

PHOTOMETRICS REPORT
OVATION
E-260CW



*LENS TUBE SOLD SEPARATELY

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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 E-260CW: 50deg Lens, Full Power

Report Summary

Output

Total Lumens: 13225 lm
Peak Intensity: 40458 cd
Illuminance @ 5m: 1616 lux
Fixture Efficacy: 57 lm/W

Optical

Horizontal Beam Angle (50%): 33.5°
Vertical Beam Angle (50%): 33.6°
Horizontal Field Angle (10%): 52.6°
Vertical Field Angle (10%): 52.3°
Horizontal Cutoff Angle (3%): 54.9°
Vertical Cutoff Angle (3%): 54.8°

Conditions

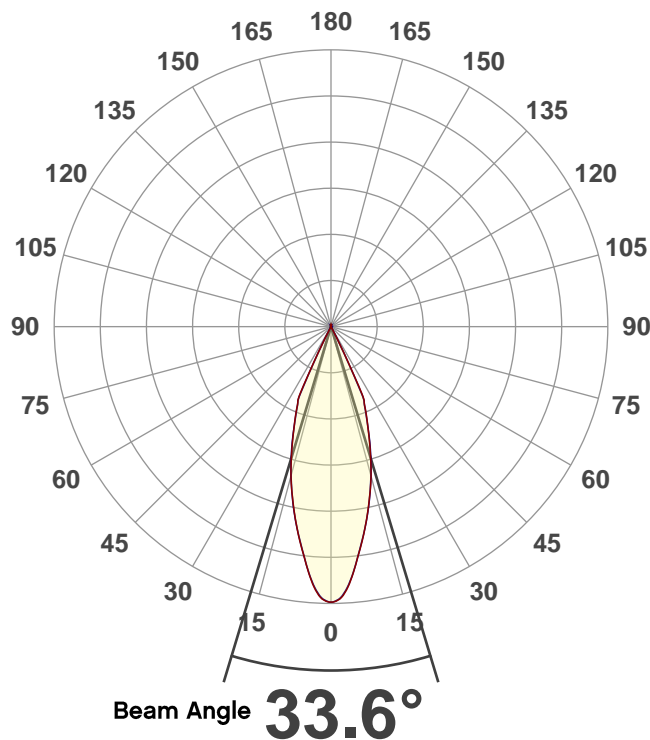
AC Supply: 120 V, 60 Hz
Power: 234.38 W
Current: 1.96 A
Power Factor: 0.99



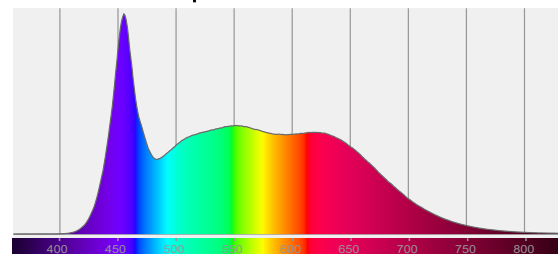
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/1/2019 to LM-63-2002 Standards.

Overall Measurement

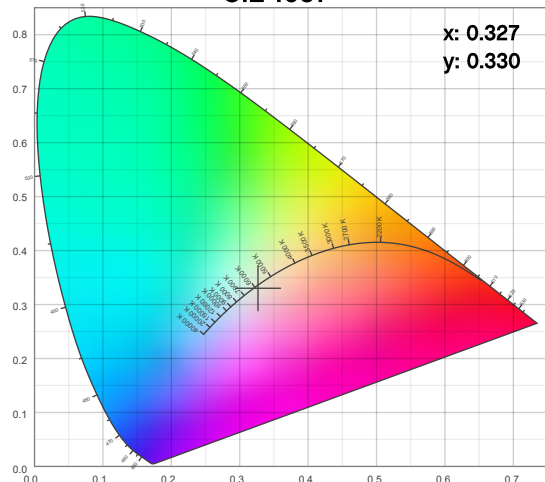
Angular Beam Distribution



Spectral Distribution



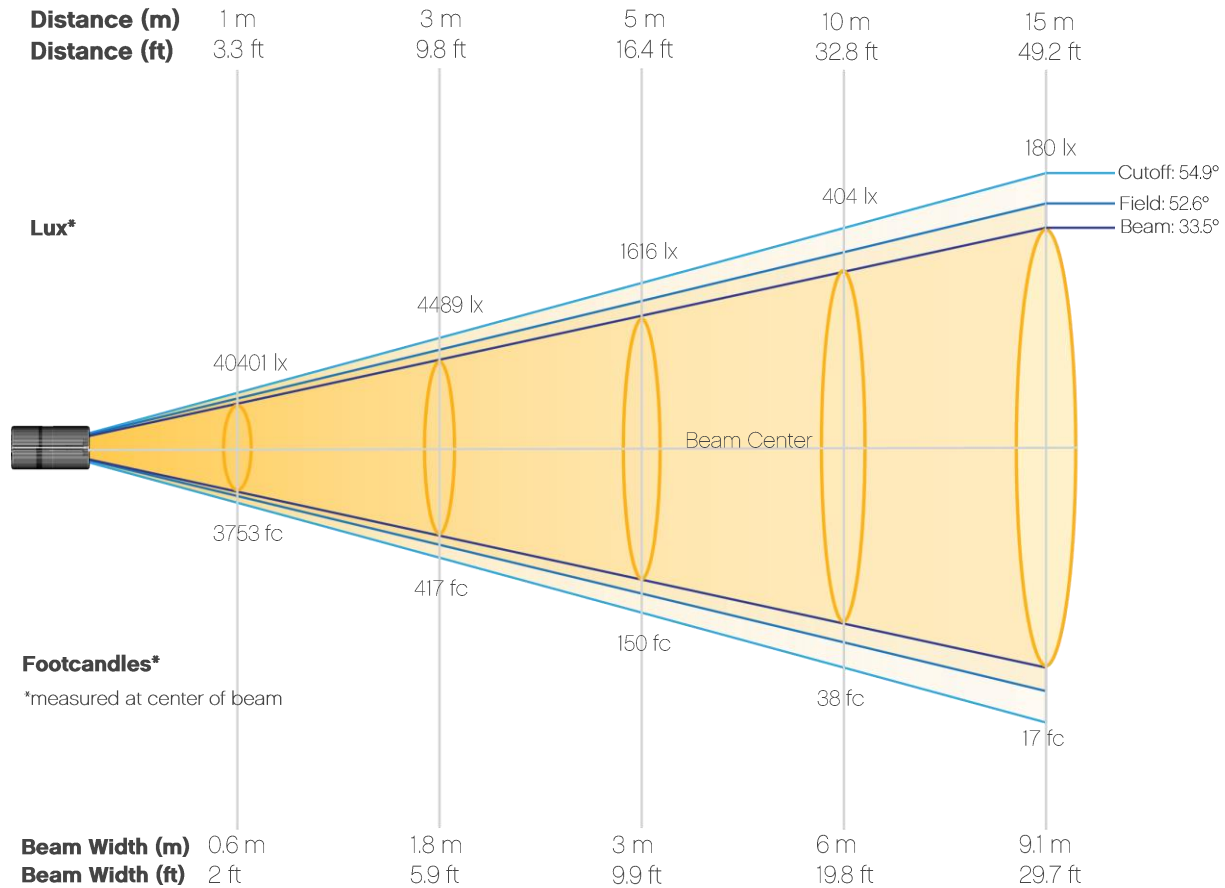
CIE 1931



Photometric Report

Ovation E-260CW: 50deg Lens, Full Power

Beam Details

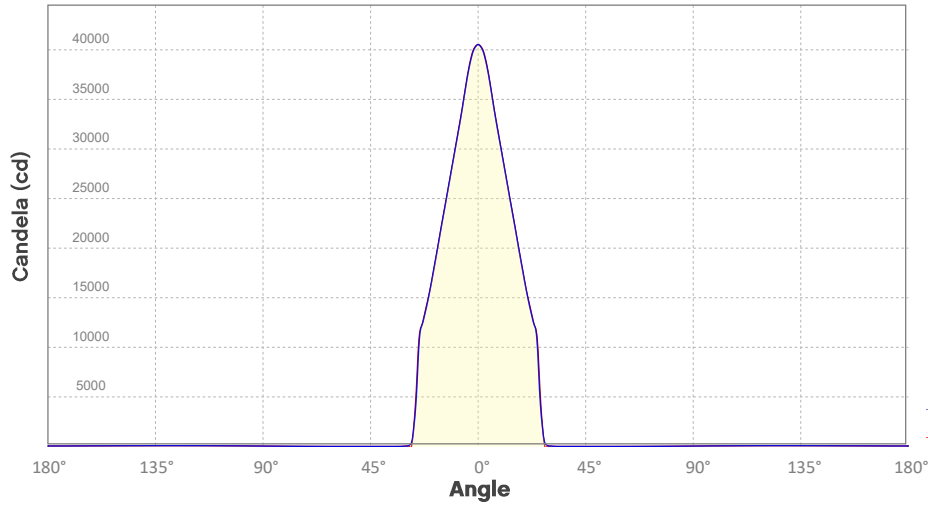


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	40401	10100	4489	2525	1616	1122	825	631	499	404
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	334	281	239	206	180	158	140	125	112	101
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3753	938	417	235	150	104	77	59	46	38
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	31	26	22	19	17	15	13	12	10	9

Photometric Report

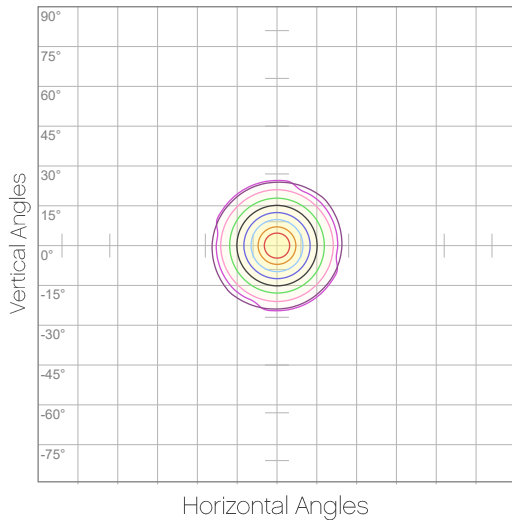
Ovation E-260CW: 50deg Lens, Full Power
Candela Plot



Beam Angle (50%): 33.6°
Field Angle (10%): 52.5°
Cutoff Angle (3%): 55°

— Horizontal Distribution
— Vertical Distribution

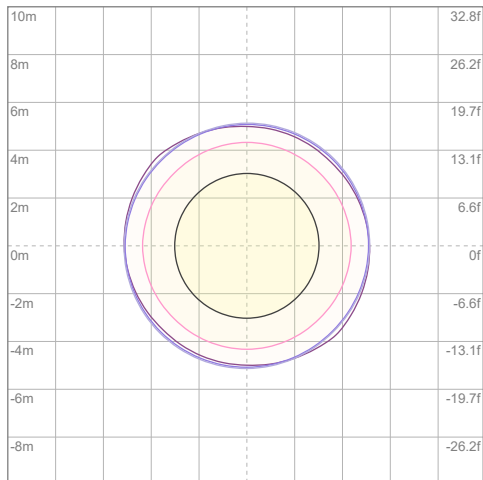
Polar Diagrams



iso-candela Diagram

10%	4040 cd
20%	8080 cd
30%	12120 cd
40%	16161 cd
50%	20201 cd
60%	24241 cd
70%	28281 cd
80%	32321 cd
90%	36361 cd

Conditions:
Number of c-planes: 8
Candela at center: 40401 cd



iso-illuminance Diagram

3%	121 lx
5%	202 lx
10%	404 lx
30%	121 lx
50%	202 lx

Conditions:
Number of c-planes: 8
Lux at center: 404 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 E-260CW: 36deg Lens, Full Power

Report Summary

Output

Total Lumens: 13941 lm
Peak Intensity: 94620 cd
Illuminance @ 5m: 3774 lux
Fixture Efficacy: 60 lm/W

Optical

Horizontal Beam Angle (50%): 22.6°
Vertical Beam Angle (50%): 22.8°
Horizontal Field Angle (10%): 35.5°
Vertical Field Angle (10%): 34.7°
Horizontal Cutoff Angle (3%): 36.6°
Vertical Cutoff Angle (3%): 36.7°

Conditions

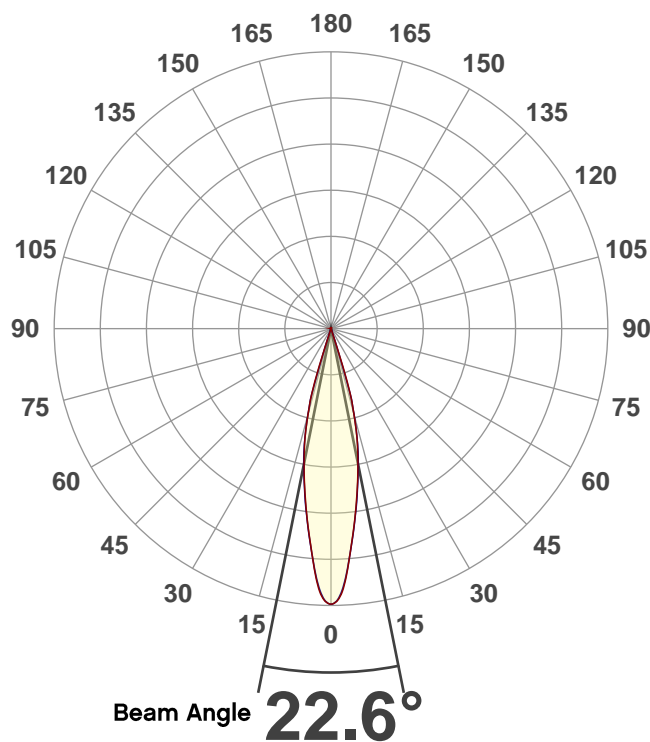
AC Supply: 119 V, 60 Hz
Power: 234.64 W
Current: 1.97 A
Power Factor: 0.99



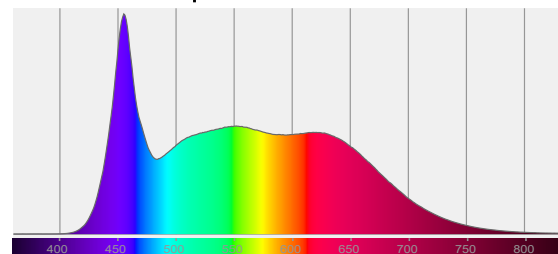
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Overall Measurement

