

PHOTOMETRICS REPORT

WELL FIT

WIRELESS EVENT LED LUMINAIRE



Table of Contents

1. Testing Process	1
2. Photometric Reports	2
Standard Optics – Full Power	2
Report Summary	2
Overall Measurement	2
Beam Details	3
Polar Diagrams	4
Standard Optics – Red	5
Report Summary	5
Overall Measurement	5
Beam Details	6
Polar Diagrams	7
Standard Optics – Green	8
Report Summary	8
Overall Measurement	8
Beam Details	9
Polar Diagrams	10
Standard Optics – Blue	11
Report Summary	11
Overall Measurement	11
Beam Details	12
Polar Diagrams	13
Standard Optics – Amber	14
Report Summary	14
Overall Measurement	14
Beam Details	15
Polar Diagrams	16
3. Contact Us	17

Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Well Fit : Standard Optics, Full Power

Report Summary

Output

Total Lumens: 1226 lm
Peak Intensity: 23862 cd
Illuminance @ 5m: 953 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 11.3°
Vertical Beam Angle (50%): 11.1°
Horizontal Field Angle (10%): 20°
Vertical Field Angle (10%): 19.8°
Horizontal Cutoff Angle (3%): 30.4°
Vertical Cutoff Angle (3%): 30.3°

Conditions

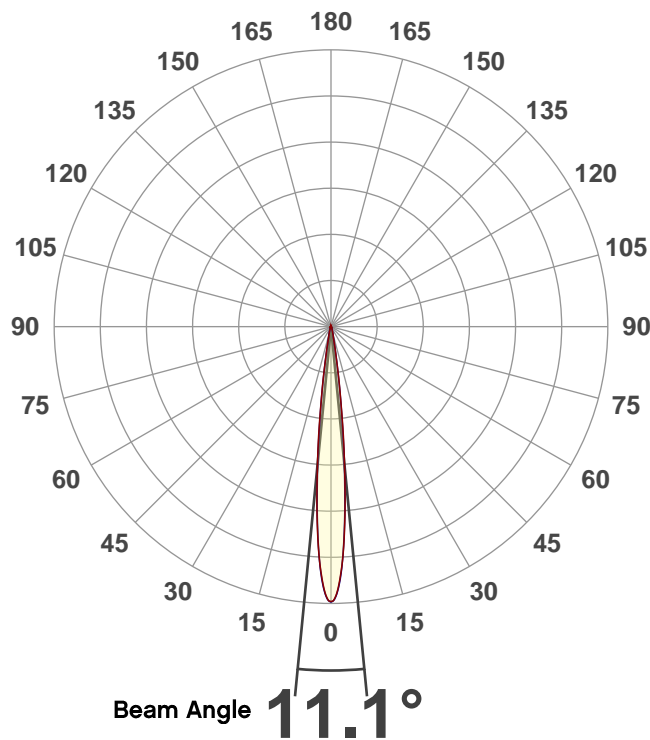
AC Supply: 121 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a



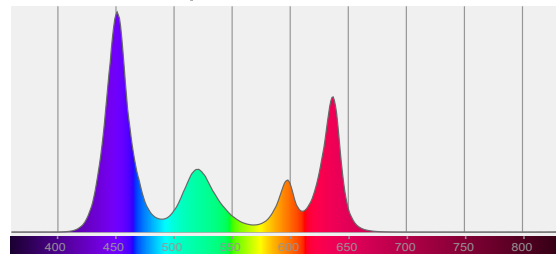
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/17/2020 to LM-63-2002 Standards.

