PHOTOMETRICS REPORT

OVATION

R Ê V E E-3

CHAUVET PROFESSIONAL

Table of Contents

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 Rêve E-3: 5° Lens - Full Power

Report Summary

Output

Total Lumens: 5076 lm
Peak Intensity: 796399 cd
Illuminance @ 5m: 31856 lux
Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 4.6°
Vertical Beam Angle (50%): 4.6°
Horizontal Field Angle (10%): 5.6°
Vertical Field Angle (10%): 5.6°
Horizontal Cutoff Angle (3%): 6°
Vertical Cutoff Angle (3%): 6°

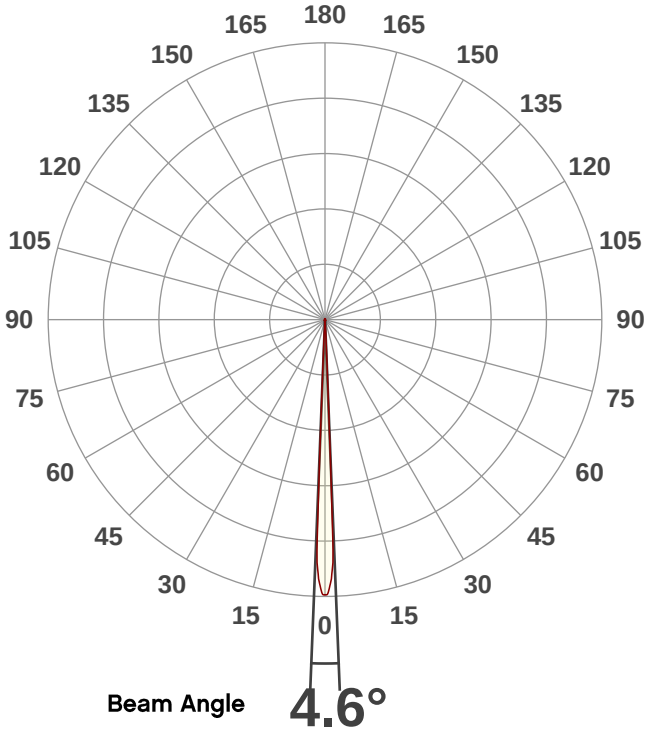
Conditions

AC Supply: 117 V, 60 Hz
Power: 1340.38 W
Current: 11.5 A
Power Factor: 0.97

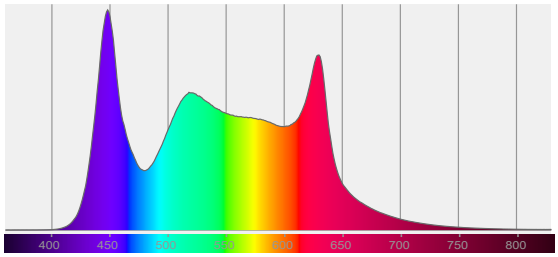
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 3/1/2021 to LM-63-2002 Standards.