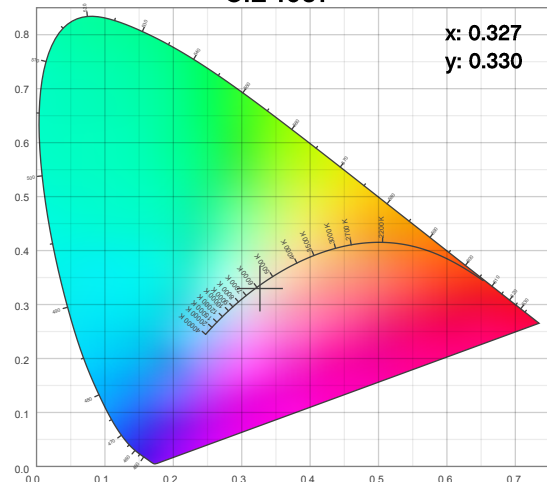
Angular Beam Distribution



Spectral Distribution



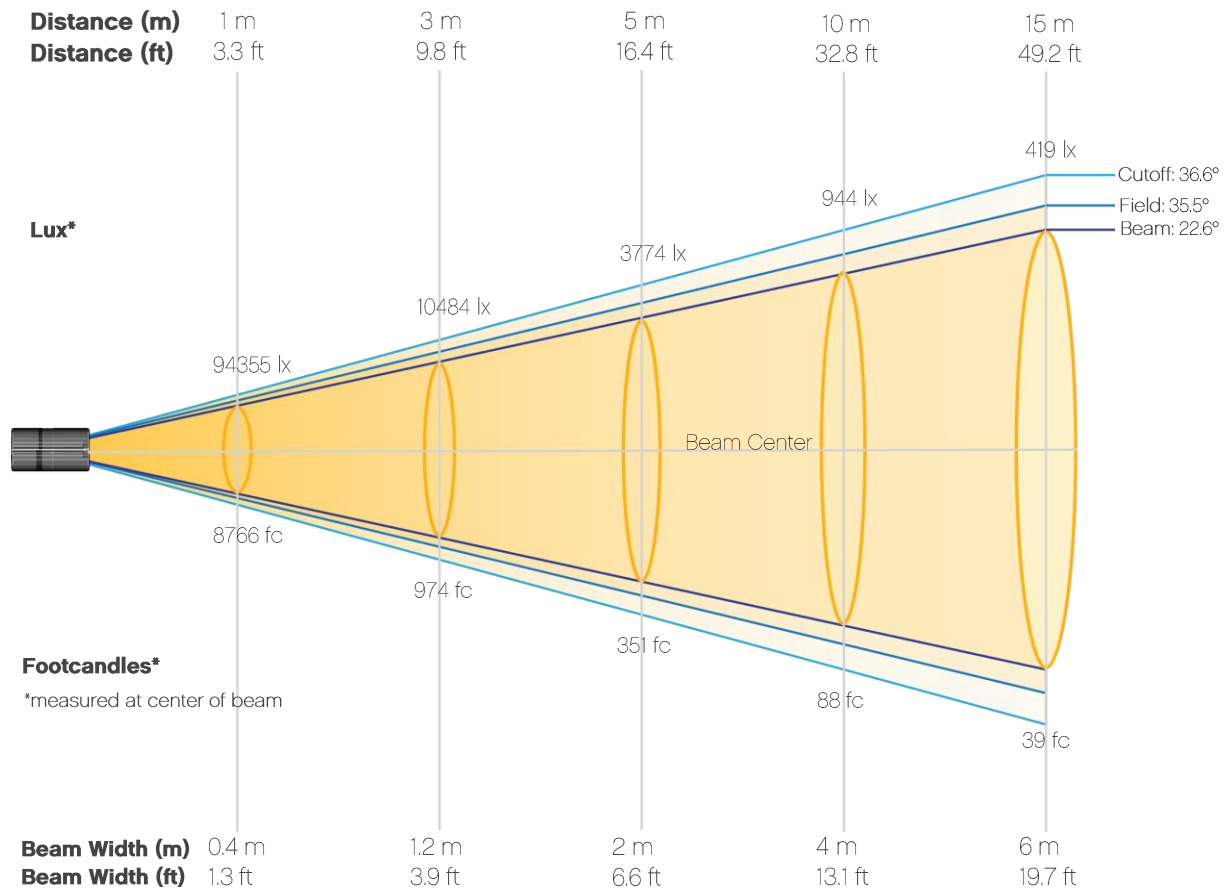
CIE 1931



Photometric Report

Ovation E-260CW: 36deg Lens, Full Power

Beam Details

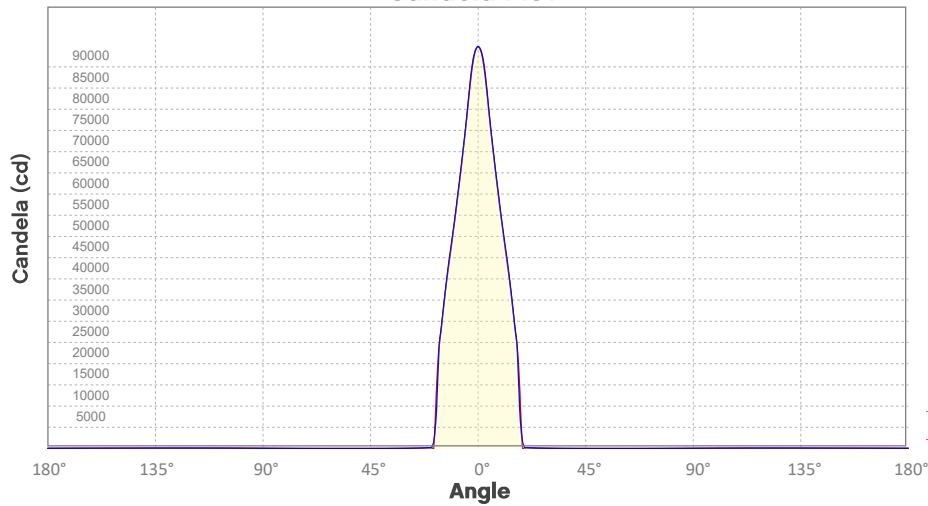


Beam luminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	94355	23589	10484	5897	3774	2621	1926	1474	1165	944
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	780	655	558	481	419	369	326	291	261	236
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8766	2191	974	548	351	243	179	137	108	88
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	72	61	52	45	39	34	30	27	24	22

Photometric Report

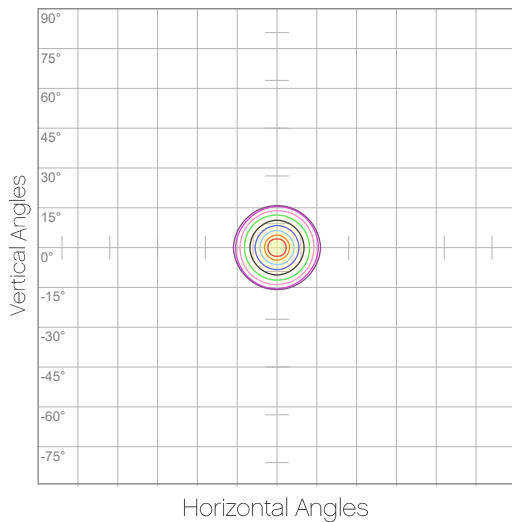
Ovation E-260CW: 36deg Lens, Full Power
Candela Plot



Beam Angle (50%): 22.6°
Field Angle (10%): 35°
Cutoff Angle (3%): 36.5°

— Horizontal Distribution
— Vertical Distribution

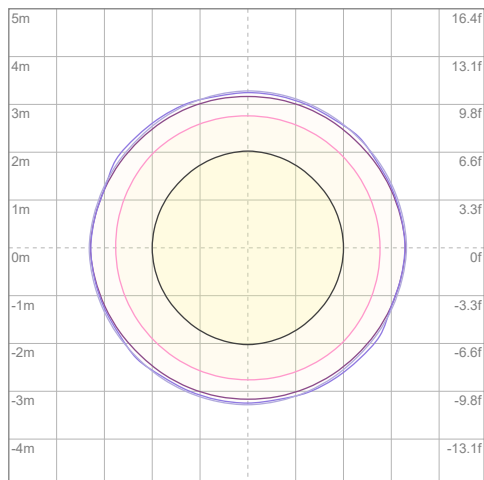
Polar Diagrams



iso-candela Diagram

10%	9435 cd
20%	18871 cd
30%	28306 cd
40%	37742 cd
50%	47177 cd
60%	56613 cd
70%	66048 cd
80%	75484 cd
90%	84919 cd

Conditions:
Number of c-planes: 8
Candela at center: 94355 cd



iso-illuminance Diagram

3%	28.3 lx
5%	47.2 lx
10%	94.4 lx
30%	283 lx
50%	472 lx

Conditions:
Number of c-planes: 8
Lux at center: 944 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 E-260CW: 26deg Lens, Full Power

Report Summary

Output

Total Lumens: 14038 lm
Peak Intensity: 152381 cd
Illuminance @ 5m: 6068 lux
Fixture Efficacy: 60 lm/W

Optical

Horizontal Beam Angle (50%): 18.3°
Vertical Beam Angle (50%): 18.2°
Horizontal Field Angle (10%): 27.1°
Vertical Field Angle (10%): 26.8°
Horizontal Cutoff Angle (3%): 27.8°
Vertical Cutoff Angle (3%): 28.7°

Conditions

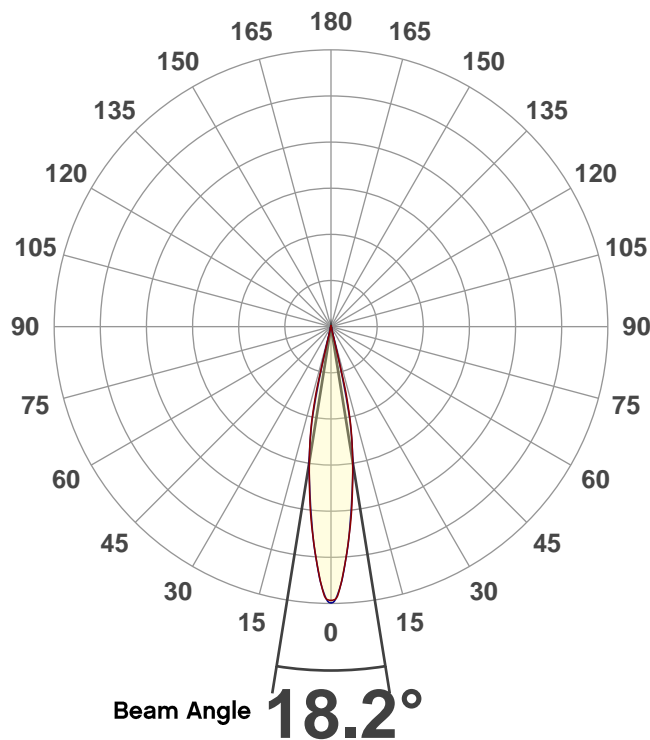
AC Supply: 118 V, 60 Hz
Power: 235.89 W
Current: 1.99 A
Power Factor: 0.99



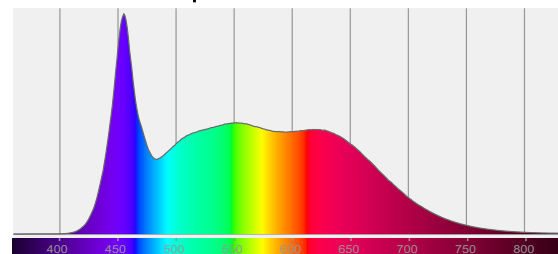
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Overall Measurement

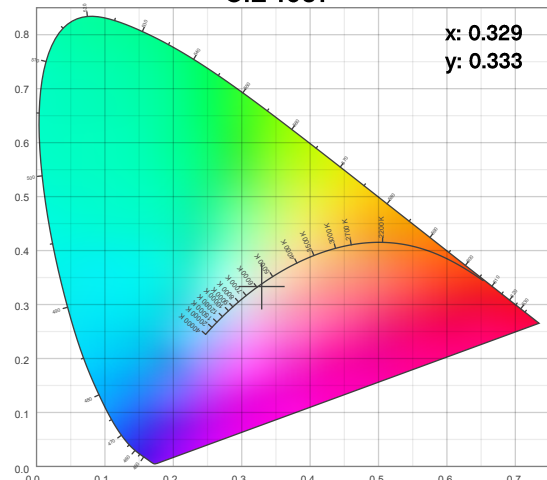
Angular Beam Distribution



Spectral Distribution



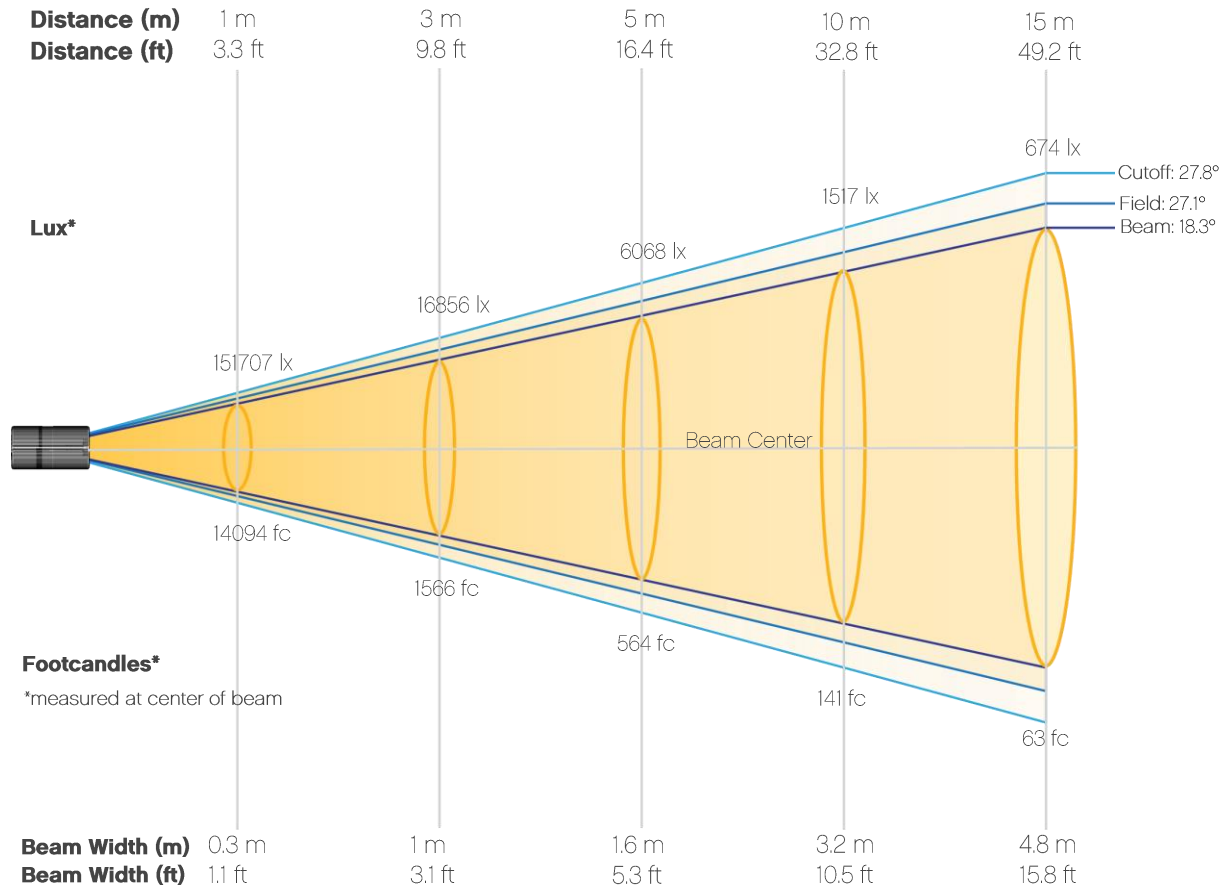
CIE 1931



Photometric Report

Ovation E-260CW: 26deg Lens, Full Power

Beam Details

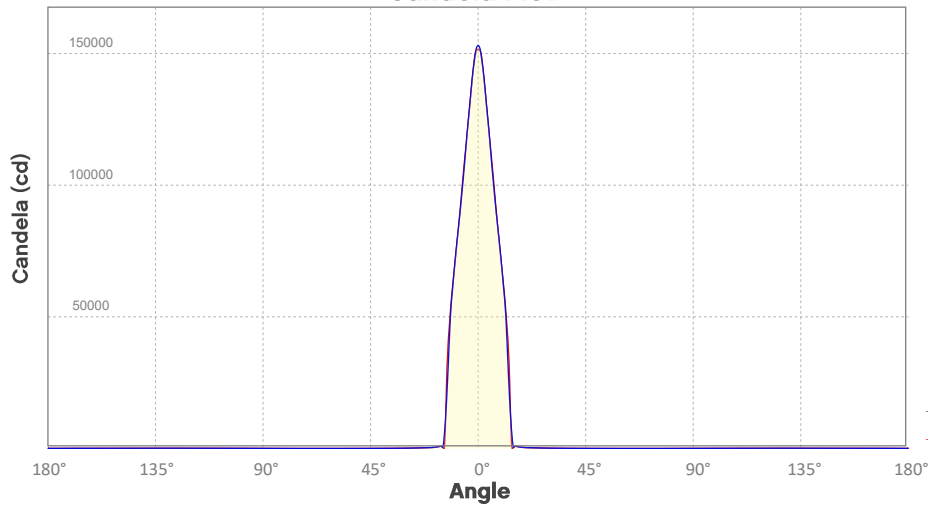


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	151707	37927	16856	9482	6068	4214	3096	2370	1873	1517
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1254	1054	898	774	674	593	525	468	420	379
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14094	3524	1566	881	564	392	288	220	174	141
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	116	98	83	72	63	55	49	44	39	35

Photometric Report

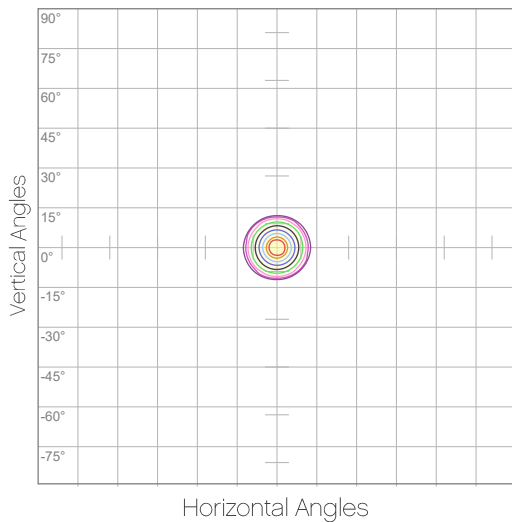
Ovation E-260CW: 26deg Lens, Full Power
Candela Plot



Beam Angle (50%): 18.2°
Field Angle (10%): 27°
Cutoff Angle (3%): 28.4°

— Horizontal Distribution
— Vertical Distribution

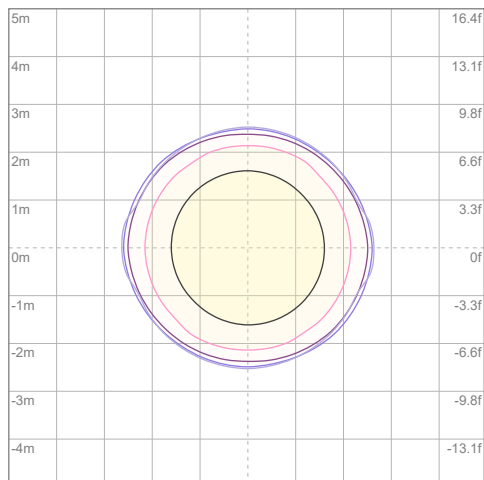
Polar Diagrams



iso-candela Diagram

10%	15171 cd
20%	30341 cd
30%	45512 cd
40%	60683 cd
50%	75854 cd
60%	91024 cd
70%	106195 cd
80%	121366 cd
90%	136536 cd