Overall Measurement

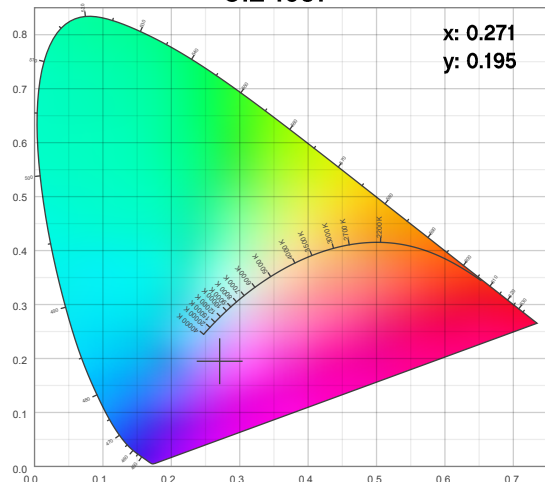
Angular Beam Distribution



Spectral Distribution



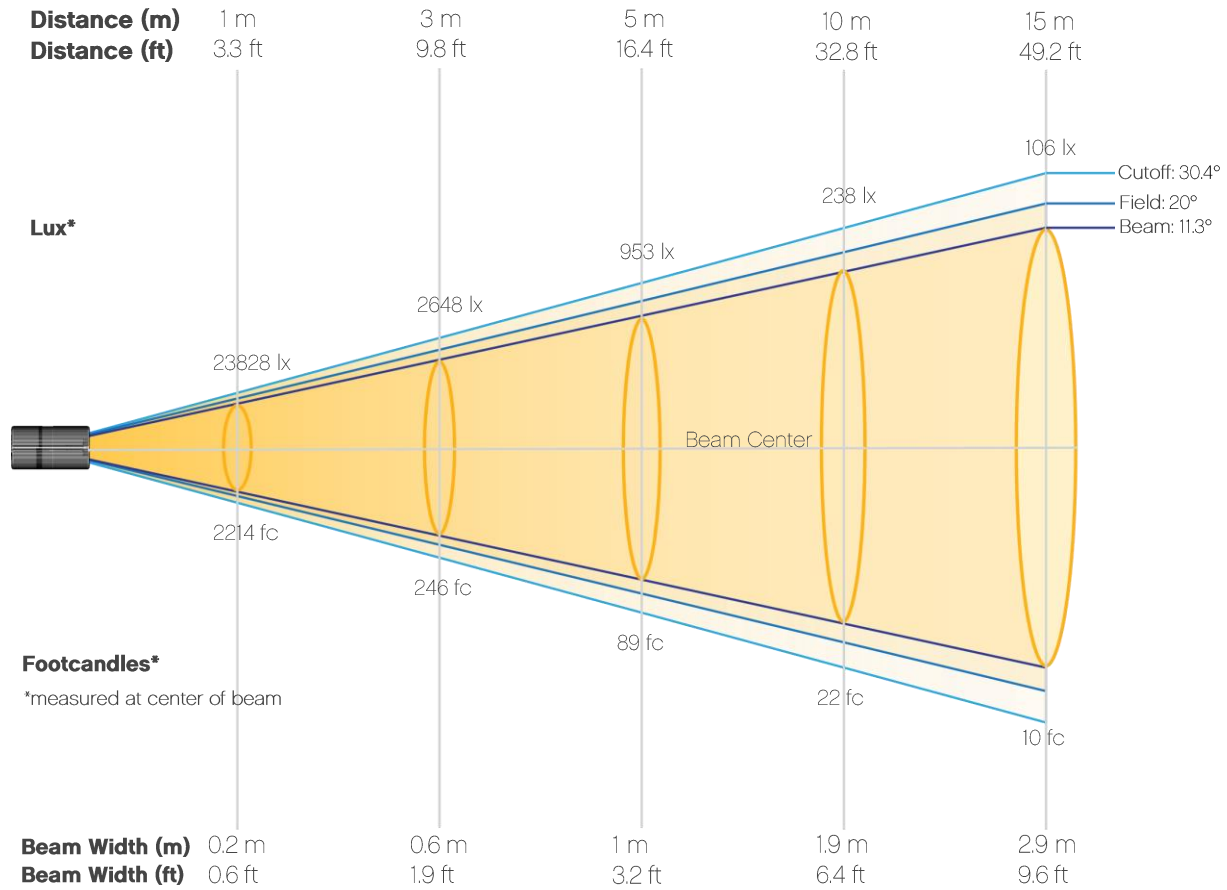
CIE 1931



Photometric Report

Well Fit : Standard Optics, Full Power

Beam Details



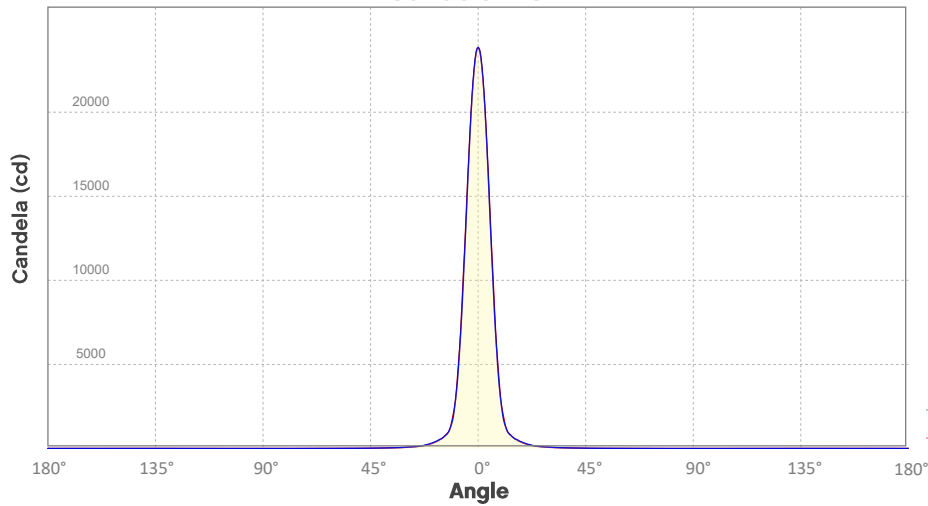
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	23828	5957	2648	1489	953	662	486	372	294	238
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	197	165	141	122	106	93	82	74	66	60
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2214	553	246	138	89	61	45	35	27	22
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	10	9	8	7	6	6

Photometric Report

Well Fit : Standard Optics, Full Power

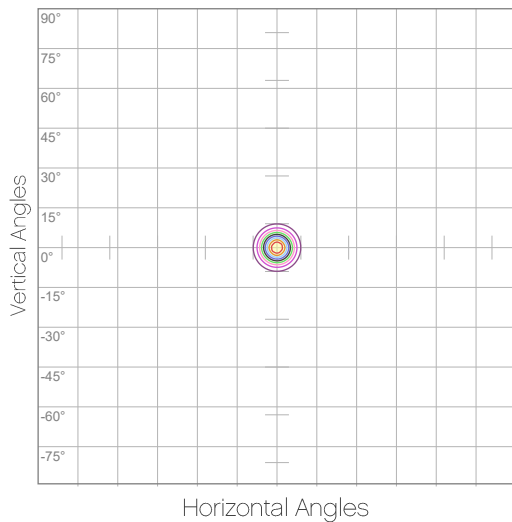
Candela Plot



Beam Angle (50%): 11.1°
Field Angle (10%): 19.9°
Cutoff Angle (3%): 29.7°

— Horizontal Distribution
— Vertical Distribution

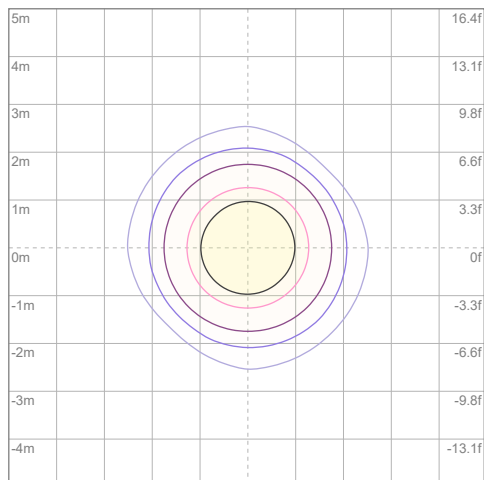
Polar Diagrams



iso-candela Diagram

10%	2383 cd
20%	4766 cd
30%	7148 cd
40%	9531 cd
50%	11914 cd
60%	14297 cd
70%	16680 cd
80%	19062 cd
90%	21445 cd

Conditions:
Number of c-planes: 8
Candela at center: 23828 cd



iso-illuminance Diagram

3%	7.15 lx
5%	11.9 lx
10%	23.8 lx
30%	71.5 lx
50%	119 lx

Conditions:
Number of c-planes: 8
Lux at center: 238 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well Fit : Standard Optics, Red Only

Report Summary

Output

Total Lumens: 380 lm
Peak Intensity: 7141 cd
Illuminance @ 5m: 285 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 11.3°
Vertical Beam Angle (50%): 11.3°
Horizontal Field Angle (10%): 19.9°
Vertical Field Angle (10%): 20.1°
Horizontal Cutoff Angle (3%): 29.7°
Vertical Cutoff Angle (3%): 30.9°

Conditions

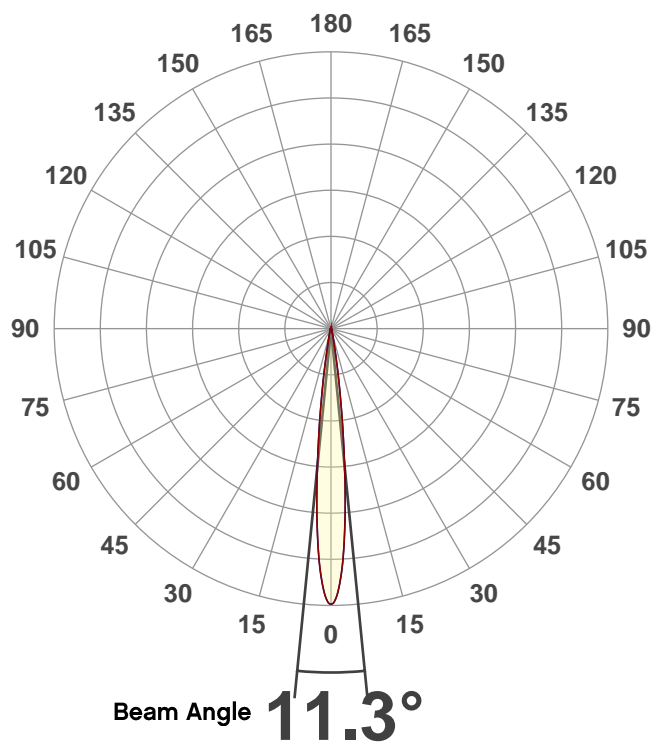
AC Supply: 120 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a



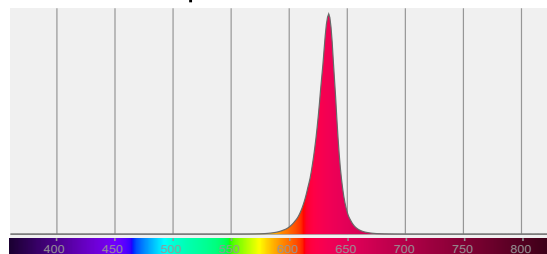
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/17/2020 to LM-63-2002 Standards.

