

PHOTOMETRICS REPORT
OVATION
ED-200WW



CHAUVET
PROFESSIONAL

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Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Ovation ED-200WW: 50deg Lens, Full Power

Report Summary

Output

Total Lumens: 6265 lm
Peak Intensity: 13749 cd
Illuminance @ 5m: 550 lux
Fixture Efficacy: 50 lm/W

Optical

Horizontal Beam Angle (50%): 44.4°
Vertical Beam Angle (50%): 44.4°
Horizontal Field Angle (10%): 54.3°
Vertical Field Angle (10%): 54.3°
Horizontal Cutoff Angle (3%): 58.2°
Vertical Cutoff Angle (3%): 58.2°

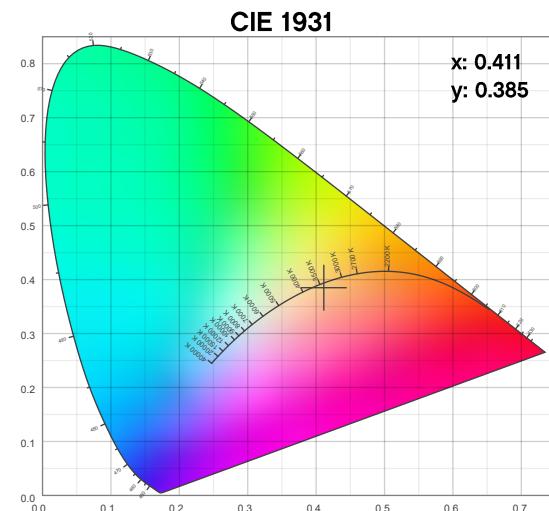
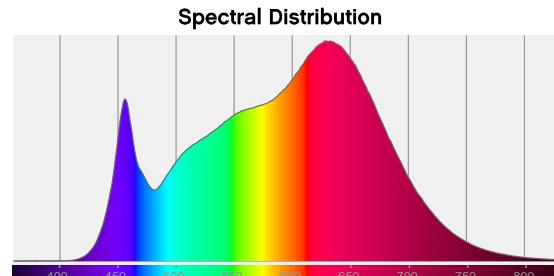
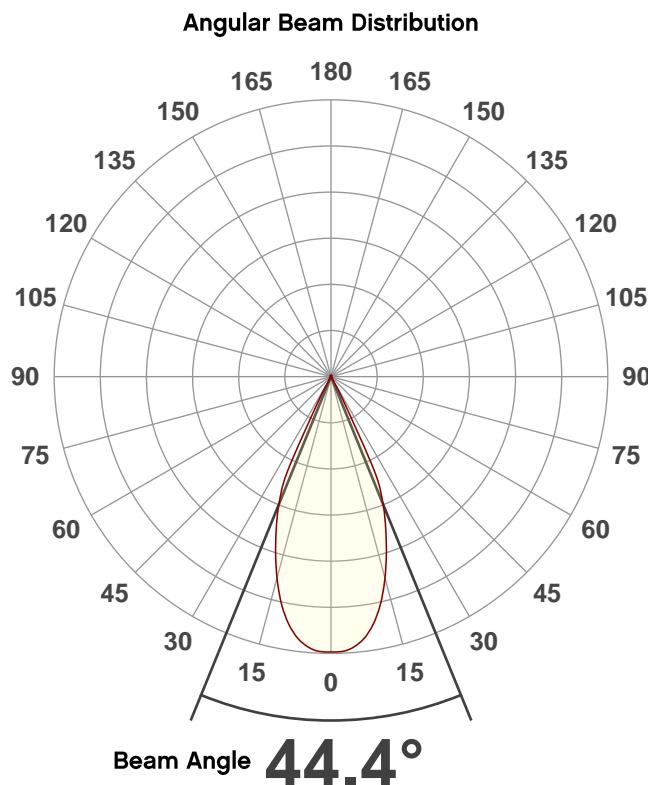


Conditions

AC Supply: 119 V, 60.1 Hz
Power: 124.69 W
Current: 1.05 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/3/2020 to LM-63-2002 Standards.

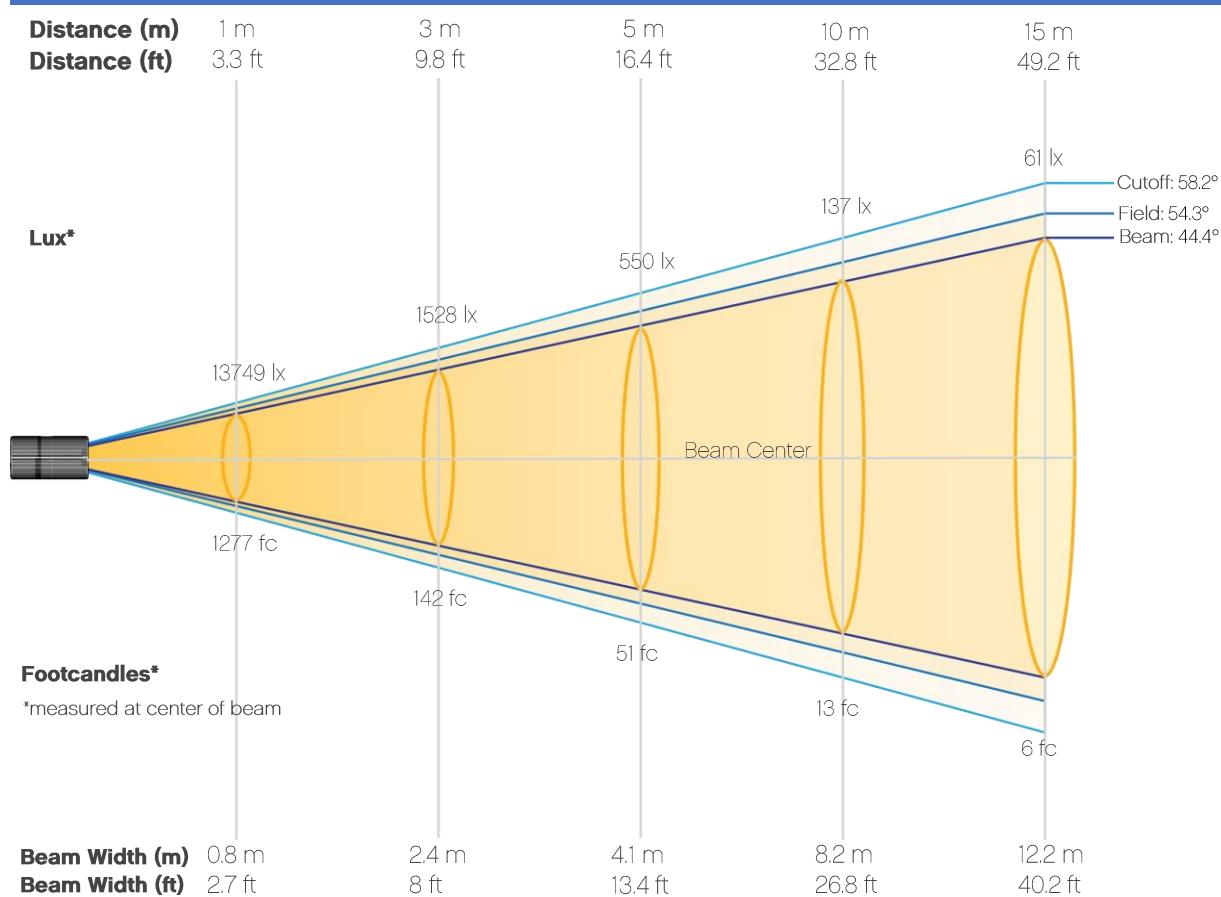
Overall Measurement



Photometric Report

Ovation ED-200WW: 50deg Lens, Full Power

Beam Details

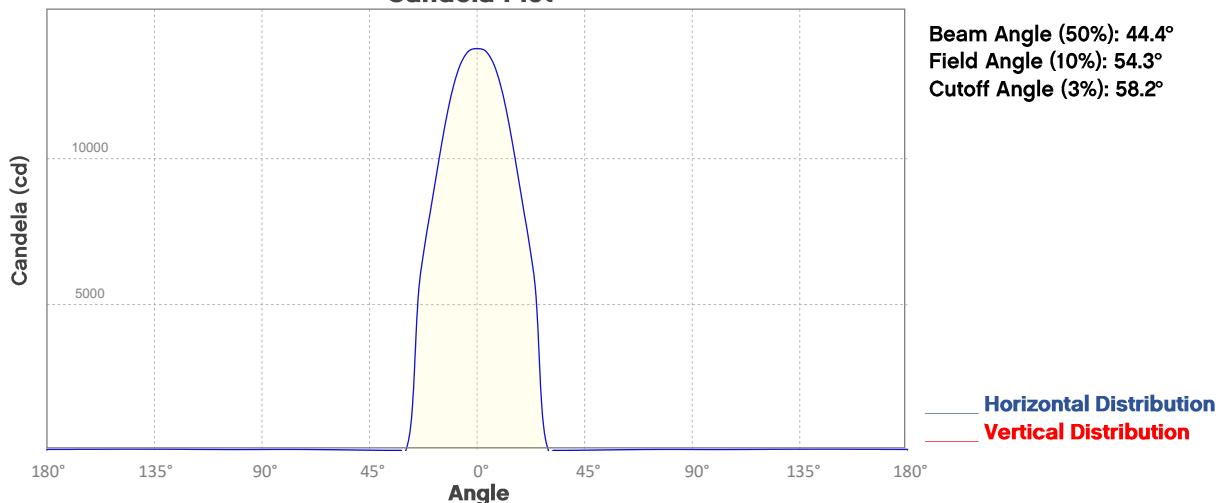


Beam Illuminances from 1-20m (3.3-65.6ft)

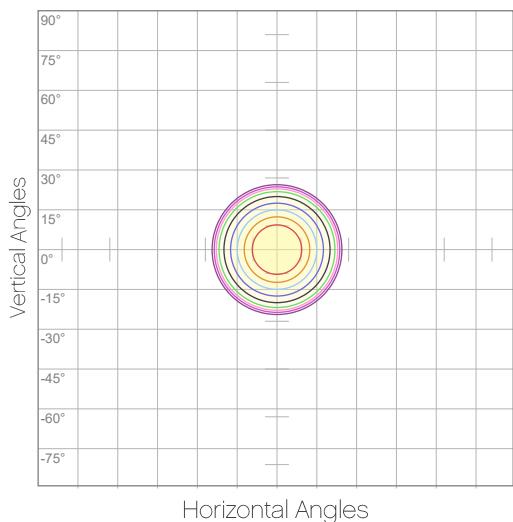
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	13749	3437	1528	859	550	382	281	215	170	137
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	114	95	81	70	61	54	48	42	38	34
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1277	319	142	80	51	35	26	20	16	13
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	11	9	8	7	6	5	4	4	4	3

Photometric Report

Ovation ED-200WW: 50deg Lens, Full Power
Candela Plot



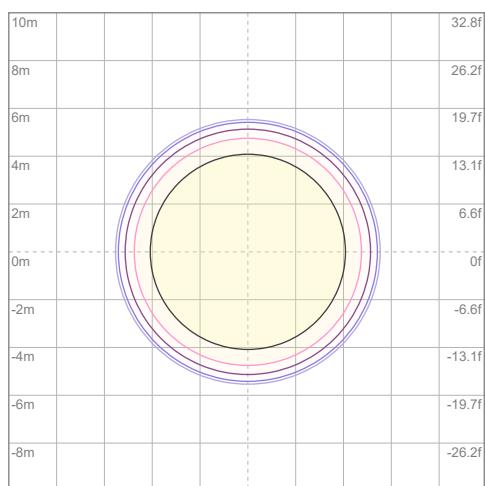
Polar Diagrams



iso-candela Diagram

10%	1375 cd
20%	2750 cd
30%	4125 cd
40%	5500 cd
50%	6875 cd
60%	8249 cd
70%	9624 cd
80%	10999 cd
90%	12374 cd

Conditions:
Number of c-planes: 2
Candela at center: 13749 cd



iso-illuminance Diagram

3%	4.12 lx
5%	6.87 lx
10%	13.7 lx
30%	41.2 lx
50%	68.7 lx

Conditions:
Number of c-planes: 2
Lux at center: 137 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 36deg Lens, Full Power

Report Summary

Output

Total Lumens: 6462 lm
Peak Intensity: 32230 cd
Illuminance @ 5m: 1289 lux
Fixture Efficacy: 52 lm/W



Optical

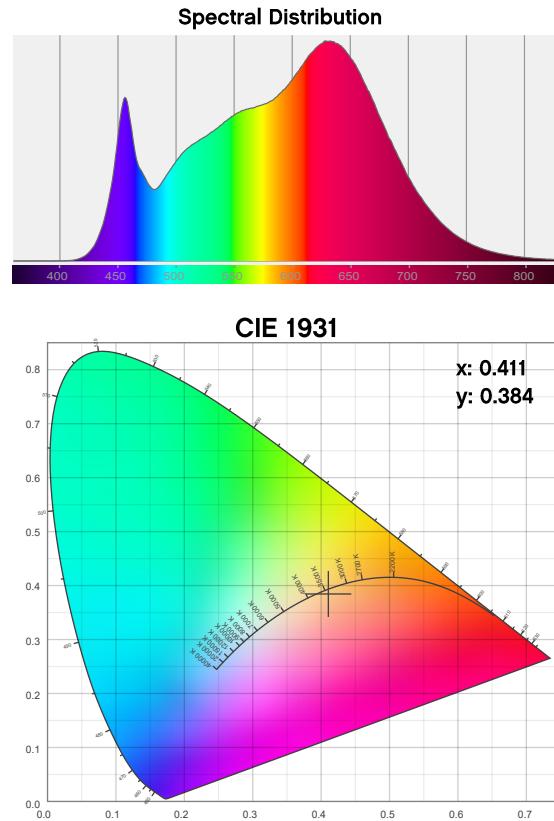
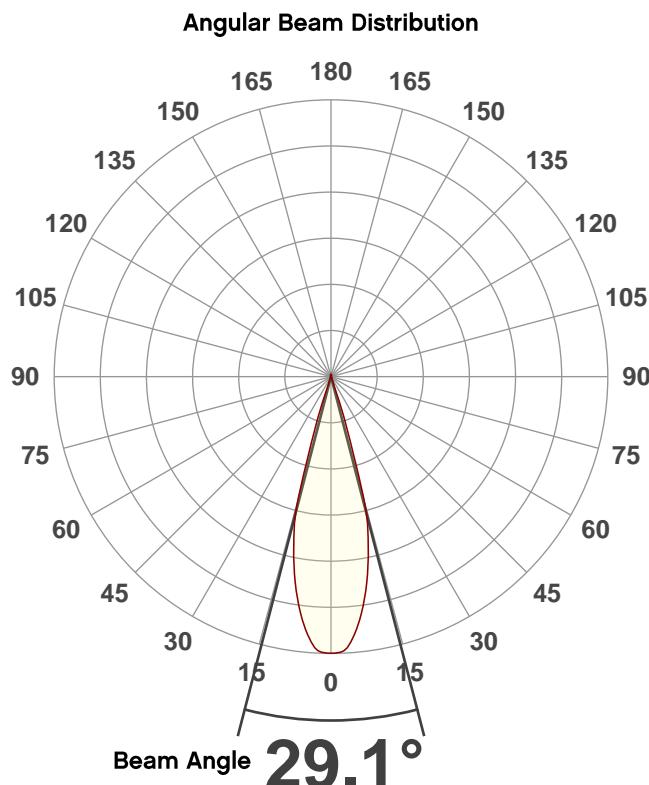
Horizontal Beam Angle (50%): 29.1°
Vertical Beam Angle (50%): 29.1°
Horizontal Field Angle (10%): 37°
Vertical Field Angle (10%): 37°
Horizontal Cutoff Angle (3%): 39.2°
Vertical Cutoff Angle (3%): 39.2°

Conditions

AC Supply: 119 V, 60 Hz
Power: 125.08 W
Current: 1.06 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpiron Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/3/2020 to ILM-63-2002 Standards.

