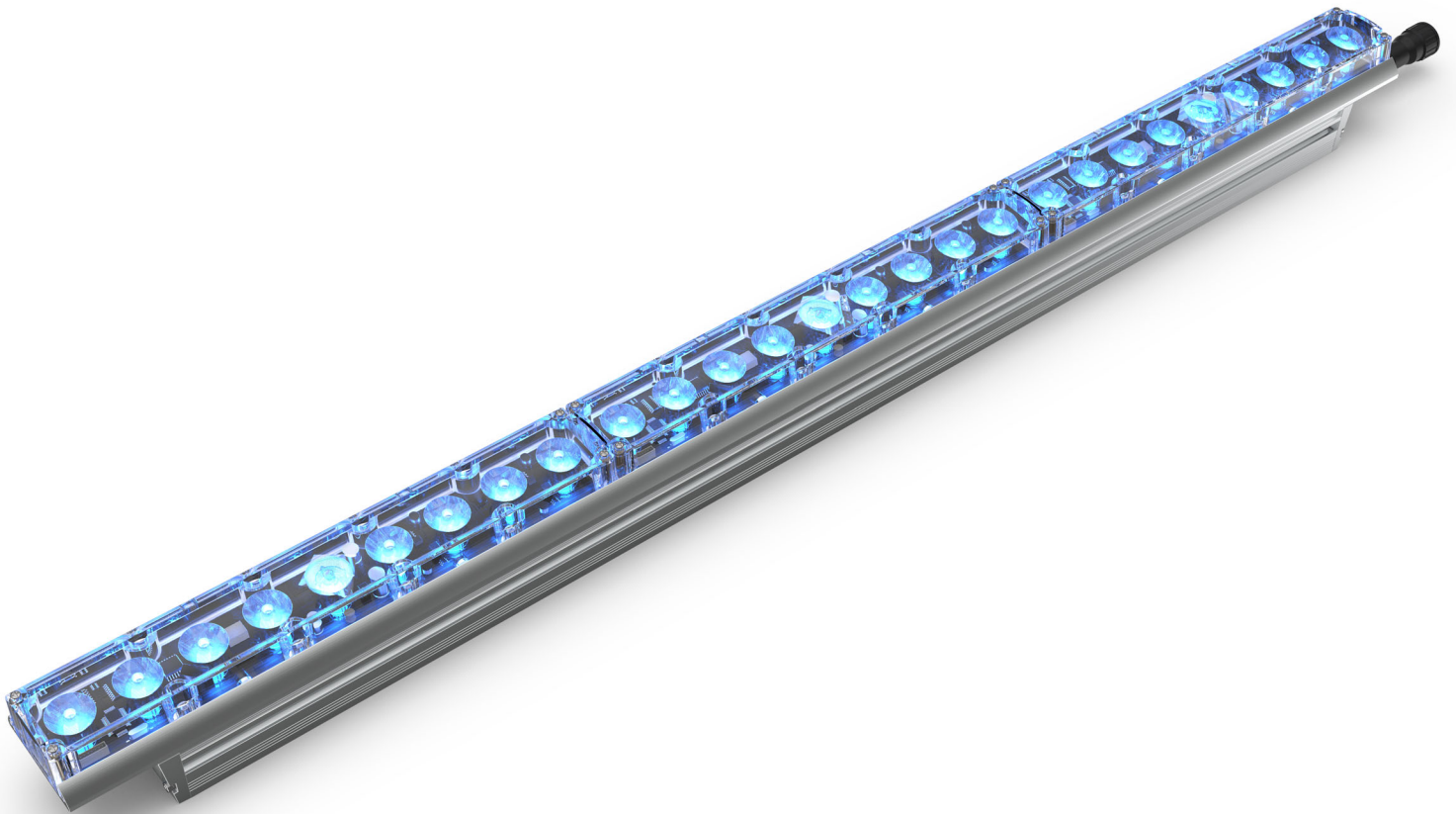


PHOTOMETRICS REPORT

ILUMILINE ML



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

Ilumiline ML: Standard Optics, Full Power

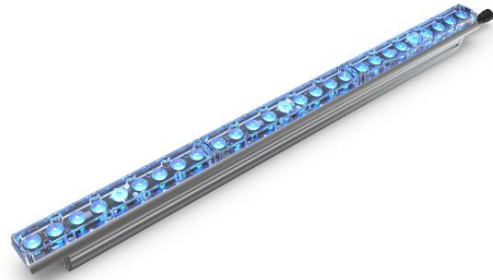
Report Summary

Output

Total Lumens: 2390 lm
Peak Intensity: 16025 cd
Illuminance @ 5m: 641 lux
Fixture Efficacy: 42 lm/W

Optical

Horizontal Beam Angle (50%): 14.3°
Vertical Beam Angle (50%): 14.3°
Horizontal Field Angle (10%): 31.9°
Vertical Field Angle (10%): 31.9°
Horizontal Cutoff Angle (3%): 53.3°
Vertical Cutoff Angle (3%): 53.3°



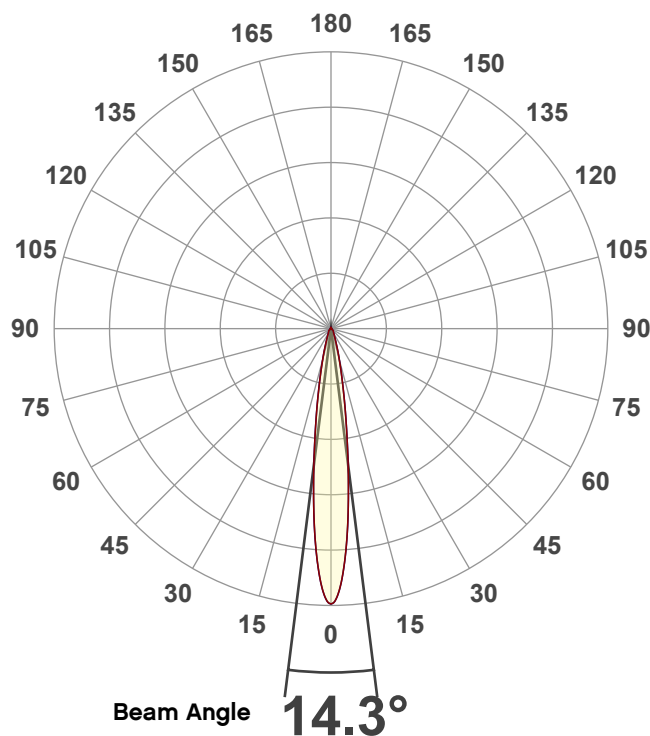
Conditions

AC Supply: 119 V, 60 Hz
Power: 59.25 W
Current: 0.496 A
Power Factor: 0.97

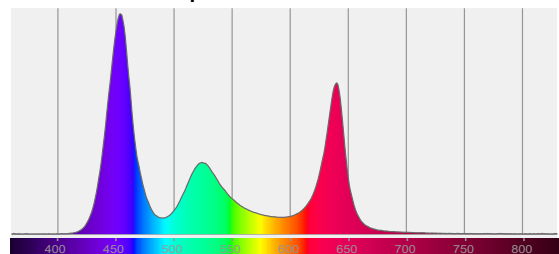
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/5/2021 to LM-63-2002 Standards.