Overall Measurement

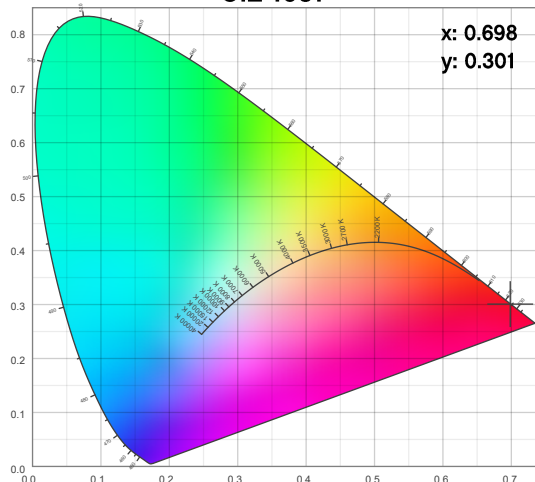
Angular Beam Distribution



Spectral Distribution



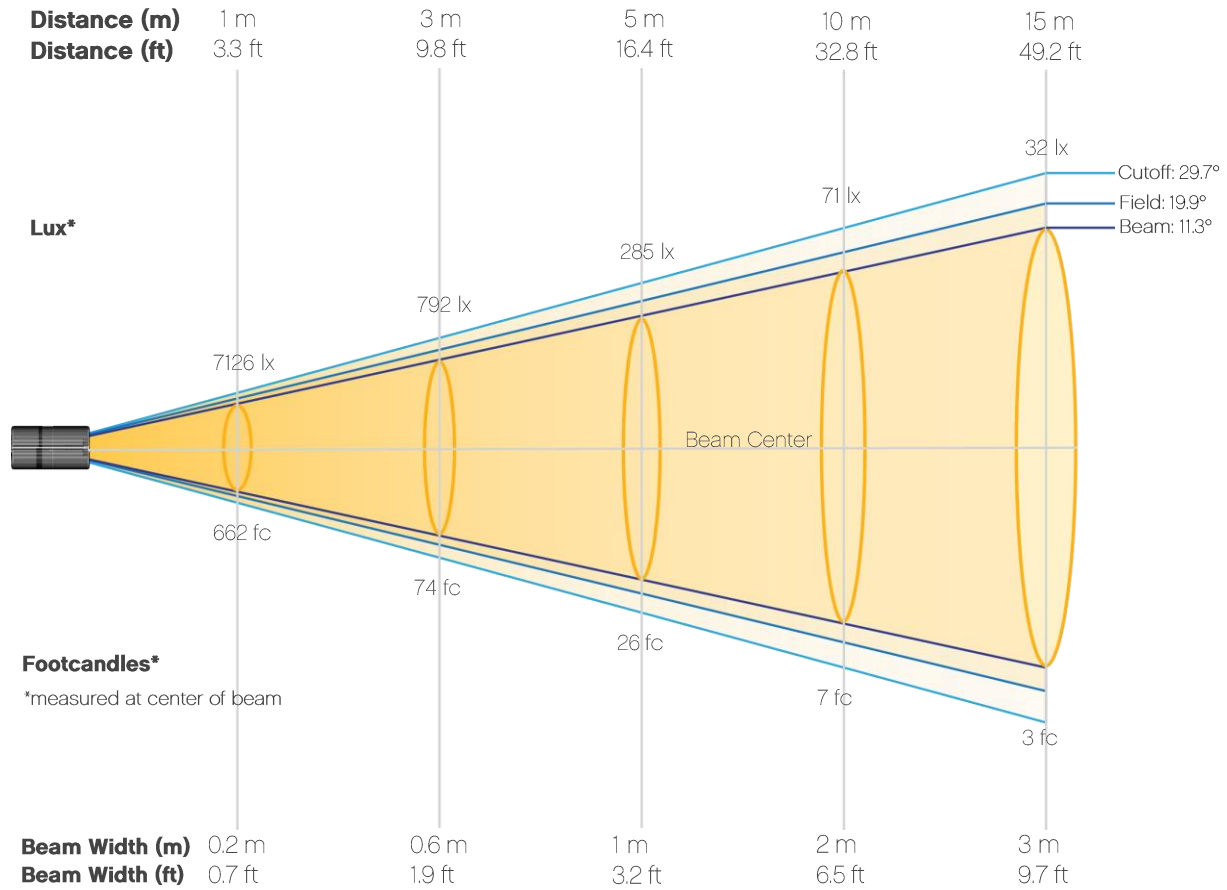
CIE 1931



Photometric Report

Well Fit : Standard Optics, Red Only

Beam Details



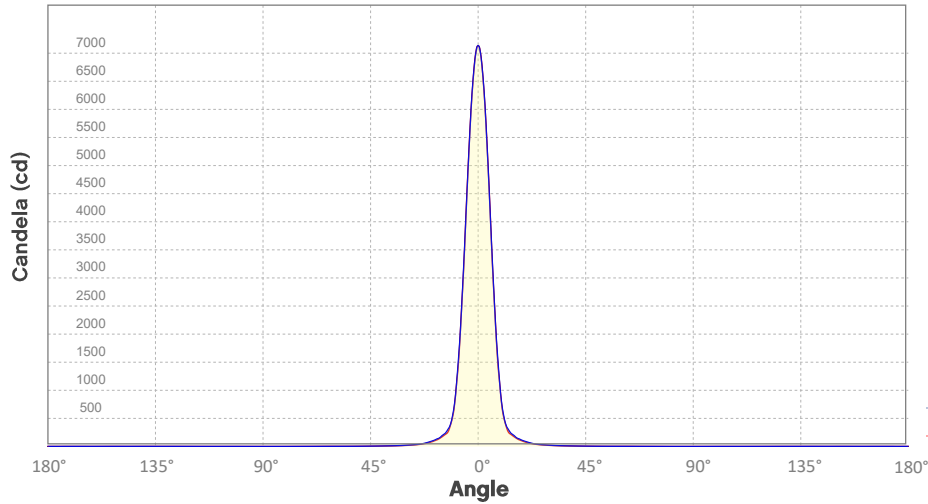
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7126	1781	792	445	285	198	145	111	88	71
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	59	49	42	36	32	28	25	22	20	18
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	662	166	74	41	26	18	14	10	8	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	5	5	4	3	3	3	2	2	2	2