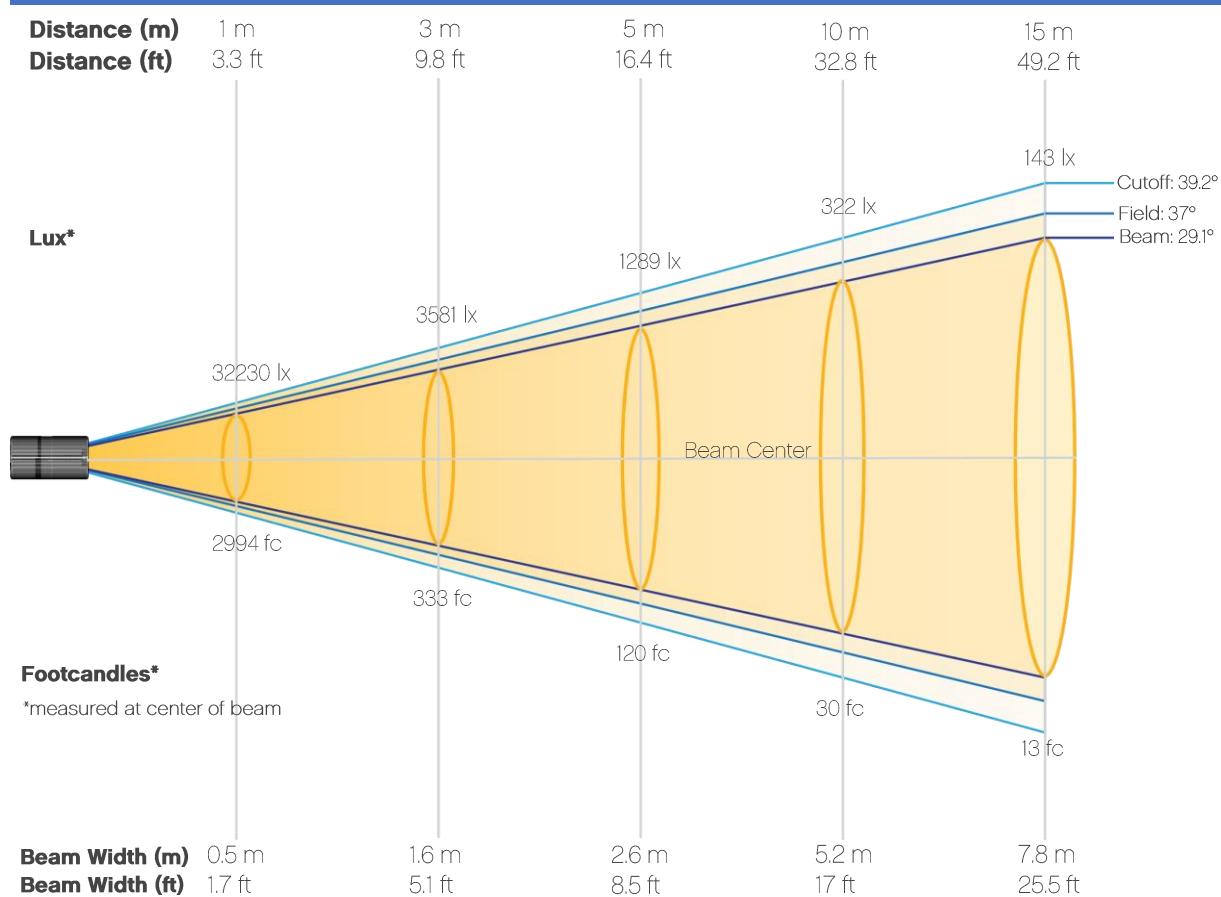
Overall Measurement



Photometric Report

Ovation ED-200WW: 36deg Lens, Full Power

Beam Details

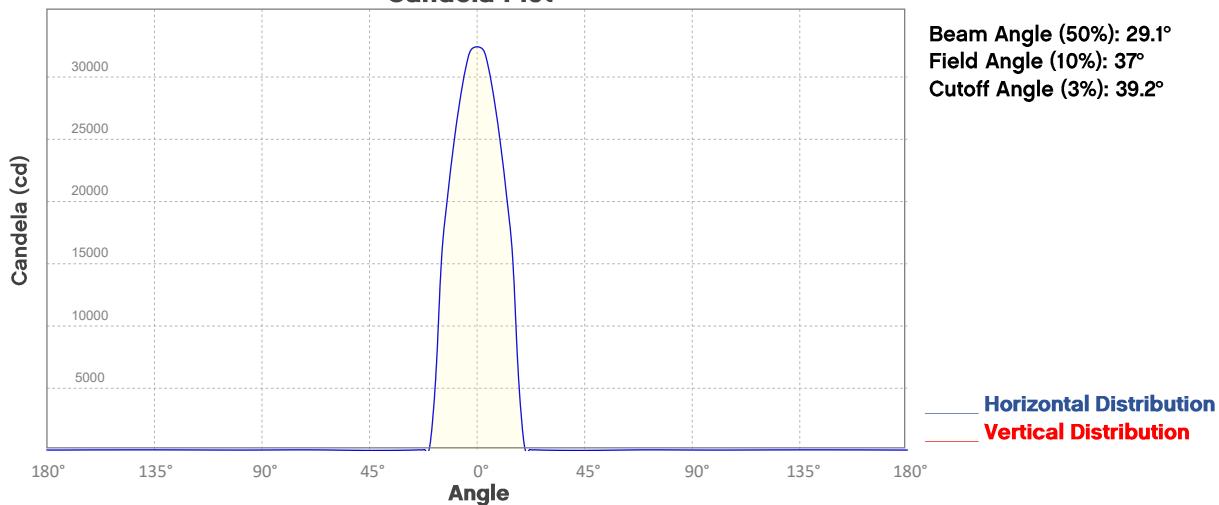


Beam Illuminances from 1-20m (3.3-65.6ft)

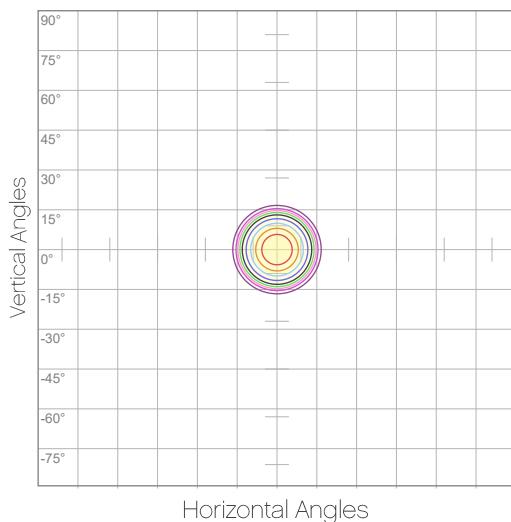
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	32230	8058	3581	2014	1289	895	658	504	398	322
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	266	224	191	164	143	126	112	99	89	81
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2994	749	333	187	120	83	61	47	37	30
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	25	21	18	15	13	12	10	9	8	7

Photometric Report

Ovation ED-200WW: 36deg Lens, Full Power
Candela Plot



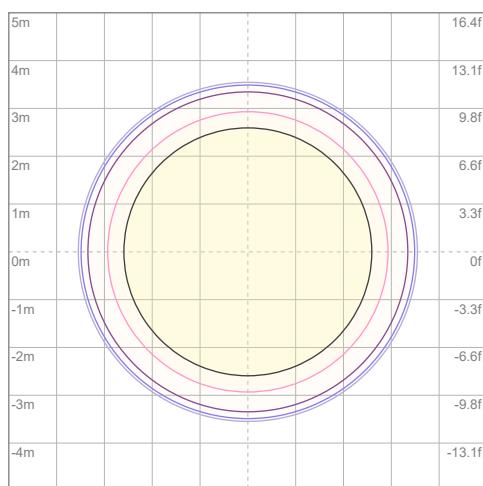
Polar Diagrams



iso-candela Diagram

10%	3223 cd
20%	6446 cd
30%	9669 cd
40%	12892 cd
50%	16115 cd
60%	19338 cd
70%	22561 cd
80%	25784 cd
90%	29007 cd

Conditions:
Number of c-planes: 2
Candela at center: 32230 cd



iso-illuminance Diagram

3%	9.67 lx
5%	16.1 lx
10%	32.2 lx
30%	96.7 lx
50%	161 lx

Conditions:
Number of c-planes: 2
Lux at center: 322 lx

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

Mounting height: 10 meters / 33 feet

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All product specifications, measurements and dimensions are subject to change without notice

Photometric Report

Ovation ED-200WW: 26deg Lens, Full Power

Report Summary

Output

Total Lumens: 12790 lm
Peak Intensity: 108295 cd
Illuminance @ 5m: 4332 lux
Fixture Efficacy: 53 lm/W

Optical

Horizontal Beam Angle (50%): 22°
Vertical Beam Angle (50%): 22°
Horizontal Field Angle (10%): 27.5°
Vertical Field Angle (10%): 27.5°
Horizontal Cutoff Angle (3%): 30°
Vertical Cutoff Angle (3%): 30°

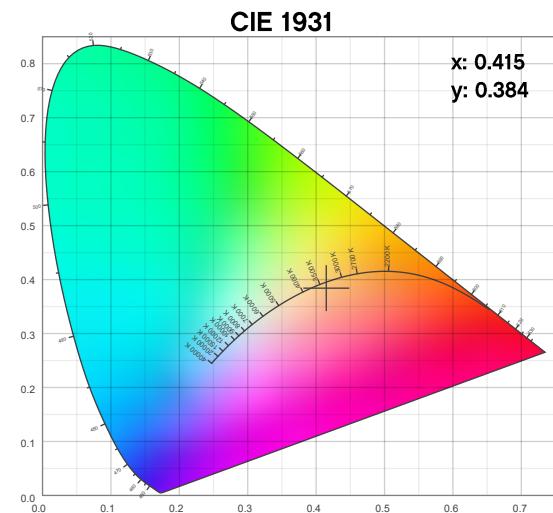
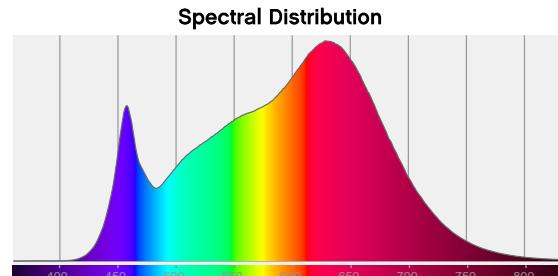
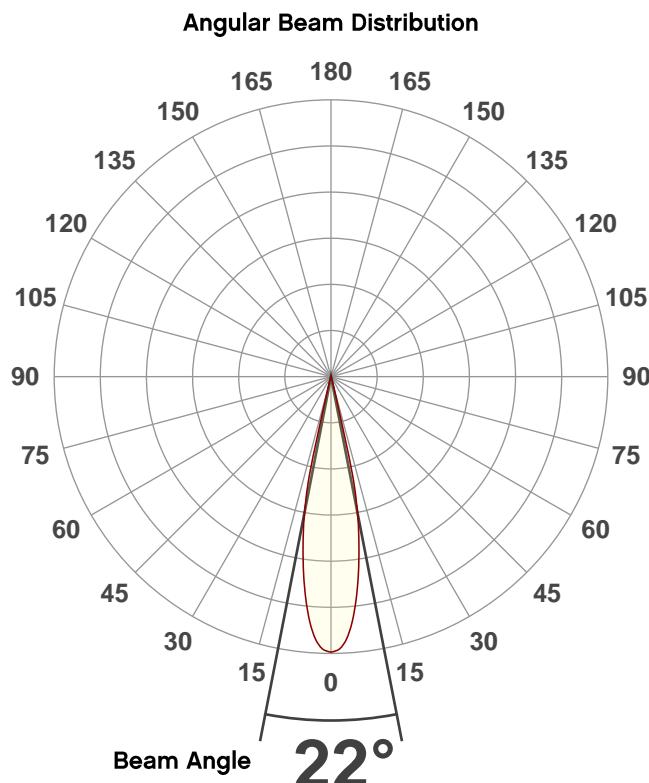


Conditions

AC Supply: 118 V, 60 Hz
Power: 243.43 W
Current: 2.07 A
Power Factor: 1.0

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 2/3/2020 to LM-63-2002 Standards.

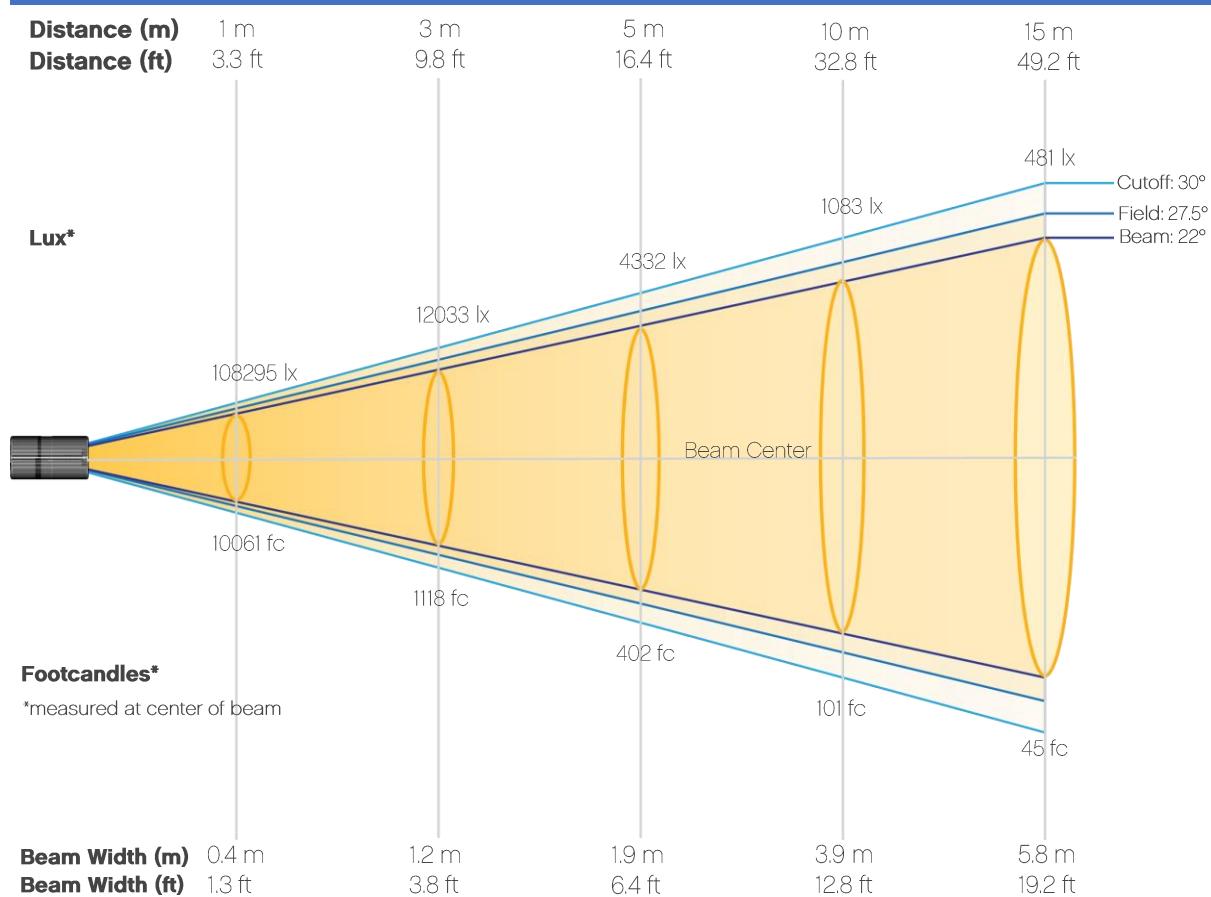
Overall Measurement



Photometric Report

Ovation ED-200WW: 26deg Lens, Full Power

Beam Details

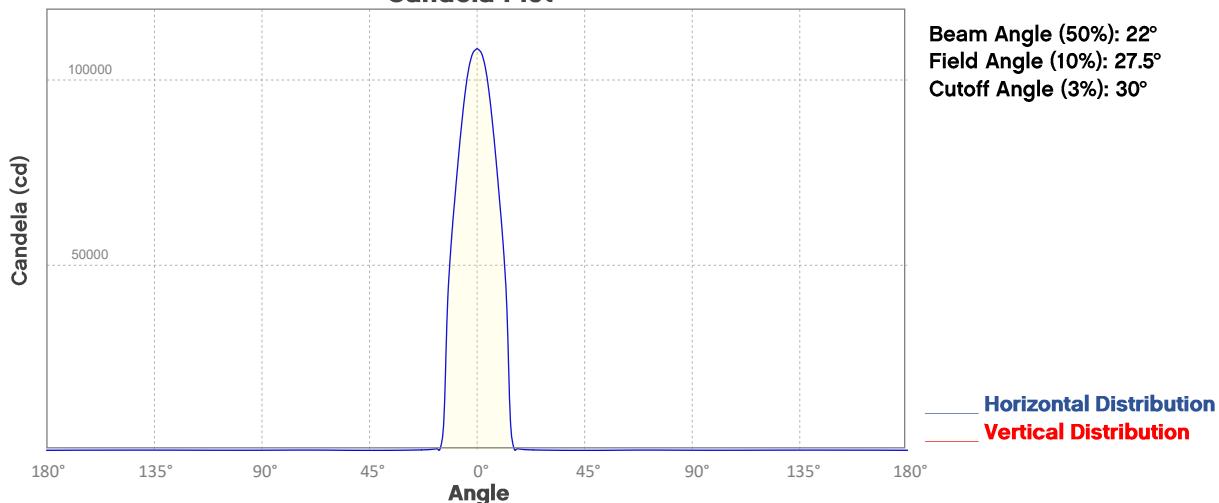


Beam Illuminances from 1-20m (3.3-65.6ft)

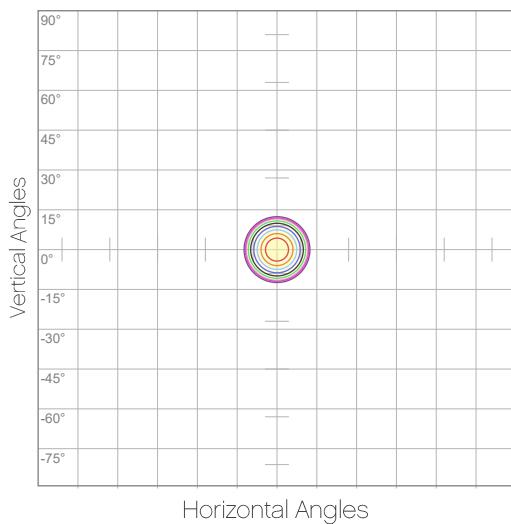
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	108295	27074	12033	6768	4332	3008	2210	1692	1337	1083
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	895	752	641	553	481	423	375	334	300	271
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10061	2515	1118	629	402	279	205	157	124	101
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	83	70	60	51	45	39	35	31	28	25

Photometric Report

Ovation ED-200WW: 26deg Lens, Full Power
Candela Plot



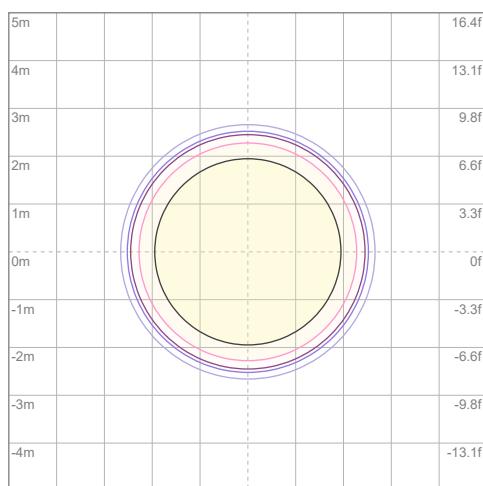
Polar Diagrams



iso-candela Diagram

10%	10829 cd
20%	21659 cd
30%	32488 cd
40%	43318 cd
50%	54147 cd
60%	64977 cd
70%	75806 cd
80%	86636 cd
90%	97465 cd