Conditions:
Number of c-planes: 8
Candela at center: 151707 cd



iso-illuminance Diagram

3%	45.5 lx
5%	75.9 lx
10%	152 lx
30%	455 lx
50%	759 lx

Conditions:
Number of c-planes: 8
Lux at center: 1517 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 E-260CW: 19deg Lens, Full Power

Report Summary

Output

Total Lumens: 11357 lm
Peak Intensity: 211039 cd
Illuminance @ 5m: 8435 lux
Fixture Efficacy: 49 lm/W

Optical

Horizontal Beam Angle (50%): 14.6°
Vertical Beam Angle (50%): 14.8°
Horizontal Field Angle (10%): 19.9°
Vertical Field Angle (10%): 19.4°
Horizontal Cutoff Angle (3%): 20.3°
Vertical Cutoff Angle (3%): 20.3°

Conditions

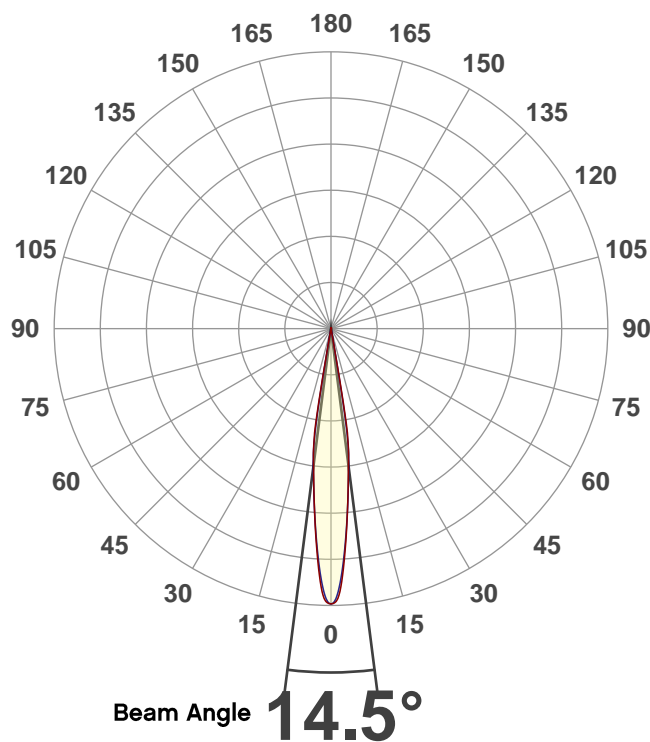
AC Supply: 120 V, 60.1 Hz
Power: 234.92 W
Current: 1.96 A
Power Factor: 0.99



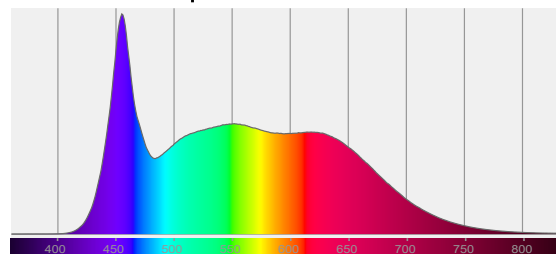
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Overall Measurement

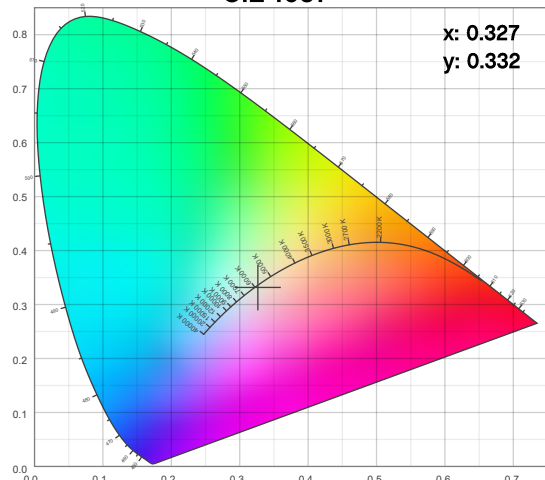
Angular Beam Distribution



Spectral Distribution



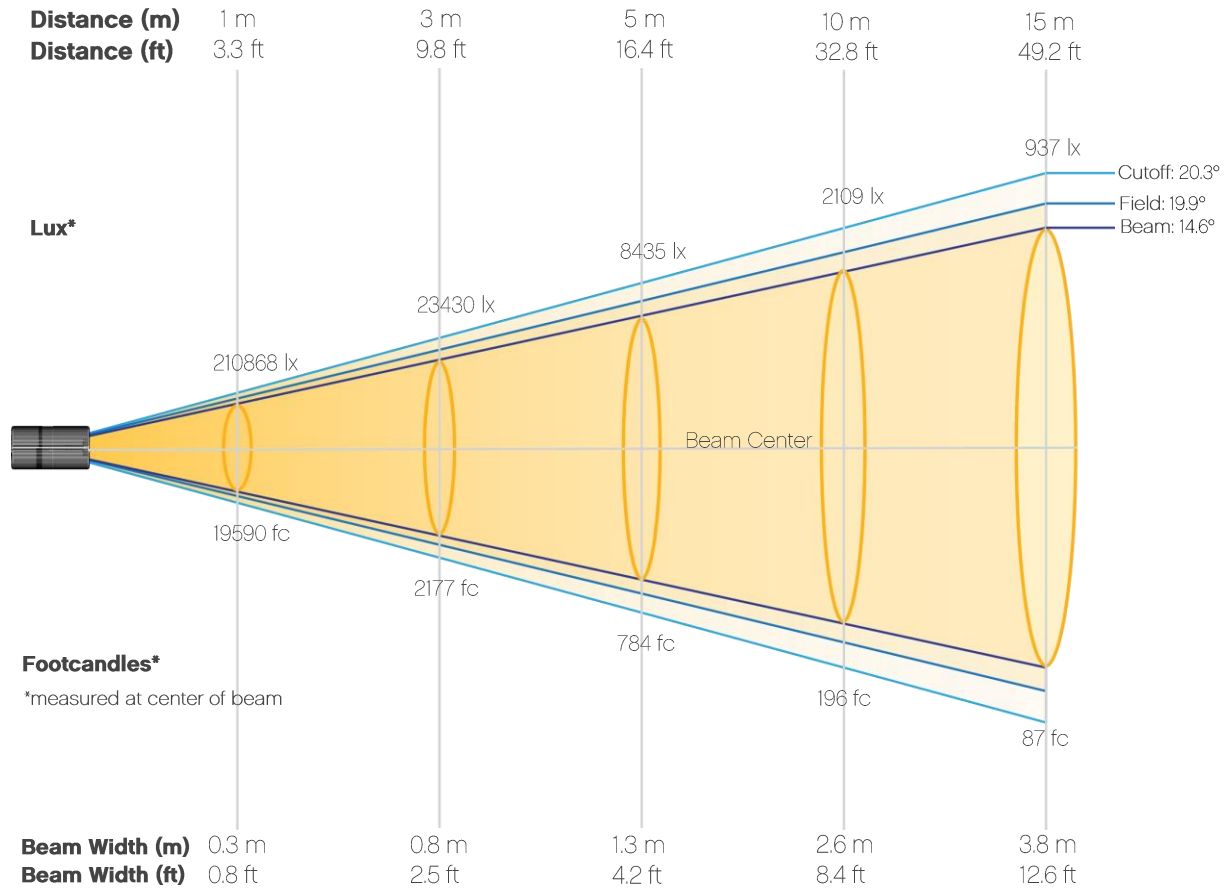
CIE 1931



Photometric Report

Ovation E-260CW: 19deg Lens, Full Power

Beam Details

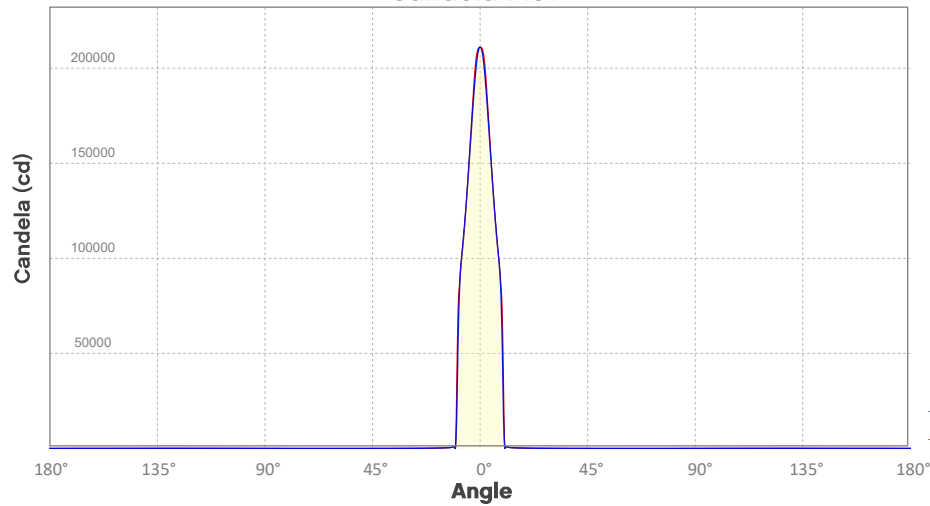


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	210868	52717	23430	13179	8435	5857	4303	3295	2603	2109
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1743	1464	1248	1076	937	824	730	651	584	527
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	19590	4898	2177	1224	784	544	400	306	242	196
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	162	136	116	100	87	77	68	60	54	49

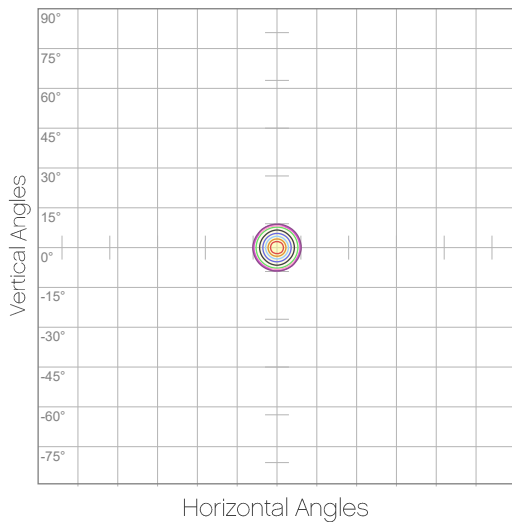
Photometric Report

Ovation E-260CW: 19deg Lens, Full Power
Candela Plot



Beam Angle (50%): 14.5°
Field Angle (10%): 19.6°
Cutoff Angle (3%): 20.3°

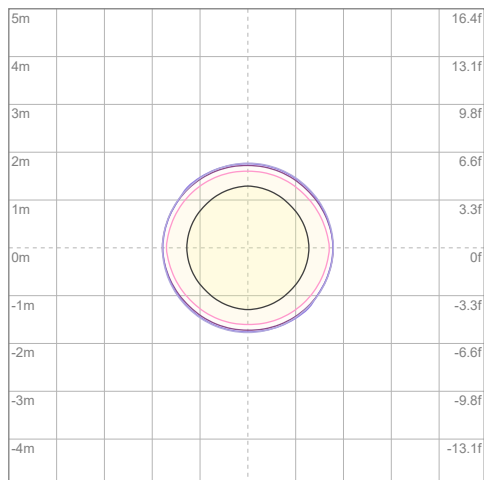
Polar Diagrams



iso-candela Diagram

10%	21087 cd
20%	42174 cd
30%	63260 cd
40%	84347 cd
50%	105434 cd
60%	126521 cd
70%	147607 cd
80%	168694 cd
90%	189781 cd

Conditions:
Number of c-planes: 8
Candela at center: 210868 cd



iso-illuminance Diagram

3%	63.3 lx
5%	105 lx
10%	211 lx
30%	633 lx
50%	1054 lx

Conditions:
Number of c-planes: 8
Lux at center: 2109 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 E-260CW: 14deg Lens, Full Power

Report Summary

Output

Total Lumens: 11598 lm
Peak Intensity: 329484 cd
Illuminance @ 5m: 13179 lux
Fixture Efficacy: 51 lm/W

Optical

Horizontal Beam Angle (50%): 11.3°
Vertical Beam Angle (50%): 11.3°
Horizontal Field Angle (10%): 15.7°
Vertical Field Angle (10%): 15.7°
Horizontal Cutoff Angle (3%): 17.8°
Vertical Cutoff Angle (3%): 17.8°

Conditions

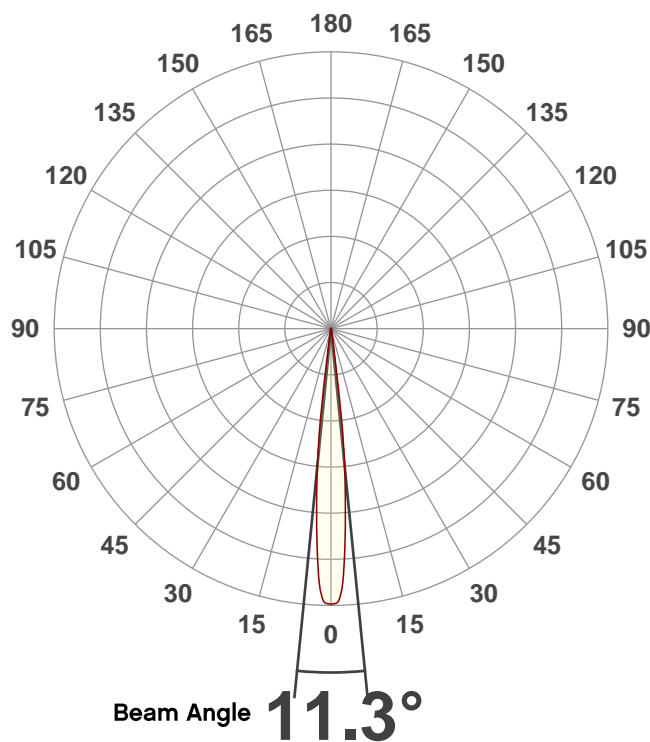
AC Supply: 119 V, 60 Hz
Power: 229.39 W
Current: 1.92 A
Power Factor: 0.99



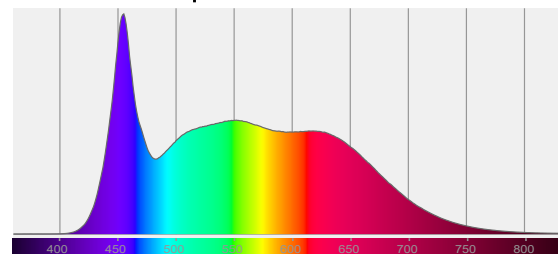
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Overall Measurement