Overall Measurement

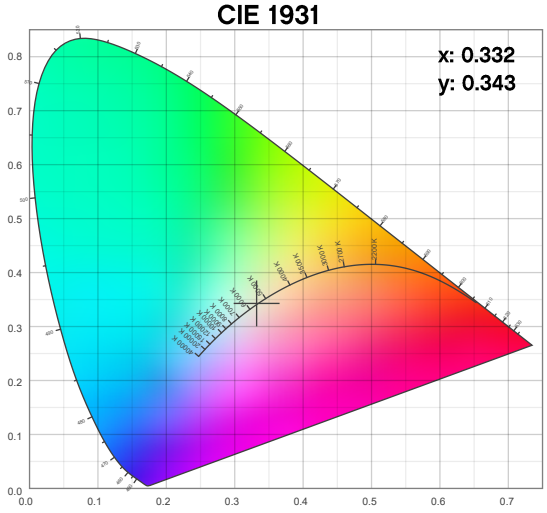
Angular Beam Distribution



Spectral Distribution



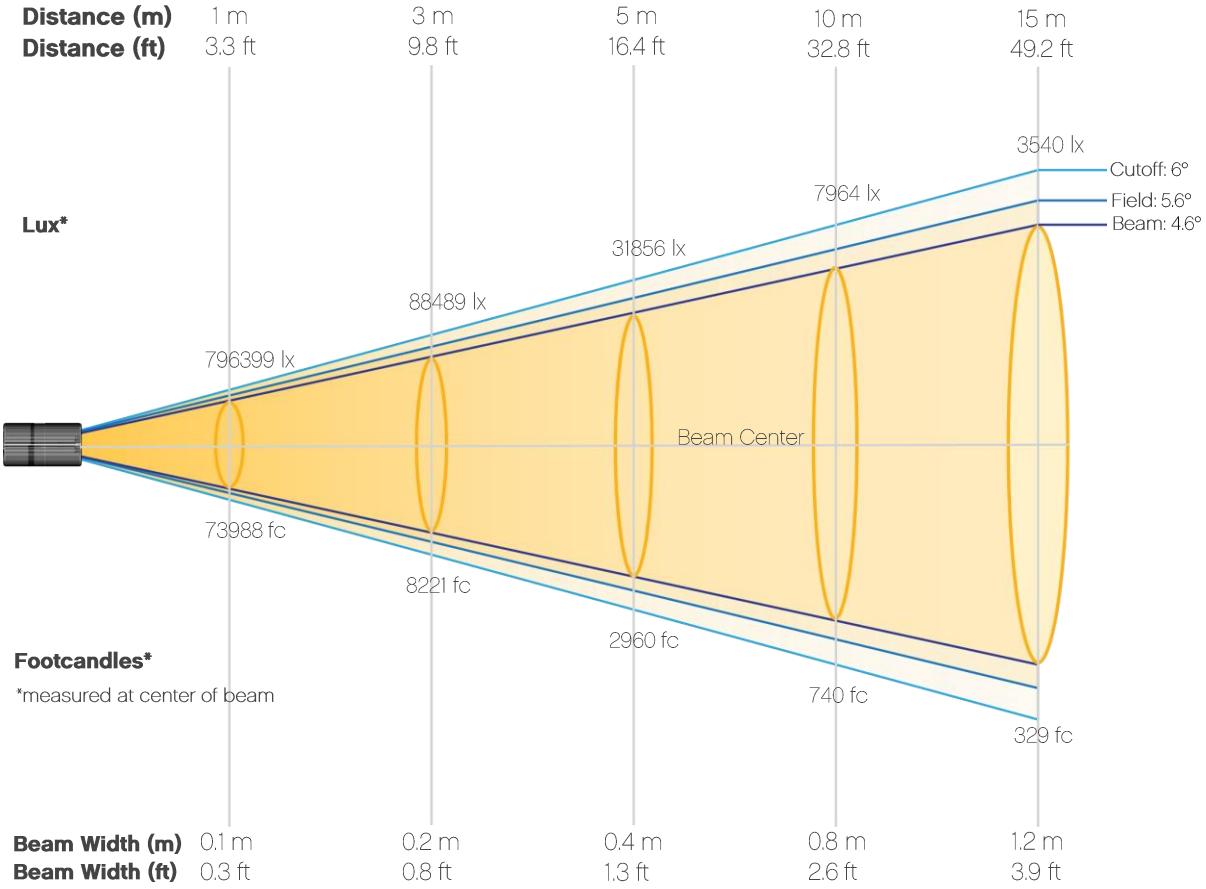
CIE 1931



Photometric Report

Ovation Rêve E-3: 5° Lens - Full Power

Beam Details



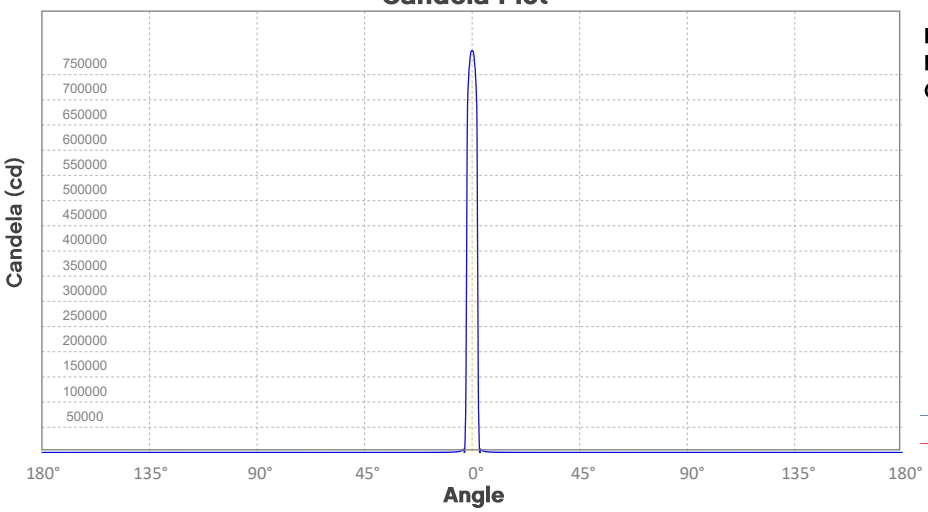
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	796399	199100	88489	49775	31856	22122	16253	12444	9832	7964
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	6582	5531	4712	4063	3540	3111	2756	2458	2206	1991
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	73988	18497	8221	4624	2960	2055	1510	1156	913	740
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	611	514	438	377	329	289	256	228	205	185

Photometric Report

Ovation Rêve E-3: 5° Lens - Full Power

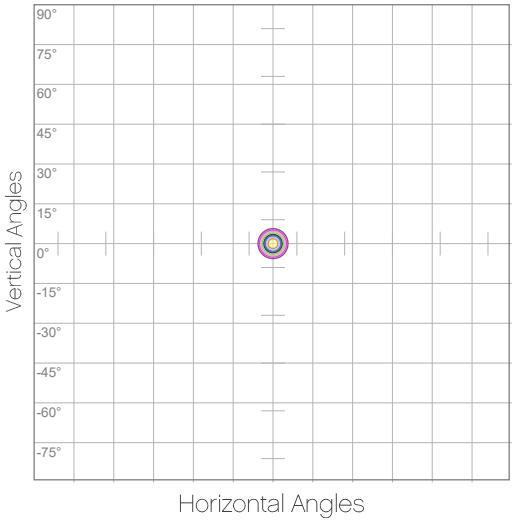
Candela Plot



Beam Angle (50%): 4.6°
Field Angle (10%): 5.6°
Cutoff Angle (3%): 6°

Horizontal Distribution
Vertical Distribution

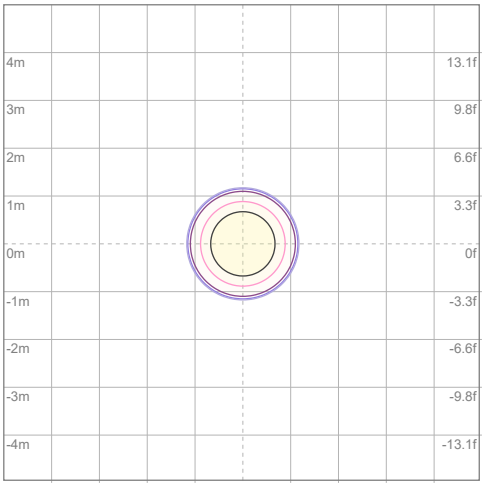
Polar Diagrams



iso-candela Diagram

10%	79640 cd
20%	159280 cd
30%	238920 cd
40%	318560 cd
50%	398200 cd
60%	477839 cd
70%	557479 cd
80%	637119 cd
90%	716759 cd

