

PHOTOMETRICS REPORT

ILUMIPOD SL



ILUMINARC®

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Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Ilumipod SL: Standard Optics, Full Power

Report Summary

Output

Total Lumens: 2113 lm
Peak Intensity: 110512 cd
Illuminance @ 5m: 4414 lux
Fixture Efficacy: 34 lm/W

Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.5°
Horizontal Field Angle (10%): 11.1°
Vertical Field Angle (10%): 11.3°
Horizontal Cutoff Angle (3%): 18.3°
Vertical Cutoff Angle (3%): 18.8°

Conditions

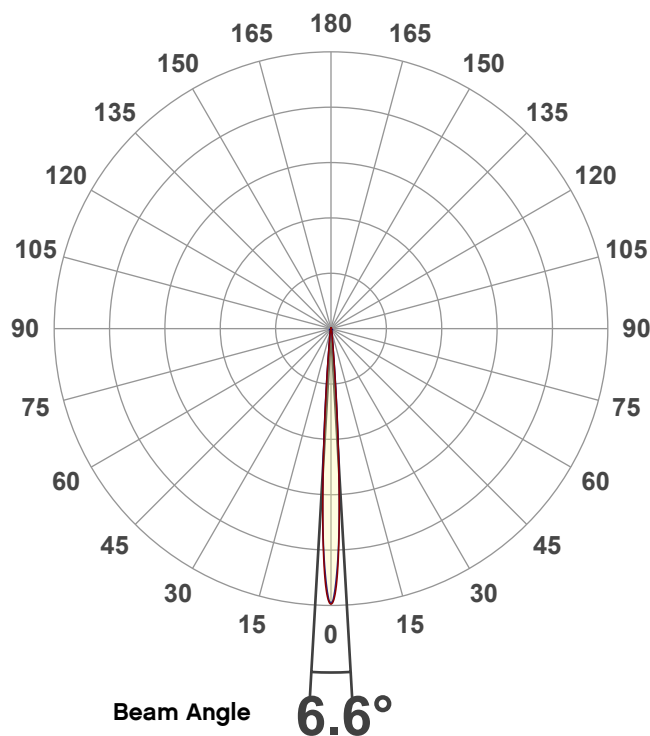
AC Supply: 121 V, 60 Hz
Power: 63.95 W
Current: 0.529 A
Power Factor: 0.98



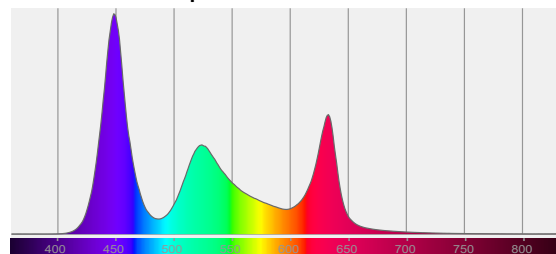
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 4/14/2021 to LM-63-2002 Standards.

