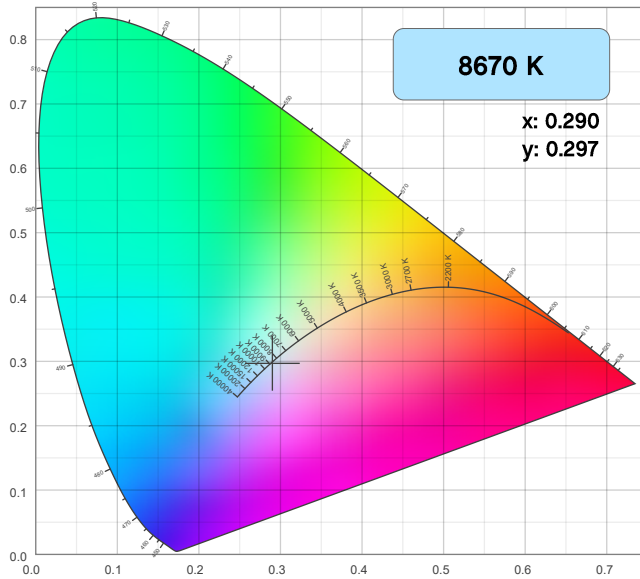
Notes:

Chromaticity Report

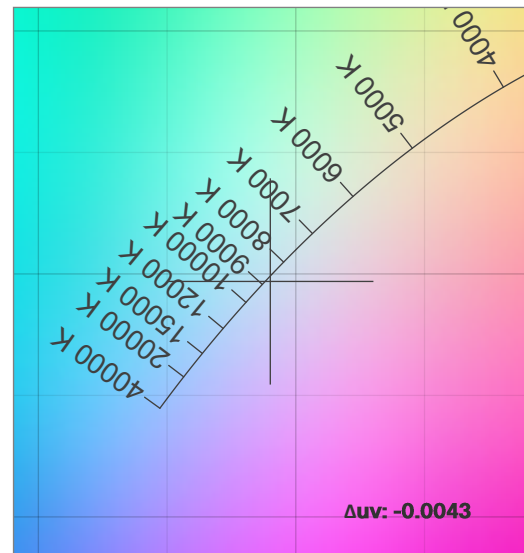
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

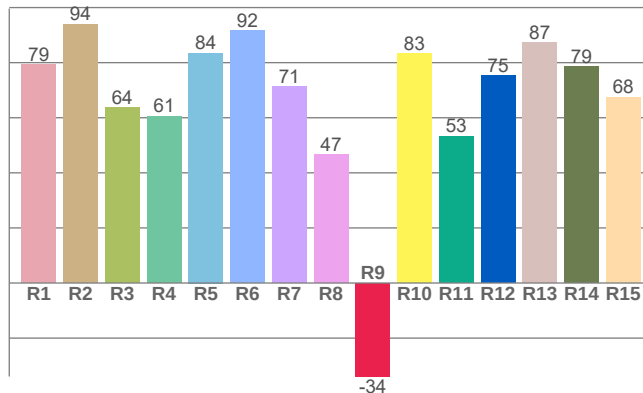
CIE 1931



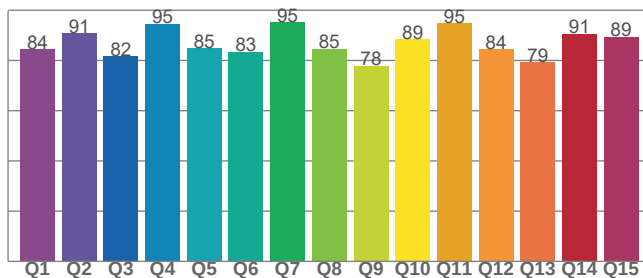
CIE 1931 - Zoom



CRI: 73.8 (R1-R8)



CQS: 85.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8670 K	0.290	0.297

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0043	0.297	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.8	-33.9	85.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
64	77.0	115.2

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

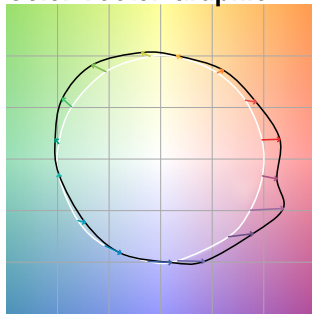
Rf 77.0

Fidelity Index
(R_f)

Rg 115.2

Gamut Index (R_g)

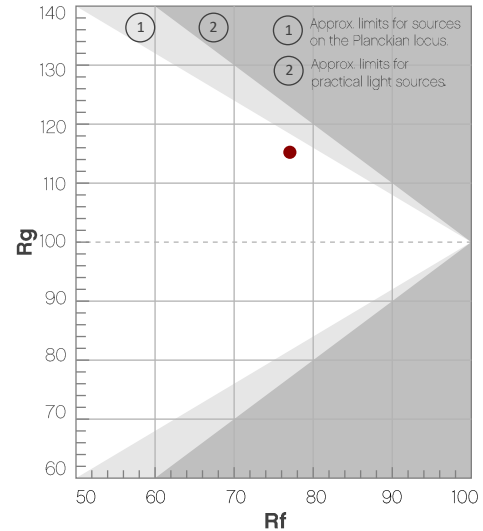
Color Vector Graphic



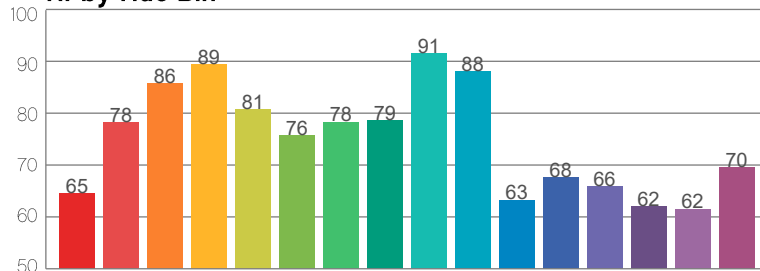
Color Distortion Graphic



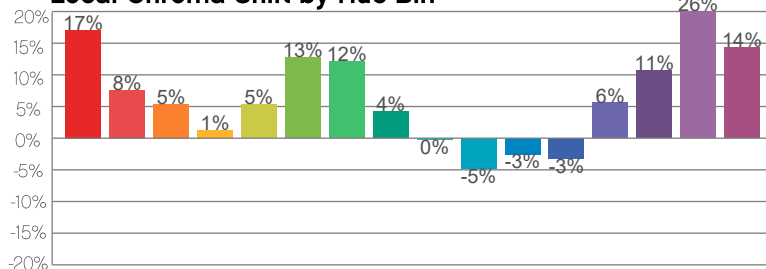
Hue Bin	R _f	Chroma Shift	Hue Shift
1	65	17%	-3%
2	78	8%	-7%
3	86	5%	-3%
4	89	1%	5%
5	81	5%	7%
6	76	13%	7%
7	78	12%	-2%
8	79	4%	-4%
9	91	0%	-3%
10	88	-5%	6%
11	63	-3%	17%
12	68	-3%	22%
13	66	6%	25%
14	62	11%	21%
15	62	26%	19%
16	70	14%	0%



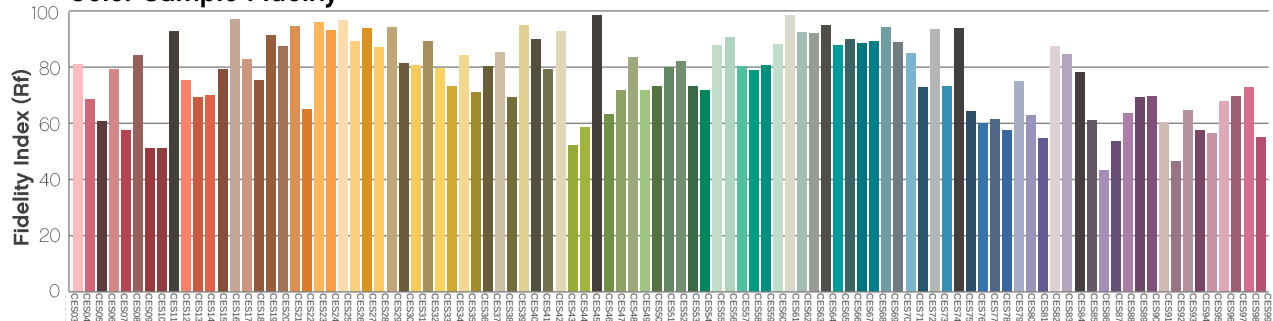
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 1801 lm

Peak Intensity: 365888 cd

Fixture Efficacy: 5 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

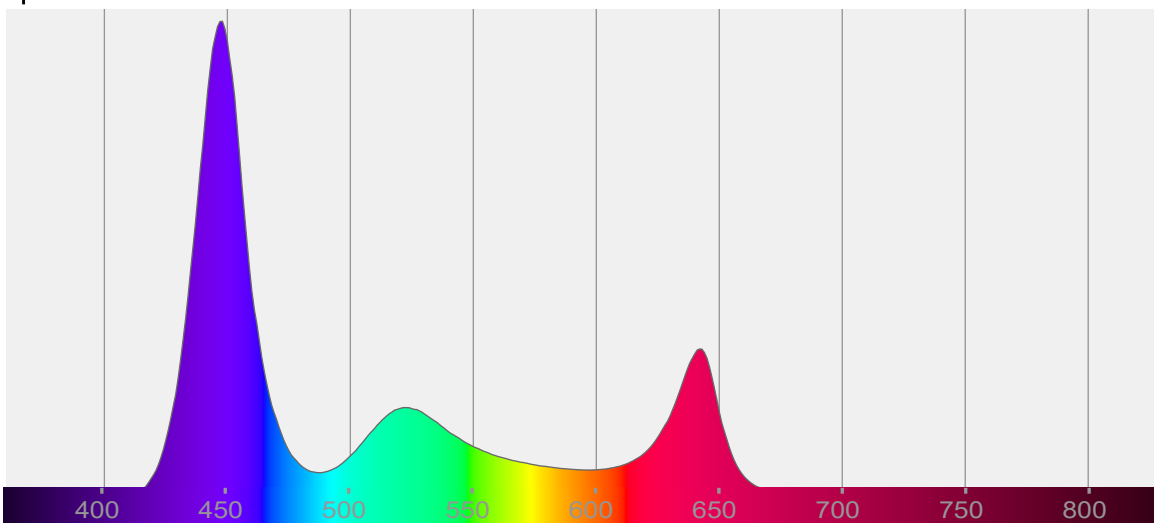
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 642 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.234 Y: 0.172

Color Temperature

0 K

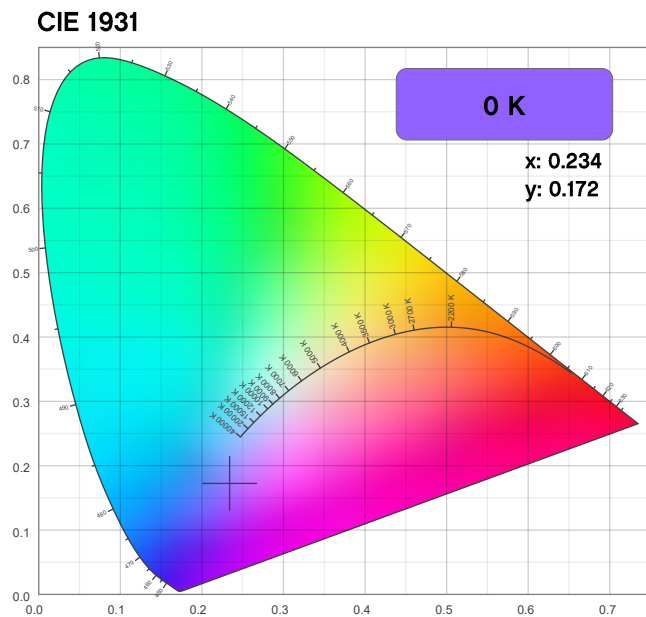
Light Quality

CRI: 0.0

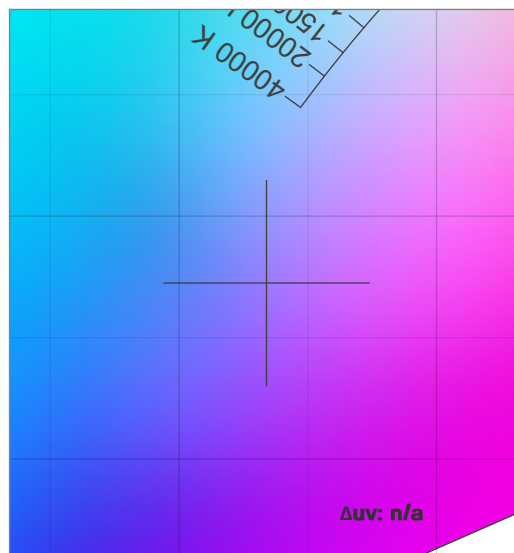
Notes:

Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.234	0.172

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.172	0.203

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

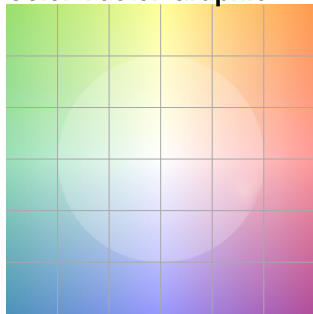
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

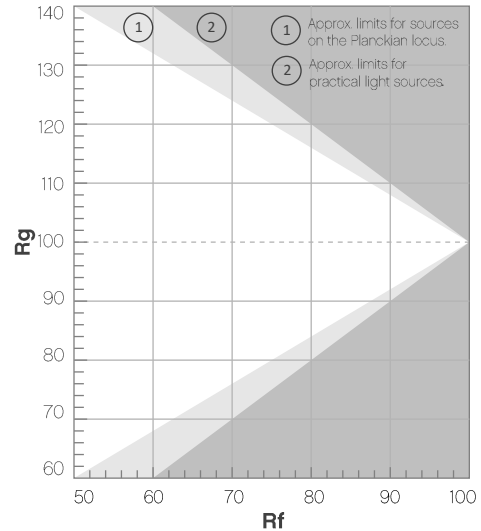
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 1594 lm

Peak Intensity: 332045 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 8771K

Δuv : -0.0038

CRI: 74.3 CRI R9 Value: -31.3

CQS: 86.1

TLCI: 64

TM-30-18 Rf: 77.3

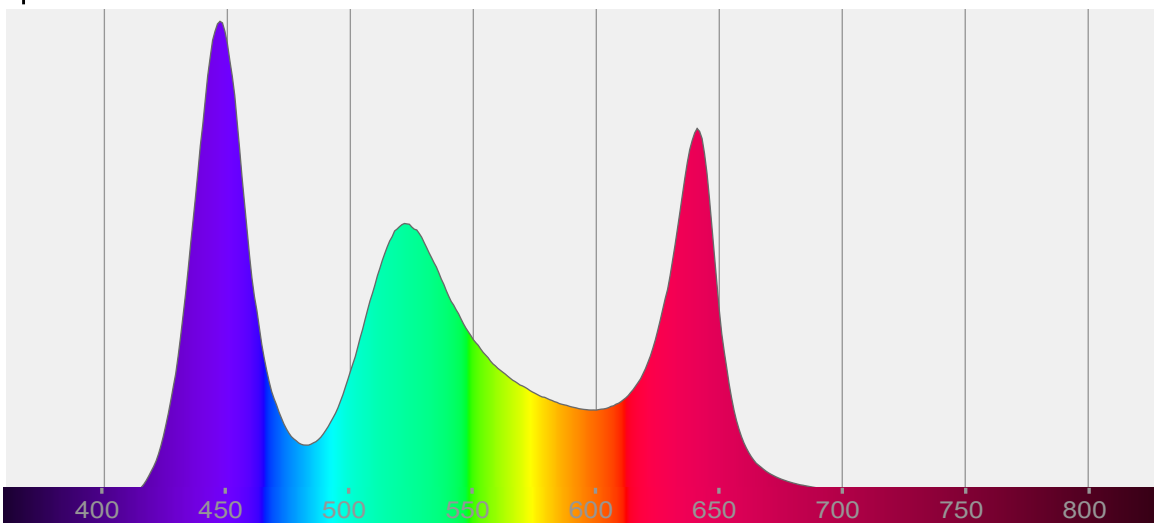
TM-30-18 Rg: 114.8

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

8771 K

CIE 1931 Coordinates:

X: 0.289 Y: 0.297

Color Temperature

8771 K

Light Quality

CRI: 74.3

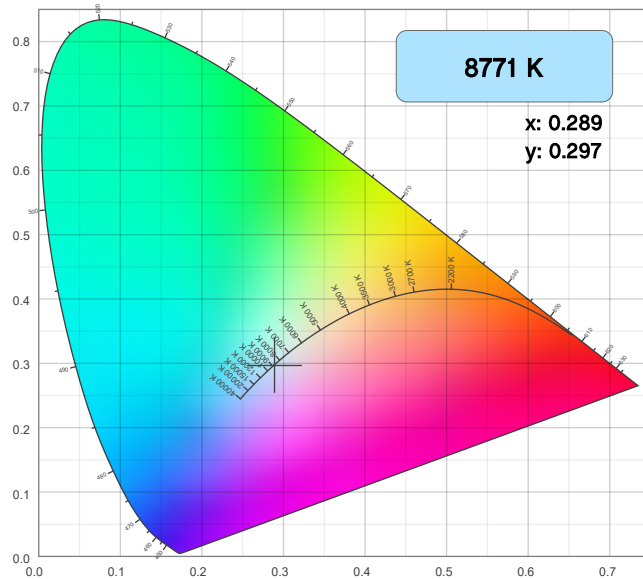
Notes:

Chromaticity Report

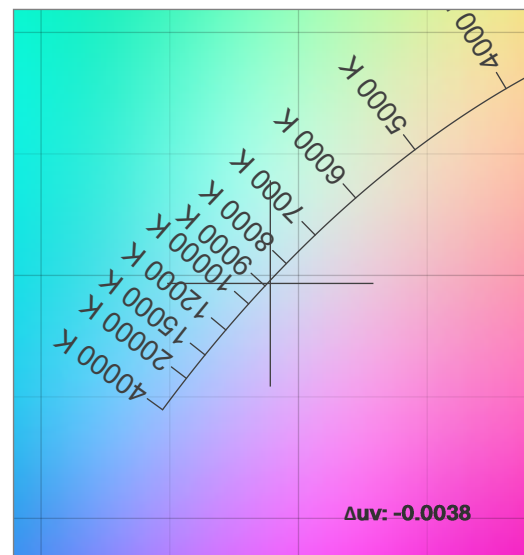
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

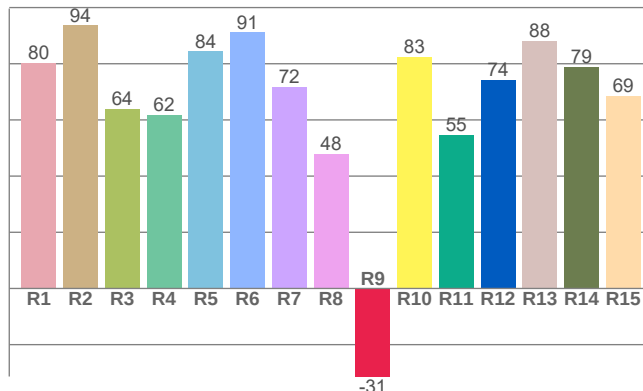
CIE 1931



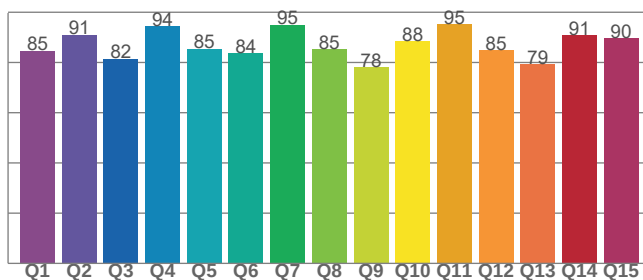
CIE 1931 - Zoom



CRI: 74.3 (R1-R8)



CQS: 86.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8771 K	0.289	0.297

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0038	0.297	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.3	-31.3	86.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
64	77.3	114.8

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

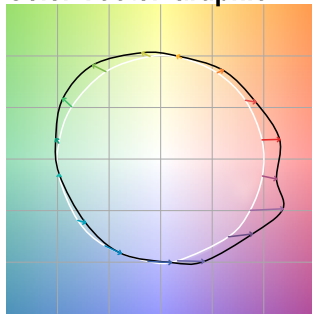
Rf 77.3

Fidelity Index
(R_f)

Rg 114.8

Gamut Index (R_g)