Conditions:
Number of c-planes: 2
Candela at center: 108295 cd



iso-illuminance Diagram

3%	32.5 lx
5%	54.1 lx
10%	108 lx
30%	325 lx
50%	541 lx

Conditions:
Number of c-planes: 2
Lux at center: 1083 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 19deg Lens, Full Power

Report Summary

Output

Total Lumens: 11184 lm
Peak Intensity: 180478 cd
Illuminance @ 5m: 7219 lux
Fixture Efficacy: 46 lm/W

Optical

Horizontal Beam Angle (50%): 16.5°
Vertical Beam Angle (50%): 16.5°
Horizontal Field Angle (10%): 20°
Vertical Field Angle (10%): 20°
Horizontal Cutoff Angle (3%): 20.8°
Vertical Cutoff Angle (3%): 20.8°

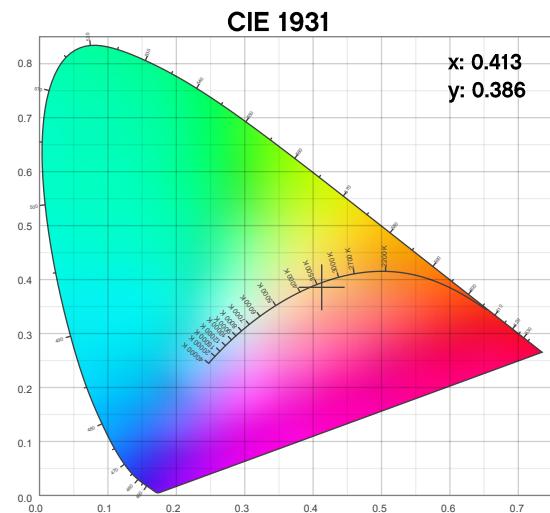
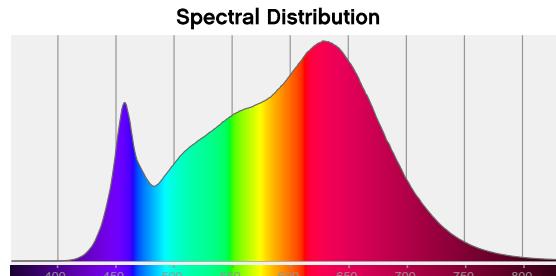
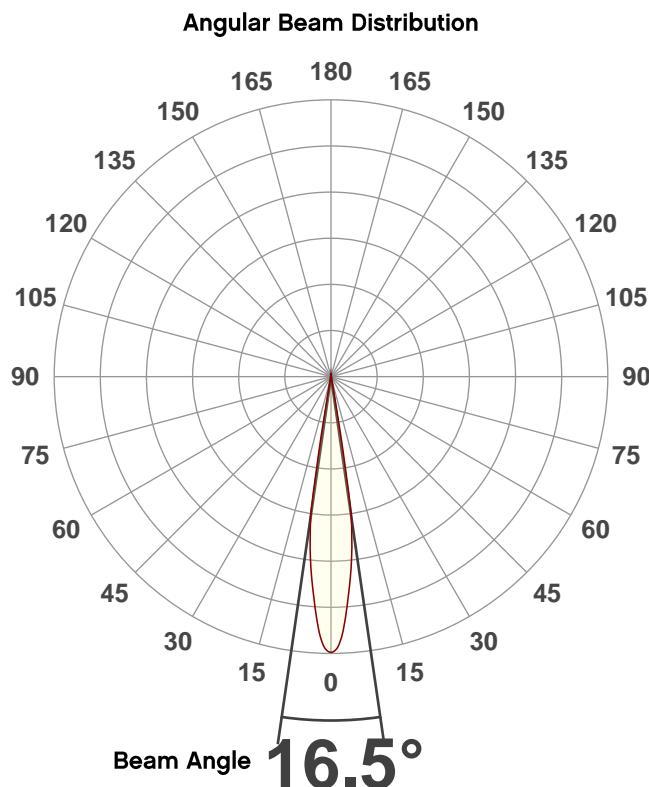


Conditions

AC Supply: 118 V, 60.1 Hz
Power: 242.2 W
Current: 2.05 A
Power Factor: 1.0

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 2/3/2020 to LM-63-2002 Standards.

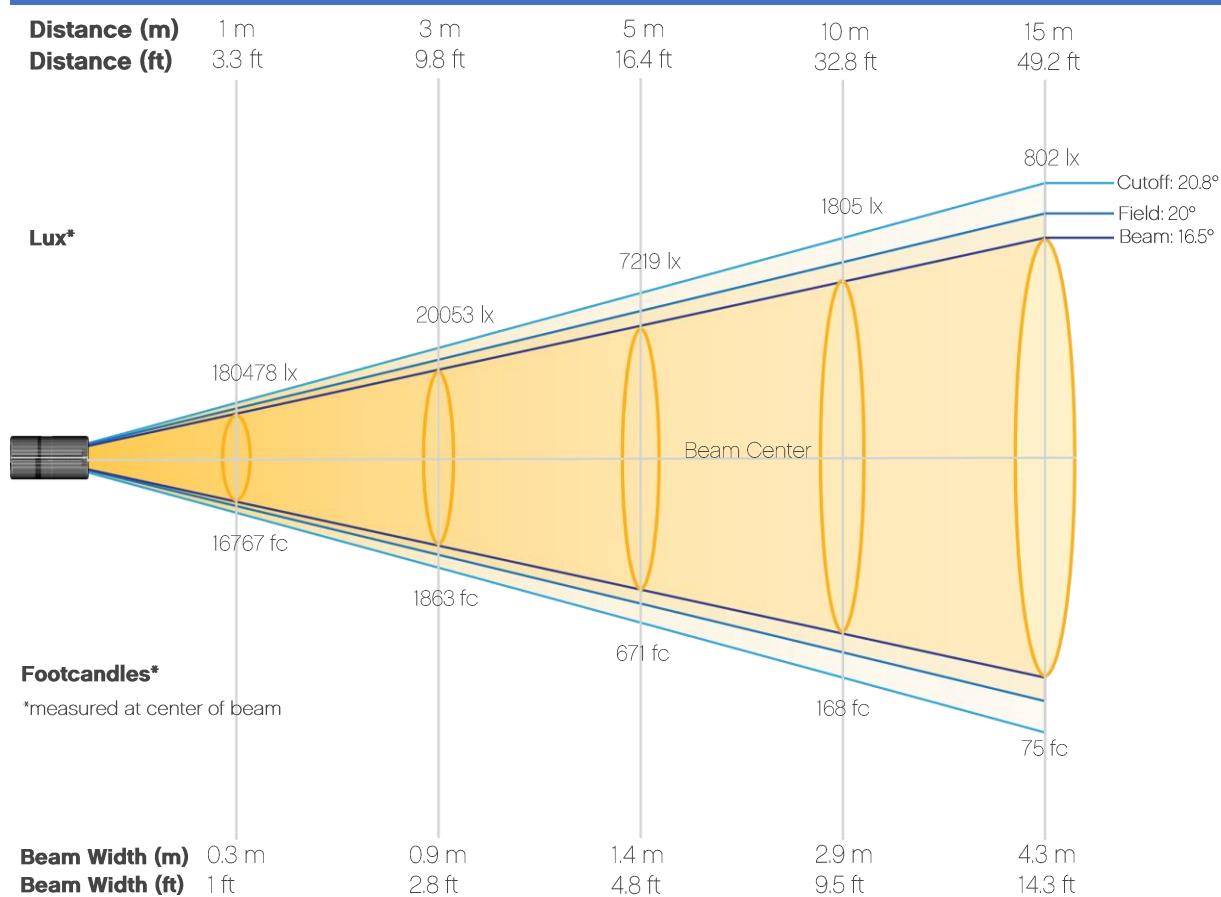
Overall Measurement



Photometric Report

Ovation ED-200WW: 19deg Lens, Full Power

Beam Details

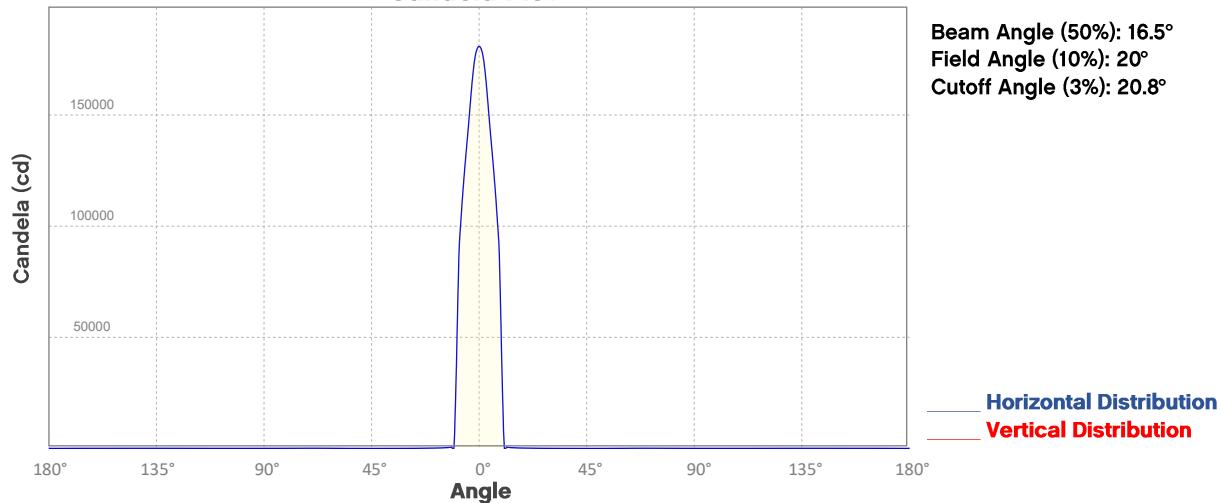


Beam Illuminances from 1-20m (3.3-65.6ft)

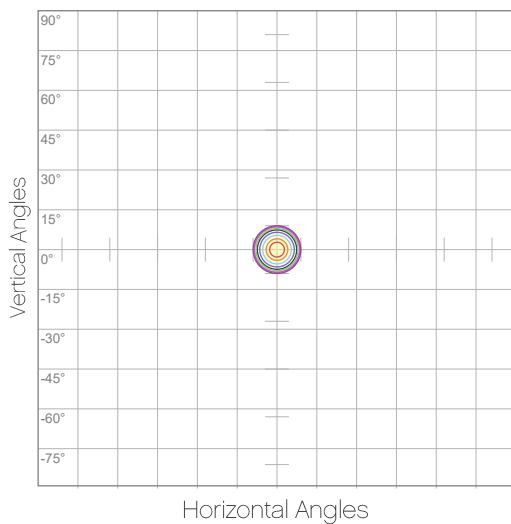
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	180478	45120	20053	11280	7219	5013	3683	2820	2228	1805
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1492	1253	1068	921	802	705	624	557	500	451
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	16767	4192	1863	1048	671	466	342	262	207	168
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	139	116	99	86	75	65	58	52	46	42

Photometric Report

Ovation ED-200WW: 19deg Lens, Full Power
Candela Plot



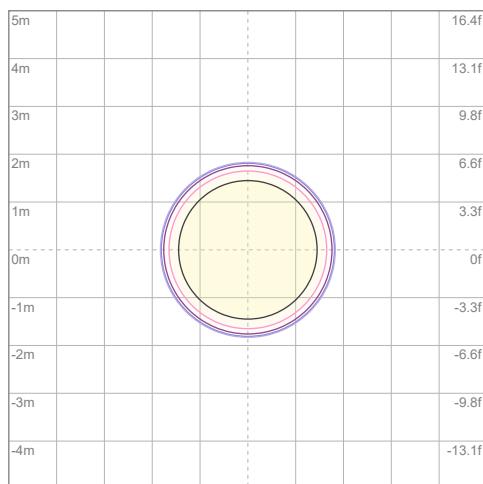
Polar Diagrams



iso-candela Diagram

10%	18048 cd
20%	36096 cd
30%	54144 cd
40%	72191 cd
50%	90239 cd
60%	108287 cd
70%	126335 cd
80%	144383 cd
90%	162431 cd

Conditions:
Number of c-planes: 2
Candela at center: 180478 cd



iso-illuminance Diagram

3%	54.1 lx
5%	90.2 lx
10%	180 lx
30%	541 lx
50%	902 lx

Conditions:
Number of c-planes: 2
Lux at center: 1805 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 14deg Lens, Full Power

Report Summary

Output

Total Lumens: 12304 lm
Peak Intensity: 289601 cd
Illuminance @ 5m: 11584 lux
Fixture Efficacy: 50 lm/W

Optical

Horizontal Beam Angle (50%): 13.5°
Vertical Beam Angle (50%): 13.5°
Horizontal Field Angle (10%): 16.4°
Vertical Field Angle (10%): 16.4°
Horizontal Cutoff Angle (3%): 17.3°
Vertical Cutoff Angle (3%): 17.3°

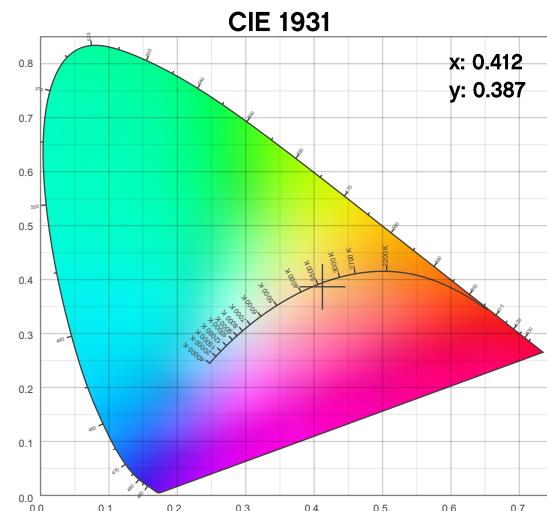
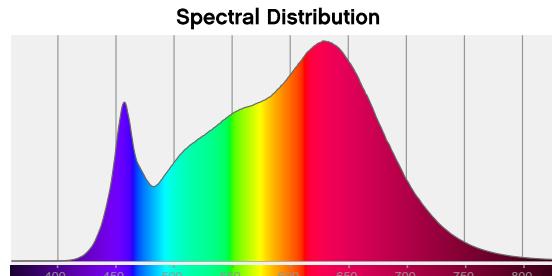
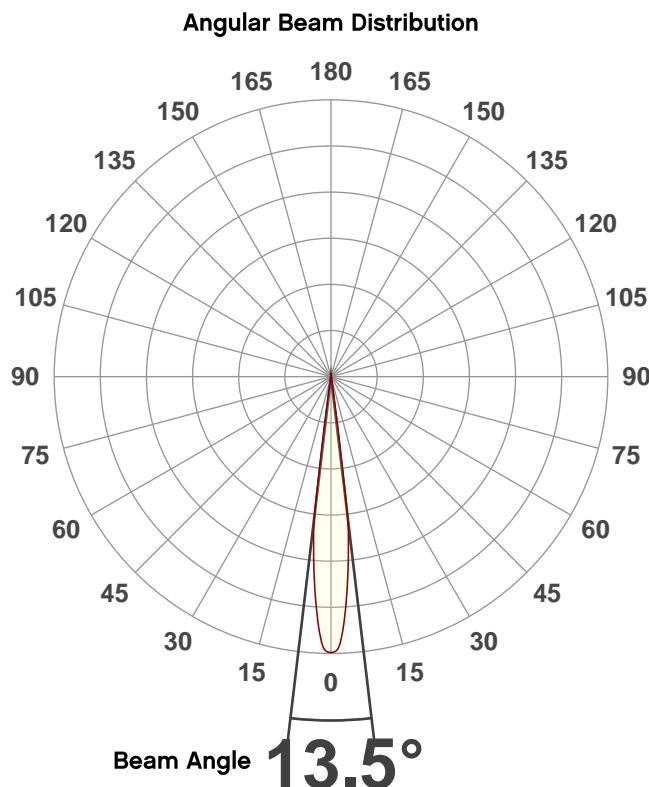


Conditions

AC Supply: 118 V, 60 Hz
Power: 248.69 W
Current: 2.11 A
Power Factor: 1.0

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 2/3/2020 to LM-63-2002 Standards.

