PHOTOMETRICS REPORT

MAVERICK

STORM 1 WASH

CHAUVET
PROFESSIONAL

Table of Contents

Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Maverick Storm 1 Wash: Full Flood, Full Power

Report Summary

Output

Total Lumens: 6183 lm
Peak Intensity: 22991 cd
Illuminance @ 5m: 920 lux
Fixture Efficacy: 16 lm/W

Optical

Horizontal Beam Angle (50%): 30.3°
Vertical Beam Angle (50%): 30.3°
Horizontal Field Angle (10%): 46.4°
Vertical Field Angle (10%): 46.4°
Horizontal Cutoff Angle (3%): 56.5°
Vertical Cutoff Angle (3%): 56.5°

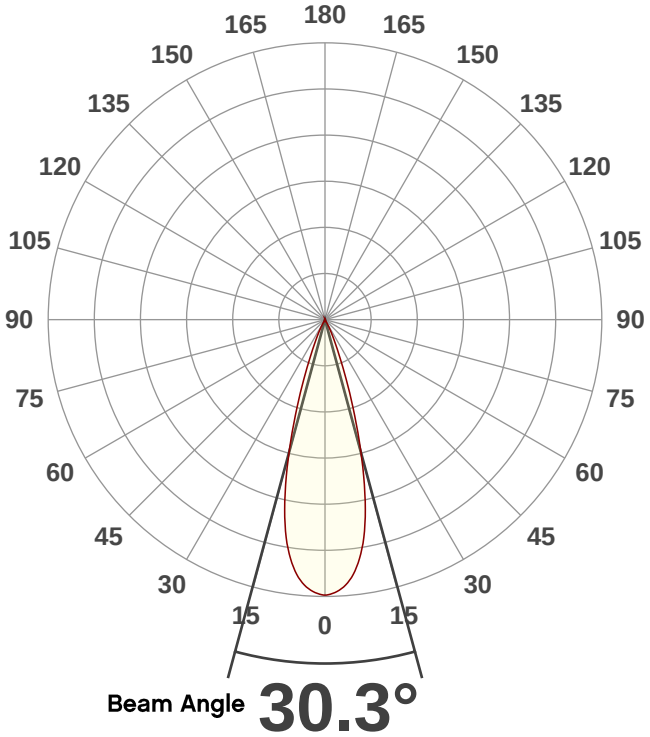
Conditions

AC Supply: 116 V, 60 Hz
Power: 380.67 W
Current: 3.29 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 9/17/2019 to LM-63-2002 Standards.

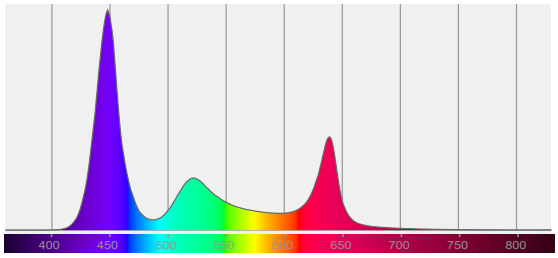
Overall Measurement

Angular Beam Distribution

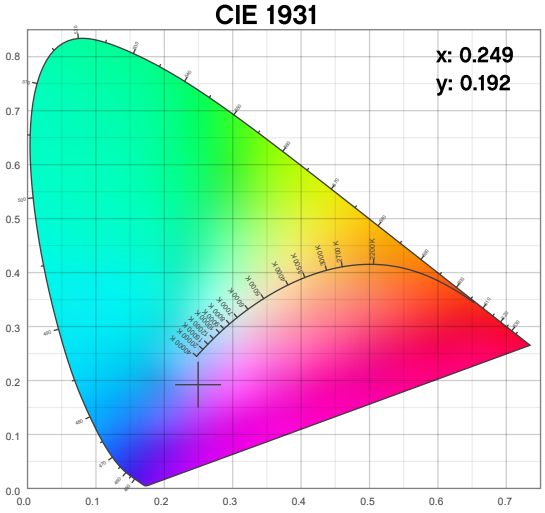


Beam Angle **30.3°**

Spectral Distribution



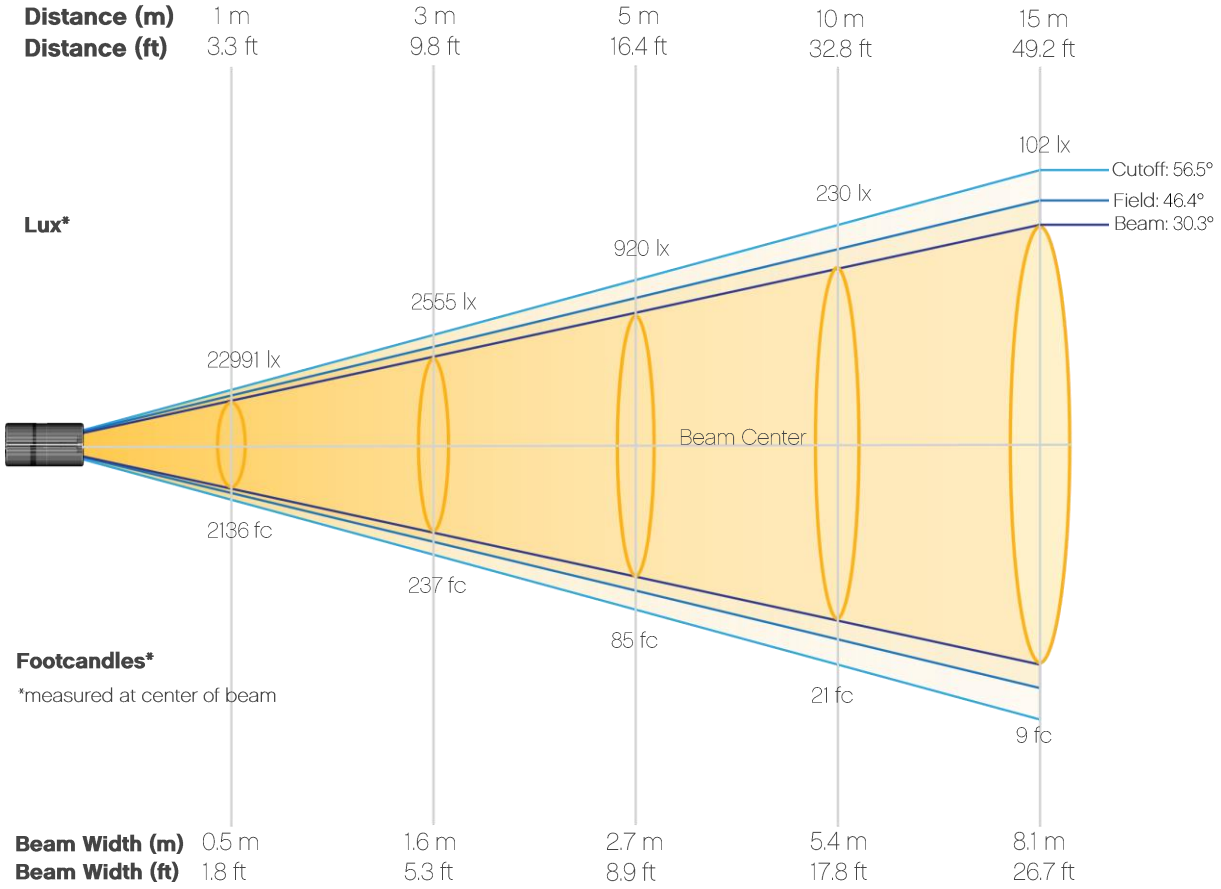
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Flood, Full Power

Beam Details

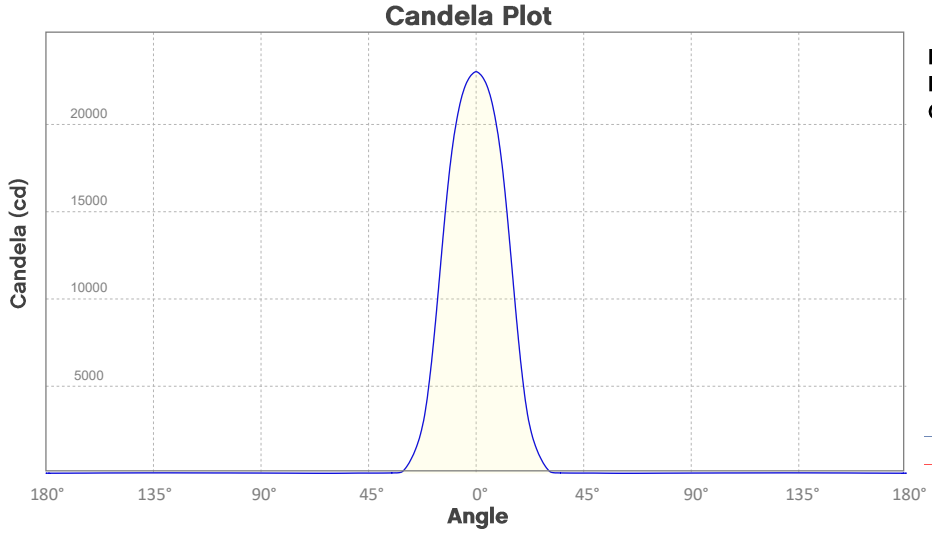


Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	22991	5748	2555	1437	920	639	469	359	284	230
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	190	160	136	117	102	90	80	71	64	57
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2136	534	237	133	85	59	44	33	26	21
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	18	15	13	11	9	8	7	7	6	5

Photometric Report

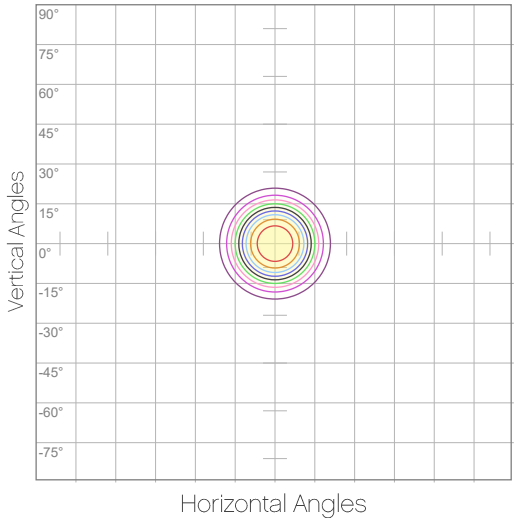
Maverick Storm 1 Wash: Full Flood, Full Power



Beam Angle (50%): 30.3°
Field Angle (10%): 46.4°
Cutoff Angle (3%): 56.5°

Horizontal Distribution
Vertical Distribution

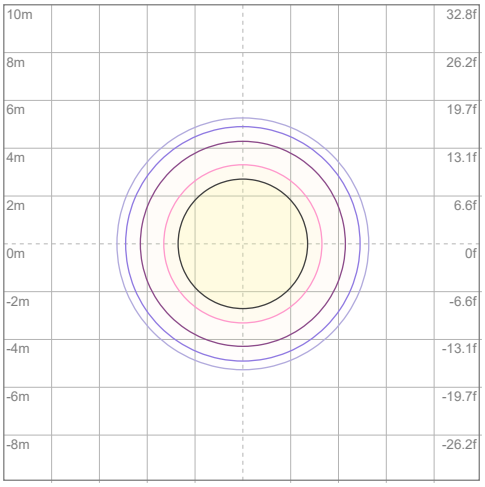
Polar Diagrams



iso-candela Diagram

10%	2299 cd
20%	4598 cd
30%	6897 cd
40%	9196 cd
50%	11495 cd
60%	13794 cd
70%	16093 cd
80%	18393 cd
90%	20692 cd

Conditions:
Number of c-planes: 2
Candela at center: 22991 cd



iso-illuminance Diagram

3%	6.90 lx
5%	11.5 lx
10%	23.0 lx
30%	69.0 lx
50%	115 lx

Conditions:
Number of c-planes: 2
Lux at center: 230 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Flood, Red Only

Report Summary

Output

Total Lumens: 942 lm
Peak Intensity: 3603 cd
Illuminance @ 5m: 144 lux
Fixture Efficacy: 7 lm/W

Optical

Horizontal Beam Angle (50%): 29.7°
Vertical Beam Angle (50%): 29.7°
Horizontal Field Angle (10%): 45.6°
Vertical Field Angle (10%): 45.6°
Horizontal Cutoff Angle (3%): 56°
Vertical Cutoff Angle (3%): 56°

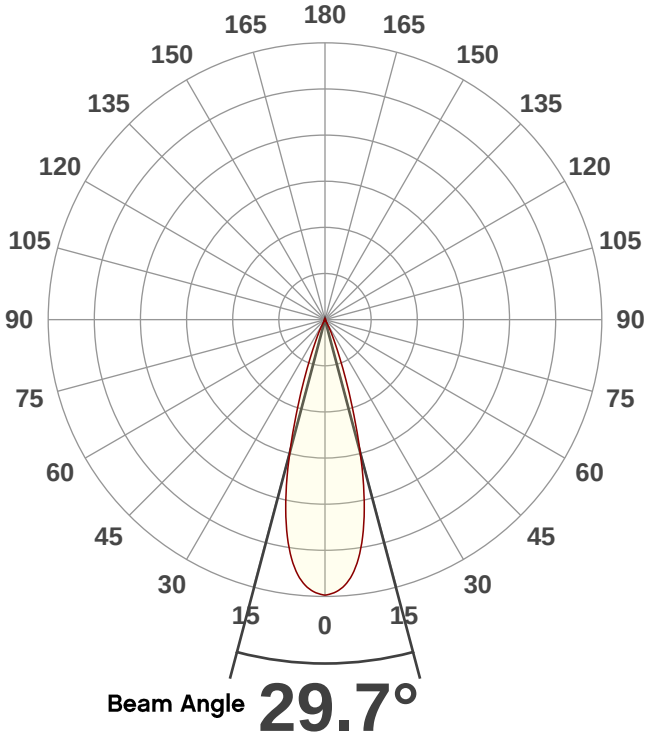
Conditions

AC Supply: 117 V, 60 Hz
Power: 133.76 W
Current: 1.15 A
Power Factor: 0.98

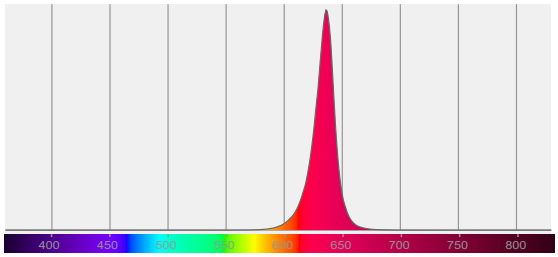
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

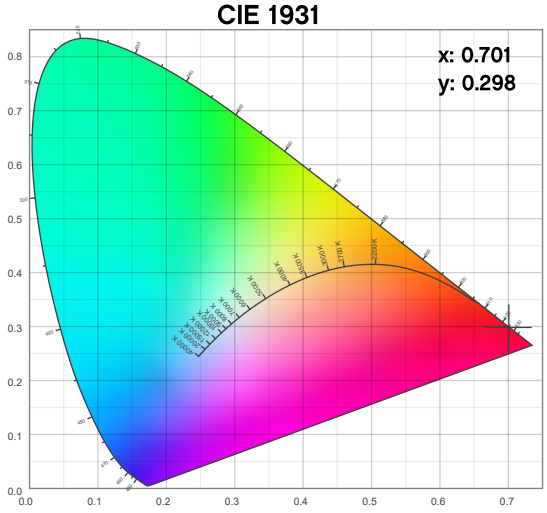
Angular Beam Distribution



Spectral Distribution



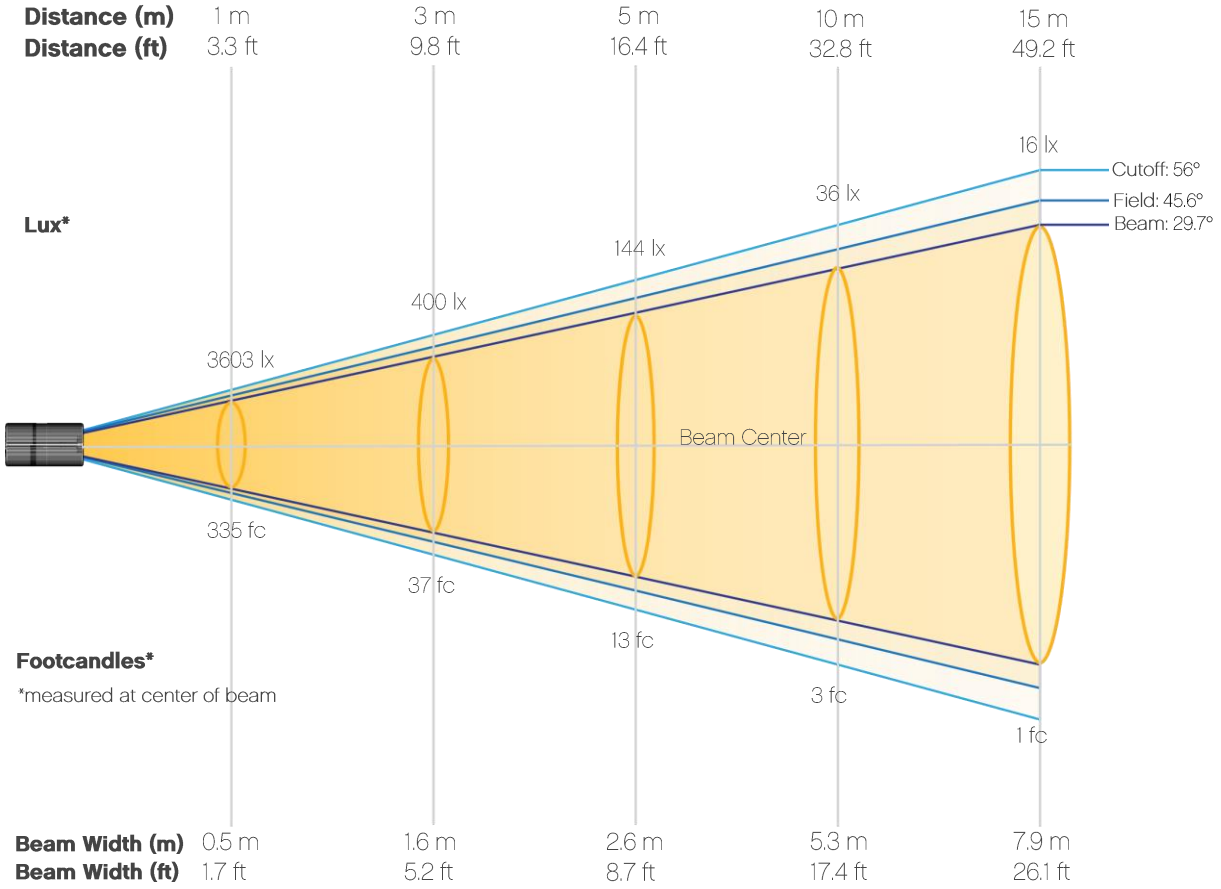
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Flood, Red Only

Beam Details



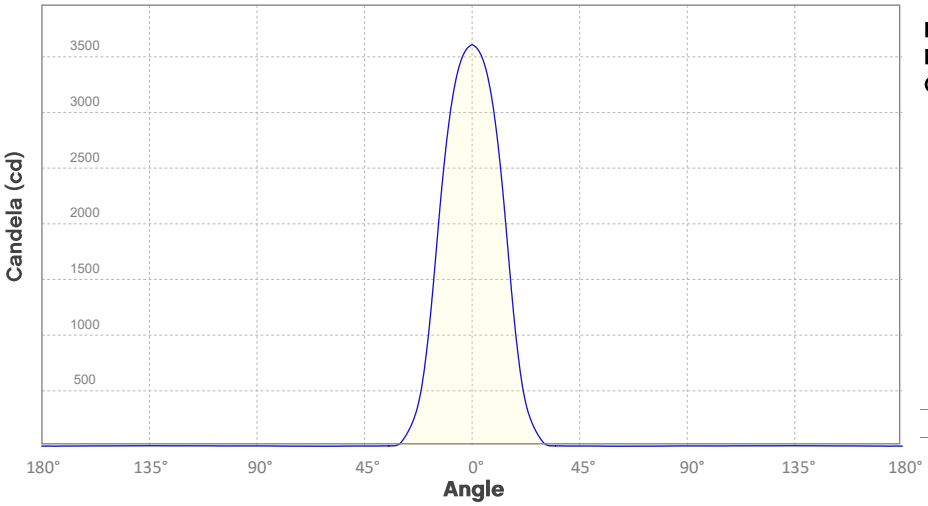
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3603	901	400	225	144	100	74	56	44	36
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	30	25	21	18	16	14	12	11	10	9
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	335	84	37	21	13	9	7	5	4	3
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	3	2	2	2	1	1	1	1	1	1

Photometric Report

Maverick Storm 1 Wash: Full Flood, Red Only

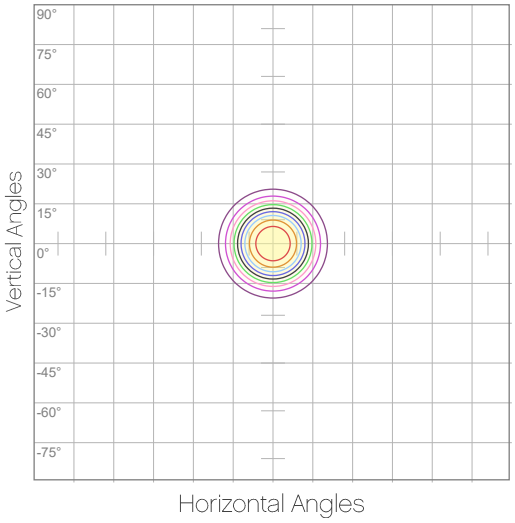
Candela Plot



Beam Angle (50%): 29.7°
Field Angle (10%): 45.6°
Cutoff Angle (3%): 56°

Horizontal Distribution
Vertical Distribution

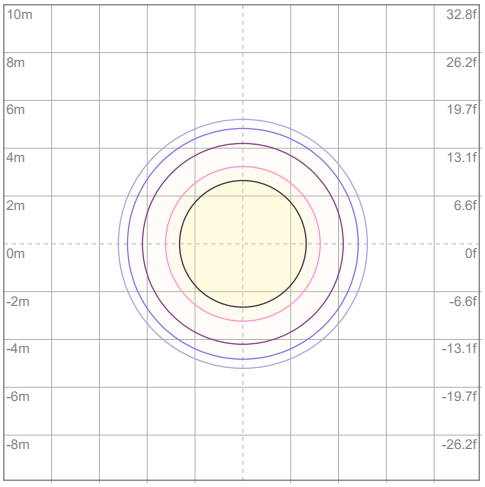
Polar Diagrams



iso-candela Diagram

10%	360 cd
20%	721 cd
30%	1081 cd
40%	1441 cd
50%	1802 cd
60%	2162 cd
70%	2522 cd
80%	2883 cd
90%	3243 cd

Conditions:
Number of c-planes: 2
Candela at center: 3603 cd



iso-illuminance Diagram

3%	1.08 lx
5%	1.80 lx
10%	3.60 lx
30%	10.8 lx
50%	18.0 lx

Conditions:
Number of c-planes: 2
Lux at center: 36.0 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Flood, Green Only

Report Summary

Output

Total Lumens: 2008 lm
Peak Intensity: 7812 cd
Illuminance @ 5m: 312 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 29.3°
Vertical Beam Angle (50%): 29.3°
Horizontal Field Angle (10%): 45.8°
Vertical Field Angle (10%): 45.8°
Horizontal Cutoff Angle (3%): 56°
Vertical Cutoff Angle (3%): 56°

Conditions

AC Supply: 117 V, 60 Hz
Power: 175.68 W
Current: 1.51 A
Power Factor: 0.98

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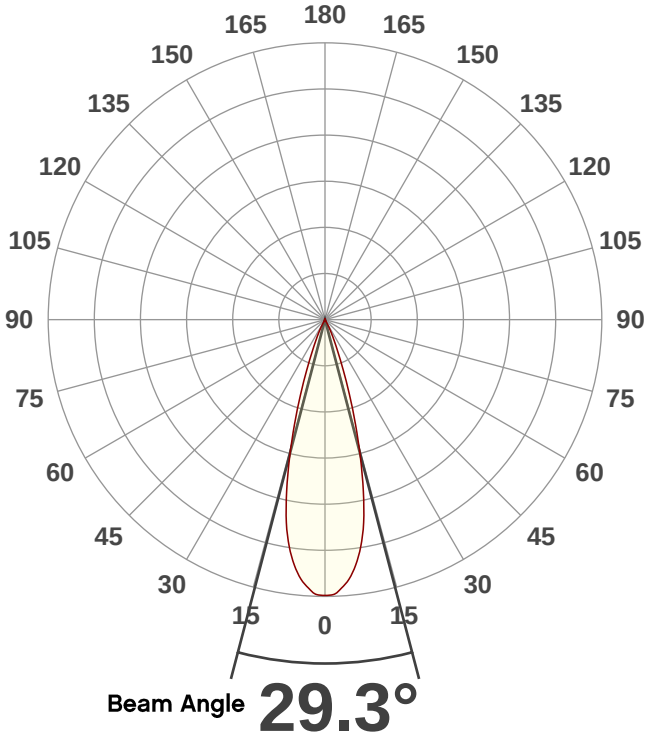
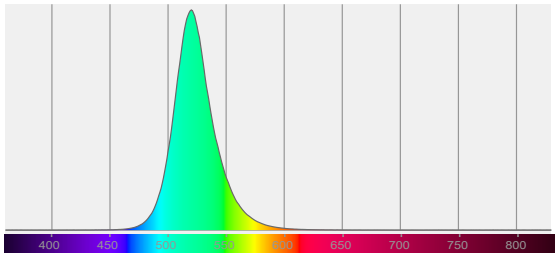
Overall Measurement