Conditions:
Number of c-planes: 2
Candela at center: 796399 cd



iso-illuminance Diagram

3%	239 lx
5%	398 lx
10%	796 lx
30%	2389 lx
50%	3982 lx

Conditions:
Number of c-planes: 2
Lux at center: 7964 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 Rêve E-3: 10° Lens - Full Power

Report Summary

Output

Total Lumens: 11250 lm
Peak Intensity: 473106 cd
Illuminance @ 5m: 18924 lux
Fixture Efficacy: 55 lm/W

Optical

Horizontal Beam Angle (50%): 10°
Vertical Beam Angle (50%): 10°
Horizontal Field Angle (10%): 11.1°
Vertical Field Angle (10%): 11.1°
Horizontal Cutoff Angle (3%): 11.8°
Vertical Cutoff Angle (3%): 11.8°

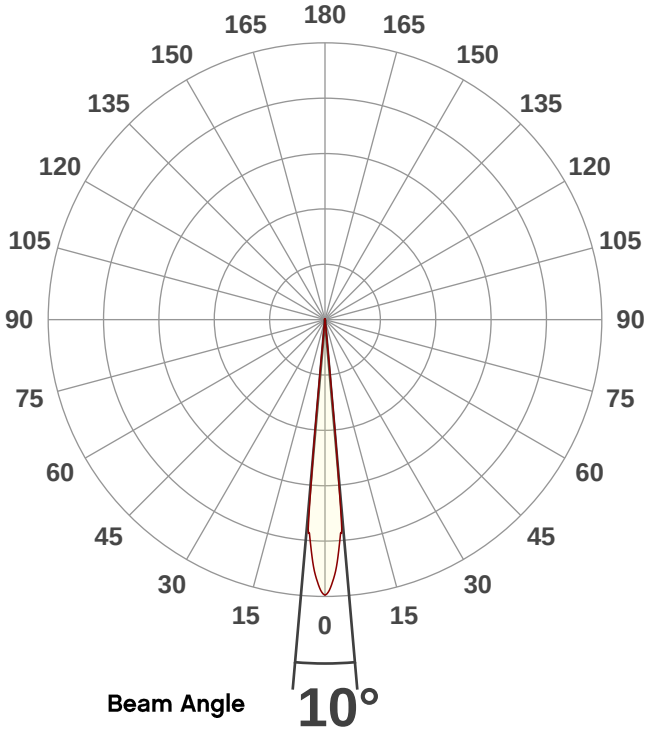
Conditions

AC Supply: 120 V, 60 Hz
Power: 813.05 W
Current: 6.78 A
Power Factor: 0.25

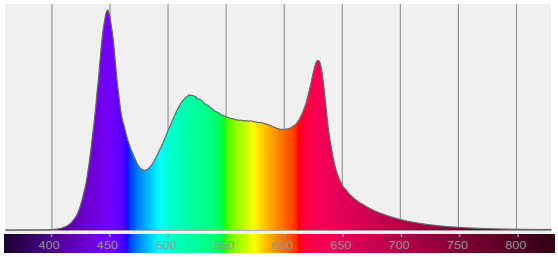
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 3/1/2021 to LM-63-2002 Standards.