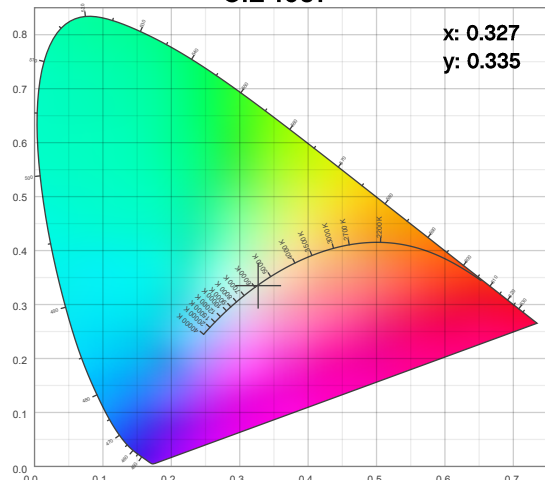
Angular Beam Distribution



Spectral Distribution



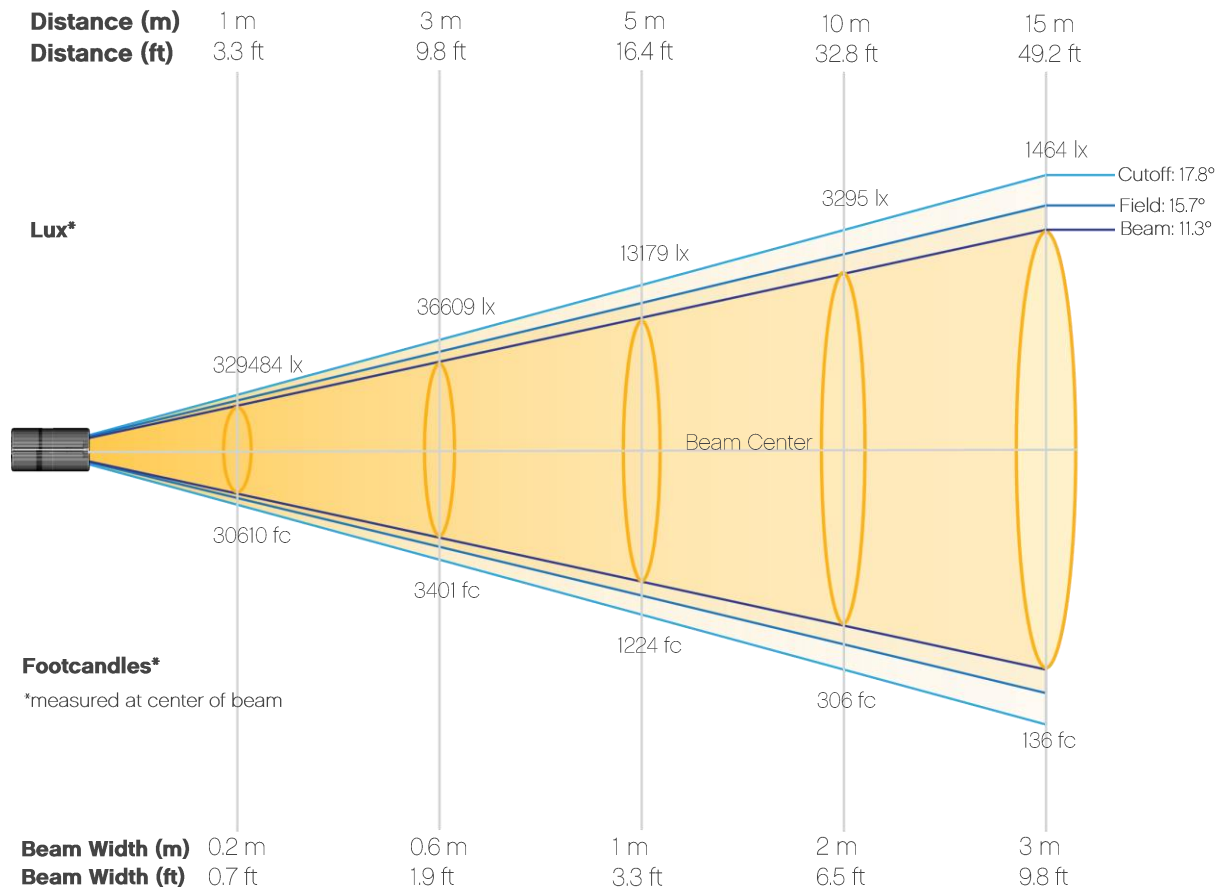
CIE 1931



Photometric Report

Ovation E-260CW: 14deg Lens, Full Power

Beam Details

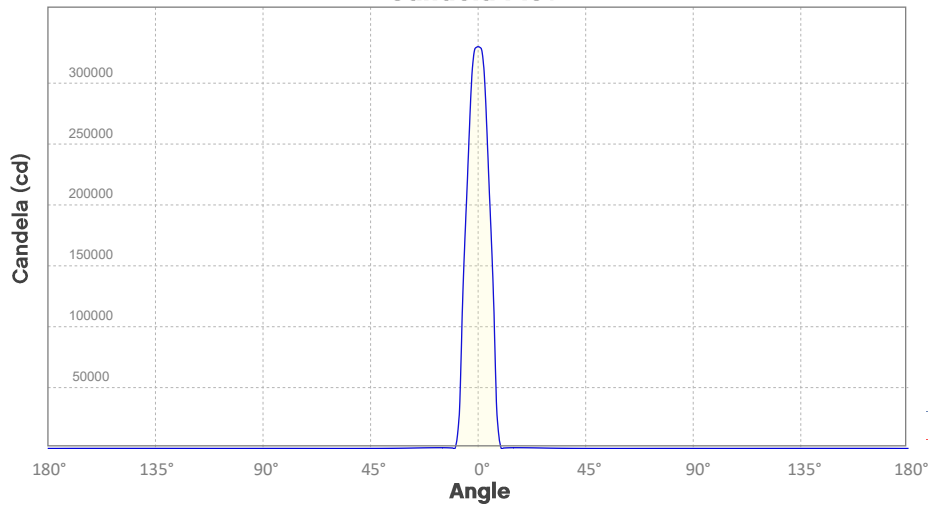


Beam luminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	329484	82371	36609	20593	13179	9152	6724	5148	4068	3295
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2723	2288	1950	1681	1464	1287	1140	1017	913	824
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	30610	7653	3401	1913	1224	850	625	478	378	306
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	253	213	181	156	136	120	106	94	85	77

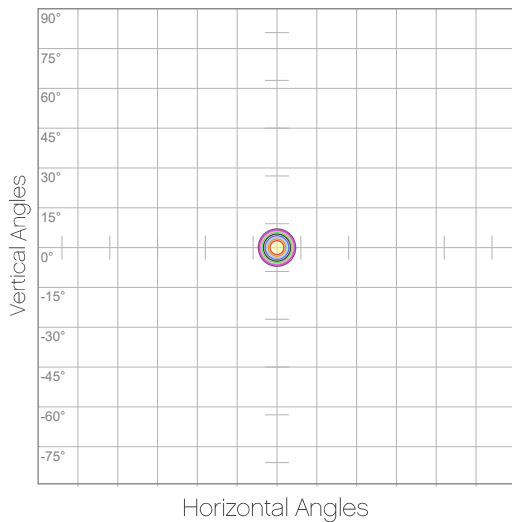
Photometric Report

Ovation E-260CW: 14deg Lens, Full Power
Candela Plot



Beam Angle (50%): 11.3°
Field Angle (10%): 15.7°
Cutoff Angle (3%): 17.8°

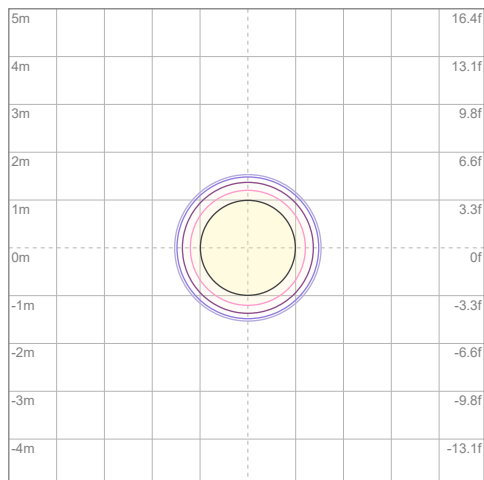
Polar Diagrams



iso-candela Diagram

10%	32948 cd
20%	65897 cd
30%	98845 cd
40%	131793 cd
50%	164742 cd
60%	197690 cd
70%	230638 cd
80%	263587 cd
90%	296535 cd

Conditions:
Number of c-planes: 2
Candela at center: 329484 cd



iso-illuminance Diagram

3%	98.8 lx
5%	165 lx
10%	329 lx
30%	988 lx
50%	1647 lx

Conditions:
Number of c-planes: 2
Lux at center: 3295 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 E-260CW: 10deg Lens, Full Power

Report Summary

Output

Total Lumens: 11175 lm
Peak Intensity: 604460 cd
Illuminance @ 5m: 24141 lux
Fixture Efficacy: 49 lm/W

Optical

Horizontal Beam Angle (50%): 7.9°
Vertical Beam Angle (50%): 7.9°
Horizontal Field Angle (10%): 11.7°
Vertical Field Angle (10%): 11.7°
Horizontal Cutoff Angle (3%): 12.4°
Vertical Cutoff Angle (3%): 12.4°

Conditions

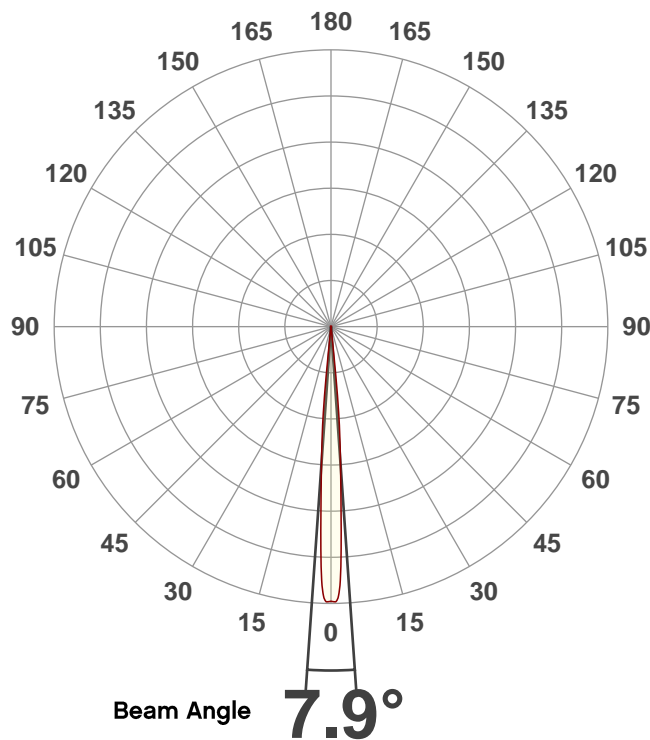
AC Supply: 119 V, 60 Hz
Power: 228.94 W
Current: 1.92 A
Power Factor: 0.99



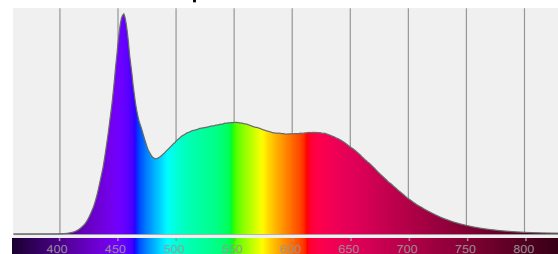
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Overall Measurement

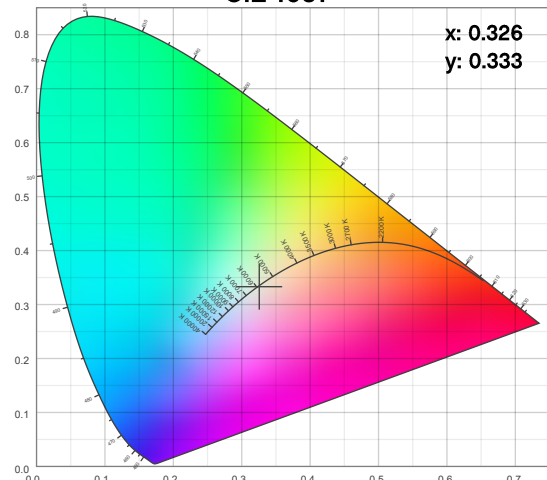
Angular Beam Distribution



Spectral Distribution



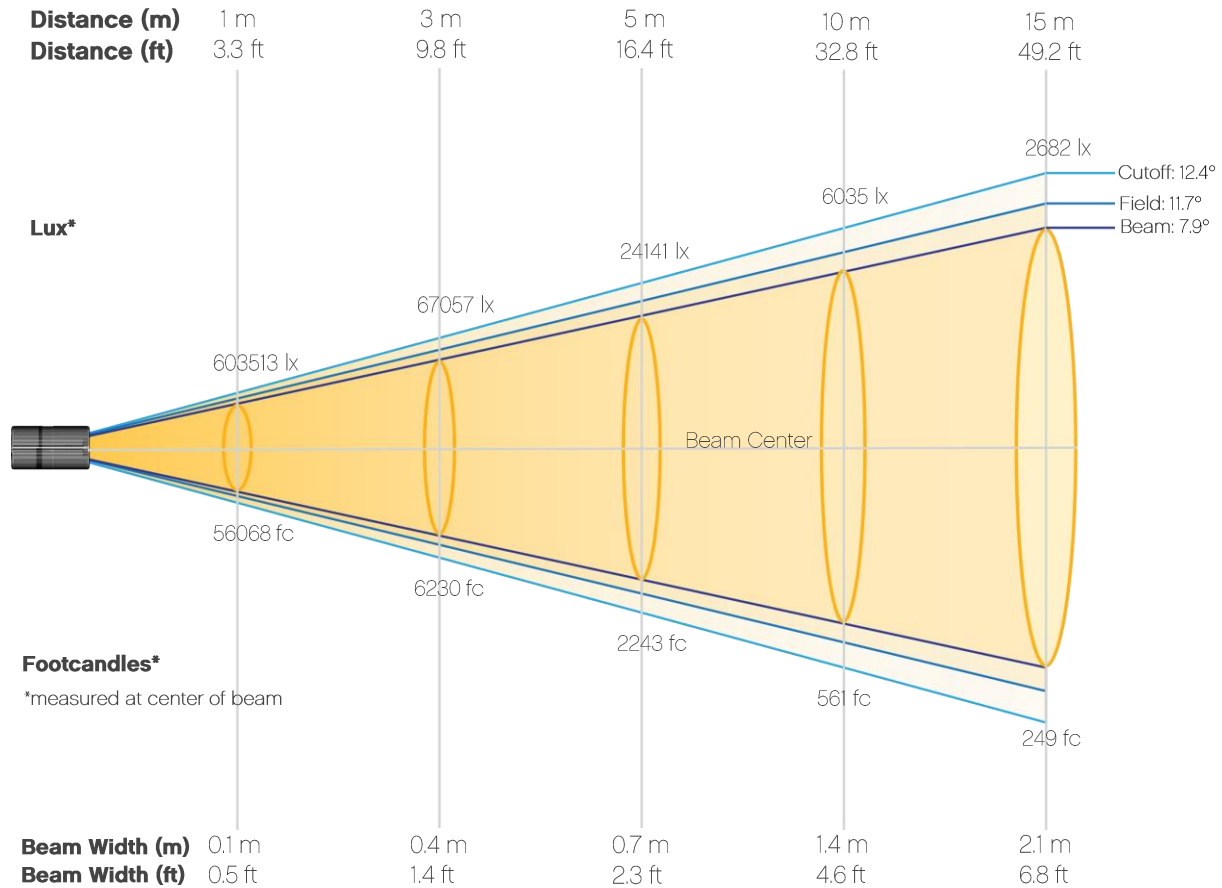
CIE 1931



Photometric Report

Ovation E-260CW: 10deg Lens, Full Power

Beam Details

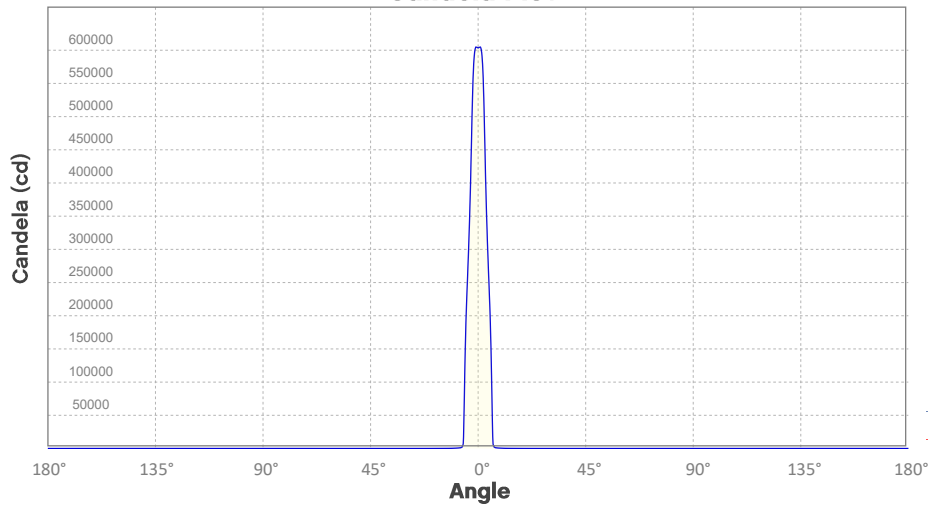


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	603513	150878	67057	37720	24141	16764	12317	9430	7451	6035
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	4988	4191	3571	3079	2682	2357	2088	1863	1672	1509
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	56068	14017	6230	3504	2243	1557	1144	876	692	561
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	463	389	332	286	249	219	194	173	155	140

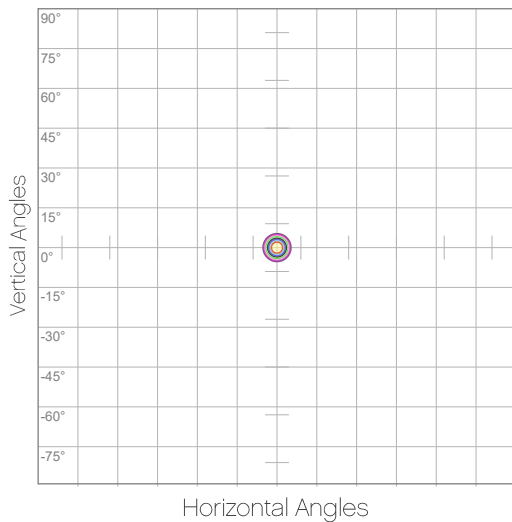
Photometric Report

Ovation E-260CW: 10deg Lens, Full Power
Candela Plot



Beam Angle (50%): 7.9°
Field Angle (10%): 11.7°
Cutoff Angle (3%): 12.4°

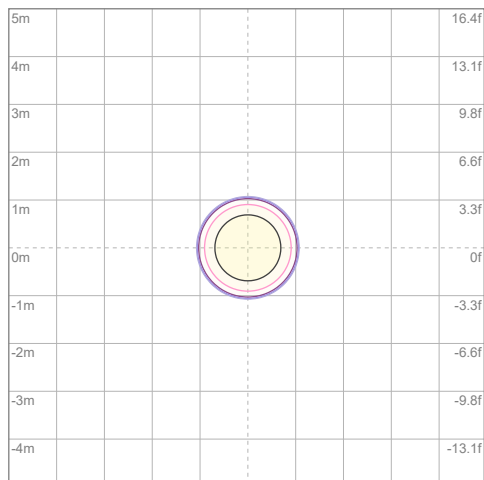
Polar Diagrams



iso-candela Diagram

10%	60351 cd
20%	120703 cd
30%	181054 cd
40%	241405 cd
50%	301756 cd
60%	362108 cd
70%	422459 cd
80%	482810 cd
90%	543161 cd