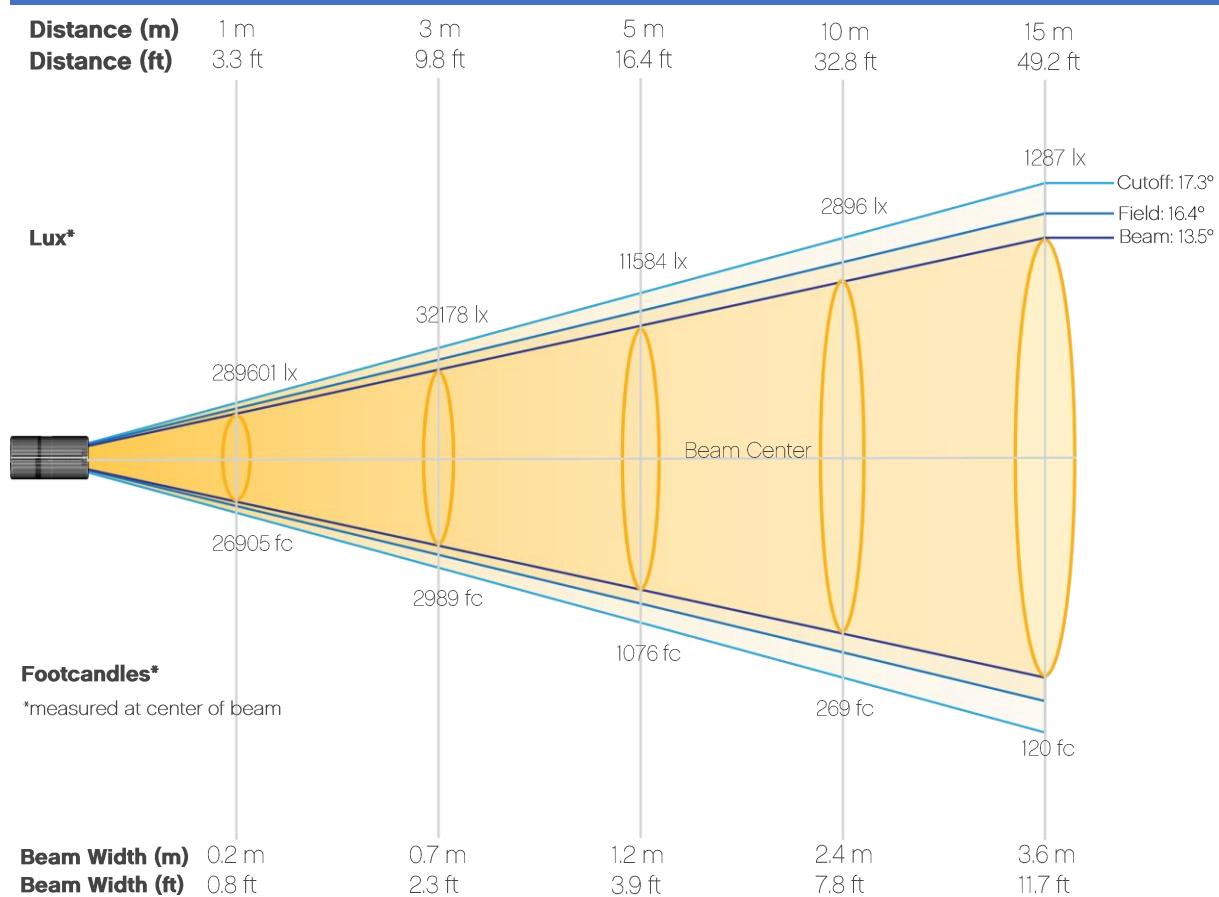
Overall Measurement



Photometric Report

Ovation ED-200WW: 14deg Lens, Full Power

Beam Details

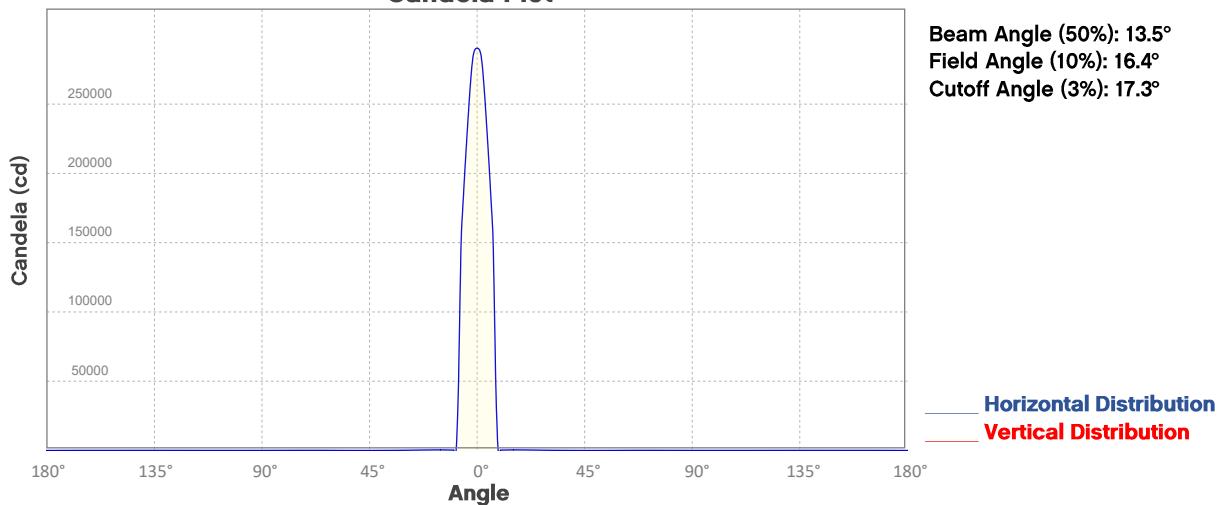


Beam Illuminances from 1-20m (3.3-65.6ft)

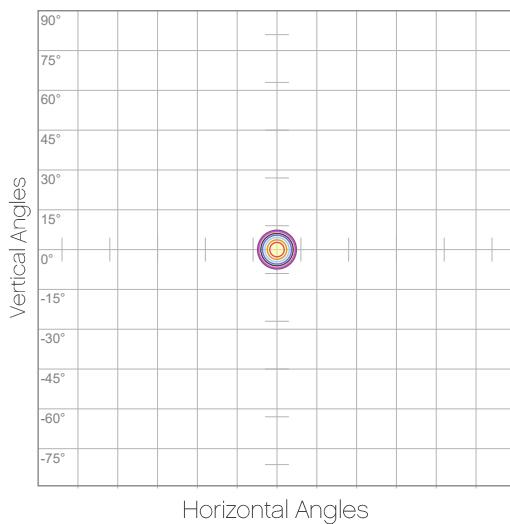
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	289601	72400	32178	18100	11584	8044	5910	4525	3575	2896
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2393	2011	1714	1478	1287	1131	1002	894	802	724
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	26905	6726	2989	1682	1076	747	549	420	332	269
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	222	187	159	137	120	105	93	83	75	67

Photometric Report

Ovation ED-200WW: 14deg Lens, Full Power
Candela Plot



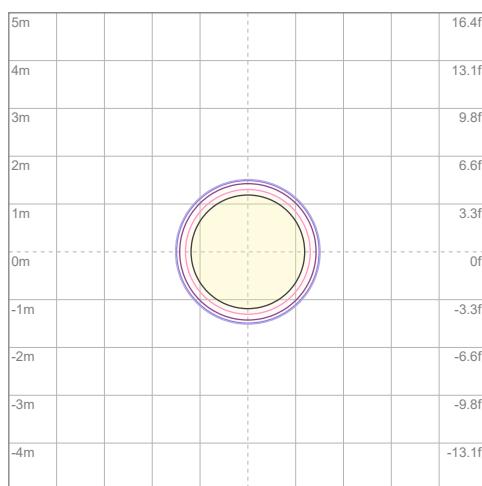
Polar Diagrams



iso-candela Diagram

10%	28960 cd
20%	57920 cd
30%	86880 cd
40%	115840 cd
50%	144801 cd
60%	173761 cd
70%	202721 cd
80%	231681 cd
90%	260641 cd

Conditions:
Number of c-planes: 2
Candela at center: 289601 cd



iso-illuminance Diagram

3%	86.9 lx
5%	145 lx
10%	290 lx
30%	869 lx
50%	1448 lx

Conditions:
Number of c-planes: 2
Lux at center: 2896 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 10deg Lens, Full Power

Report Summary

Output

Total Lumens: 5410 lm
Peak Intensity: 280968 cd
Illuminance @ 5m: 11239 lux
Fixture Efficacy: 43 lm/W

Optical

Horizontal Beam Angle (50%): 8.9°
Vertical Beam Angle (50%): 8.9°
Horizontal Field Angle (10%): 11.2°
Vertical Field Angle (10%): 11.2°
Horizontal Cutoff Angle (3%): 11.6°
Vertical Cutoff Angle (3%): 11.6°

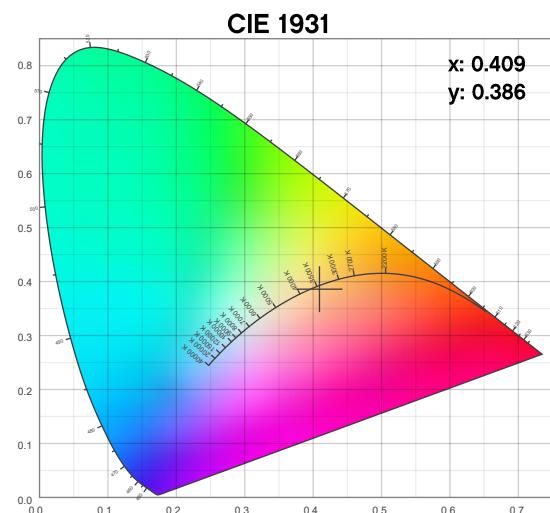
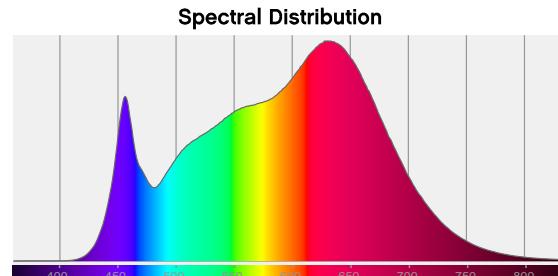
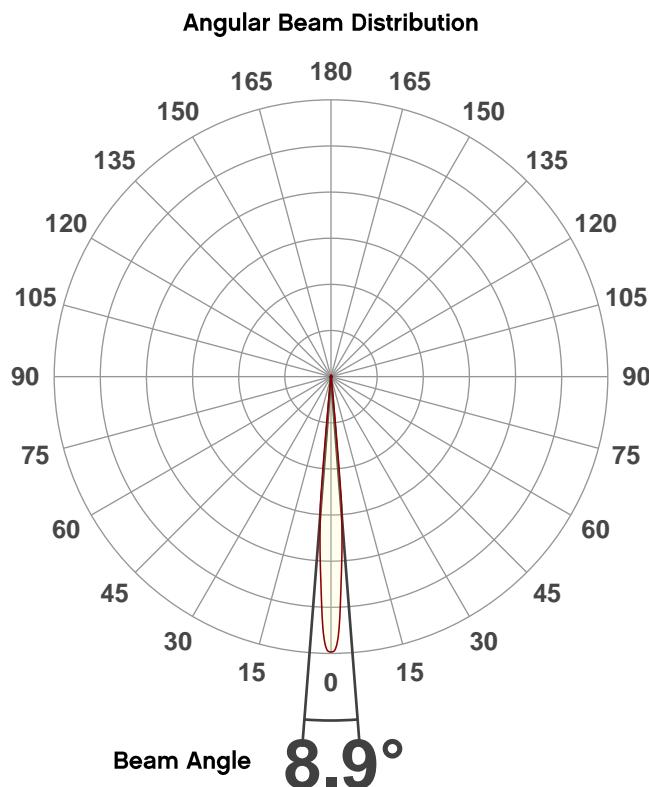


Conditions

AC Supply: 119 V, 60.1 Hz
Power: 124.93 W
Current: 1.05 A
Power Factor: 1.0

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 2/3/2020 to LM-63-2002 Standards.

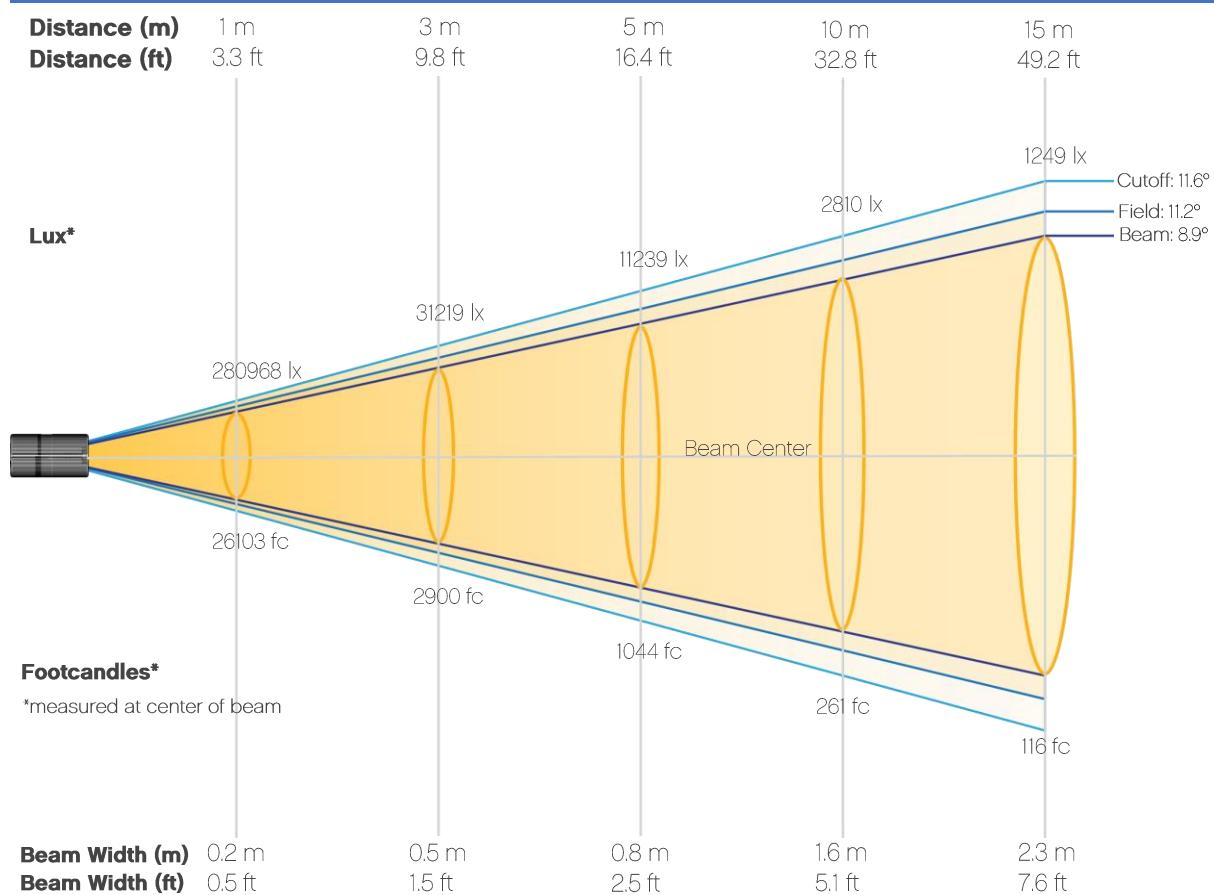
Overall Measurement



Photometric Report

Ovation ED-200WW: 10deg Lens, Full Power

Beam Details



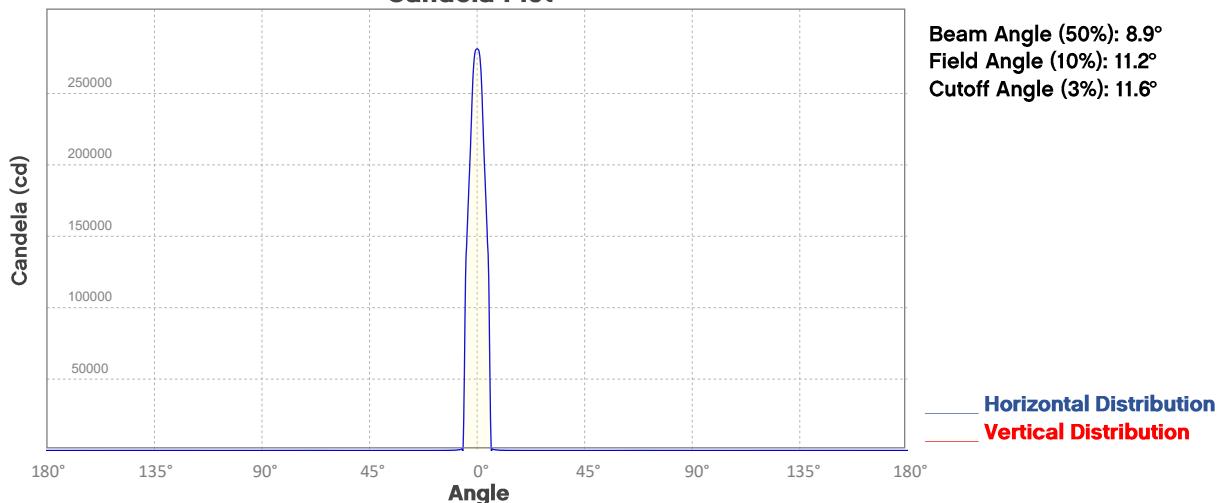
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
LUX	28096 8	70242	31219	17561	11239	7805	5734	4390	3469	2810
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
LUX	2322	1951	1663	1434	1249	1098	972	867	778	702
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	26103	6526	2900	1631	1044	725	533	408	322	261
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	216	181	154	133	116	102	90	81	72	65

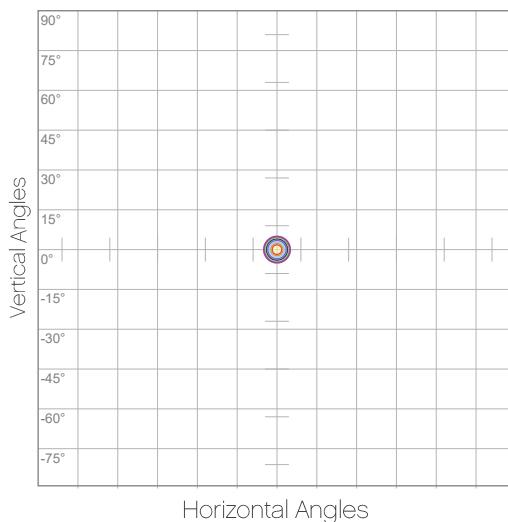
Photometric Report

Ovation ED-200WW: 10deg Lens, Full Power

Candela Plot



Polar Diagrams

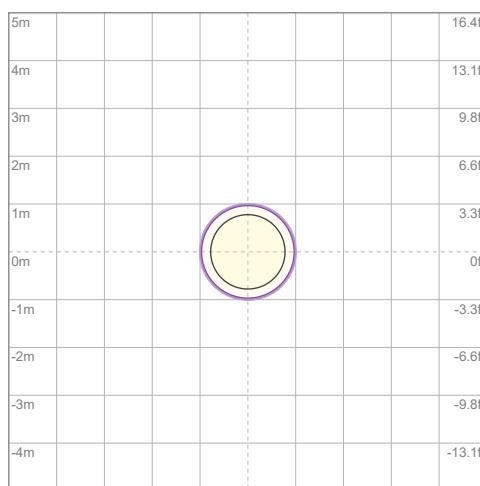


iso-candela Diagram

10%	28097 cd
20%	56194 cd
30%	84290 cd
40%	112387 cd
50%	140484 cd
60%	168581 cd
70%	196678 cd
80%	224775 cd
90%	252871 cd