Overall Measurement

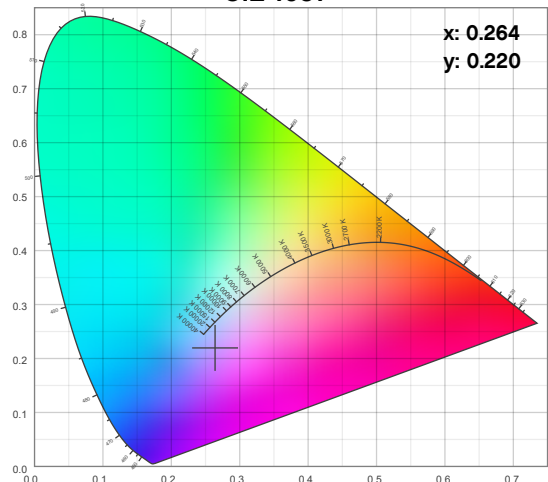
Angular Beam Distribution



Spectral Distribution



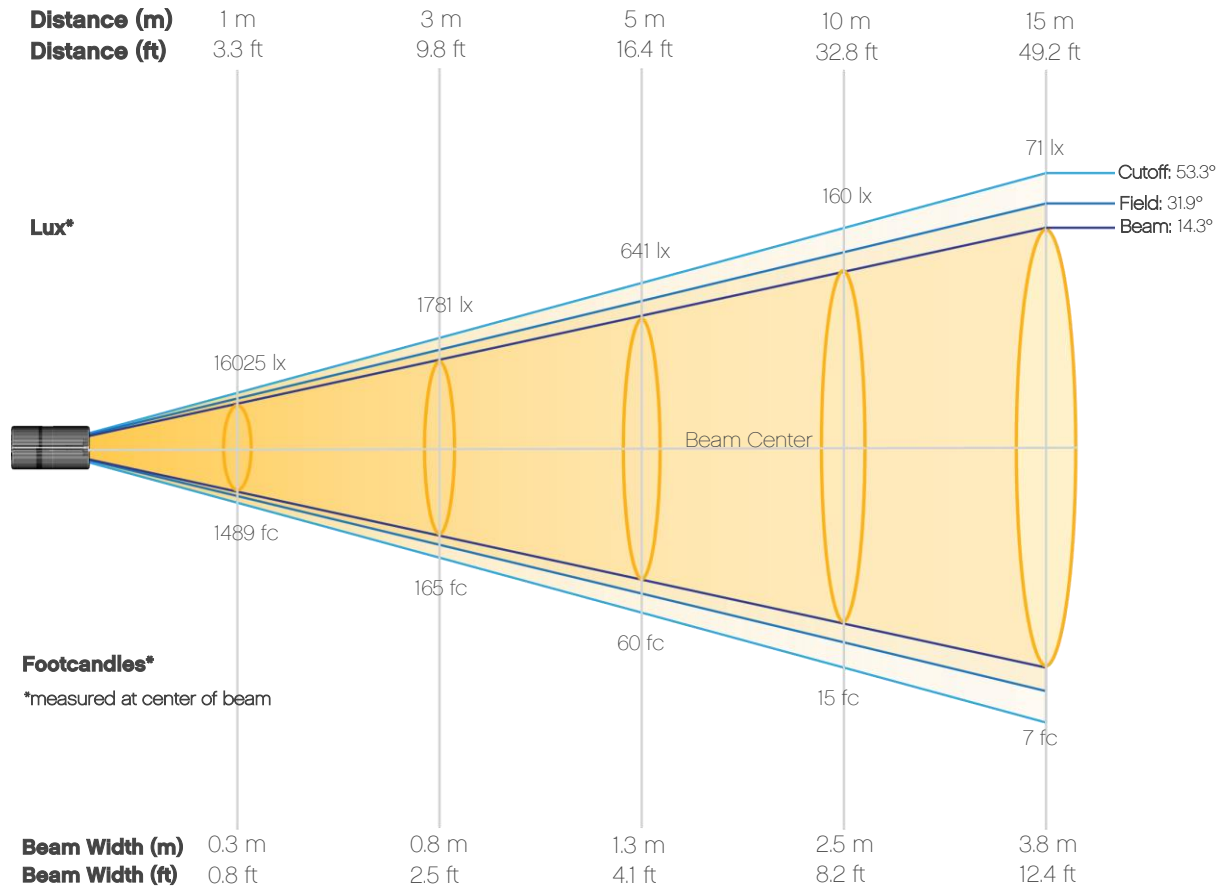
CIE 1931



Photometric Report

Ilumiline ML: Standard Optics, Full Power

Beam Details



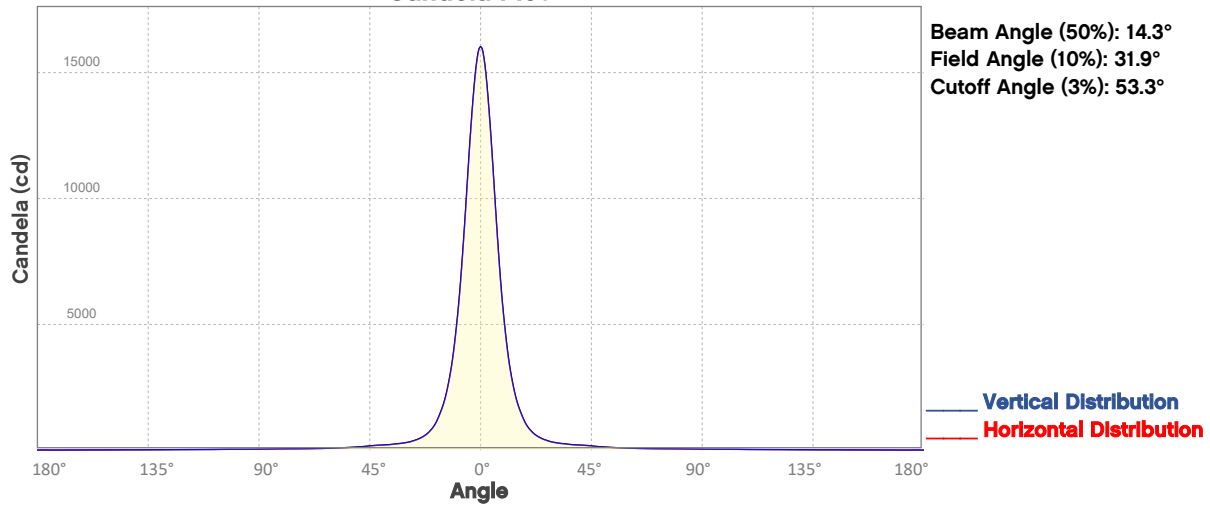
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16025	4006	1781	1002	641	445	327	250	198	160
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	132	111	95	82	71	63	55	49	44	40
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1489	372	165	93	60	41	30	23	18	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	9	8	7	6	5	5	4	4

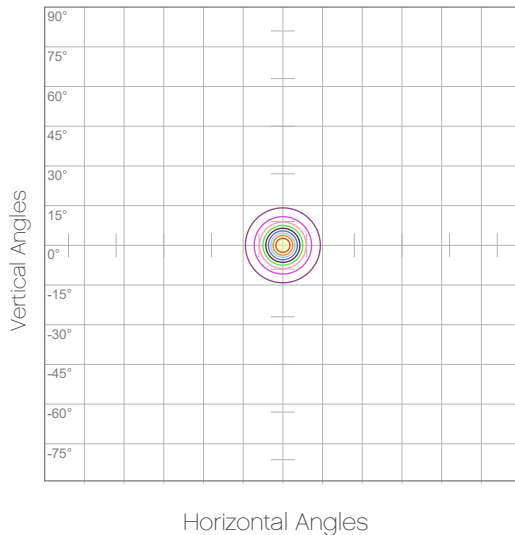
Photometric Report

Iluminarc ML: Standard Optics, Full Power

Candela Plot



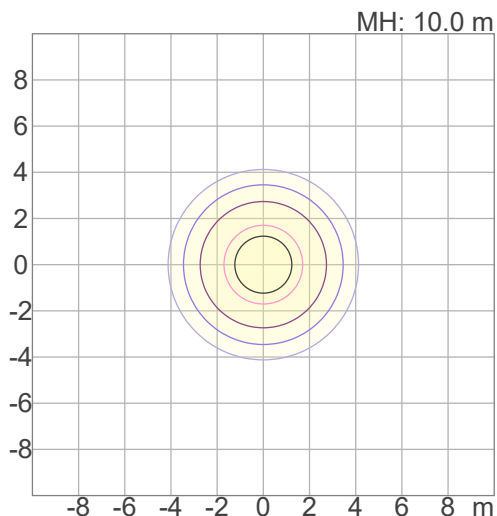
Polar Diagrams



iso-candela Diagram

10%	1602 cd
20%	3205 cd
30%	4807 cd
40%	6410 cd
50%	8012 cd
60%	9615 cd
70%	11217 cd
80%	12820 cd
90%	14422 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 16025 cd



iso-illuminance Diagram

3%	4.81 lx
5%	8.01 lx
10%	16.0 lx
30%	48.1 lx
50%	80.1 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 160 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumiline ML: Accessory Optics - Medium Filter, Full Power