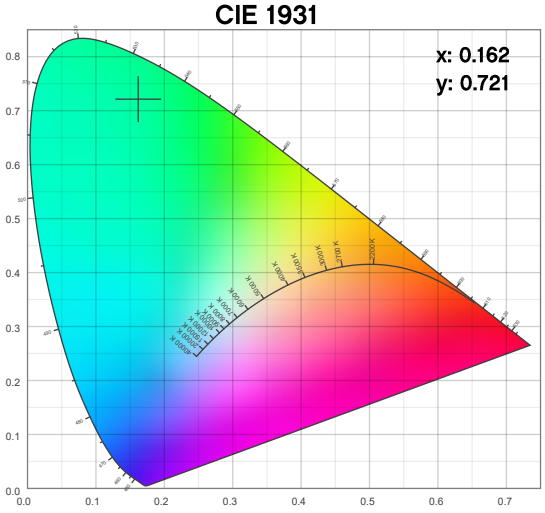
Angular Beam Distribution



Spectral Distribution



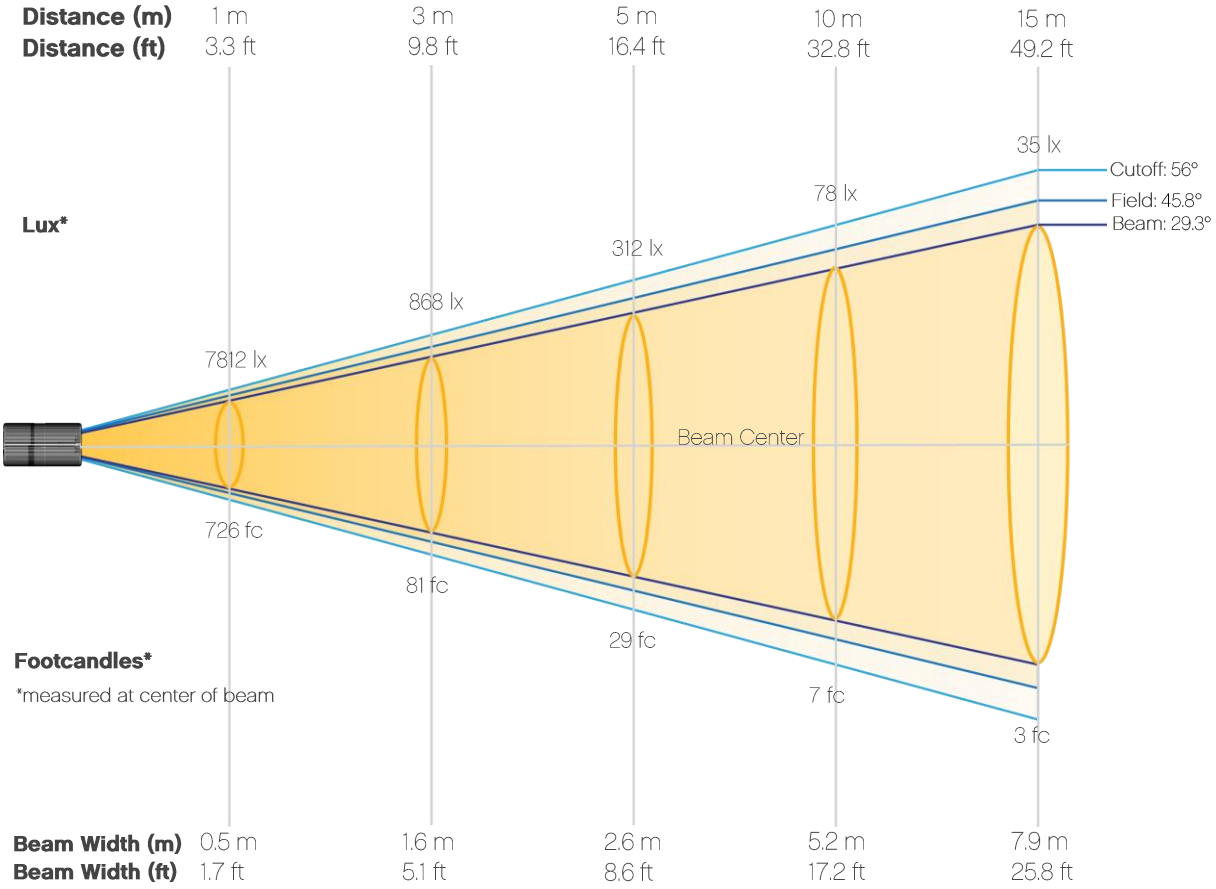
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Flood, Green Only

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7812	1953	868	488	312	217	159	122	96	78
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	65	54	46	40	35	31	27	24	22	20
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	726	181	81	45	29	20	15	11	9	7
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	6	5	4	4	3	3	3	2	2	2

Photometric Report

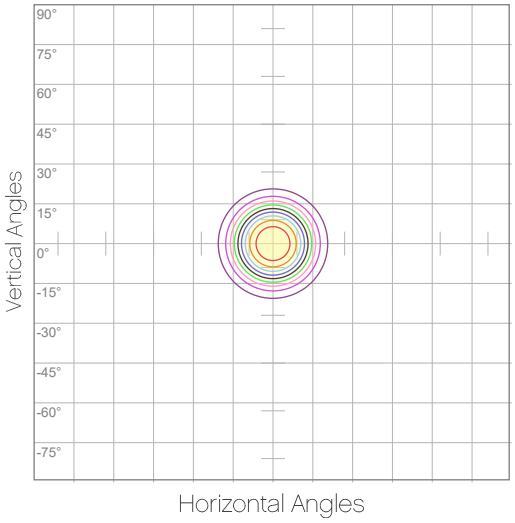
Maverick Storm 1 Wash: Full Flood, Green Only

Candela Plot

Beam Angle (50%): 29.3°
Field Angle (10%): 45.8°
Cutoff Angle (3%): 56°

Horizontal Distribution
Vertical Distribution

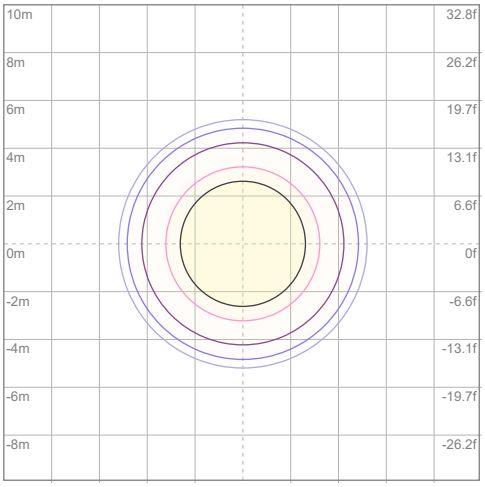
Polar Diagrams



iso-candela Diagram

10%	781 cd
20%	1562 cd
30%	2344 cd
40%	3125 cd
50%	3906 cd
60%	4687 cd
70%	5469 cd
80%	6250 cd
90%	7031 cd

Conditions:
Number of c-planes: 2
Candela at center: 7812 cd



iso-illuminance Diagram

3%	2.34 lx
5%	3.91 lx
10%	7.81 lx
30%	23.4 lx
50%	39.1 lx

Conditions:
Number of c-planes: 2
Lux at center: 78.1 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Flood, Blue Only

Report Summary

Output

Total Lumens: 532 lm
Peak Intensity: 2001 cd
Illuminance @ 5m: 80 lux
Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 29.5°
Vertical Beam Angle (50%): 29.5°
Horizontal Field Angle (10%): 46.1°
Vertical Field Angle (10%): 46.1°
Horizontal Cutoff Angle (3%): 56°
Vertical Cutoff Angle (3%): 56°

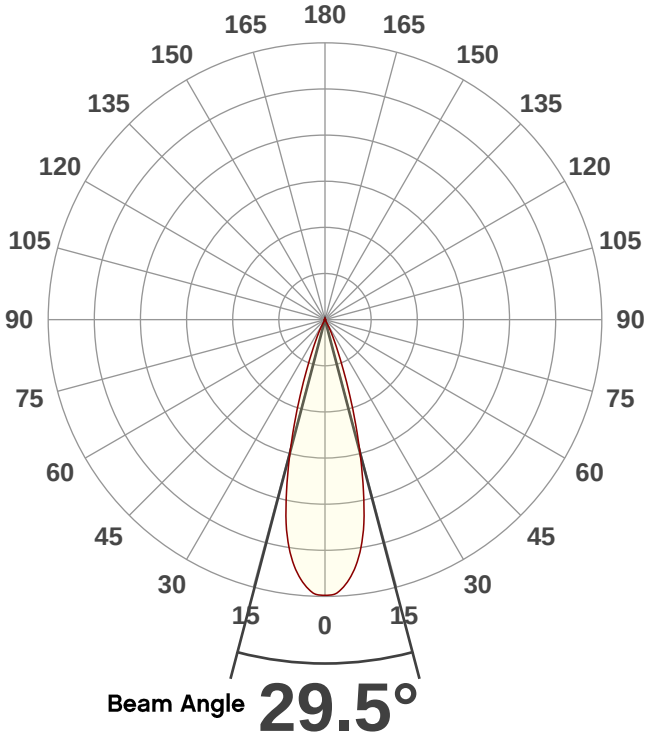
Conditions

AC Supply: 117 V, 60.1 Hz
Power: 159.79 W
Current: 1.36 A
Power Factor: 0.98

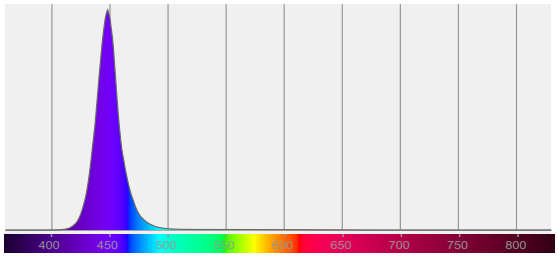
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

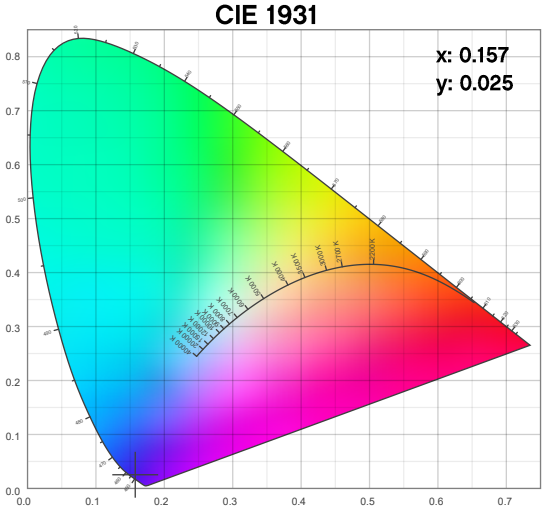
Angular Beam Distribution



Spectral Distribution



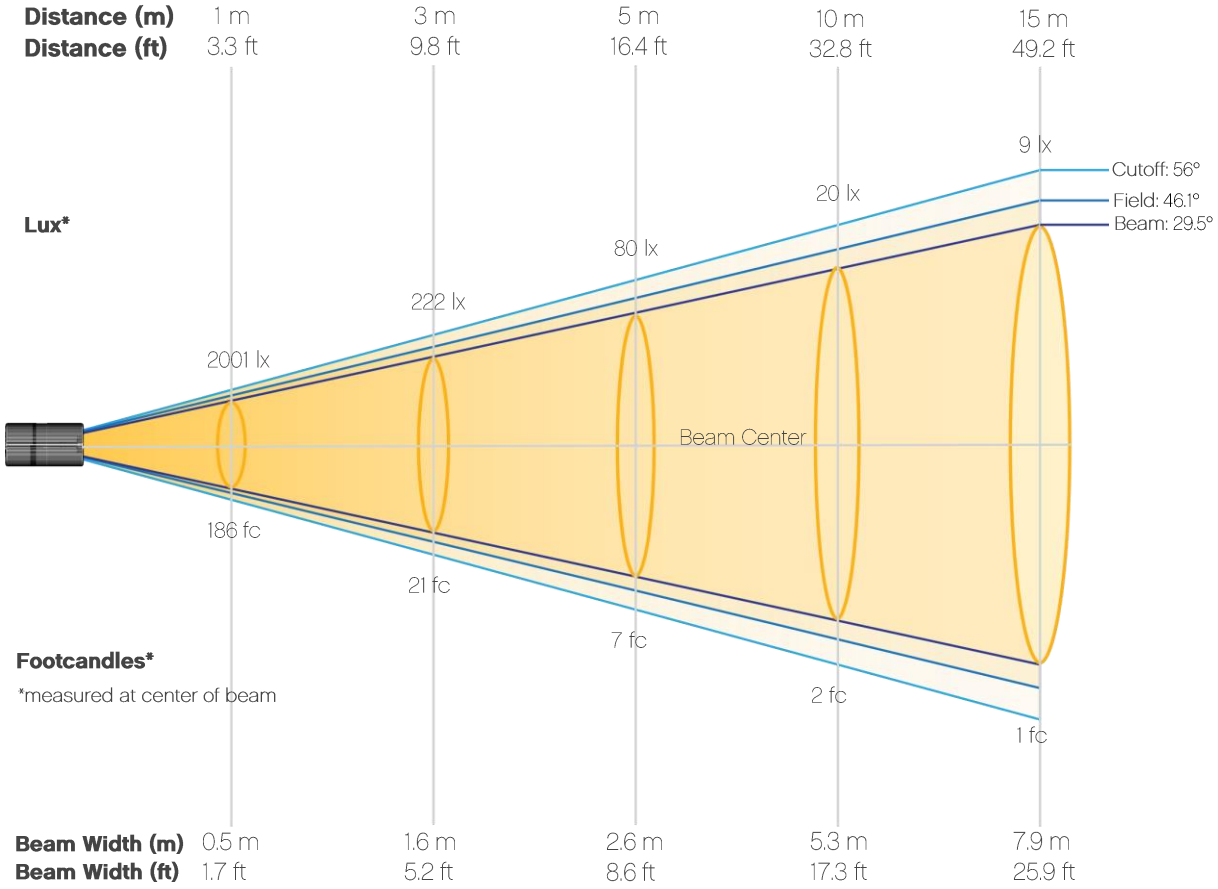
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Flood, Blue Only

Beam Details



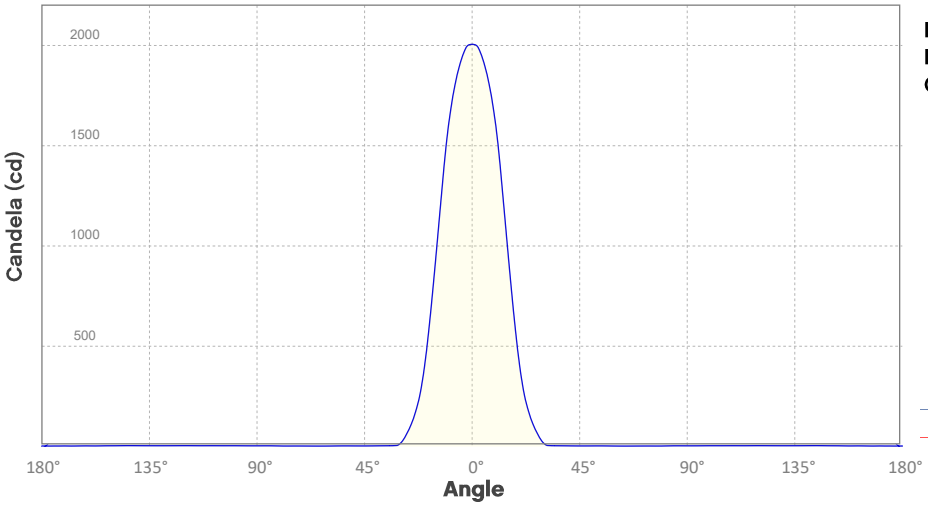
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2001	500	222	125	80	56	41	31	25	20
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	17	14	12	10	9	8	7	6	6	5
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	186	46	21	12	7	5	4	3	2	2
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	2	1	1	1	1	1	1	1	1	0

Photometric Report

Maverick Storm 1 Wash: Full Flood, Blue Only

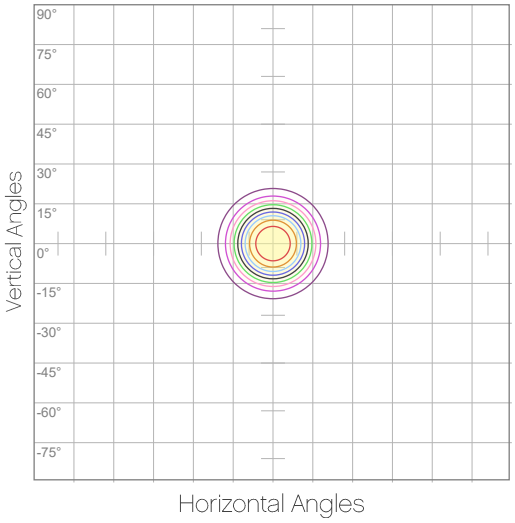
Candela Plot



Beam Angle (50%): 29.5°
Field Angle (10%): 46.1°
Cutoff Angle (3%): 56°

Horizontal Distribution
Vertical Distribution

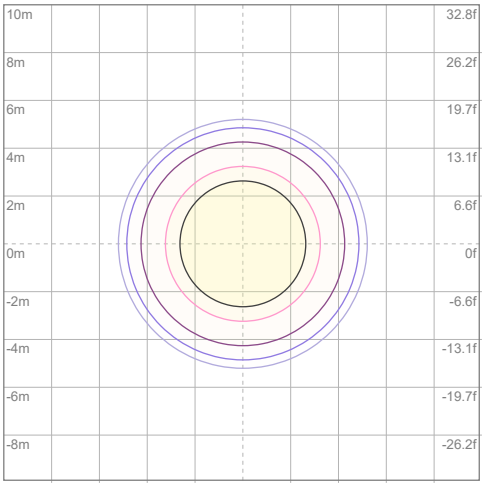
Polar Diagrams



iso-candela Diagram

10%	200 cd
20%	400 cd
30%	600 cd
40%	800 cd
50%	1001 cd
60%	1201 cd
70%	1401 cd
80%	1601 cd
90%	1801 cd

Conditions:
Number of c-planes: 2
Candela at center: 2001 cd



iso-illuminance Diagram

3%	0.600 lx
5%	1.00 lx
10%	2.00 lx
30%	6.00 lx
50%	10.0 lx

Conditions:
Number of c-planes: 2
Lux at center: 20.0 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Flood, White Only

Report Summary

Output

Total Lumens: 2928 lm
Peak Intensity: 10399 cd
Illuminance @ 5m: 416 lux
Fixture Efficacy: 19 lm/W

Optical

Horizontal Beam Angle (50%): 31.3°
Vertical Beam Angle (50%): 31.3°
Horizontal Field Angle (10%): 47.1°
Vertical Field Angle (10%): 47.1°
Horizontal Cutoff Angle (3%): 56.7°
Vertical Cutoff Angle (3%): 56.7°

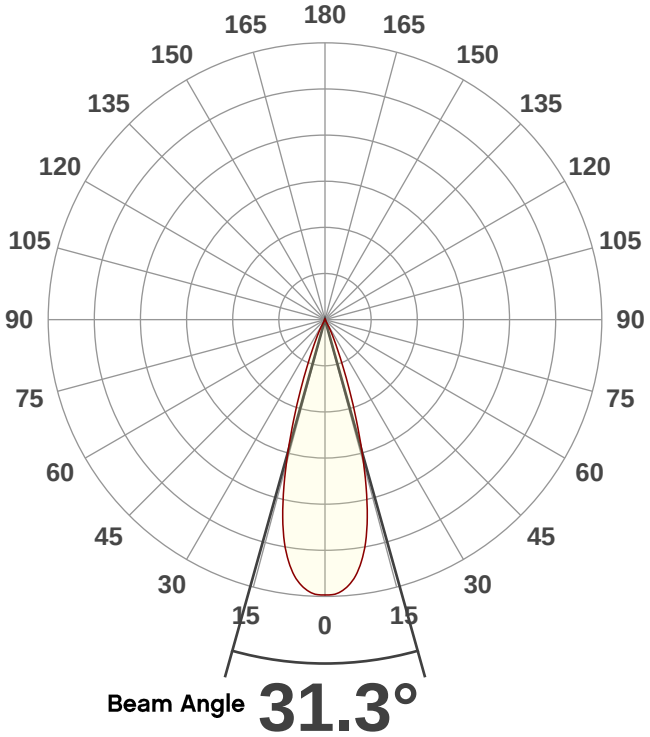
Conditions

AC Supply: 117 V, 60 Hz
Power: 159.79 W
Current: 1.36 A
Power Factor: 0.98

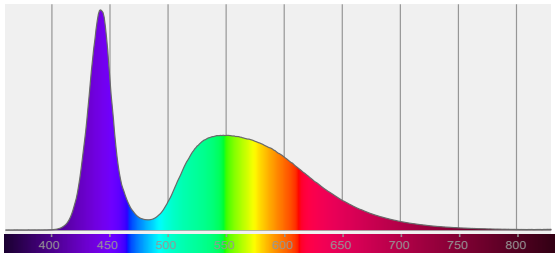
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

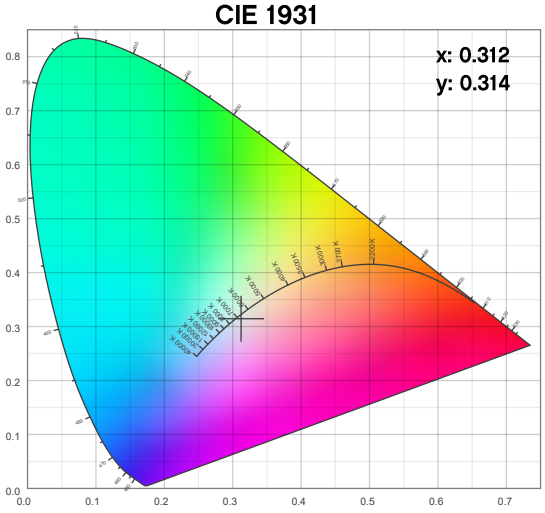
Angular Beam Distribution



Spectral Distribution



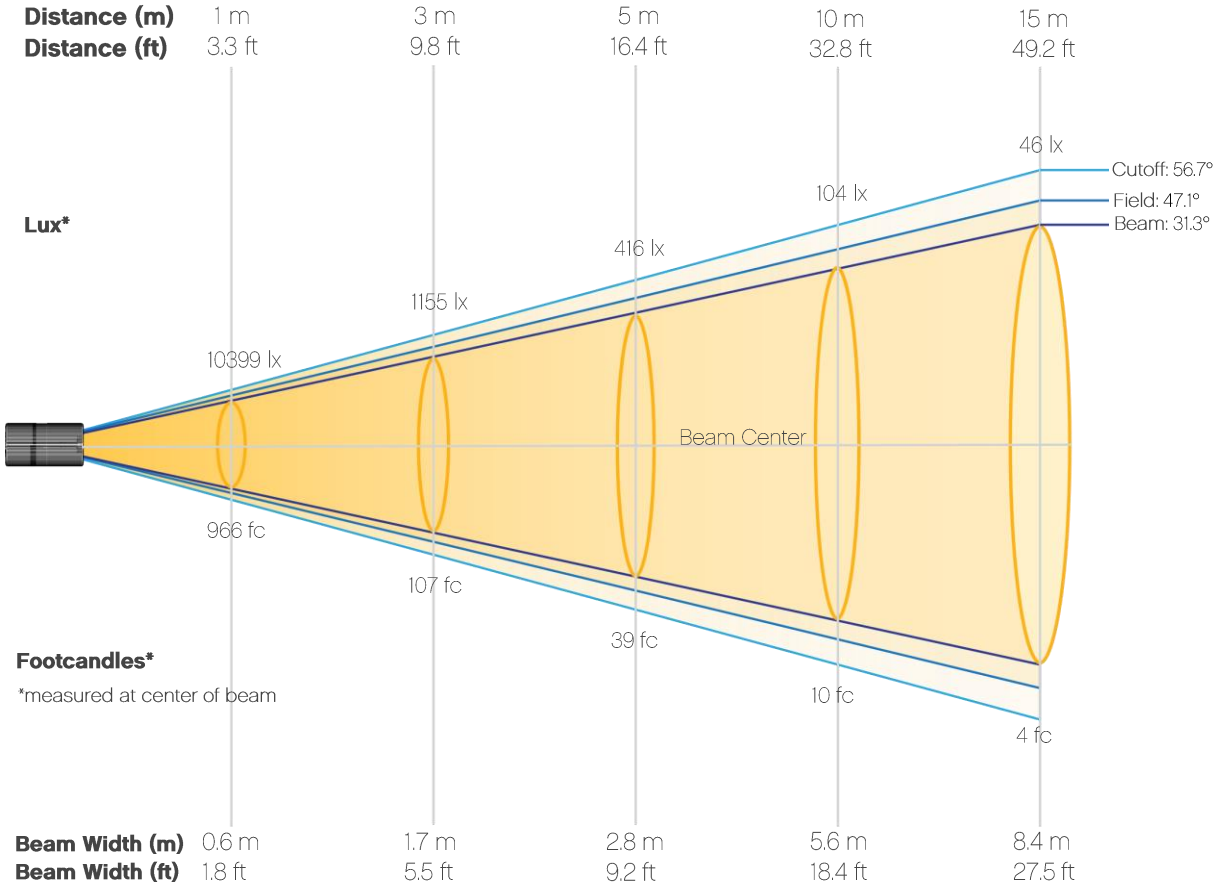
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Flood, White Only