Conditions:
Number of c-planes: 2
Candela at center: 603513 cd



iso-illuminance Diagram

3%	181 lx
5%	302 lx
10%	604 lx
30%	1811 lx
50%	3018 lx

Conditions:
Number of c-planes: 2
Lux at center: 6035 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 E-260CW: 5deg Lens, Full Power

Report Summary

Output

Total Lumens: 10956 lm
Peak Intensity: 1126051 cd
Illuminance @ 5m: 45042 lux
Fixture Efficacy: 48 lm/W

Optical

Horizontal Beam Angle (50%): 5.9°
Vertical Beam Angle (50%): 5.9°
Horizontal Field Angle (10%): 8.2°
Vertical Field Angle (10%): 8.2°
Horizontal Cutoff Angle (3%): 9.3°
Vertical Cutoff Angle (3%): 9.3°

Conditions

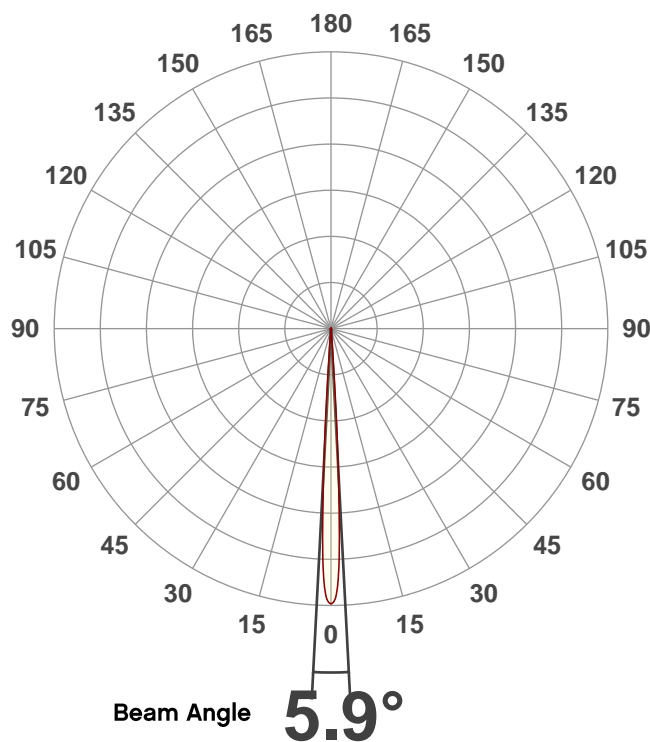
AC Supply: 119 V, 60.1 Hz
Power: 228.65 W
Current: 1.92 A
Power Factor: 0.99



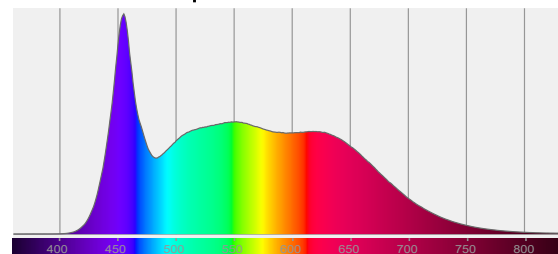
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Overall Measurement

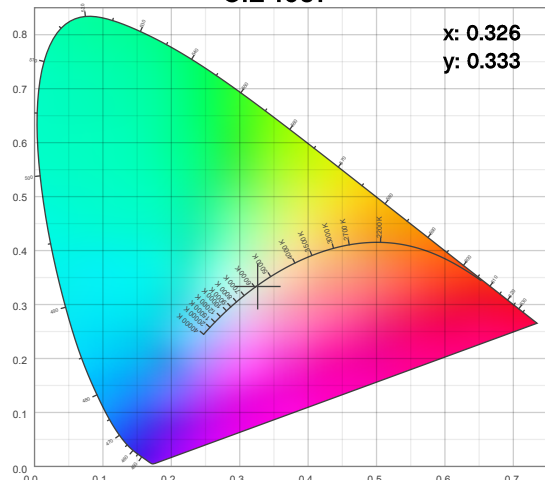
Angular Beam Distribution



Spectral Distribution



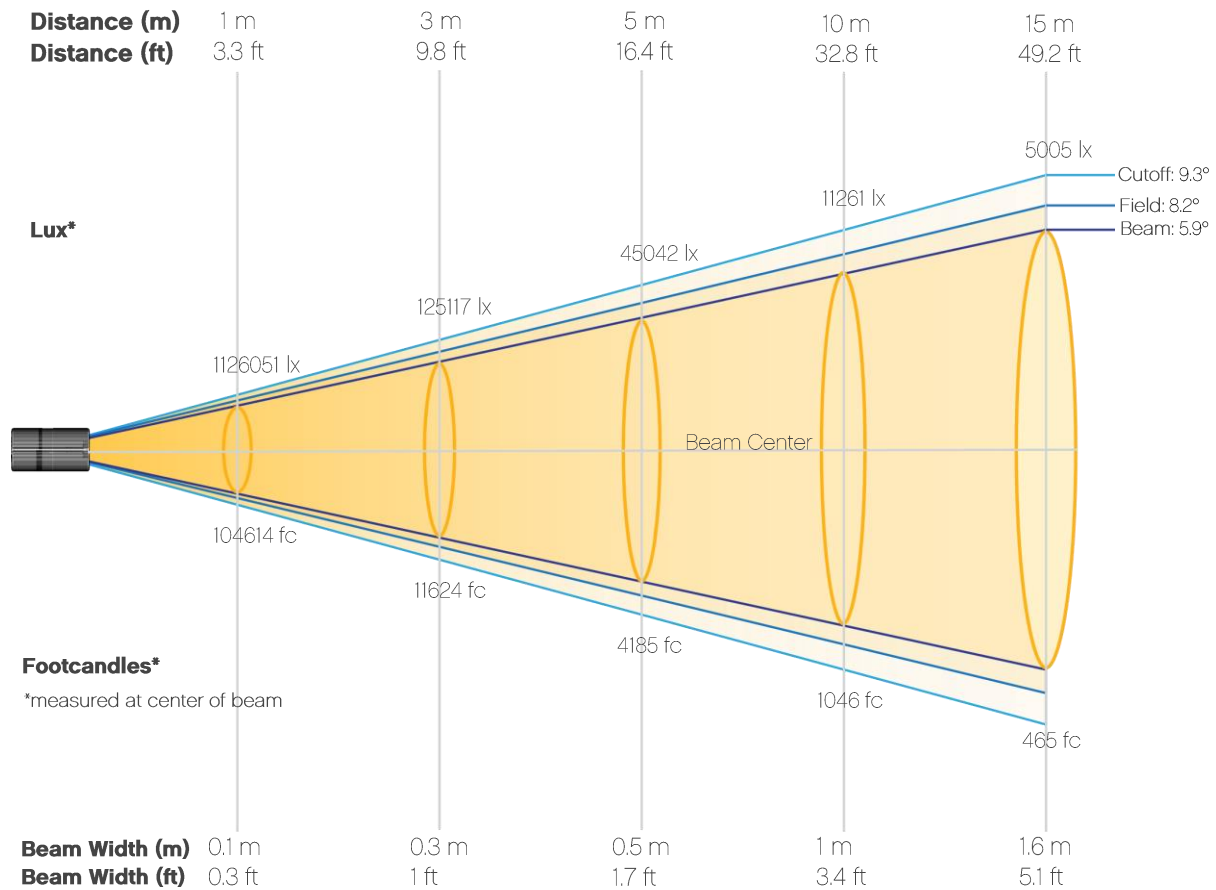
CIE 1931



Photometric Report

Ovation E-260CW: 5deg Lens, Full Power

Beam Details



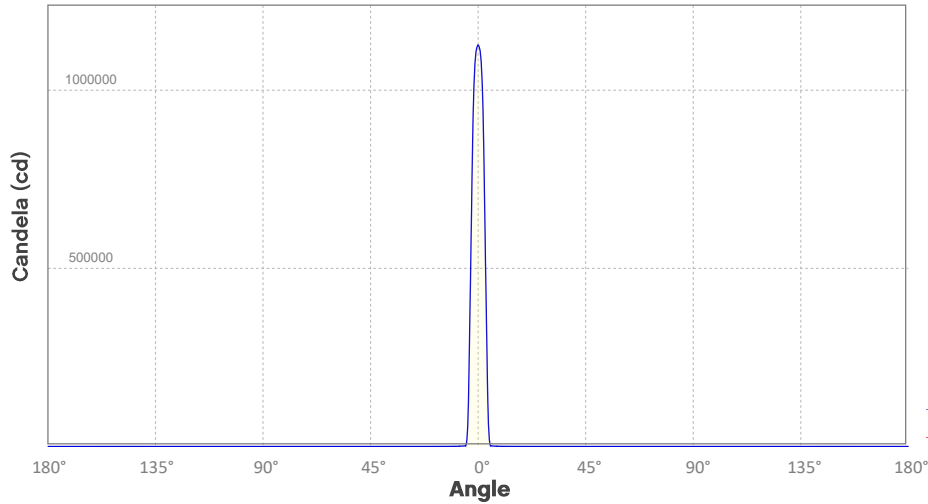
Beam luminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1126051	281513	125117	70378	45042	31279	22981	17595	13902	11261
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	9306	7820	6663	5745	5005	4399	3896	3475	3119	2815
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	104614	26153	11624	6538	4185	2906	2135	1635	1292	1046
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	865	726	619	534	465	409	362	323	290	262

Photometric Report

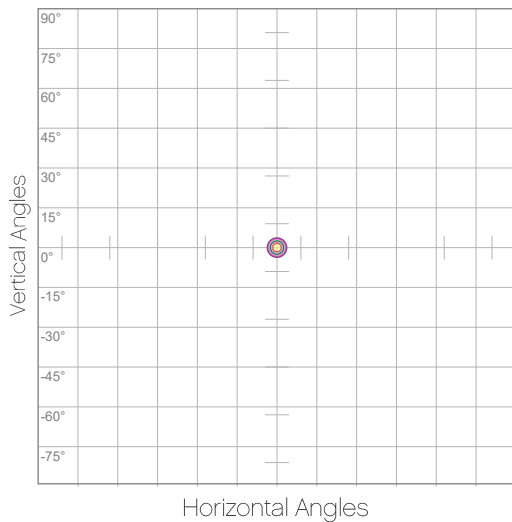
Ovation E-260CW: 5deg Lens, Full Power

Candela Plot



Beam Angle (50%): 5.9°
Field Angle (10%): 8.2°
Cutoff Angle (3%): 9.3°

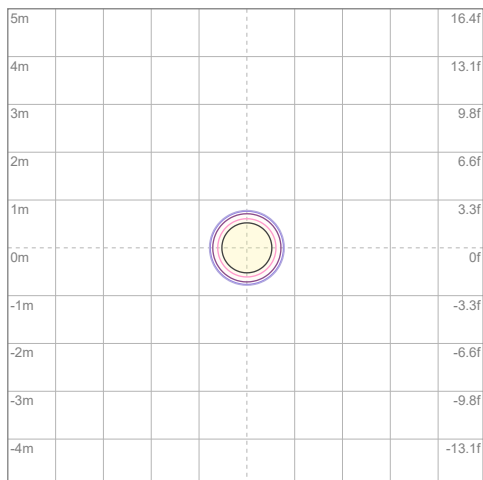
Polar Diagrams



iso-candela Diagram

10%	112605 cd
20%	225210 cd
30%	337815 cd
40%	450420 cd
50%	563025 cd
60%	675631 cd
70%	788236 cd
80%	900841 cd
90%	1013446 cd

Conditions:
Number of c-planes: 2
Candela at center: 1126051 cd



iso-illuminance Diagram

3%	338 lx
5%	563 lx
10%	1126 lx
30%	3378 lx
50%	5630 lx

Conditions:
Number of c-planes: 2
Lux at center: 11.3K 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 E-260CW: 25-50 Zoom Lens-50deg , Full Power

Report Summary

Output

Total Lumens: 14165 lm
Peak Intensity: 68892 cd
Illuminance @ 5m: 2756 lux
Fixture Efficacy: 62 lm/W

Optical

Horizontal Beam Angle (50%): 26.2°
Vertical Beam Angle (50%): 26.2°
Horizontal Field Angle (10%): 41.8°
Vertical Field Angle (10%): 41.8°
Horizontal Cutoff Angle (3%): 44.7°
Vertical Cutoff Angle (3%): 44.7°

Conditions

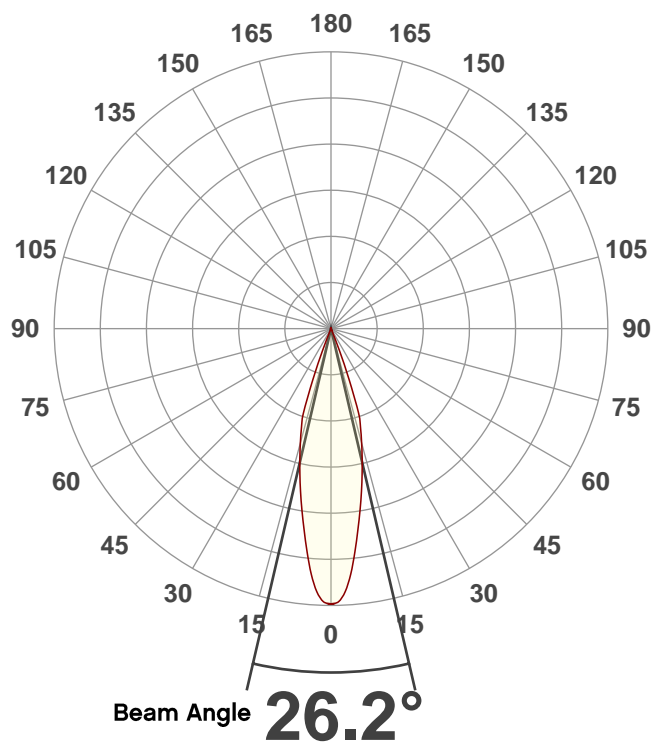
AC Supply: 119 V, 60 Hz
Power: 228.66 W
Current: 1.92 A
Power Factor: 0.99



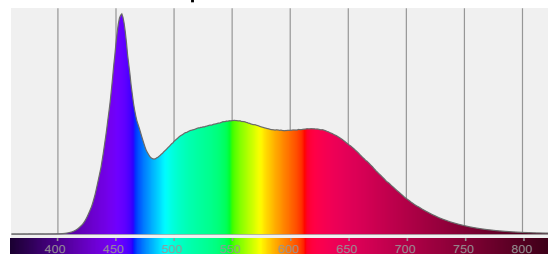
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Overall Measurement