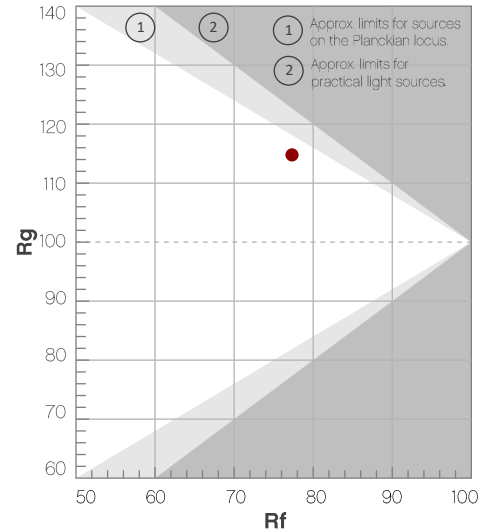
Color Vector Graphic



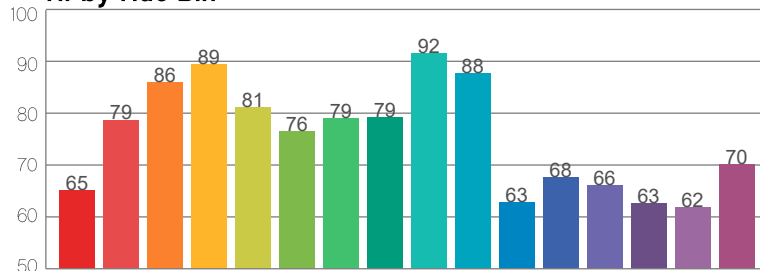
Color Distortion Graphic



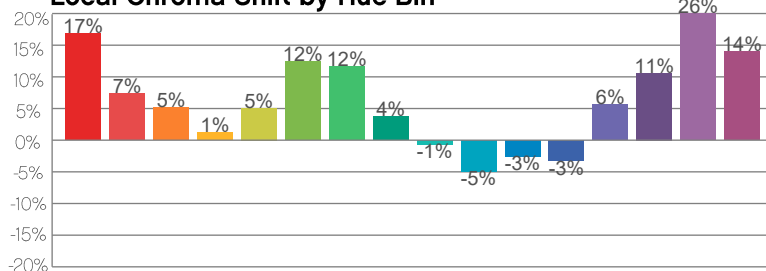
Hue Bin	R _f	Chroma Shift	Hue Shift
1	65	17%	-3%
2	79	7%	-7%
3	86	5%	-3%
4	89	1%	5%
5	81	5%	7%
6	76	12%	7%
7	79	12%	-2%
8	79	4%	-4%
9	92	-1%	-2%
10	88	-5%	6%
11	63	-3%	17%
12	68	-3%	22%
13	66	6%	25%
14	63	11%	21%
15	62	26%	19%
16	70	14%	0%



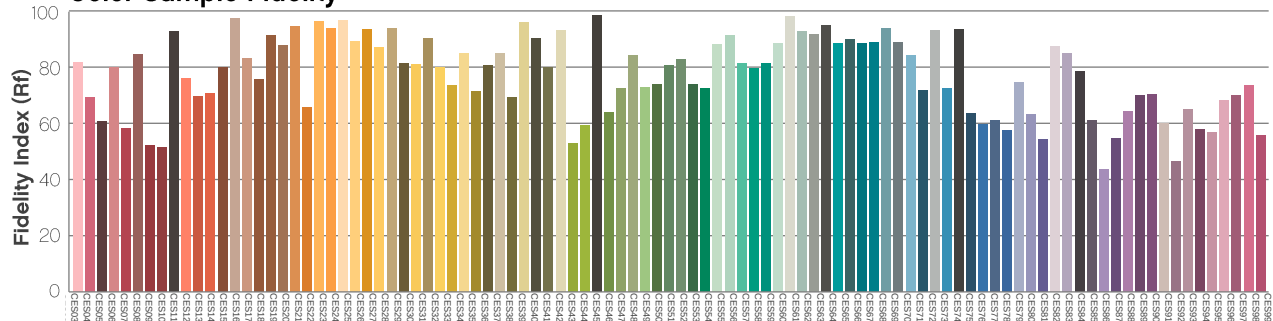
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 1668 lm

Peak Intensity: 351549 cd

Fixture Efficacy: 5 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

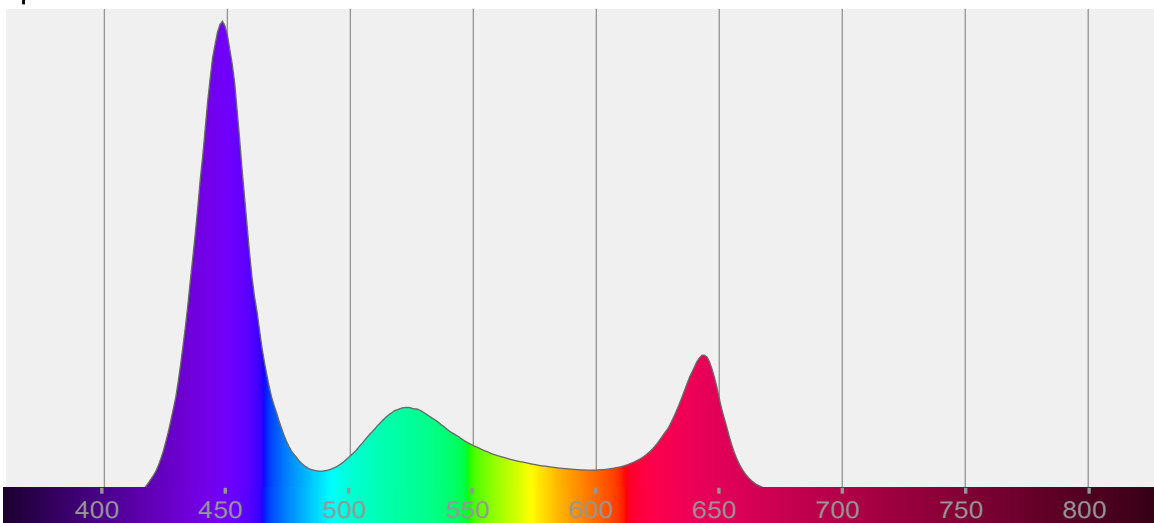
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.231 Y: 0.172

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

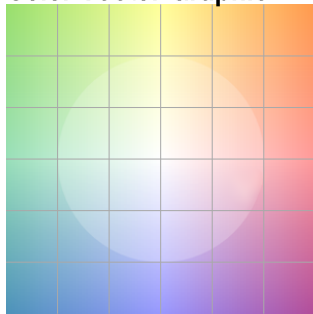
Rf 0.0

Fidelity Index
(R_f)

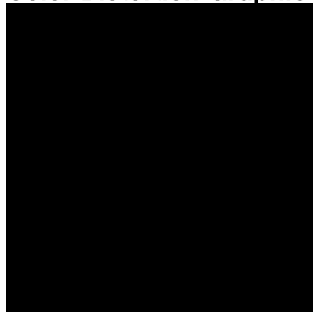
Rg 0.0

Gamut Index (R_g)

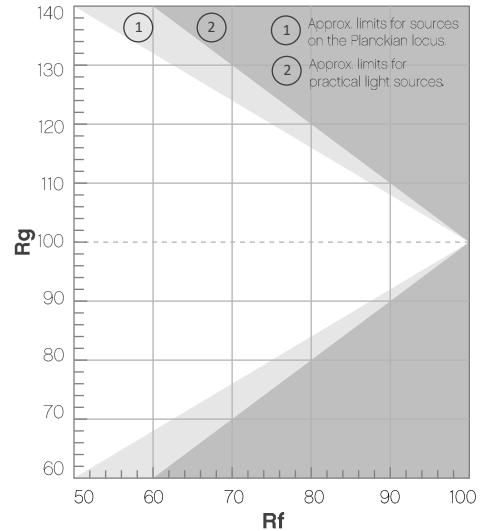
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



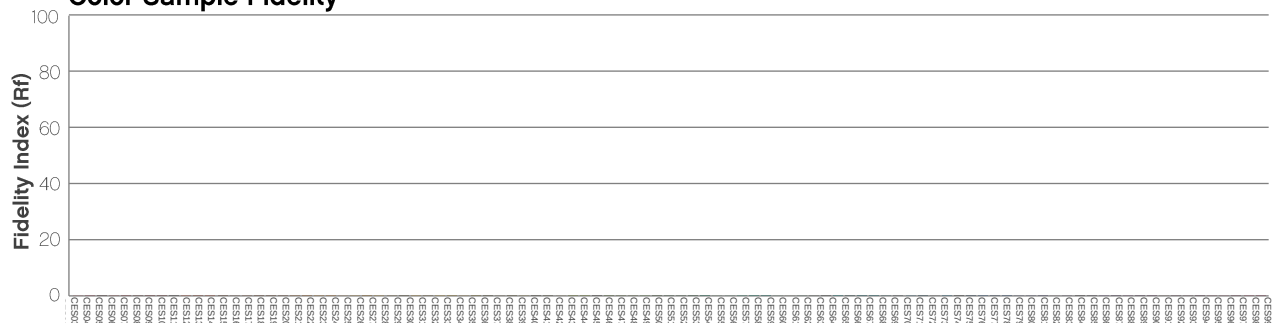
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 1550 lm

Peak Intensity: 325813 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 8906K

Δuv : -0.0030

CRI: 75.1 CRI R9 Value: -27.3

CQS: 86.3

TLCI: 65

TM-30-18 Rf: 77.7

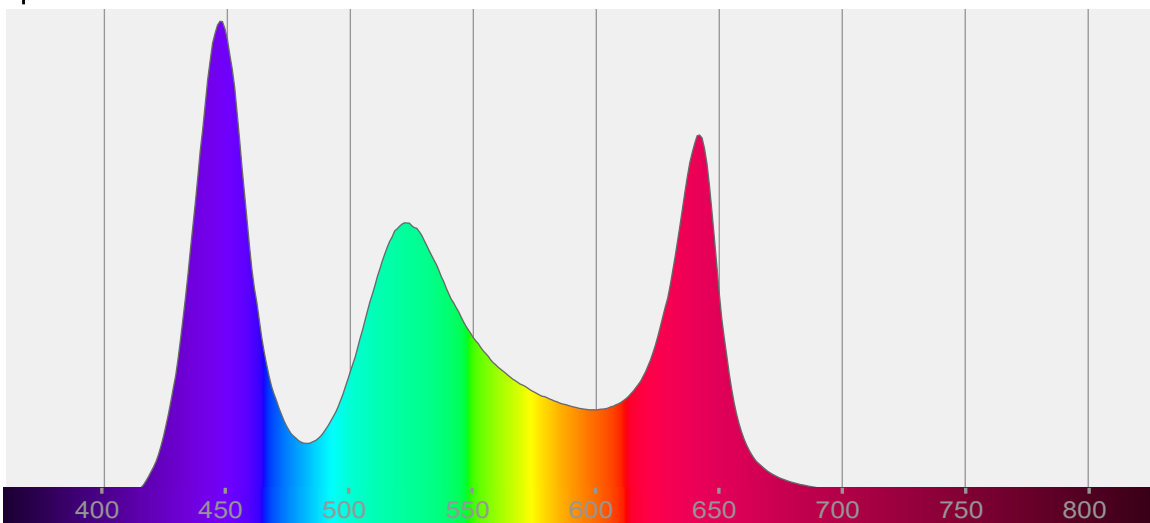
TM-30-18 Rg: 114.3

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 642 nm



Spectral Distribution



Tested Color

8906 K

CIE 1931 Coordinates:

X: 0.288 Y: 0.297

Color Temperature

8906 K

Light Quality

CRI: 75.1

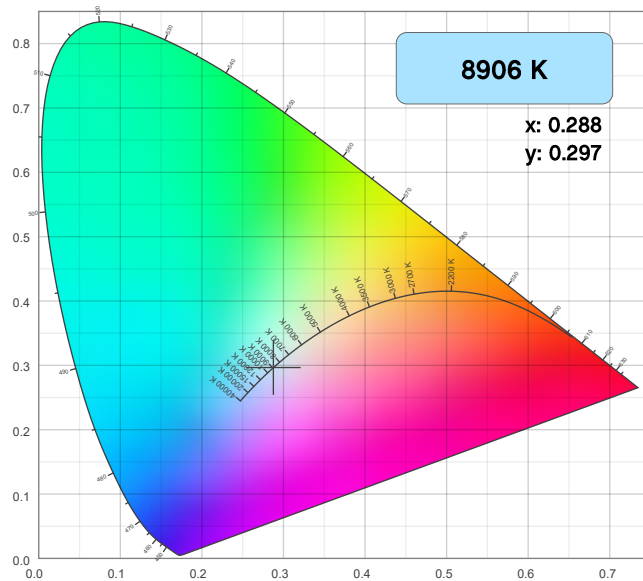
Notes:

Chromaticity Report

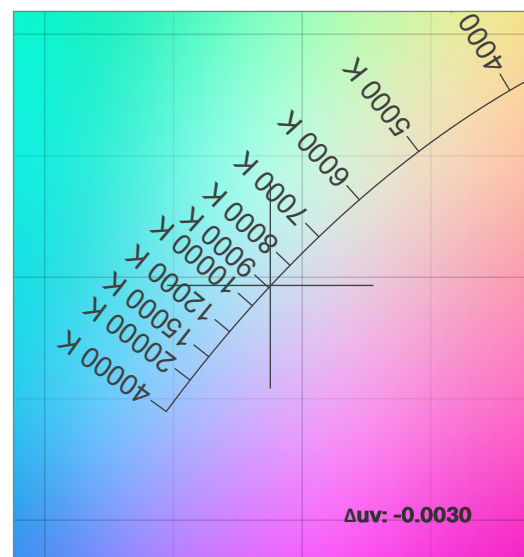
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

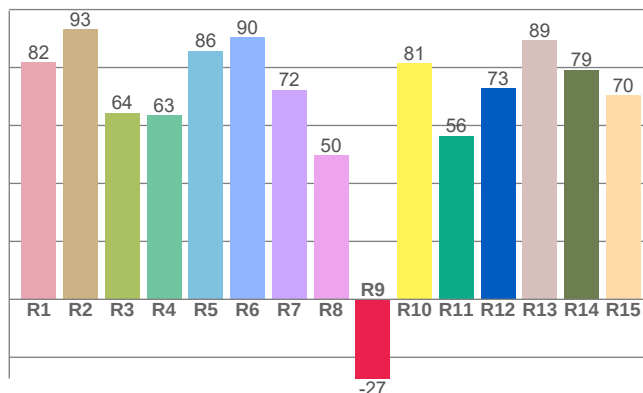
CIE 1931



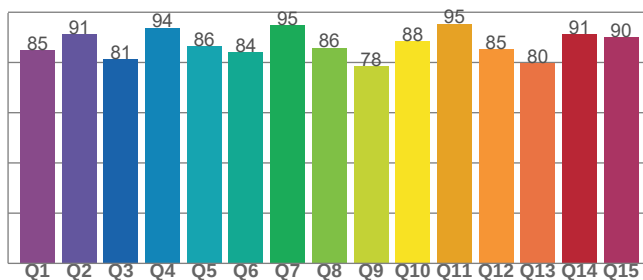
CIE 1931 - Zoom



CRI: 75.1 (R1-R8)



CQS: 86.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8906 K	0.288	0.297

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0030	0.297	0.192

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
75.1	-27.3	86.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
65	77.7	114.3

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

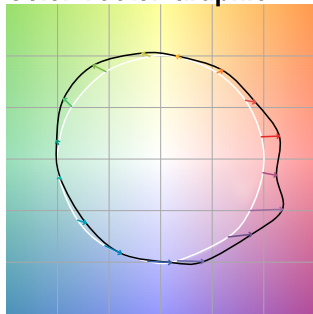
Rf 77.7

Fidelity Index
(R_f)

Rg 114.3

Gamut Index (R_g)

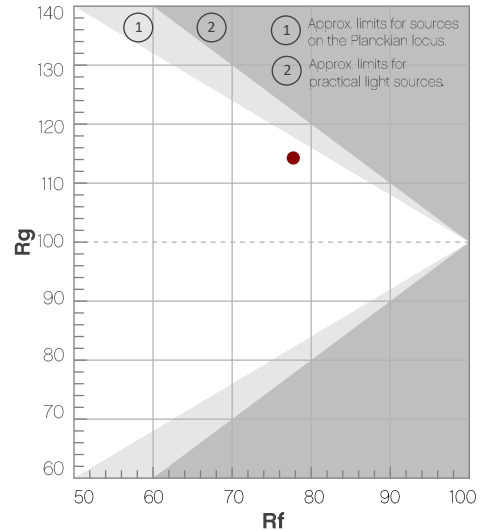
Color Vector Graphic



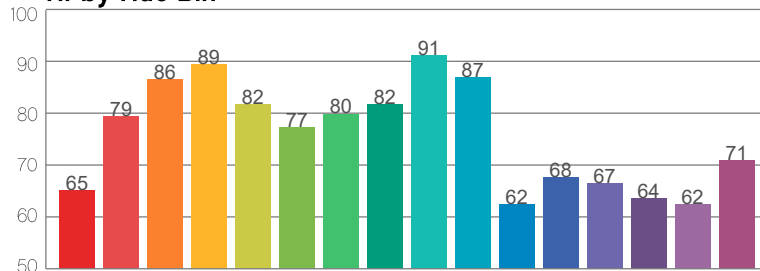
Color Distortion Graphic



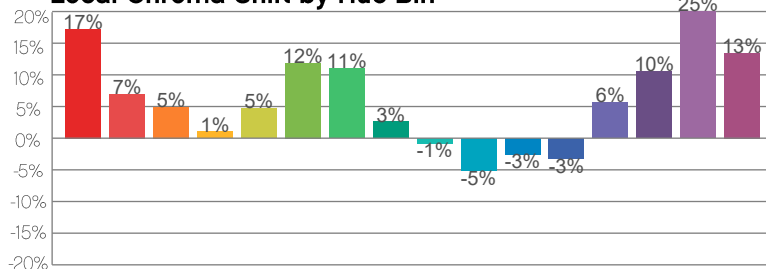
Hue Bin	R _f	Chroma Shift	Hue Shift
1	65	17%	-3%
2	79	7%	-7%
3	86	5%	-3%
4	89	1%	5%
5	82	5%	7%
6	77	12%	7%
7	80	11%	-2%
8	82	3%	-3%
9	91	-1%	-2%
10	87	-5%	7%
11	62	-3%	17%
12	68	-3%	22%
13	67	6%	25%
14	64	10%	20%
15	62	25%	18%
16	71	13%	0%



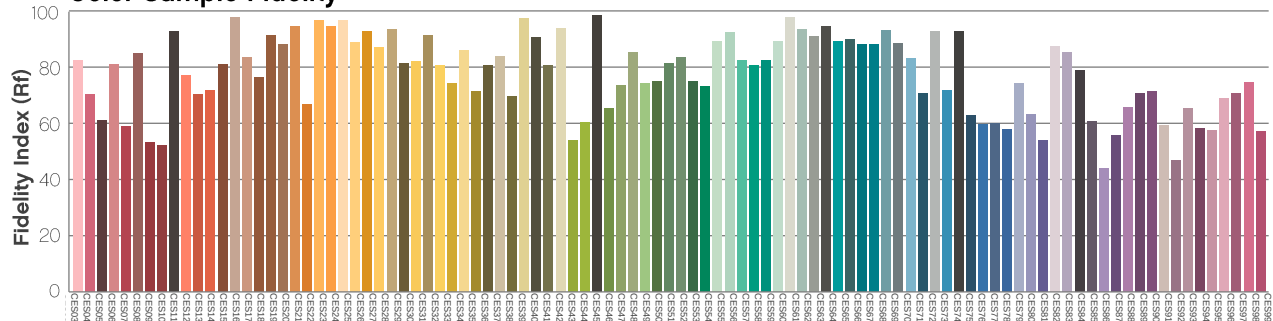
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

Report Summary

Measurements

Total Lumens: 1625 lm

Peak Intensity: 354723 cd

Fixture Efficacy: 5 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

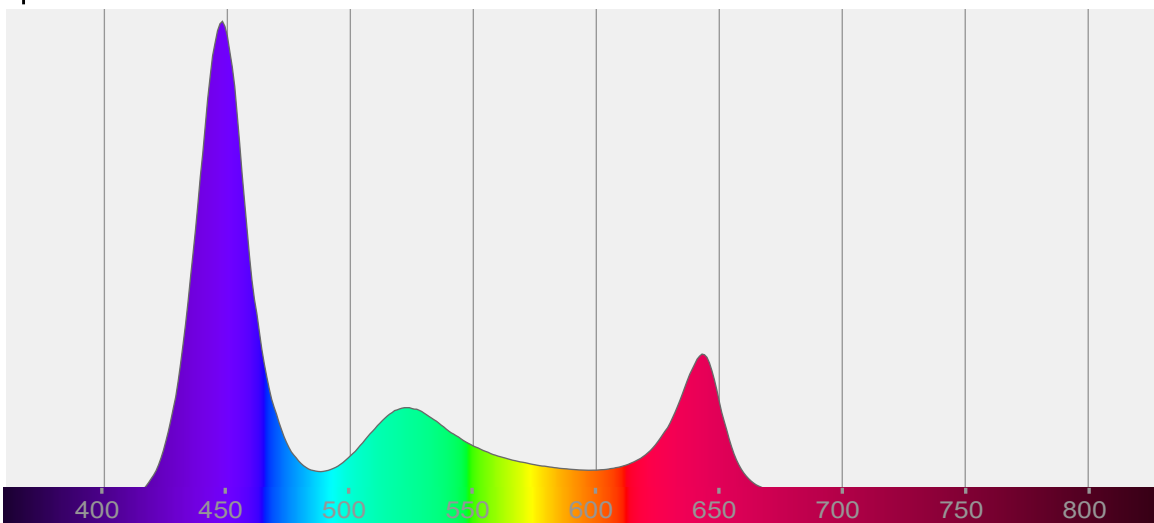
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.232 Y: 0.172