Overall Measurement

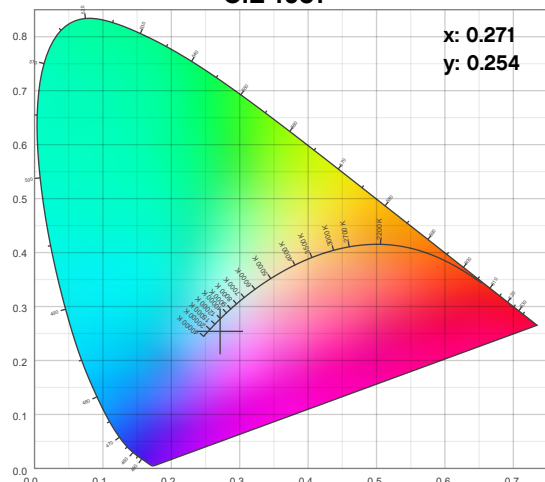
Angular Beam Distribution



Spectral Distribution



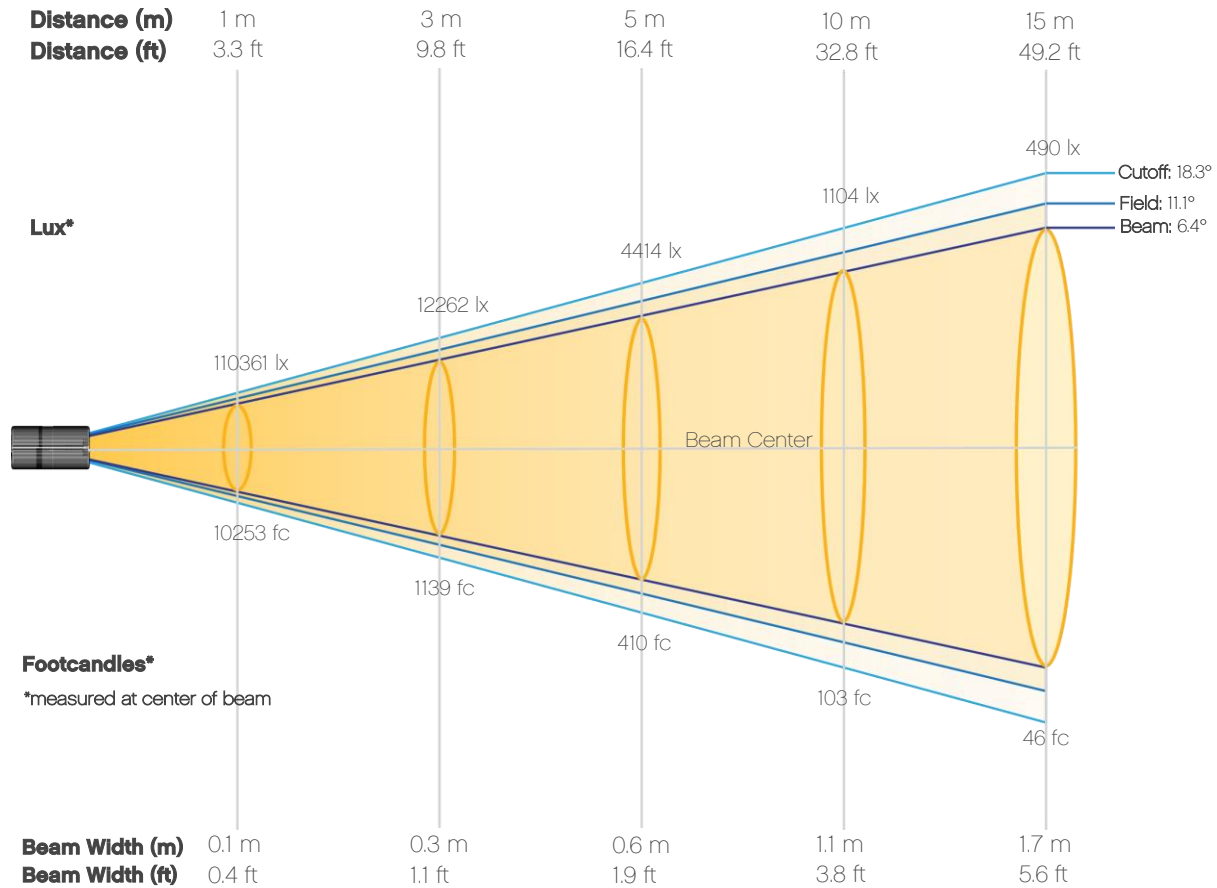
CIE 1931



Photometric Report

Ilumipod SL: Standard Optics, Full Power

Beam Details



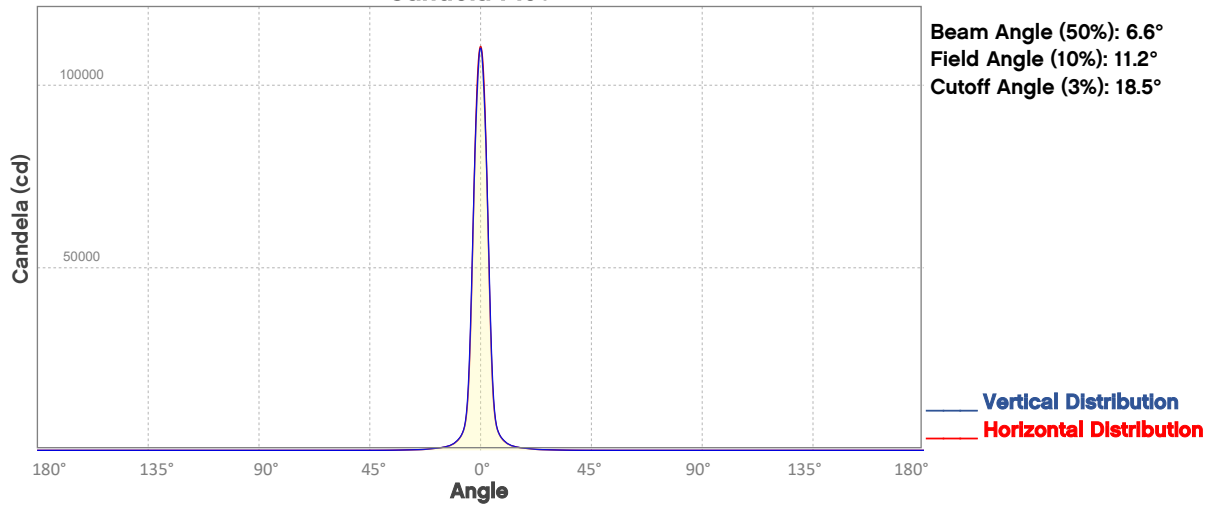
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	110361	27590	12262	6898	4414	3066	2252	1724	1362	1104
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	912	766	653	563	490	431	382	341	306	276
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10253	2563	1139	641	410	285	209	160	127	103
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	85	71	61	52	46	40	35	32	28	26

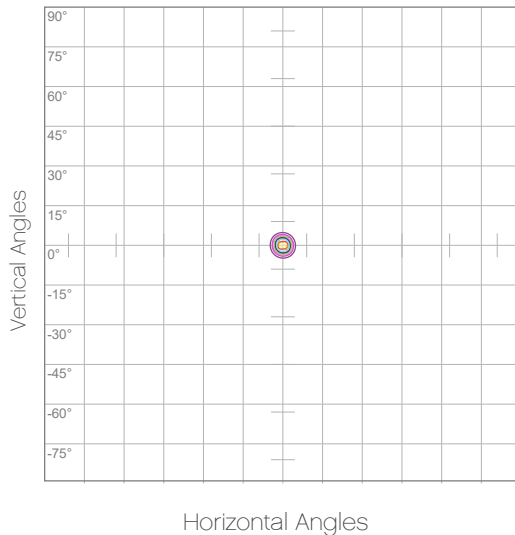
Photometric Report

Ilumipod SL: Standard Optics, Full Power

Candela Plot



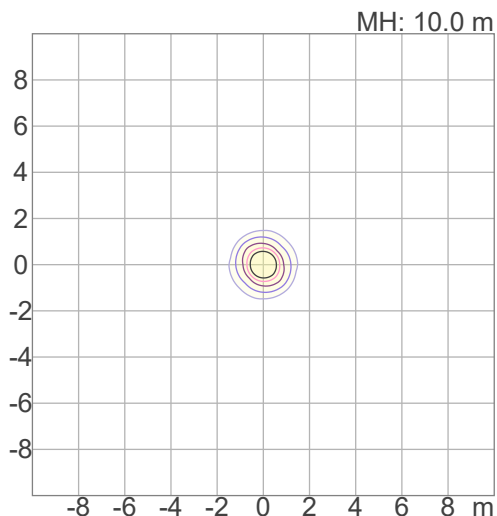
Polar Diagrams



Iso-candela Diagram

10%	11036 cd
20%	22072 cd
30%	33108 cd
40%	44144 cd
50%	55180 cd
60%	66217 cd
70%	77253 cd
80%	88289 cd
90%	99325 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 110361 cd



Iso-illuminance Diagram

3%	33.1 lx
5%	55.2 lx
10%	110 lx
30%	331 lx
50%	552 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 1104 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumipod SL: Accessory Optics - Medium Filter, Full Power

Report Summary

Output

Total Lumens: 1884 lm
Peak Intensity: 10347 cd
Illuminance @ 5m: 413 lux
Fixture Efficacy: 30 lm/W

Optical

Horizontal Beam Angle (50%): 20.2°
Vertical Beam Angle (50%): 19.7°
Horizontal Field Angle (10%): 40.7°
Vertical Field Angle (10%): 40.9°
Horizontal Cutoff Angle (3%): 60.4°
Vertical Cutoff Angle (3%): 60.7°

Conditions

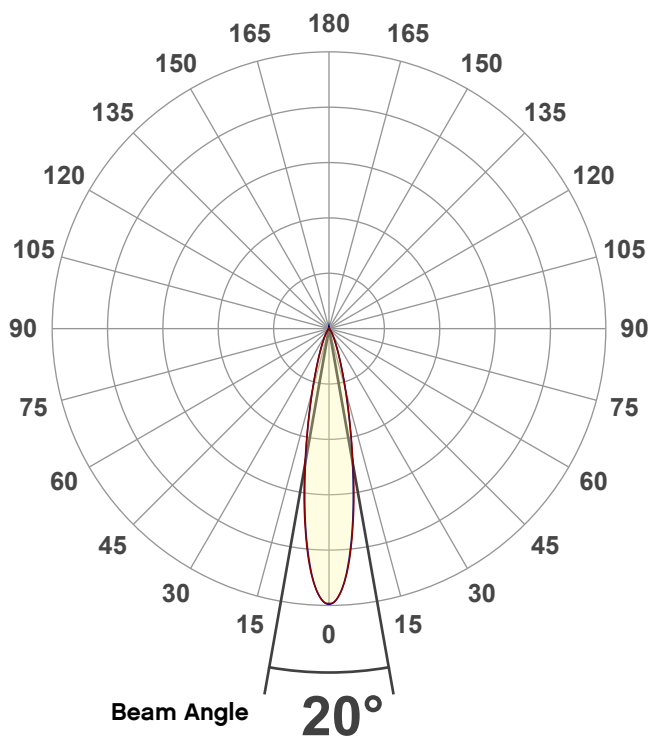
AC Supply: 121 V, 60 Hz
Power: 63.59 W
Current: 0.524 A
Power Factor: 0.98



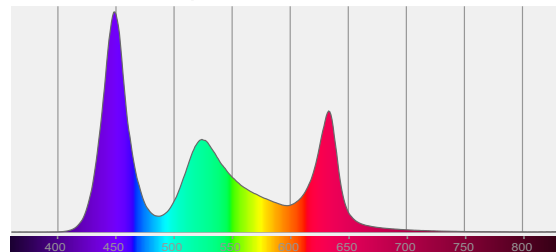
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Overall Measurement