Photometric Report

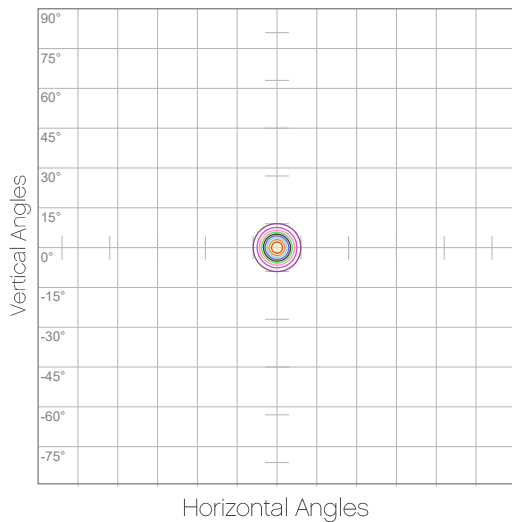
Well Fit : Standard Optics, Red Only

Candela Plot



Beam Angle (50%): 11.3°
Field Angle (10%): 20.1°
Cutoff Angle (3%): 29.6°

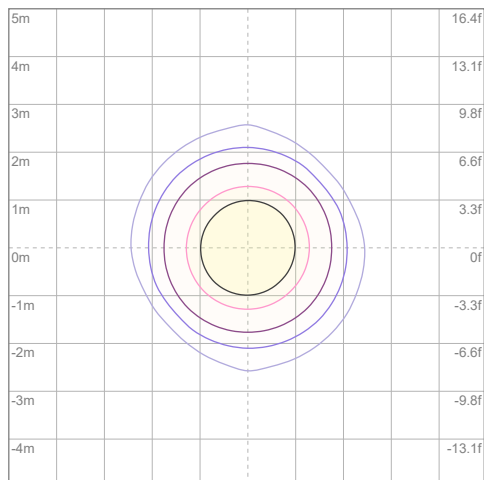
Polar Diagrams



iso-candela Diagram

10%	713 cd
20%	1425 cd
30%	2138 cd
40%	2850 cd
50%	3563 cd
60%	4275 cd
70%	4988 cd
80%	5701 cd
90%	6413 cd

Conditions:
Number of c-planes: 8
Candela at center: 7126 cd



iso-illuminance Diagram

3%	2.14 lx
5%	3.56 lx
10%	7.13 lx
30%	21.4 lx
50%	35.6 lx

Conditions:
Number of c-planes: 8
Lux at center: 71.3 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well Fit : Standard Optics, Green Only

Report Summary

Output

Total Lumens: 798 lm
Peak Intensity: 15374 cd
Illuminance @ 5m: 615 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 11.4°
Vertical Beam Angle (50%): 11°
Horizontal Field Angle (10%): 20.1°
Vertical Field Angle (10%): 19.9°
Horizontal Cutoff Angle (3%): 30.8°
Vertical Cutoff Angle (3%): 30.4°

Conditions

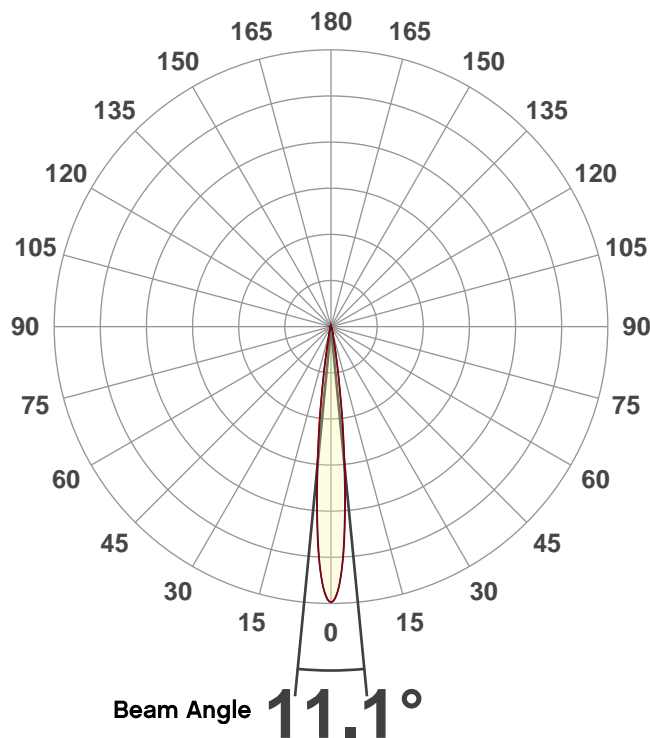
AC Supply: 120 V, 60.1 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a



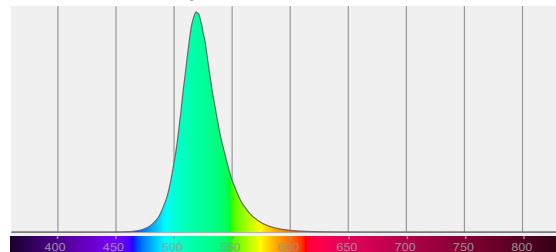
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/17/2020 to LM-63-2002 Standards.