Beam Details



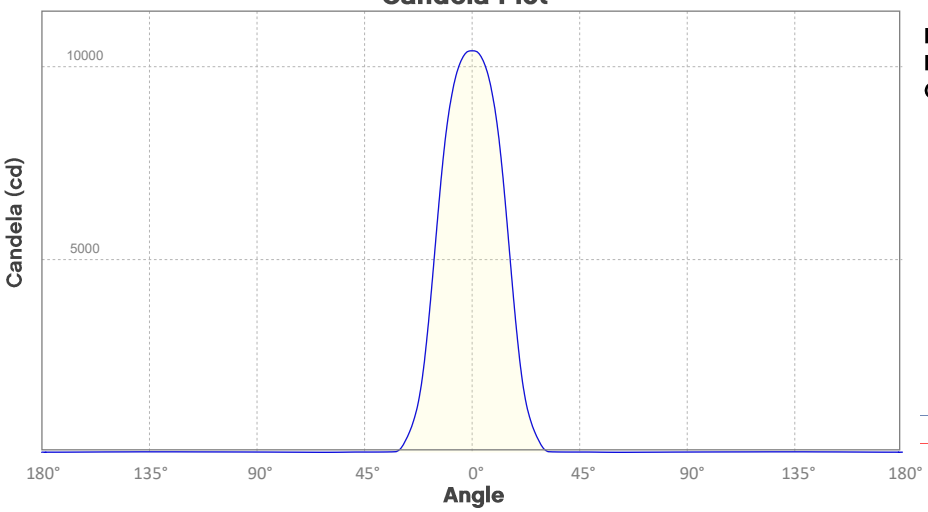
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	10399	2600	1155	650	416	289	212	162	128	104
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	86	72	62	53	46	41	36	32	29	26
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	966	242	107	60	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

Maverick Storm 1 Wash: Full Flood, White Only

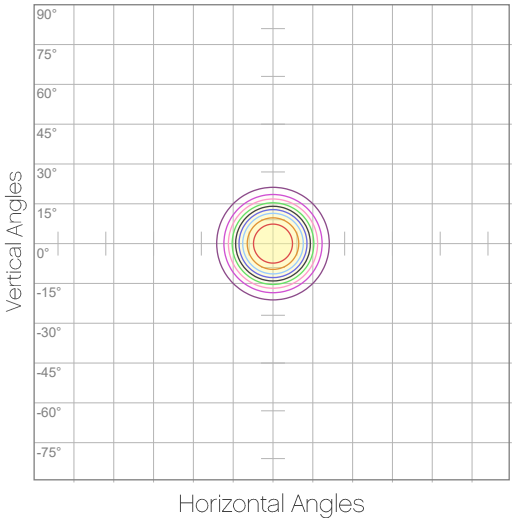
Candela Plot



Beam Angle (50%): 31.3°
Field Angle (10%): 47.1°
Cutoff Angle (3%): 56.7°

Horizontal Distribution
Vertical Distribution

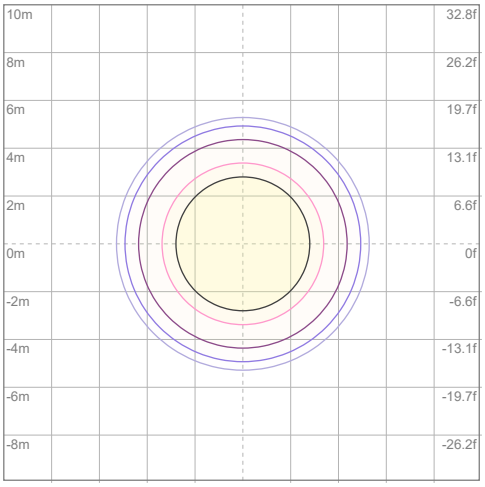
Polar Diagrams



iso-candela Diagram

10%	1040 cd
20%	2080 cd
30%	3120 cd
40%	4160 cd
50%	5200 cd
60%	6240 cd
70%	7280 cd
80%	8320 cd
90%	9360 cd

Conditions:
Number of c-planes: 2
Candela at center: 10399 cd



iso-illuminance Diagram

3%	3.12 lx
5%	5.20 lx
10%	10.4 lx
30%	31.2 lx
50%	52.0 lx

Conditions:
Number of c-planes: 2
Lux at center: 104 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Flood, 7500K

Report Summary

Output

Total Lumens: 5661 lm
Peak Intensity: 21133 cd
Illuminance @ 5m: 845 lux
Fixture Efficacy: 18 lm/W

Optical

Horizontal Beam Angle (50%): 30.3°
Vertical Beam Angle (50%): 30.3°
Horizontal Field Angle (10%): 46.3°
Vertical Field Angle (10%): 46.3°
Horizontal Cutoff Angle (3%): 56.3°
Vertical Cutoff Angle (3%): 56.3°

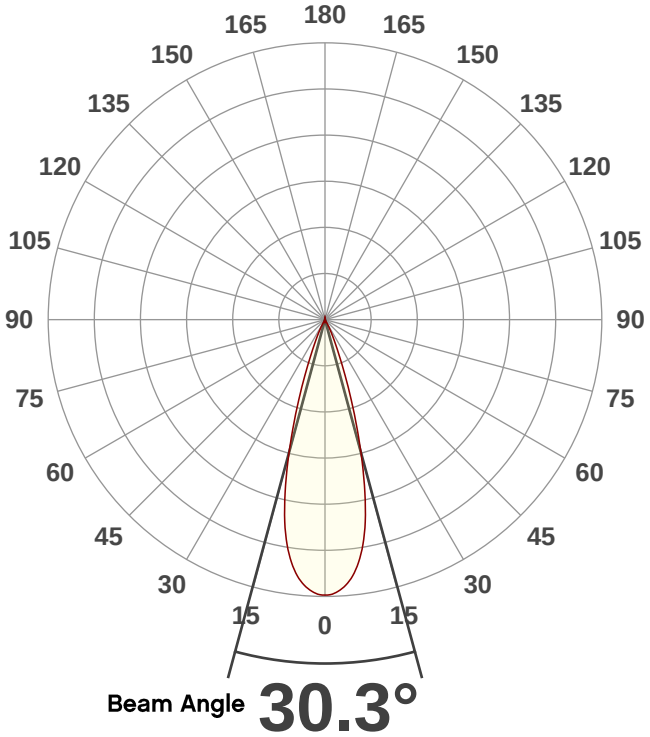
Conditions

AC Supply: 116 V, 60.1 Hz
Power: 316.42 W
Current: 2.72 A
Power Factor: 0.99

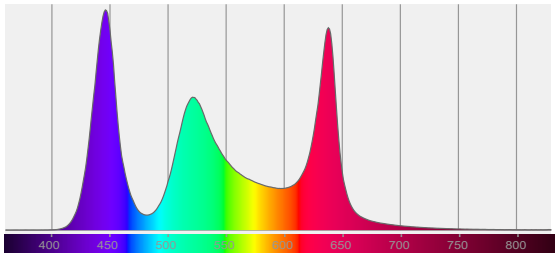
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

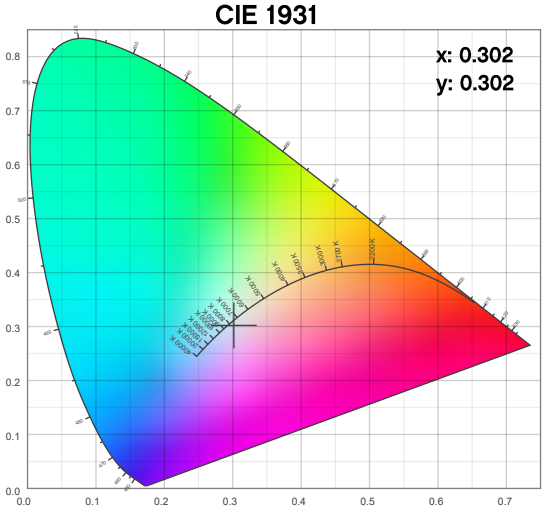
Angular Beam Distribution



Spectral Distribution



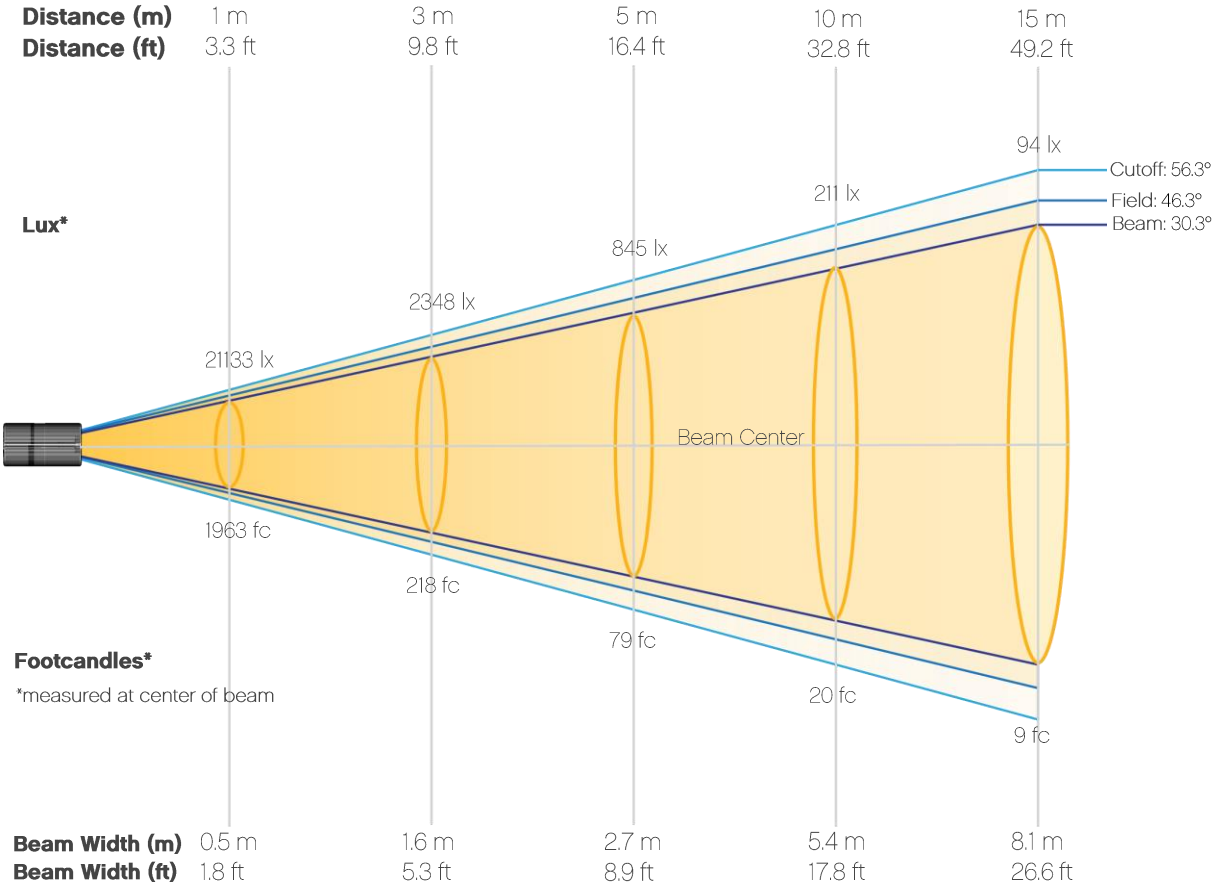
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Flood, 7500K

Beam Details



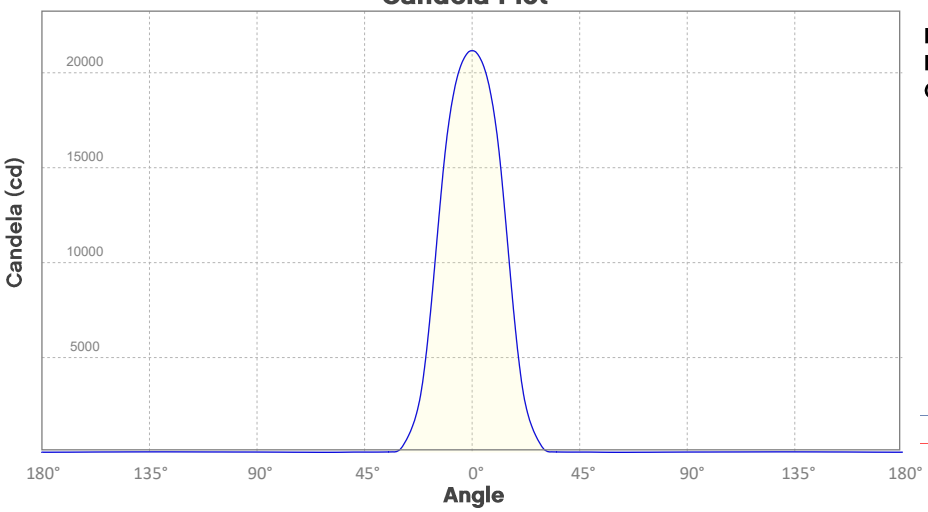
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	21133	5283	2348	1321	845	587	431	330	261	211
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	175	147	125	108	94	83	73	65	59	53
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1963	491	218	123	79	55	40	31	24	20
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	16	14	12	10	9	8	7	6	5	5

Photometric Report

Maverick Storm 1 Wash: Full Flood, 7500K

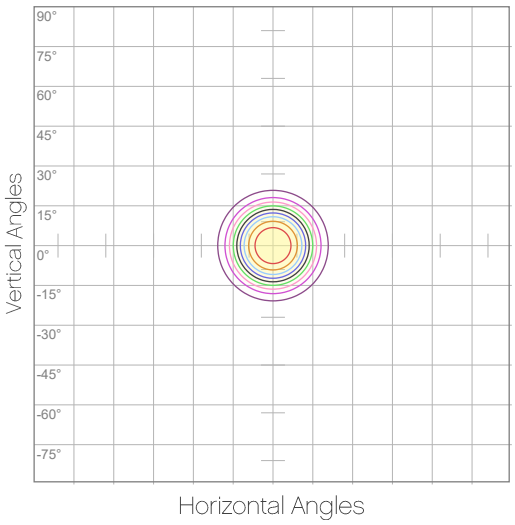
Candela Plot



Beam Angle (50%): 30.3°
Field Angle (10%): 46.3°
Cutoff Angle (3%): 56.3°

Horizontal Distribution
Vertical Distribution

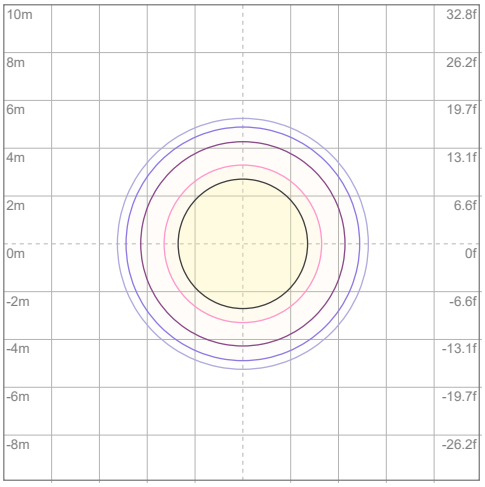
Polar Diagrams



iso-candela Diagram

10%	2113 cd
20%	4227 cd
30%	6340 cd
40%	8453 cd
50%	10566 cd
60%	12680 cd
70%	14793 cd
80%	16906 cd
90%	19019 cd

Conditions:
Number of c-planes: 2
Candela at center: 21133 cd



iso-illuminance Diagram

3%	6.34 lx
5%	10.6 lx
10%	21.1 lx
30%	63.4 lx
50%	106 lx

Conditions:
Number of c-planes: 2
Lux at center: 211 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Spot, Full Power

Report Summary

Output

Total Lumens: 4461 lm
Peak Intensity: 313169 cd
Illuminance @ 5m: 12527 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 6.7°
Vertical Beam Angle (50%): 6.7°
Horizontal Field Angle (10%): 10.3°
Vertical Field Angle (10%): 10.3°
Horizontal Cutoff Angle (3%): 12.2°
Vertical Cutoff Angle (3%): 12.2°

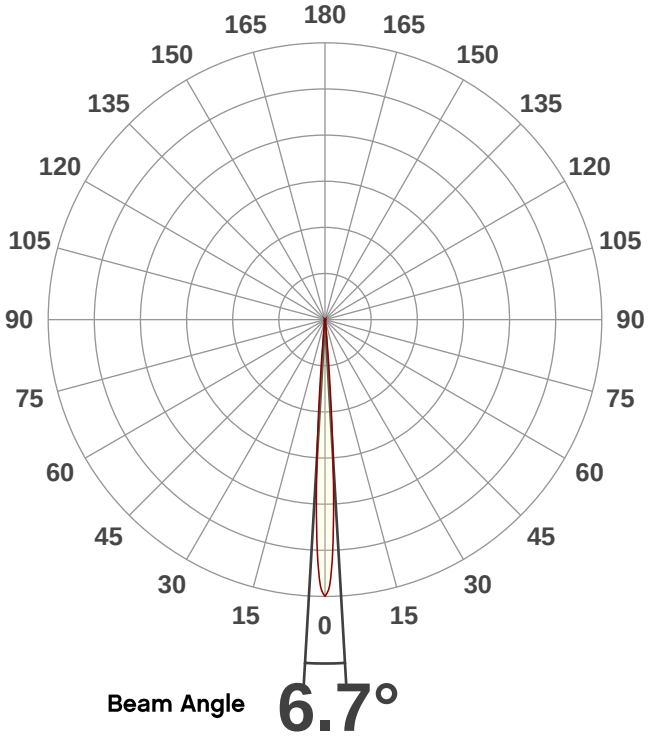
Conditions

AC Supply: 116 V, 60 Hz
Power: 377.91 W
Current: 3.27 A
Power Factor: 0.99

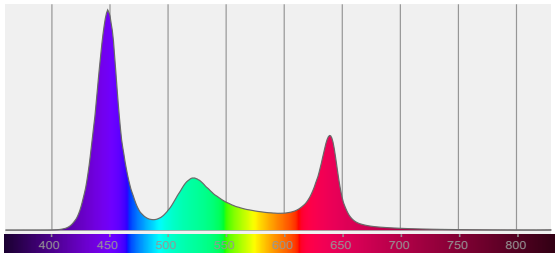
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/17/2019 to LM-63-2002 Standards.

Overall Measurement

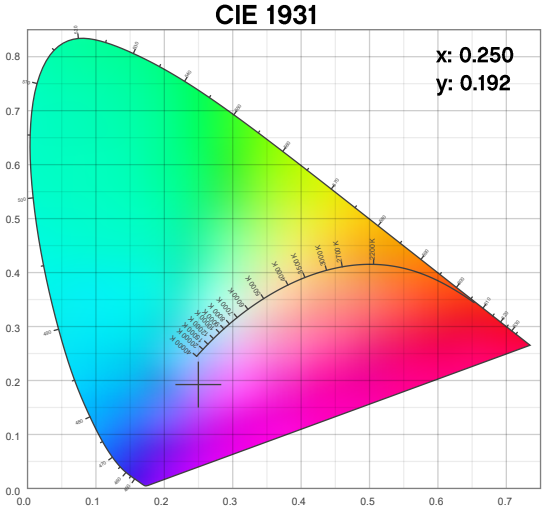
Angular Beam Distribution



Spectral Distribution



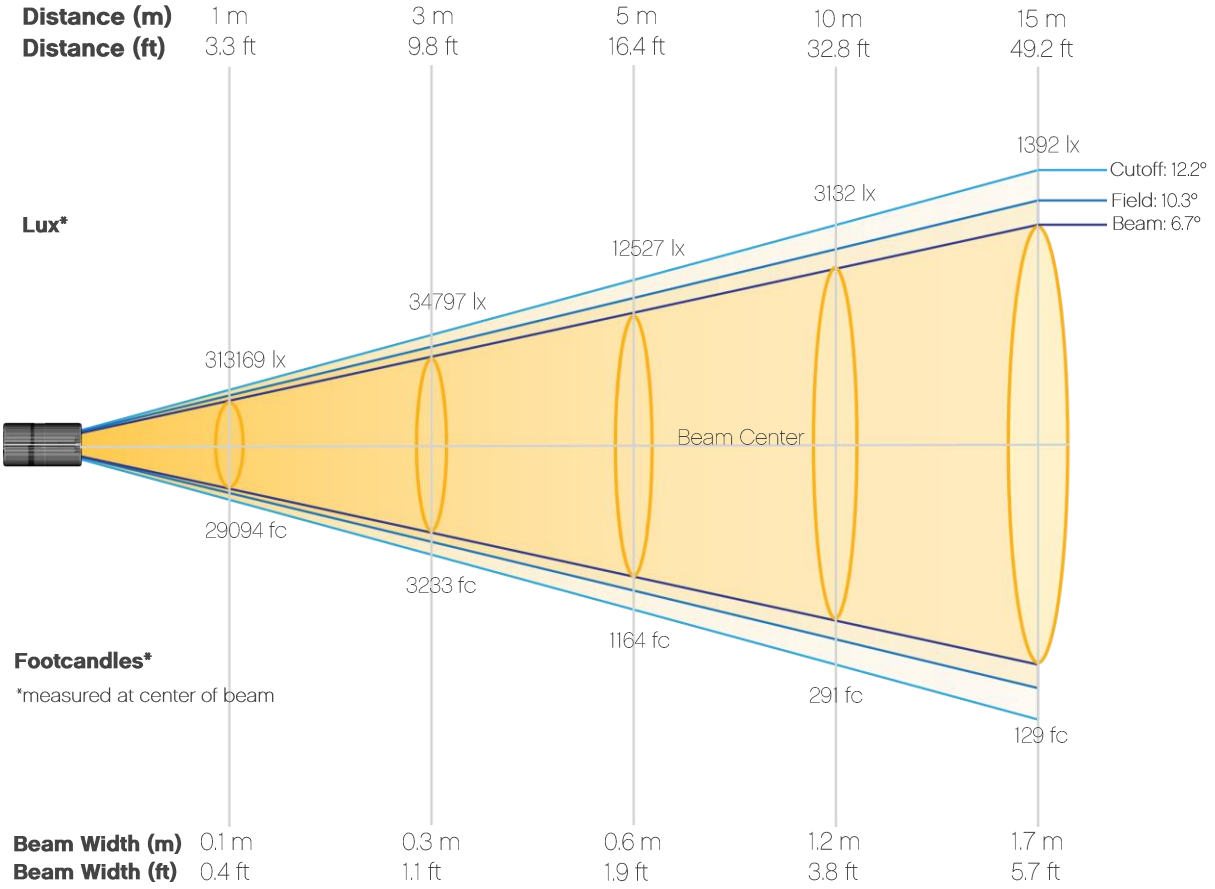
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Spot, Full Power

Beam Details



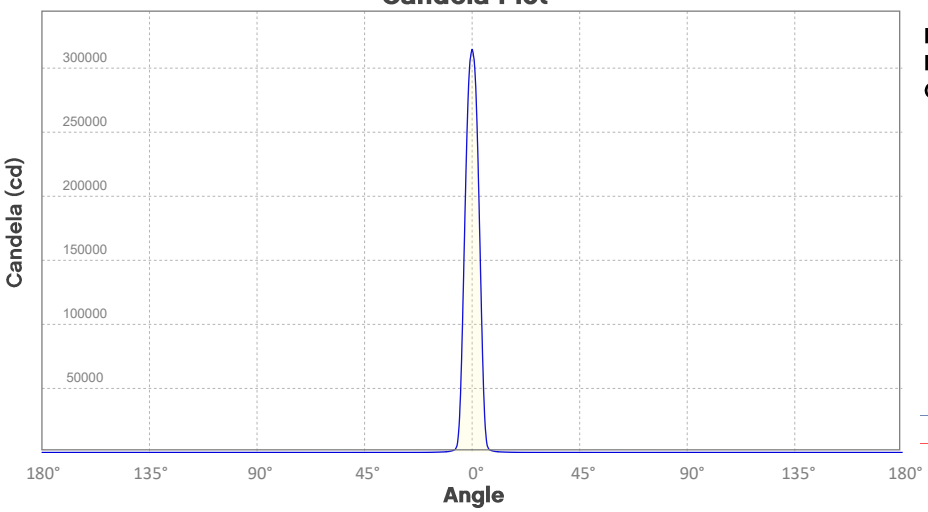
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	313169	78292	34797	19573	12527	8699	6391	4893	3866	3132
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2588	2175	1853	1598	1392	1223	1084	967	868	783
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	29094	7274	3233	1818	1164	808	594	455	359	291
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	240	202	172	148	129	114	101	90	81	73