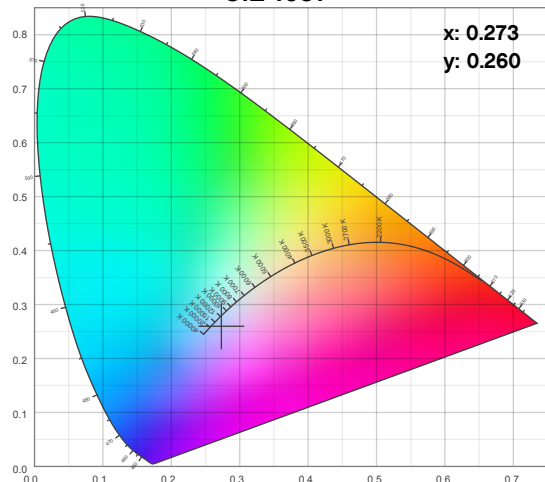
Angular Beam Distribution



Spectral Distribution



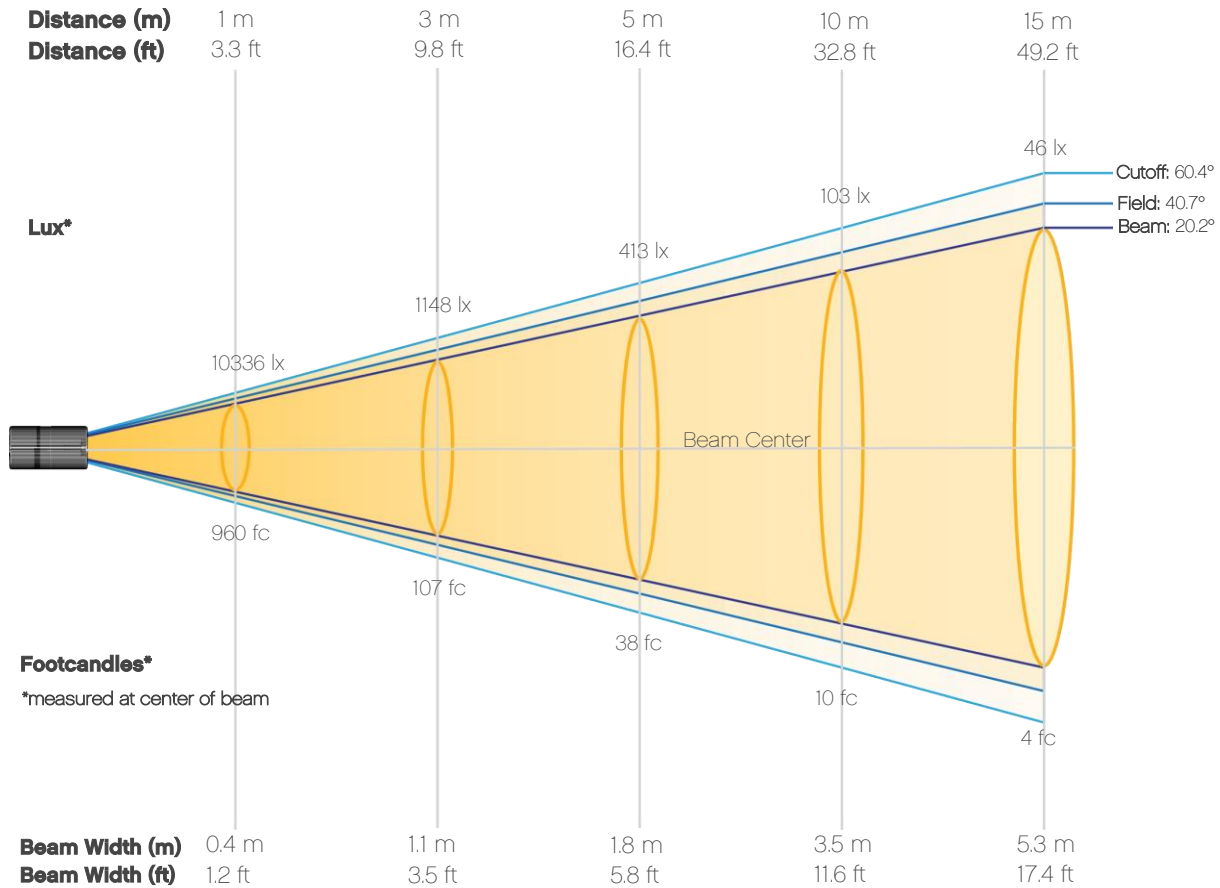
CIE 1931



Photometric Report

Ilumipod SL: Accessory Optics - Medium Filter, Full Power

Beam Details



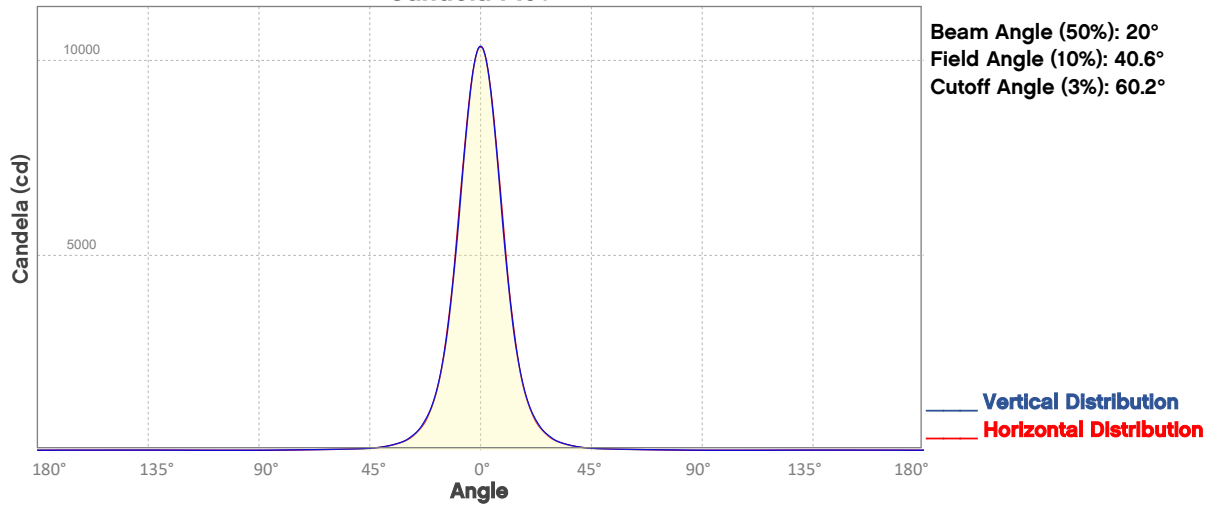
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	10336	2584	1148	646	413	287	211	161	128	103
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	85	72	61	53	46	40	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	960	240	107	60	38	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