Color Temperature

0 K

Light Quality

CRI: 0.0

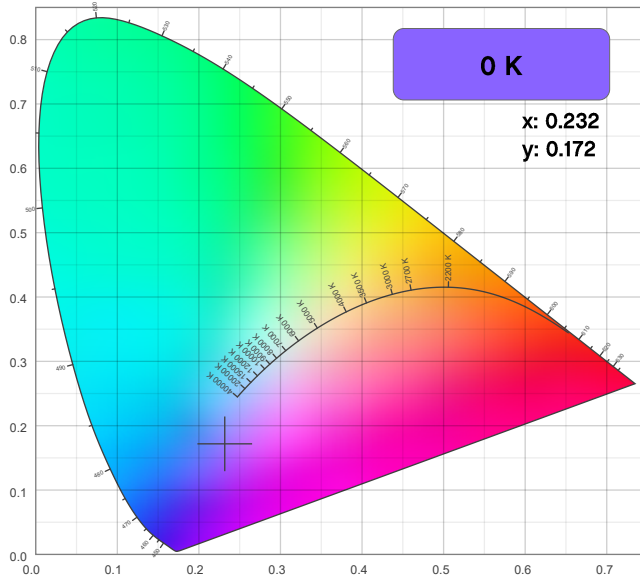
Notes:

Chromaticity Report

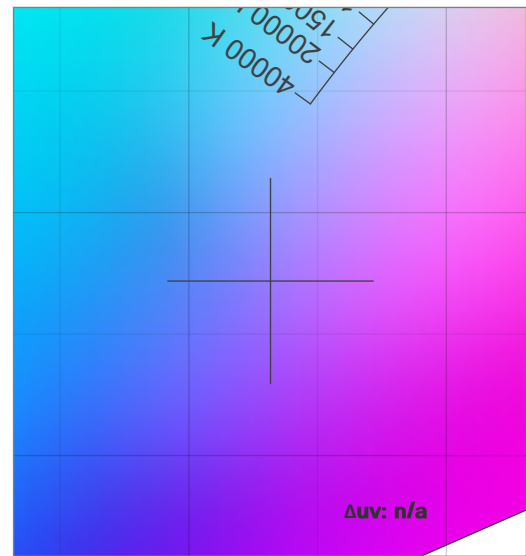
Rogue Outcast 1 BW: Full Power-w/Ring On

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.232	0.172

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.172	0.202

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring On

TM-30-18 Details

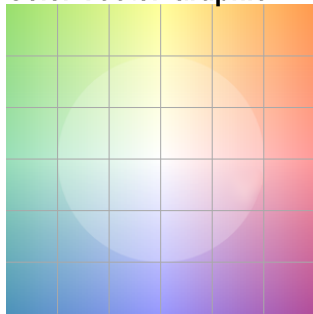
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

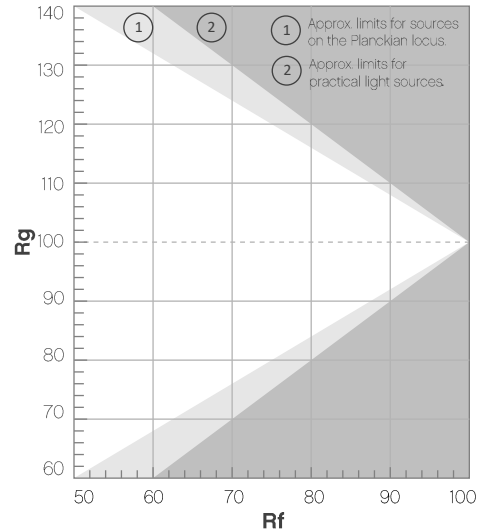
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 3841 lm

Peak Intensity: 11269 cd

Fixture Efficacy: 15 lm/W

Correlated Color Temperature: 7558K

Δuv : -0.0053

CRI: 72.8 CRI R9 Value: -39.1

CQS: 85.5

TLCI: 63

TM-30-18 Rf: 76.8

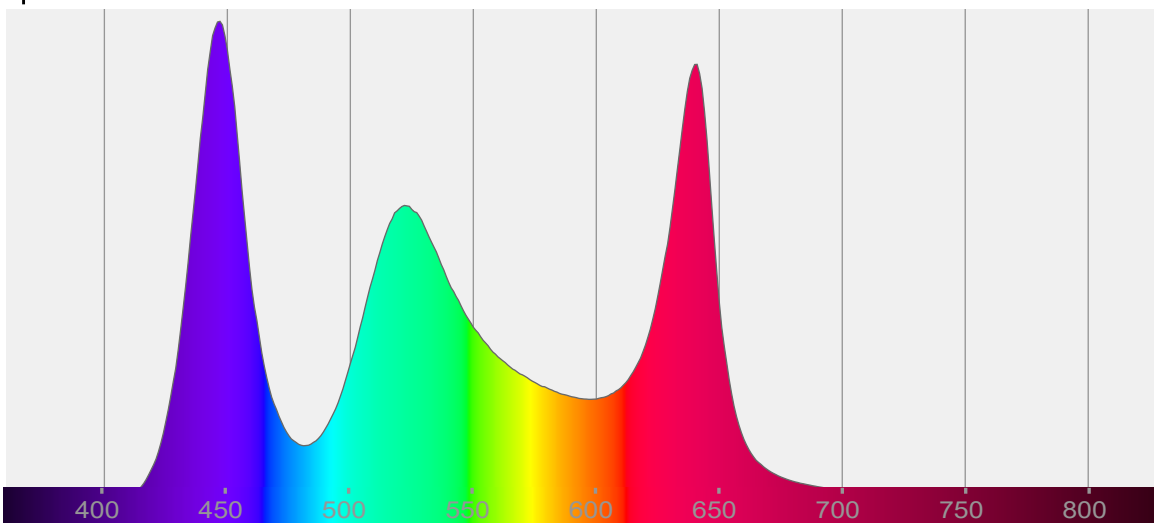
TM-30-18 Rg: 116.9

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

7558 K

CIE 1931 Coordinates:

X: 0.301 Y: 0.307

Color Temperature

7558 K

Light Quality

CRI: 72.8

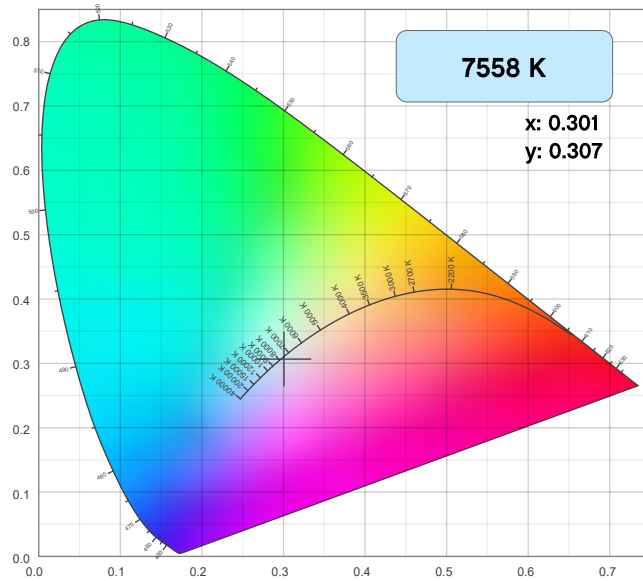
Notes:

Chromaticity Report

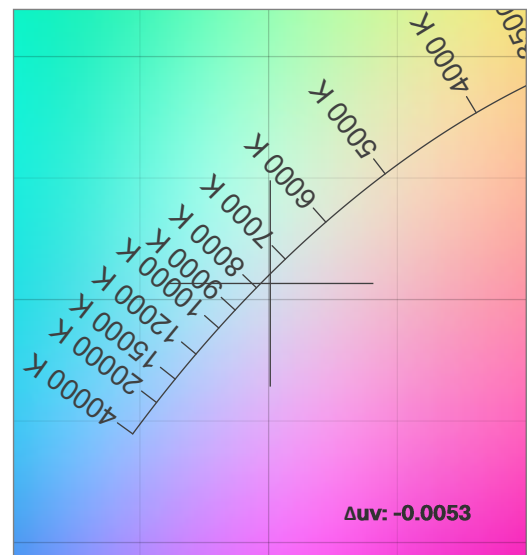
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

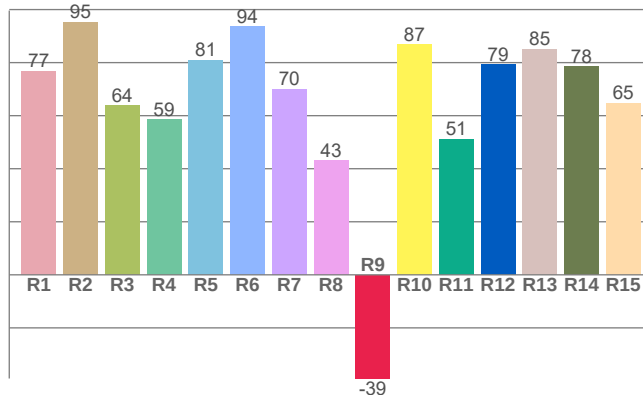
CIE 1931



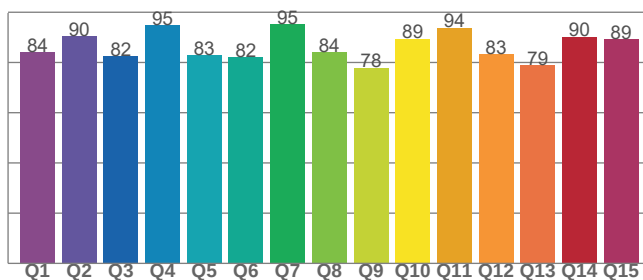
CIE 1931 - Zoom



CRI: 72.8 (R1-R8)



CQS: 85.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7558 K	0.301	0.307

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0053	0.307	0.198

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.8	-39.1	85.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
63	76.8	116.9

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

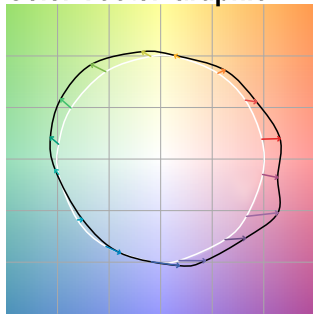
Rf 76.8

Fidelity Index
(R_f)

Rg 116.9

Gamut Index (R_g)

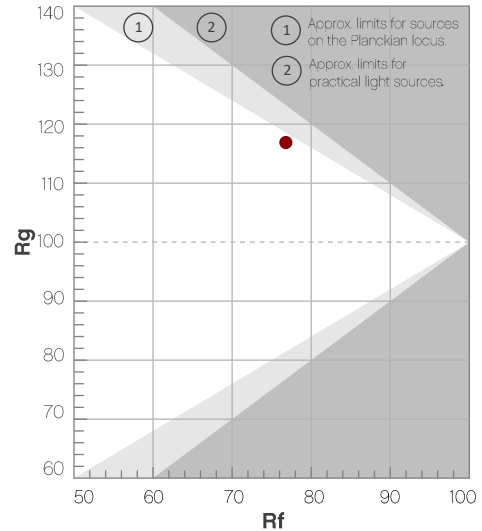
Color Vector Graphic



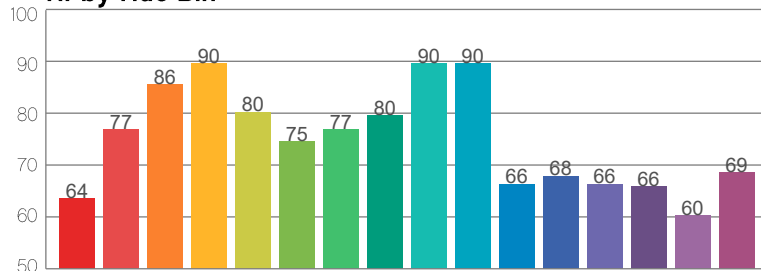
Color Distortion Graphic



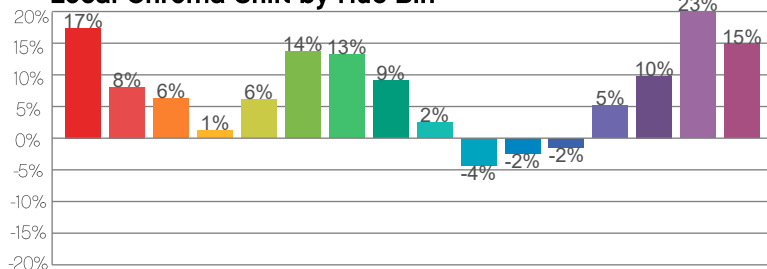
Hue Bin	R _f	Chroma Shift	Hue Shift
1	64	17%	-3%
2	77	8%	-7%
3	86	6%	-4%
4	90	1%	5%
5	80	6%	7%
6	75	14%	8%
7	77	13%	-2%
8	80	9%	-5%
9	90	2%	-5%
10	90	-4%	2%
11	66	-2%	15%
12	68	-2%	27%
13	66	5%	25%
14	66	10%	17%
15	60	23%	20%
16	69	15%	0%



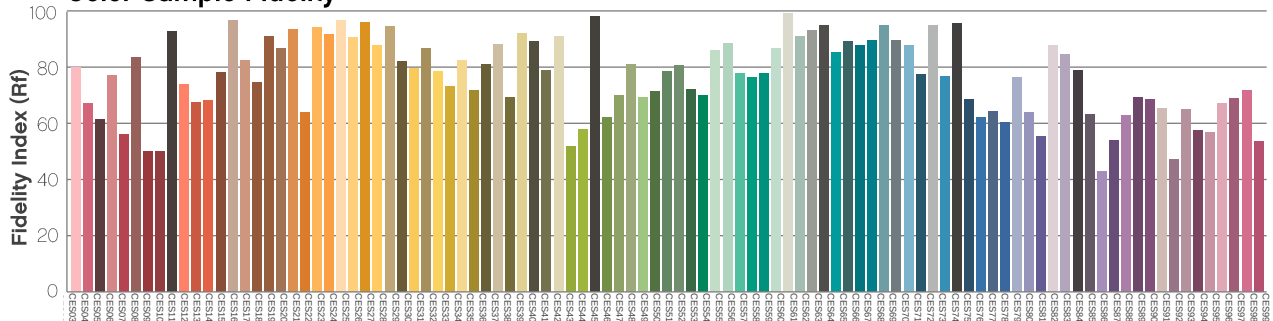
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 4154 lm

Peak Intensity: 12379 cd

Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

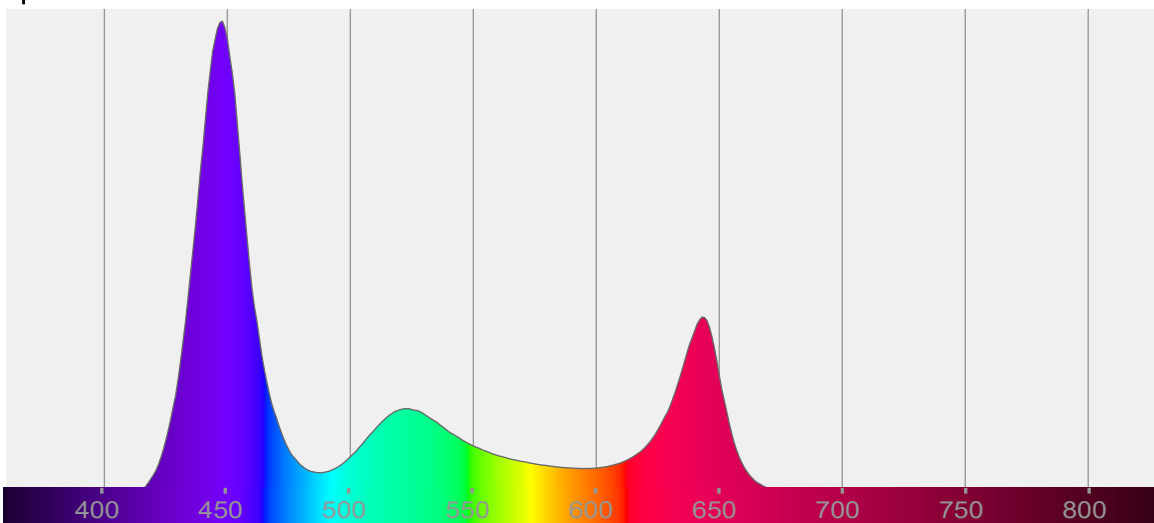
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.241 Y: 0.174

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

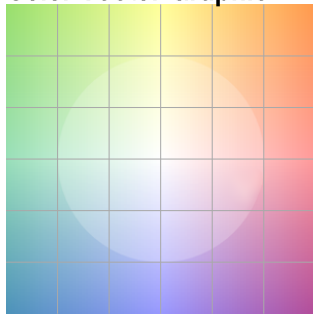
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

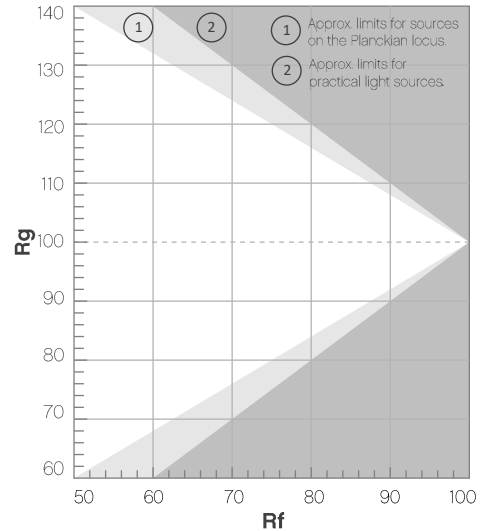
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 3775 lm

Peak Intensity: 11102 cd

Fixture Efficacy: 15 lm/W

Correlated Color Temperature: 7681K

Δuv : -0.0044

CRI: 73.5 CRI R9 Value: -35.6

CQS: 85.7

TLCI: 64

TM-30-18 Rf: 77.2

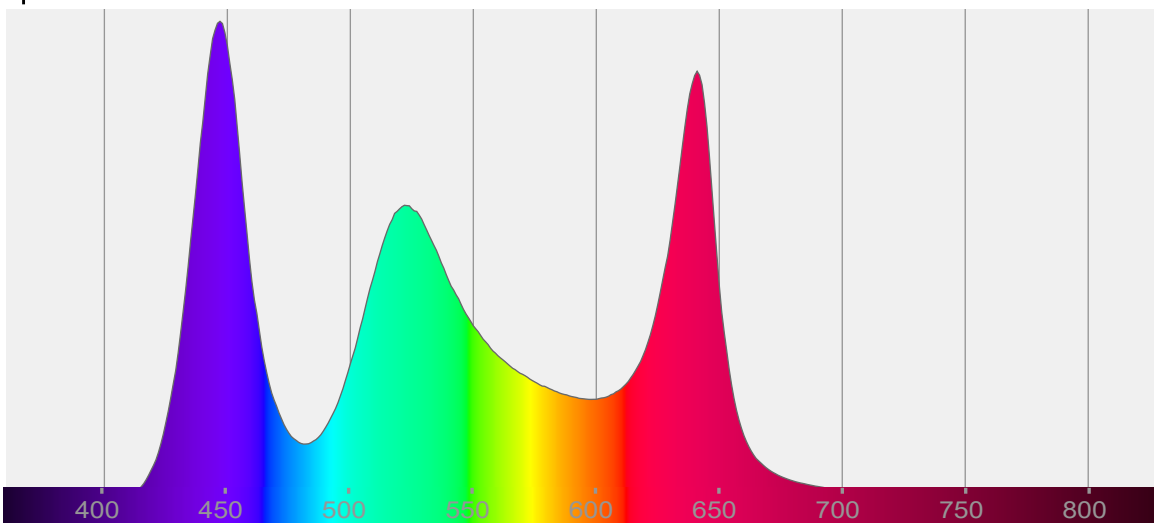
TM-30-18 Rg: 115.8

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

7681 K

CIE 1931 Coordinates:

X: 0.299 Y: 0.306

Color Temperature

7681 K

Light Quality

CRI: 73.5

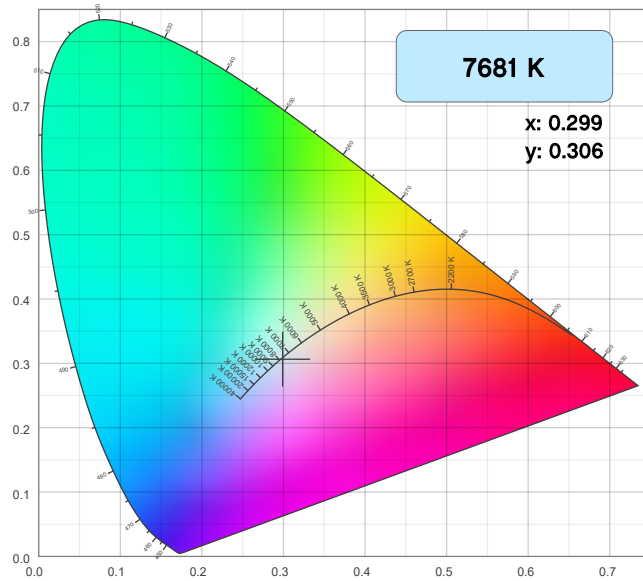
Notes:

Chromaticity Report

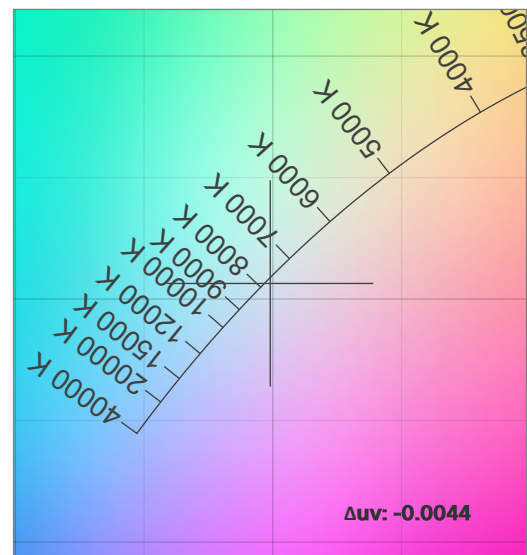
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