Photometric Report

Maverick Storm 1 Wash: Full Spot, Full Power

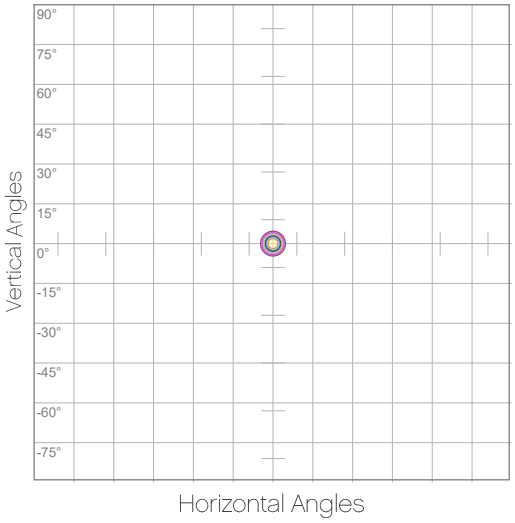
Candela Plot



Beam Angle (50%): 6.7°
Field Angle (10%): 10.3°
Cutoff Angle (3%): 12.2°

Horizontal Distribution
Vertical Distribution

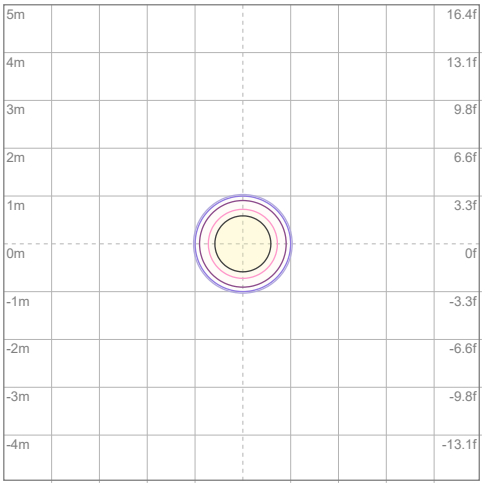
Polar Diagrams



iso-candela Diagram

10%	31317 cd
20%	62634 cd
30%	93951 cd
40%	125268 cd
50%	156585 cd
60%	187901 cd
70%	219218 cd
80%	250535 cd
90%	281852 cd

Conditions:
Number of c-planes: 2
Candela at center: 313169 cd



iso-illuminance Diagram

3%	94.0 lx
5%	157 lx
10%	313 lx
30%	940 lx
50%	1566 lx

Conditions:
Number of c-planes: 2
Lux at center: 3132 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Spot, Red Only

Report Summary

Output

Total Lumens: 703 lm
Peak Intensity: 44571 cd
Illuminance @ 5m: 1783 lux
Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 6.5°
Vertical Beam Angle (50%): 6.5°
Horizontal Field Angle (10%): 10.1°
Vertical Field Angle (10%): 10.1°
Horizontal Cutoff Angle (3%): 11.9°
Vertical Cutoff Angle (3%): 11.9°

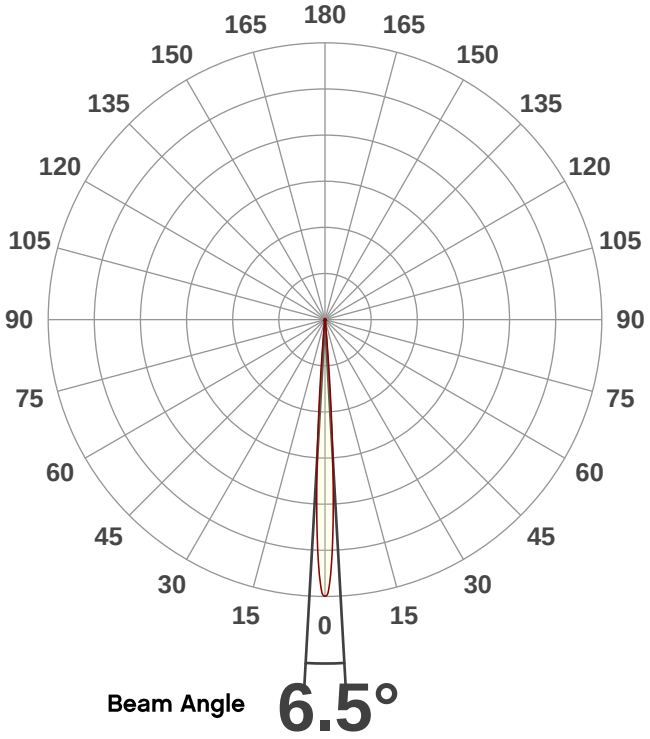
Conditions

AC Supply: 118 V, 60 Hz
Power: 135.47 W
Current: 1.15 A
Power Factor: 0.98

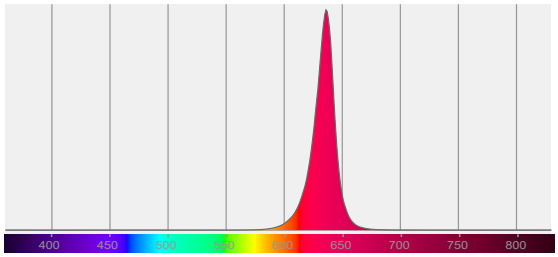
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

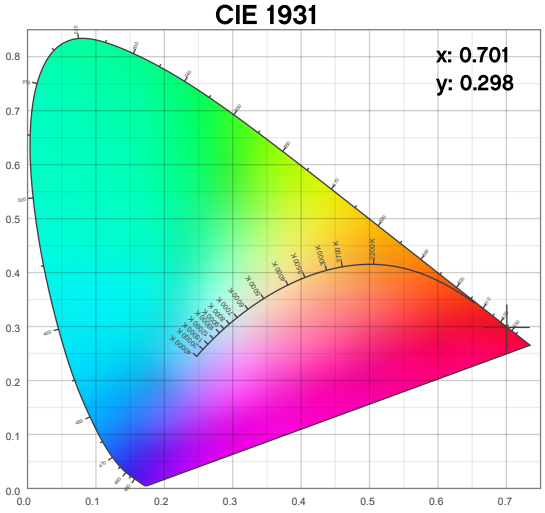
Angular Beam Distribution



Spectral Distribution



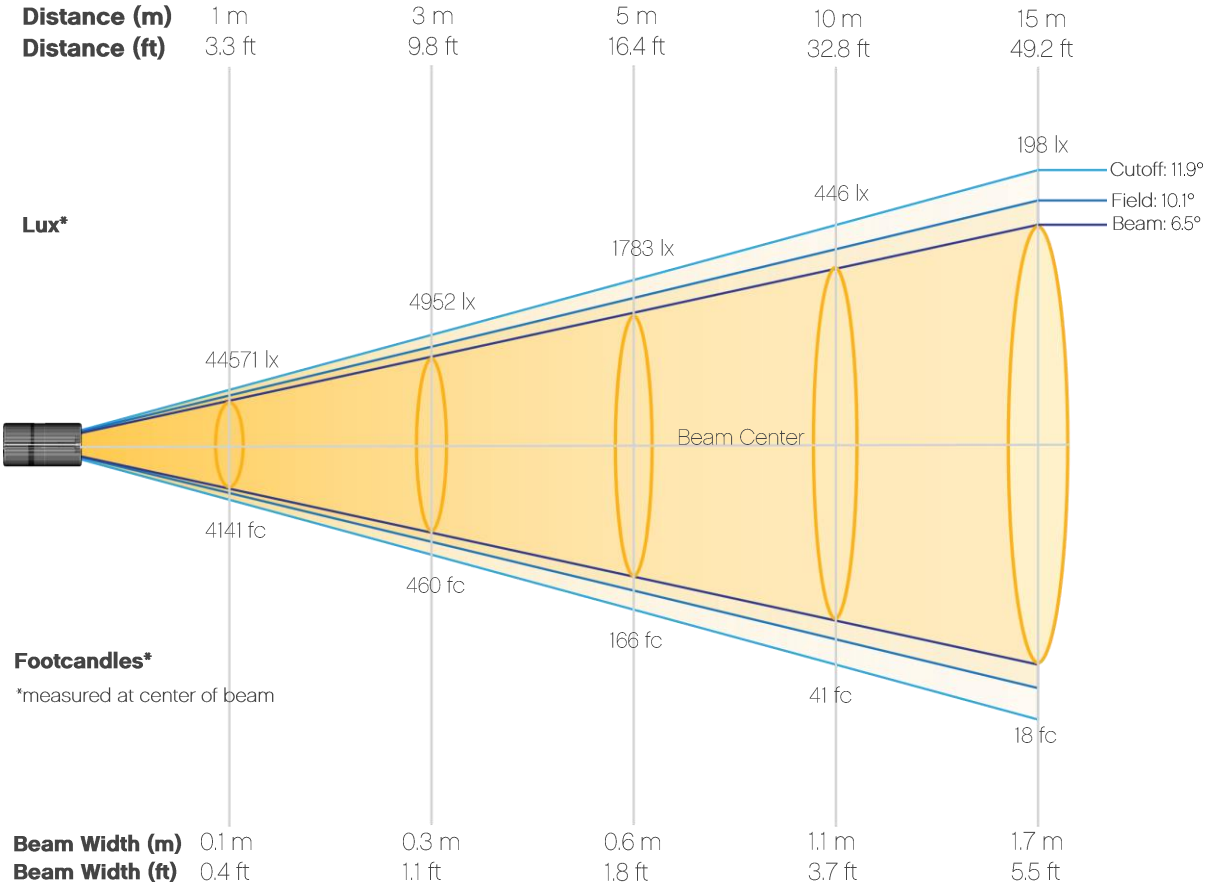
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Spot, Red Only

Beam Details



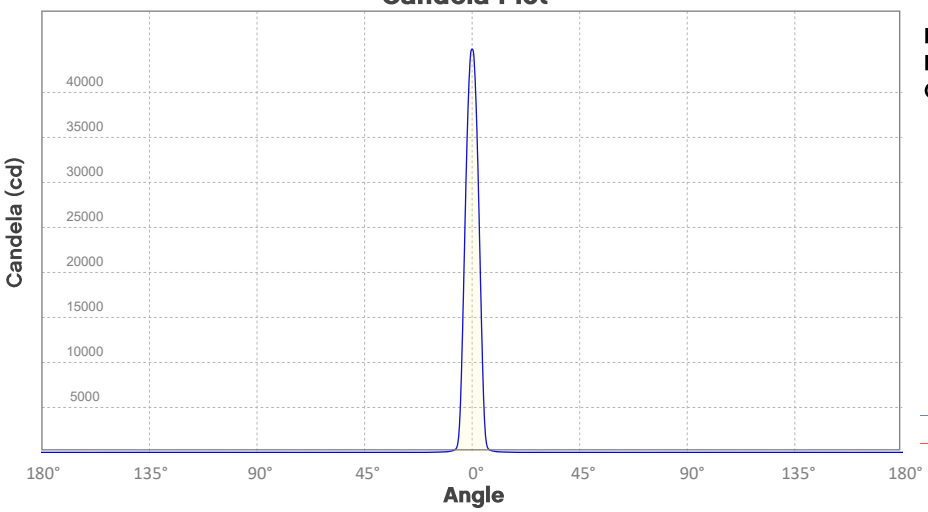
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	44571	11143	4952	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

Maverick Storm 1 Wash: Full Spot, Red Only

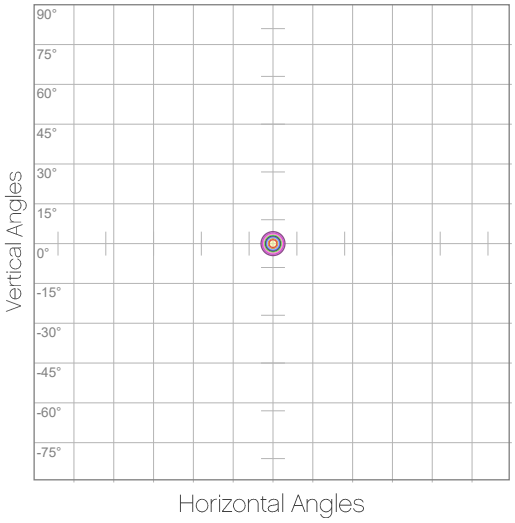
Candela Plot



Beam Angle (50%): 6.5°
Field Angle (10%): 10.1°
Cutoff Angle (3%): 11.9°

Horizontal Distribution
Vertical Distribution

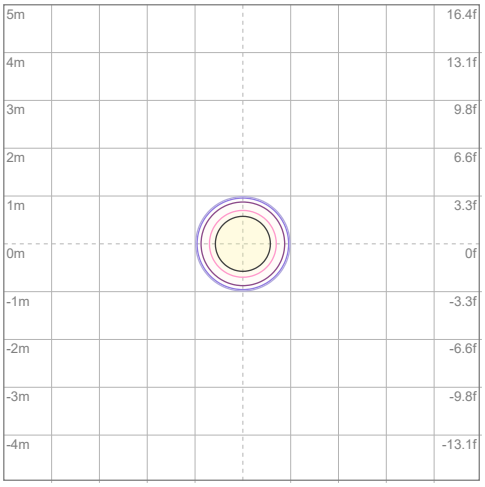
Polar Diagrams



iso-candela Diagram

10%	4457 cd
20%	8914 cd
30%	13371 cd
40%	17828 cd
50%	22286 cd
60%	26743 cd
70%	31200 cd
80%	35657 cd
90%	40114 cd

Conditions:
Number of c-planes: 2
Candela at center: 44571 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

Maverick Storm 1 Wash: Full Spot, Green Only

Report Summary

Output

Total Lumens: 1300 lm
Peak Intensity: 94966 cd
Illuminance @ 5m: 3799 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10.1°
Vertical Field Angle (10%): 10.1°
Horizontal Cutoff Angle (3%): 12.1°
Vertical Cutoff Angle (3%): 12.1°

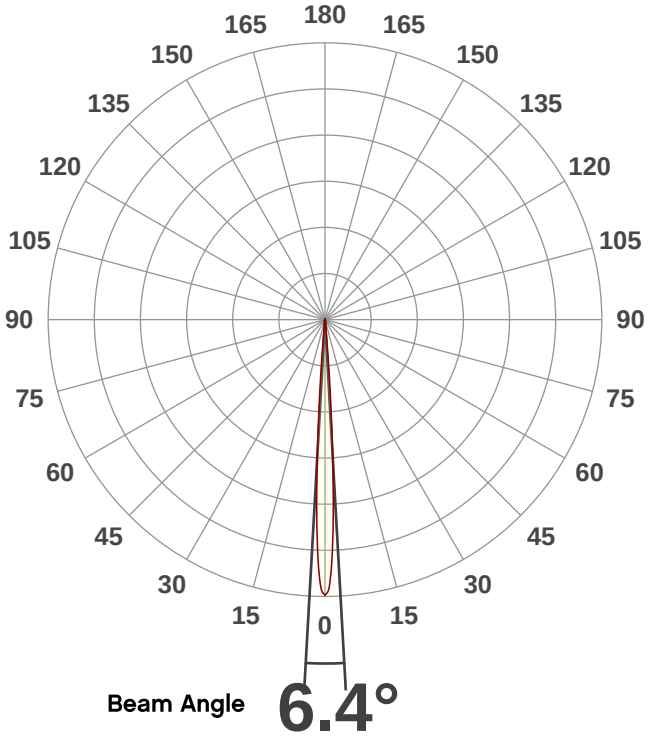
Conditions

AC Supply: 117 V, 60 Hz
Power: 176.66 W
Current: 1.51 A
Power Factor: 0.98

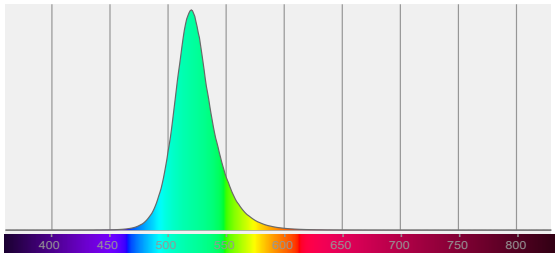
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

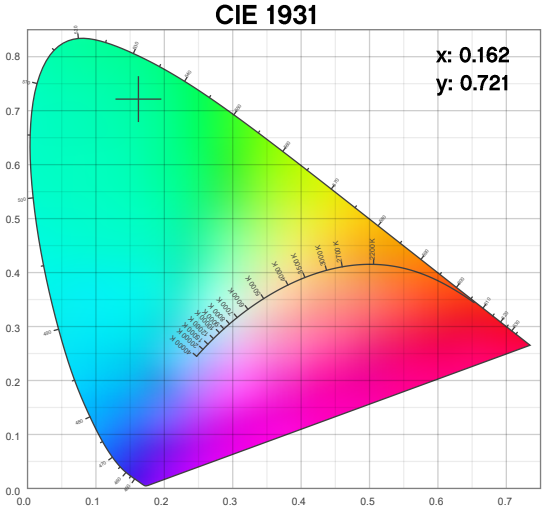
Angular Beam Distribution



Spectral Distribution



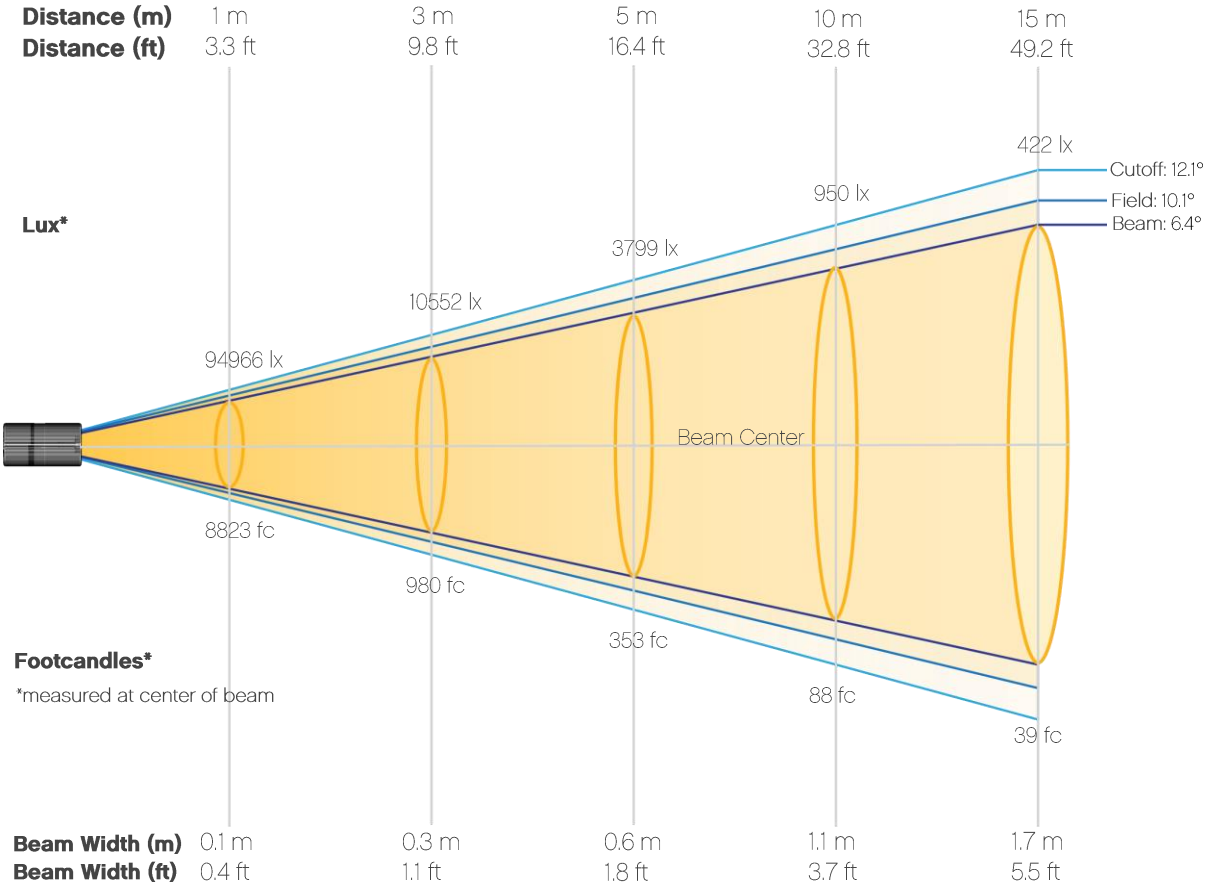
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Spot, Green Only

Beam Details



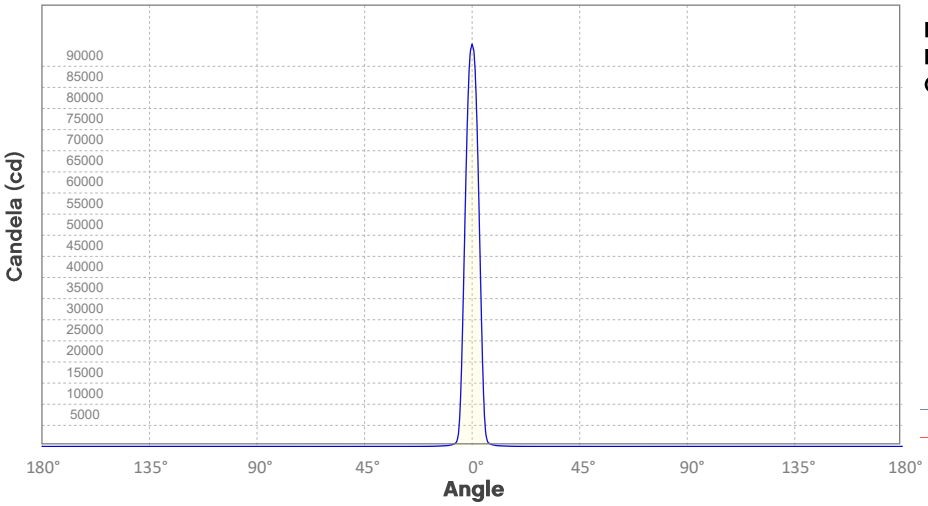
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	94966	23742	10552	5935	3799	2638	1938	1484	1172	950
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	785	659	562	485	422	371	329	293	263	237
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	8823	2206	980	551	353	245	180	138	109	88
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	73	61	52	45	39	34	31	27	24	22

Photometric Report

Maverick Storm 1 Wash: Full Spot, Green Only

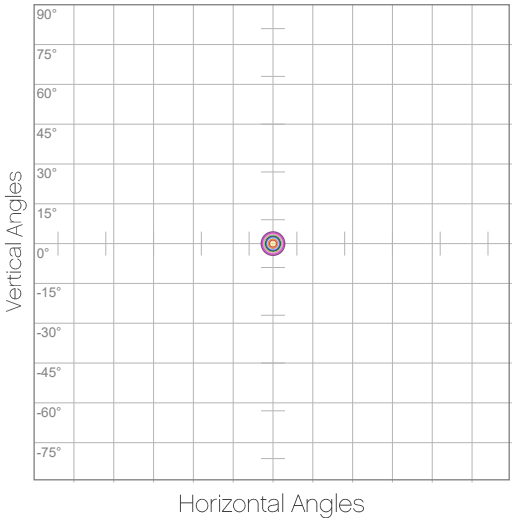
Candela Plot



Beam Angle (50%): 6.4°
Field Angle (10%): 10.1°
Cutoff Angle (3%): 12.1°

Horizontal Distribution
Vertical Distribution

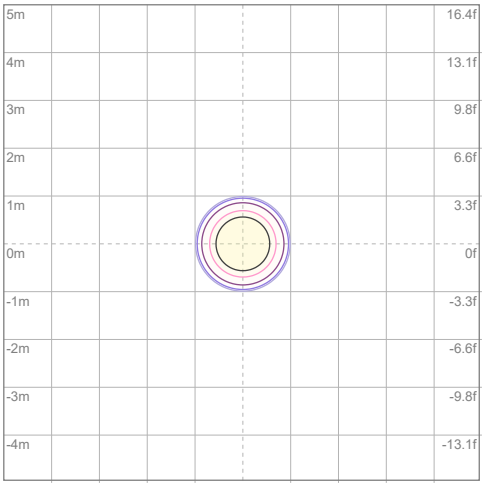
Polar Diagrams



iso-candela Diagram

10%	9497 cd
20%	18993 cd
30%	28490 cd
40%	37987 cd
50%	47483 cd
60%	56980 cd
70%	66476 cd
80%	75973 cd
90%	85470 cd