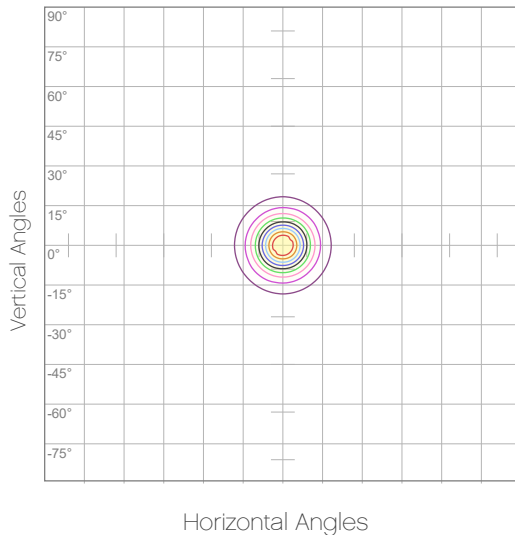
Photometric Report

Ilumipod SL: Accessory Optics - Medium Filter, Full Power

Candela Plot



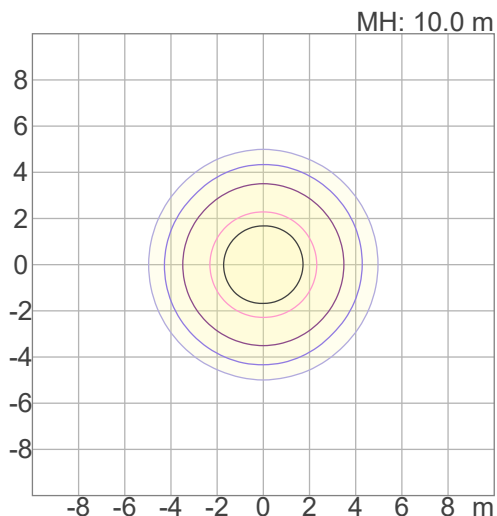
Polar Diagrams



iso-candela Diagram

10%	1034 cd
20%	2067 cd
30%	3101 cd
40%	4134 cd
50%	5168 cd
60%	6201 cd
70%	7235 cd
80%	8268 cd
90%	9302 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 10336 cd



iso-illuminance Diagram

3%	3.10 lx
5%	5.17 lx
10%	10.3 lx
30%	31.0 lx
50%	51.7 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 103 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumipod SL: Accessory Optics - Wide Filter, Full Power

Report Summary

Output

Total Lumens: 1562 lm
Peak Intensity: 2949 cd
Illuminance @ 5m: 118 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 32.4°
Vertical Beam Angle (50%): 32.5°
Horizontal Field Angle (10%): 64.8°
Vertical Field Angle (10%): 64.8°
Horizontal Cutoff Angle (3%): 140.8°
Vertical Cutoff Angle (3%): 138.6°

Conditions

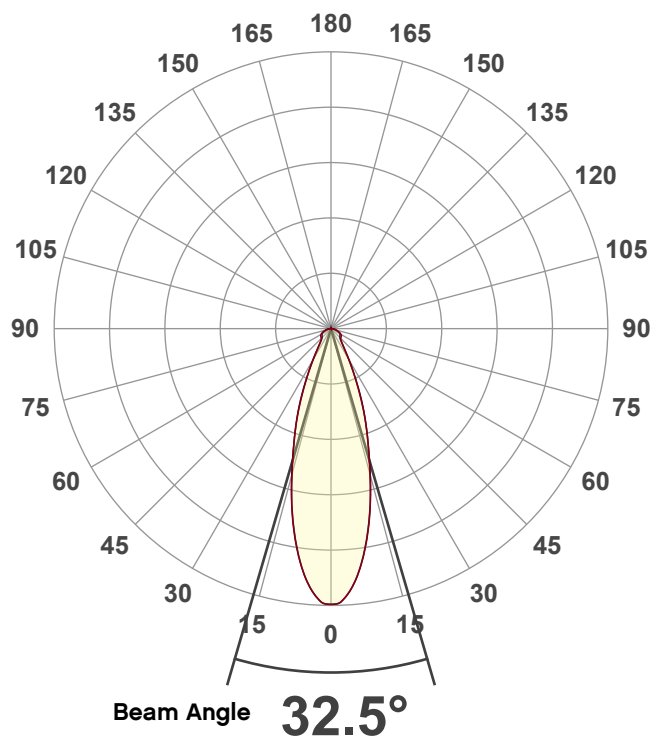
AC Supply: 121 V, 60 Hz
Power: 63.41 W
Current: 0.524 A
Power Factor: 0.98



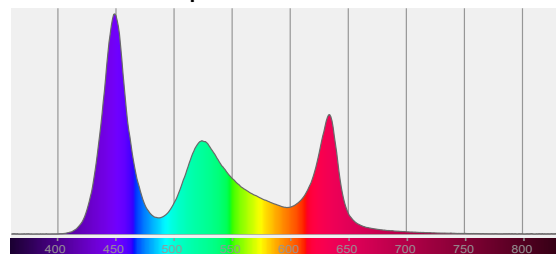
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Overall Measurement