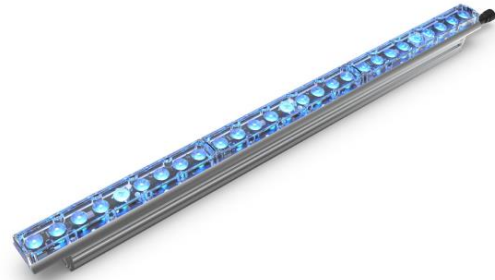
Report Summary

Output

Total Lumens: 1841 lm
Peak Intensity: 5078 cd
Illuminance @ 5m: 203 lux
Fixture Efficacy: 32 lm/W

Optical

Horizontal Beam Angle (50%): 24.5°
Vertical Beam Angle (50%): 23.9°
Horizontal Field Angle (10%): 52.8°
Vertical Field Angle (10%): 52°
Horizontal Cutoff Angle (3%): 95.1°
Vertical Cutoff Angle (3%): 88.7°



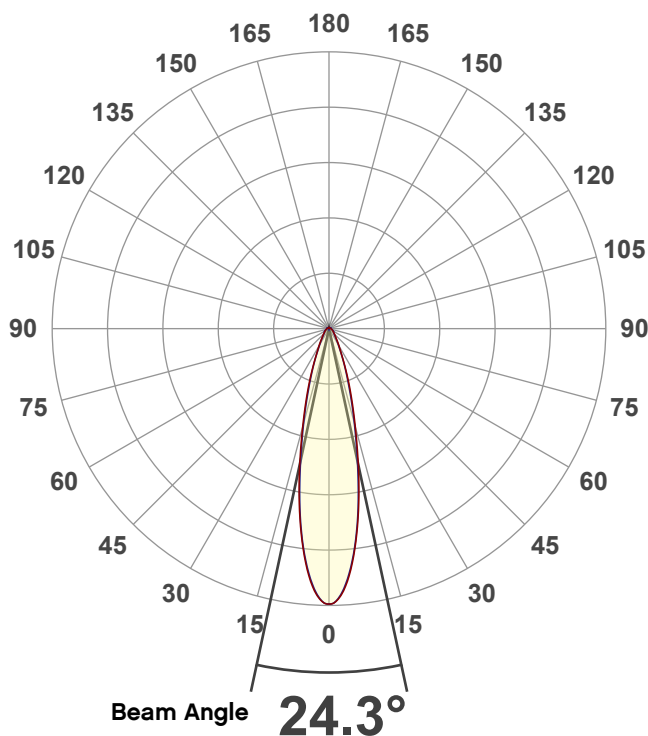
Conditions

AC Supply: 120 V, 60 Hz
Power: 59.13 W
Current: 0.494 A
Power Factor: 0.97

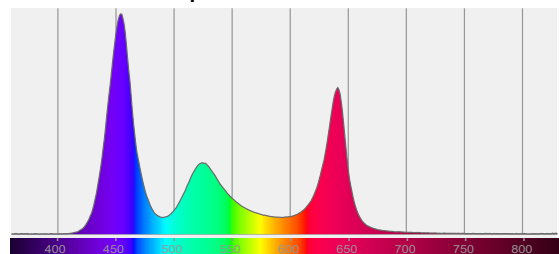
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/6/2021 to LM-63-2002 Standards.