Conditions:
Number of c-planes: 2
Candela at center: 94966 cd



iso-illuminance Diagram

3%	28.5 lx
5%	47.5 lx
10%	95.0 lx
30%	285 lx
50%	475 lx

Conditions:
Number of c-planes: 2
Lux at center: 950 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Spot, Blue Only

Report Summary

Output

Total Lumens: 422 lm
Peak Intensity: 24552 cd
Illuminance @ 5m: 982 lux
Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10.1°
Vertical Field Angle (10%): 10.1°
Horizontal Cutoff Angle (3%): 12.3°
Vertical Cutoff Angle (3%): 12.3°

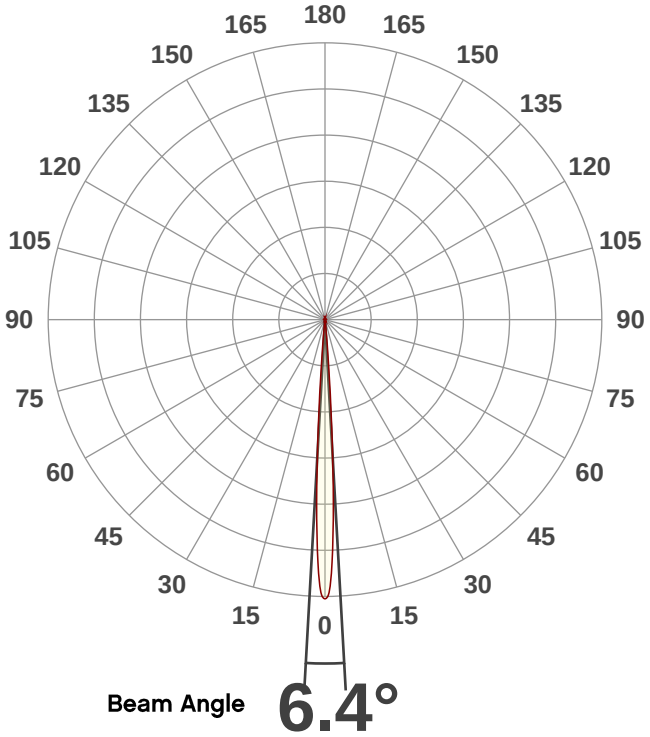
Conditions

AC Supply: 117 V, 60 Hz
Power: 160.5 W
Current: 1.37 A
Power Factor: 0.98

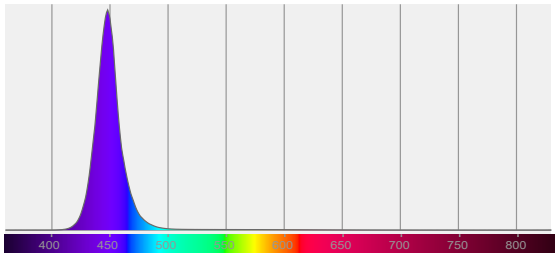
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

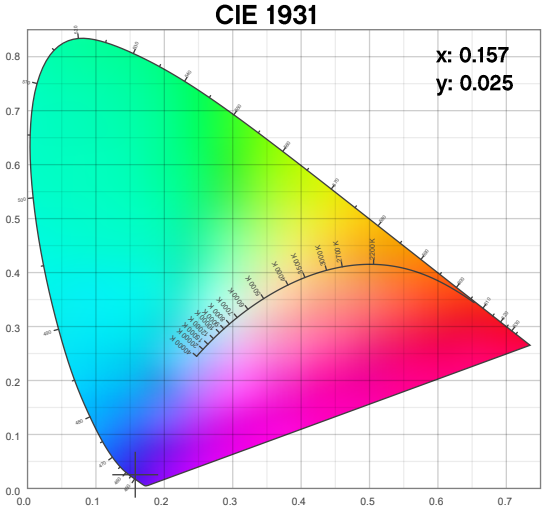
Angular Beam Distribution



Spectral Distribution



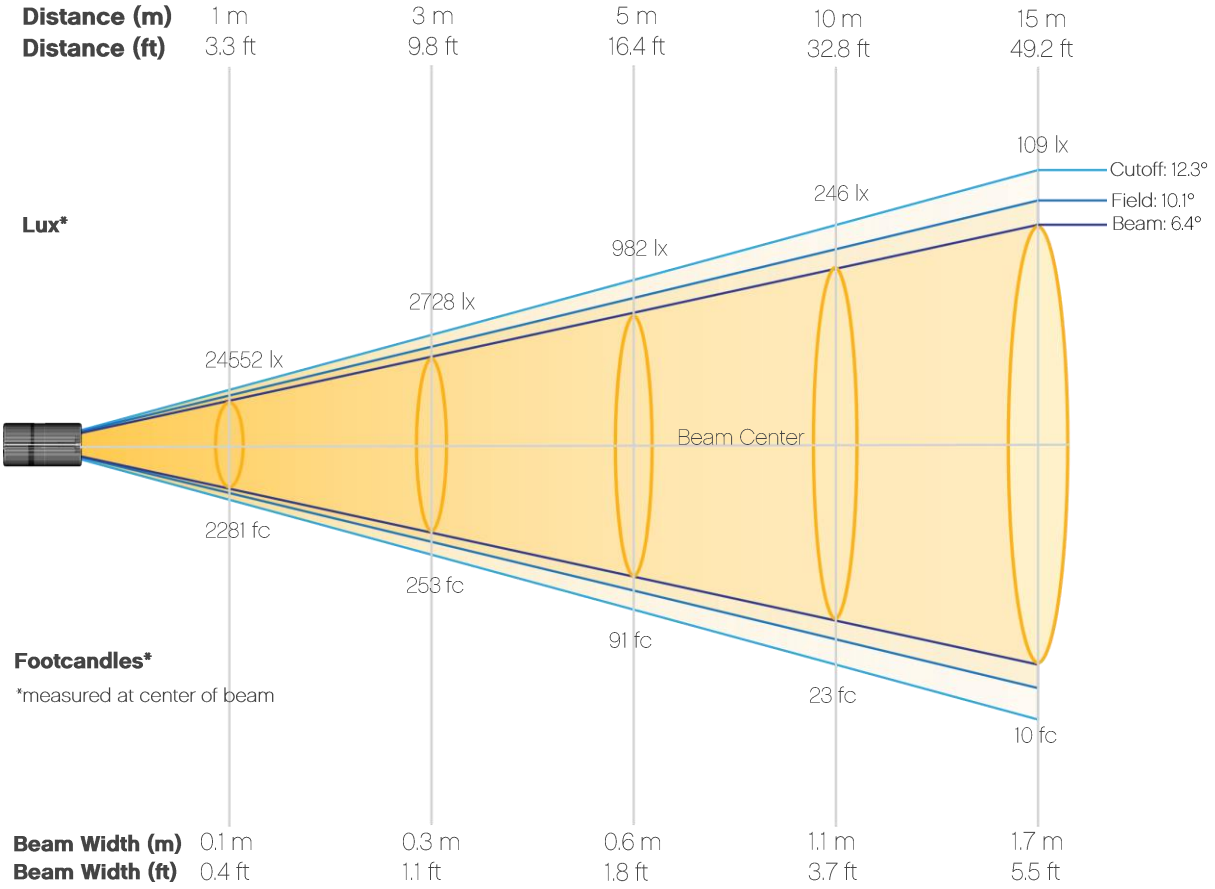
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Spot, Blue Only

Beam Details



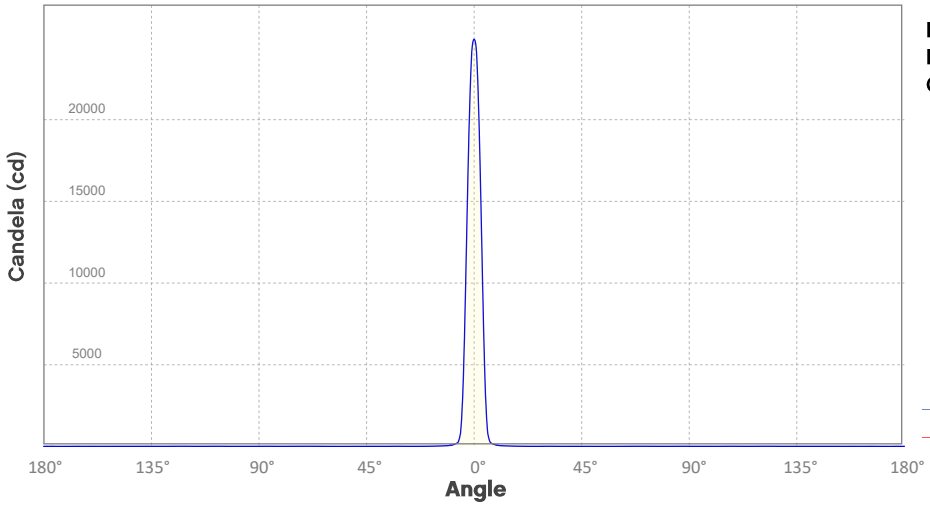
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	24552	6138	2728	1534	982	682	501	384	303	246
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	203	170	145	125	109	96	85	76	68	61
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2281	570	253	143	91	63	47	36	28	23
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	19	16	13	12	10	9	8	7	6	6

Photometric Report

Maverick Storm 1 Wash: Full Spot, Blue Only

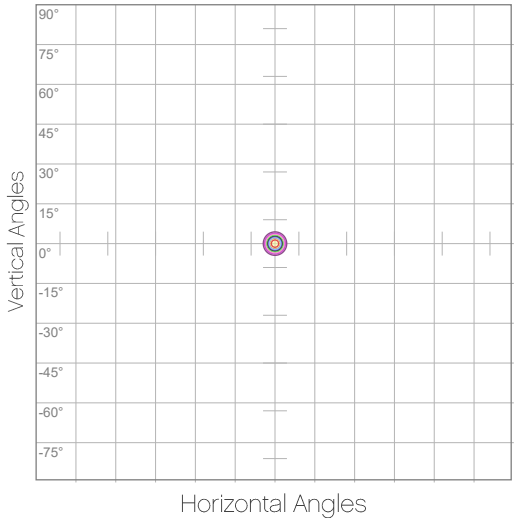
Candela Plot



Beam Angle (50%): 6.4°
Field Angle (10%): 10.1°
Cutoff Angle (3%): 12.3°

Horizontal Distribution
Vertical Distribution

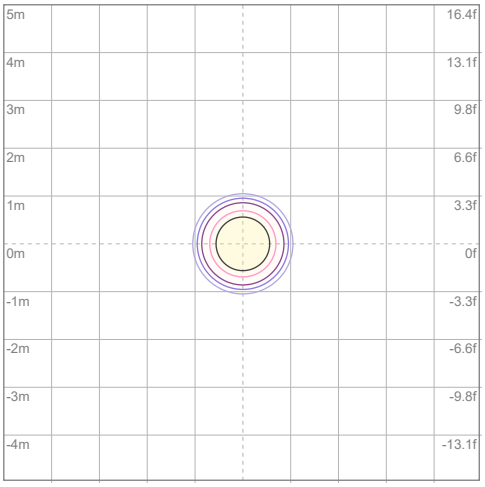
Polar Diagrams



iso-candela Diagram

	10%	2455 cd
	20%	4910 cd
	30%	7366 cd
	40%	9821 cd
	50%	12276 cd
	60%	14731 cd
	70%	17186 cd
	80%	19642 cd
	90%	22097 cd

Conditions:
Number of c-planes: 2
Candela at center: 24552 cd



iso-illuminance Diagram

	3%	7.37 lx
	5%	12.3 lx
	10%	24.6 lx
	30%	73.7 lx
	50%	123 lx

Conditions:
Number of c-planes: 2
Lux at center: 246 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Spot, White Only

Report Summary

Output

Total Lumens: 1833 lm
Peak Intensity: 136922 cd
Illuminance @ 5m: 5477 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10°
Vertical Field Angle (10%): 10°
Horizontal Cutoff Angle (3%): 11.9°
Vertical Cutoff Angle (3%): 11.9°

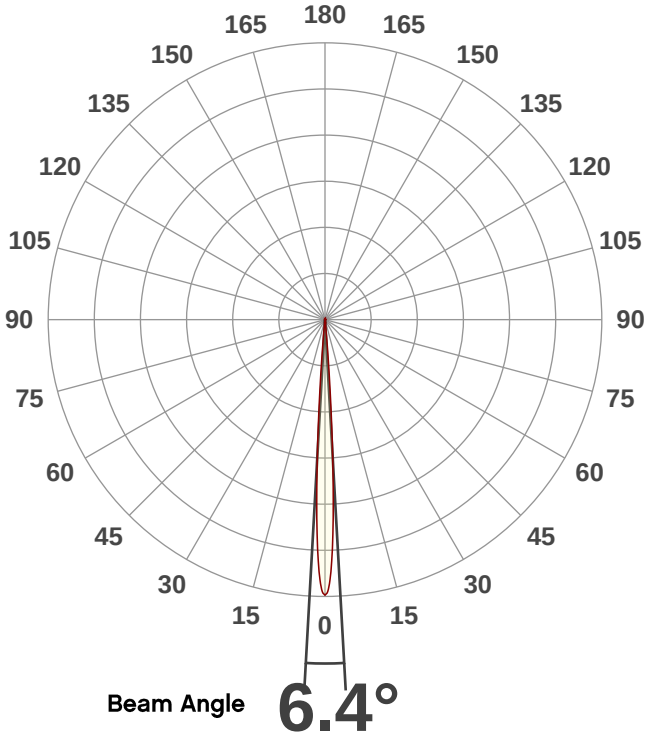
Conditions

AC Supply: 117 V, 60 Hz
Power: 160.44 W
Current: 1.37 A
Power Factor: 0.98

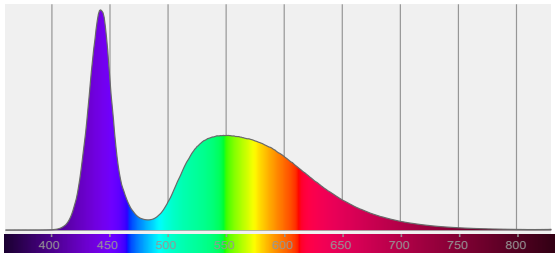
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

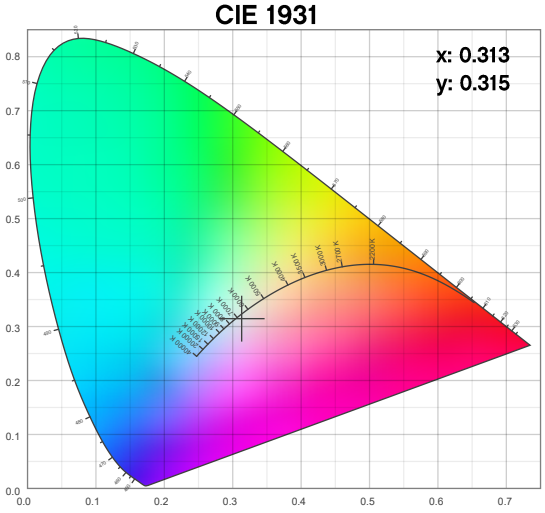
Angular Beam Distribution



Spectral Distribution



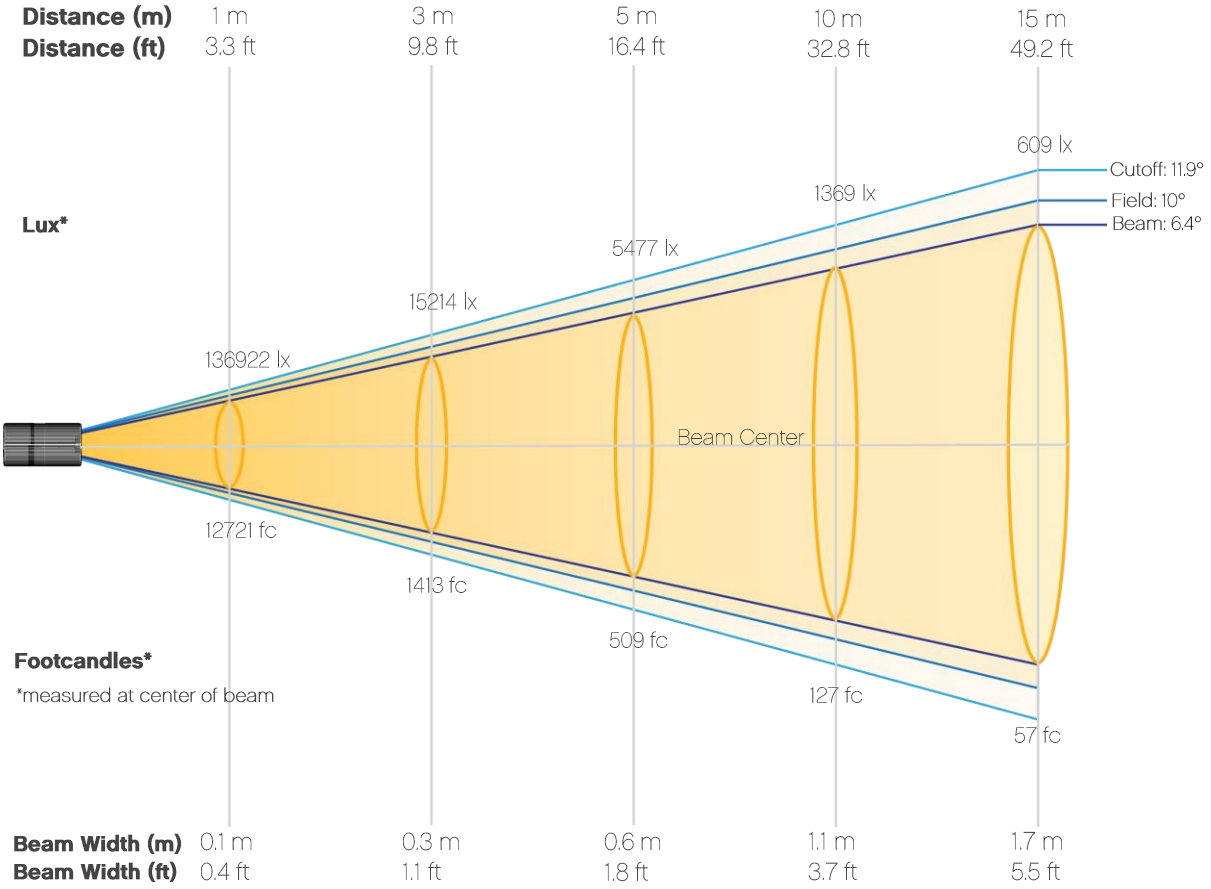
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Spot, White Only

Beam Details



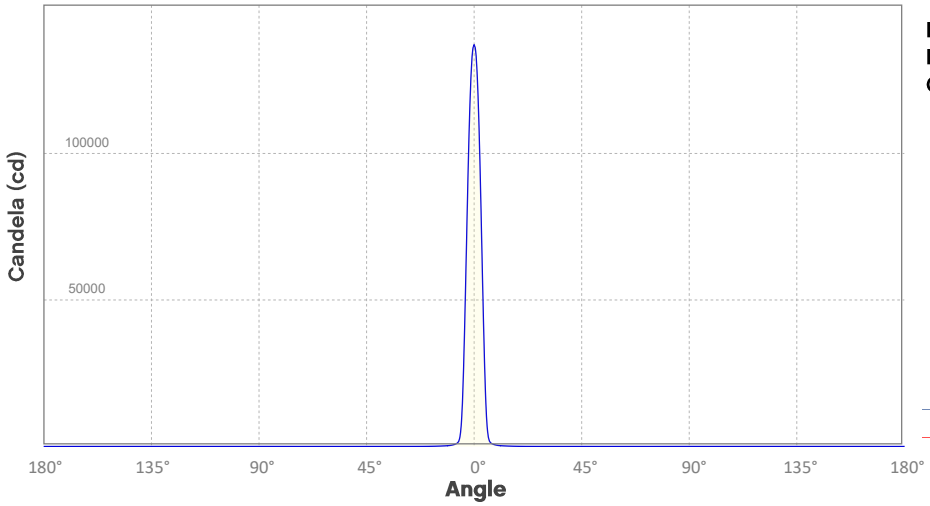
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	136922	34231	15214	8558	5477	3803	2794	2139	1690	1369
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1132	951	810	699	609	535	474	423	379	342
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	12721	3180	1413	795	509	353	260	199	157	127
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	105	88	75	65	57	50	44	39	35	32

Photometric Report

Maverick Storm 1 Wash: Full Spot, White Only

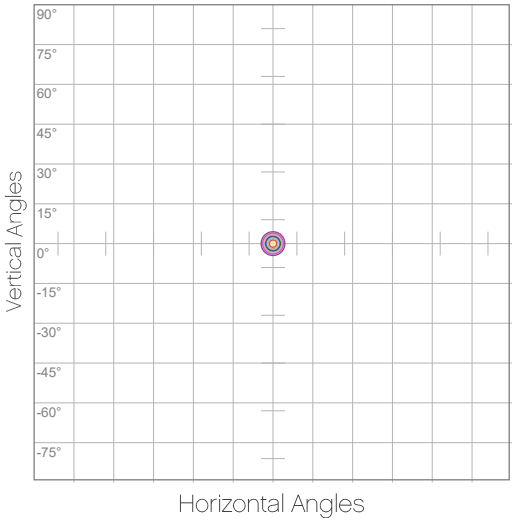
Candela Plot



Beam Angle (50%): 6.4°
Field Angle (10%): 10°
Cutoff Angle (3%): 11.9°

Horizontal Distribution
Vertical Distribution

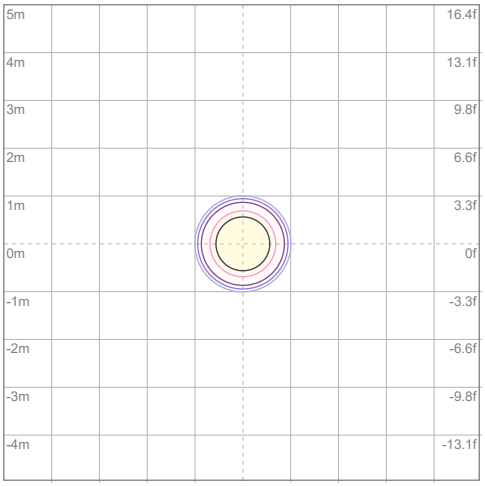
Polar Diagrams



iso-candela Diagram

10%	13692 cd
20%	27384 cd
30%	41077 cd
40%	54769 cd
50%	68461 cd
60%	82153 cd
70%	95846 cd
80%	109538 cd
90%	123230 cd

Conditions:
Number of c-planes: 2
Candela at center: 136922 cd



iso-illuminance Diagram

3%	41.1 lx
5%	68.5 lx
10%	137 lx
30%	411 lx
50%	685 lx

Conditions:
Number of c-planes: 2
Lux at center: 1369 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: Full Spot, 7500K

Report Summary

Output

Total Lumens: 3581 lm
Peak Intensity: 267412 cd
Illuminance @ 5m: 10696 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10°
Vertical Field Angle (10%): 10°
Horizontal Cutoff Angle (3%): 11.9°
Vertical Cutoff Angle (3%): 11.9°

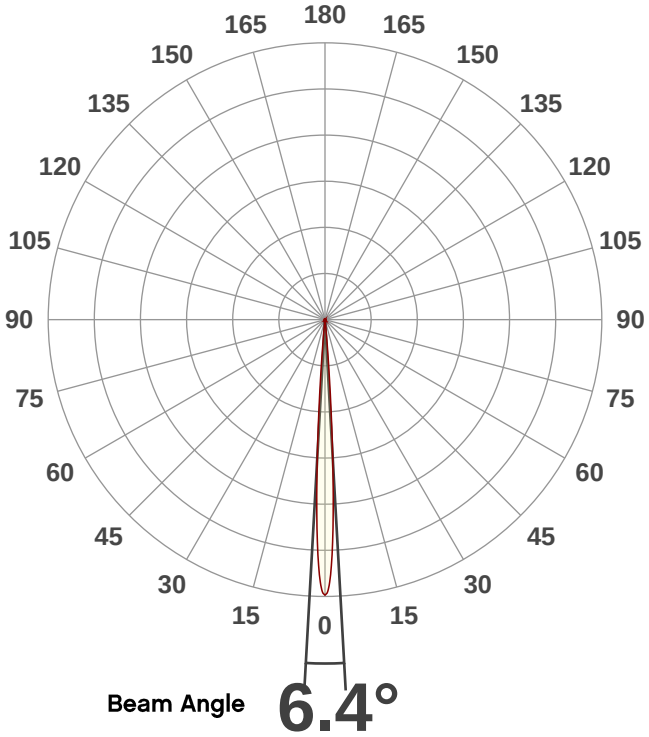
Conditions

AC Supply: 116 V, 60 Hz
Power: 315.88 W
Current: 2.72 A
Power Factor: 0.99

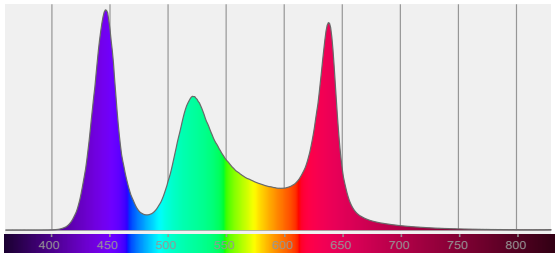
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