Overall Measurement

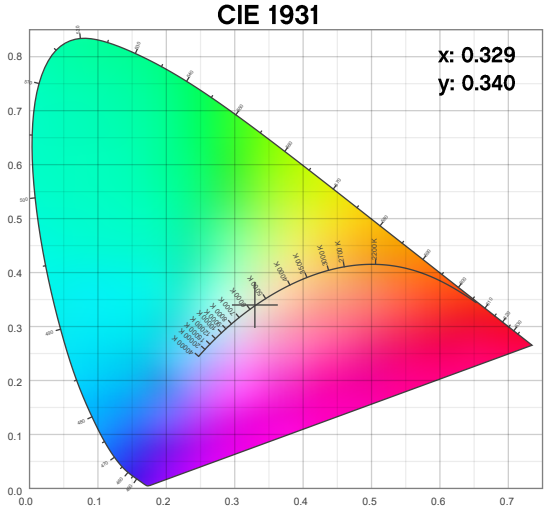
Angular Beam Distribution



Spectral Distribution



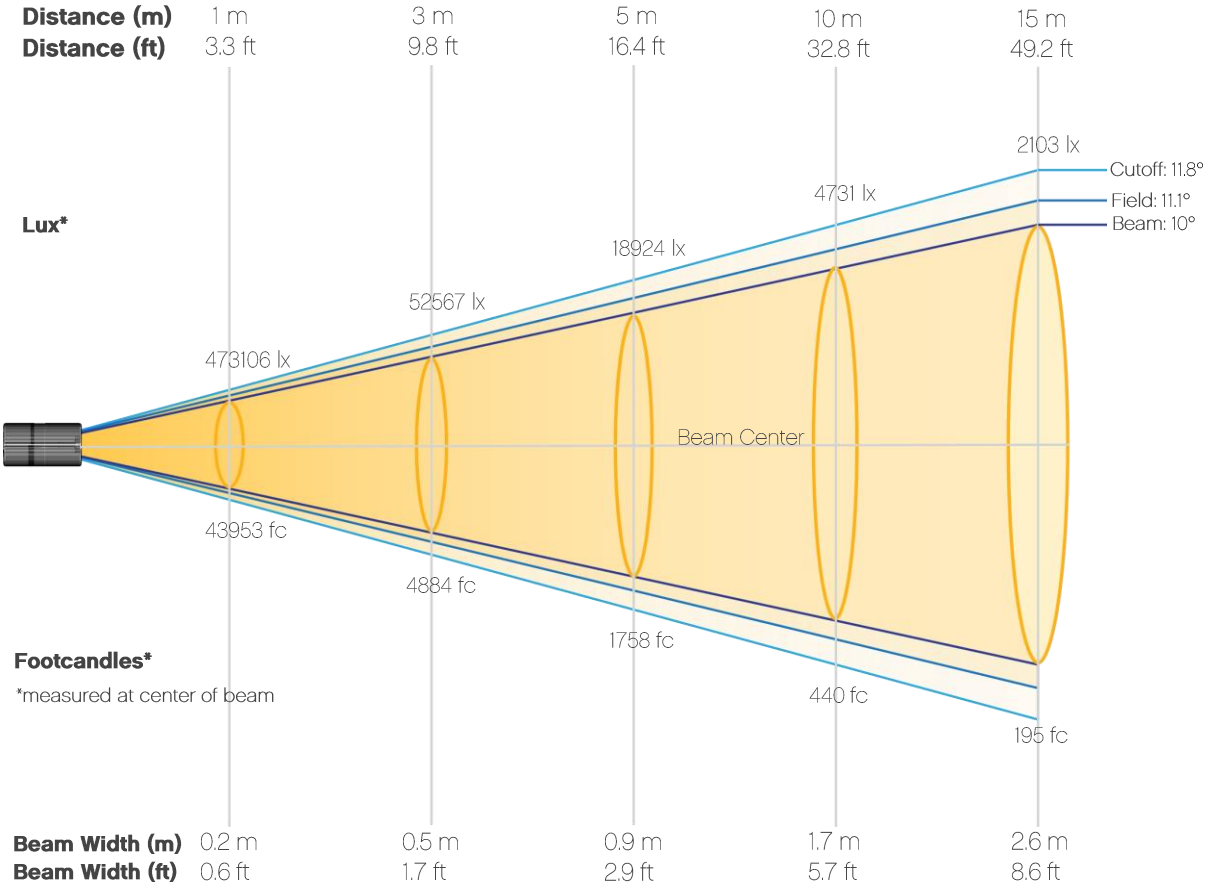
CIE 1931



Photometric Report

Ovation Rêve E-3: 10° Lens - Full Power

Beam Details



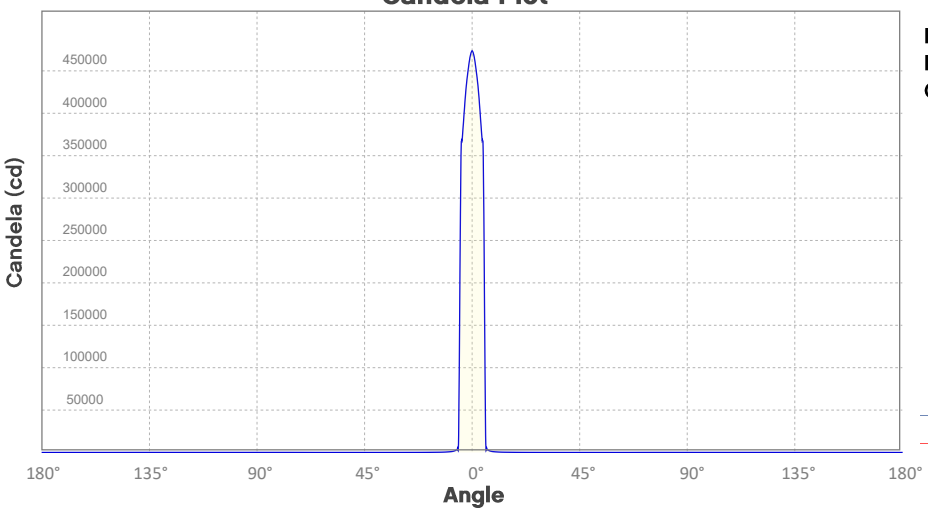
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	473106	118277	52567	29569	18924	13142	9655	7392	5841	4731
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	3910	3285	2799	2414	2103	1848	1637	1460	1311	1183
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	43953	10988	4884	2747	1758	1221	897	687	543	440
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	363	305	260	224	195	172	152	136	122	110