Overall Measurement

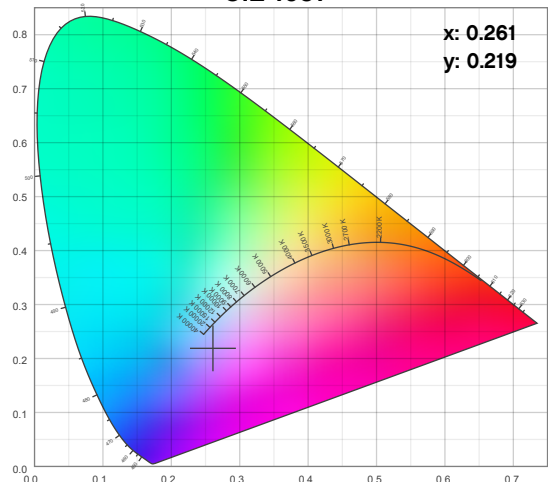
Angular Beam Distribution



Spectral Distribution



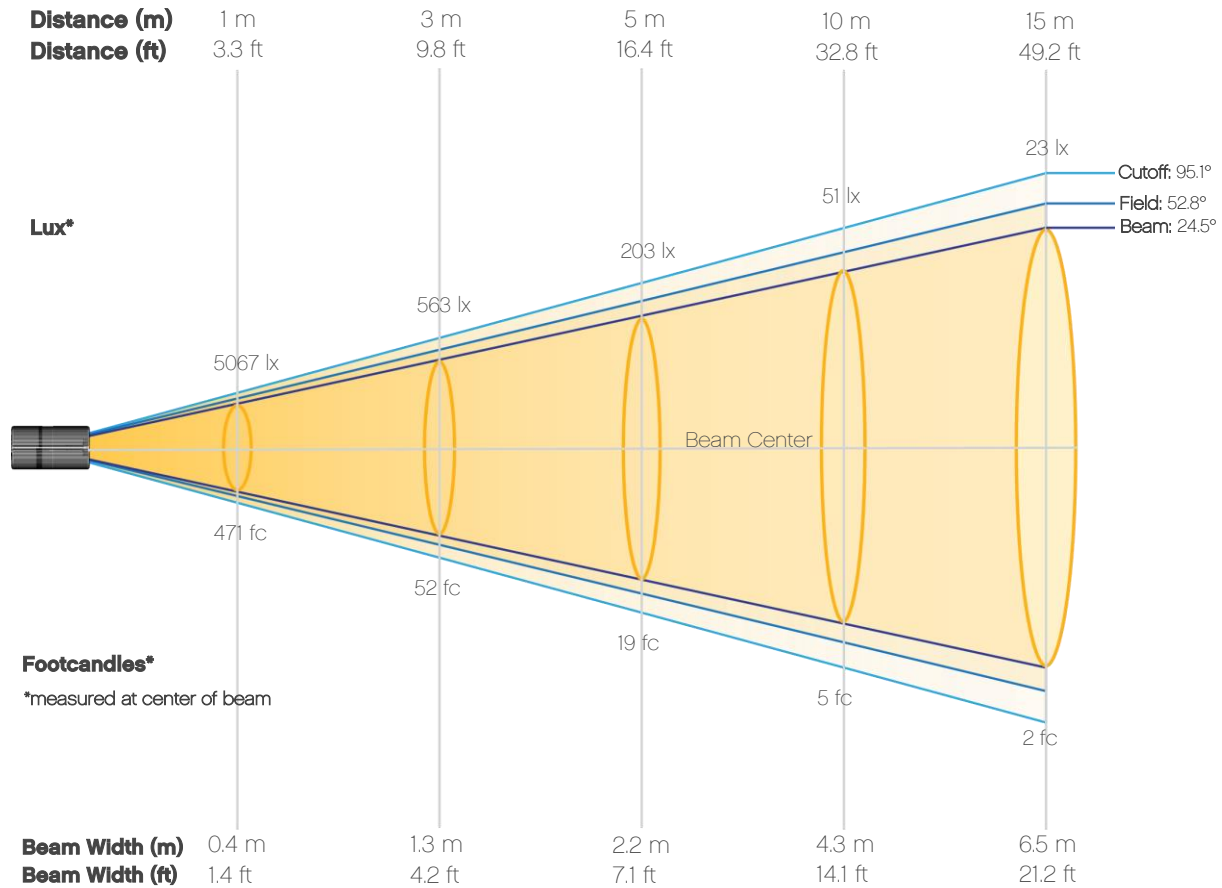
CIE 1931



Photometric Report

Ilumiline ML: Accessory Optics - Medium Filter, Full Power

Beam Details



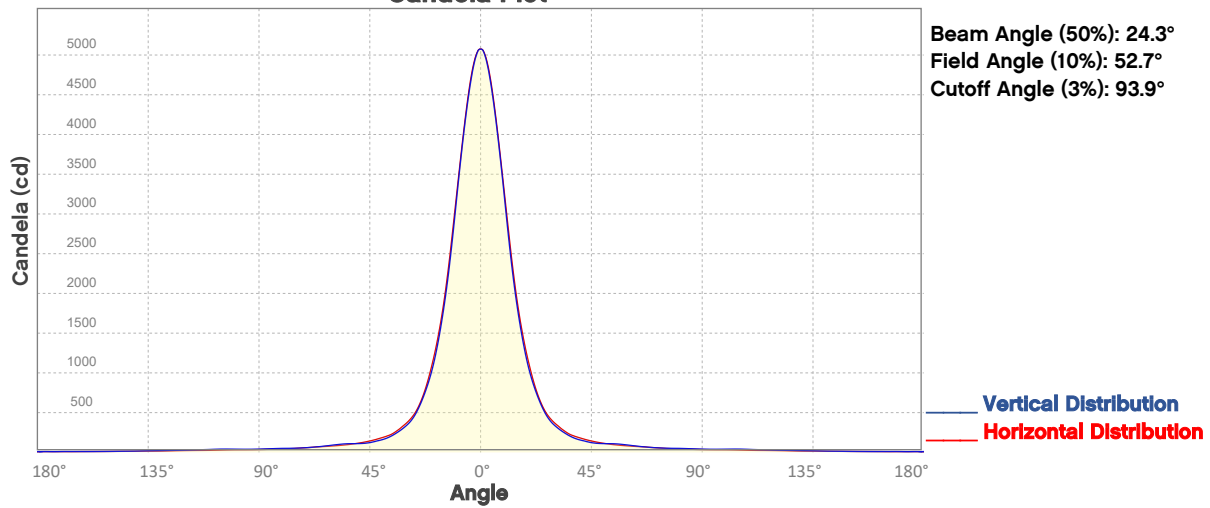
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	5067	1267	563	317	203	141	103	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	471	118	52	29	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

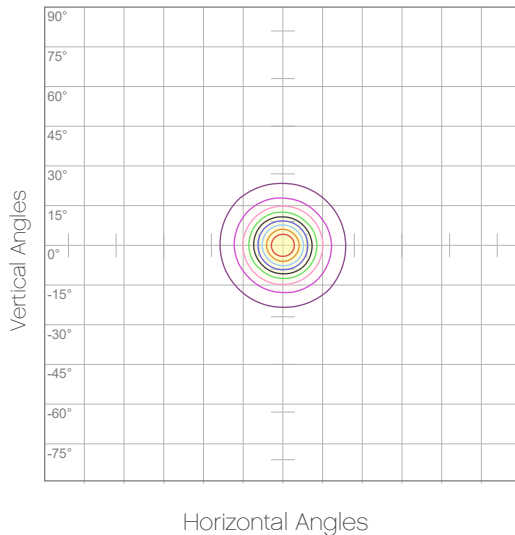
Photometric Report

Ilumiline ML: Accessory Optics - Medium Filter, Full Power

Candela Plot



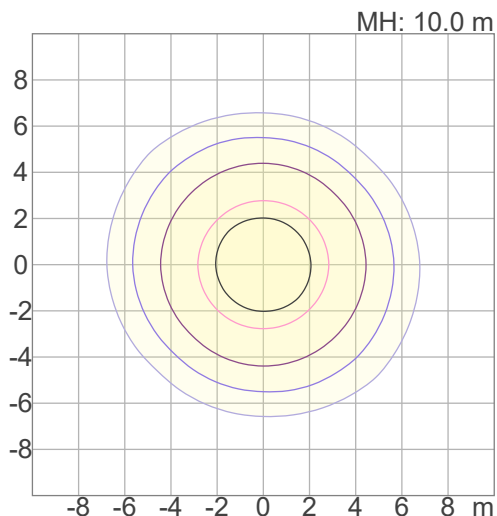
Polar Diagrams



iso-candela Diagram

10%	507 cd
20%	1013 cd
30%	1520 cd
40%	2027 cd
50%	2533 cd
60%	3040 cd
70%	3547 cd
80%	4053 cd
90%	4560 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 5067 cd



iso-illuminance Diagram

3%	1.52 lx
5%	2.53 lx
10%	5.07 lx
30%	15.2 lx
50%	25.3 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 50.7 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumiline ML: Accessory Optics - Wide Filter, Full Power

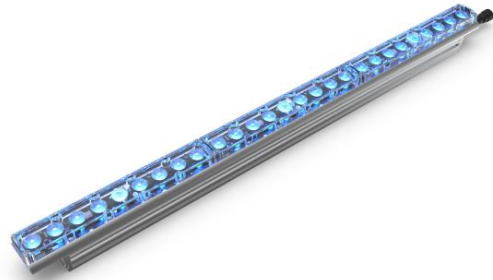
Report Summary

Output

Total Lumens: 1613 lm
Peak Intensity: 1943 cd
Illuminance @ 5m: 78 lux
Fixture Efficacy: 28 lm/W

Optical

Horizontal Beam Angle (50%): 36.8°
Vertical Beam Angle (50%): 35.5°
Horizontal Field Angle (10%): 87.7°
Vertical Field Angle (10%): 113.8°
Horizontal Cutoff Angle (3%): 158.4°
Vertical Cutoff Angle (3%): 167°

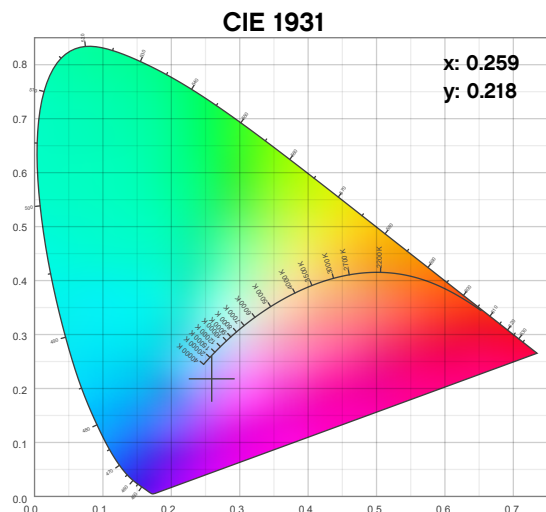
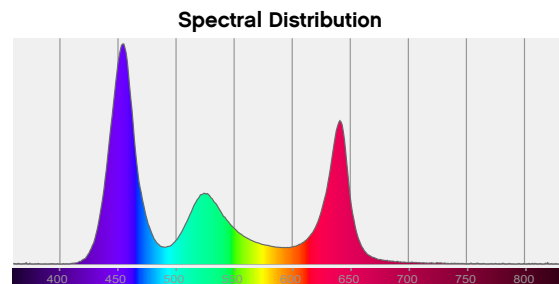
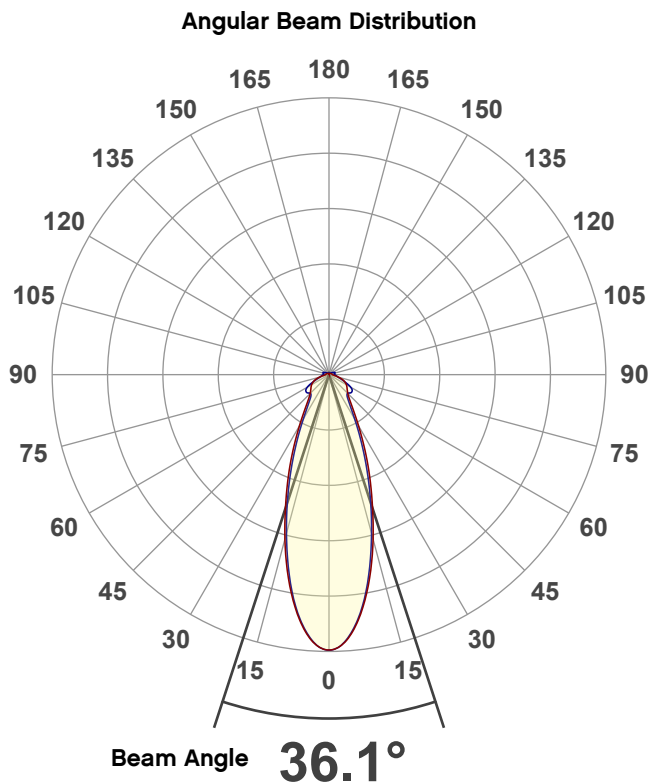