Overall Measurement

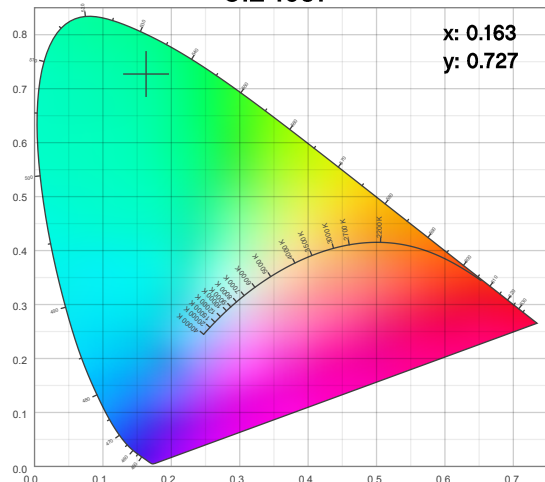
Angular Beam Distribution



Spectral Distribution



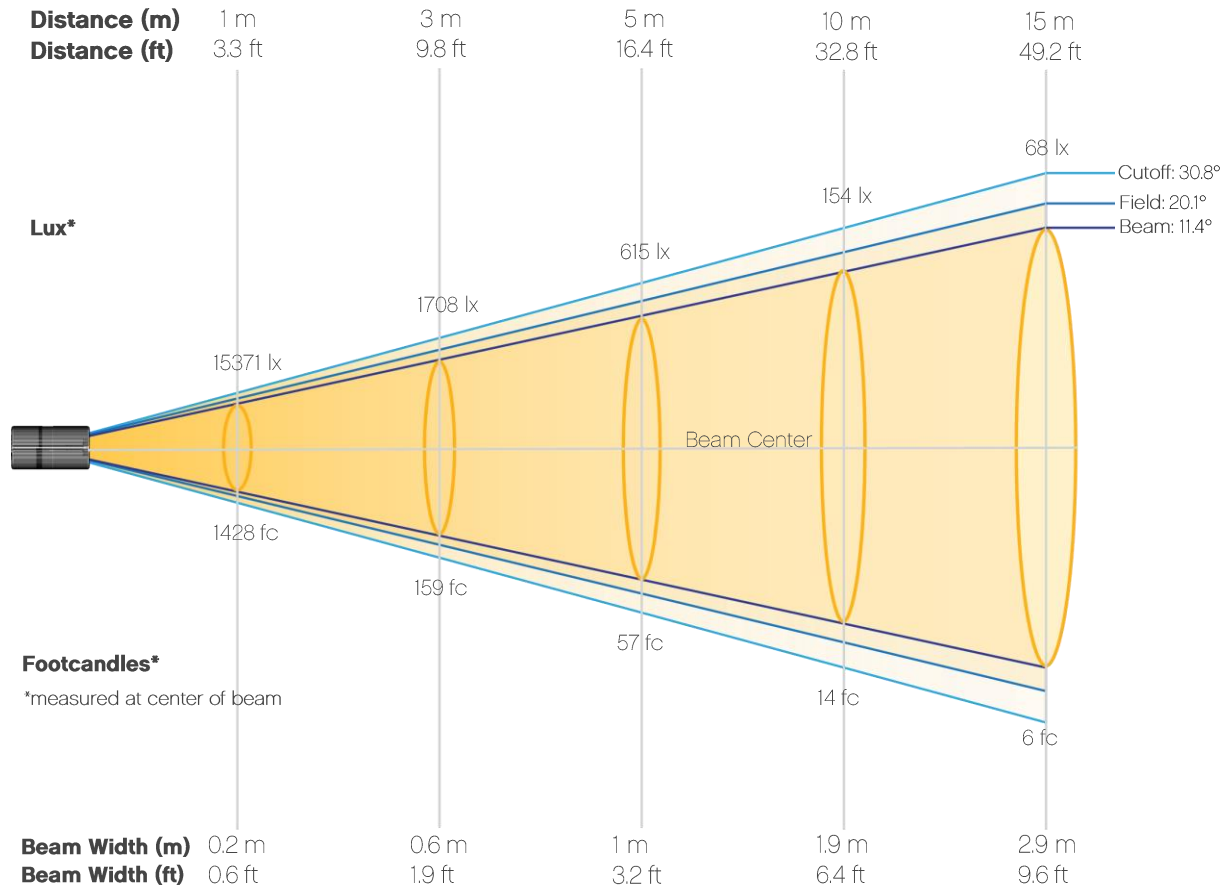
CIE 1931



Photometric Report

Well Fit : Standard Optics, Green Only

Beam Details

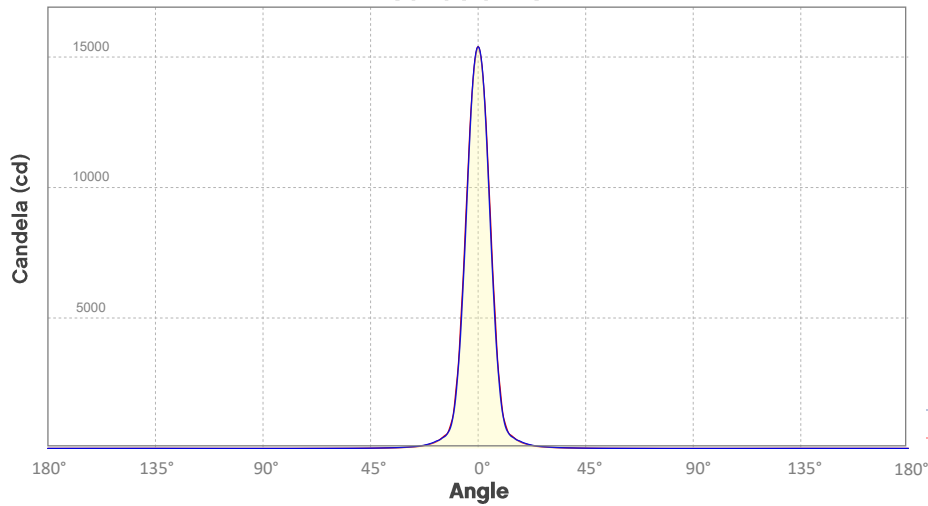


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15371	3843	1708	961	615	427	314	240	190	154
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	127	107	91	78	68	60	53	47	43	38
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1428	357	159	89	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

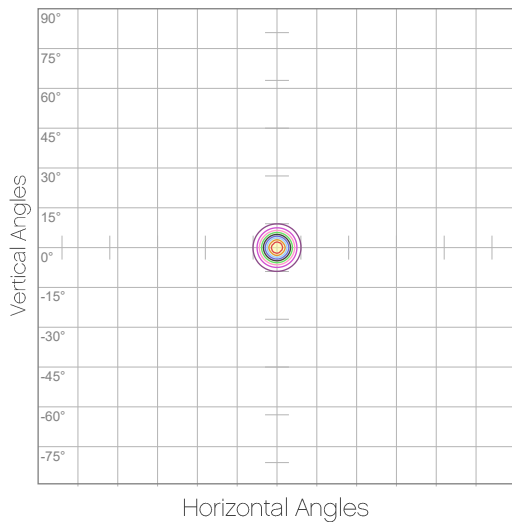
Photometric Report

Well Fit : Standard Optics, Green Only
Candela Plot



Beam Angle (50%): 11.1°
Field Angle (10%): 20°
Cutoff Angle (3%): 29.7°

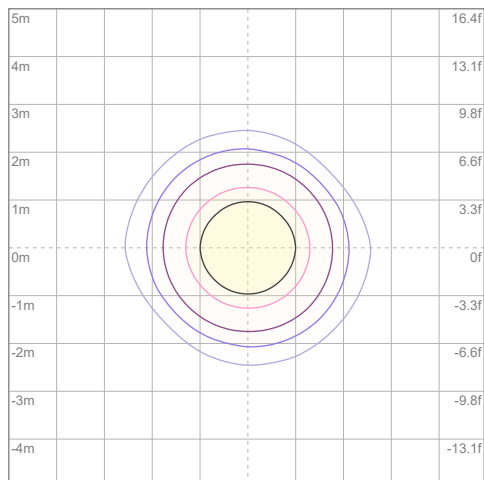
Polar Diagrams



iso-candela Diagram

10%	1537 cd
20%	3074 cd
30%	4611 cd
40%	6148 cd
50%	7685 cd
60%	9222 cd
70%	10759 cd
80%	12296 cd
90%	13834 cd

Conditions:
Number of c-planes: 8
Candela at center: 15371 cd



iso-illuminance Diagram

3%	4.61 lx
5%	7.69 lx
10%	15.4 lx
30%	46.1 lx
50%	76.9 lx

Conditions:
Number of c-planes: 8
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

Well Fit : Standard Optics, Blue Only

Report Summary

Output

Total Lumens: 163 lm
Peak Intensity: 2765 cd
Illuminance @ 5m: 111 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 11.6°
Vertical Beam Angle (50%): 11.2°
Horizontal Field Angle (10%): 20.1°
Vertical Field Angle (10%): 19.9°
Horizontal Cutoff Angle (3%): 31.9°
Vertical Cutoff Angle (3%): 31.9°

Conditions

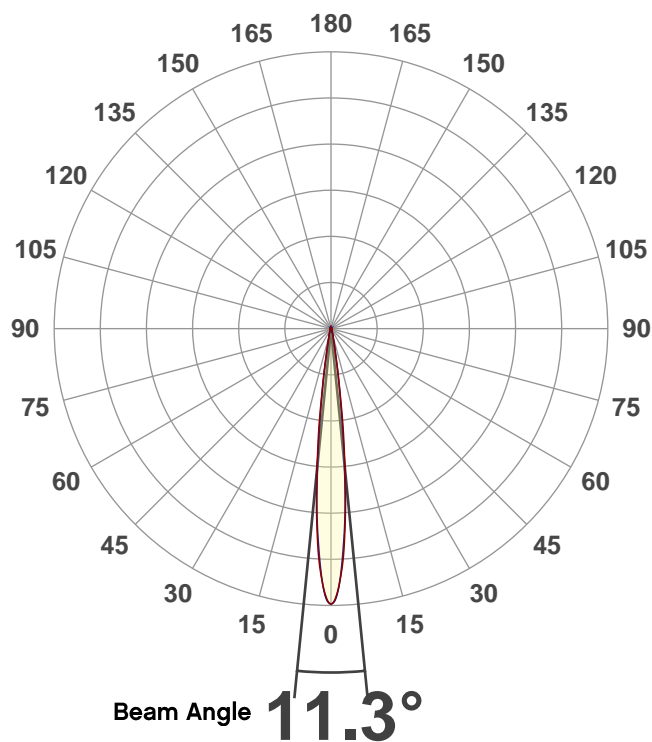
AC Supply: 120 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a