Photometric Report

Ovation Rêve E-3: 10° Lens - Full Power

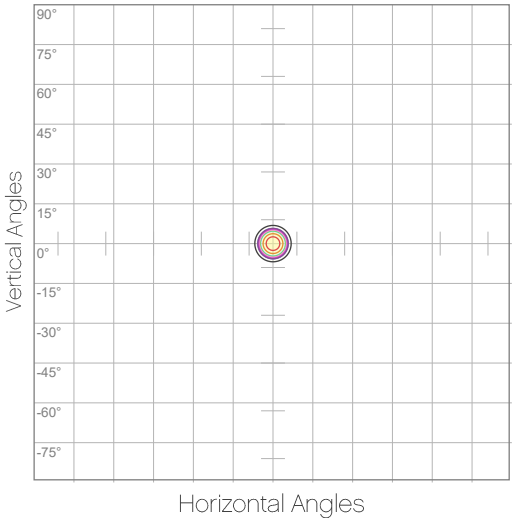
Candela Plot



Beam Angle (50%): 10°
Field Angle (10%): 11.1°
Cutoff Angle (3%): 11.8°

Horizontal Distribution
Vertical Distribution

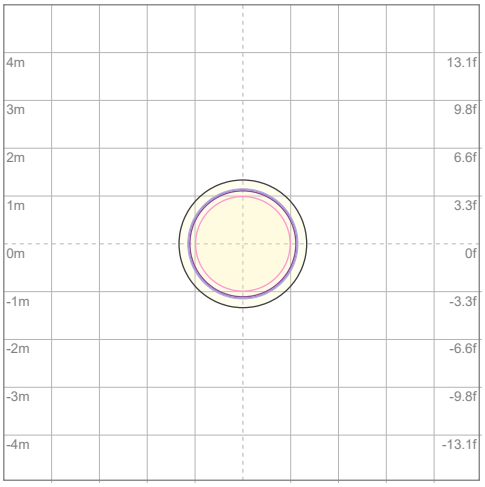
Polar Diagrams



iso-candela Diagram

10%	47311 cd
20%	94621 cd
30%	141932 cd
40%	189243 cd
50%	236553 cd
60%	283864 cd
70%	331174 cd
80%	378485 cd
90%	425796 cd

Conditions:
Number of c-planes: 2
Candela at center: 473106 cd



iso-illuminance Diagram

3%	142 lx
5%	237 lx
10%	473 lx
30%	1419 lx
50%	2366 lx

Conditions:
Number of c-planes: 2
Lux at center: 4731 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 Rêve E-3: 14° Lens - Full Power

Report Summary

Output

Total Lumens: 12179 lm
Peak Intensity: 232220 cd
Illuminance @ 5m: 9284 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 14.8°
Vertical Beam Angle (50%): 14.8°
Horizontal Field Angle (10%): 16°
Vertical Field Angle (10%): 16°
Horizontal Cutoff Angle (3%): 17.6°
Vertical Cutoff Angle (3%): 17.6°

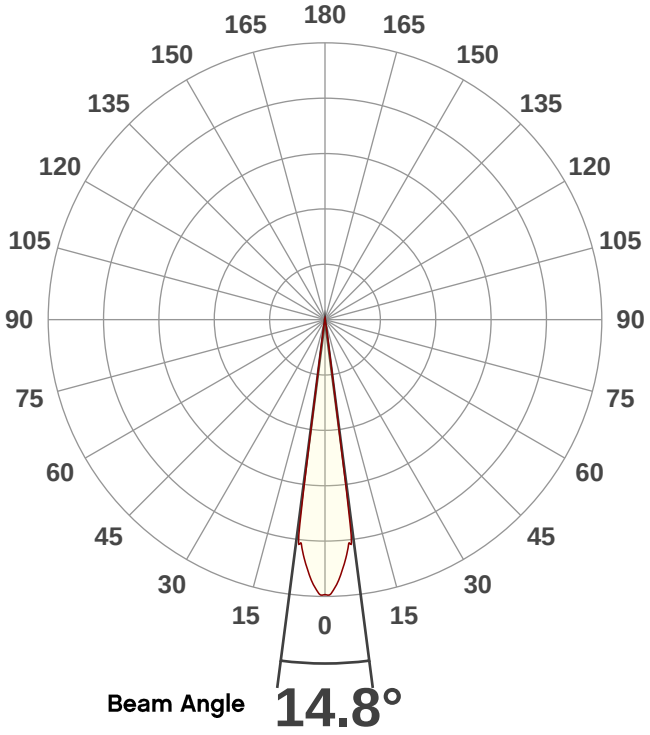
Conditions

AC Supply: 117 V, 60 Hz
Power: 1042.77 W
Current: 8.92 A
Power Factor: 1.0

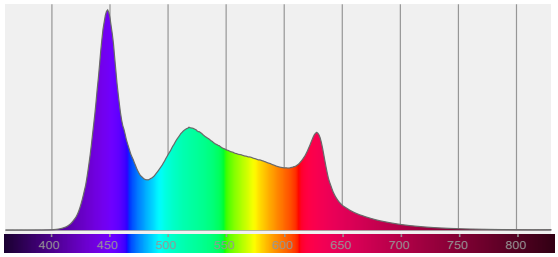
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/26/2021 to LM-63-2002 Standards.