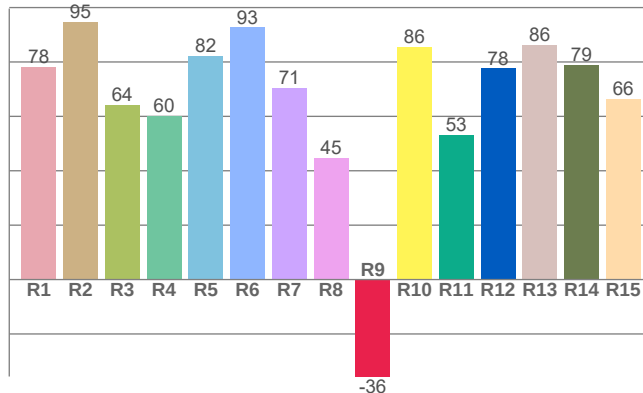
CIE 1931



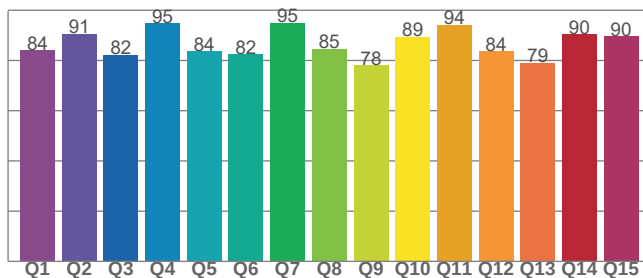
CIE 1931 - Zoom



CRI: 73.5 (R1-R8)



CQS: 85.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7681 K	0.299	0.306

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δu_v	y	u
-0.0044	0.306	0.197

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.5	-35.6	85.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
64	77.2	115.8

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

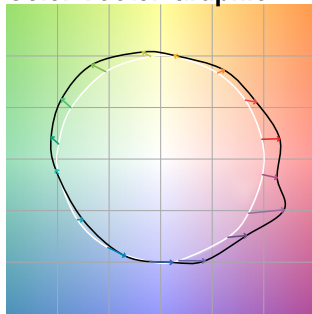
Rf 77.2

Fidelity Index
(R_f)

Rg 115.8

Gamut Index (R_g)

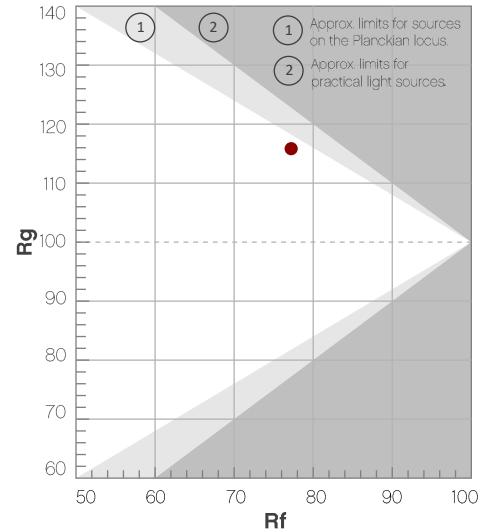
Color Vector Graphic



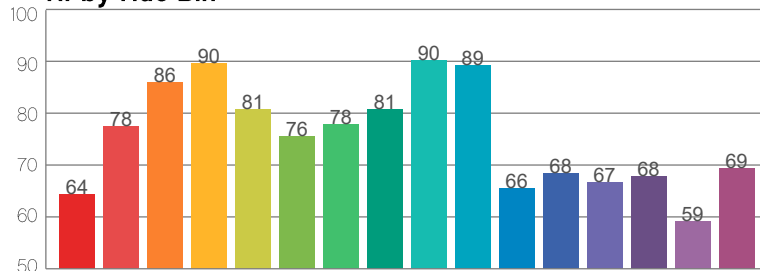
Color Distortion Graphic



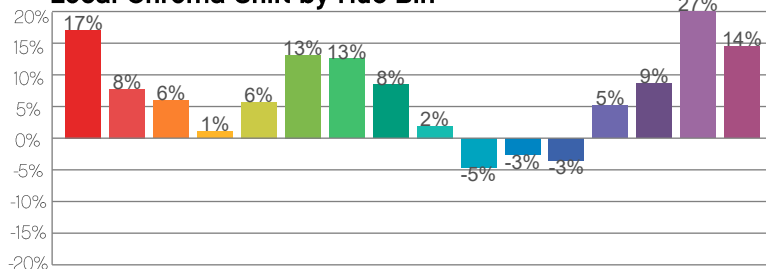
Hue Bin	R _f	Chroma Shift	Hue Shift
1	64	17%	-3%
2	78	8%	-7%
3	86	6%	-4%
4	90	1%	5%
5	81	6%	7%
6	76	13%	7%
7	78	13%	-2%
8	81	8%	-5%
9	90	2%	-5%
10	89	-5%	3%
11	66	-3%	19%
12	68	-3%	22%
13	67	5%	25%
14	68	9%	16%
15	59	27%	22%
16	69	14%	0%



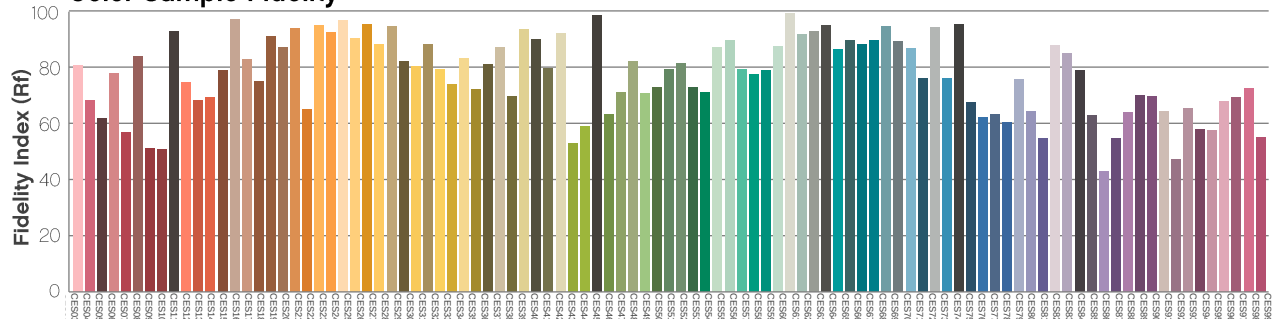
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 3986 lm

Peak Intensity: 11828 cd

Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

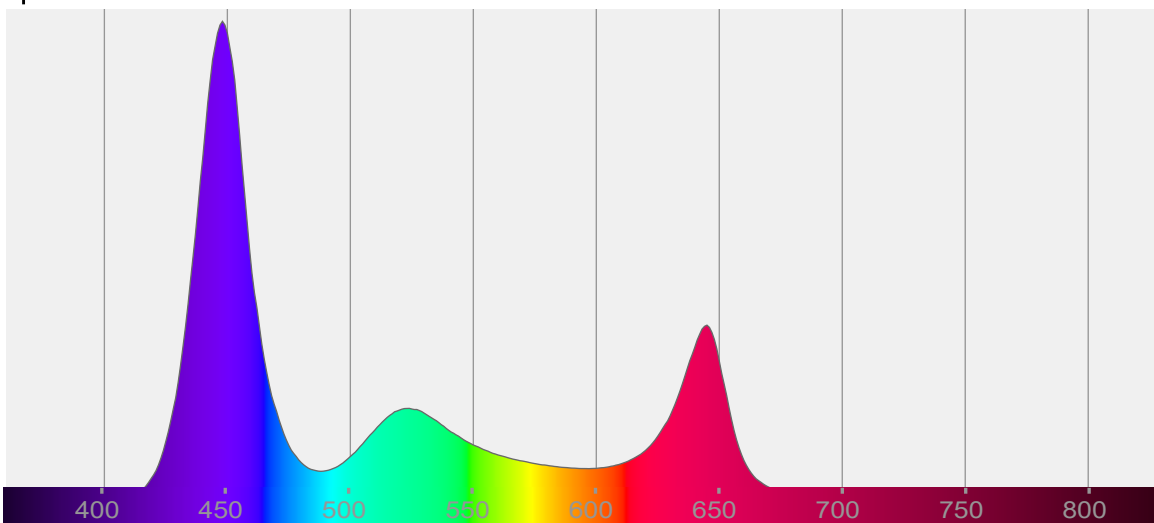
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 645 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.238 Y: 0.174

Color Temperature

0 K

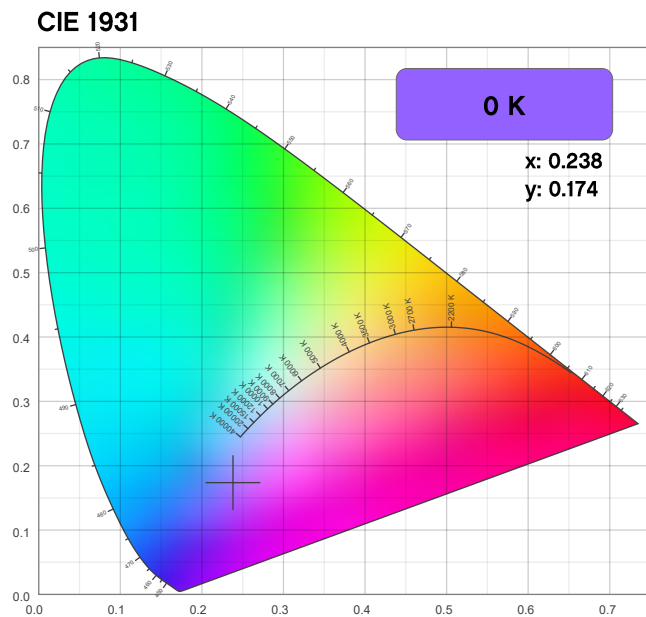
Light Quality

CRI: 0.0

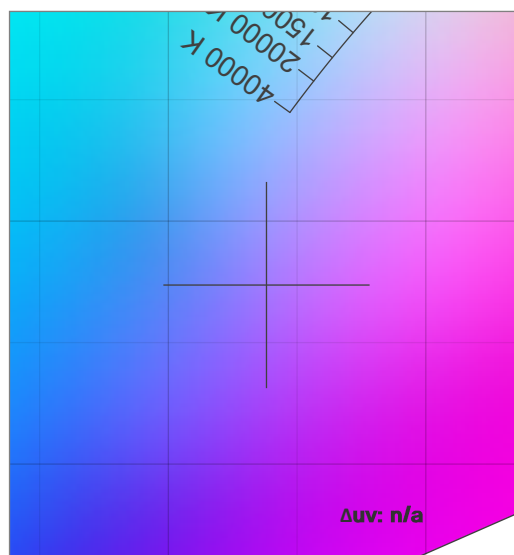
Notes:

Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.238	0.174

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.174	0.207

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

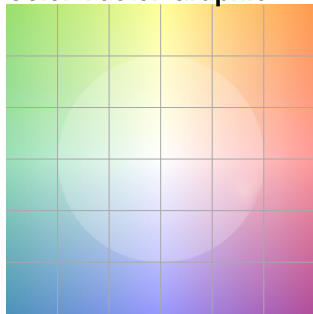
Rf 0.0

Fidelity Index
(R_f)

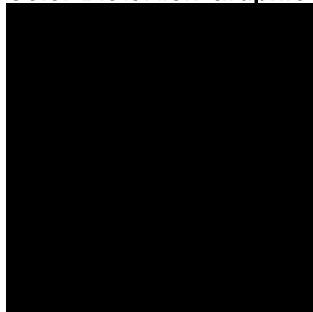
Rg 0.0

Gamut Index (R_g)

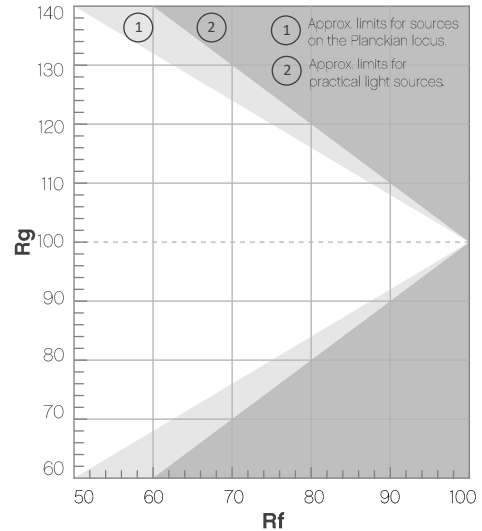
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

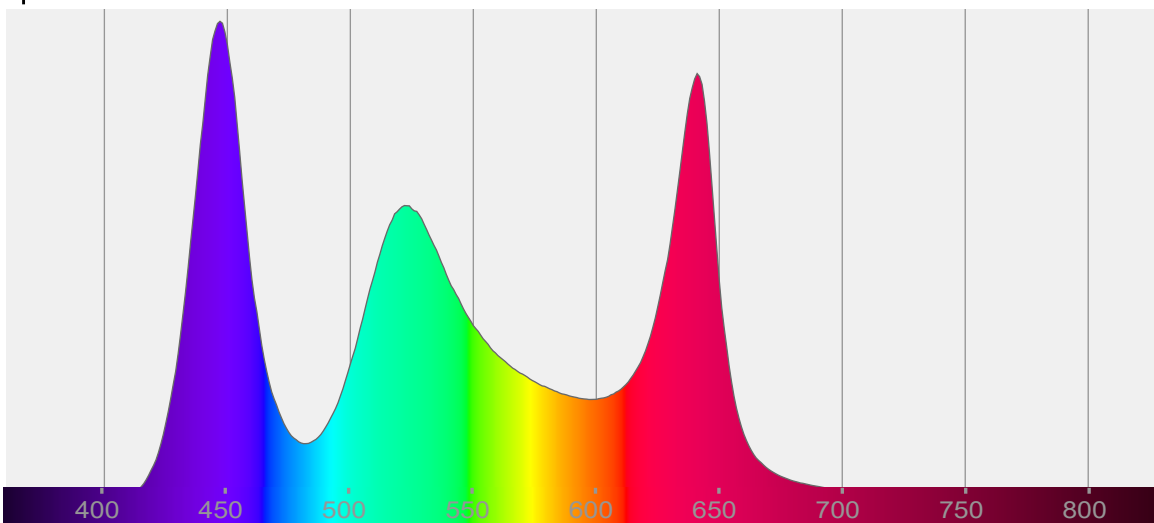
Total Lumens: 3749 lm
Peak Intensity: 11038 cd
Fixture Efficacy: 15 lm/W

Correlated Color Temperature: 7715K
 Δuv : -0.0042

CRI: 73.7 CRI R9 Value: -34.7
CQS: 85.8
TLCI: 64
TM-30-18 Rf: 77.3
TM-30-18 Rg: 115.7
1st Dominant Wavelength: 447 nm
2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

7715 K

CIE 1931 Coordinates:
X: 0.299 Y: 0.306

Color Temperature

7715 K

Light Quality

CRI: 73.7

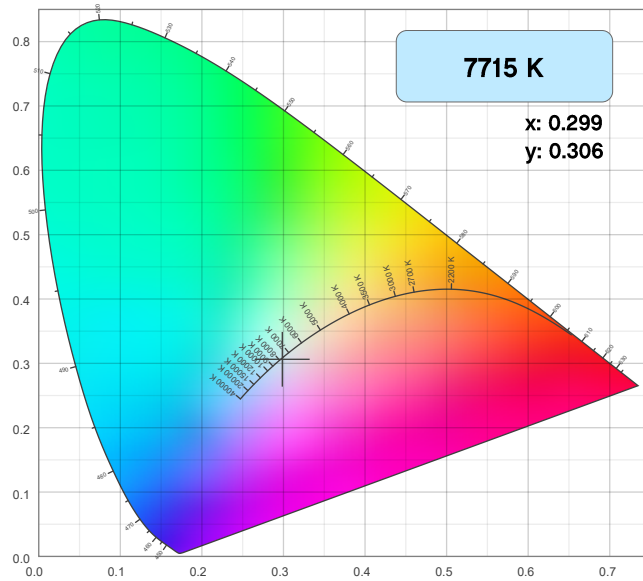
Notes:

Chromaticity Report

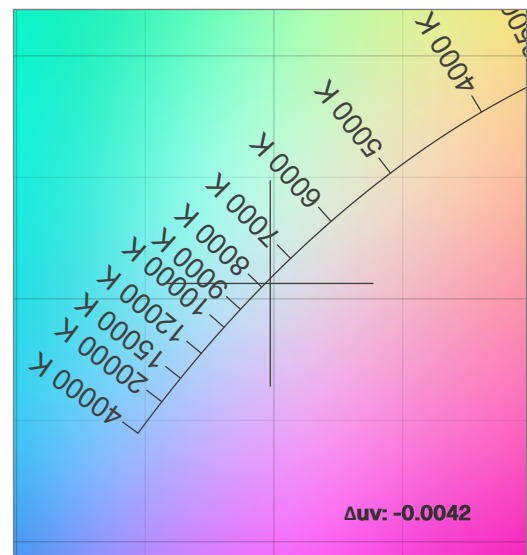
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

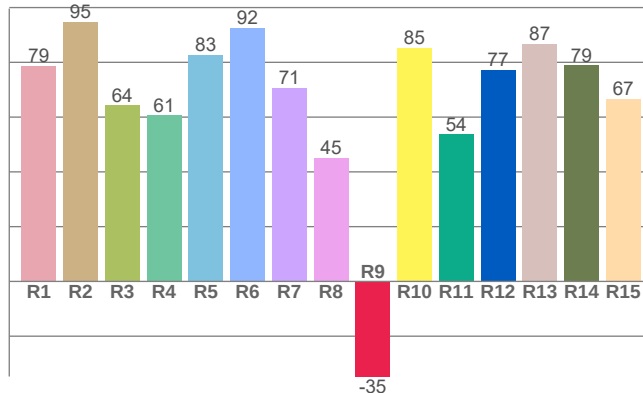
CIE 1931



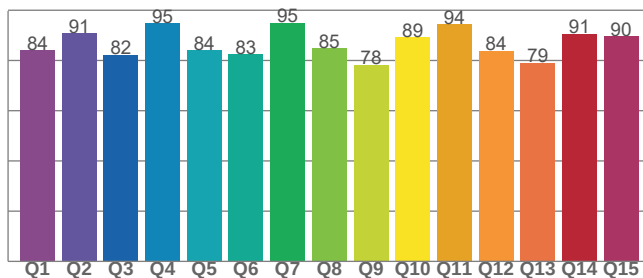
CIE 1931 - Zoom



CRI: 73.7 (R1-R8)



CQS: 85.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7715 K	0.299	0.306

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0042	0.306	0.196

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.7	-34.7	85.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
64	77.3	115.7

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

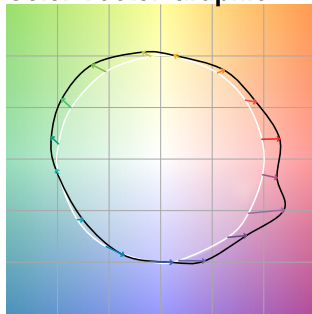
Rf 77.3

Fidelity Index
(R_f)

Rg 115.7

Gamut Index (R_g)

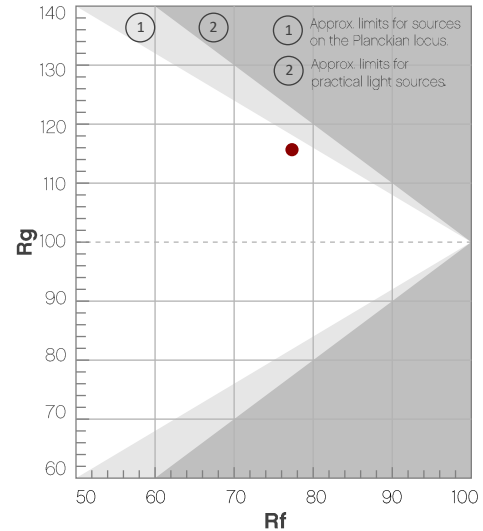
Color Vector Graphic



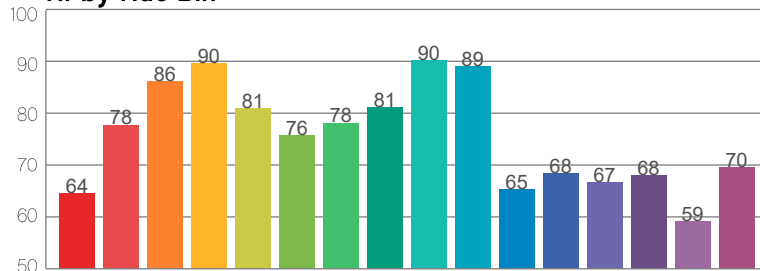
Color Distortion Graphic



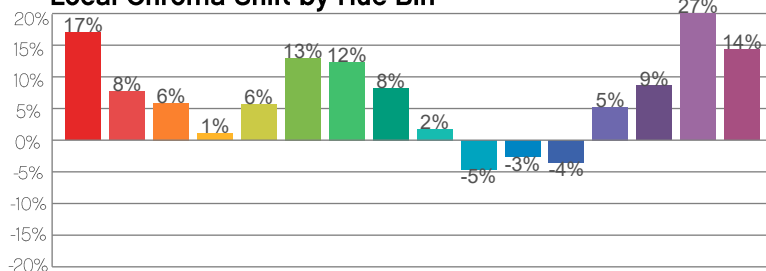
Hue Bin	R _f	Chroma Shift	Hue Shift
1	64	17%	-3%
2	78	8%	-7%
3	86	6%	-4%
4	90	1%	5%
5	81	6%	7%
6	76	13%	7%
7	78	12%	-2%
8	81	8%	-5%
9	90	2%	-4%
10	89	-5%	3%
11	65	-3%	19%
12	68	-4%	22%
13	67	5%	25%
14	68	9%	16%
15	59	27%	22%
16	70	14%	0%