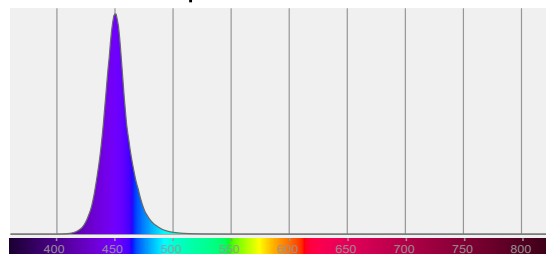
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/17/2020 to LM-63-2002 Standards.

Overall Measurement

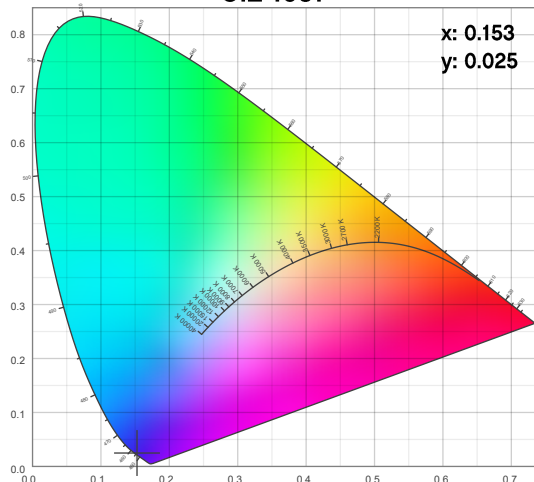
Angular Beam Distribution



Spectral Distribution



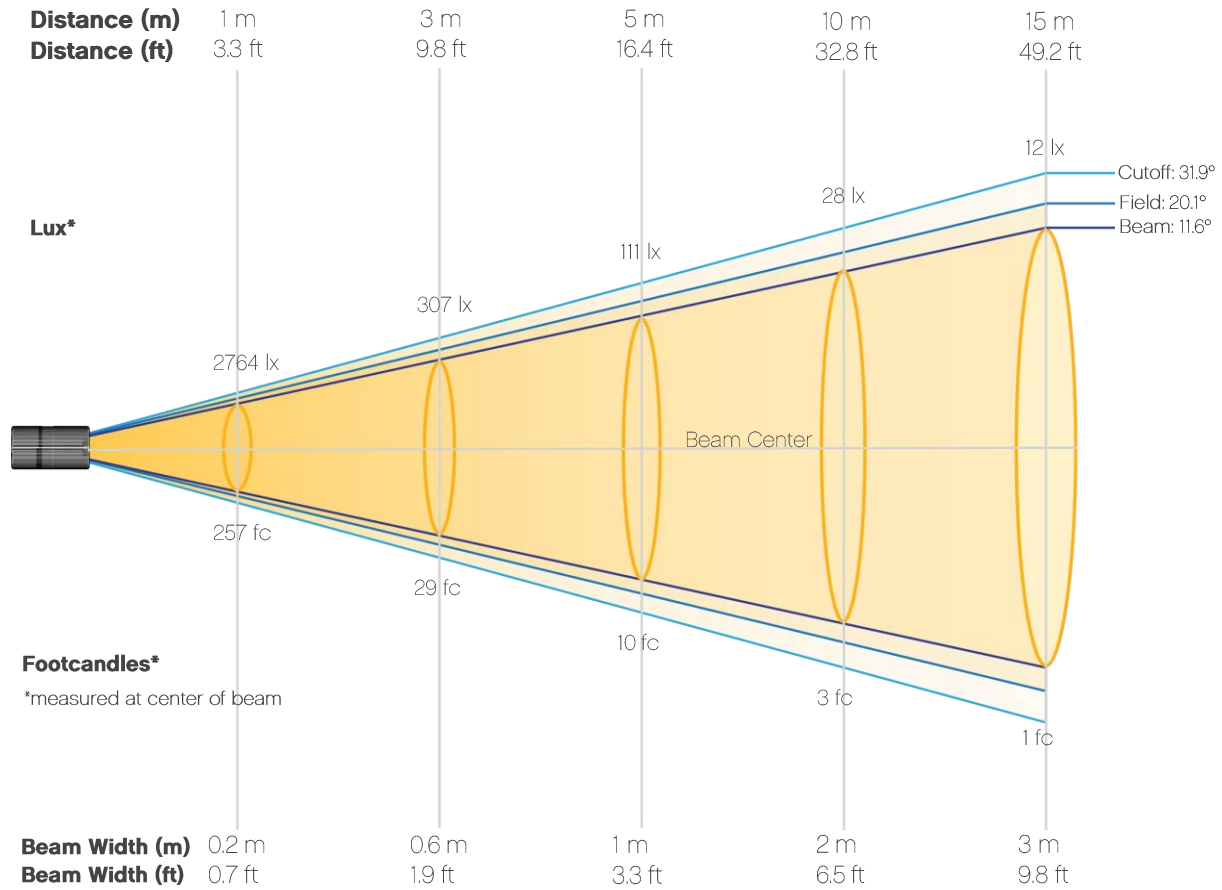
CIE 1931



Photometric Report

Well Fit : Standard Optics, Blue Only

Beam Details



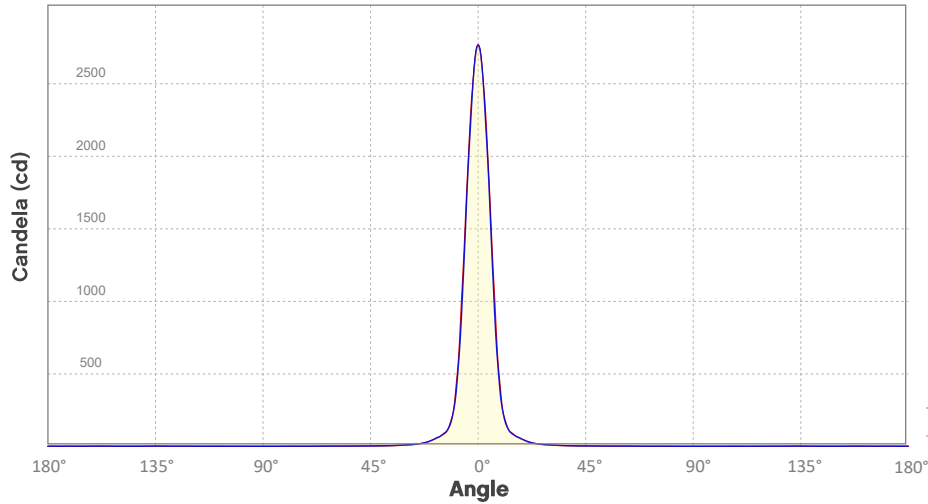
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2764	691	307	173	111	77	56	43	34	28
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	23	19	16	14	12	11	10	9	8	7
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	257	64	29	16	10	7	5	4	3	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2	2	2	1	1	1	1	1	1	1