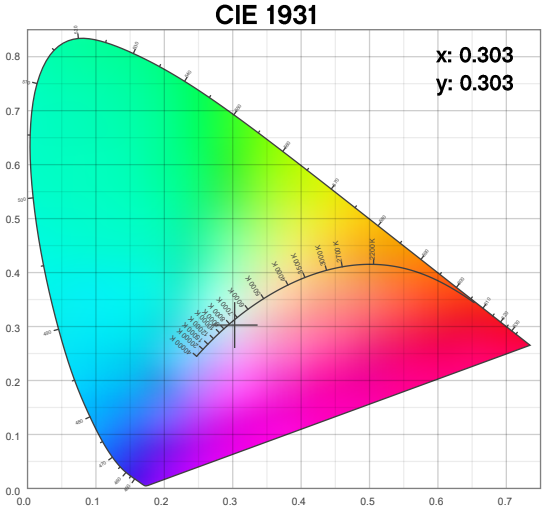
Angular Beam Distribution



Spectral Distribution



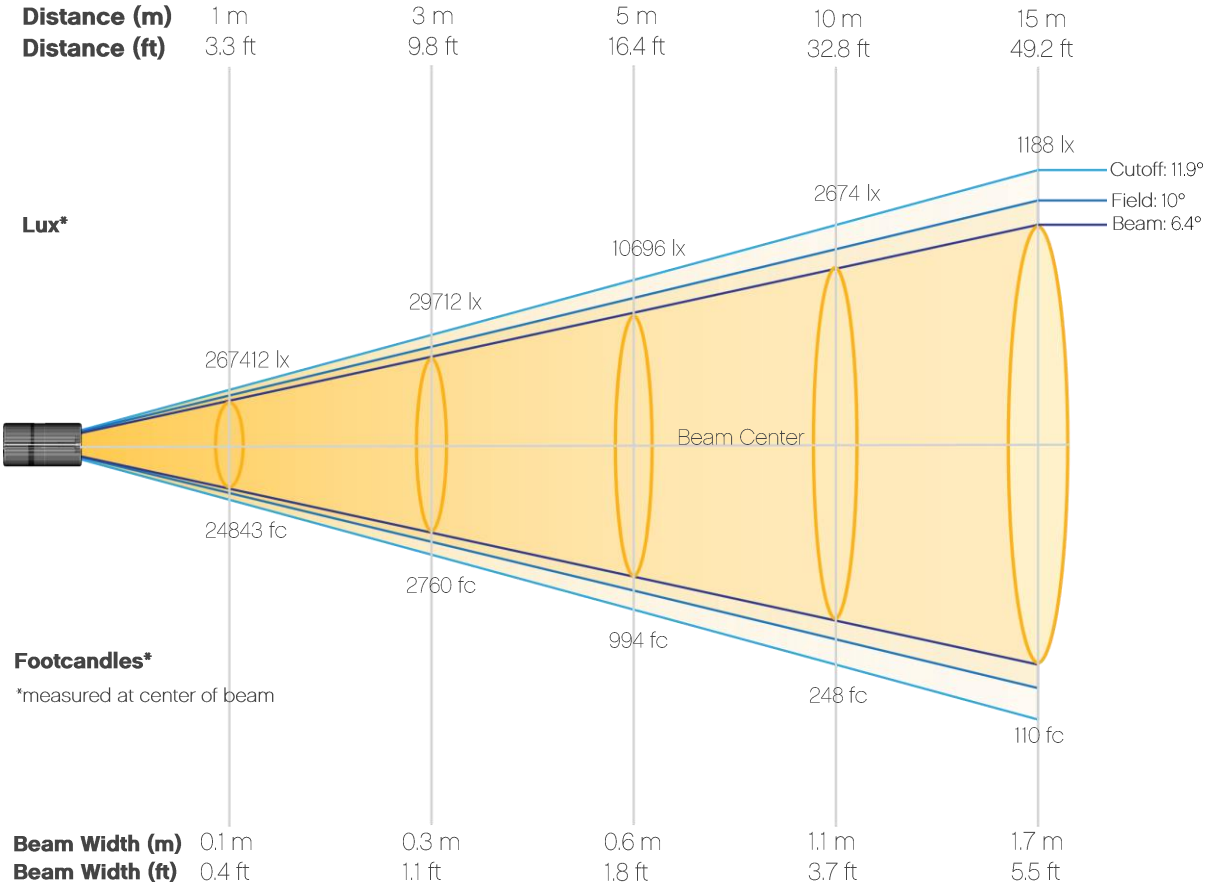
CIE 1931



Photometric Report

Maverick Storm 1 Wash: Full Spot, 7500K

Beam Details



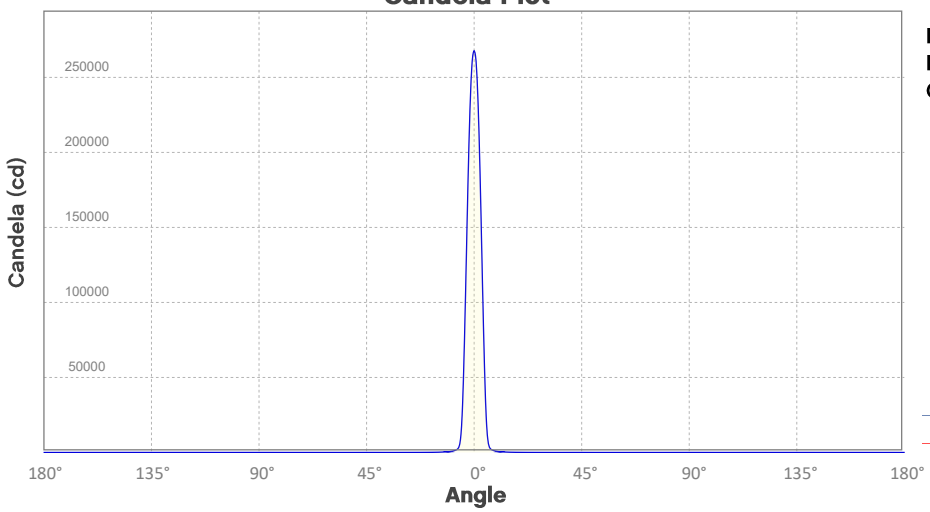
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	267412	66853	29712	16713	10696	7428	5457	4178	3301	2674
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2210	1857	1582	1364	1188	1045	925	825	741	669
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	24843	6211	2760	1553	994	690	507	388	307	248
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	205	173	147	127	110	97	86	77	69	62

Photometric Report

Maverick Storm 1 Wash: Full Spot, 7500K

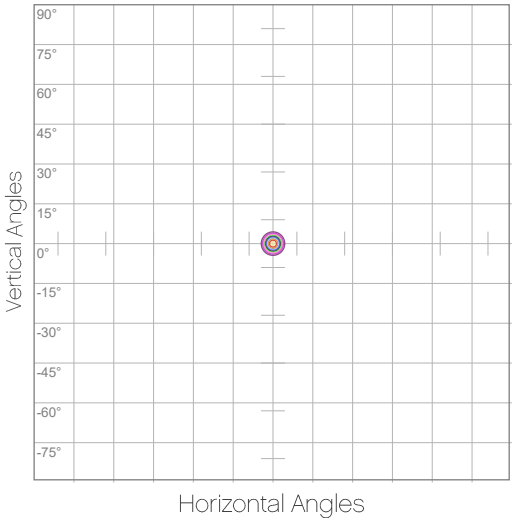
Candela Plot



Beam Angle (50%): 6.4°
Field Angle (10%): 10°
Cutoff Angle (3%): 11.9°

Horizontal Distribution
Vertical Distribution

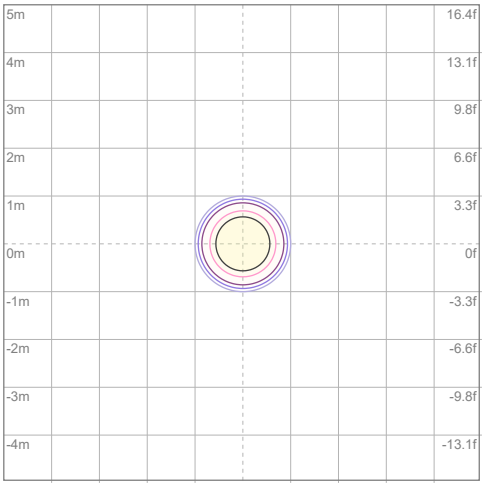
Polar Diagrams



iso-candela Diagram

10%	26741 cd
20%	53482 cd
30%	80224 cd
40%	106965 cd
50%	133706 cd
60%	160447 cd
70%	187189 cd
80%	213930 cd
90%	240671 cd

Conditions:
Number of c-planes: 2
Candela at center: 267412 cd



iso-illuminance Diagram

3%	80.2 lx
5%	134 lx
10%	267 lx
30%	802 lx
50%	1337 lx

Conditions:
Number of c-planes: 2
Lux at center: 2674 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Full Power

Report Summary

Output

Total Lumens: 5768 lm
Peak Intensity: 56224 cd
Illuminance @ 5m: 2249 lux
Fixture Efficacy: 15 lm/W

Optical

Horizontal Beam Angle (50%): 19.2°
Vertical Beam Angle (50%): 19.2°
Horizontal Field Angle (10%): 27°
Vertical Field Angle (10%): 27°
Horizontal Cutoff Angle (3%): 30.3°
Vertical Cutoff Angle (3%): 30.3°

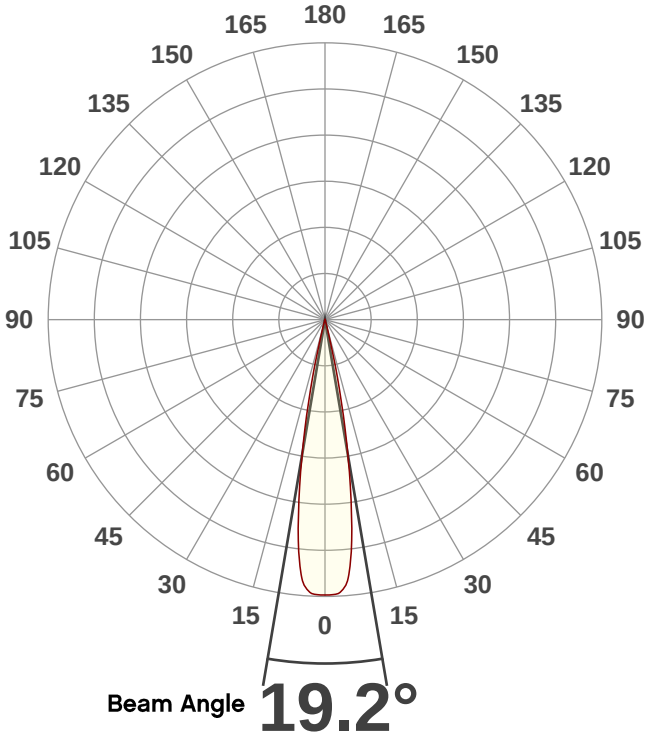
Conditions

AC Supply: 116 V, 60 Hz
Power: 379.27 W
Current: 3.27 A
Power Factor: 0.99

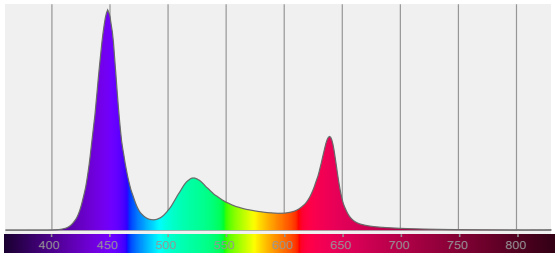
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/17/2019 to LM-63-2002 Standards.

Overall Measurement

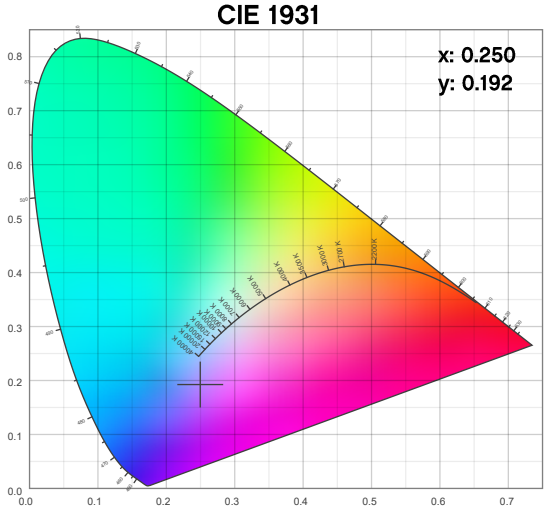
Angular Beam Distribution



Spectral Distribution



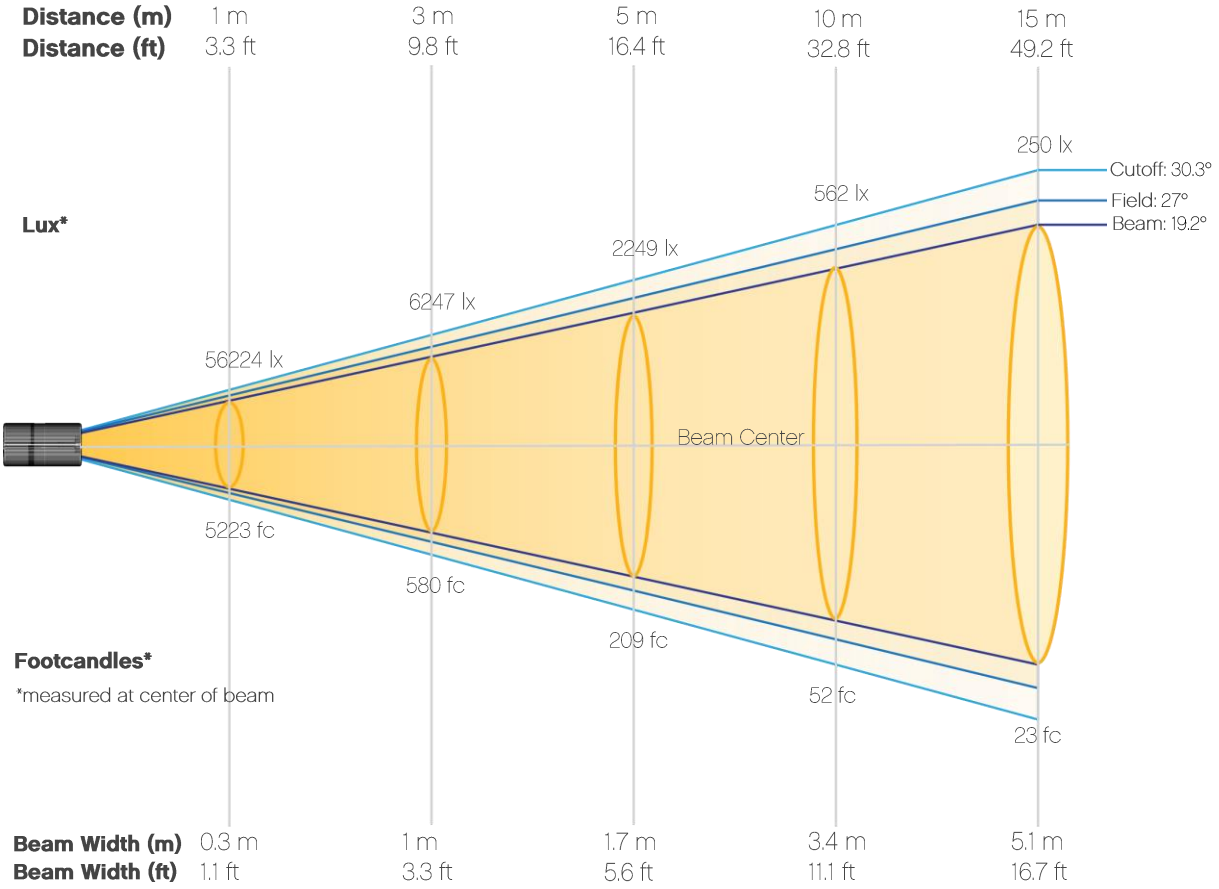
CIE 1931



Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Full Power

Beam Details



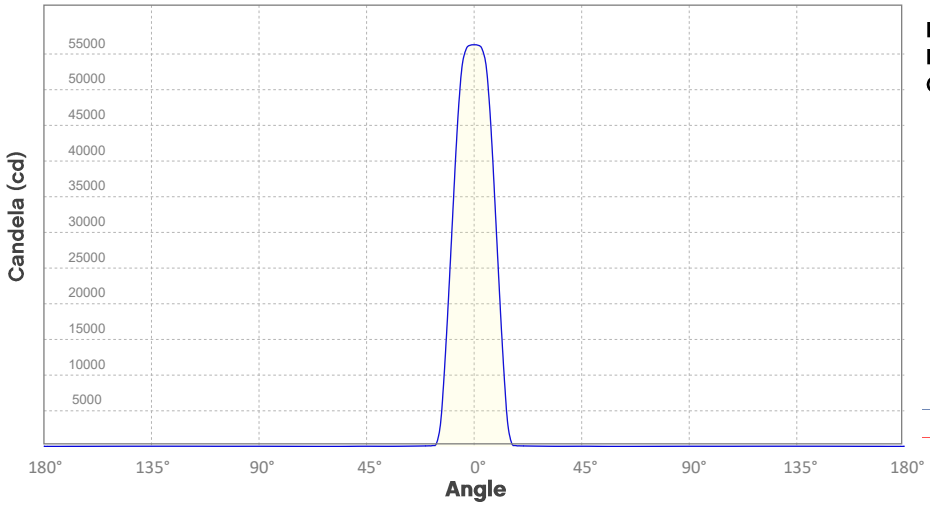
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	56224	14056	6247	3514	2249	1562	1147	879	694	562
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	465	390	333	287	250	220	195	174	156	141
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	5223	1306	580	326	209	145	107	82	64	52
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	43	36	31	27	23	20	18	16	14	13

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Full Power

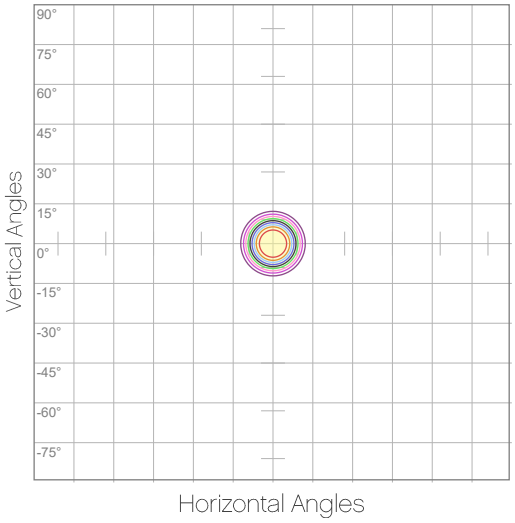
Candela Plot



Beam Angle (50%): 19.2°
Field Angle (10%): 27°
Cutoff Angle (3%): 30.3°

Horizontal Distribution
Vertical Distribution

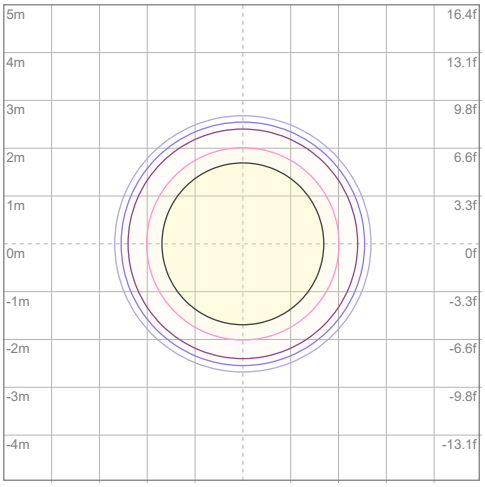
Polar Diagrams



iso-candela Diagram

10%	5622 cd
20%	11245 cd
30%	16867 cd
40%	22490 cd
50%	28112 cd
60%	33735 cd
70%	39357 cd
80%	44979 cd
90%	50602 cd

Conditions:
Number of c-planes: 2
Candela at center: 56224 cd



iso-illuminance Diagram

3%	16.9 lx
5%	28.1 lx
10%	56.2 lx
30%	169 lx
50%	281 lx

Conditions:
Number of c-planes: 2
Lux at center: 562 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Red Only

Report Summary

Output

Total Lumens: 883 lm
Peak Intensity: 8728 cd
Illuminance @ 5m: 349 lux
Fixture Efficacy: 7 lm/W

Optical

Horizontal Beam Angle (50%): 18.8°
Vertical Beam Angle (50%): 18.8°
Horizontal Field Angle (10%): 26.9°
Vertical Field Angle (10%): 26.9°
Horizontal Cutoff Angle (3%): 30°
Vertical Cutoff Angle (3%): 30°

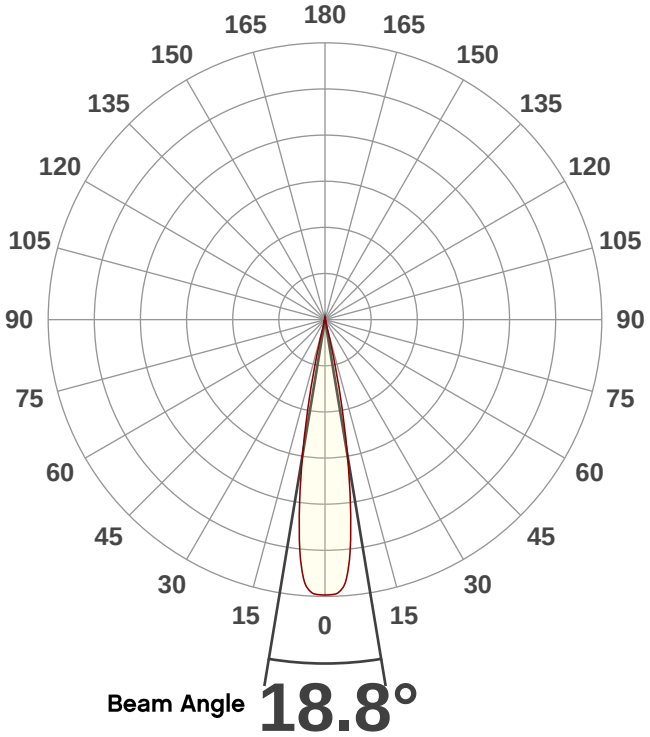
Conditions

AC Supply: 117 V, 60 Hz
Power: 133.66 W
Current: 1.14 A
Power Factor: 0.98

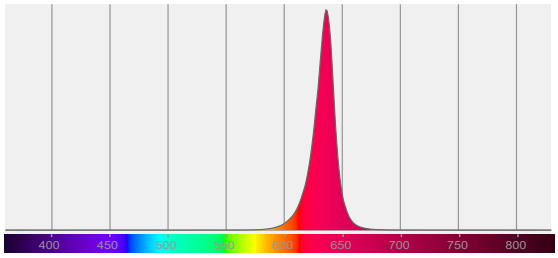
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