Conditions

AC Supply: 120 V, 60 Hz
Power: 59.18 W
Current: 0.495 A
Power Factor: 0.97

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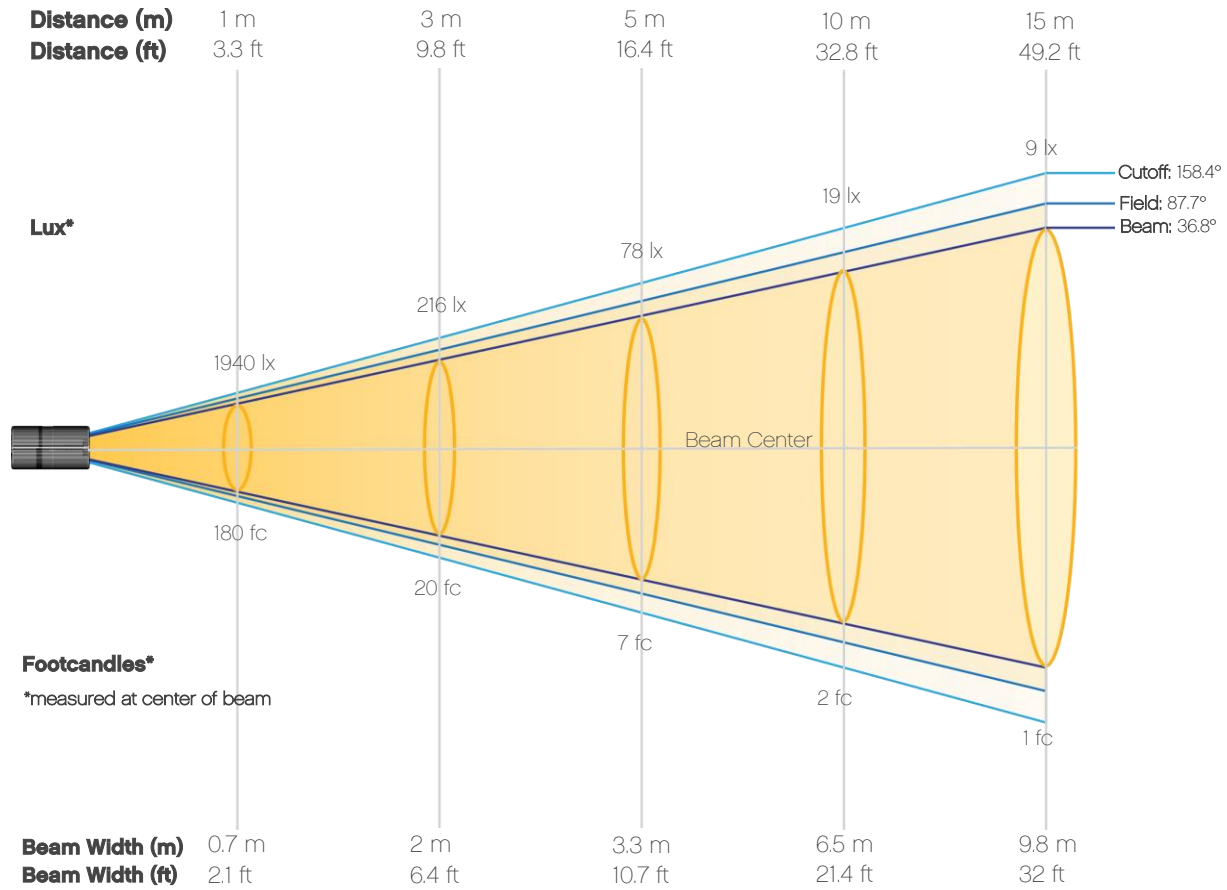
Overall Measurement



Photometric Report

Ilumiline ML: Accessory Optics - Wide Filter, Full Power

Beam Details



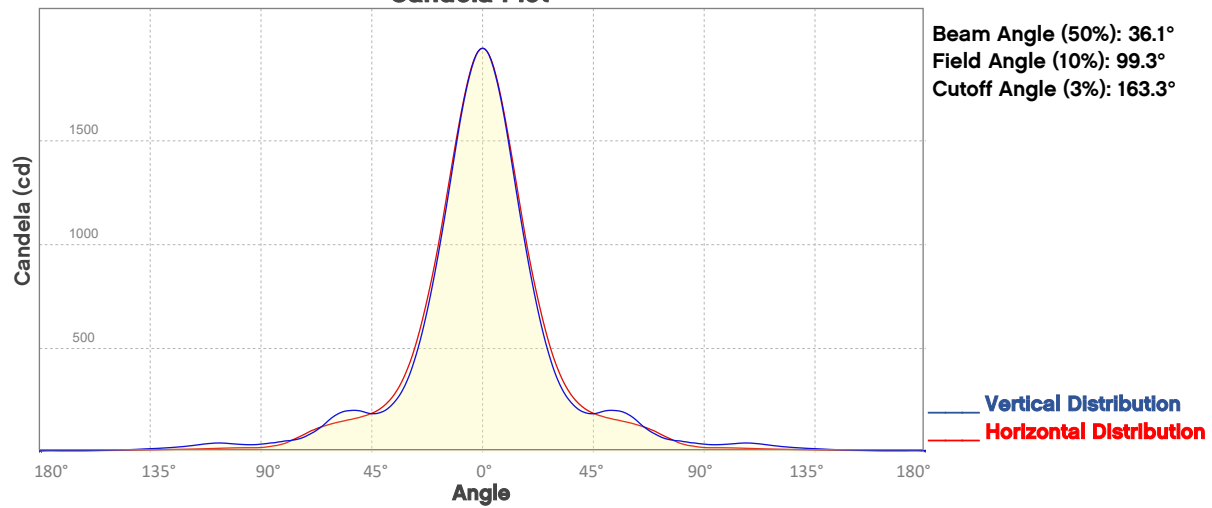
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1940	485	216	121	78	54	40	30	24	19
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	16	13	11	10	9	8	7	6	5	5
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	180	45	20	11	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	1	1	1	1	1	1	1	1	0	0

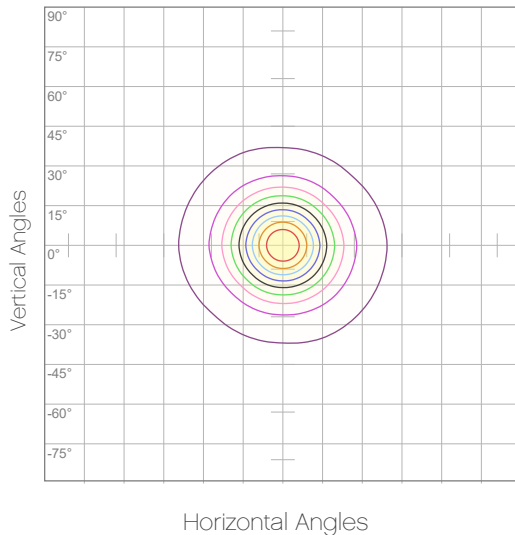
Photometric Report

Ilumine ML: Accessory Optics - Wide Filter, Full Power

Candela Plot



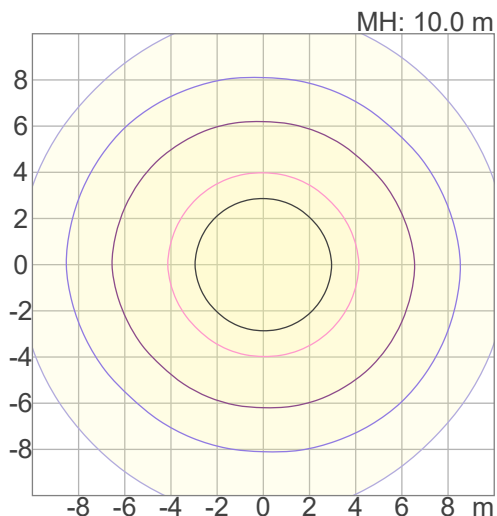
Polar Diagrams



iso-candela Diagram

10%	194 cd
20%	388 cd
30%	582 cd
40%	776 cd
50%	970 cd
60%	1164 cd
70%	1358 cd
80%	1552 cd
90%	1746 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 1940 cd



iso-illuminance Diagram

3%	0.582 lx
5%	0.970 lx
10%	1.94 lx
30%	5.82 lx
50%	9.70 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 19.4 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumiline ML: Accessory Optics - Very Wide Filter, Full Power