Photometric Report

Well Fit : Standard Optics, Blue Only

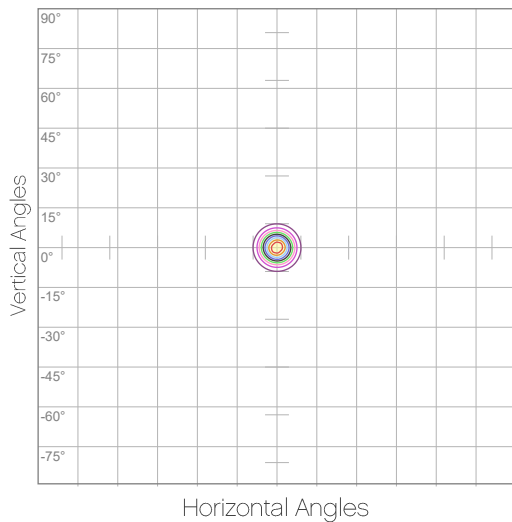
Candela Plot



Beam Angle (50%): 11.3°
Field Angle (10%): 20°
Cutoff Angle (3%): 31.1°

— Horizontal Distribution
— Vertical Distribution

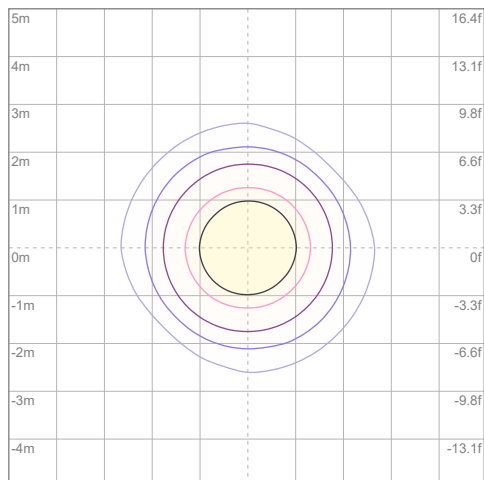
Polar Diagrams



iso-candela Diagram

10%	276 cd
20%	553 cd
30%	829 cd
40%	1106 cd
50%	1382 cd
60%	1658 cd
70%	1935 cd
80%	2211 cd
90%	2487 cd

Conditions:
Number of c-planes: 8
Candela at center: 2764 cd



iso-illuminance Diagram

3%	0.829 lx
5%	1.38 lx
10%	2.76 lx
30%	8.29 lx
50%	13.8 lx

Conditions:
Number of c-planes: 8
Lux at center: 27.6 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well Fit : Standard Optics, Amber Only

Report Summary

Output

Total Lumens: 361 lm
Peak Intensity: 7111 cd
Illuminance @ 5m: 284 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 11.1°
Vertical Beam Angle (50%): 11.1°
Horizontal Field Angle (10%): 19.5°
Vertical Field Angle (10%): 19.4°
Horizontal Cutoff Angle (3%): 30.2°
Vertical Cutoff Angle (3%): 30.9°

Conditions

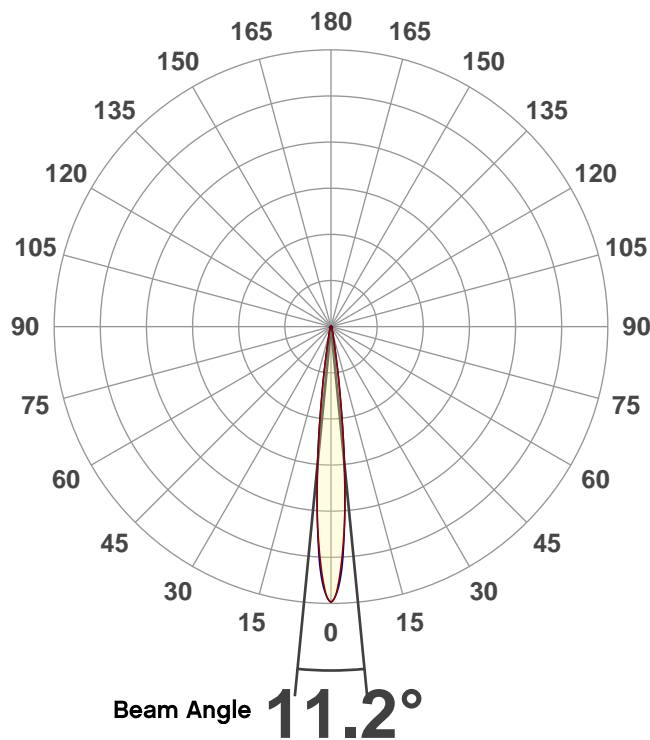
AC Supply: 120 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a



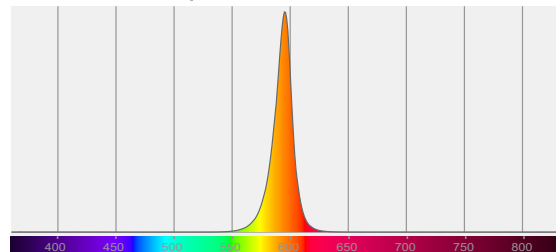
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/17/2020 to LM-63-2002 Standards.