Overall Measurement

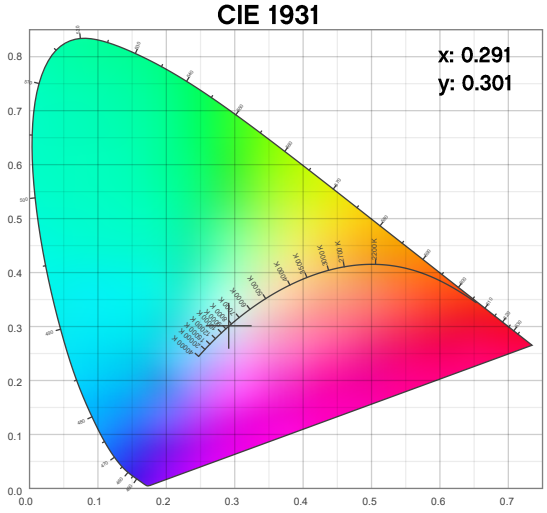
Angular Beam Distribution



Spectral Distribution



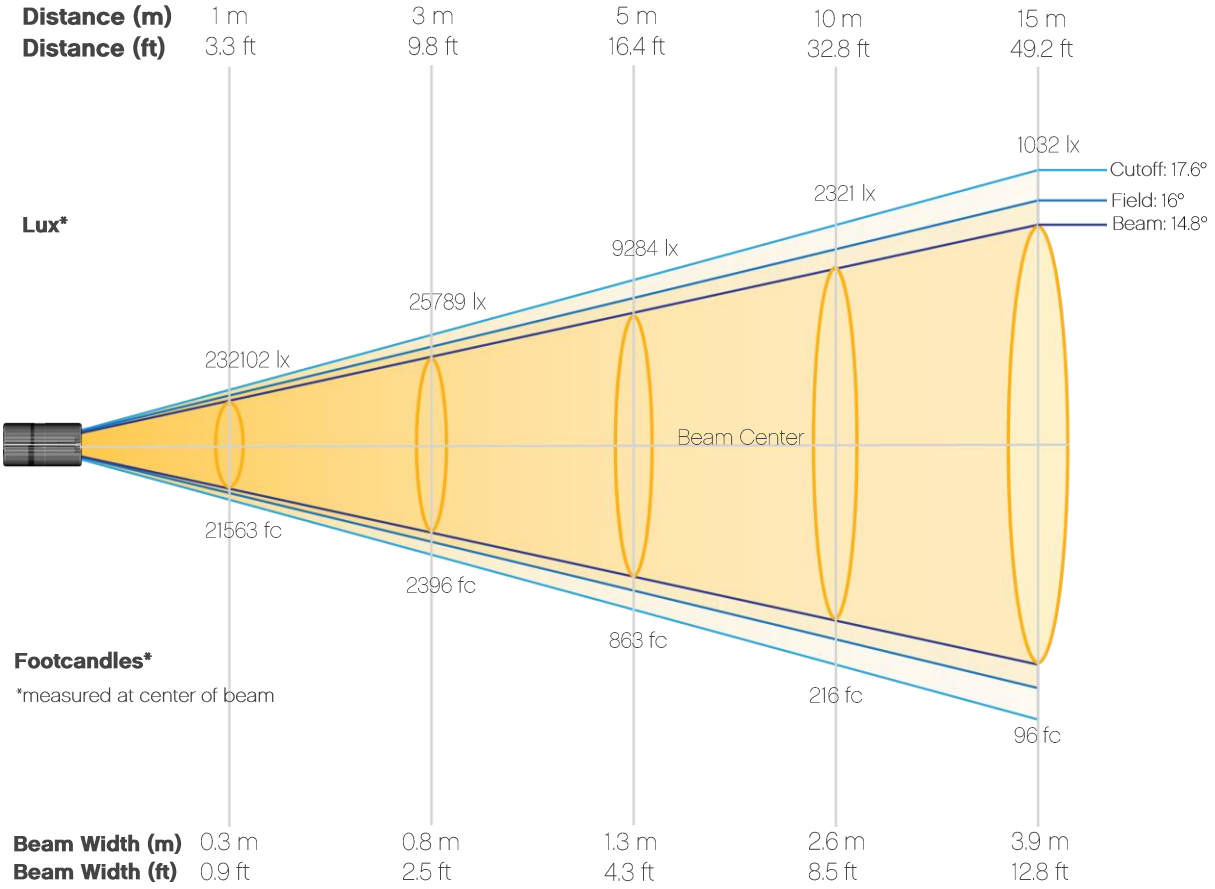
CIE 1931



Photometric Report

Ovation Rêve E-3: 14° Lens - Full Power

Beam Details



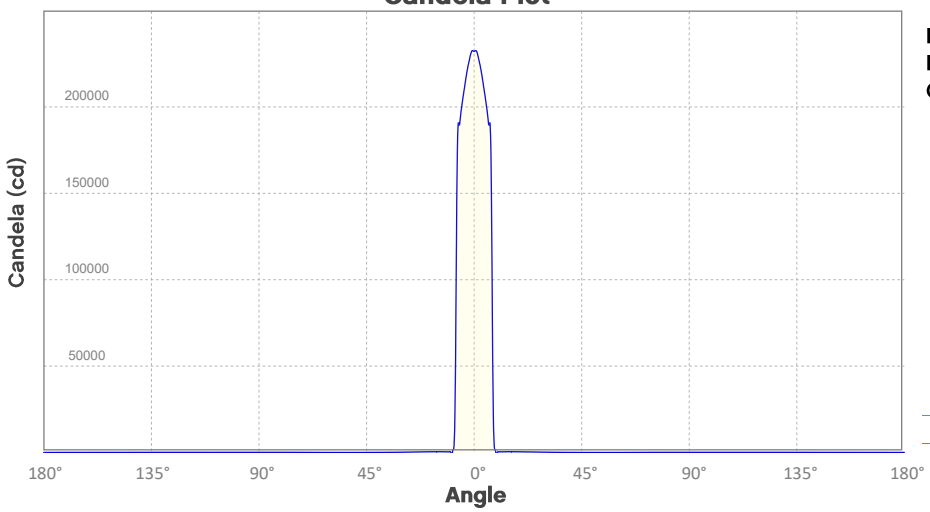
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	232102	58025	25789	14506	9284	6447	4737	3627	2865	2321
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1918	1612	1373	1184	1032	907	803	716	643	580
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	21563	5391	2396	1348	863	599	440	337	266	216
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	178	150	128	110	96	84	75	67	60	54