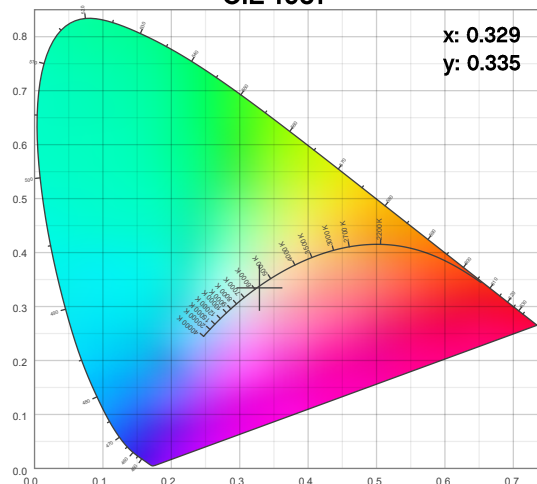
Angular Beam Distribution



Spectral Distribution



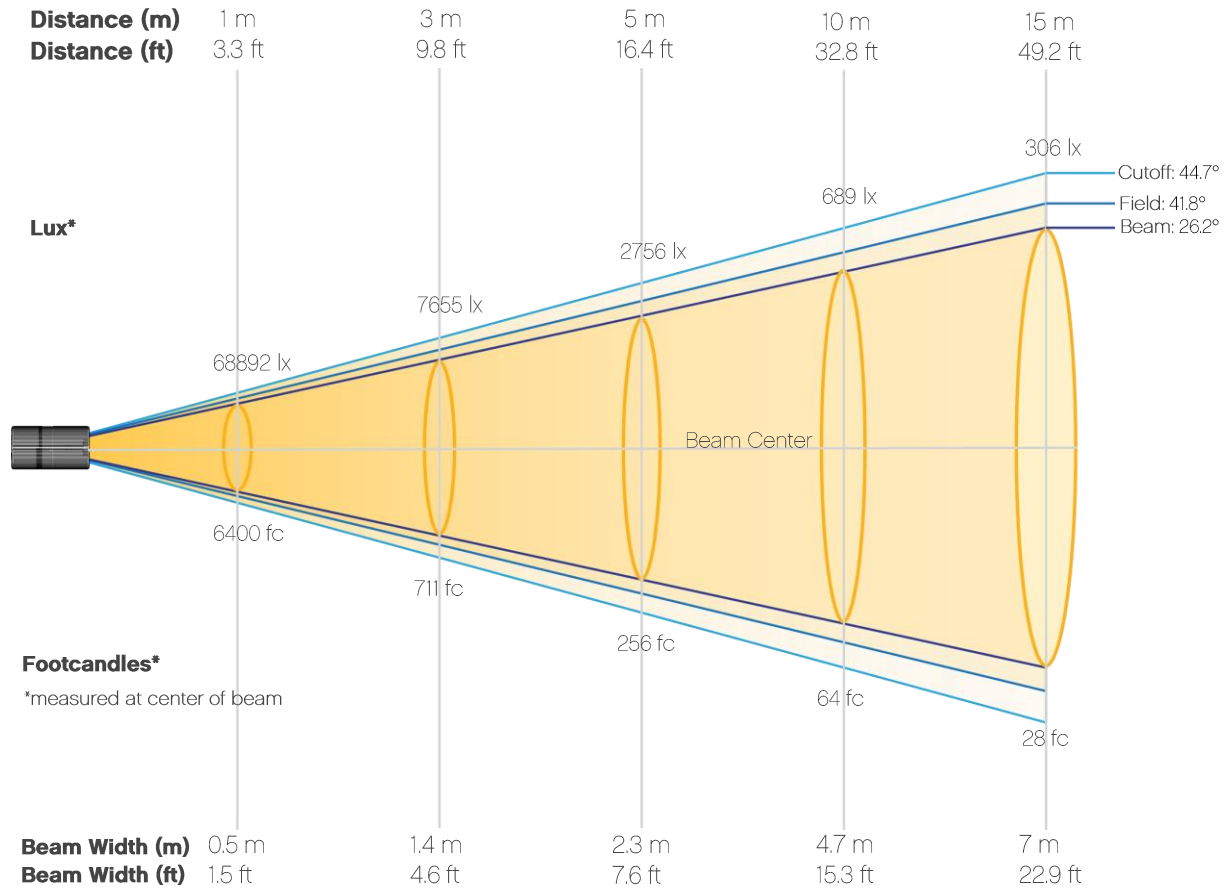
CIE 1931



Photometric Report

Ovation E-260CW: 25-50 Zoom Lens-50deg , Full Power

Beam Details



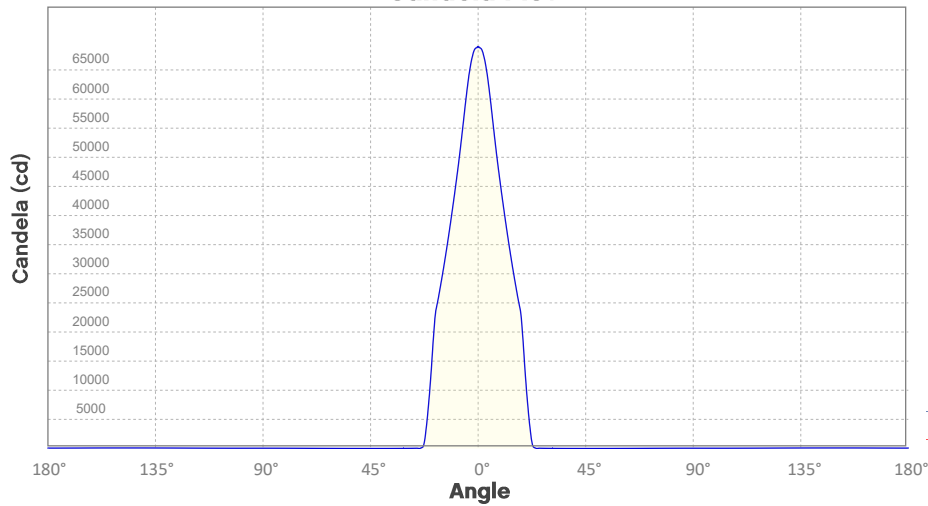
Beam luminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	68892	17223	7655	4306	2756	1914	1406	1076	851	689
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	569	478	408	351	306	269	238	213	191	172
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	6400	1600	711	400	256	178	131	100	79	64
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	53	44	38	33	28	25	22	20	18	16

Photometric Report

Ovation E-260CW: 25-50 Zoom Lens-50deg , Full Power

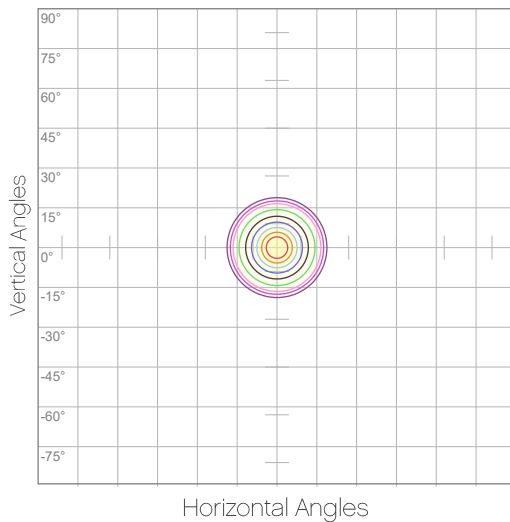
Candela Plot



Beam Angle (50%): 26.2°
Field Angle (10%): 41.8°
Cutoff Angle (3%): 44.7°

— Horizontal Distribution
 — Vertical Distribution

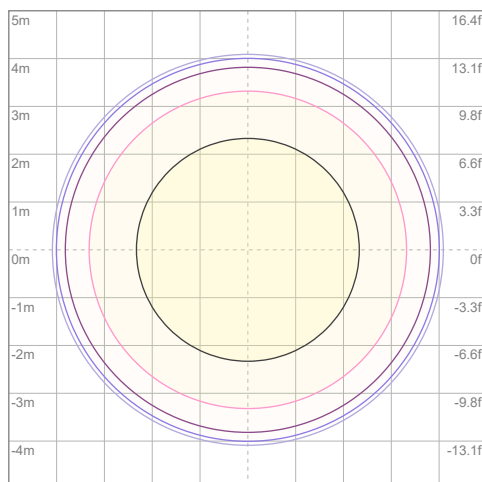
Polar Diagrams



iso-candela Diagram

10%	6889 cd
20%	13778 cd
30%	20667 cd
40%	27557 cd
50%	34446 cd
60%	41335 cd
70%	48224 cd
80%	55113 cd
90%	62002 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 68892 cd



iso-illuminance Diagram

3%	20.7 lx
5%	34.4 lx
10%	68.9 lx
30%	207 lx
50%	344 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 689 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 E-260CW: 25-50 Zoom Lens-25deg , Full Power

Report Summary

Output

Total Lumens: 13545 lm
Peak Intensity: 144926 cd
Illuminance @ 5m: 5797 lux
Fixture Efficacy: 59 lm/W

Optical

Horizontal Beam Angle (50%): 19.5°
Vertical Beam Angle (50%): 19.5°
Horizontal Field Angle (10%): 26.2°
Vertical Field Angle (10%): 26.2°
Horizontal Cutoff Angle (3%): 28.4°
Vertical Cutoff Angle (3%): 28.4°

Conditions

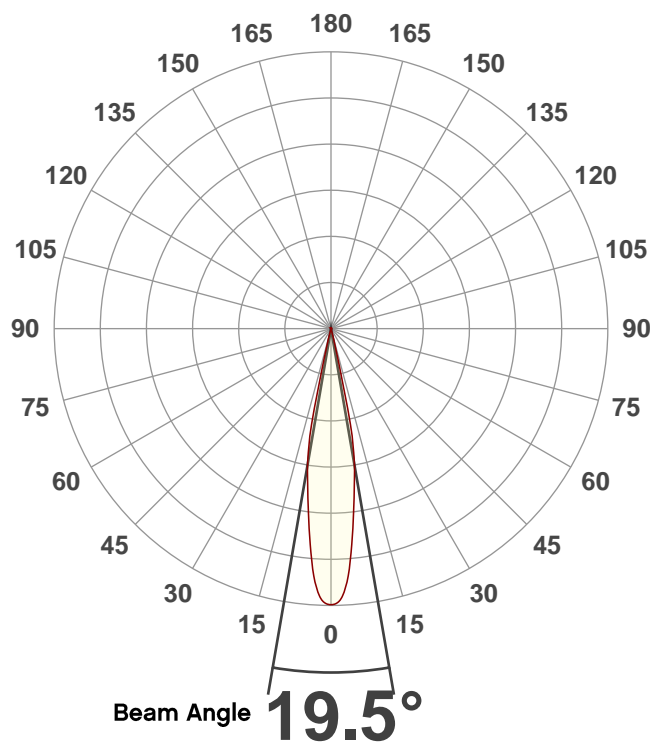
AC Supply: 119 V, 60 Hz
Power: 229.32 W
Current: 1.92 A
Power Factor: 0.99



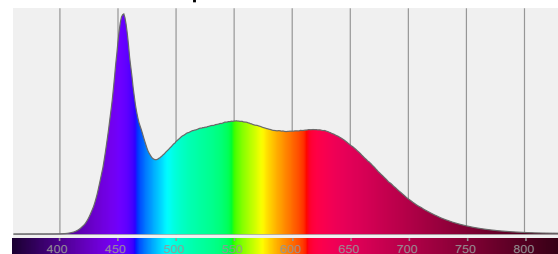
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Overall Measurement

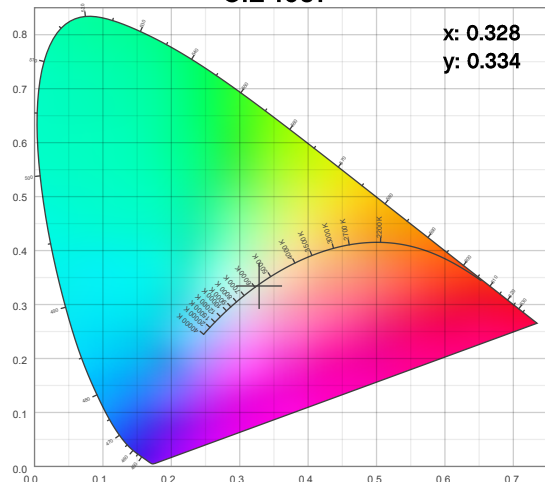
Angular Beam Distribution



Spectral Distribution



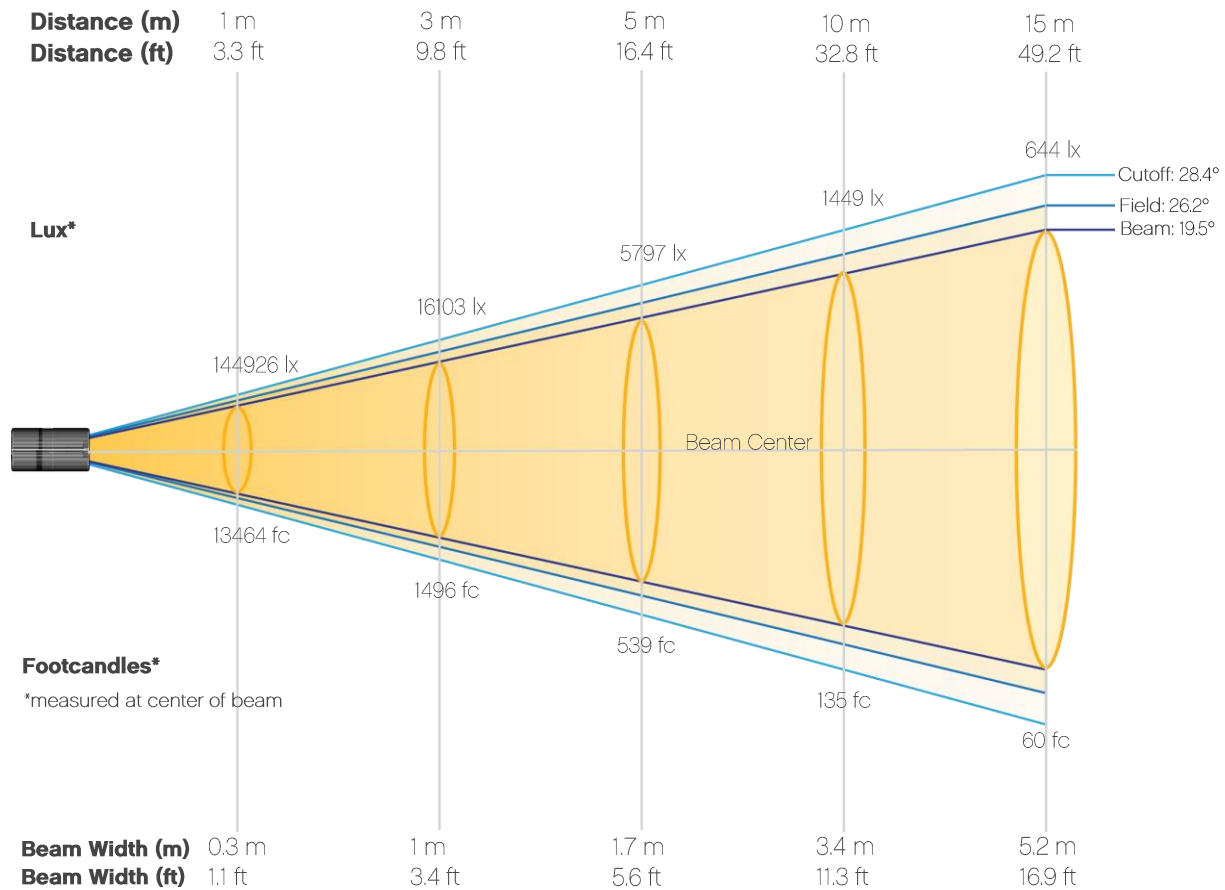
CIE 1931



Photometric Report

Ovation E-260CW: 25-50 Zoom Lens-25deg , Full Power

Beam Details



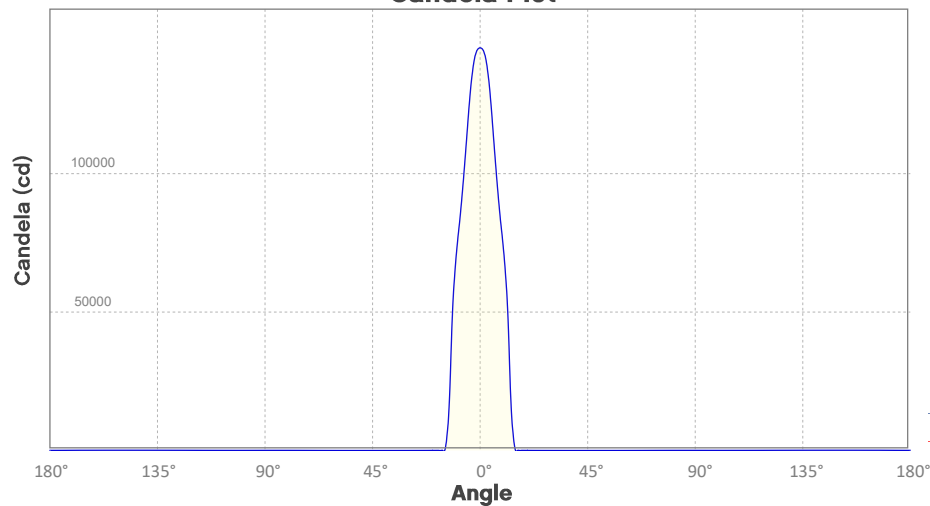
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	144926	36232	16103	9058	5797	4026	2958	2264	1789	1449
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1198	1006	858	739	644	566	501	447	401	362
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	13464	3366	1496	842	539	374	275	210	166	135
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	111	94	80	69	60	53	47	42	37	34

Photometric Report

Ovation E-260CW: 25-50 Zoom Lens-25deg , Full Power

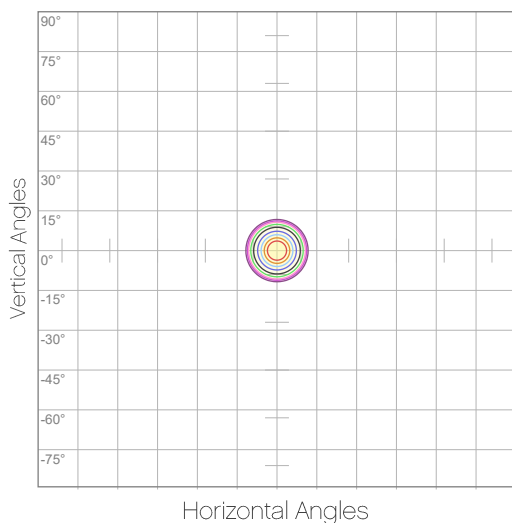
Candela Plot



Beam Angle (50%): 19.5°
Field Angle (10%): 26.2°
Cutoff Angle (3%): 28.4°

— Horizontal Distribution
 — Vertical Distribution

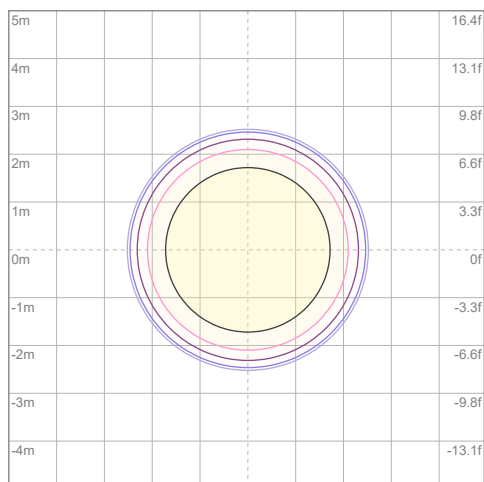
Polar Diagrams



iso-candela Diagram

10%	14493 cd
20%	28985 cd
30%	43478 cd
40%	57971 cd
50%	72463 cd
60%	86956 cd
70%	101448 cd
80%	115941 cd
90%	130434 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 144926 cd



iso-illuminance Diagram

3%	43.5 lx
5%	72.5 lx
10%	145 lx
30%	435 lx
50%	725 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1449 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 E-260CW: 15-30 Zoom Lens-30deg , Full Power