Conditions:

Number of c-planes: 2
Candela at center: 280968 cd



iso-illuminance Diagram

3%	84.3 lx
5%	140 lx
10%	281 lx
30%	843 lx
50%	1405 lx

Conditions:

Number of c-planes: 2
Lux at center: 2810 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 5deg Lens, Full Power

Report Summary

Output

Total Lumens: 5283 lm
Peak Intensity: 503639 cd
Illuminance @ 5m: 20146 lux
Fixture Efficacy: 42 lm/W

Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 7.7°
Vertical Field Angle (10%): 7.7°
Horizontal Cutoff Angle (3%): 8°
Vertical Cutoff Angle (3%): 8°

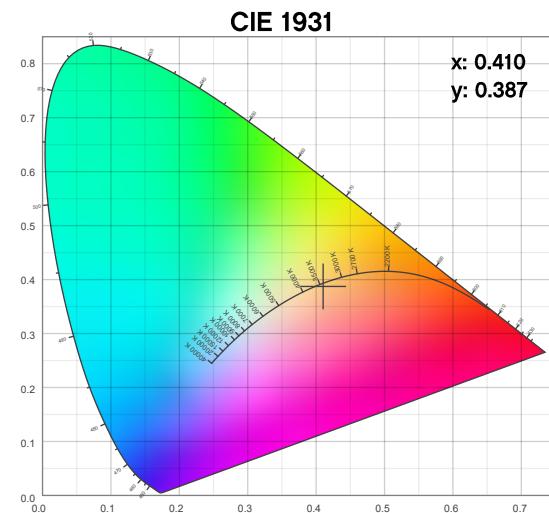
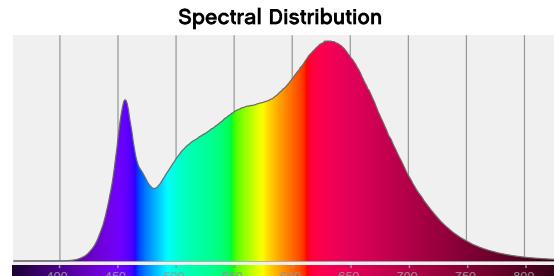
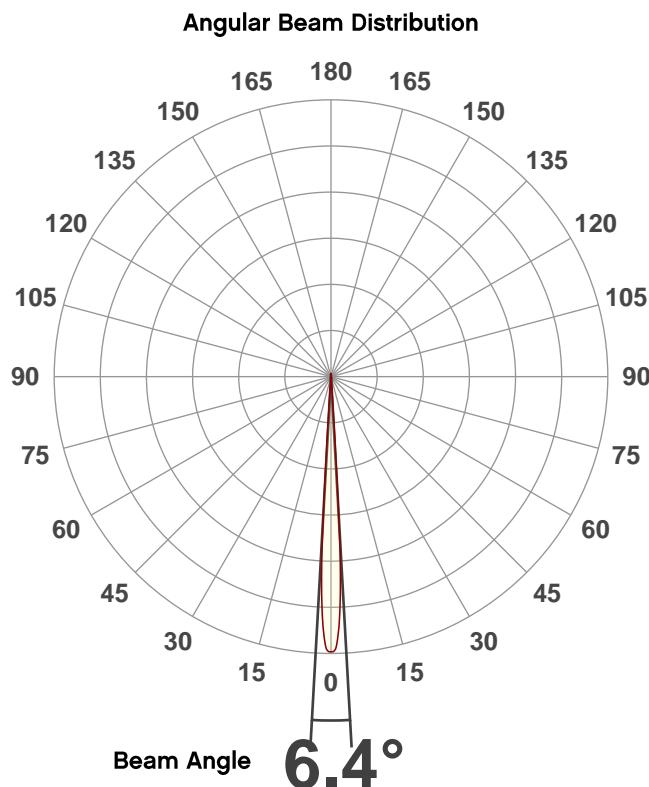


Conditions

AC Supply: 119 V, 60.1 Hz
Power: 125.14 W
Current: 1.05 A
Power Factor: 1.0

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 2/3/2020 to LM-63-2002 Standards.

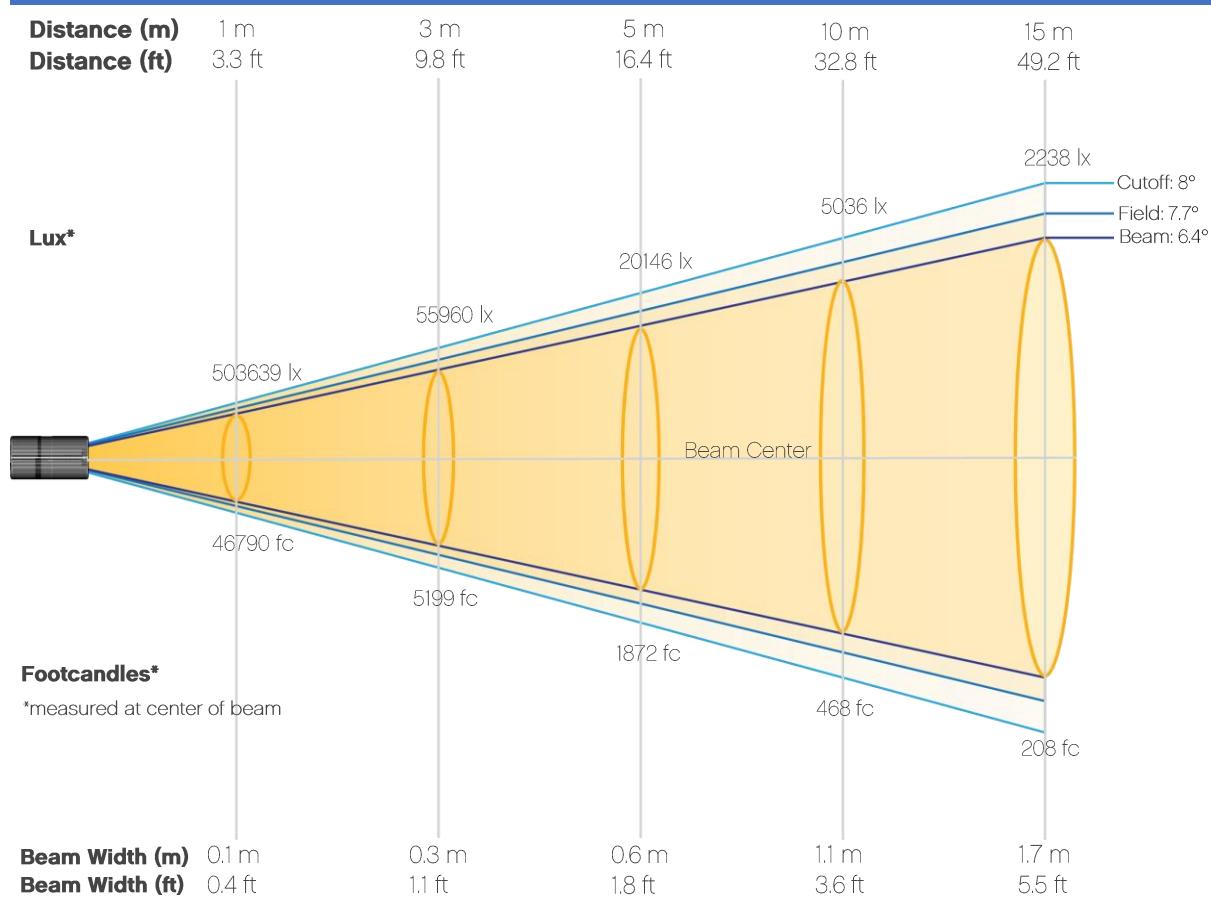
Overall Measurement



Photometric Report

Ovation ED-200WW: 5deg Lens, Full Power

Beam Details

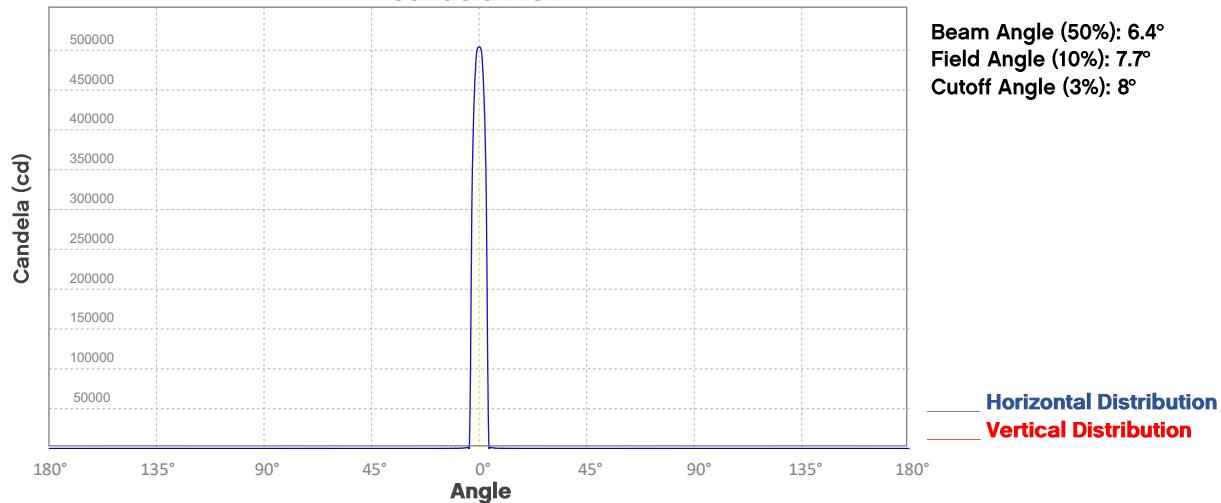


Beam Illuminances from 1-20m (3.3-65.6ft)

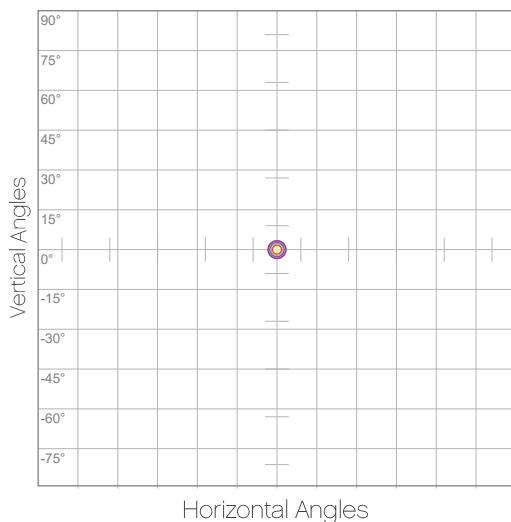
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
LUX	50363 9	125910	55960	31477	20146	13990	10278	7869	6218	5036
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
LUX	4162	3497	2980	2570	2238	1967	1743	1554	1395	1259
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	46790	11697	5199	2924	1872	1300	955	731	578	468
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	387	325	277	239	208	183	162	144	130	117

Photometric Report

Ovation ED-200WW: 5deg Lens, Full Power
Candela Plot



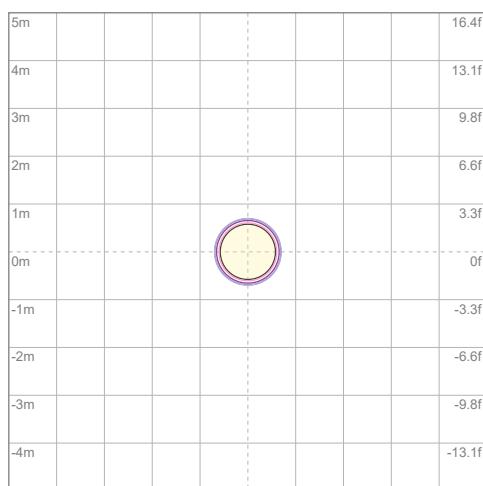
Polar Diagrams



iso-candela Diagram

10%	50364 cd
20%	100728 cd
30%	151092 cd
40%	201455 cd
50%	251819 cd
60%	302183 cd
70%	352547 cd
80%	402911 cd
90%	453275 cd

Conditions:
Number of c-planes: 2
Candela at center: 503639 cd



iso-illuminance Diagram

3%	151 lx
5%	252 lx
10%	504 lx
30%	1511 lx
50%	2518 lx

Conditions:
Number of c-planes: 2
Lux at center: 5036 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 25-50Zoom Lens-50deg , Full Power

Report Summary

Output

Total Lumens: 6736 lm

Peak Intensity: 23142 cd

Illuminance @ 5m: 926 lux

Fixture Efficacy: 54 lm/W

Optical

Horizontal Beam Angle (50%): 34.7°

Vertical Beam Angle (50%): 34.7°

Horizontal Field Angle (10%): 44.6°

Vertical Field Angle (10%): 44.6°

Horizontal Cutoff Angle (3%): 46°

Vertical Cutoff Angle (3%): 46.1°

Conditions

AC Supply: 118 V, 60 Hz

Power: 125.09W

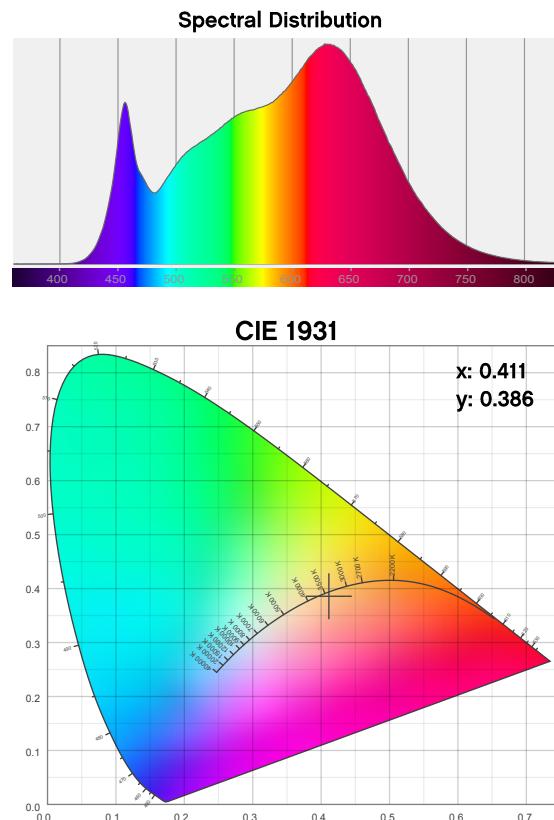
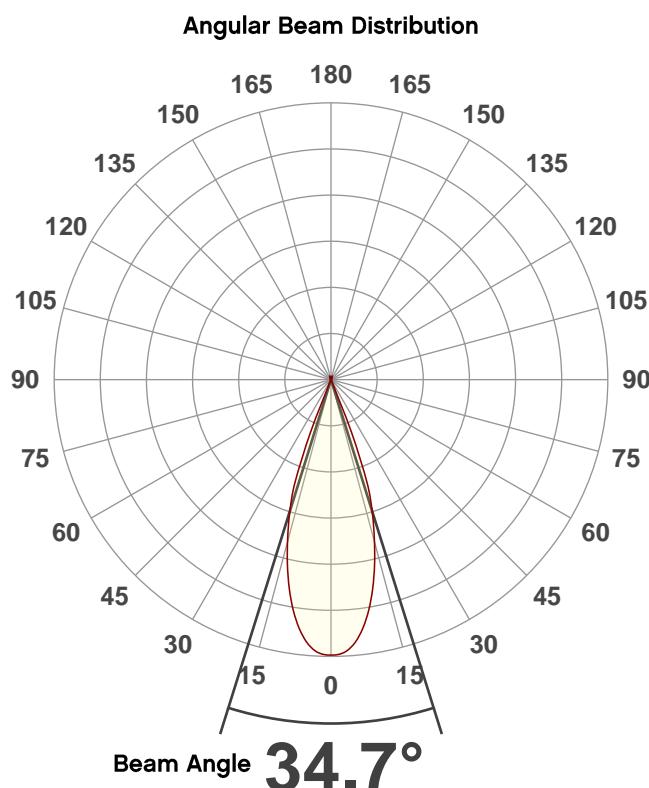
Current: 1.06 A

Current: 1.00 A
Power Factor: 1.0

A black stage light fixture with a rectangular frame and a bright yellow beam of light emanating from the bottom right.

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniosmeter at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/3/2020 to I-M-63-2002 Standards.