Photometric Report

Ovation Rêve E-3: 14° Lens - Full Power

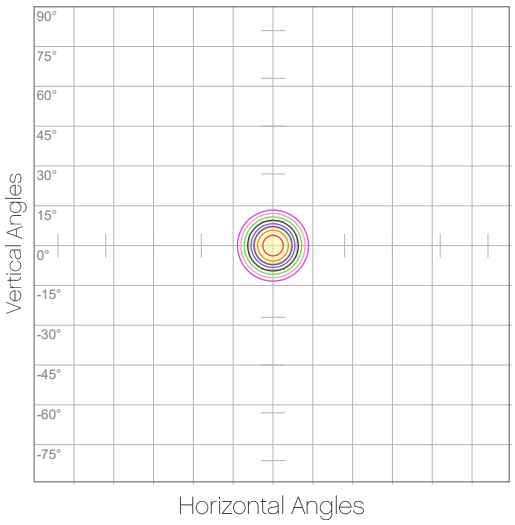
Candela Plot



Beam Angle (50%): 14.8°
Field Angle (10%): 16°
Cutoff Angle (3%): 17.6°

Horizontal Distribution
Vertical Distribution

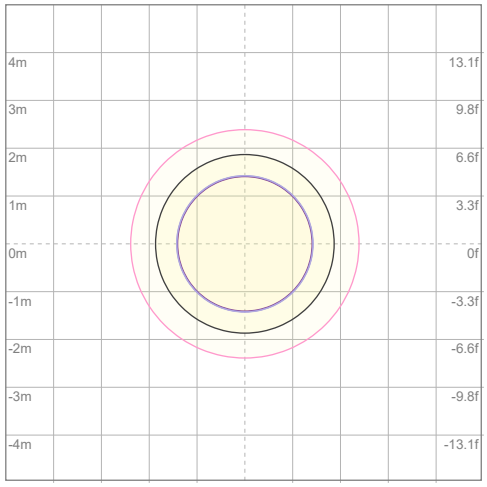
Polar Diagrams



iso-candela Diagram

10%	23210 cd
20%	46420 cd
30%	69631 cd
40%	92841 cd
50%	116051 cd
60%	139261 cd
70%	162471 cd
80%	185681 cd
90%	208892 cd

Conditions:
Number of c-planes: 2
Candela at center: 232102 cd



iso-illuminance Diagram

3%	69.6 lx
5%	116 lx
10%	232 lx
30%	696 lx
50%	1161 lx

Conditions:
Number of c-planes: 2
Lux at center: 2321 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 Rêve E-3: 19° Lens - Full Power

Report Summary

Output

Total Lumens: 12156 lm
Peak Intensity: 140878 cd
Illuminance @ 5m: 5635 lux
Fixture Efficacy: 32 lm/W

Optical

Horizontal Beam Angle (50%): 18.5°
Vertical Beam Angle (50%): 18.5°
Horizontal Field Angle (10%): 21.6°
Vertical Field Angle (10%): 21.6°
Horizontal Cutoff Angle (3%): 22.7°
Vertical Cutoff Angle (3%): 22.7°

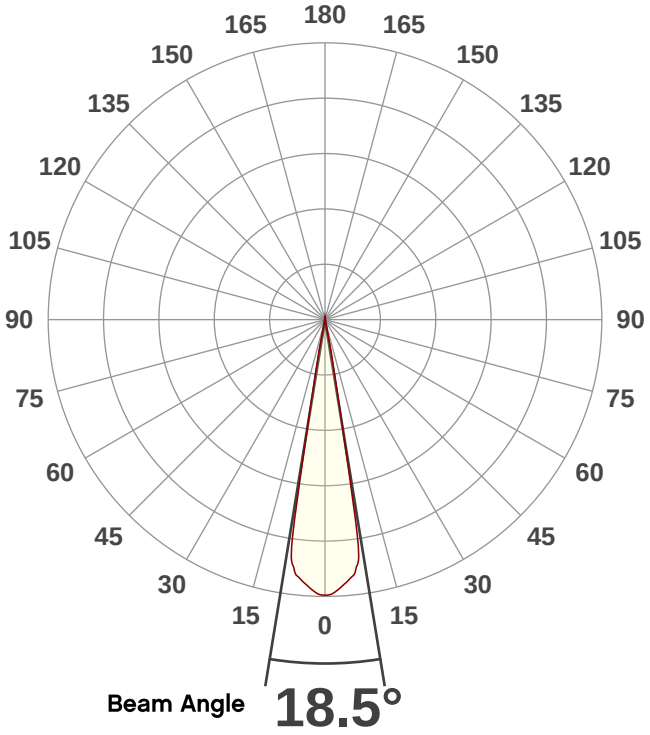
Conditions

AC Supply: 116 V, 60 Hz
Power: 379.65 W
Current: 3.27 A
Power Factor: 1.0

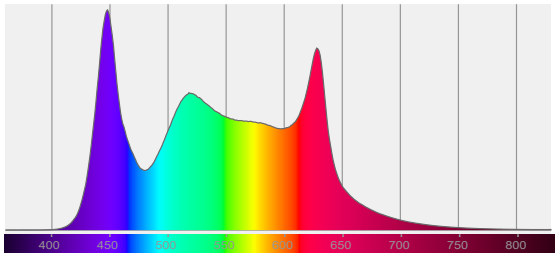
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 3/11/2021 to LM-63-2002 Standards.