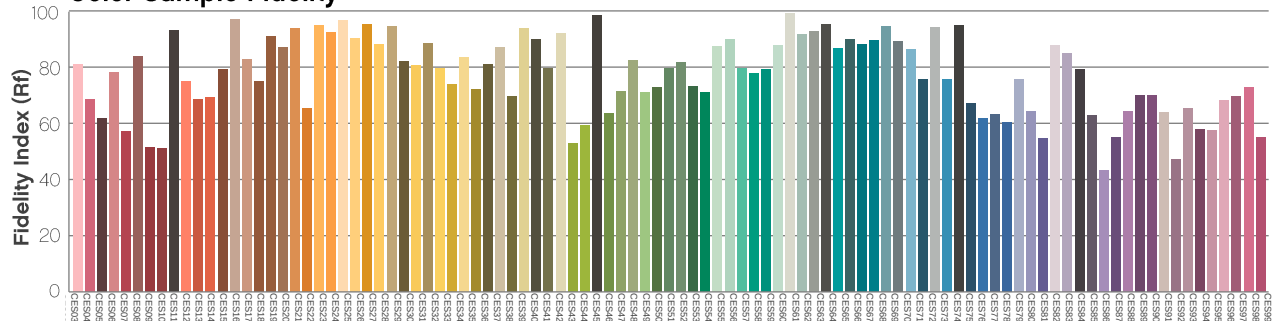
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

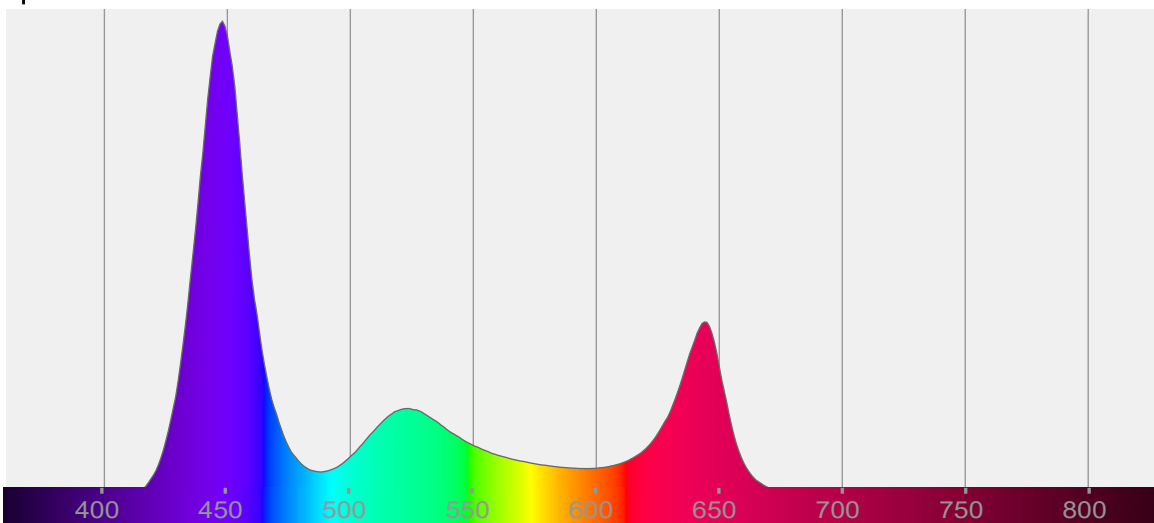
Total Lumens: 4070 lm
Peak Intensity: 12044 cd
Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 0K
 Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30-18 Rf: 0.0
TM-30-18 Rg: 0.0
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 644 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:
X: 0.239 Y: 0.174

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

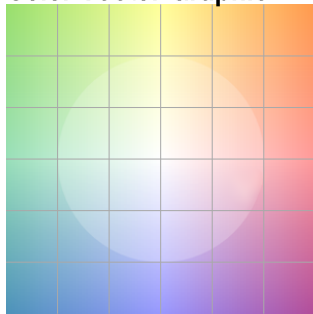
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

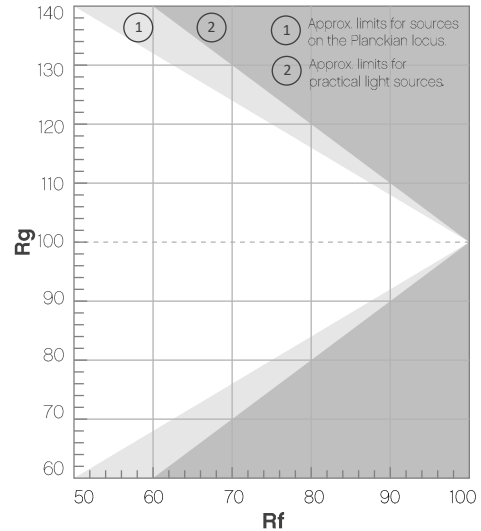
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

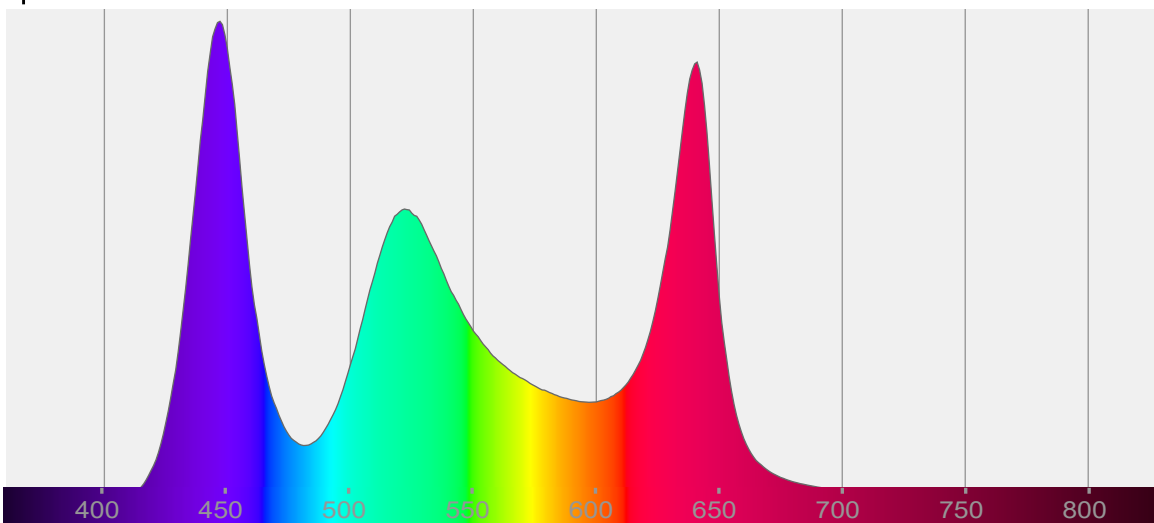
Total Lumens: 2671 lm
Peak Intensity: 40525 cd
Fixture Efficacy: 11 lm/W

Correlated Color Temperature: 7683K
 Δuv : -0.0060

CRI: 72.0 CRI R9 Value: -46.5
CQS: 85.1
TLCI: 61
TM-30-18 Rf: 76.3
TM-30-18 Rg: 117.0
1st Dominant Wavelength: 447 nm
2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

7683 K

CIE 1931 Coordinates:
X: 0.300 Y: 0.304

Color Temperature

7683 K

Light Quality

CRI: 72.0

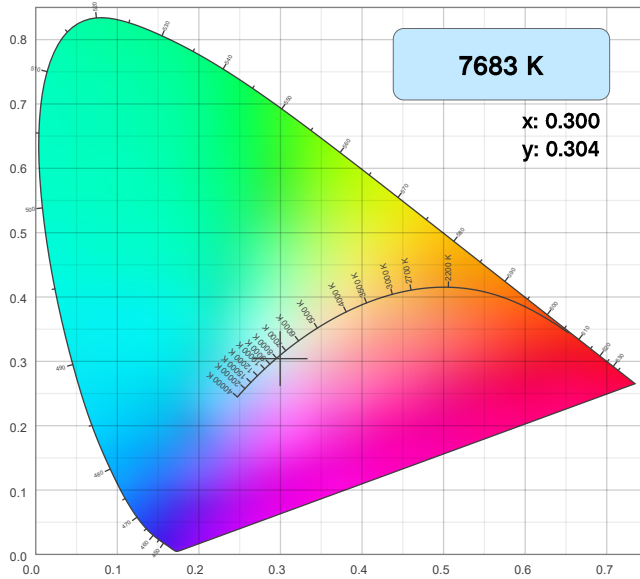
Notes:

Chromaticity Report

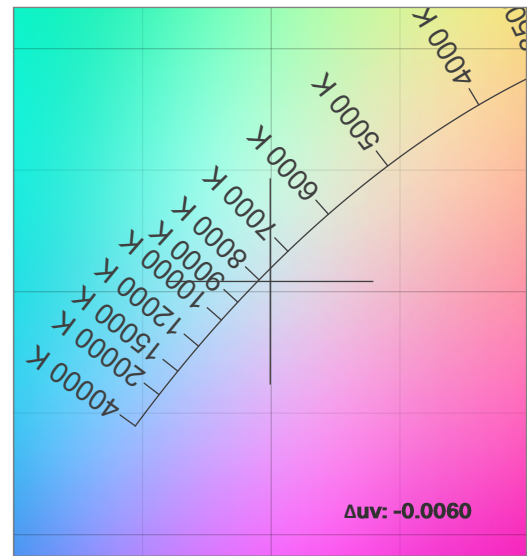
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

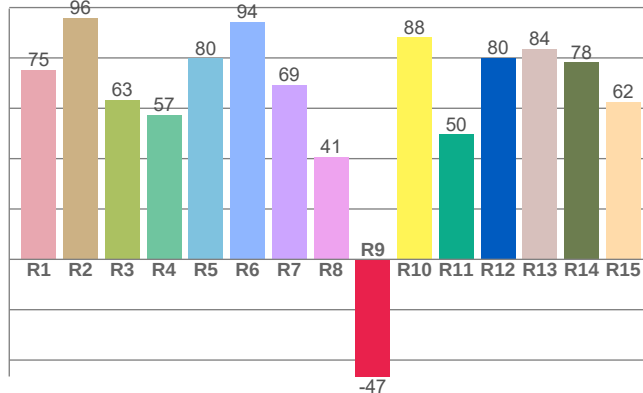
CIE 1931



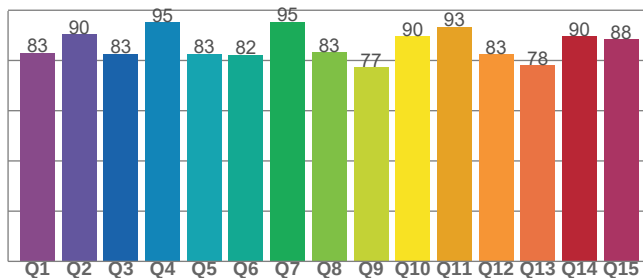
CIE 1931 - Zoom



CRI: 72.0 (R1-R8)



CQS: 85.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7683 K	0.300	0.304

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0060	0.304	0.198

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.0	-46.5	85.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
61	76.3	117.0

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

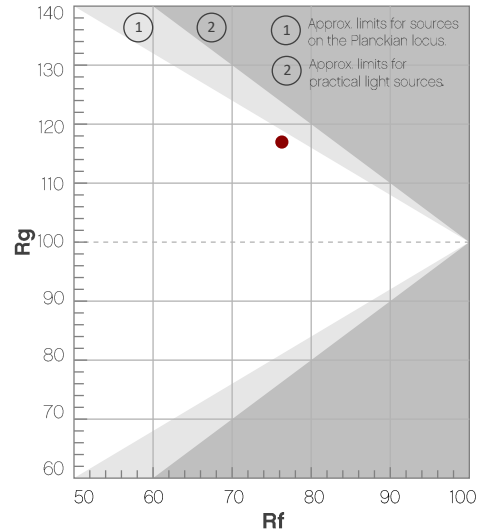
Rf 76.3

Fidelity Index
(R_f)

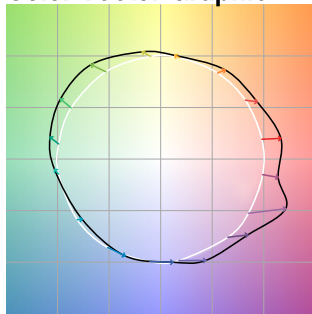
Rg 117.0

Gamut Index (R_g)

Hue Bin	R _f	Chroma Shift	Hue Shift
1	62	18%	-3%
2	76	9%	-8%
3	85	7%	-4%
4	90	1%	5%
5	80	6%	7%
6	74	14%	8%
7	77	13%	-1%
8	79	10%	-5%
9	89	3%	-5%
10	90	-4%	2%
11	66	-3%	18%
12	68	-4%	22%
13	65	5%	26%
14	66	9%	17%
15	57	28%	24%
16	68	15%	0%



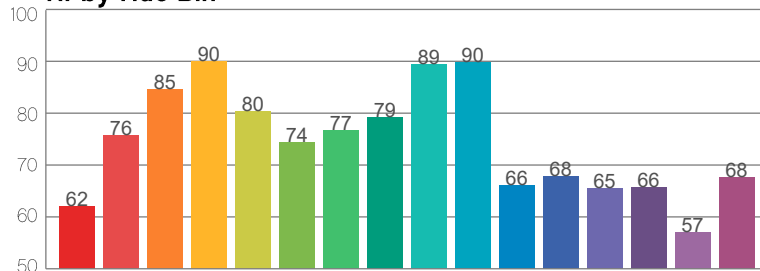
Color Vector Graphic



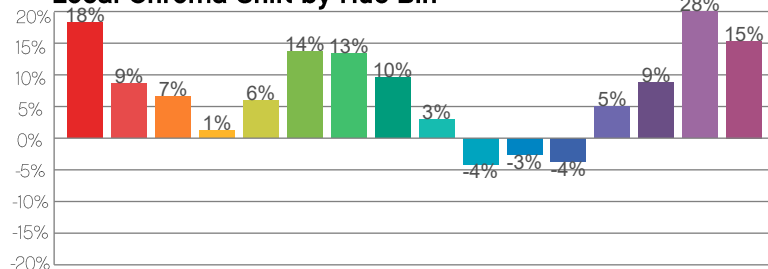
Color Distortion Graphic



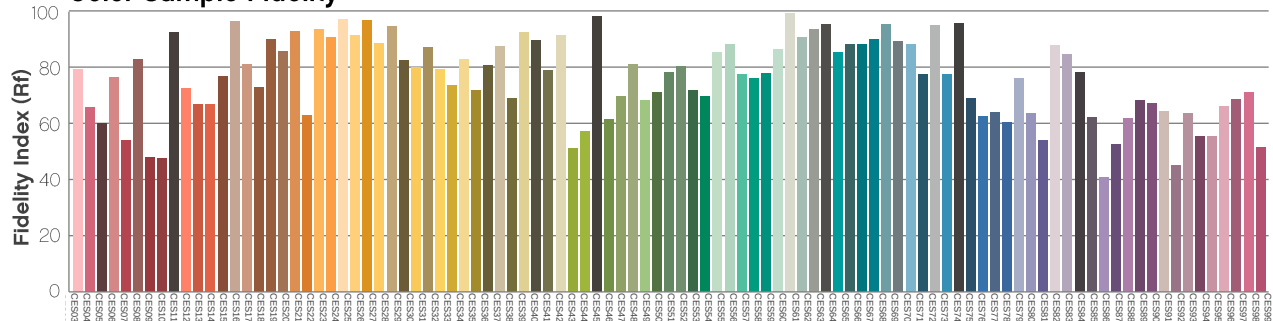
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

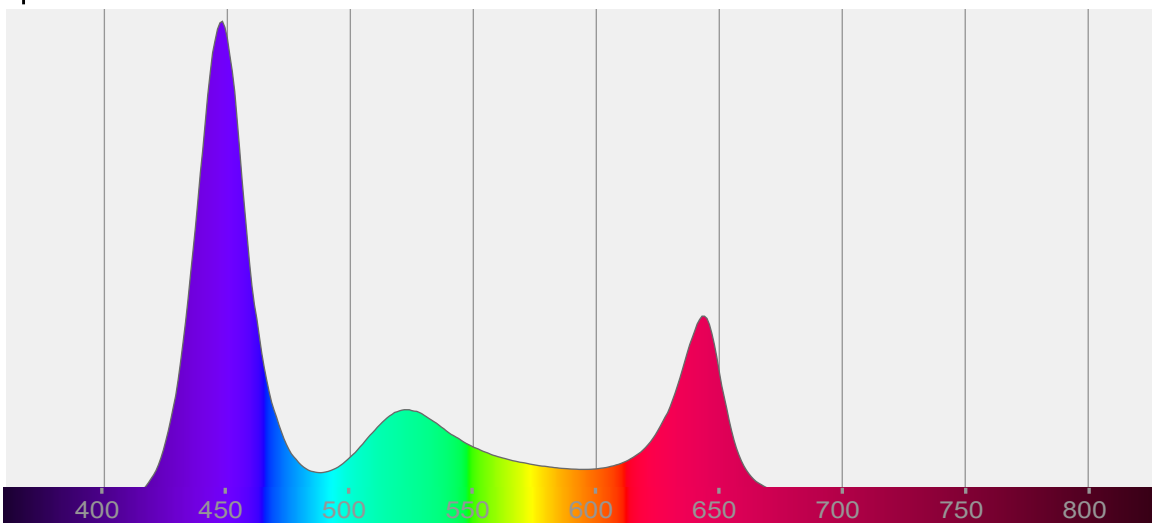
Total Lumens: 2932 lm
Peak Intensity: 44575 cd
Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 0K
 Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30-18 Rf: 0.0
TM-30-18 Rg: 0.0
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:
X: 0.241 Y: 0.173

Color Temperature

0 K

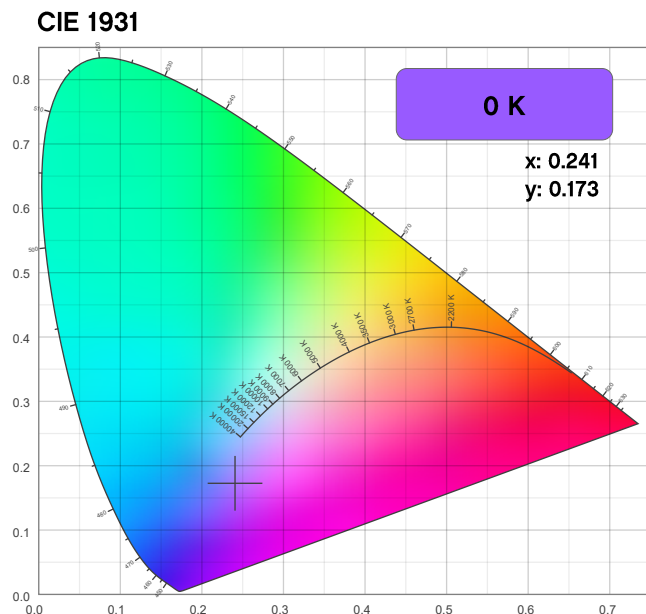
Light Quality

CRI: 0.0

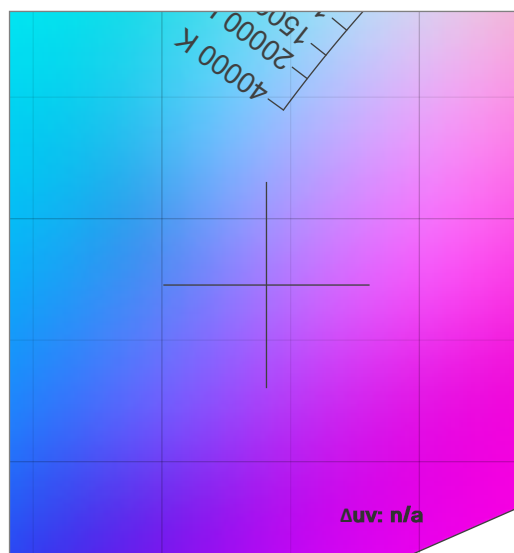
Notes:

Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.241	0.173

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
n/a	0.173	0.210

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

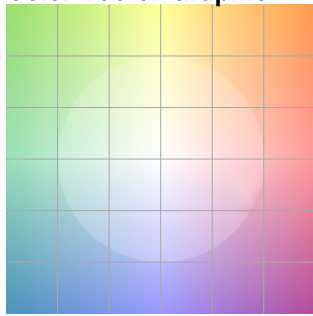
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

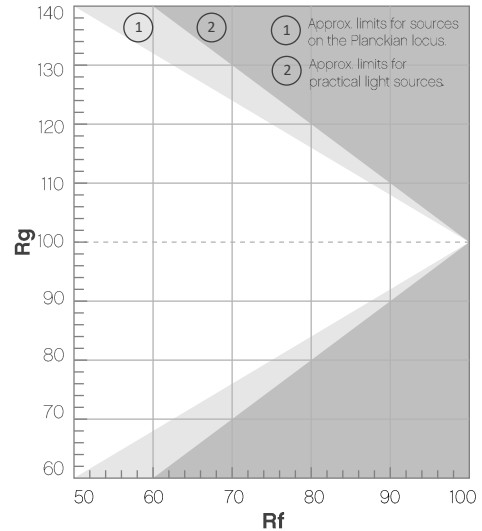
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Red Only-w/Ring Off