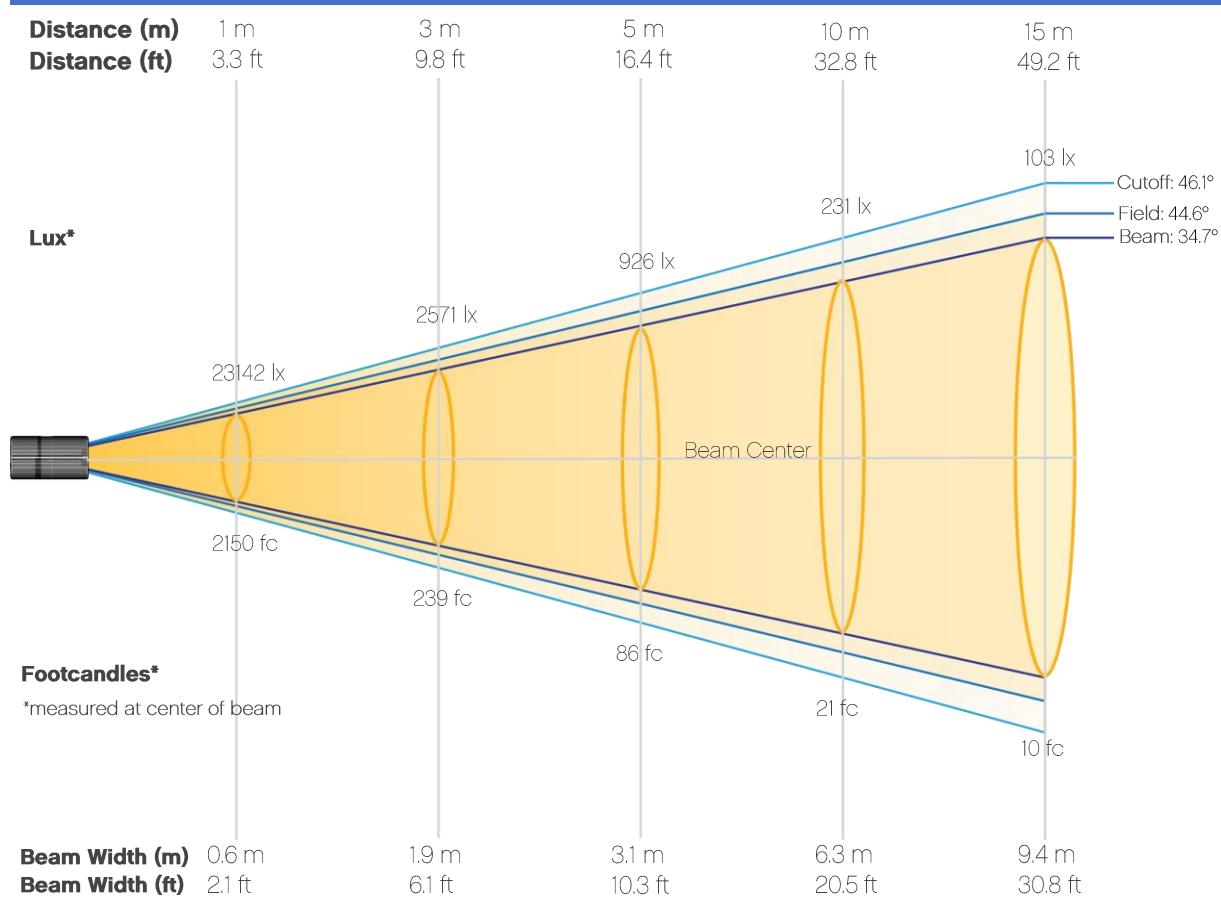
Overall Measurement



Photometric Report

Ovation ED-200WW: 25-50Zoom Lens-50deg , Full Power

Beam Details

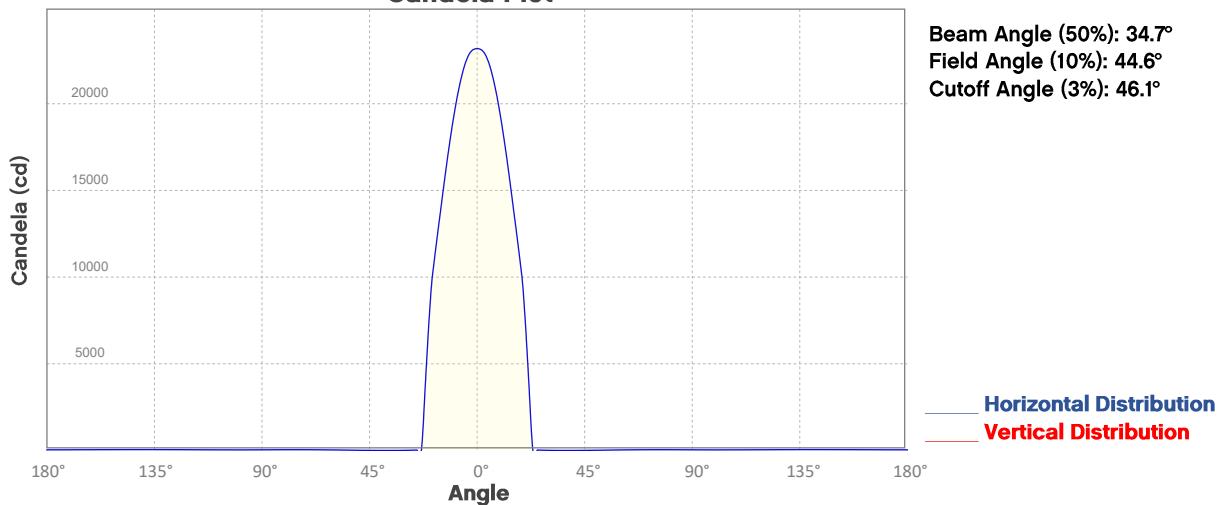


Beam Illuminances from 1-20m (3.3-65.6ft)

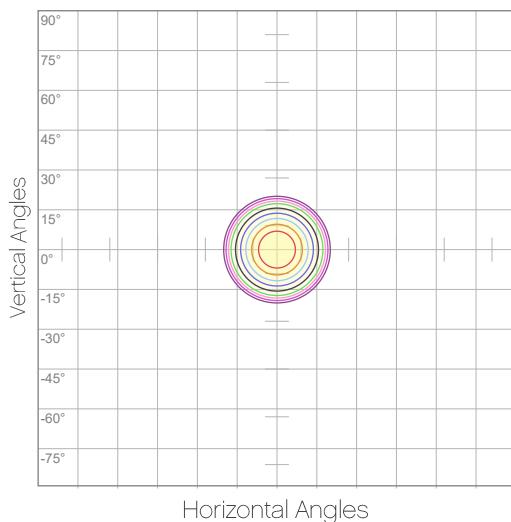
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	23142	5785	2571	1446	926	643	472	362	286	231
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	191	161	137	118	103	90	80	71	64	58
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2150	537	239	134	86	60	44	34	27	21
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	18	15	13	11	10	8	7	7	6	5

Photometric Report

Ovation ED-200WW: 25-50Zoom Lens-50deg , Full Power
Candela Plot



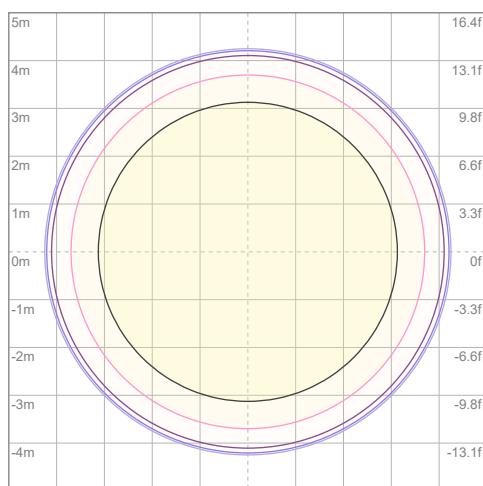
Polar Diagrams



iso-candela Diagram

10%	2314 cd
20%	4628 cd
30%	6943 cd
40%	9257 cd
50%	11571 cd
60%	13885 cd
70%	16199 cd
80%	18513 cd
90%	20828 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 23142 cd



iso-illuminance Diagram

3%	6.94 lx
5%	11.6 lx
10%	23.1 lx
30%	69.4 lx
50%	116 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 231 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 25-50Zoom Lens-25deg , Full Power

Report Summary

Output

Total Lumens: 6771 lm
Peak Intensity: 56912 cd
Illuminance @ 5m: 2276 lux
Fixture Efficacy: 55 lm/W

Optical

Horizontal Beam Angle (50%): 22.7°
Vertical Beam Angle (50%): 22.7°
Horizontal Field Angle (10%): 27.4°
Vertical Field Angle (10%): 27.4°
Horizontal Cutoff Angle (3%): 29.4°
Vertical Cutoff Angle (3%): 29.4°

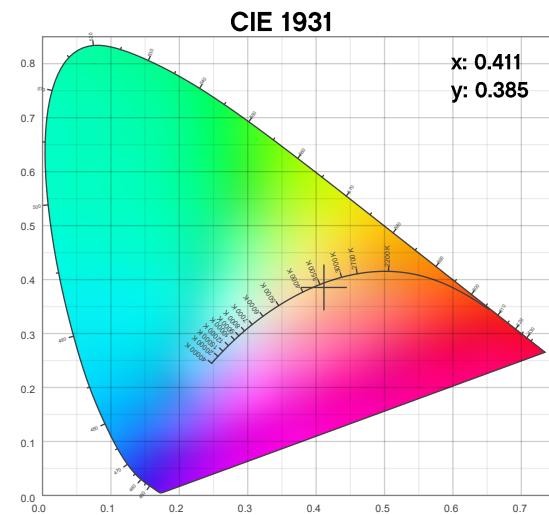
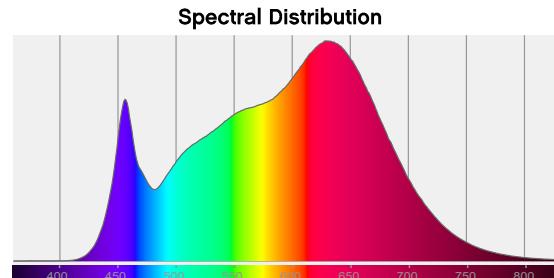
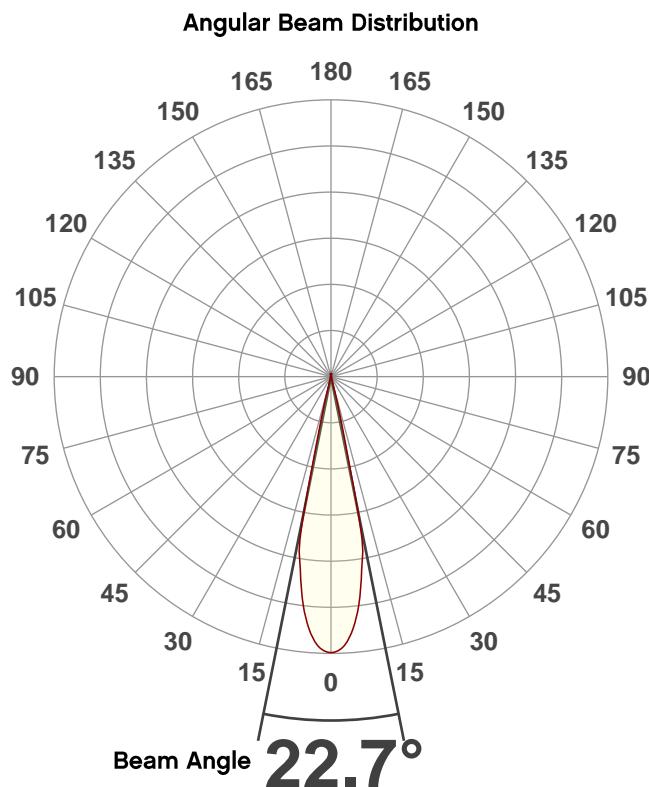


Conditions

AC Supply: 118 V, 60.1 Hz
Power: 122.81 W
Current: 1.04 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/3/2020 to LM-63-2002 Standards.

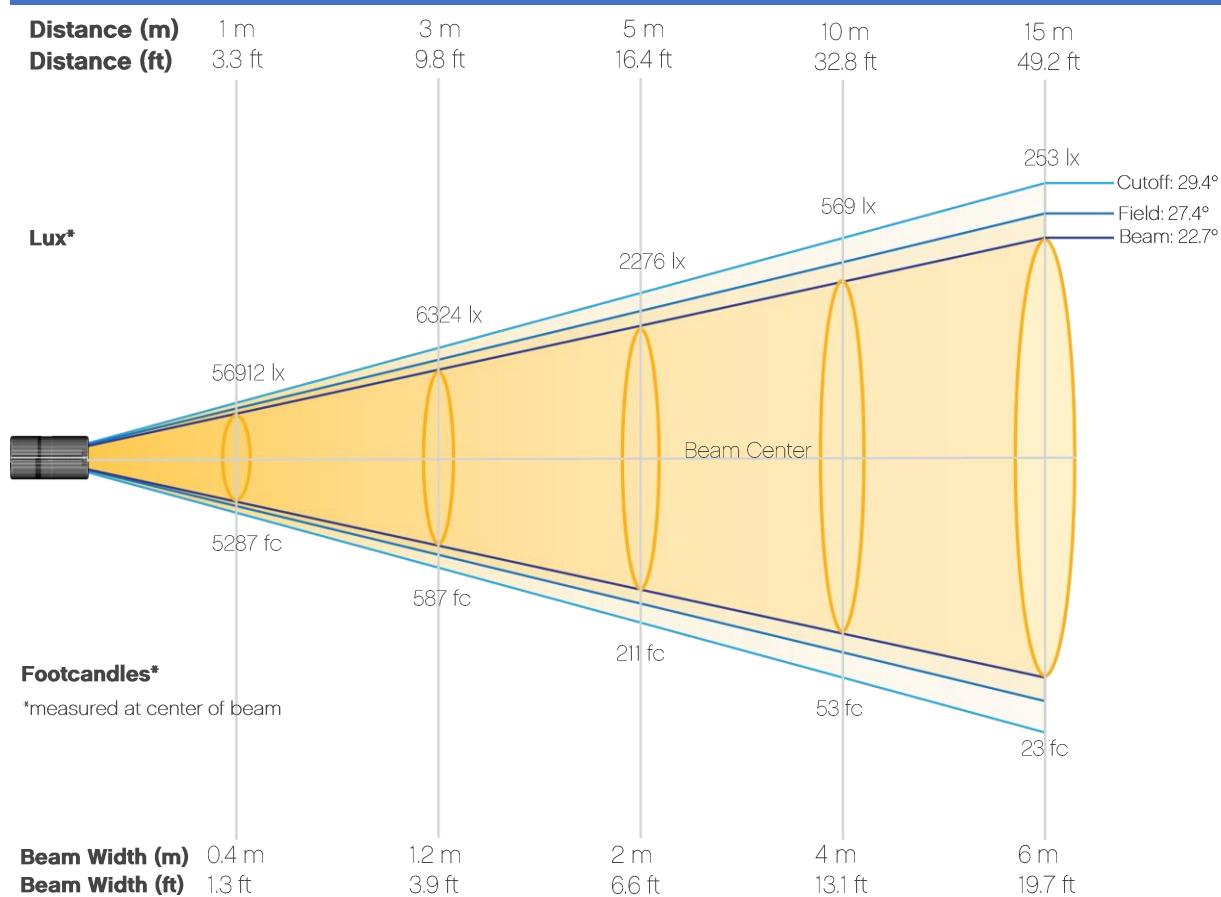
Overall Measurement



Photometric Report

Ovation ED-200WW: 25-50Zoom Lens-25deg , Full Power

Beam Details

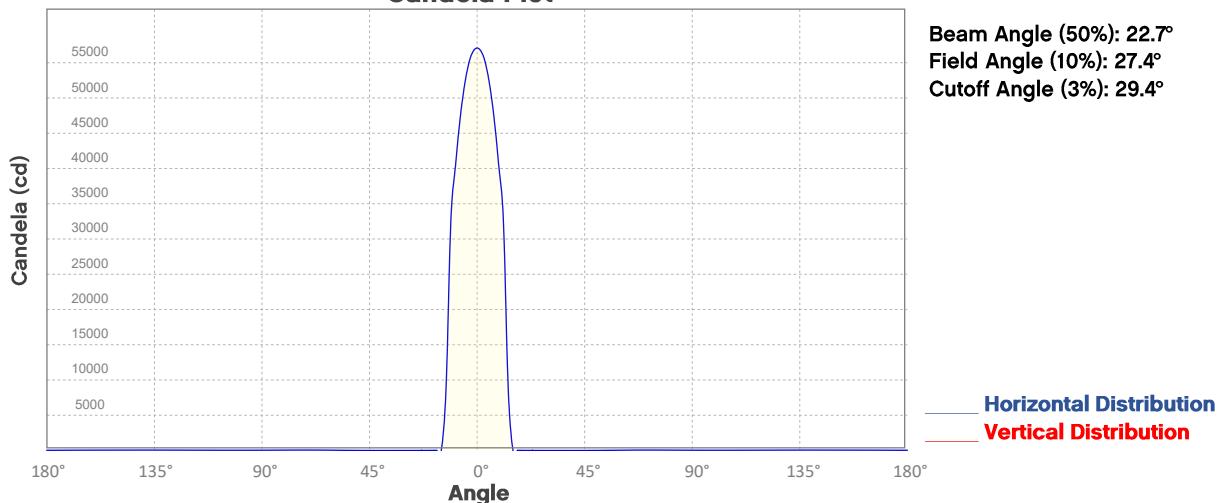


Beam Illuminances from 1-20m (3.3-65.6ft)

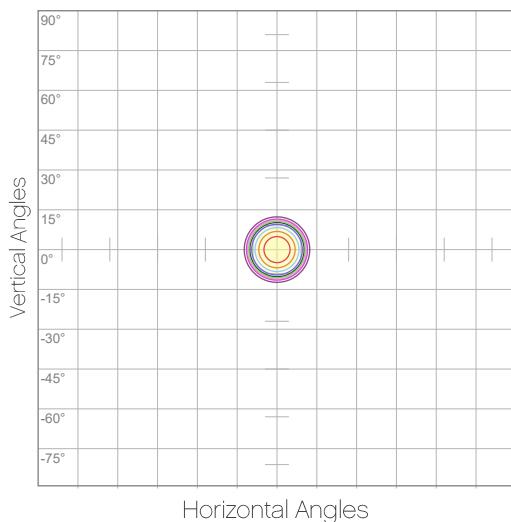
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	56912	14228	6324	3557	2276	1581	1161	889	703	569
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	470	395	337	290	253	222	197	176	158	142
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5287	1322	587	330	211	147	108	83	65	53
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	44	37	31	27	23	21	18	16	15	13

Photometric Report

Ovation ED-200WW: 25-50Zoom Lens-25deg , Full Power
Candela Plot



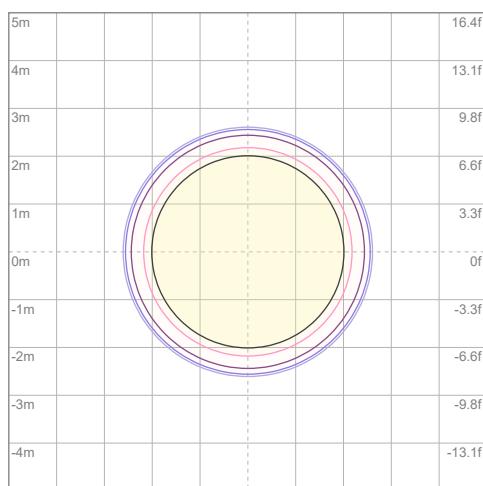
Polar Diagrams



iso-candela Diagram

10%	5691 cd
20%	11382 cd
30%	17074 cd
40%	22765 cd
50%	28456 cd
60%	34147 cd
70%	39838 cd
80%	45529 cd
90%	51221 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 56912 cd



iso-illuminance Diagram

3%	17.1 lx
5%	28.5 lx
10%	56.9 lx
30%	171 lx
50%	285 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 569 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 15-30 Zoom Lens-30deg , Full Power