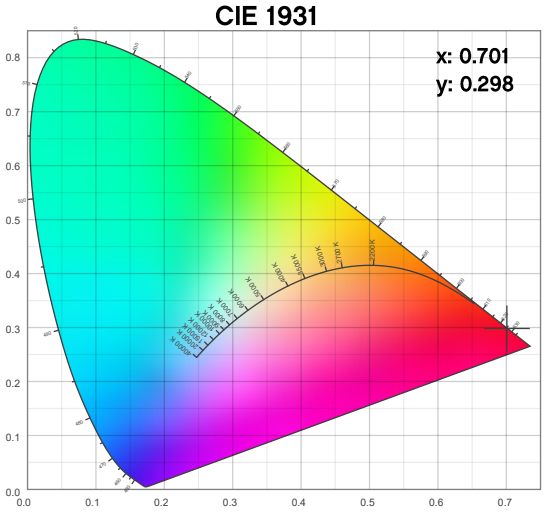
Angular Beam Distribution



Spectral Distribution



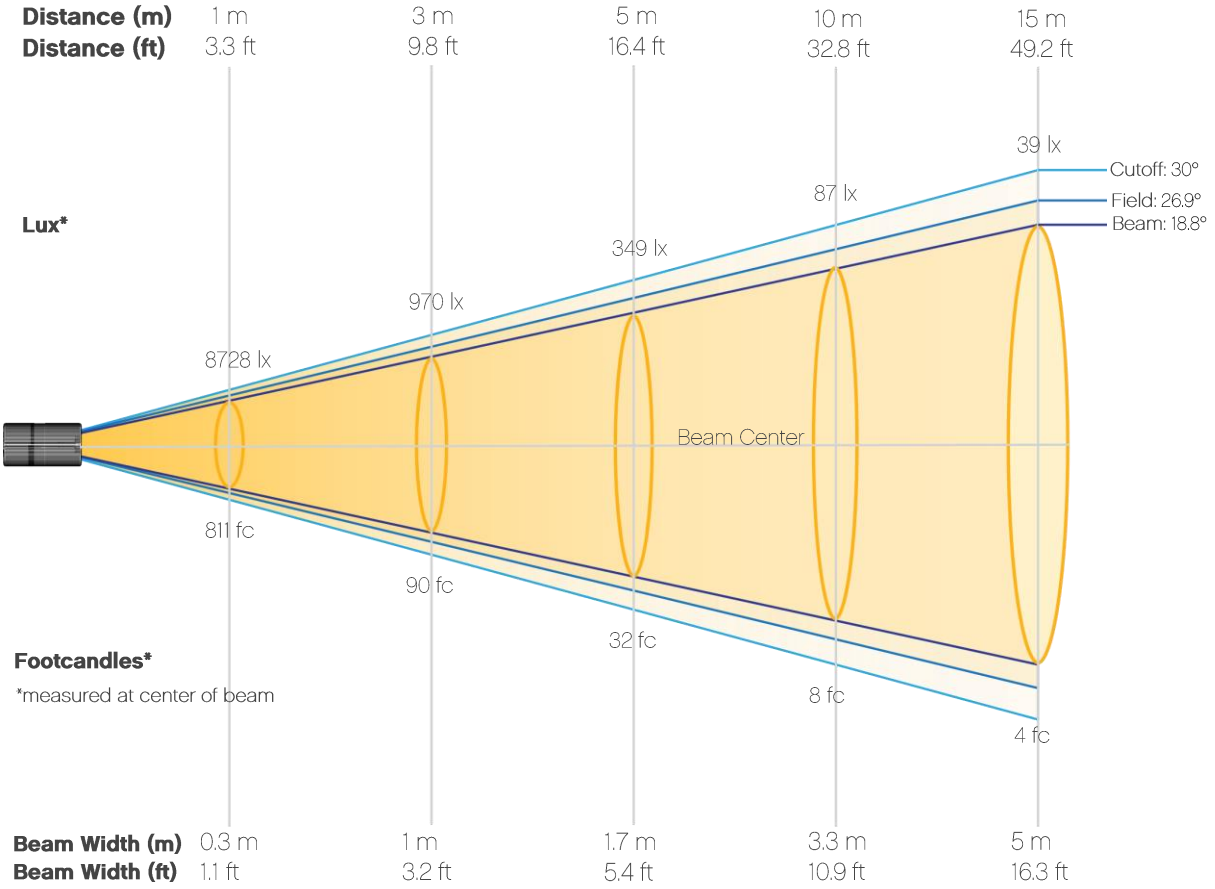
CIE 1931



Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Red Only

Beam Details



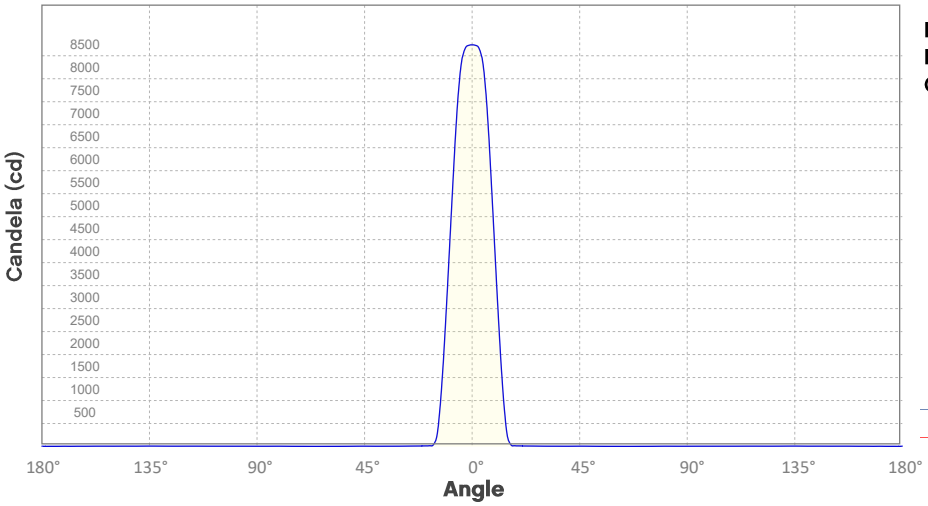
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8728	2182	970	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

Maverick Storm 1 Wash: 50% Zoom, Red Only

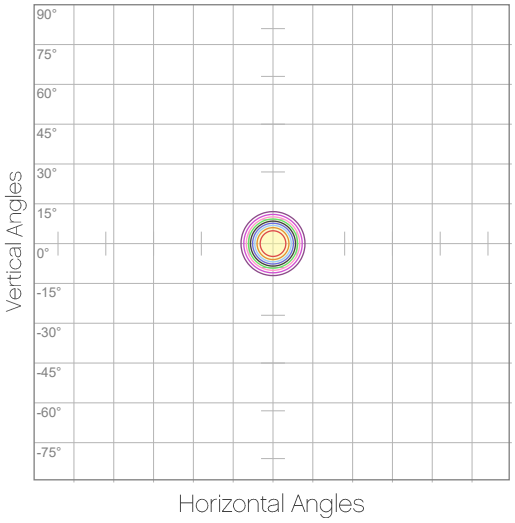
Candela Plot



Beam Angle (50%): 18.8°
Field Angle (10%): 26.9°
Cutoff Angle (3%): 30°

Horizontal Distribution
Vertical Distribution

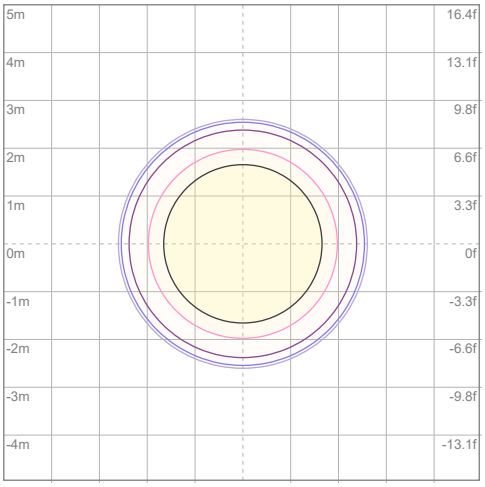
Polar Diagrams



iso-candela Diagram

	10%	873 cd
	20%	1746 cd
	30%	2618 cd
	40%	3491 cd
	50%	4364 cd
	60%	5237 cd
	70%	6109 cd
	80%	6982 cd
	90%	7855 cd

Conditions:
Number of c-planes: 2
Candela at center: 8728 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

Maverick Storm 1 Wash: 50% Zoom, Green Only

Report Summary

Output

Total Lumens: 1841 lm
Peak Intensity: 19339 cd
Illuminance @ 5m: 774 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 18.4°
Vertical Beam Angle (50%): 18.4°
Horizontal Field Angle (10%): 26.5°
Vertical Field Angle (10%): 26.5°
Horizontal Cutoff Angle (3%): 29.3°
Vertical Cutoff Angle (3%): 29.3°

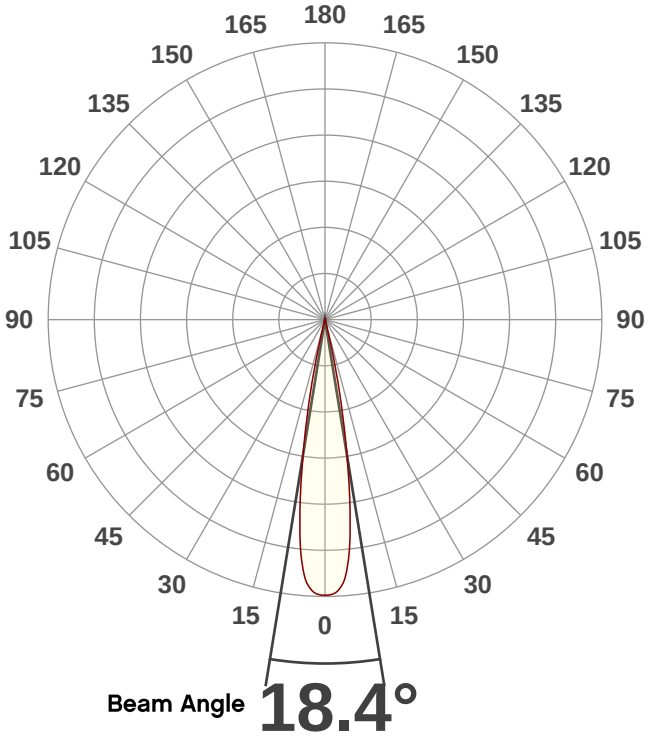
Conditions

AC Supply: 117 V, 60 Hz
Power: 175.64 W
Current: 1.50 A
Power Factor: 0.98

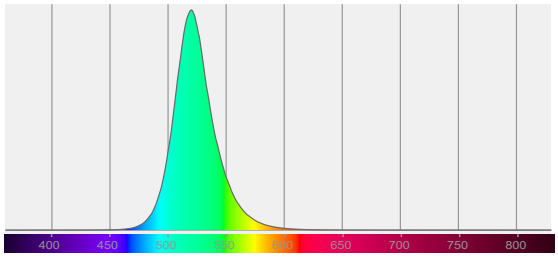
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

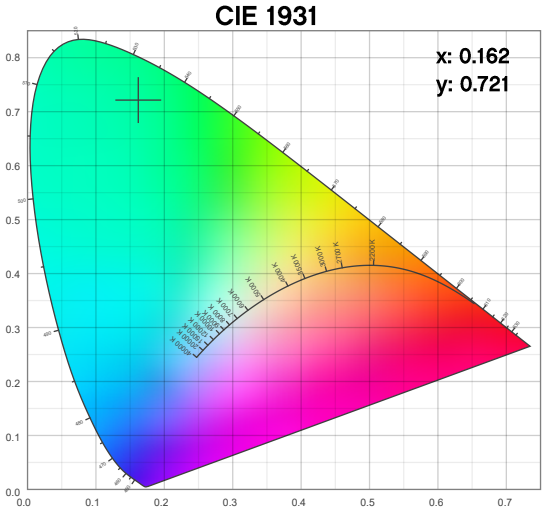
Angular Beam Distribution



Spectral Distribution



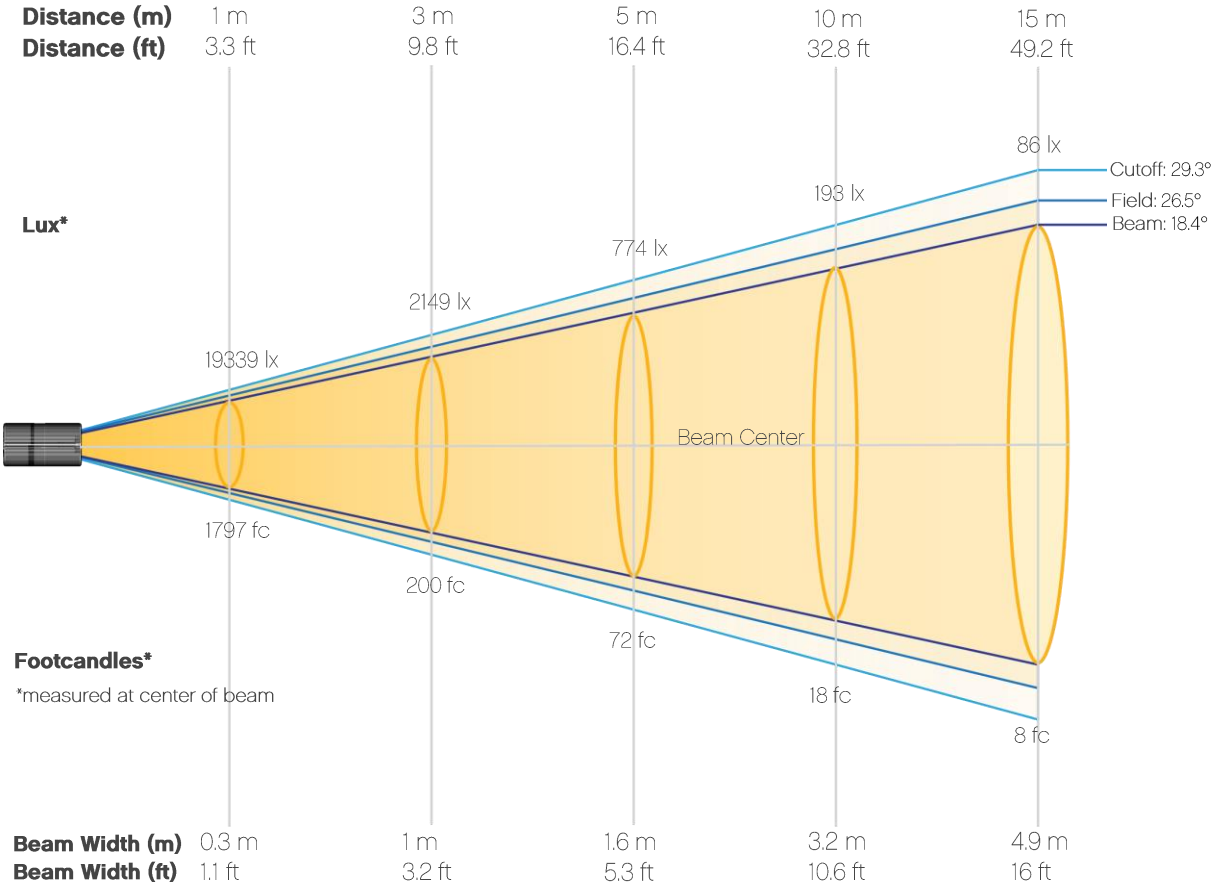
CIE 1931



Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Green Only

Beam Details



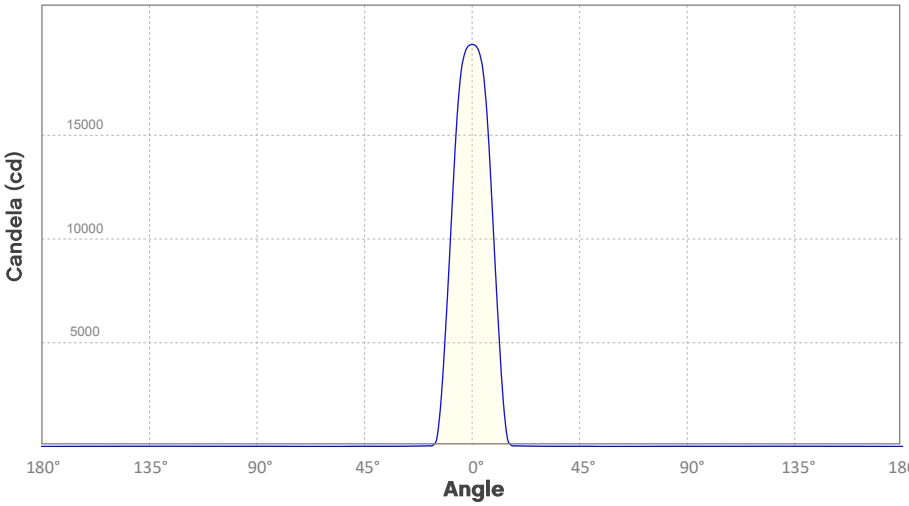
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	19339	4835	2149	1209	774	537	395	302	239	193
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	160	134	114	99	86	76	67	60	54	48
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1797	449	200	112	72	50	37	28	22	18
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	15	12	11	9	8	7	6	6	5	4

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Green Only

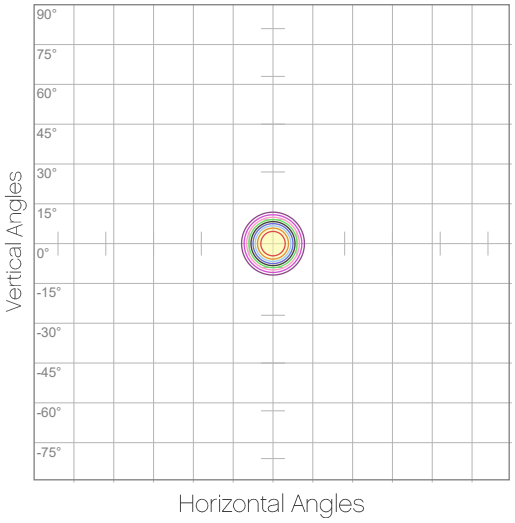
Candela Plot



Beam Angle (50%): 18.4°
Field Angle (10%): 26.5°
Cutoff Angle (3%): 29.3°

Horizontal Distribution
Vertical Distribution

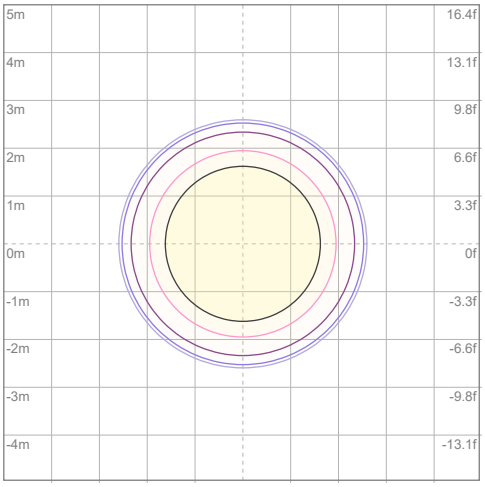
Polar Diagrams



iso-candela Diagram

10%	1934 cd
20%	3868 cd
30%	5802 cd
40%	7735 cd
50%	9669 cd
60%	11603 cd
70%	13537 cd
80%	15471 cd
90%	17405 cd

Conditions:
Number of c-planes: 2
Candela at center: 19339 cd



iso-illuminance Diagram

3%	5.80 lx
5%	9.67 lx
10%	19.3 lx
30%	58.0 lx
50%	96.7 lx

Conditions:
Number of c-planes: 2
Lux at center: 193 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Blue Only

Report Summary

Output

Total Lumens: 516 lm
Peak Intensity: 5082 cd
Illuminance @ 5m: 203 lux
Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 18.3°
Vertical Beam Angle (50%): 18.3°
Horizontal Field Angle (10%): 26.2°
Vertical Field Angle (10%): 26.2°
Horizontal Cutoff Angle (3%): 29.4°
Vertical Cutoff Angle (3%): 29.4°

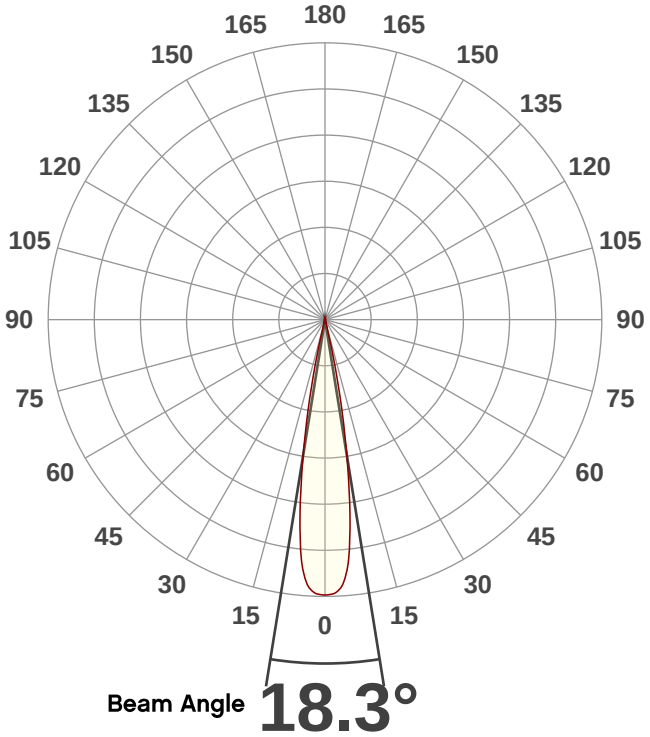
Conditions

AC Supply: 117 V, 60 Hz
Power: 160.08 W
Current: 1.36 A
Power Factor: 0.98

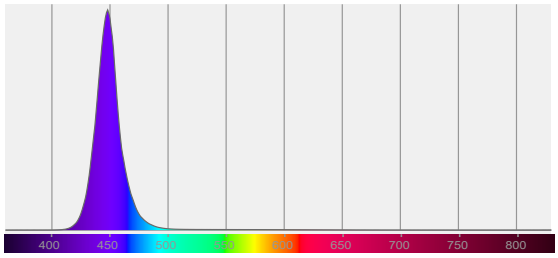
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

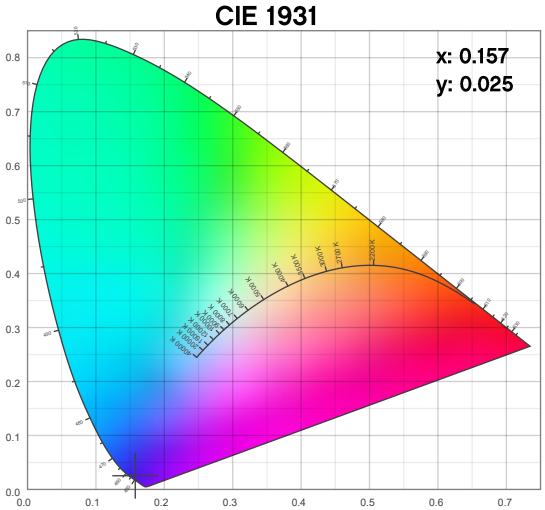
Angular Beam Distribution



Spectral Distribution



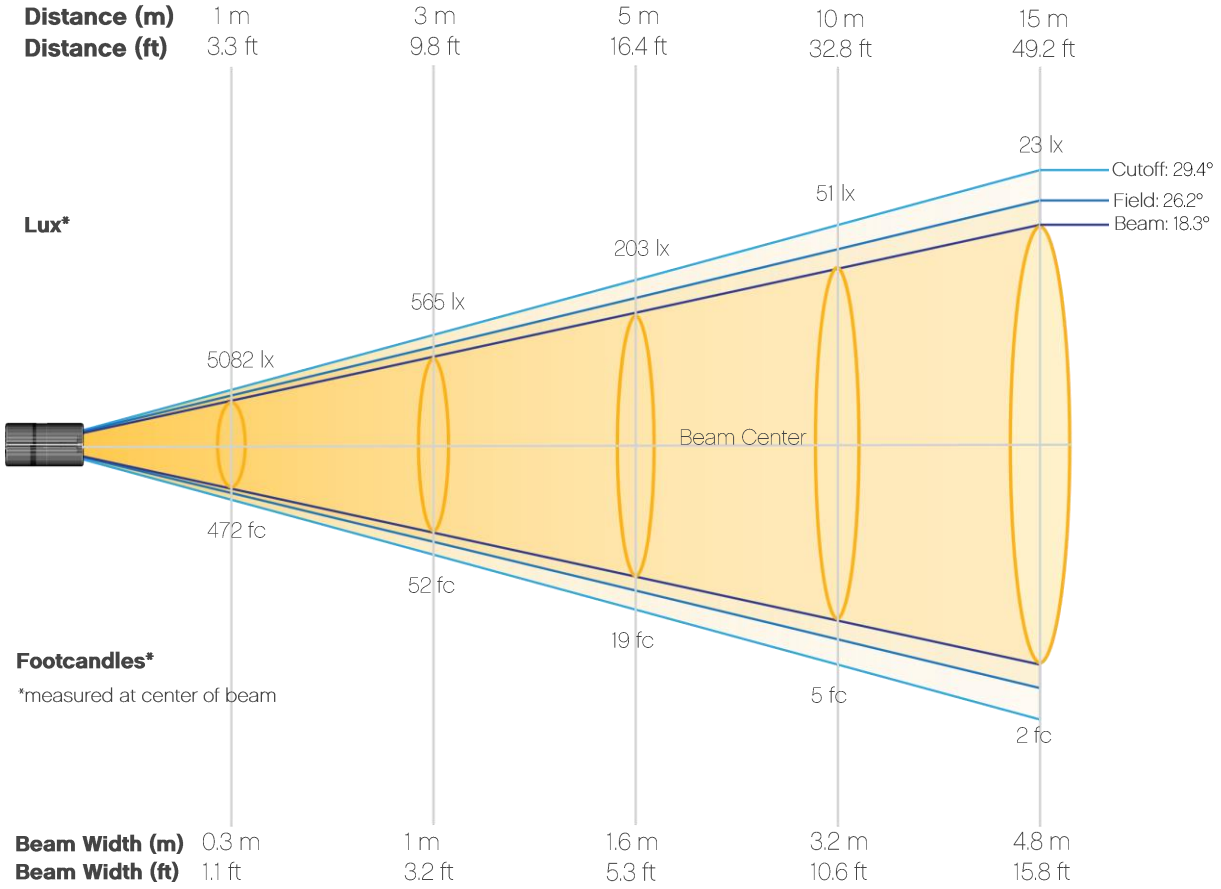
CIE 1931



Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Blue Only

Beam Details



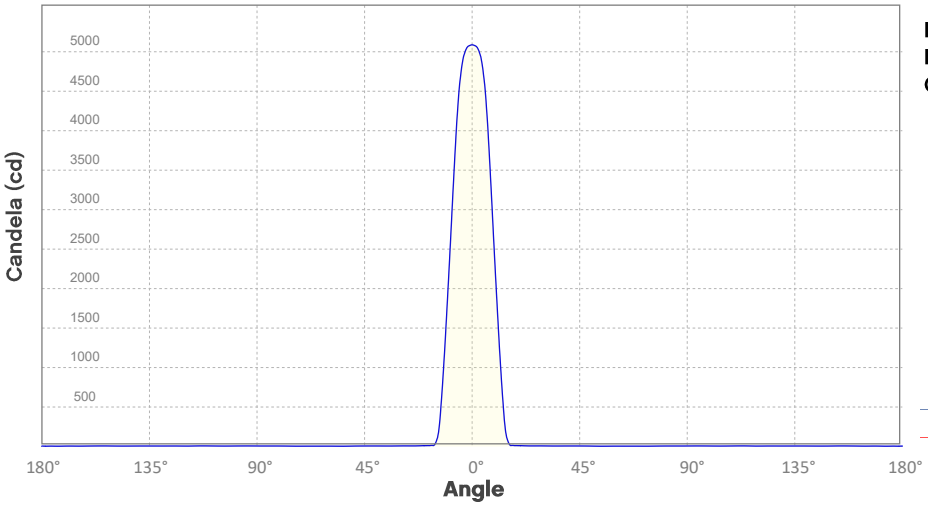
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	5082	1271	565	318	203	141	104	79	63	51
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	42	35	30	26	23	20	18	16	14	13
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	472	118	52	30	19	13	10	7	6	5
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	4	3	3	2	2	2	2	1	1	1