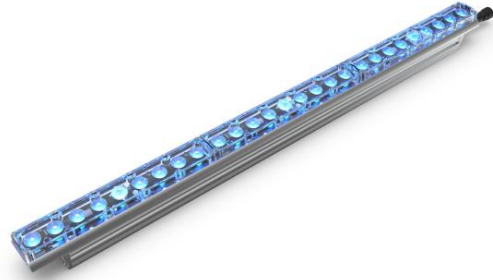
Report Summary

Output

Total Lumens: 1554 lm
Peak Intensity: 1457 cd
Illuminance @ 5m: 58 lux
Fixture Efficacy: 27 lm/W

Optical

Horizontal Beam Angle (50%): 40.3°
Vertical Beam Angle (50%): 38.1°
Horizontal Field Angle (10%): 131.5°
Vertical Field Angle (10%): 130.2°
Horizontal Cutoff Angle (3%): 163.7°
Vertical Cutoff Angle (3%): 231.8°

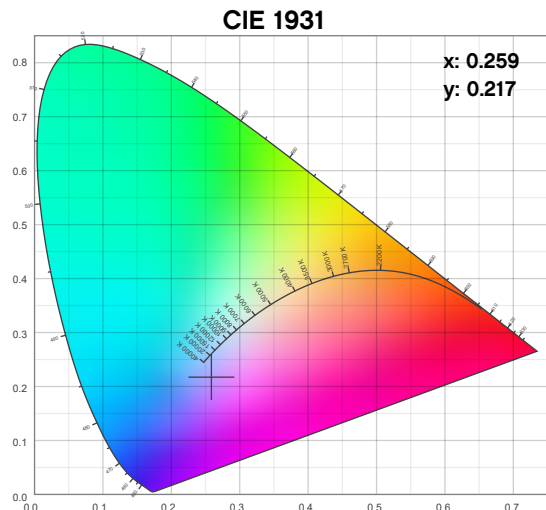
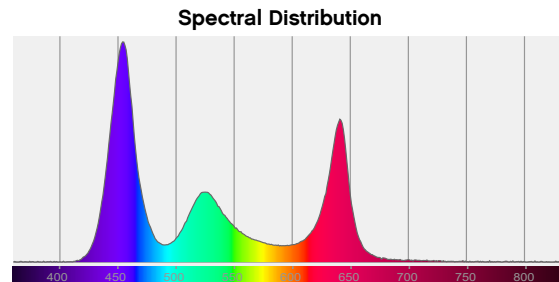
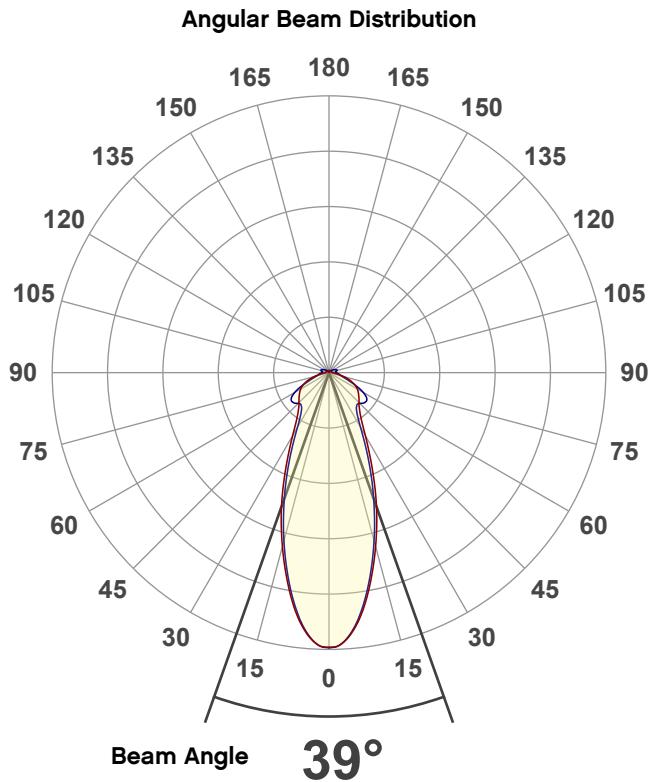


Conditions

AC Supply: 120 V, 60 Hz
Power: 59.15 W
Current: 0.494 A
Power Factor: 0.97

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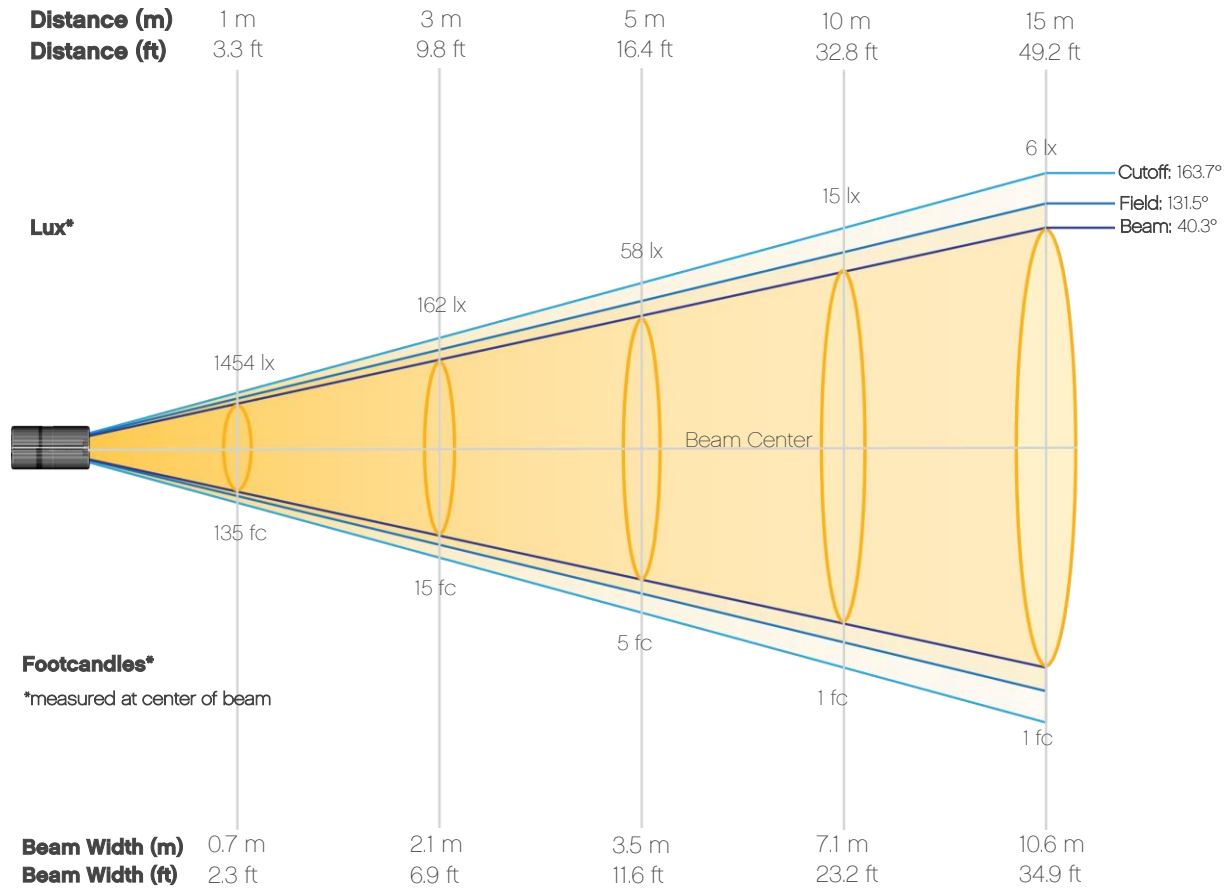
Overall Measurement