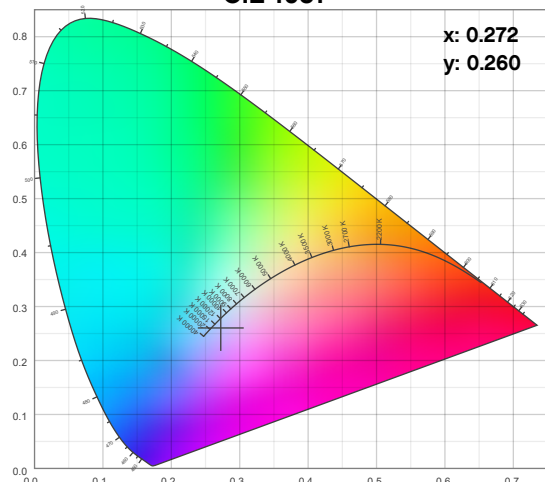
Angular Beam Distribution



Spectral Distribution



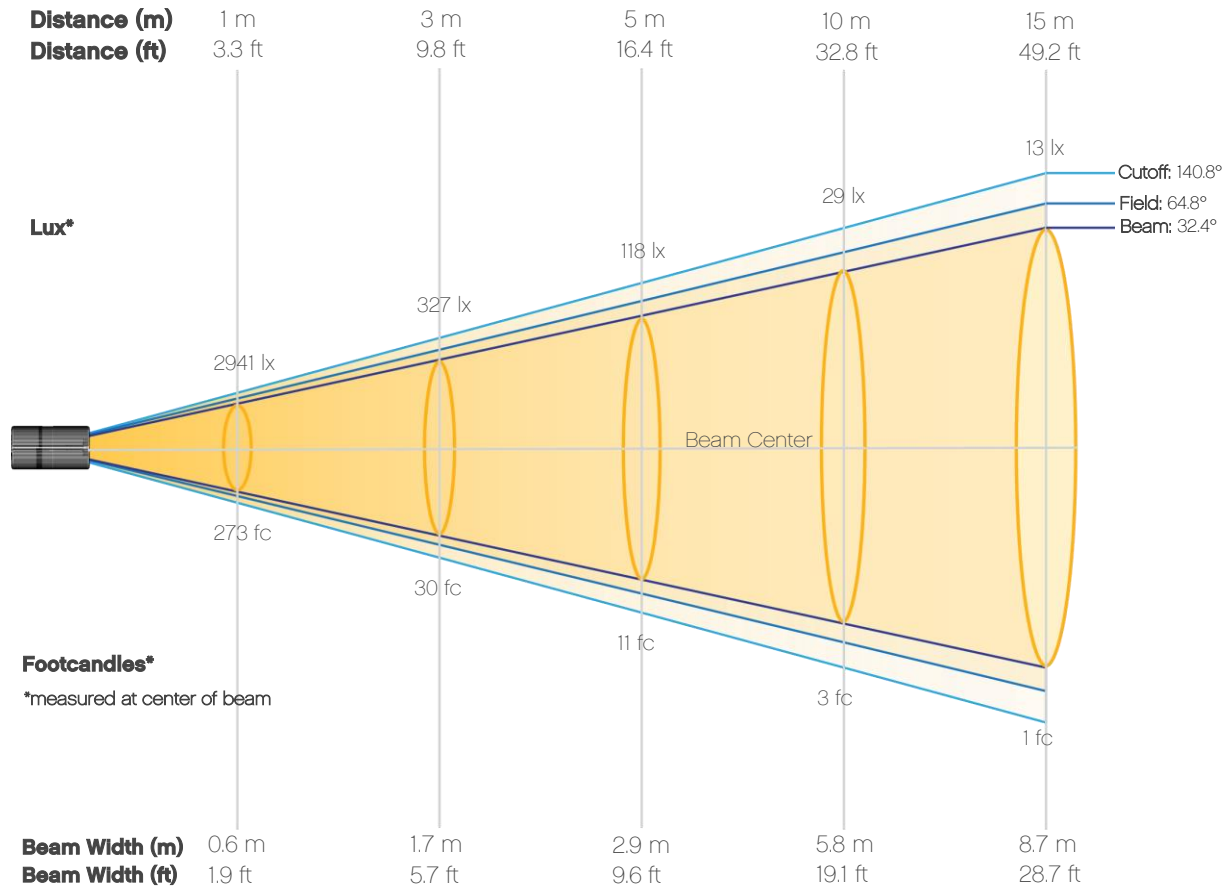
CIE 1931



Photometric Report

Ilumipod SL: Accessory Optics - Wide Filter, Full Power

Beam Details



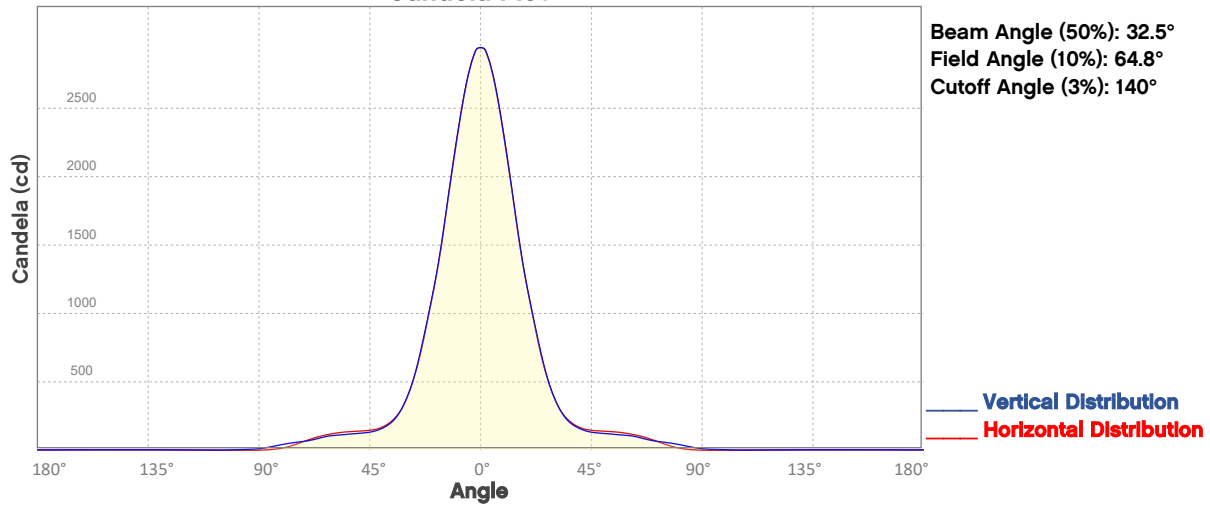
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2941	735	327	184	118	82	60	46	36	29
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	24	20	17	15	13	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	273	68	30	17	11	8	6	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

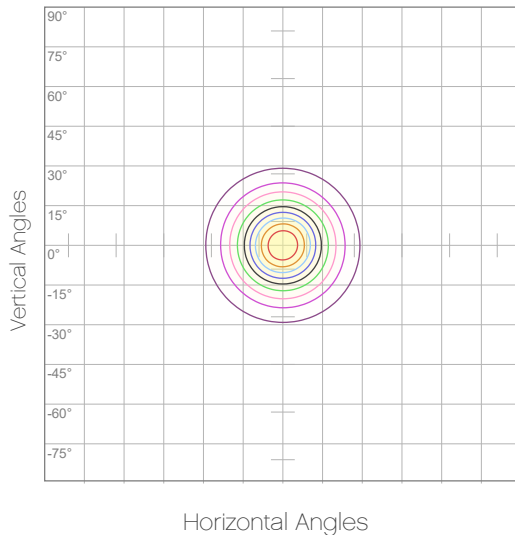
Photometric Report

Ilumipod SL: Accessory Optics - Wide Filter, Full Power

Candela Plot



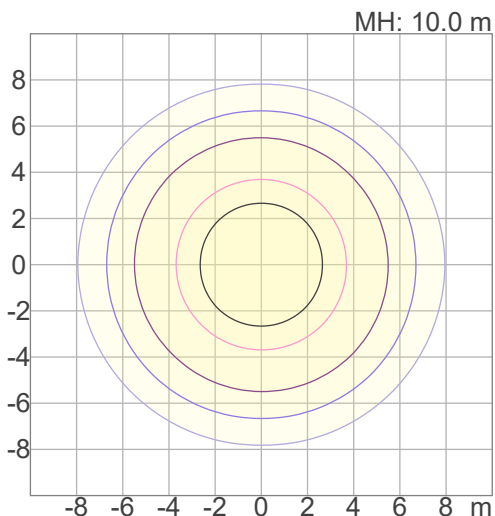
Polar Diagrams



iso-candela Diagram

10%	294 cd
20%	588 cd
30%	882 cd
40%	1176 cd
50%	1470 cd
60%	1765 cd
70%	2059 cd
80%	2353 cd
90%	2647 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 2941 cd



iso-illuminance Diagram

3%	0.882 lx
5%	1.47 lx
10%	2.94 lx
30%	8.82 lx
50%	14.7 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 29.4 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumipod SL: Accessory Optics - Very Wide Filter, Full Power

Report Summary

Output

Total Lumens: 1479 lm
Peak Intensity: 2187 cd
Illuminance @ 5m: 87 lux
Fixture Efficacy: 24 lm/W

Optical

Horizontal Beam Angle (50%): 34.8°
Vertical Beam Angle (50%): 34.3°
Horizontal Field Angle (10%): 73.4°
Vertical Field Angle (10%): 71.9°
Horizontal Cutoff Angle (3%): 150.4°
Vertical Cutoff Angle (3%): 158.7°

Conditions

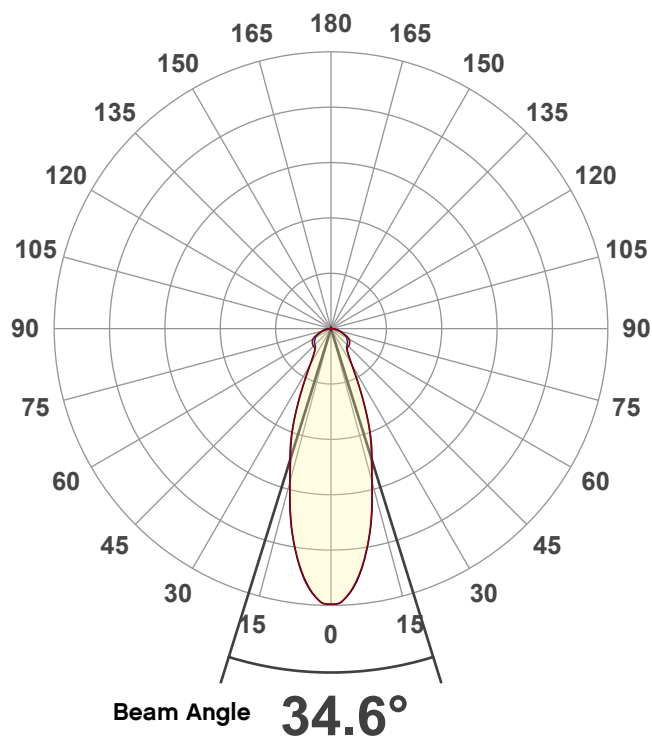
AC Supply: 121 V, 60 Hz
Power: 63.3 W
Current: 0.523 A
Power Factor: 0.98