Report Summary

Measurements

Total Lumens: 589 lm

Peak Intensity: 8957 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

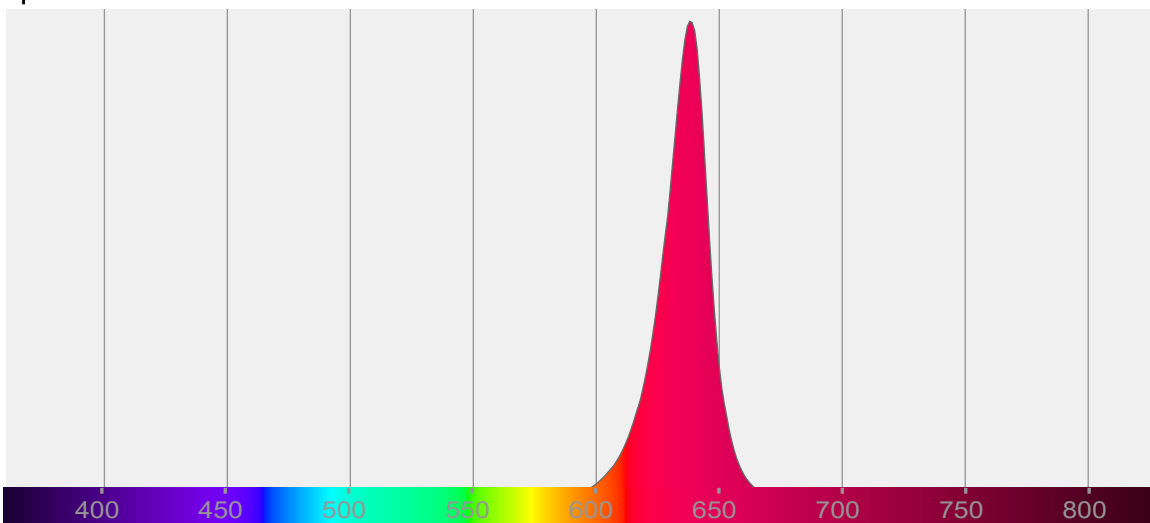
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 638 nm

2nd Dominant Wavelength: n/a nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.700 Y: 0.299

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Red Only-w/Ring Off

TM-30-18 Details

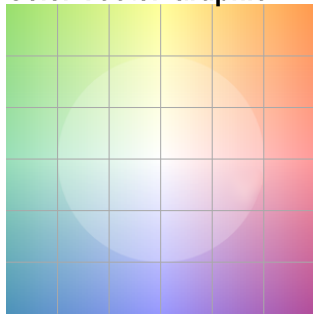
Rf 0.0

Fidelity Index
(R_f)

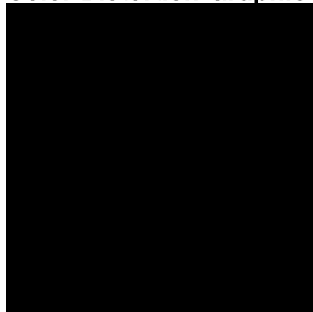
Rg 0.0

Gamut Index (R_g)

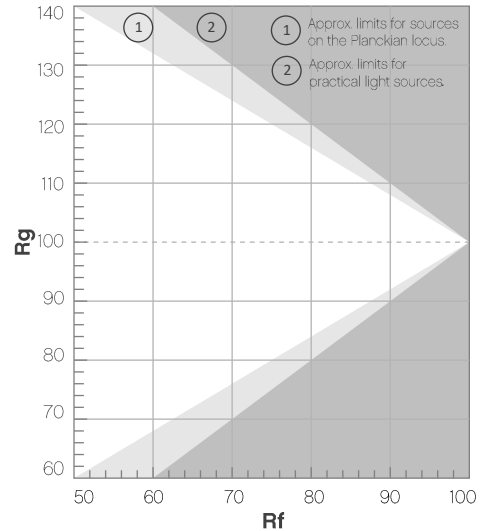
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Green Only-w/Ring Off

Report Summary

Measurements

Total Lumens: 988 lm

Peak Intensity: 15435 cd

Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

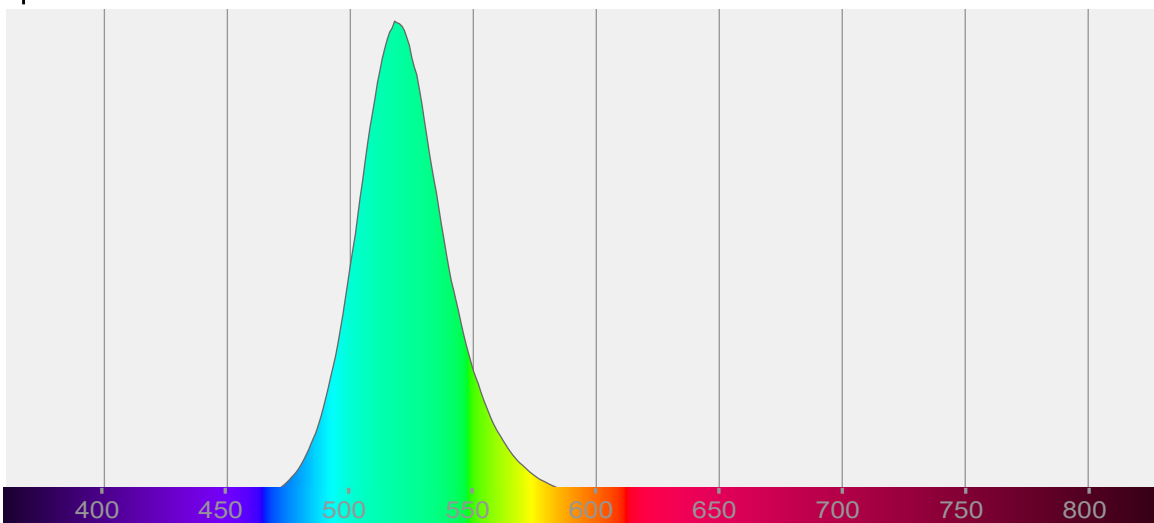
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 518 nm

2nd Dominant Wavelength: n/a nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.164 Y: 0.698

Color Temperature

0 K

Light Quality

CRI: 0.0

Notes:

Chromaticity Report

Rogue Outcast 1 BW: Green Only-w/Ring Off

TM-30-18 Details

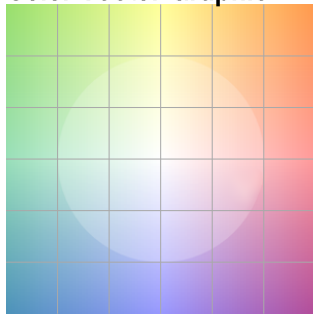
Rf 0.0

Fidelity Index
(R_f)

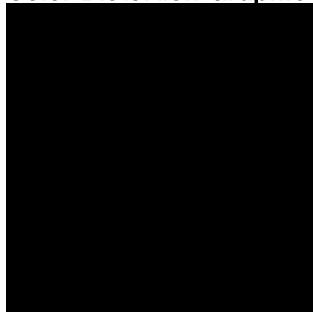
Rg 0.0

Gamut Index (R_g)

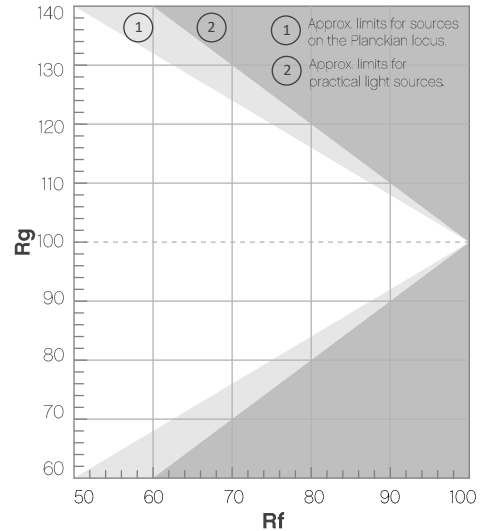
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Blue Only-w/Ring Off

Report Summary

Measurements

Total Lumens: 296 lm

Peak Intensity: 4416 cd

Fixture Efficacy: 3 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

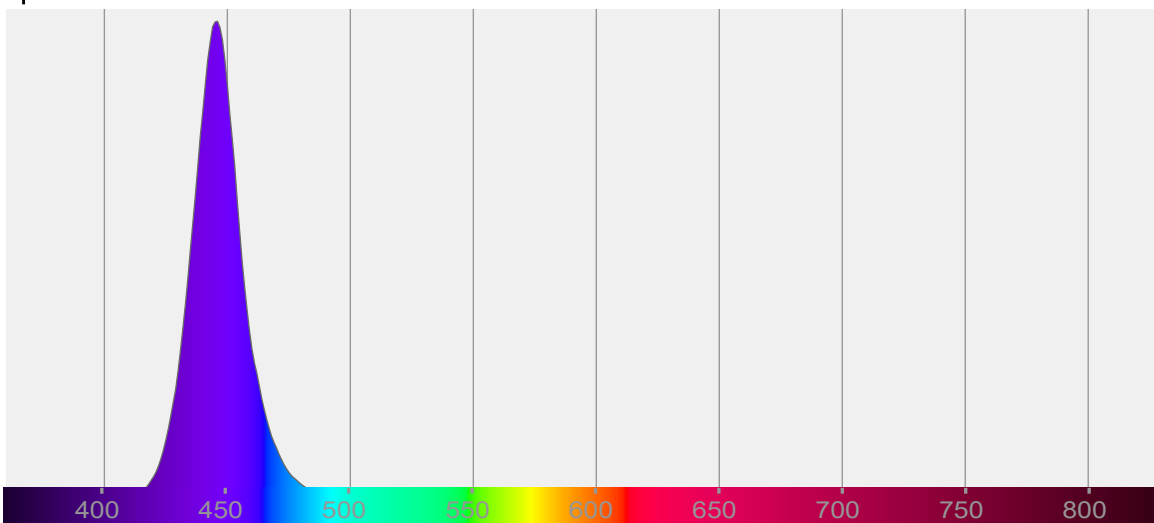
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 446 nm

2nd Dominant Wavelength: n/a nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.158 Y: 0.021

Color Temperature

0 K

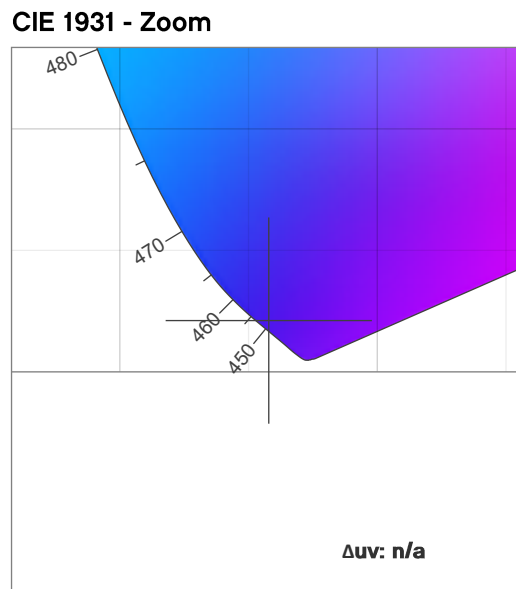
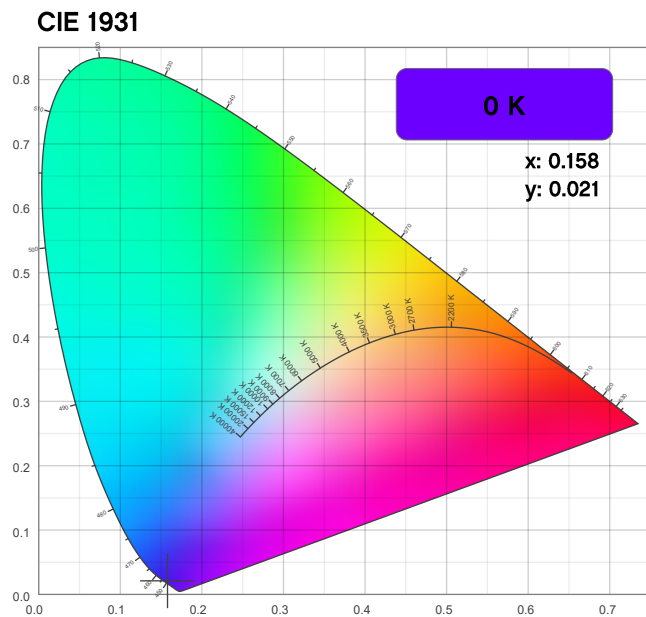
Light Quality

CRI: 0.0

Notes:

Rogue Outcast 1 BW: Blue Only-w/Ring Off

Chromaticity



CRI: 0.0 (R1-R8)

[illegible]

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.158	0.021

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
n/a	0.021	0.215

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

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

Chromaticity Report

Rogue Outcast 1 BW: Blue Only-w/Ring Off

TM-30-18 Details

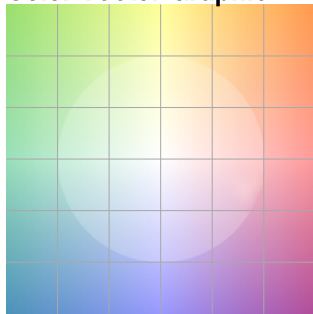
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

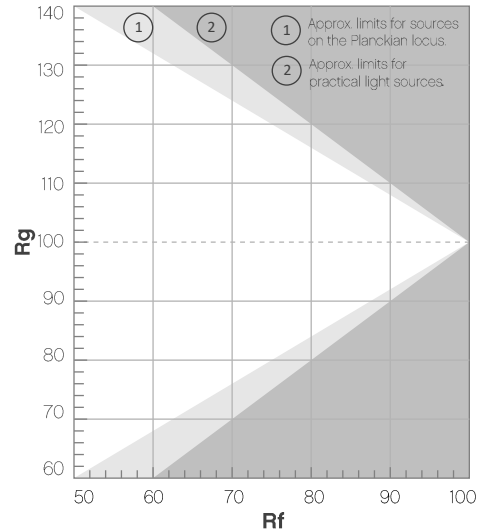
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: White Only-w/Ring Off

Report Summary

Measurements

Total Lumens: 1471 lm

Peak Intensity: 21562 cd

Fixture Efficacy: 13 lm/W

Correlated Color Temperature: 7971K

Δuv : -0.0110

CRI: 73.1 CRI R9 Value: 2.4

CQS: 67.3

TLCI: 47

TM-30-18 Rf: 65.0

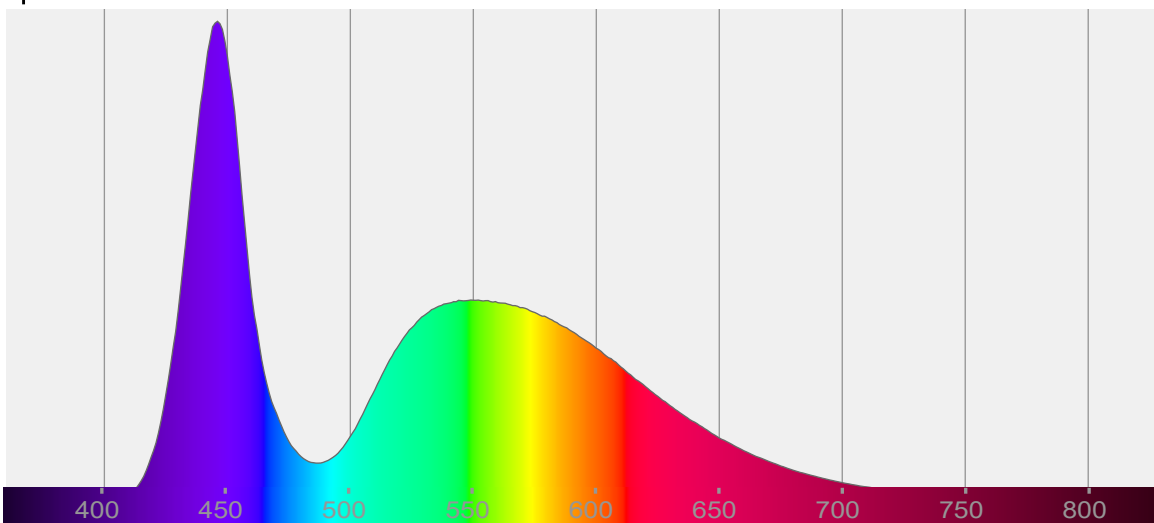
TM-30-18 Rg: 96.6

1st Dominant Wavelength: 446 nm

2nd Dominant Wavelength: 549 nm



Spectral Distribution



Tested Color

7971 K

CIE 1931 Coordinates:

X: 0.299 Y: 0.294

Color Temperature

7971 K

Light Quality

CRI: 73.1

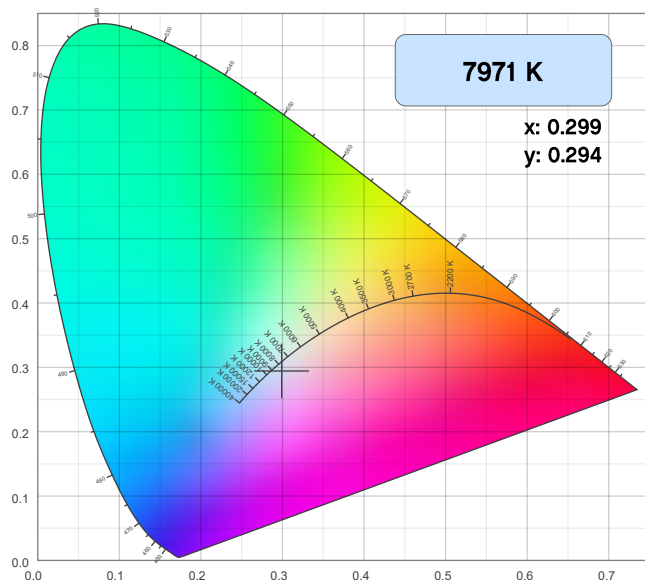
Notes:

Chromaticity Report

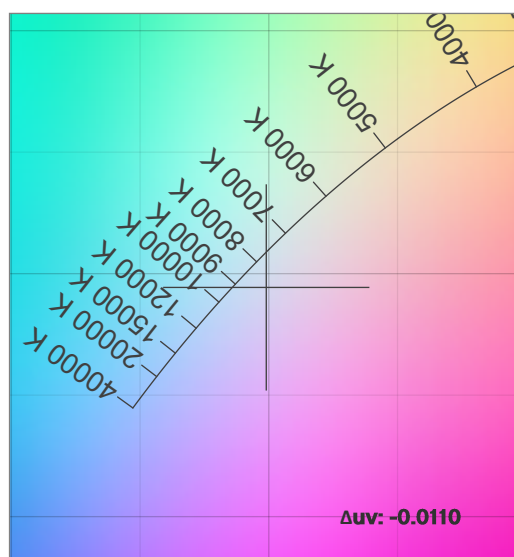
Rogue Outcast 1 BW: White Only-w/Ring Off

Chromaticity

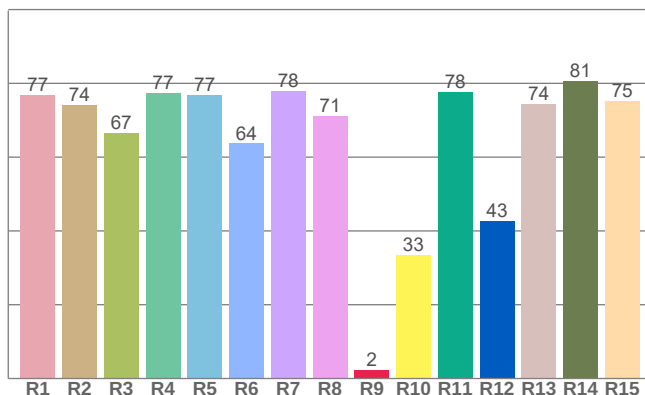
CIE 1931



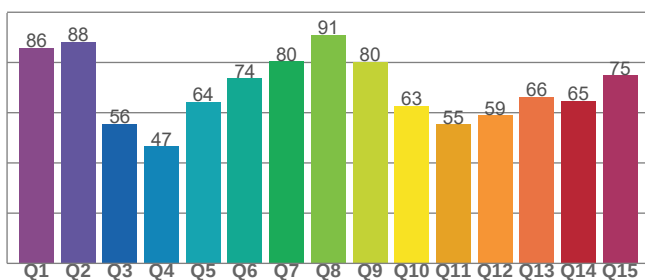
CIE 1931 - Zoom



CRI: 73.1 (R1-R8)



CQS: 67.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7971 K	0.299	0.294

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0110	0.294	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.1	24	67.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
47	65.0	96.6

Chromaticity Report

Rogue Outcast 1 BW: White Only-w/Ring Off

TM-30-18 Details

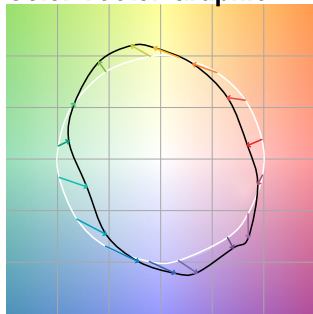
Rf 65.0

Fidelity Index
(R_f)

Rg 96.6

Gamut Index (R_g)