Report Summary

Output

Total Lumens: 12431 lm
Peak Intensity: 153336 cd
Illuminance @ 5m: 6133 lux
Fixture Efficacy: 55 lm/W

Optical

Horizontal Beam Angle (50%): 14.1°
Vertical Beam Angle (50%): 14.1°
Horizontal Field Angle (10%): 29°
Vertical Field Angle (10%): 29°
Horizontal Cutoff Angle (3%): 30.7°
Vertical Cutoff Angle (3%): 30.7°

Conditions

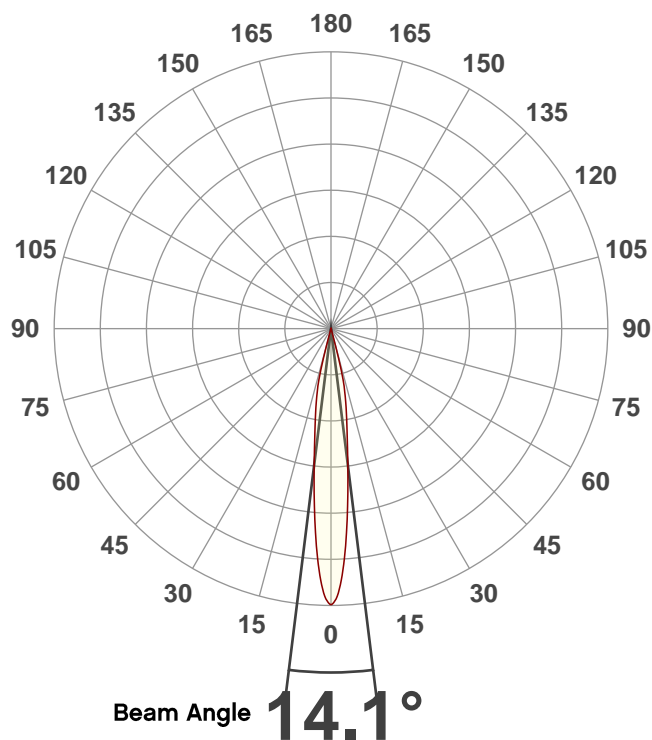
AC Supply: 119 V, 60 Hz
Power: 228.71 W
Current: 1.92 A
Power Factor: 0.99



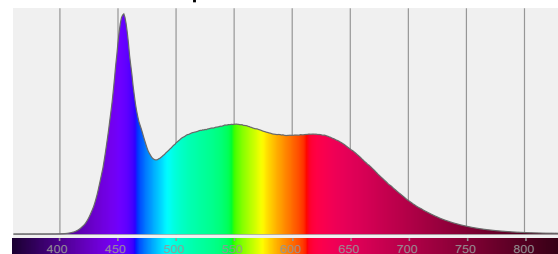
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Overall Measurement

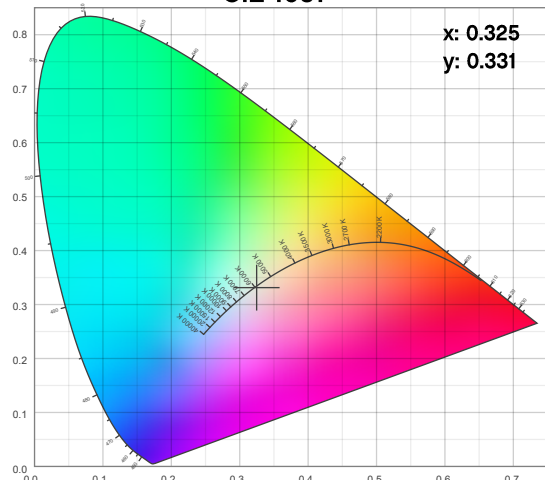
Angular Beam Distribution



Spectral Distribution



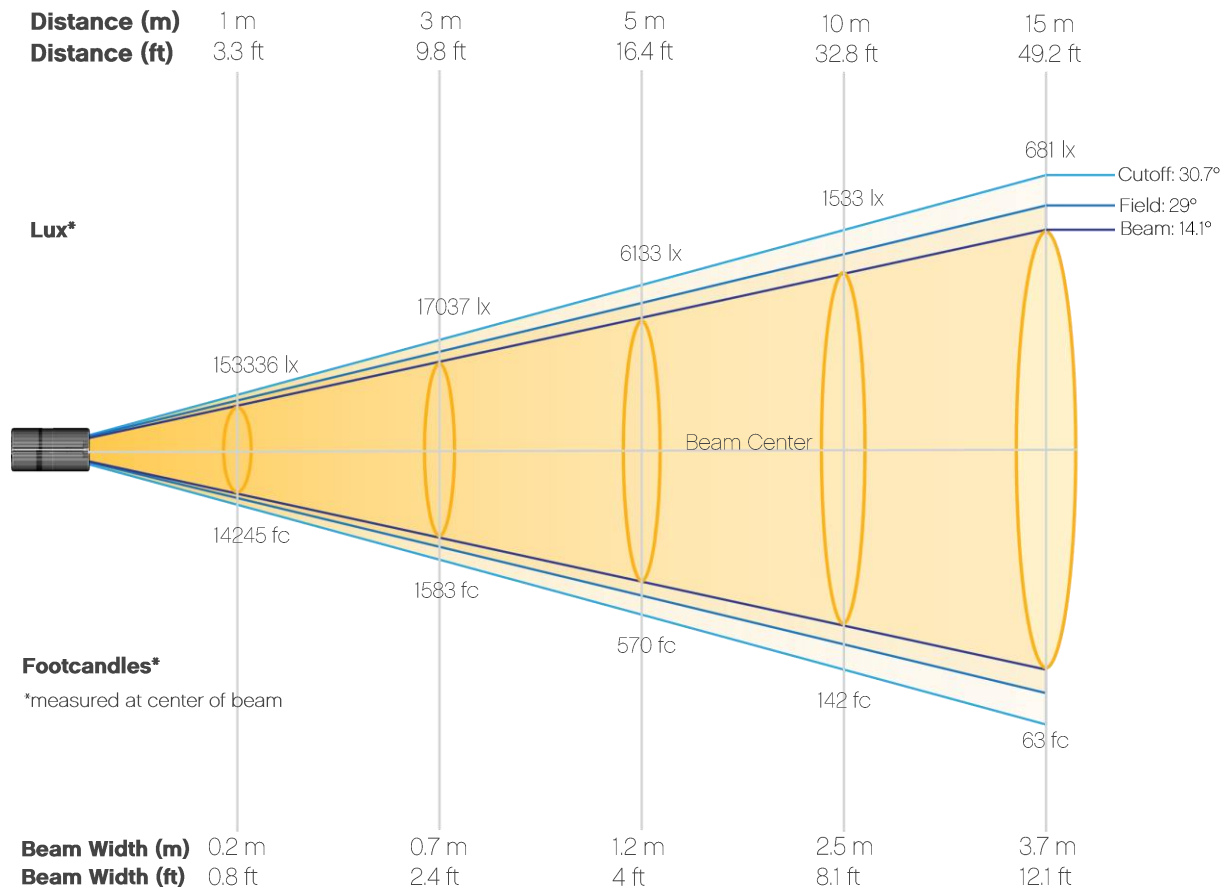
CIE 1931



Photometric Report

Ovation E-260CW: 15-30 Zoom Lens-30deg , Full Power

Beam Details



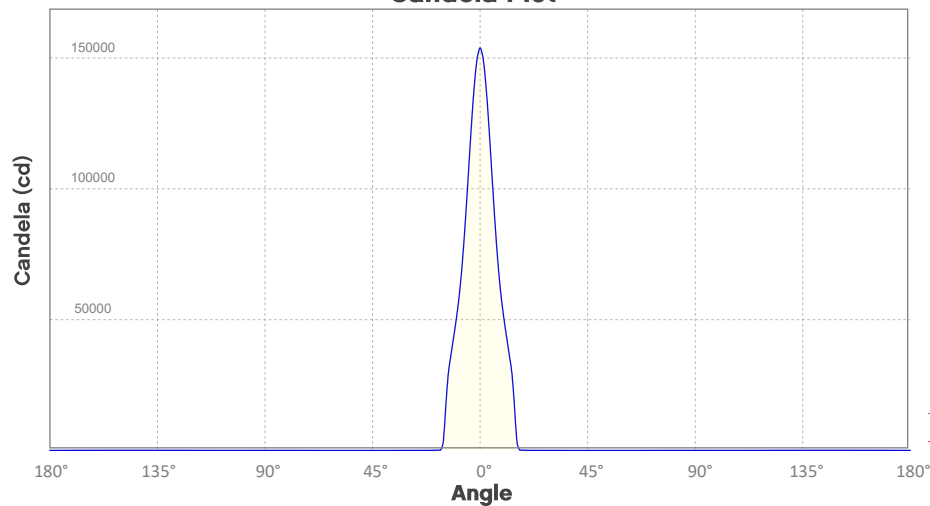
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	153336	38334	17037	9583	6133	4259	3129	2396	1893	1533
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1267	1065	907	782	681	599	531	473	425	383
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14245	3561	1583	890	570	396	291	223	176	142
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	118	99	84	73	63	56	49	44	39	36

Photometric Report

Ovation E-260CW: 15-30 Zoom Lens-30deg , Full Power

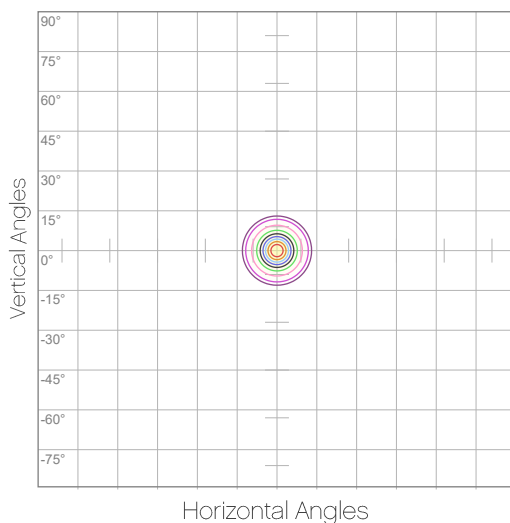
Candela Plot



Beam Angle (50%): 14.1°
Field Angle (10%): 29°
Cutoff Angle (3%): 30.7°

— Horizontal Distribution
 — Vertical Distribution

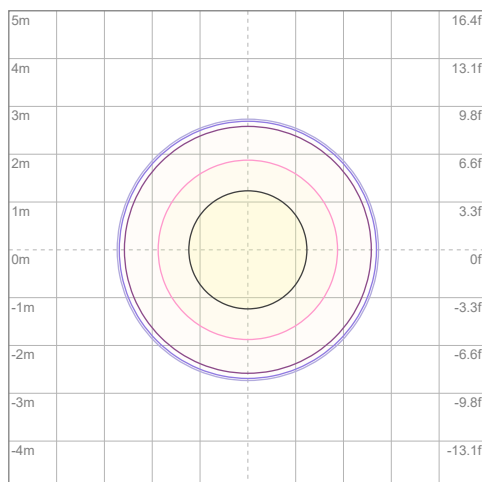
Polar Diagrams



iso-candela Diagram

10%	15334 cd
20%	30667 cd
30%	46001 cd
40%	61334 cd
50%	76668 cd
60%	92001 cd
70%	107335 cd
80%	122669 cd
90%	138002 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 153336 cd



iso-illuminance Diagram

3%	46.0 lx
5%	76.7 lx
10%	153 lx
30%	460 lx
50%	767 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1533 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 E-260CW: 15-30 Zoom Lens-15deg , Full Power

Report Summary

Output

Total Lumens: 11615 lm
Peak Intensity: 342264 cd
Illuminance @ 5m: 13691 lux
Fixture Efficacy: 51 lm/W

Optical

Horizontal Beam Angle (50%): 11.7°
Vertical Beam Angle (50%): 11.7°
Horizontal Field Angle (10%): 14.8°
Vertical Field Angle (10%): 14.8°
Horizontal Cutoff Angle (3%): 16.4°
Vertical Cutoff Angle (3%): 16.4°

Conditions

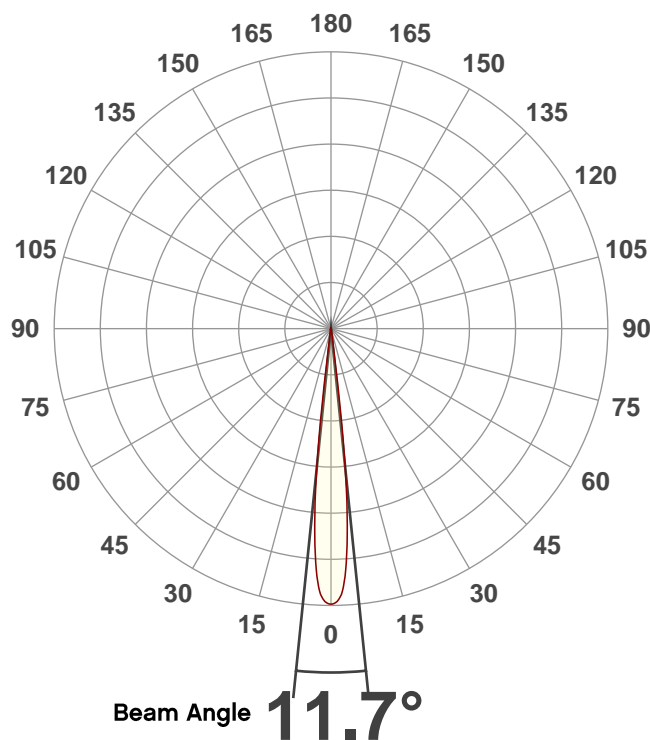
AC Supply: 119 V, 60 Hz
Power: 228.3 W
Current: 1.92 A
Power Factor: 0.99



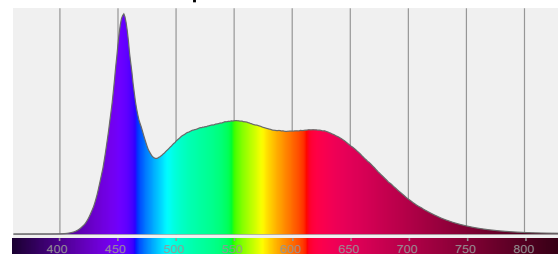
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/7/2020 to LM-63-2002 Standards.