Report Summary

Output

Total Lumens: 6062 lm
Peak Intensity: 51844 cd
Illuminance @ 5m: 2074 lux
Fixture Efficacy: 48 lm/W



Optical

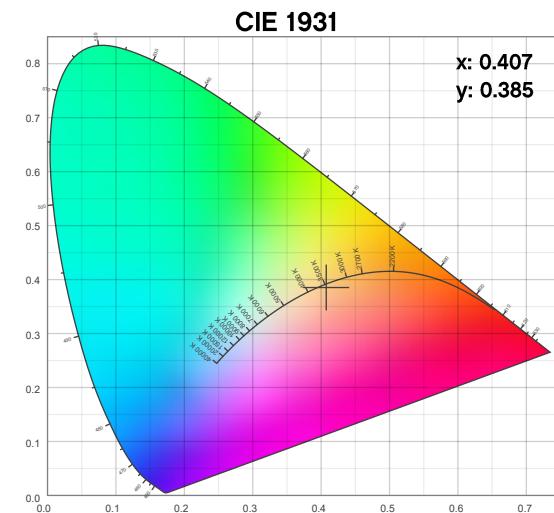
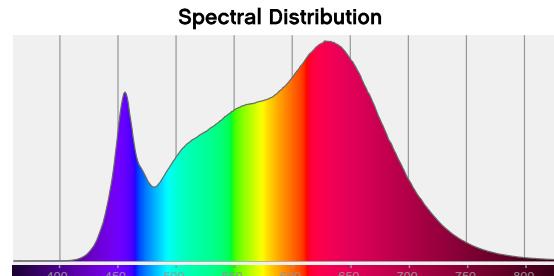
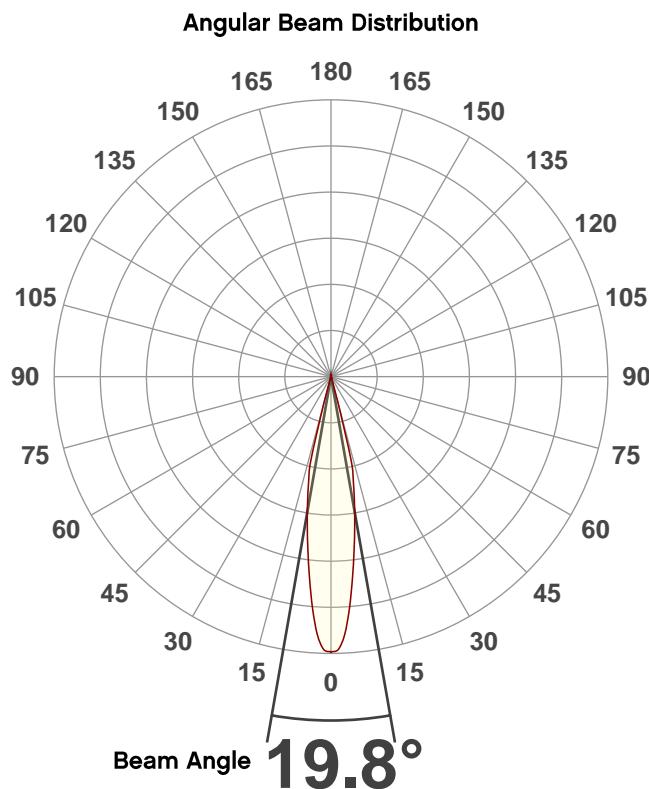
Horizontal Beam Angle (50%): 19.8°
Vertical Beam Angle (50%): 19.8°
Horizontal Field Angle (10%): 30.1°
Vertical Field Angle (10%): 30.1°
Horizontal Cutoff Angle (3%): 32.3°
Vertical Cutoff Angle (3%): 32.3°

Conditions

AC Supply: 118 V, 60 Hz
Power: 125.68 W
Current: 1.06 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpiron Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/3/2020 to ILM-63-2002 Standards.

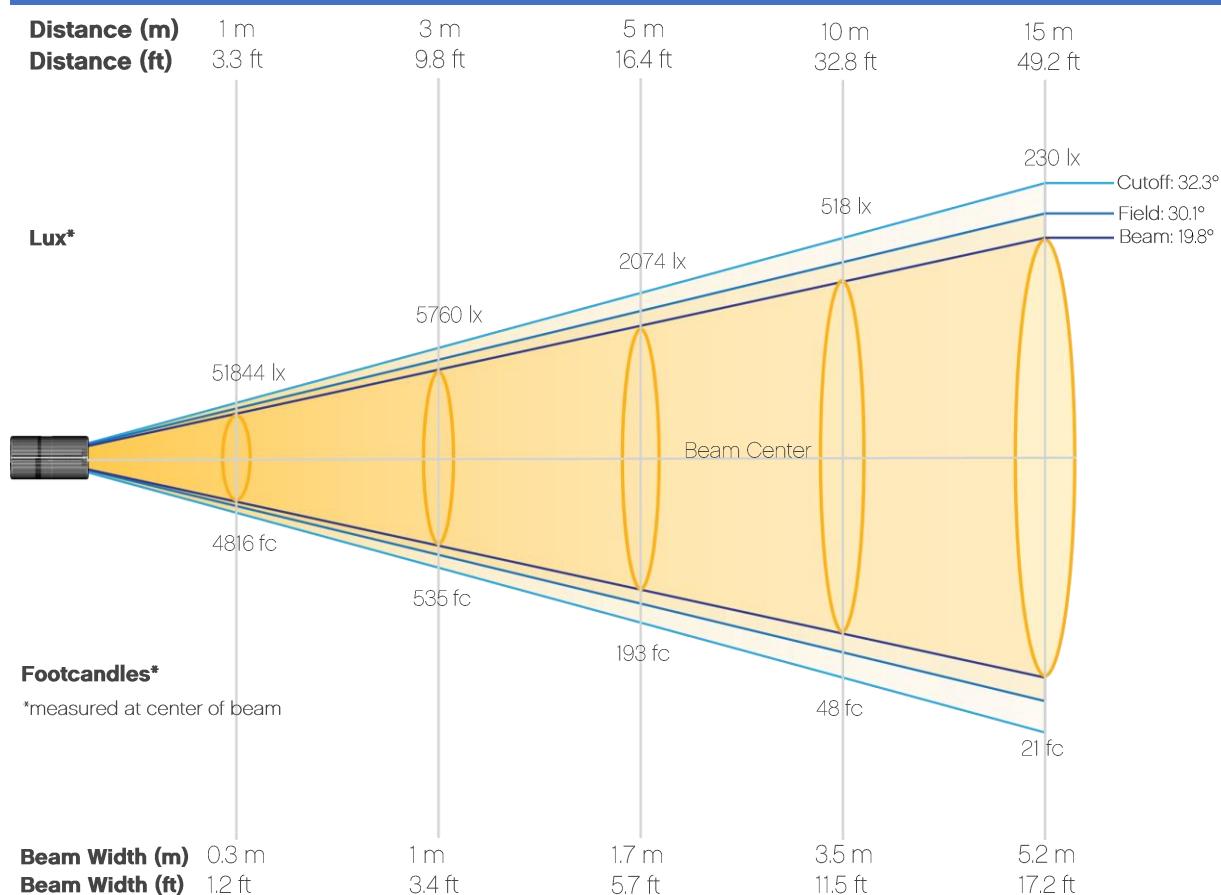
Overall Measurement



Photometric Report

Ovation ED-200WW: 15-30 Zoom Lens-30deg , Full Power

Beam Details

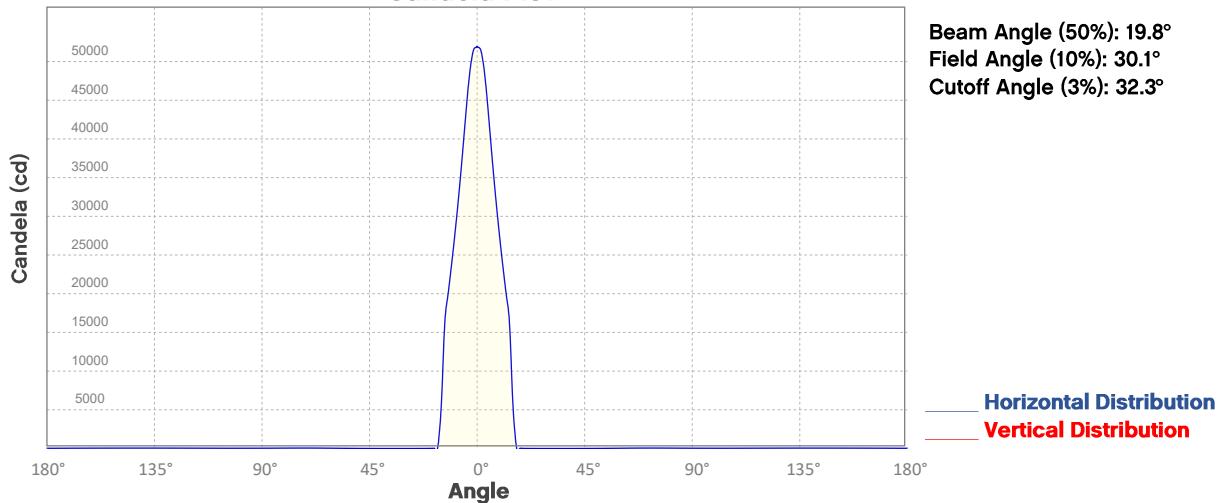


Beam Illuminances from 1-20m (3.3-65.6ft)

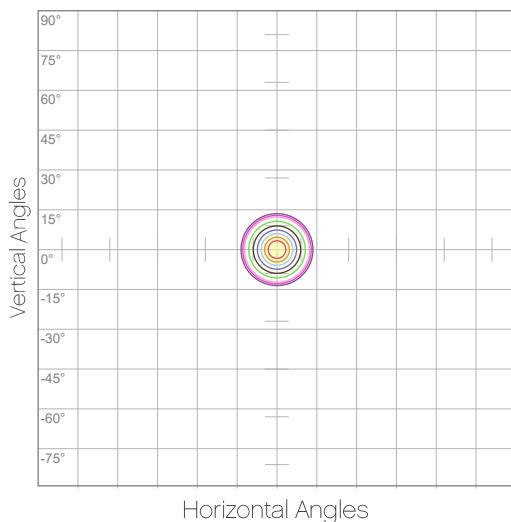
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	51844	12961	5760	3240	2074	1440	1058	810	640	518
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	428	360	307	265	230	203	179	160	144	130
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4816	1204	535	301	193	134	98	75	59	48
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	40	33	28	25	21	19	17	15	13	12

Photometric Report

Ovation ED-200WW: 15-30 Zoom Lens-30deg , Full Power
Candela Plot



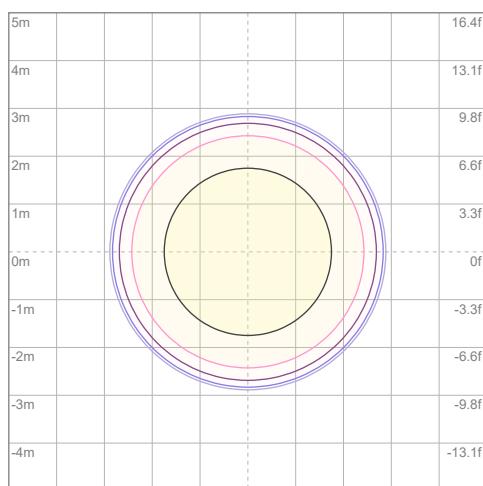
Polar Diagrams



iso-candela Diagram

10%	5184 cd
20%	10369 cd
30%	15553 cd
40%	20738 cd
50%	25922 cd
60%	31107 cd
70%	36291 cd
80%	41475 cd
90%	46660 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 51844 cd



iso-illuminance Diagram

3%	15.6 lx
5%	25.9 lx
10%	51.8 lx
30%	156 lx
50%	259 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 518 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Ovation ED-200WW: 15-30 Zoom Lens-15deg , Full Power

Report Summary

Output

Total Lumens: 5916 lm
Peak Intensity: 152835 cd
Illuminance @ 5m: 6113 lux
Fixture Efficacy: 48 lm/W

Optical

Horizontal Beam Angle (50%): 12.8°
Vertical Beam Angle (50%): 12.8°
Horizontal Field Angle (10%): 15.4°
Vertical Field Angle (10%): 15.4°
Horizontal Cutoff Angle (3%): 16.6°
Vertical Cutoff Angle (3%): 16.6°

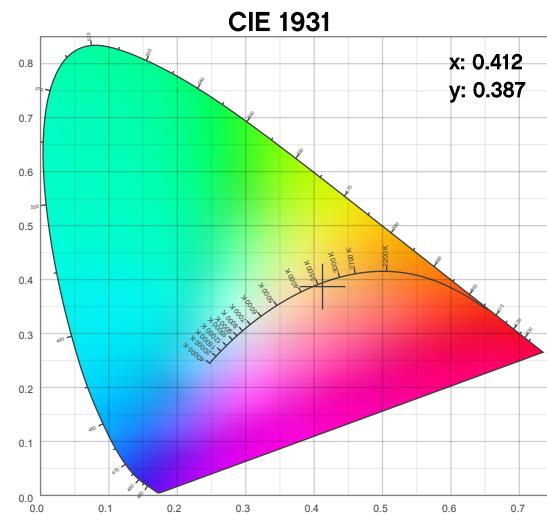
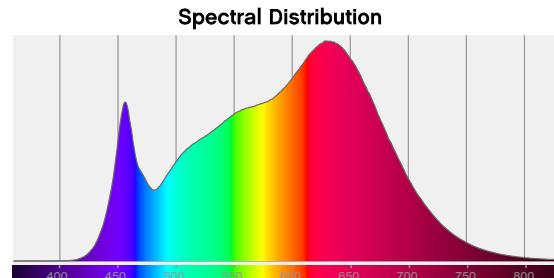
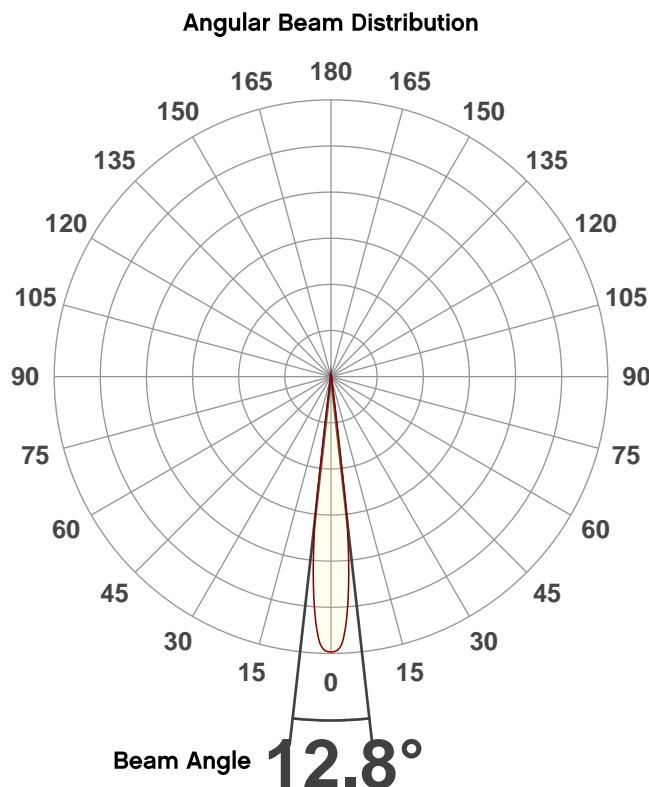


Conditions

AC Supply: 119 V, 60 Hz
Power: 124.6 W
Current: 1.05 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/3/2020 to LM-63-2002 Standards.