Overall Measurement

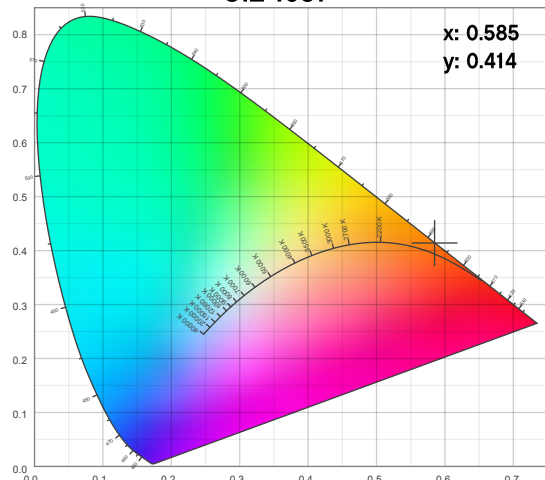
Angular Beam Distribution



Spectral Distribution



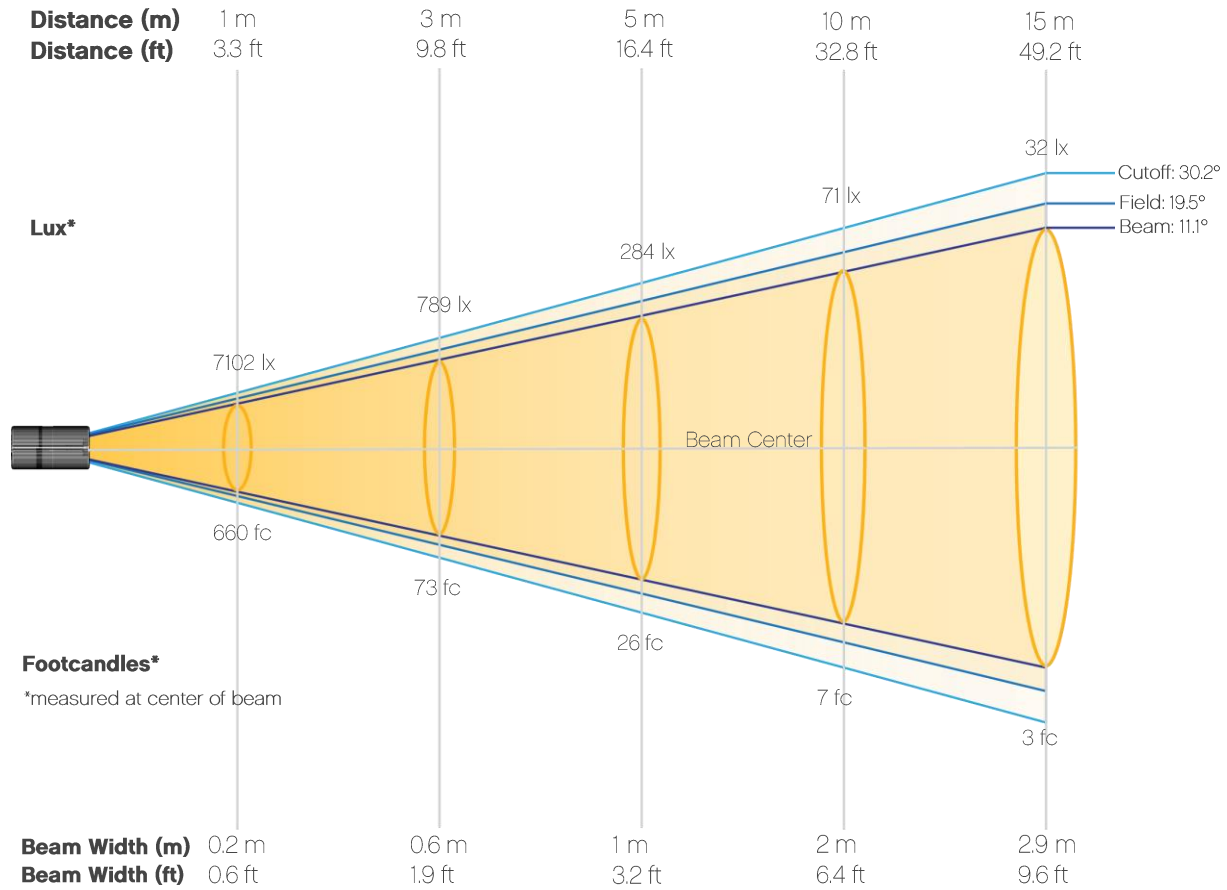
CIE 1931



Photometric Report

Well Fit : Standard Optics, Amber Only

Beam Details



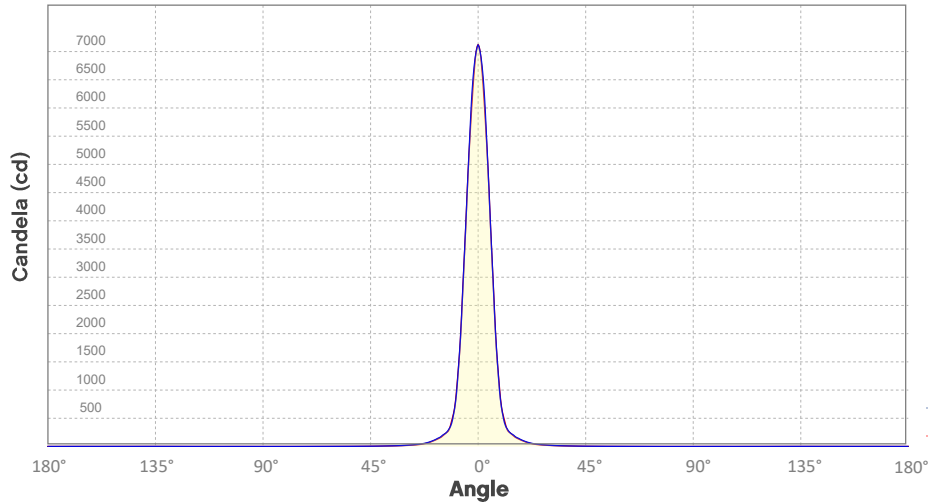
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7102	1776	789	444	284	197	145	111	88	71
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	59	49	42	36	32	28	25	22	20	18
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	660	165	73	41	26	18	13	10	8	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	5	5	4	3	3	3	2	2	2	2

Photometric Report

Well Fit : Standard Optics, Amber Only

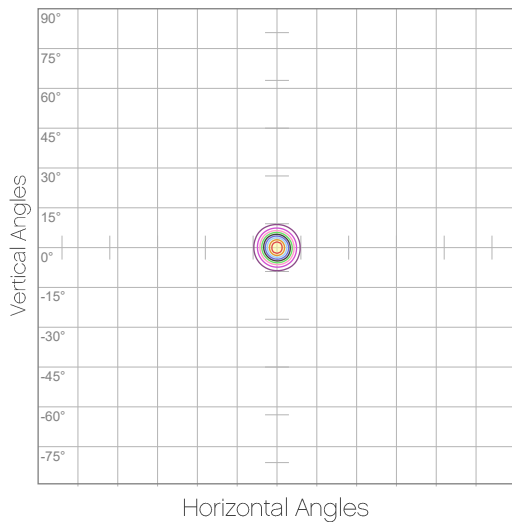
Candela Plot



Beam Angle (50%): 11.2°
 Field Angle (10%): 19.6°
 Cutoff Angle (3%): 29.9°

— Horizontal Distribution
 — Vertical Distribution

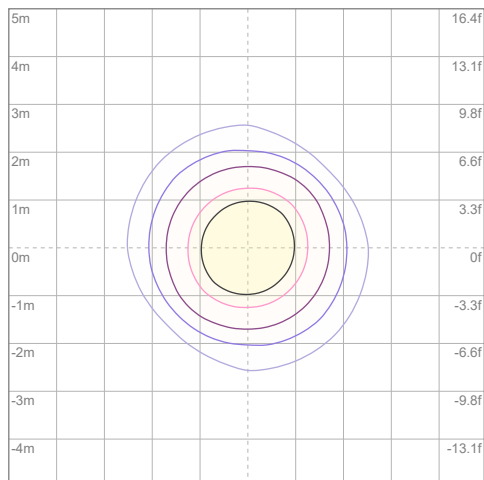
Polar Diagrams



iso-candela Diagram

10%	710 cd
20%	1420 cd
30%	2131 cd
40%	2841 cd
50%	3551 cd
60%	4261 cd
70%	4972 cd
80%	5682 cd
90%	6392 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 7102 cd



iso-illuminance Diagram

3%	2.13 lx
5%	3.55 lx
10%	7.10 lx
30%	21.3 lx
50%	35.5 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 71.0 lx

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

Mounting height: 10 meters / 33 feet

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
5200 NW 108 th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet Europe Ltd	
Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Europe BVBA	
Stokstraat 18 9770 Kruishoutem, Belgium Voice: +32 (9) 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
3, Rue Ampère 91380 Chilly-Mazarin, France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Bruno-Bürgel-Str. 11 28759 Bremen, Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvetlighting.de Website: www.chauvetprofessional.eu

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.