Overall Measurement

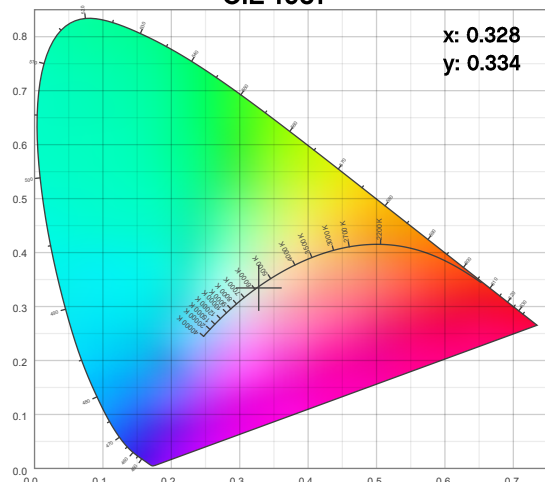
Angular Beam Distribution



Spectral Distribution



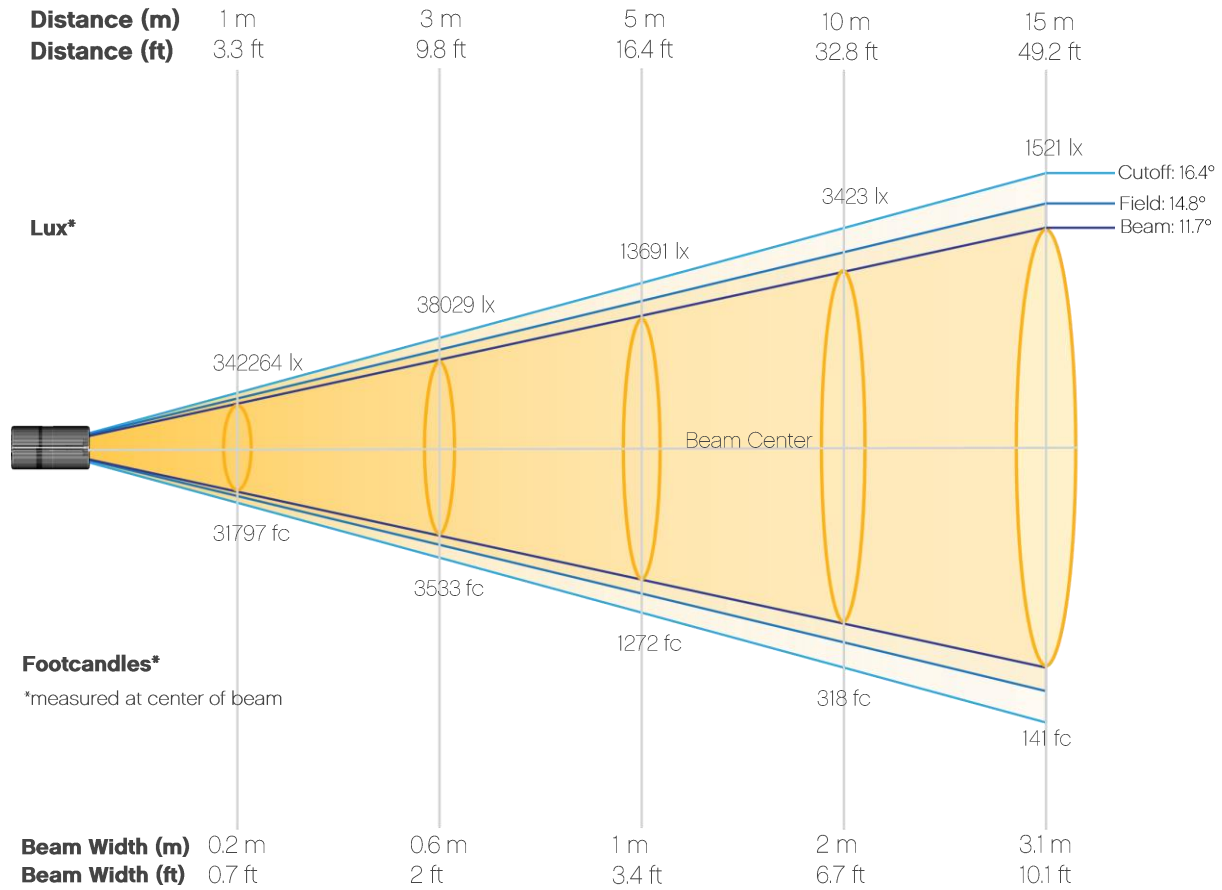
CIE 1931



Photometric Report

Ovation E-260CW: 15-30 Zoom Lens-15deg , Full Power

Beam Details



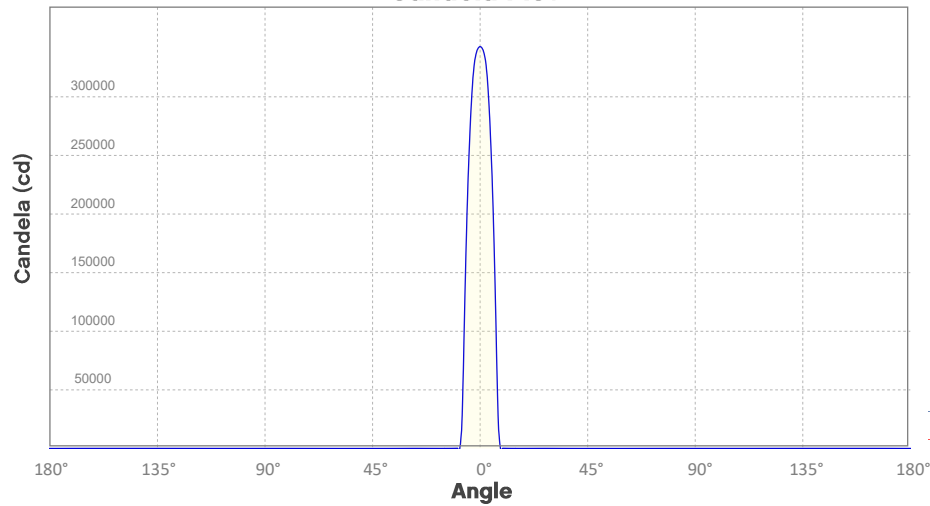
Beam luminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	342264	85566	38029	21392	13691	9507	6985	5348	4225	3423
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2829	2377	2025	1746	1521	1337	1184	1056	948	856
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	31797	7949	3533	1987	1272	883	649	497	393	318
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	263	221	188	162	141	124	110	98	88	79

Photometric Report

Ovation E-260CW: 15-30 Zoom Lens-15deg , Full Power

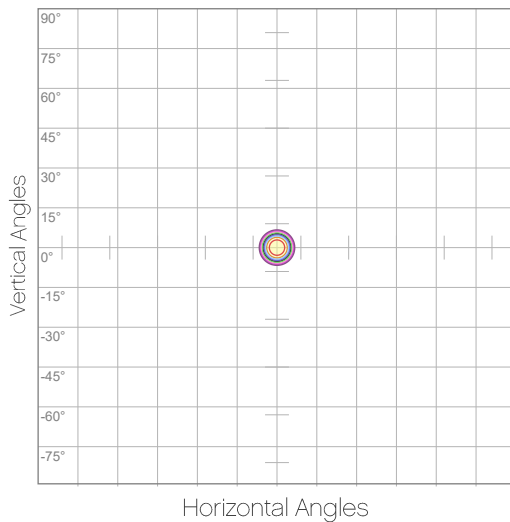
Candela Plot



Beam Angle (50%): 11.7°
Field Angle (10%): 14.8°
Cutoff Angle (3%): 16.4°

— Horizontal Distribution
— Vertical Distribution

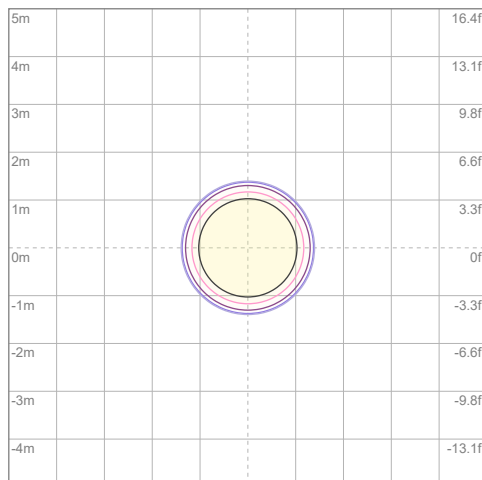
Polar Diagrams



iso-candela Diagram

10%	34226 cd
20%	68453 cd
30%	102679 cd
40%	136906 cd
50%	171132 cd
60%	205358 cd
70%	239585 cd
80%	273811 cd
90%	308038 cd

Conditions:
Number of c-planes: 2
Candela at center: 342264 cd



iso-illuminance Diagram

3%	103 lx
5%	171 lx
10%	342 lx
30%	1027 lx
50%	1711 lx

Conditions:
Number of c-planes: 2
Lux at center: 3423 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 E-260CW: Full Power

Report Summary

Measurements

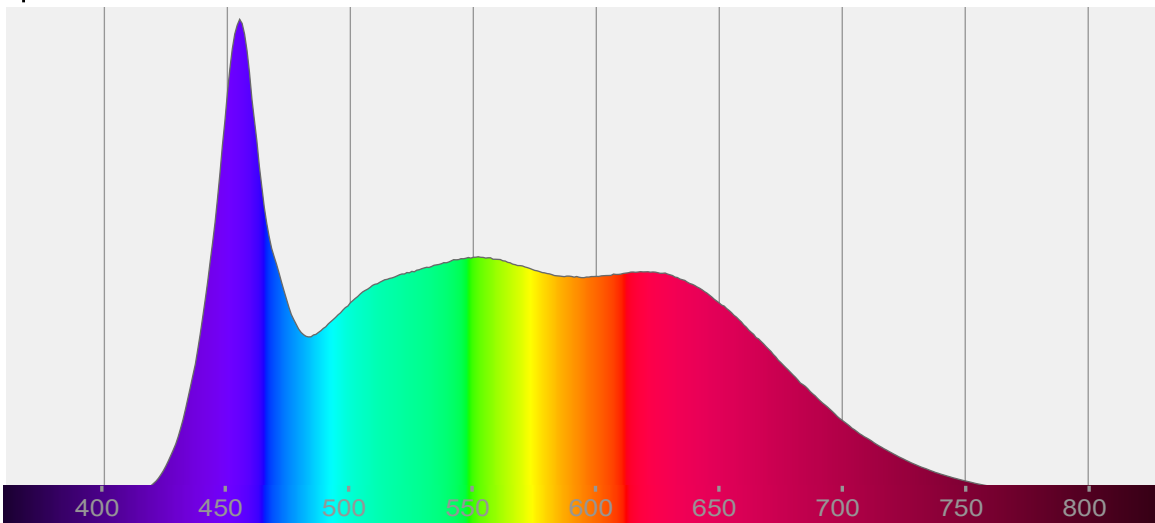
Total Lumens: 14038 lm
Peak Intensity: 152381 cd
Fixture Efficacy: 60 lm/W

Correlated Color Temperature: 5656K
 Δuv : -0.0058

CRI: 96.5 CRI R9 Value: 96.1
CQS: 92.3
TLCI: 96
TM-30-18 Rf: 91.5
TM-30-18 Rg: 100.0
1st Dominant Wavelength: 455 nm
2nd Dominant Wavelength: 552 nm



Spectral Distribution



Tested Color

5656 K

CIE 1931 Coordinates:
X: 0.329 Y: 0.333

Color Temperature

5656 K

Light Quality

CRI: 96.5

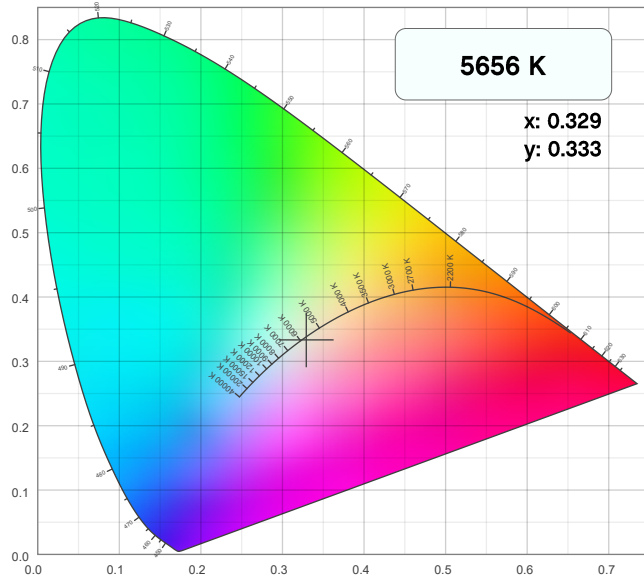
Notes:

Chromaticity Report

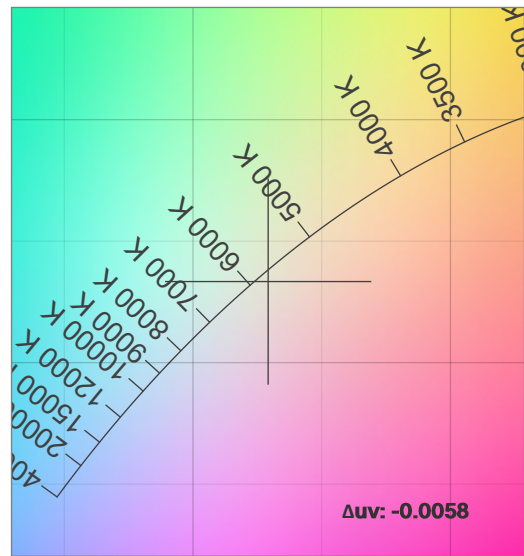
Ovation E-260CW: Full Power

Chromaticity

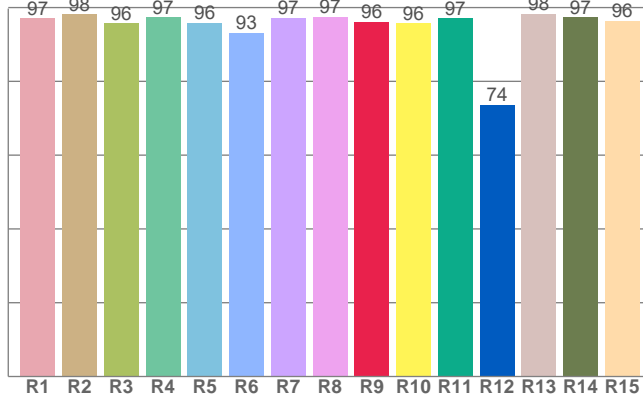
CIE 1931



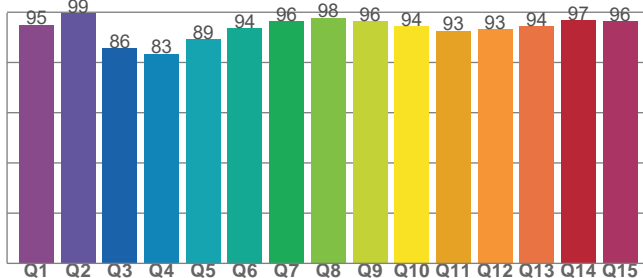
CIE 1931 - Zoom



CRI: 96.5 (R1-R8)



CQS: 92.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5656 K	0.329	0.333

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0058	0.333	0.208

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.5	96.1	92.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
96	91.5	100.0

Chromaticity Report

Ovation E-260CW: Full Power

TM-30-18 Details

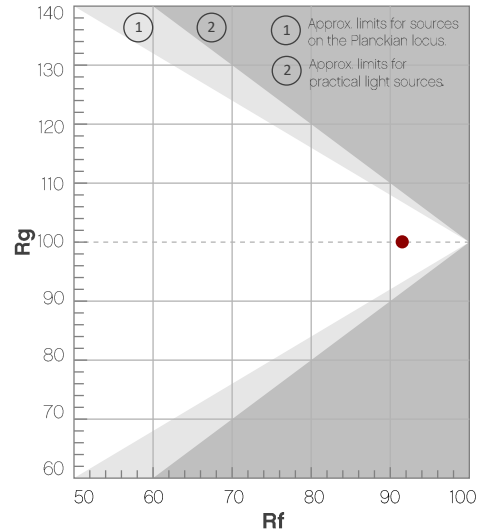
Rf 91.5

Fidelity Index
(R_f)

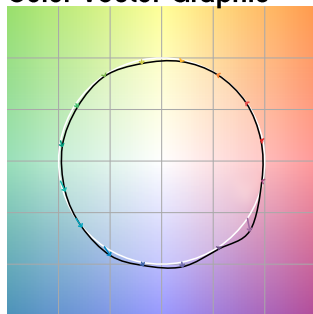
Rg 100.0

Gamut Index (R_g)

Hue Bin	R _f	Chroma Shift	Hue Shift
1	93	-2%	1%
2	95	-1%	2%
3	94	0%	2%
4	93	-2%	1%
5	91	-4%	0%
6	97	-1%	0%
7	94	-3%	2%
8	91	-3%	5%
9	89	-2%	10%
10	85	0%	10%
11	84	4%	9%
12	95	3%	2%
13	94	4%	0%
14	95	2%	-1%
15	85	9%	-9%
16	96	-1%	0%



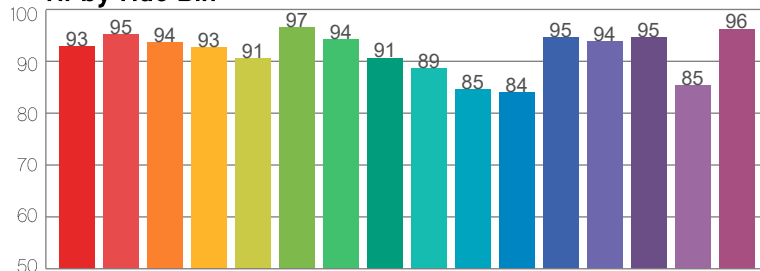
Color Vector Graphic



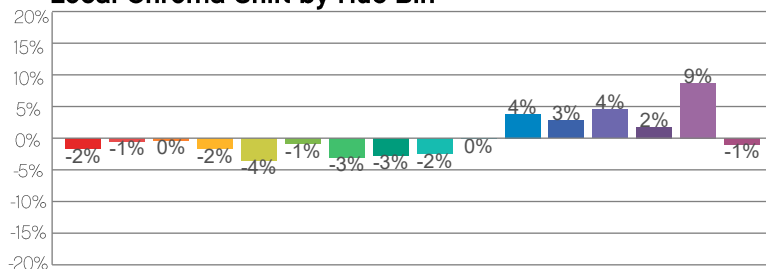
Color Distortion Graphic



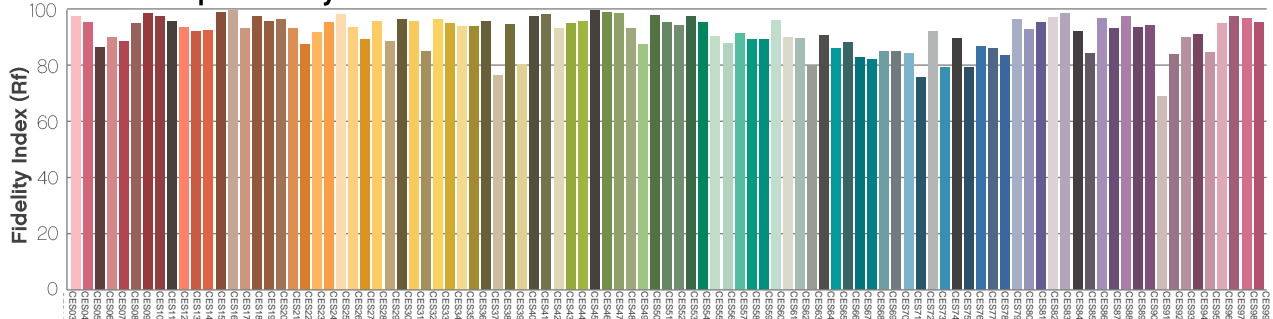
R_f by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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