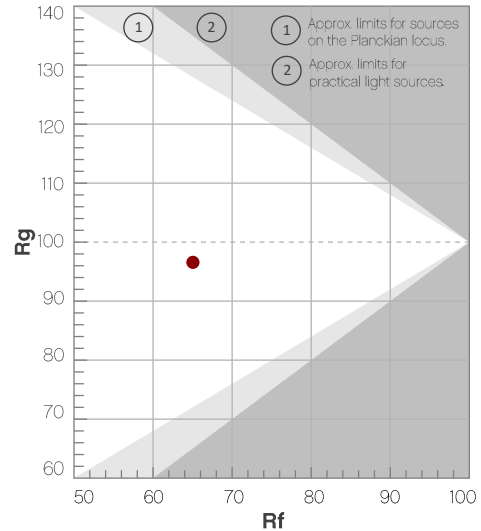
Color Vector Graphic



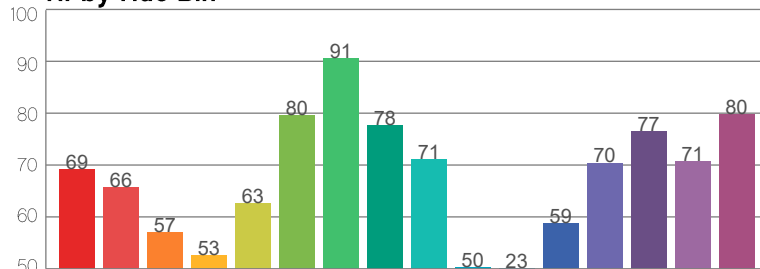
Color Distortion Graphic



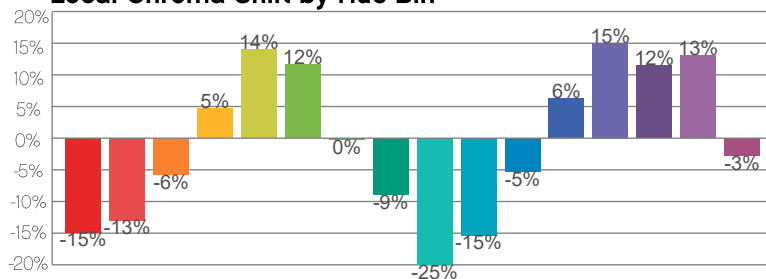
Hue Bin	R _f	Chroma Shift	Hue Shift
1	69	-15%	-3%
2	66	-13%	12%
3	57	-6%	24%
4	53	5%	26%
5	63	14%	16%
6	80	12%	1%
7	91	0%	-5%
8	78	-9%	-7%
9	71	-25%	14%
10	50	-15%	28%
11	23	-5%	35%
12	59	6%	27%
13	70	15%	15%
14	77	12%	-1%
15	71	13%	-19%
16	80	-3%	-10%



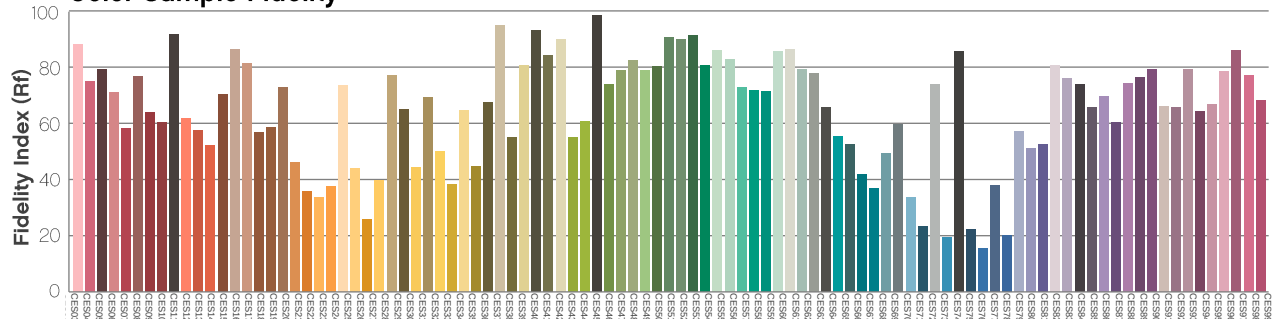
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 1919 lm

Peak Intensity: 382712 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: 63

TM-30-18 Rf: 0.0

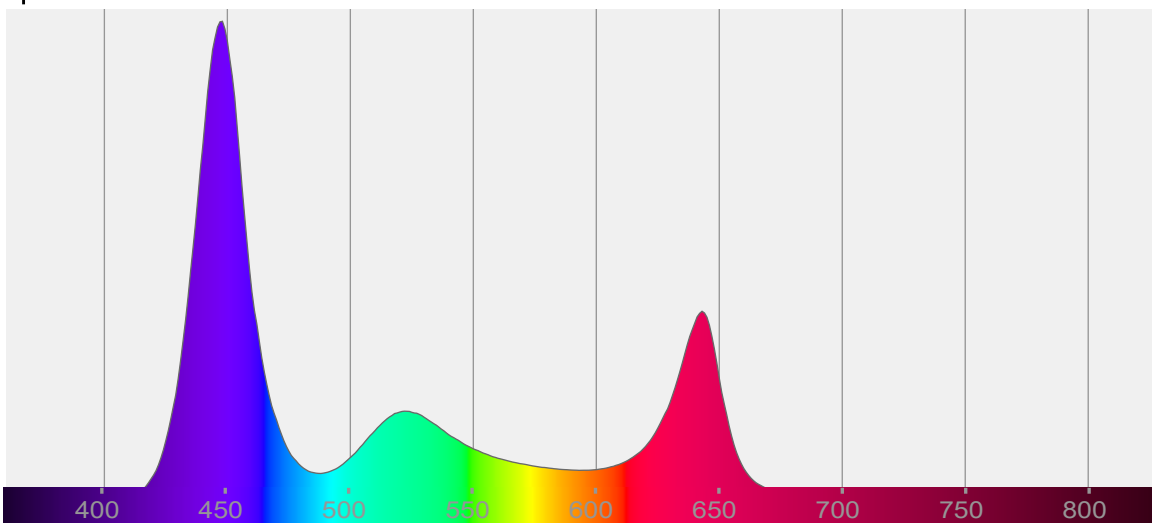
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.241 Y: 0.171

Color Temperature

0 K

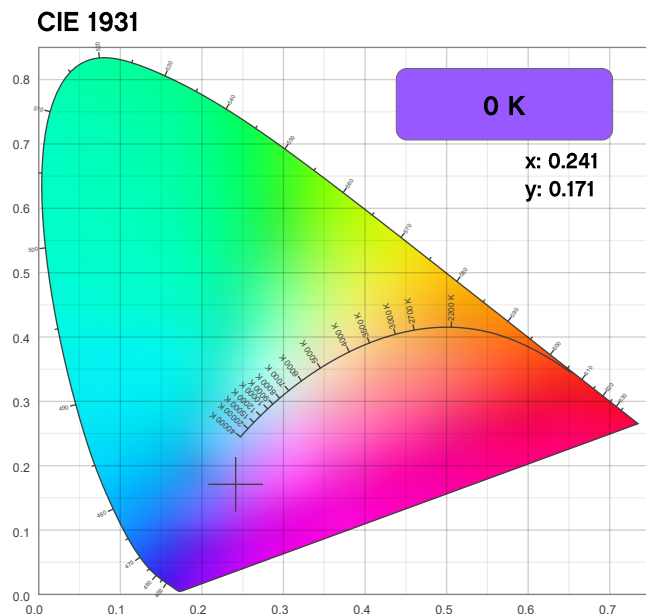
Light Quality

CRI: 0.0

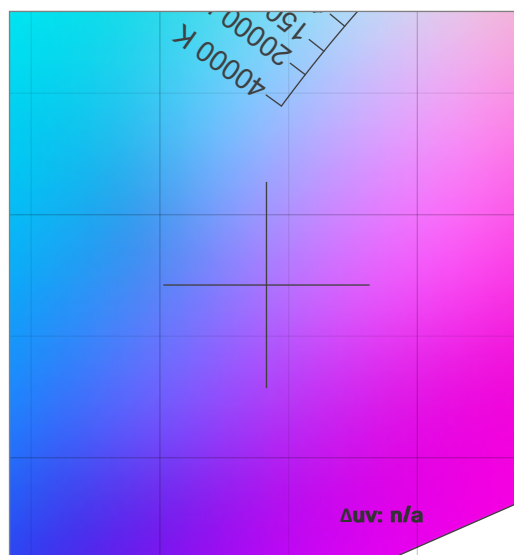
Notes:

Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

A blank coordinate grid for plotting a line graph. The horizontal axis (x-axis) is labeled with 16 points: Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, and Q15. The vertical axis (y-axis) has 4 horizontal grid lines, but no numerical labels are provided.

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.241	0.171

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.171	0.211

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

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
63	0.0	0.0

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

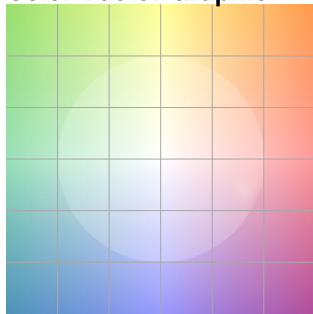
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

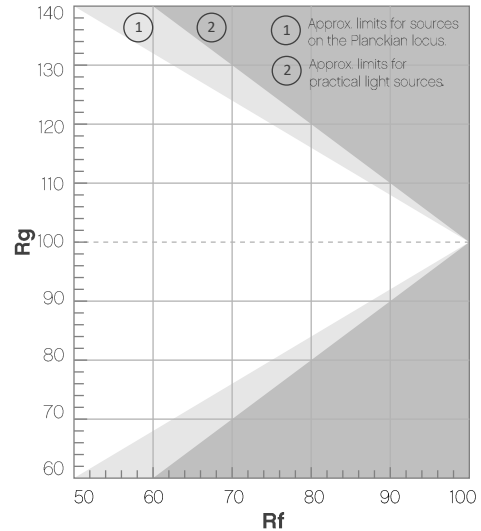
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 1919 lm

Peak Intensity: 382712 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

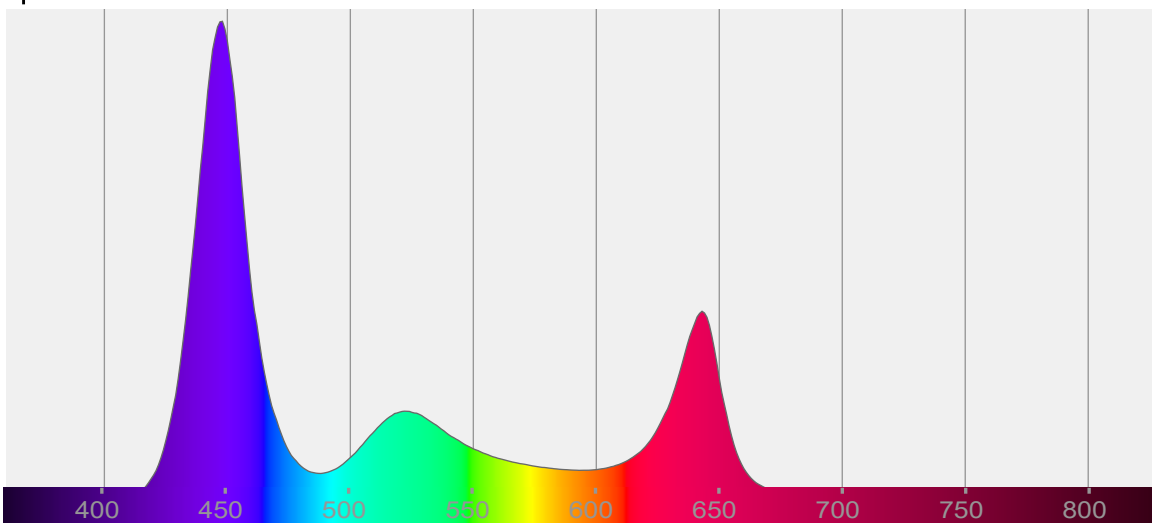
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 643 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.241 Y: 0.171

Color Temperature

0 K

Light Quality

CRI: 0.0

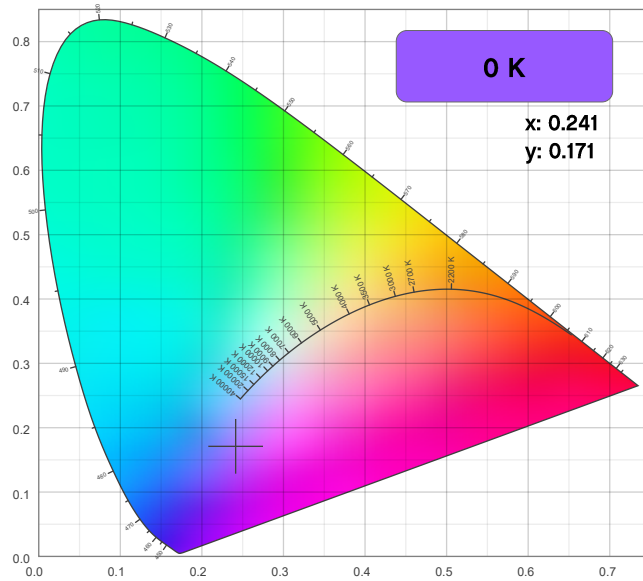
Notes:

Chromaticity Report

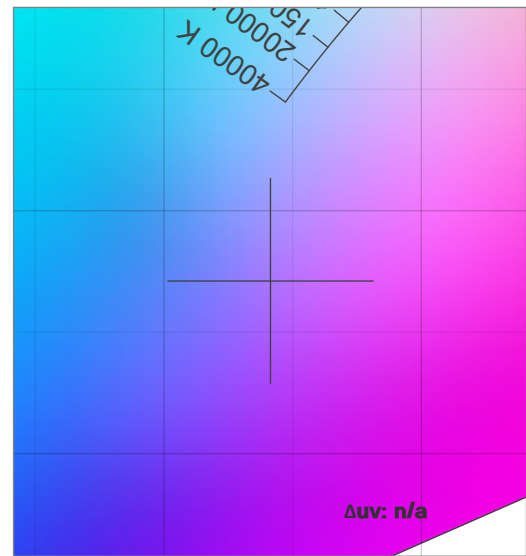
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.241	0.171

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
n/a	0.171	0.211

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

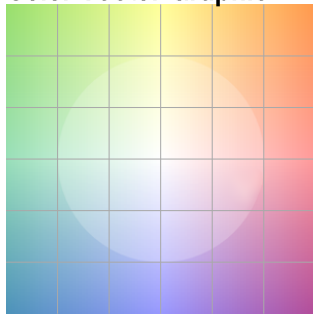
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

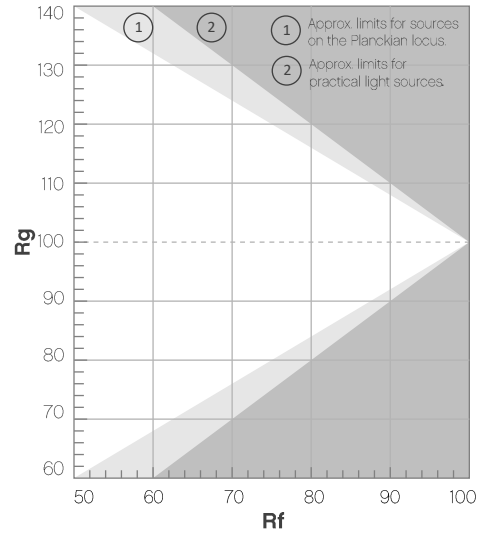
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 1553 lm

Peak Intensity: 323615 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 7582K

Δuv : -0.0024

CRI: 74.3 CRI R9 Value: -32.5

CQS: 85.7

TLCI: 63

TM-30-18 Rf: 78.0

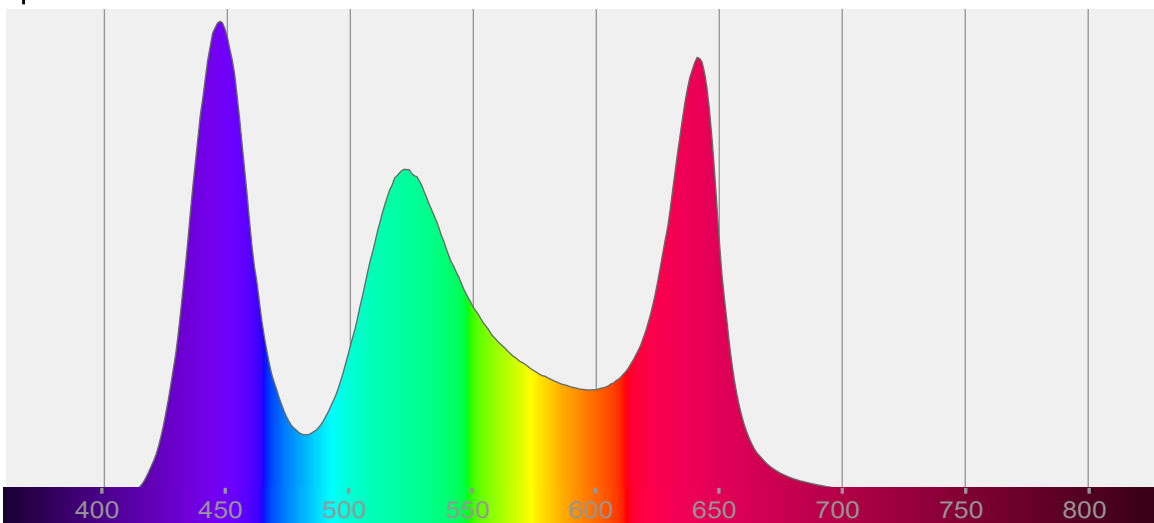
TM-30-18 Rg: 115.5

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

7582 K

CIE 1931 Coordinates:

X: 0.299 Y: 0.310

Color Temperature

7582 K

Light Quality

CRI: 74.3

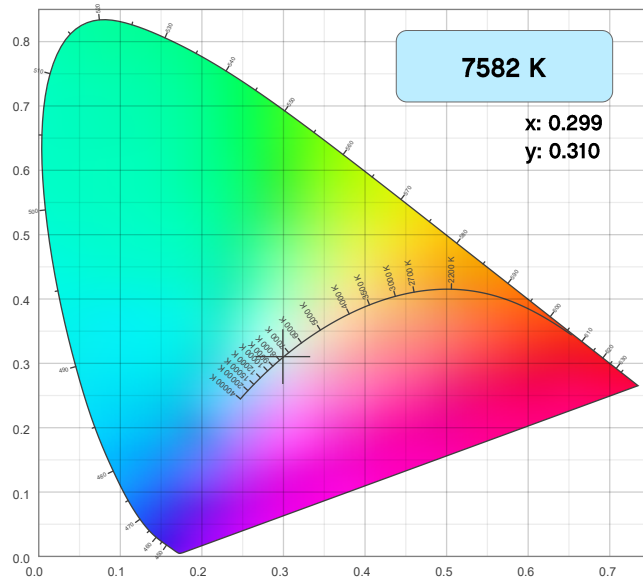
Notes:

Chromaticity Report

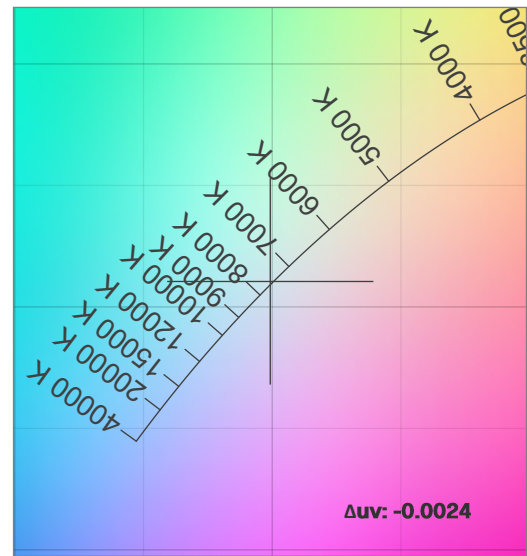
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

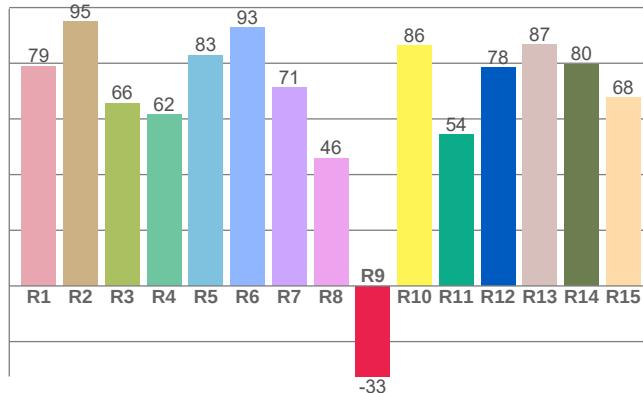
CIE 1931



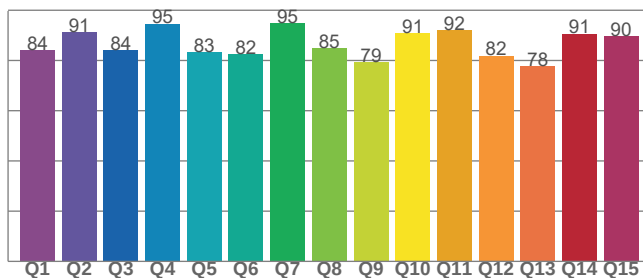
CIE 1931 - Zoom



CRI: 74.3 (R1-R8)



CQS: 85.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7582 K	0.299	0.310

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δu_v	y	u
-0.0024	0.310	0.195

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.3	-32.5	85.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
63	78.0	115.5

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

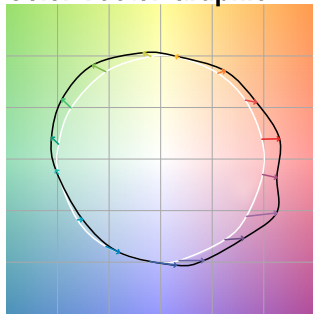
Rf 78.0

Fidelity Index
(R_f)