Photometric Report

Ilumiline ML: Accessory Optics - Very Wide Filter, Full Power

Beam Details



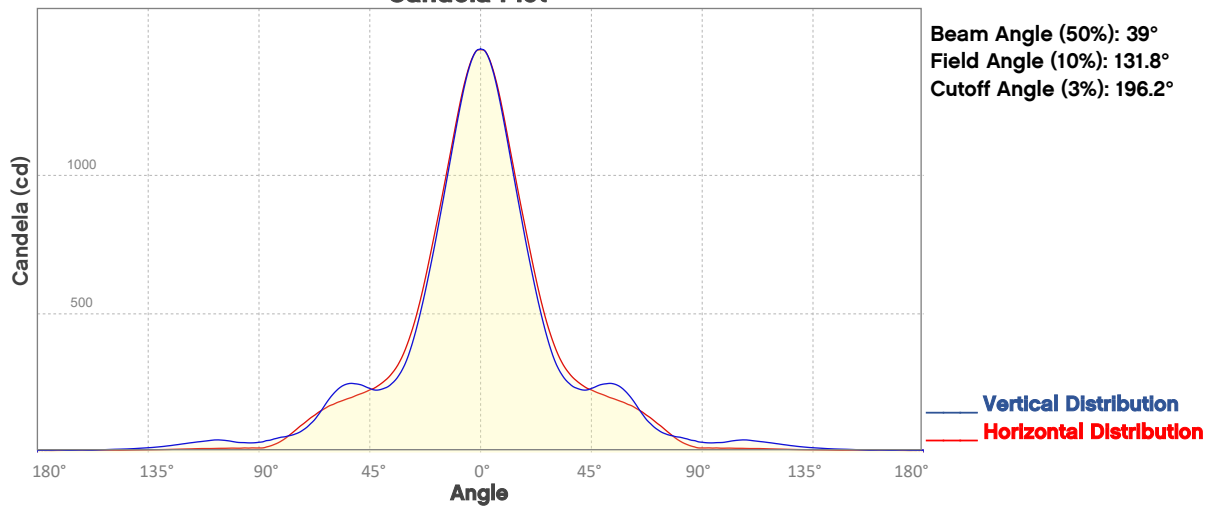
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1454	364	162	91	58	40	30	23	18	15
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	12	10	9	7	6	6	5	4	4	4
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	135	34	15	8	5	4	3	2	2	1
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	1	1	1	1	0	0	0	0

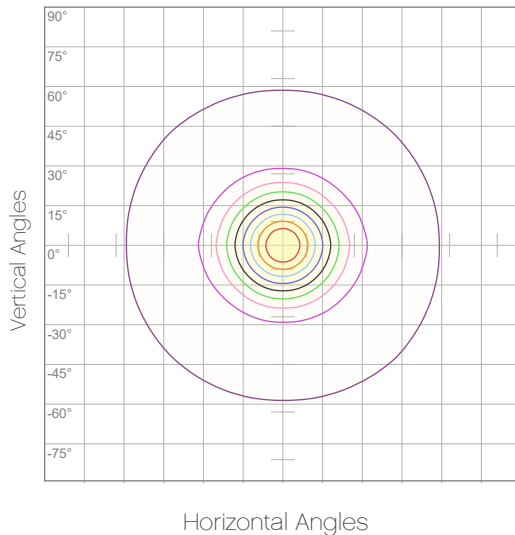
Photometric Report

Ilumiline ML: Accessory Optics - Very Wide Filter, Full Power

Candela Plot



Polar Diagrams

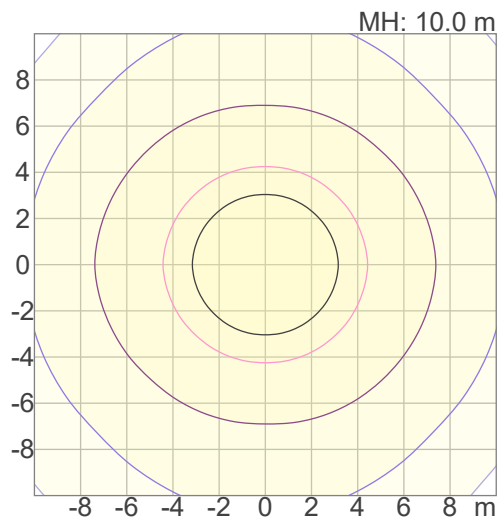


iso-candela Diagram

10%	145 cd
20%	291 cd
30%	436 cd
40%	582 cd
50%	727 cd
60%	873 cd
70%	1018 cd
80%	1164 cd
90%	1309 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 1454 cd

Horizontal Angles



iso-illuminance Diagram

3%	0.436 lx
5%	0.727 lx
10%	1.45 lx
30%	4.36 lx
50%	7.27 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 14.5 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ilumiline ML: Accessory Optics - Asymmetrical Filter, Full Power

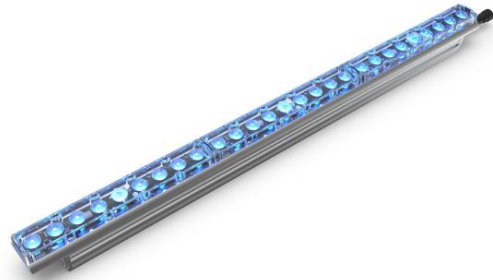
Report Summary

Output

Total Lumens: 1775 lm
Peak Intensity: 3744 cd
Illuminance @ 5m: 150 lux
Fixture Efficacy: 31 lm/W

Optical

Horizontal Beam Angle (50%): 39.1°
Vertical Beam Angle (50%): 19.3°
Horizontal Field Angle (10%): 79.3°
Vertical Field Angle (10%): 46°
Horizontal Cutoff Angle (3%): 160.3°
Vertical Cutoff Angle (3%): 117.3°



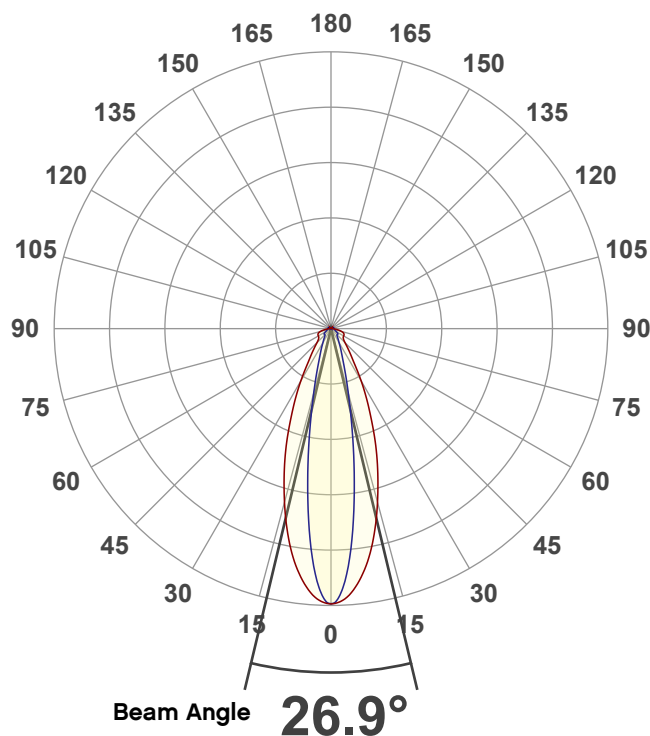
Conditions

AC Supply: 119 V, 60 Hz
Power: 59.96 W
Current: 0.504 A
Power Factor: 0.97

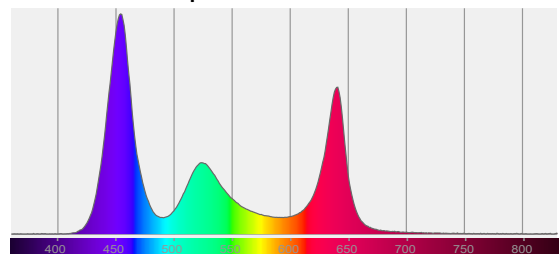
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 10/19/2021 to LM-63-2002 Standards.