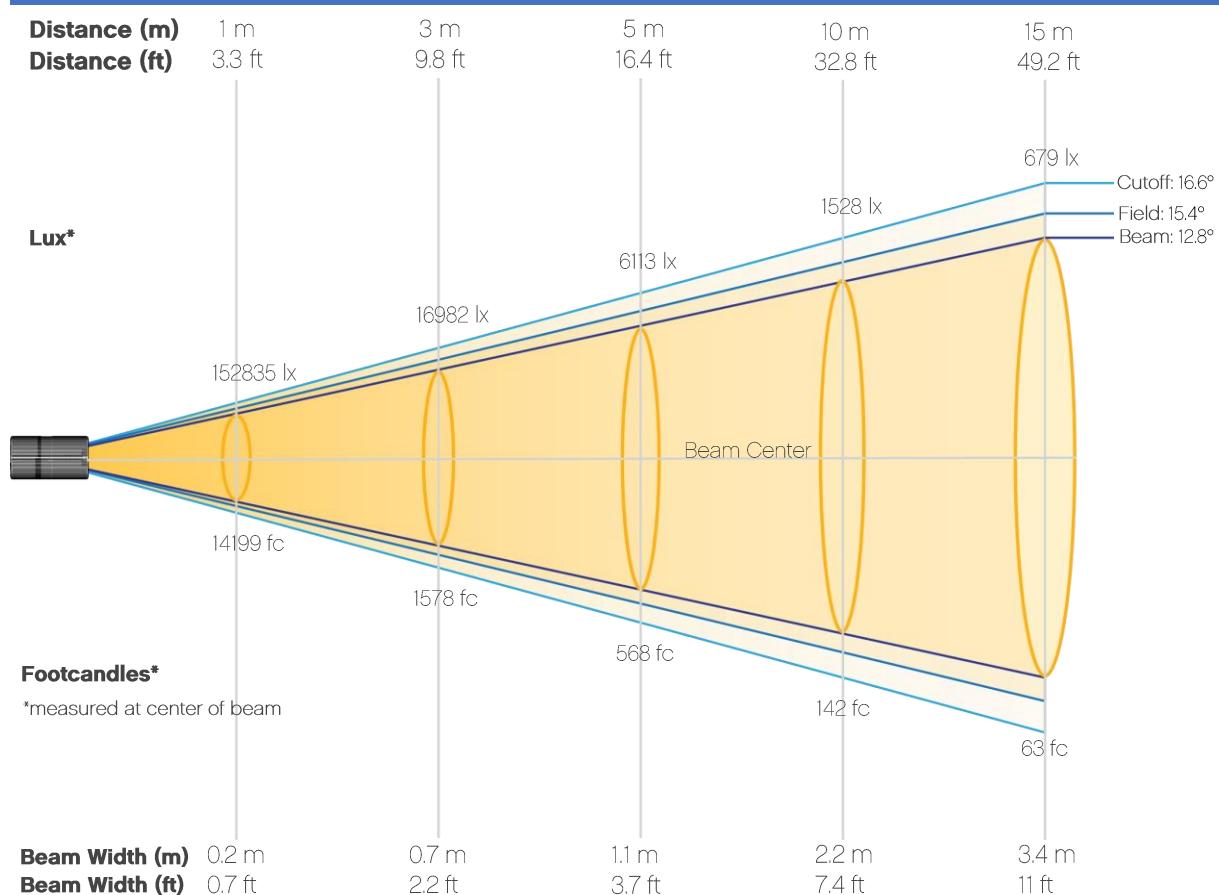
Overall Measurement



Photometric Report

Ovation ED-200WW: 15-30 Zoom Lens-15deg , Full Power

Beam Details

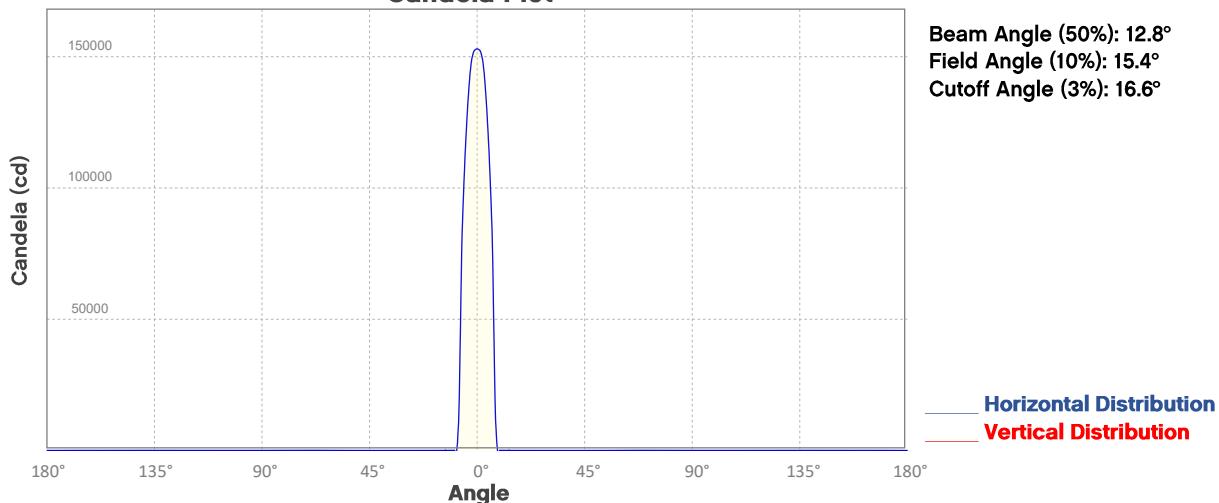


Beam Illuminances from 1-20m (3.3-65.6ft)

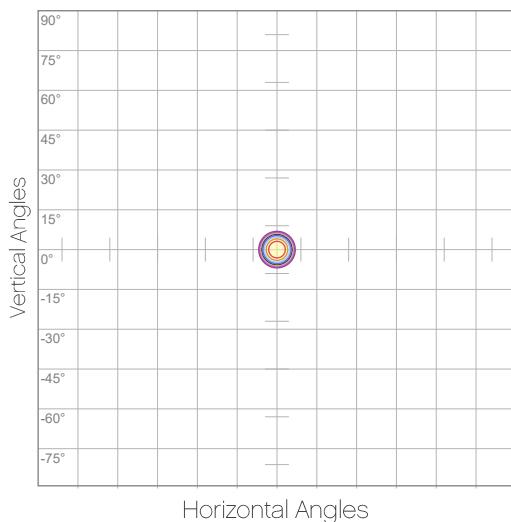
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	152835	38209	16982	9552	6113	4245	3119	2388	1887	1528
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1263	1061	904	780	679	597	529	472	423	382
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14199	3550	1578	887	568	394	290	222	175	142
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	117	99	84	72	63	55	49	44	39	35

Photometric Report

Ovation ED-200WW: 15-30 Zoom Lens-15deg , Full Power
Candela Plot



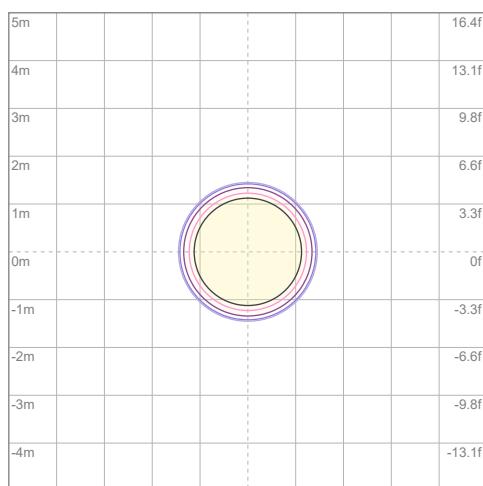
Polar Diagrams



iso-candela Diagram

10%	15284 cd
20%	30567 cd
30%	45851 cd
40%	61134 cd
50%	76418 cd
60%	91701 cd
70%	106985 cd
80%	122268 cd
90%	137552 cd

Conditions:
Number of c-planes: 2
Candela at center: 152835 cd



iso-illuminance Diagram

3%	45.9 lx
5%	76.4 lx
10%	153 lx
30%	459 lx
50%	764 lx

Conditions:
Number of c-planes: 2
Lux at center: 1528 lx

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

Mounting height: 10 meters / 33 feet

Chromaticity Report

Ovation ED-200WW: Full Power

Report Summary

Measurements

Total Lumens: 12790 lm

Peak Intensity: 108295 cd

Fixture Efficacy: 53 lm/W

Correlated Color Temperature: 3245K

Δu_v : -0.0048

CRI: 96.7 CRI R9 Value: 97.6

CQS: 94.8

TLCI: 98

TM-30-18 Rf: 93.3

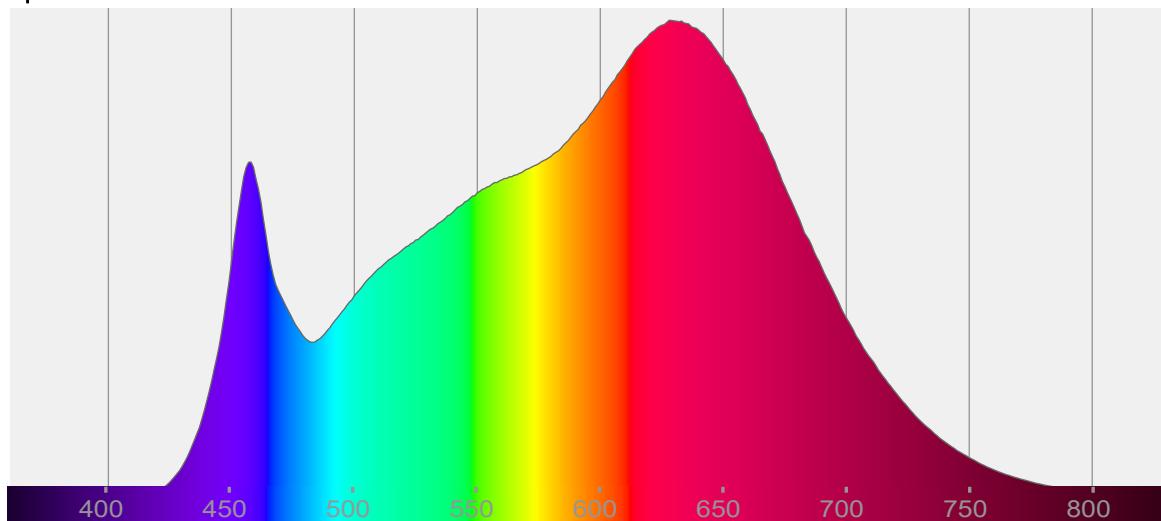
TM-30-18 Rg: 100.8

1st Dominant Wavelength: 628 nm

2nd Dominant Wavelength: 458 nm



Spectral Distribution



Tested Color

3245 K

CIE 1931 Coordinates:
X: 0.415 Y: 0.384

Color Temperature

3245 K

Light Quality

CRI: 96.7

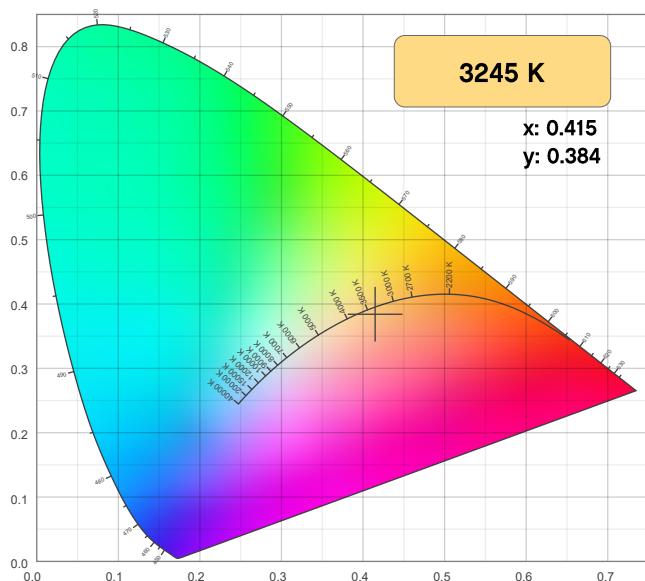
Notes:

Chromaticity Report

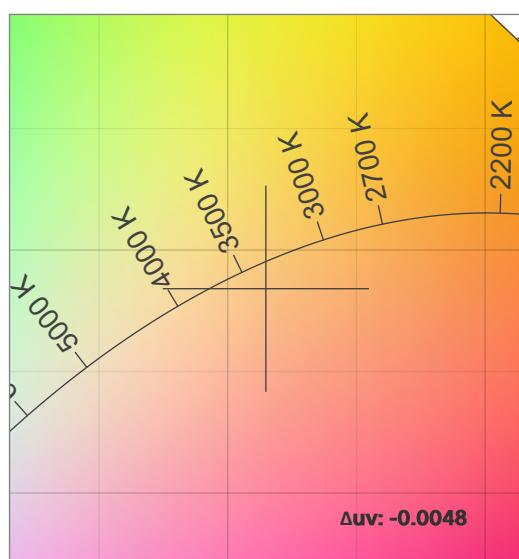
Ovation ED-200WW: Full Power

Chromaticity

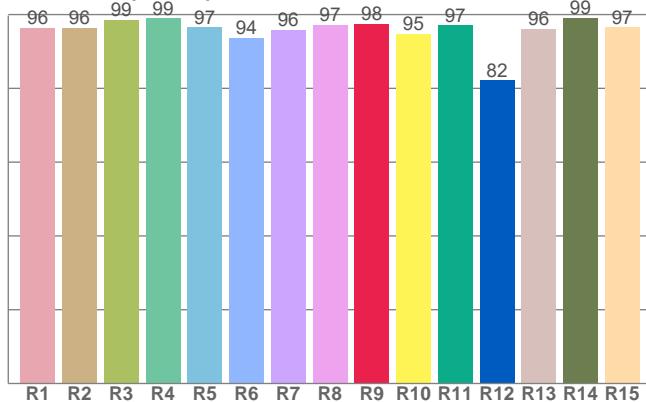
CIE 1931



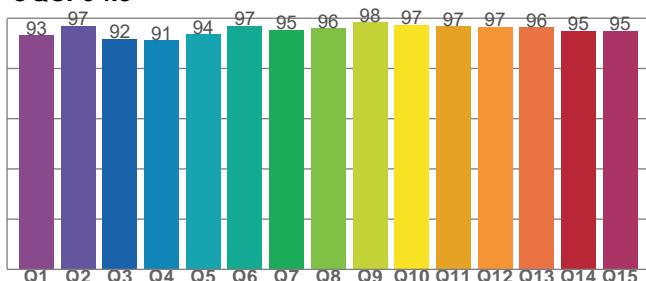
CIE 1931 - Zoom



CRI: 96.7 (R1-R8)



CQS: 94.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3245 K	0.415	0.384

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0048	0.384	0.245

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.7	97.6	94.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
98	93.3	100.8

Chromaticity Report

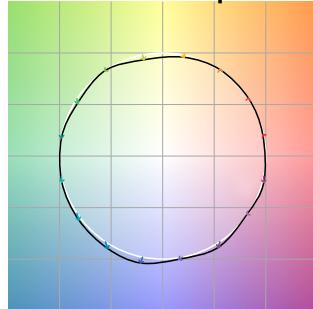
Ovation ED-200WW: Full Power

TM-30-18 Details

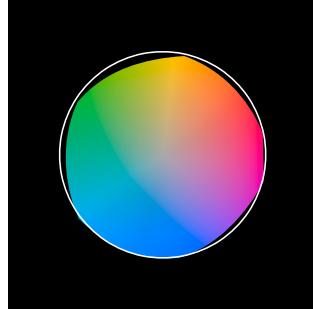
Rf 93.3
Fidelity Index
(R_f)

Rg 100.8
Gamut Index (R_g)

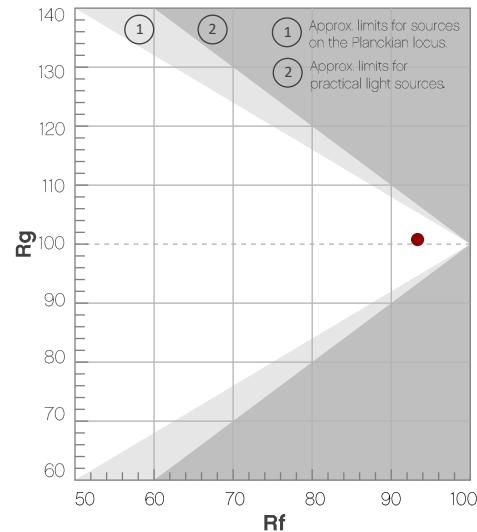
Color Vector Graphic



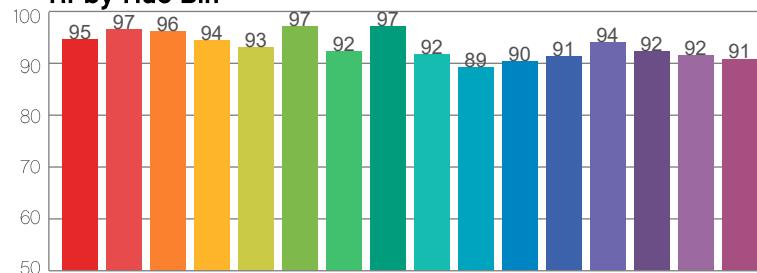
Color Distortion Graphic



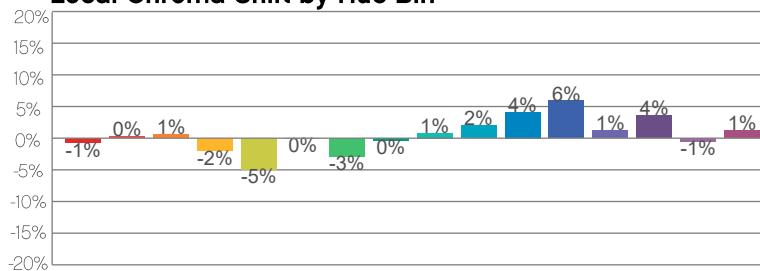
Hue Bin	R _f	Chroma Shift	Hue Shift
1	95	-1%	1%
2	97	0%	0%
3	96	1%	1%
4	94	-2%	-2%
5	93	-5%	-1%
6	97	0%	1%
7	92	-3%	4%
8	97	0%	2%
9	92	1%	6%
10	89	2%	6%
11	90	4%	5%
12	91	6%	-1%
13	94	1%	-4%
14	92	4%	-5%
15	92	-1%	-2%
16	91	1%	-6%



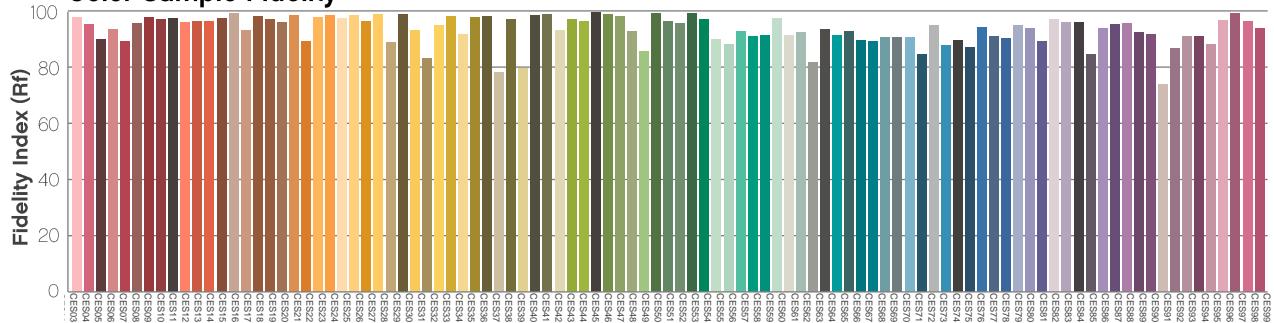
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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All product specifications, measurements and dimensions are subject to change without notice

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