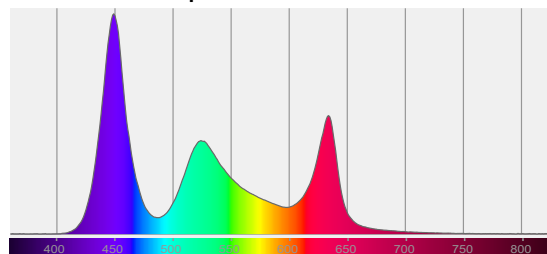
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Overall Measurement

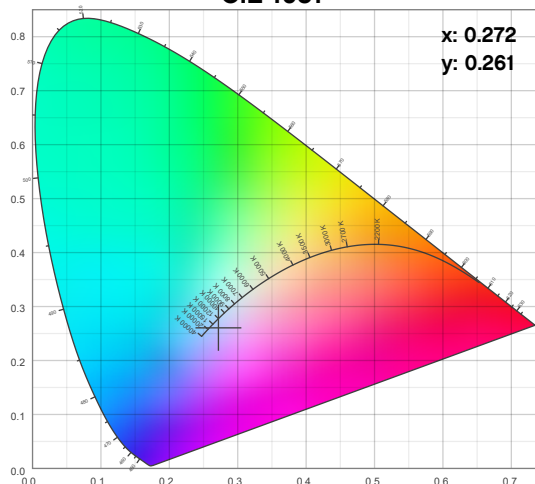
Angular Beam Distribution



Spectral Distribution



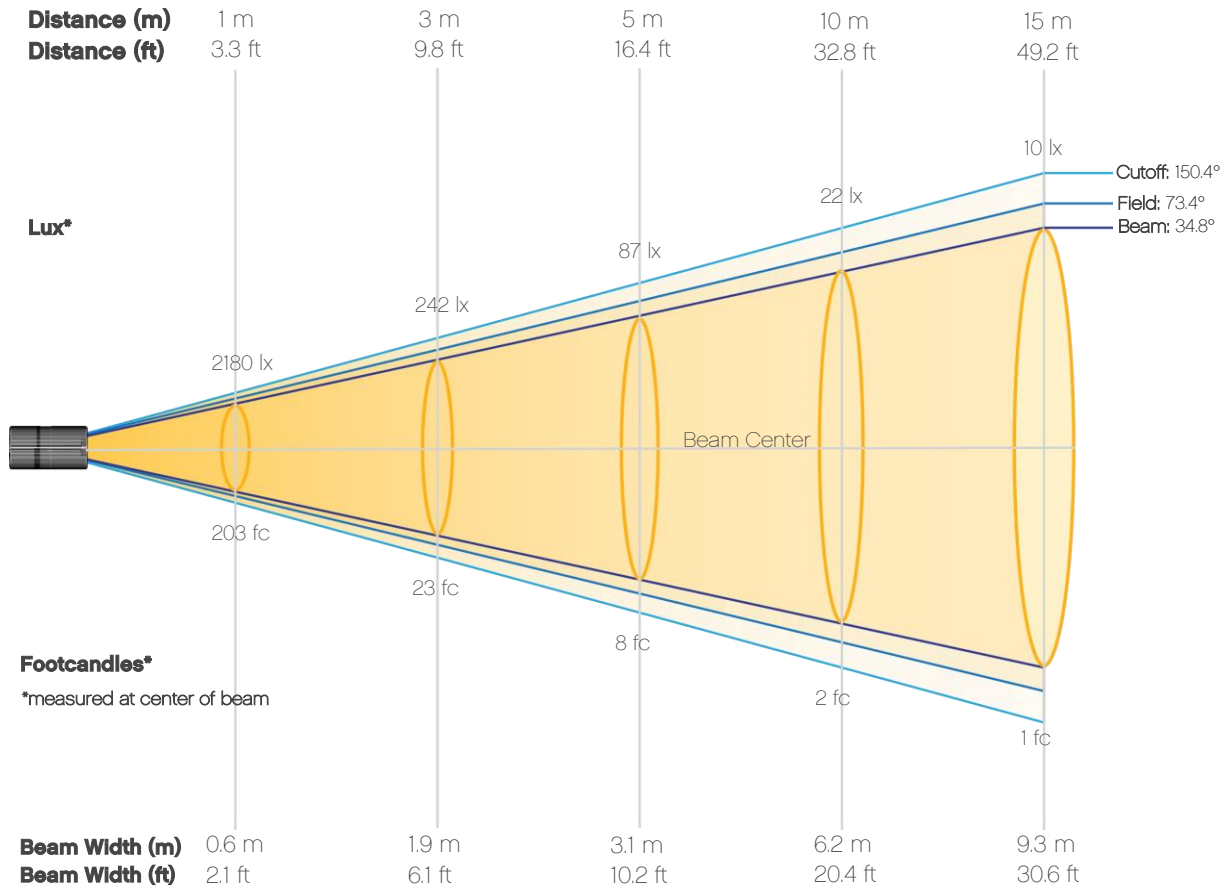
CIE 1931



Photometric Report

Ilumipod SL: Accessory Optics - Very Wide Filter, Full Power

Beam Details



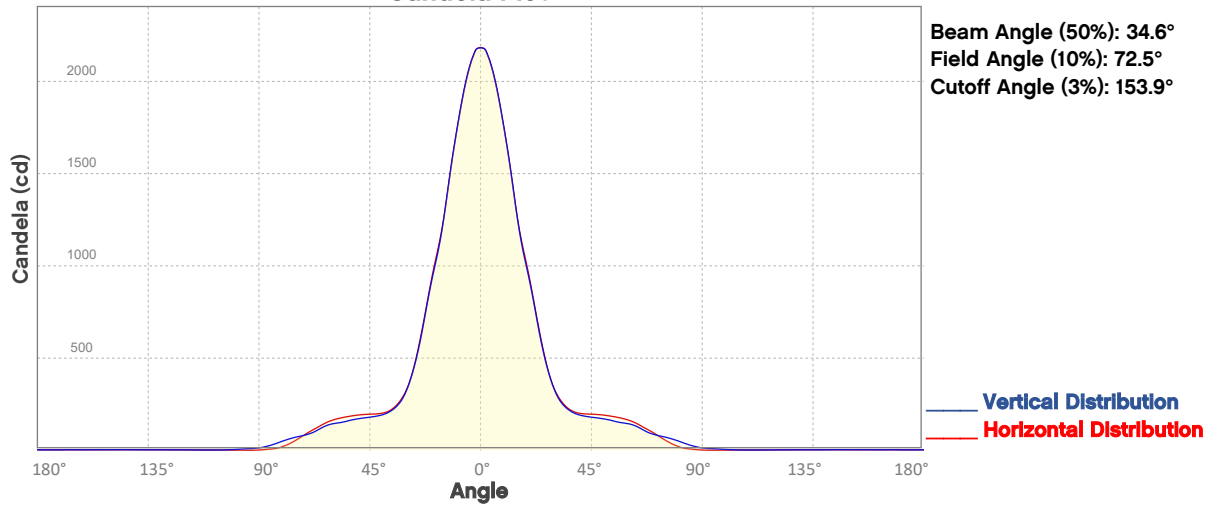
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2180	545	242	136	87	61	44	34	27	22
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	18	15	13	11	10	9	8	7	6	5
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	203	51	23	13	8	6	4	3	3	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	1