Overall Measurement

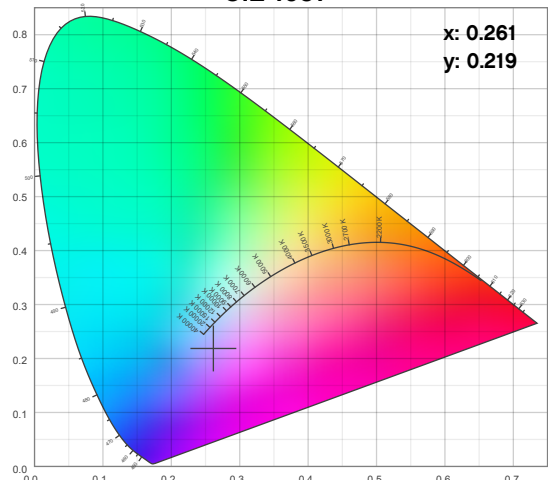
Angular Beam Distribution



Spectral Distribution



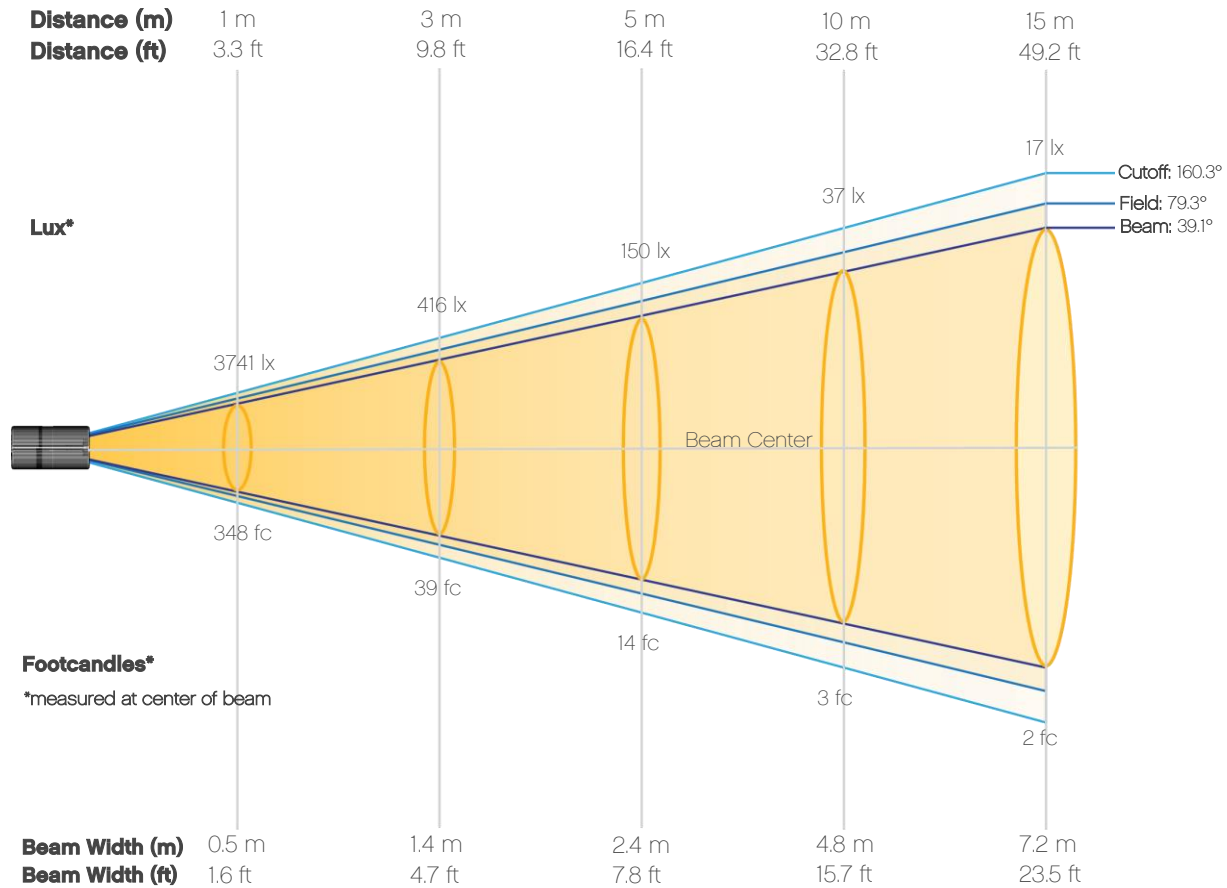
CIE 1931



Photometric Report

Ilumiline ML: Accessory Optics - Asymmetrical Filter, Full Power

Beam Details



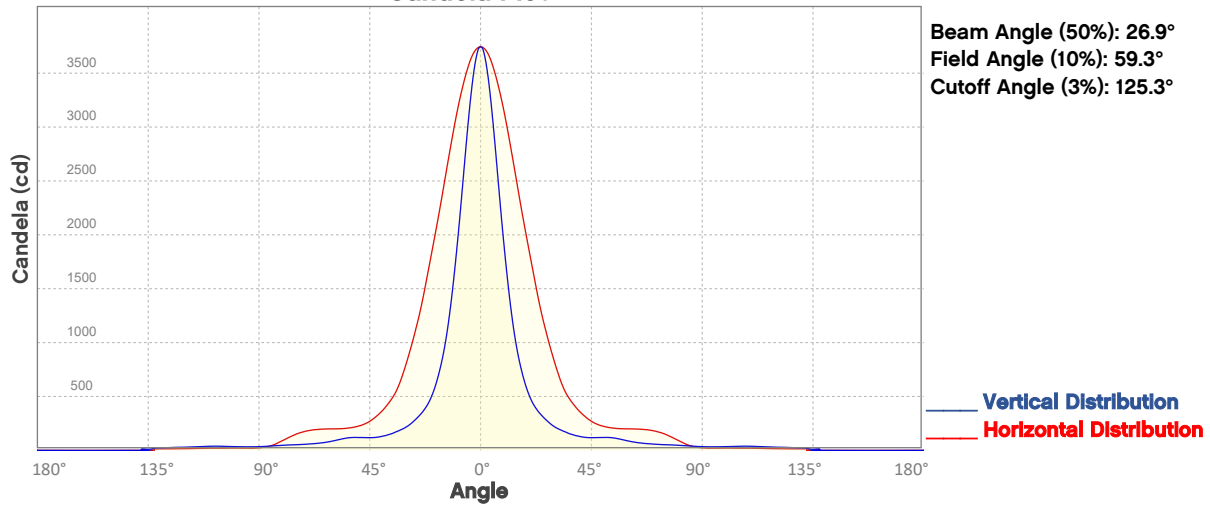
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3741	935	416	234	150	104	76	58	46	37
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	31	26	22	19	17	15	13	12	10	9
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	348	87	39	22	14	10	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	2	1	1	1	1	1

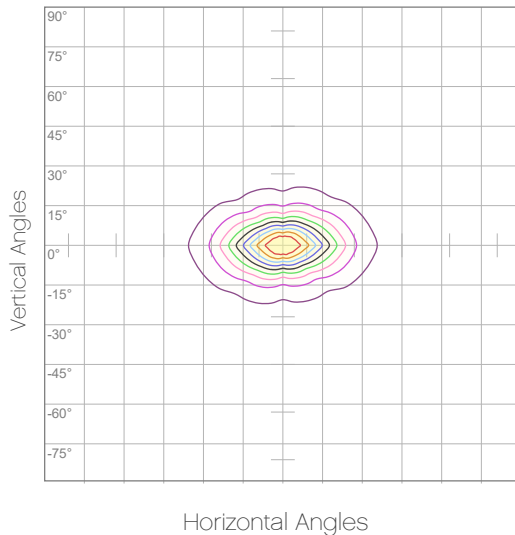
Photometric Report

Ilumiline ML: Accessory Optics - Asymmetrical Filter, Full Power

Candela Plot



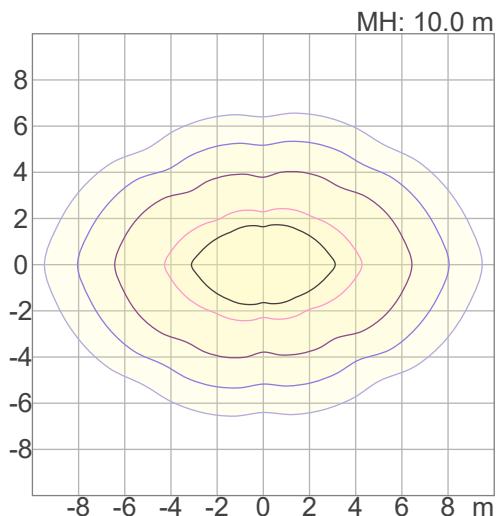
Polar Diagrams



iso-candela Diagram

10%	374 cd
20%	748 cd
30%	1122 cd
40%	1496 cd
50%	1871 cd
60%	2245 cd
70%	2619 cd
80%	2993 cd
90%	3367 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 3741 cd



iso-illuminance Diagram

3%	1.12 lx
5%	1.87 lx
10%	3.74 lx
30%	11.2 lx
50%	18.7 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 37.4 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.