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, Blue Only

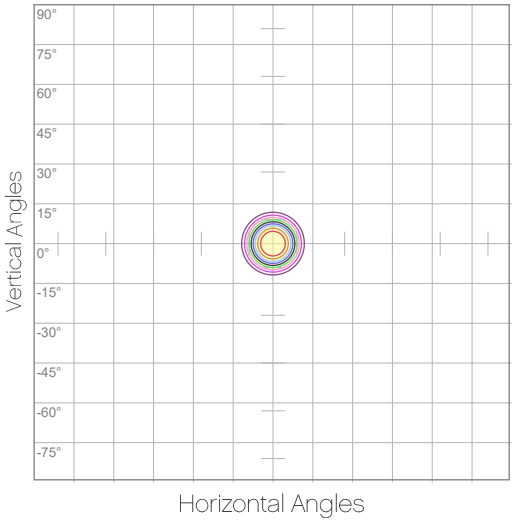
Candela Plot



Beam Angle (50%): 18.3°
Field Angle (10%): 26.2°
Cutoff Angle (3%): 29.4°

Horizontal Distribution
Vertical Distribution

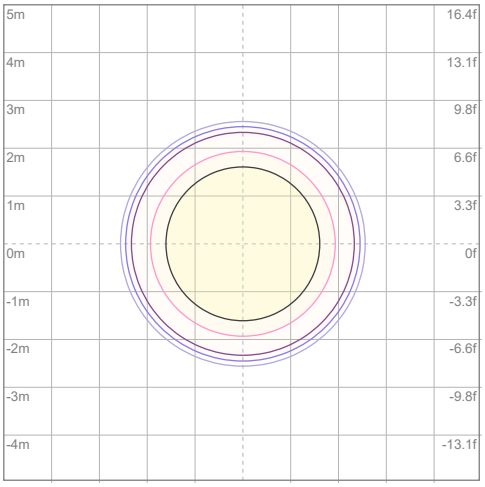
Polar Diagrams



iso-candela Diagram

10%	508 cd
20%	1016 cd
30%	1525 cd
40%	2033 cd
50%	2541 cd
60%	3049 cd
70%	3557 cd
80%	4066 cd
90%	4574 cd

Conditions:
Number of c-planes: 2
Candela at center: 5082 cd



iso-illuminance Diagram

3%	1.52 lx
5%	2.54 lx
10%	5.08 lx
30%	15.2 lx
50%	25.4 lx

Conditions:
Number of c-planes: 2
Lux at center: 50.8 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, White Only

Report Summary

Output

Total Lumens: 2697 lm
Peak Intensity: 26144 cd
Illuminance @ 5m: 1043 lux
Fixture Efficacy: 17 lm/W

Optical

Horizontal Beam Angle (50%): 19.4°
Vertical Beam Angle (50%): 19.4°
Horizontal Field Angle (10%): 27°
Vertical Field Angle (10%): 27°
Horizontal Cutoff Angle (3%): 30°
Vertical Cutoff Angle (3%): 30°

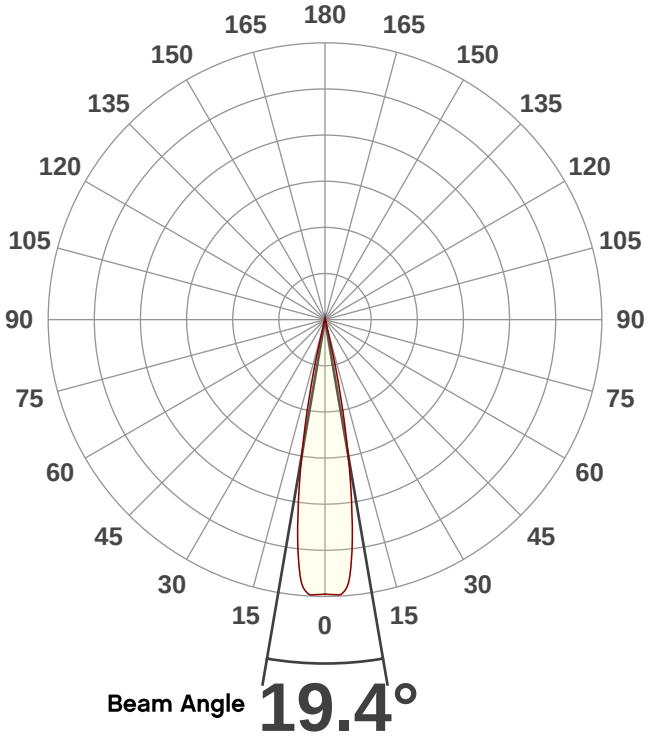
Conditions

AC Supply: 118 V, 60 Hz
Power: 160.1 W
Current: 1.36 A
Power Factor: 0.98

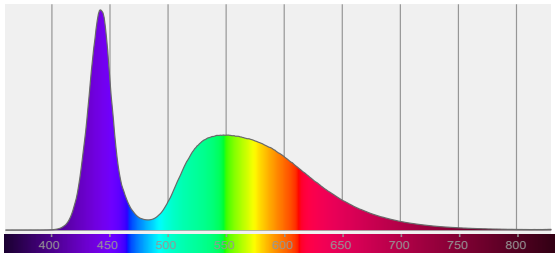
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

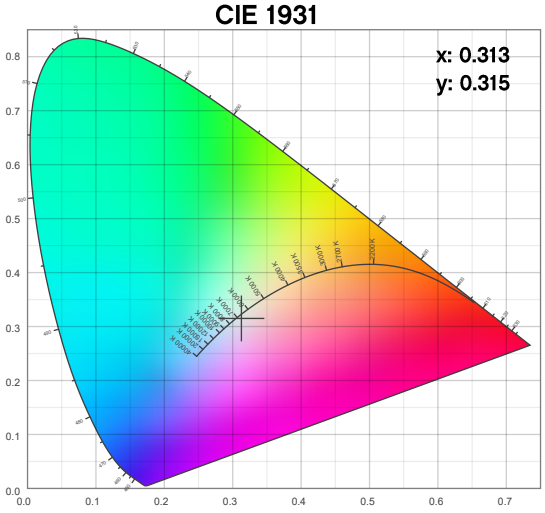
Angular Beam Distribution



Spectral Distribution



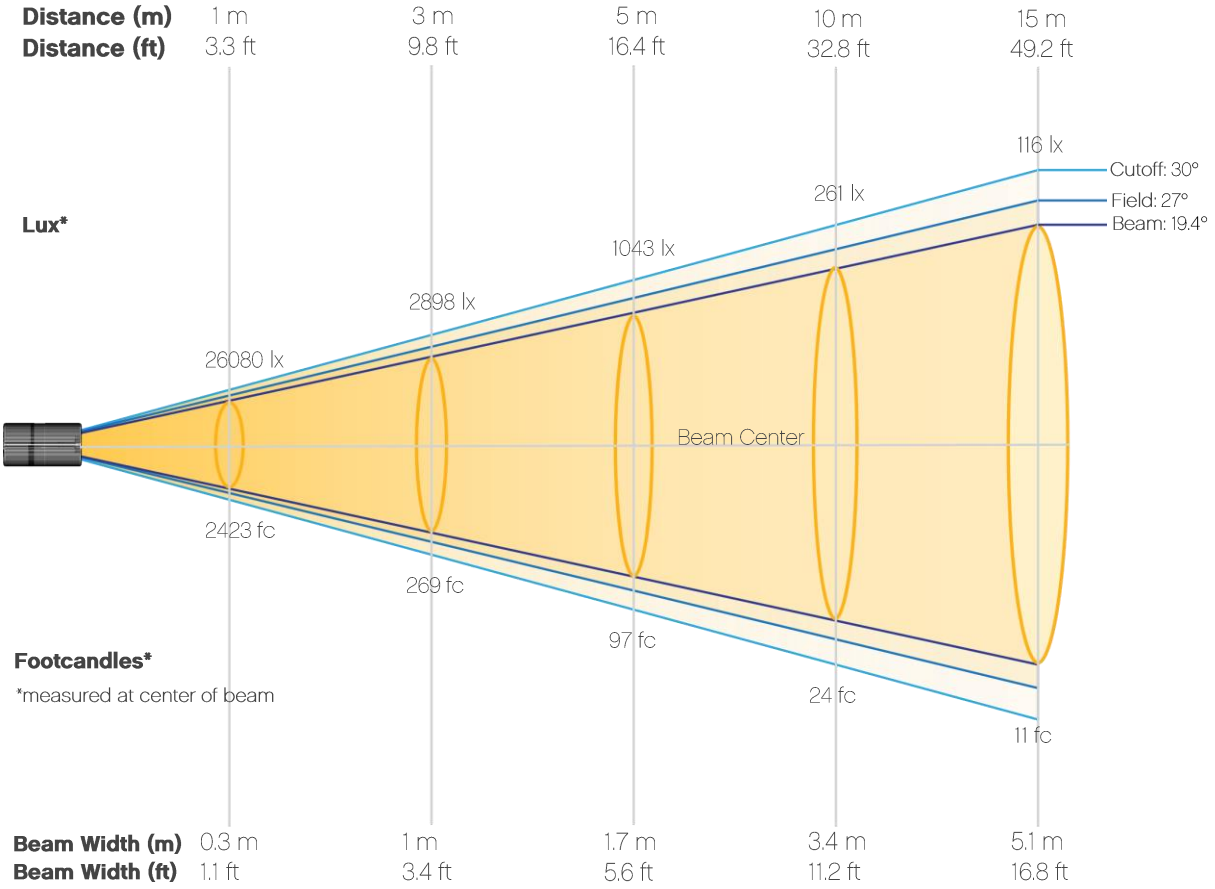
CIE 1931



Photometric Report

Maverick Storm 1 Wash: 50% Zoom, White Only

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	26080	6520	2898	1630	1043	724	532	408	322	261
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	216	181	154	133	116	102	90	80	72	65
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2423	606	269	151	97	67	49	38	30	24
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	20	17	14	12	11	9	8	7	7	6

Photometric Report

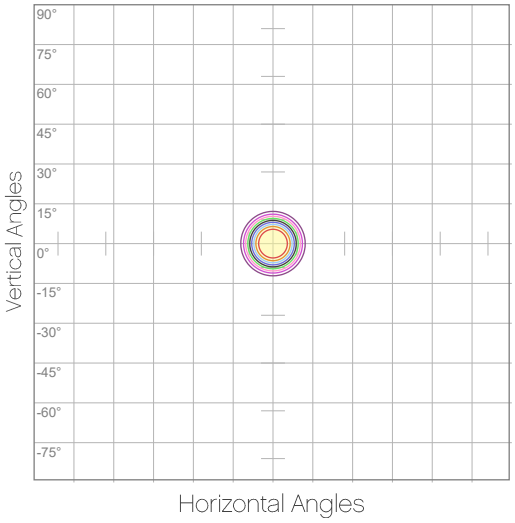
Maverick Storm 1 Wash: 50% Zoom, White Only

Candela Plot

Beam Angle (50%): 19.4°
Field Angle (10%): 27°
Cutoff Angle (3%): 30°

Horizontal Distribution
Vertical Distribution

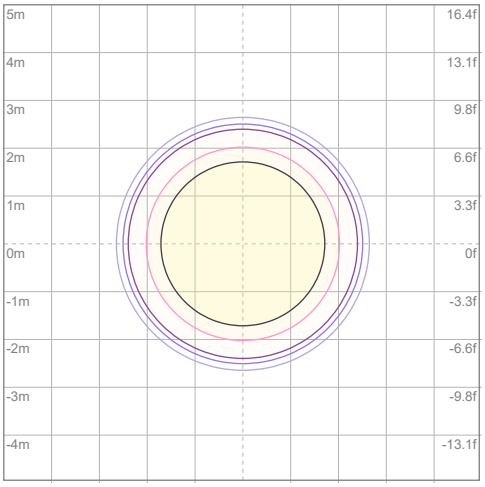
Polar Diagrams



iso-candela Diagram

10%	2608 cd
20%	5216 cd
30%	7824 cd
40%	10432 cd
50%	13040 cd
60%	15648 cd
70%	18256 cd
80%	20864 cd
90%	23472 cd

Conditions:
Number of c-planes: 2
Candela at center: 26080 cd



iso-illuminance Diagram

3%	7.82 lx
5%	13.0 lx
10%	26.1 lx
30%	78.2 lx
50%	130 lx

Conditions:
Number of c-planes: 2
Lux at center: 261 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, 7500K

Report Summary

Output

Total Lumens: 5117 lm
Peak Intensity: 51166 cd
Illuminance @ 5m: 2047 lux
Fixture Efficacy: 16 lm/W

Optical

Horizontal Beam Angle (50%): 19°
Vertical Beam Angle (50%): 19°
Horizontal Field Angle (10%): 26.6°
Vertical Field Angle (10%): 26.6°
Horizontal Cutoff Angle (3%): 29.5°
Vertical Cutoff Angle (3%): 29.5°

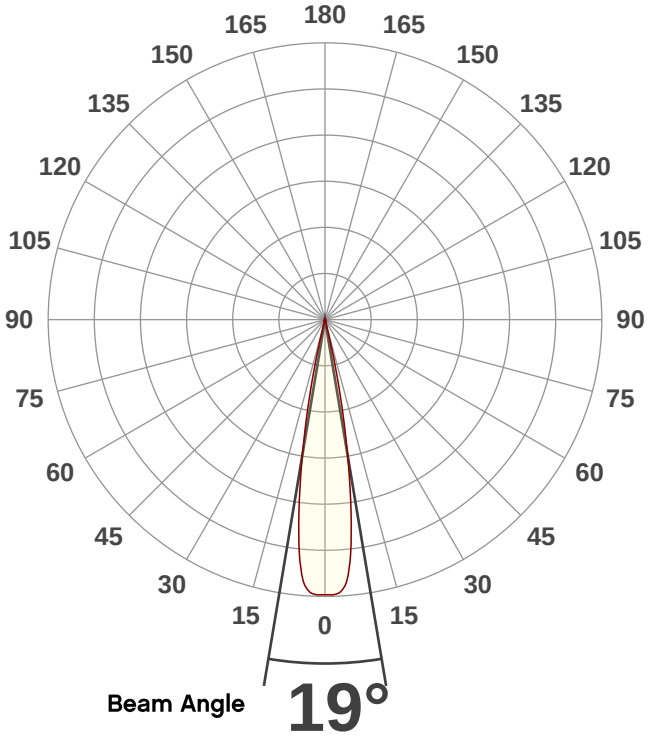
Conditions

AC Supply: 117 V, 60 Hz
Power: 315.29 W
Current: 2.70 A
Power Factor: 0.99

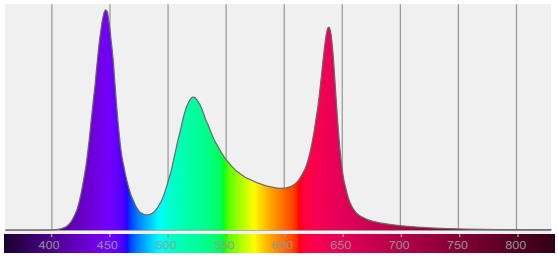
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

Overall Measurement

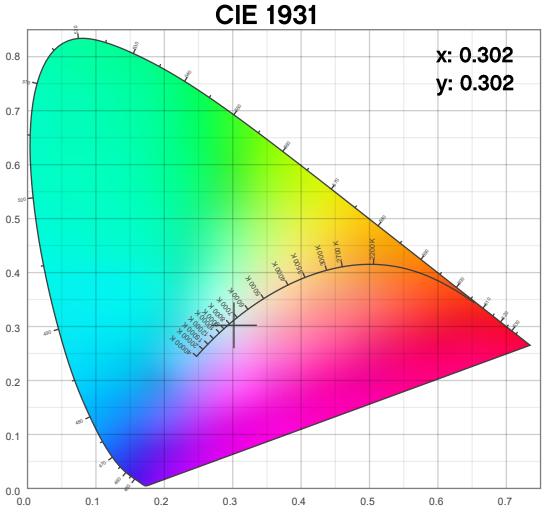
Angular Beam Distribution



Spectral Distribution



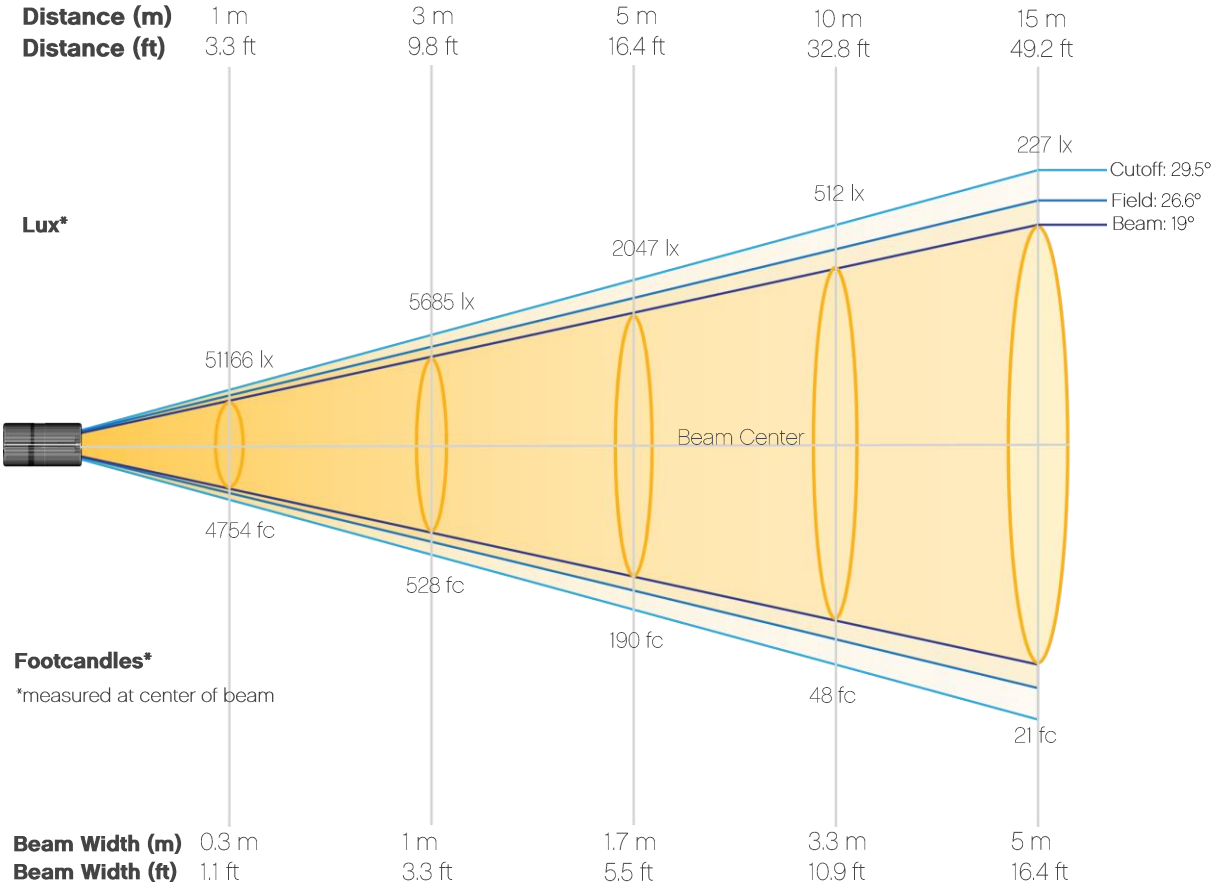
CIE 1931



Photometric Report

Maverick Storm 1 Wash: 50% Zoom, 7500K

Beam Details



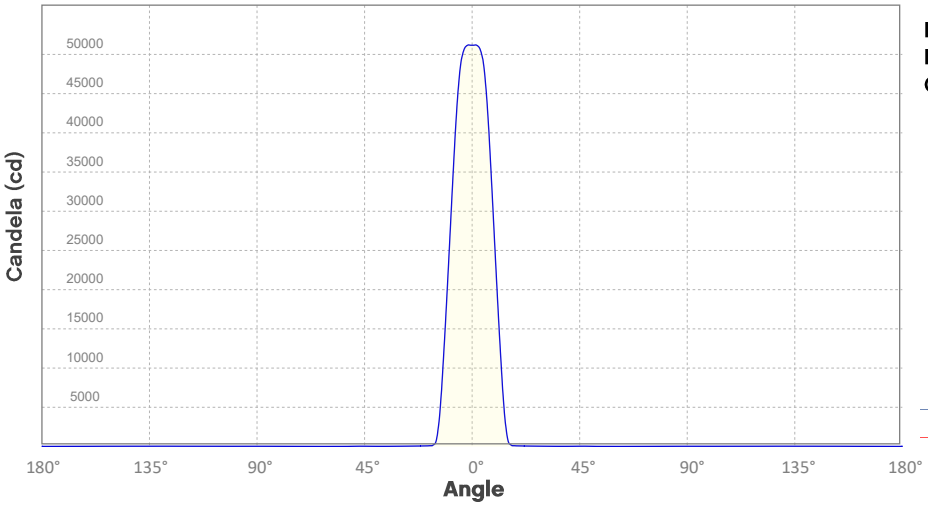
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	51166	12792	5685	3198	2047	1421	1044	799	632	512
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	423	355	303	261	227	200	177	158	142	128
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4754	1188	528	297	190	132	97	74	59	48
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	39	33	28	24	21	19	16	15	13	12

Photometric Report

Maverick Storm 1 Wash: 50% Zoom, 7500K

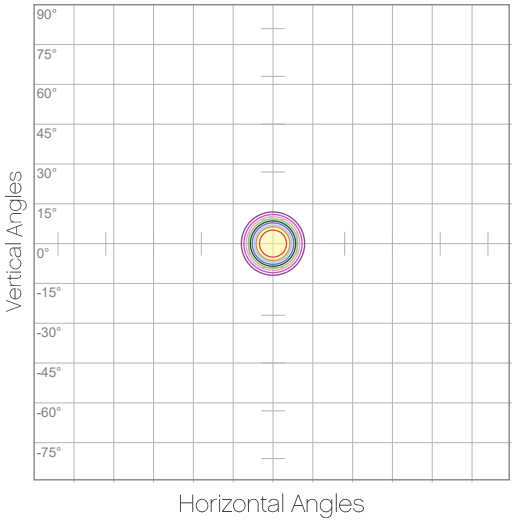
Candela Plot



Beam Angle (50%): 19°
Field Angle (10%): 26.6°
Cutoff Angle (3%): 29.5°

Horizontal Distribution
Vertical Distribution

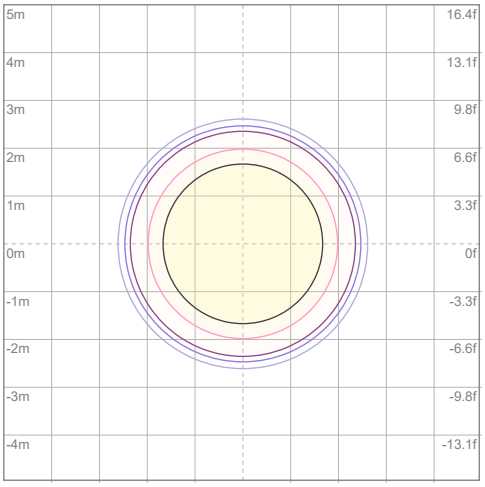
Polar Diagrams



iso-candela Diagram

10%	5117 cd
20%	10233 cd
30%	15350 cd
40%	20467 cd
50%	25583 cd
60%	30700 cd
70%	35816 cd
80%	40933 cd
90%	46050 cd

Conditions:
Number of c-planes: 2
Candela at center: 51166 cd



iso-illuminance Diagram

3%	15.3 lx
5%	25.6 lx
10%	51.2 lx
30%	153 lx
50%	256 lx

Conditions:
Number of c-planes: 2
Lux at center: 512 lx

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

Mounting height: 10 meters / 33 feet

Contact Us

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