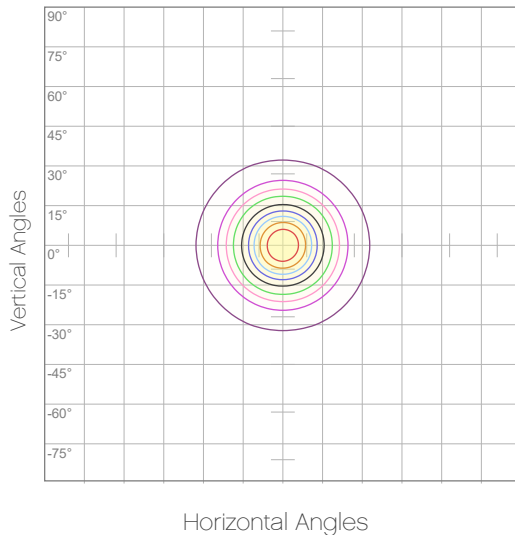
Photometric Report

Ilumipod SL: Accessory Optics - Very Wide Filter, Full Power

Candela Plot



Polar Diagrams

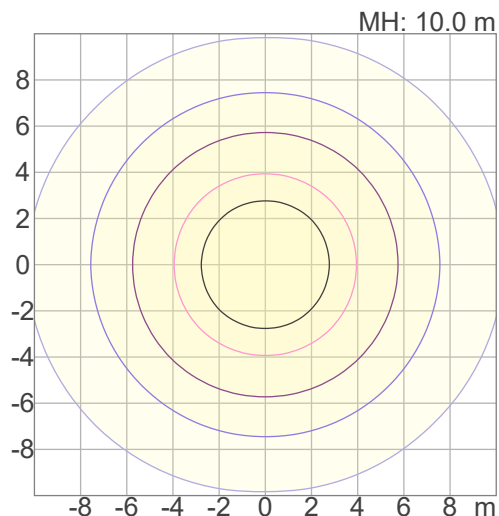


iso-candela Diagram

10%	218 cd
20%	436 cd
30%	654 cd
40%	872 cd
50%	1090 cd
60%	1308 cd
70%	1526 cd
80%	1744 cd
90%	1962 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 2180 cd

Horizontal Angles



iso-illuminance Diagram

3%	0.654 lx
5%	1.09 lx
10%	2.18 lx
30%	6.54 lx
50%	10.9 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 21.8 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumipod SL: Accessory Optics - Asymmetrical Filter, Full Power

Report Summary

Output

Total Lumens: 1775 lm
Peak Intensity: 7484 cd
Illuminance @ 5m: 299 lux
Fixture Efficacy: 27 lm/W

Optical

Horizontal Beam Angle (50%): 35.3°
Vertical Beam Angle (50%): 12.1°
Horizontal Field Angle (10%): 67°
Vertical Field Angle (10%): 29.6°
Horizontal Cutoff Angle (3%): 97.5°
Vertical Cutoff Angle (3%): 53.2°

Conditions

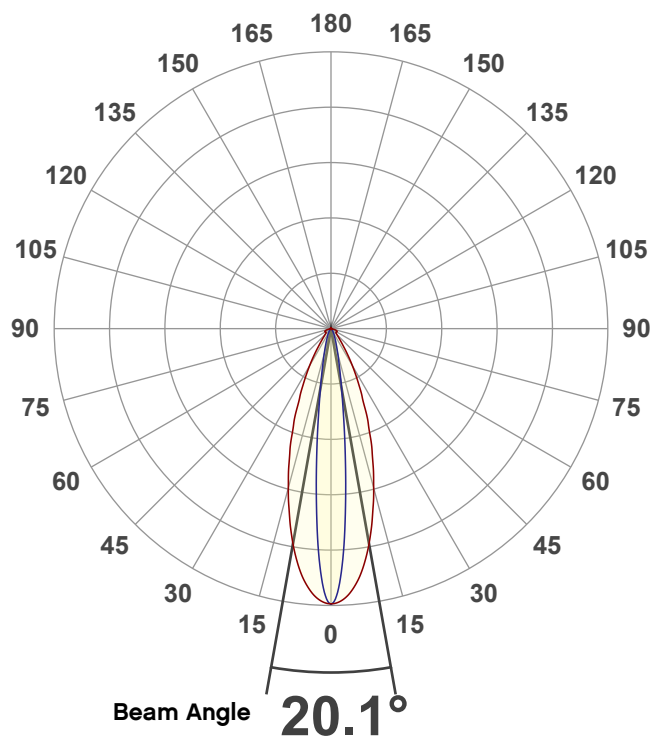
AC Supply: 120 V, 60 Hz
Power: 67.11 W
Current: 0.559 A
Power Factor: 0.98



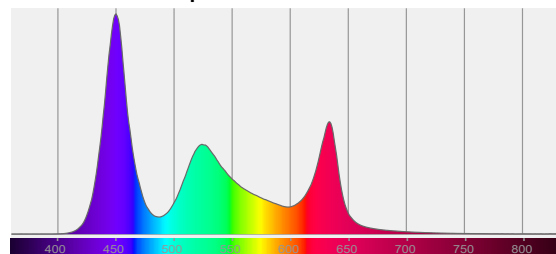
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Overall Measurement