Rg 115.5

Gamut Index (R_g)

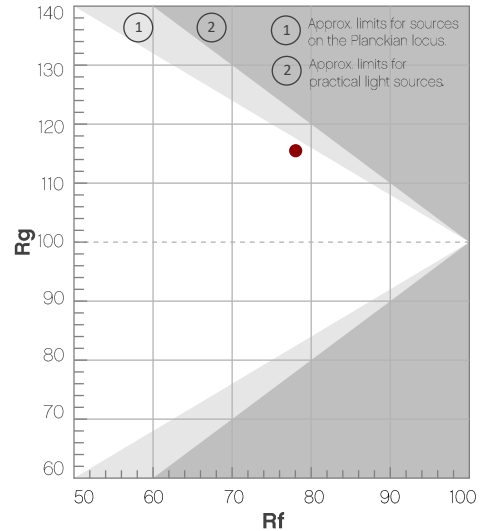
Color Vector Graphic



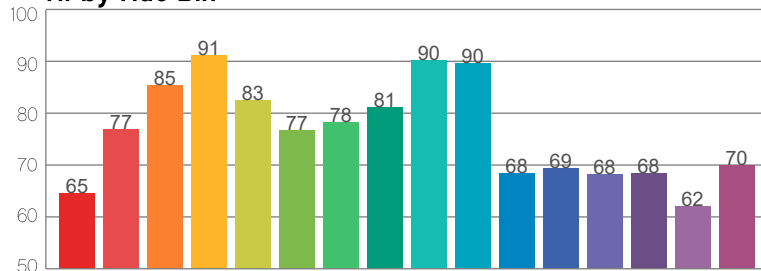
Color Distortion Graphic



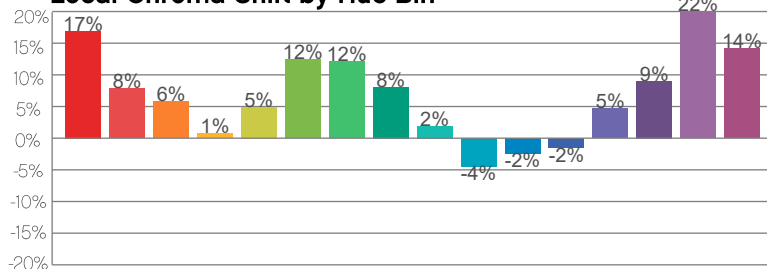
Hue Bin	R _f	Chroma Shift	Hue Shift
1	65	17%	-3%
2	77	8%	-8%
3	85	6%	-5%
4	91	1%	4%
5	83	5%	6%
6	77	12%	7%
7	78	12%	-2%
8	81	8%	-5%
9	90	2%	-5%
10	90	-4%	2%
11	68	-2%	14%
12	69	-2%	26%
13	68	5%	24%
14	68	9%	16%
15	62	22%	19%
16	70	14%	0%



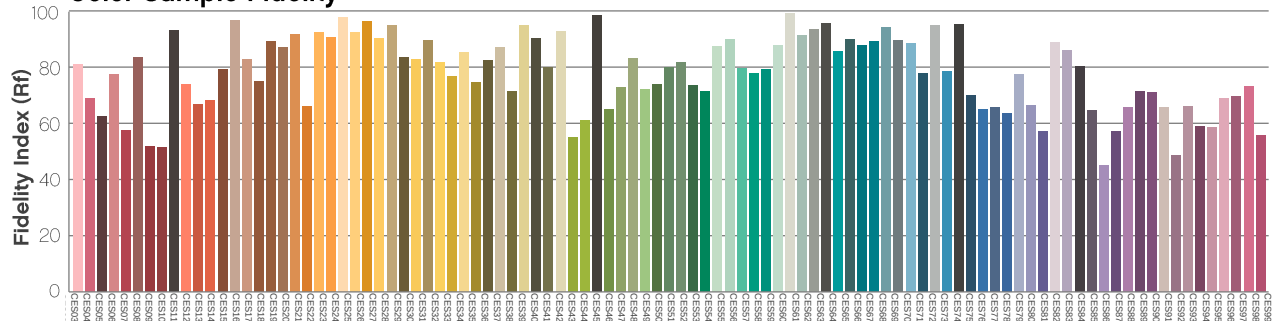
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 1508 lm

Peak Intensity: 332063 cd

Fixture Efficacy: 6 lm/W

Correlated Color Temperature: 7568K

Δuv : -0.0029

CRI: 73.9 CRI R9 Value: -34.3

CQS: 85.6

TLCI: 63

TM-30-18 Rf: 77.8

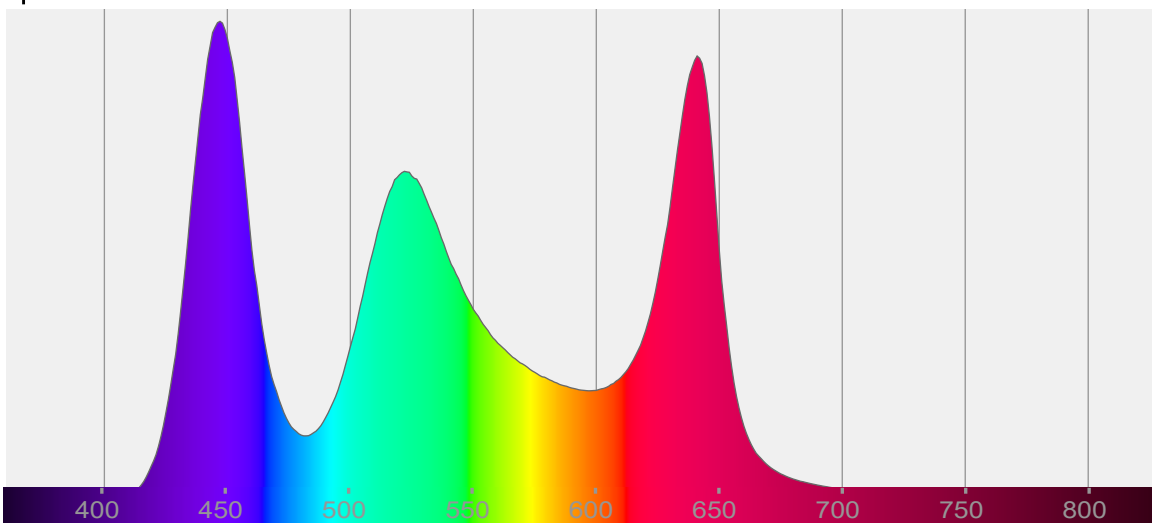
TM-30-18 Rg: 115.8

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 641 nm



Spectral Distribution



Tested Color

7568 K

CIE 1931 Coordinates:

X: 0.300 Y: 0.310

Color Temperature

7568 K

Light Quality

CRI: 73.9

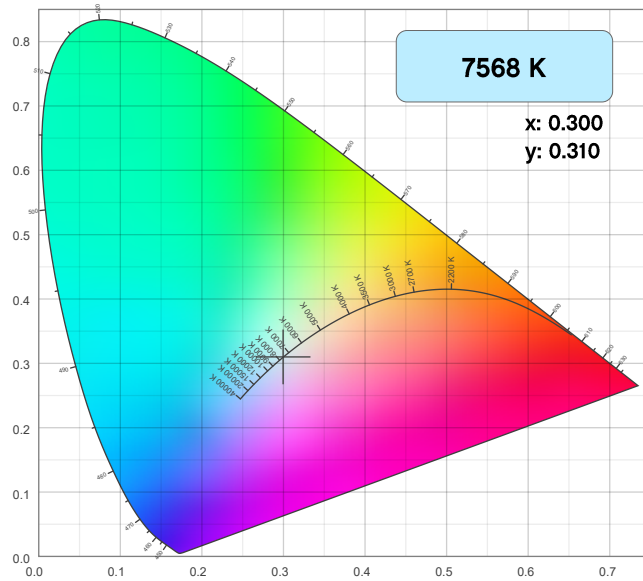
Notes:

Chromaticity Report

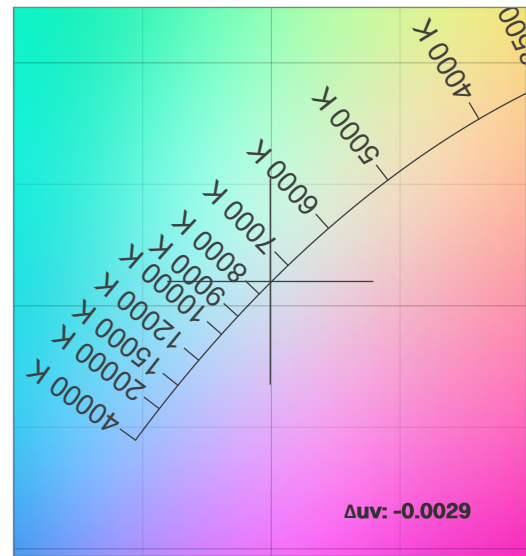
Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity

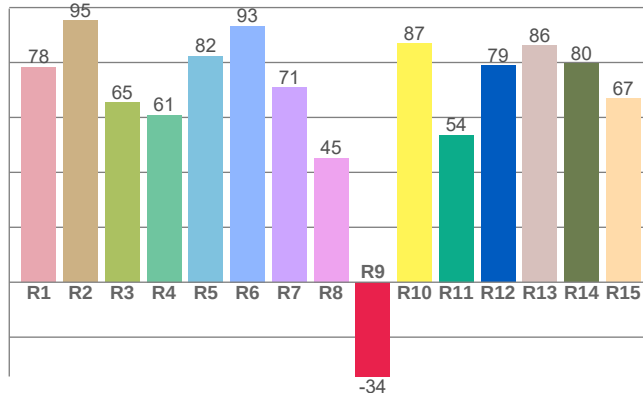
CIE 1931



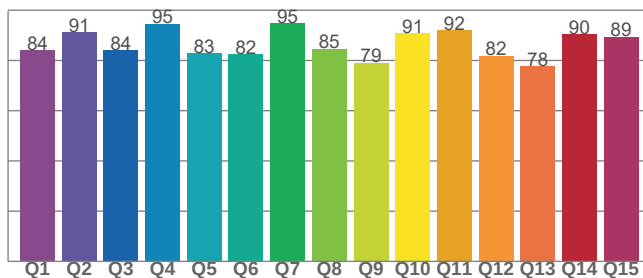
CIE 1931 - Zoom



CRI: 73.9 (R1-R8)



CQS: 85.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7568 K	0.300	0.310

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0029	0.310	0.196

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.9	-34.3	85.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
63	77.8	115.8

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

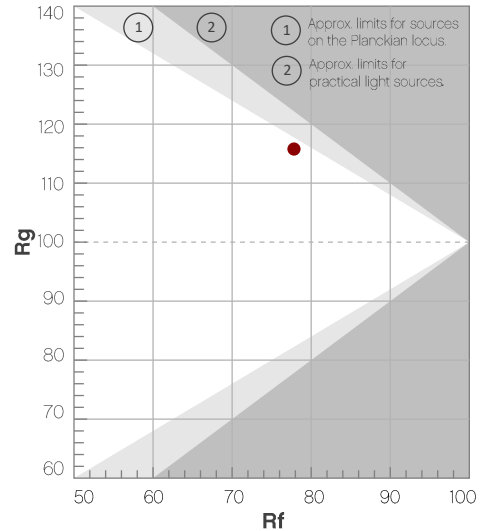
Rf 77.8

Fidelity Index
(R_f)

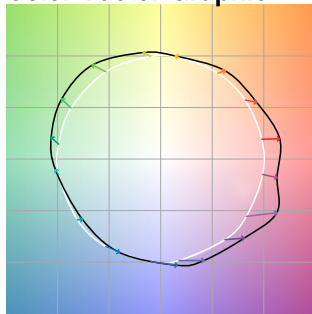
Rg 115.8

Gamut Index (R_g)

Hue Bin	R _f	Chroma Shift	Hue Shift
1	64	17%	-3%
2	77	8%	-8%
3	85	6%	-5%
4	91	1%	4%
5	82	5%	6%
6	76	13%	7%
7	78	12%	-2%
8	81	8%	-5%
9	90	2%	-5%
10	90	-4%	2%
11	69	-2%	14%
12	69	-2%	26%
13	68	5%	24%
14	68	9%	16%
15	62	23%	19%
16	70	14%	0%



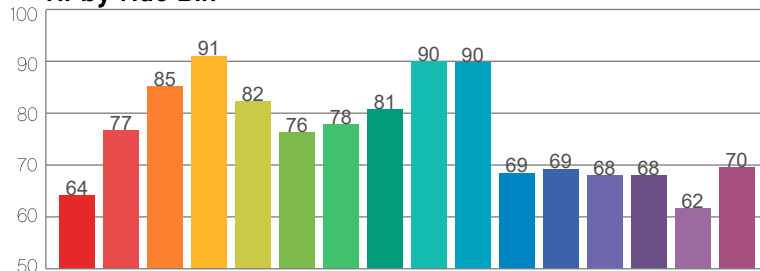
Color Vector Graphic



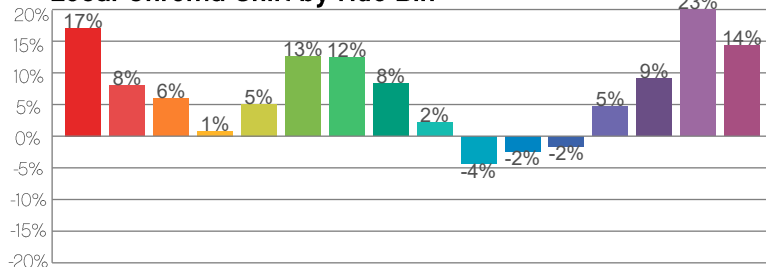
Color Distortion Graphic



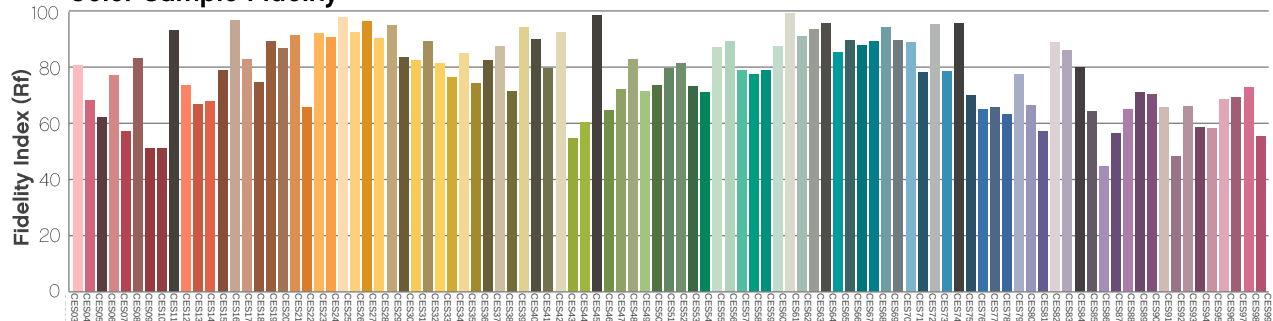
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

Report Summary

Measurements

Total Lumens: 1834 lm

Peak Intensity: 363420 cd

Fixture Efficacy: 5 lm/W

Correlated Color Temperature: 0K

Δuv : n/a

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30-18 Rf: 0.0

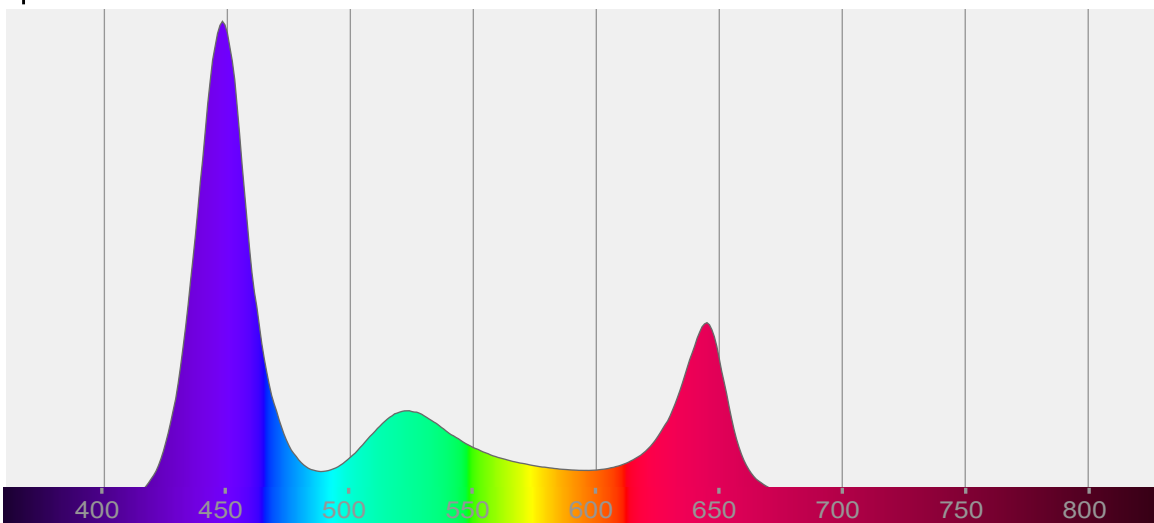
TM-30-18 Rg: 0.0

1st Dominant Wavelength: 448 nm

2nd Dominant Wavelength: 645 nm



Spectral Distribution



Tested Color

0 K

CIE 1931 Coordinates:

X: 0.237 Y: 0.170

Color Temperature

0 K

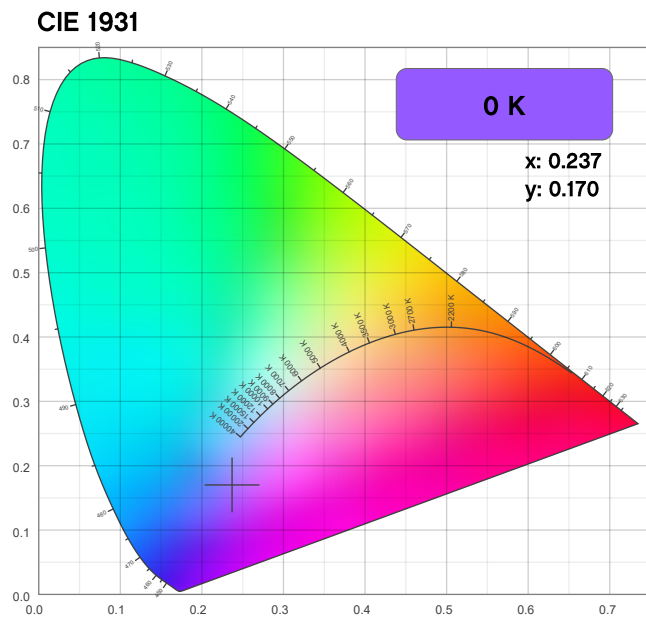
Light Quality

CRI: 0.0

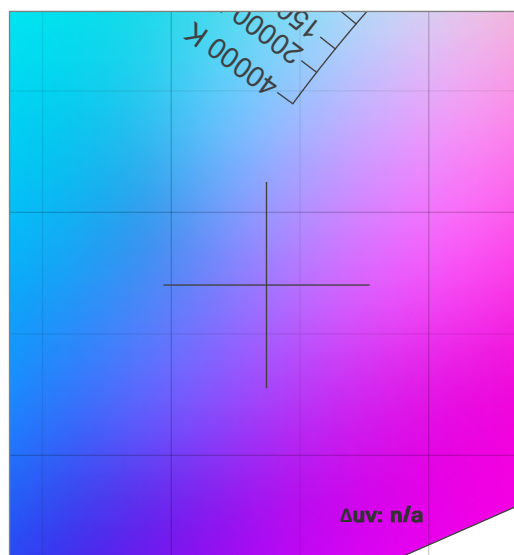
Notes:

Rogue Outcast 1 BW: Full Power-w/Ring Off

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.237	0.170

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.170	0.208

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

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

Chromaticity Report

Rogue Outcast 1 BW: Full Power-w/Ring Off

TM-30-18 Details

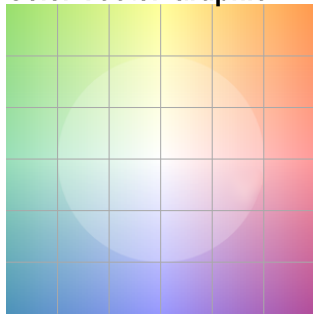
Rf 0.0

Fidelity Index
(R_f)

Rg 0.0

Gamut Index (R_g)

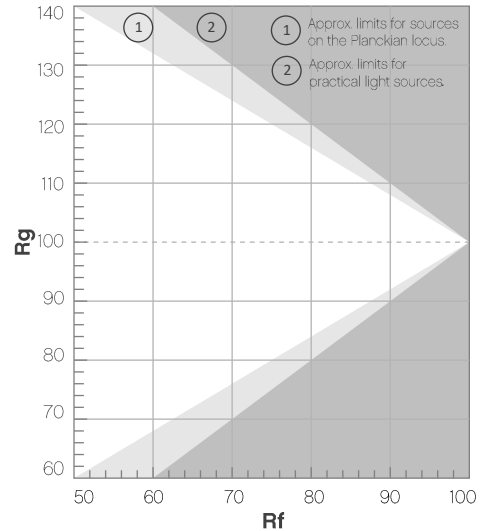
Color Vector Graphic



Color Distortion Graphic



Hue Bin	R _f	Chroma Shift	Hue Shift
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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.