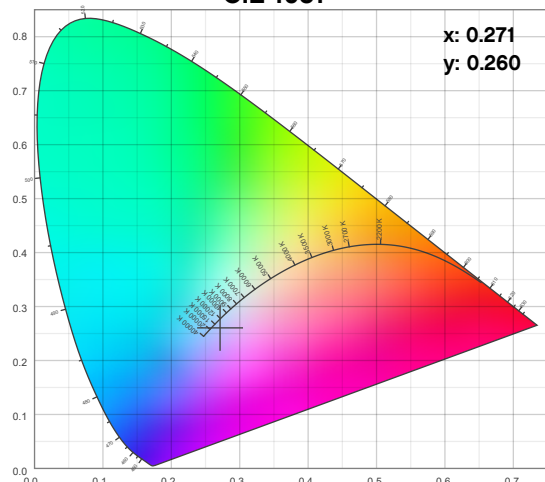
Angular Beam Distribution



Spectral Distribution



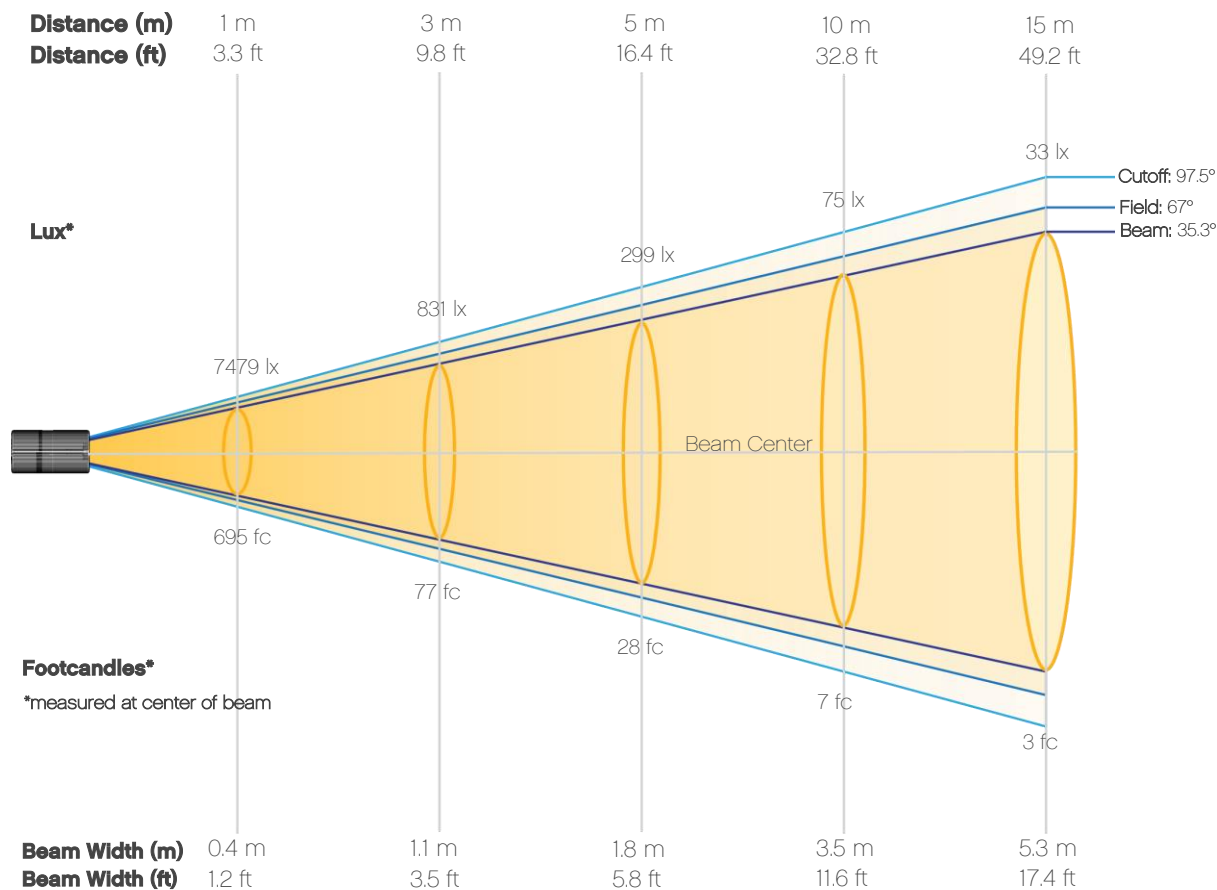
CIE 1931



Photometric Report

Ilumipod SL: Accessory Optics - Asymmetrical Filter, Full Power

Beam Details



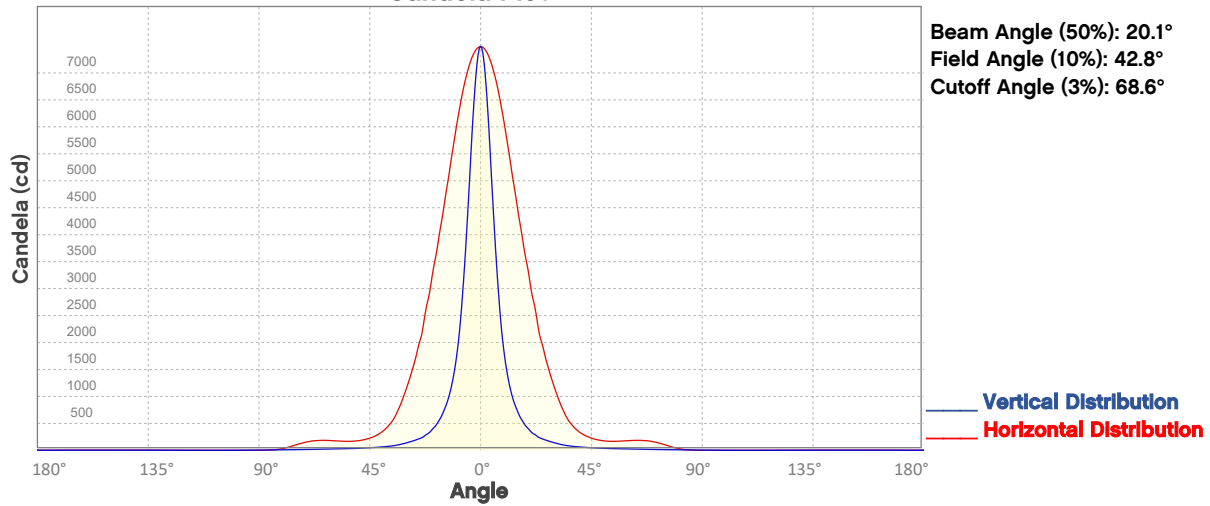
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7479	1870	831	467	299	208	153	117	92	75
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	62	52	44	38	33	29	26	23	21	19
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	695	174	77	43	28	19	14	11	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	2	2	2	2

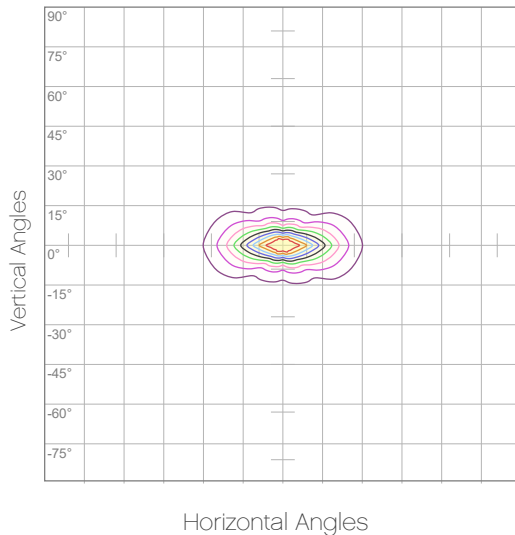
Photometric Report

Ilumipod SL: Accessory Optics - Asymmetrical Filter, Full Power

Candela Plot



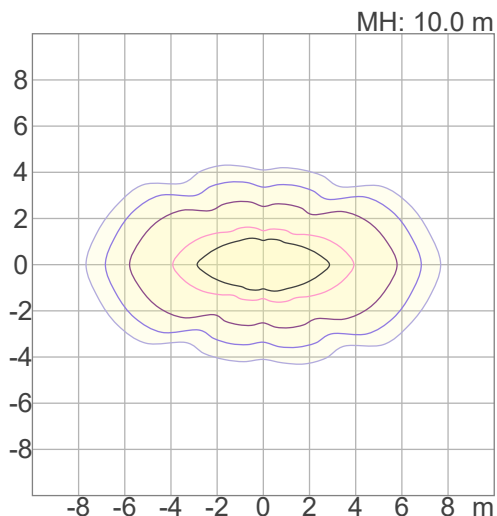
Polar Diagrams



iso-candela Diagram

10%	748 cd
20%	1496 cd
30%	2244 cd
40%	2991 cd
50%	3739 cd
60%	4487 cd
70%	5235 cd
80%	5983 cd
90%	6731 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 7479 cd



iso-illuminance Diagram

3%	2.24 lx
5%	3.74 lx
10%	7.48 lx
30%	22.4 lx
50%	37.4 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 74.8 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	
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