Overall Measurement

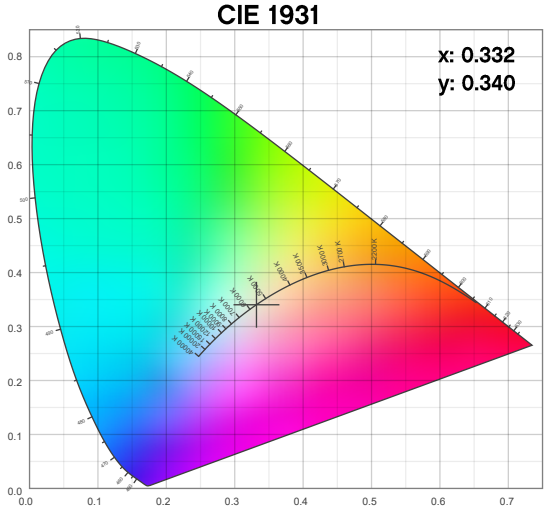
Angular Beam Distribution



Spectral Distribution



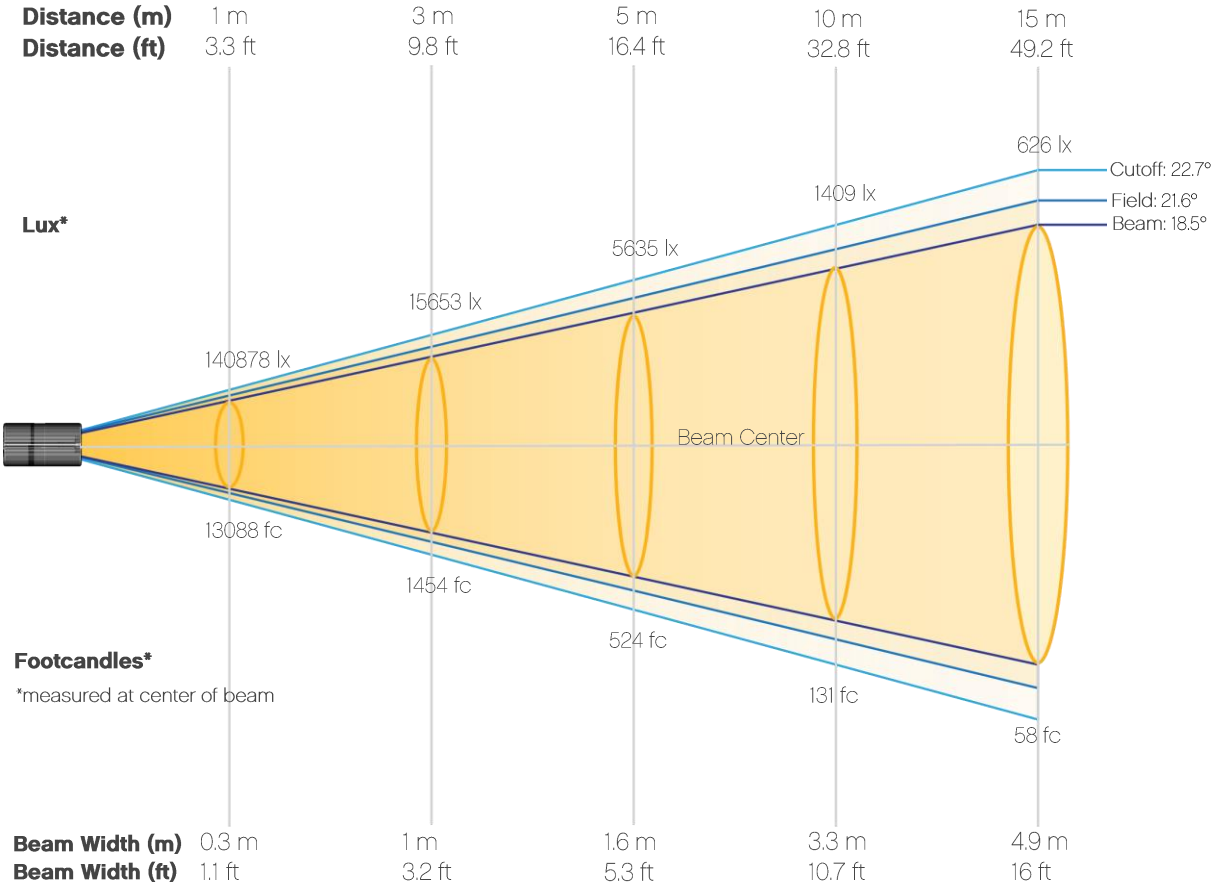
CIE 1931



Photometric Report

Ovation Rêve E-3: 19° Lens - Full Power

Beam Details



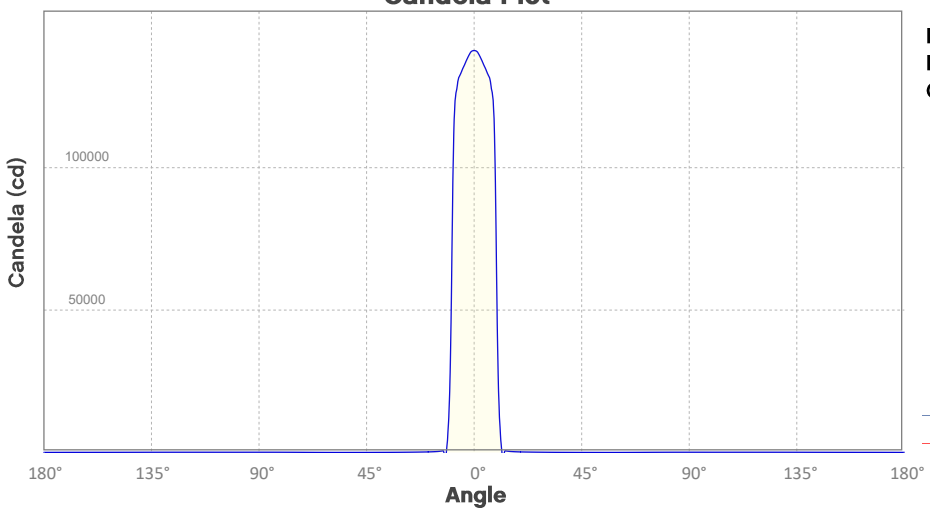
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	140878	35220	15653	8805	5635	3913	2875	2201	1739	1409
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1164	978	834	719	626	550	487	435	390	352
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	13088	3272	1454	818	524	364	267	205	162	131
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	108	91	77	67	58	51	45	40	36	33

Photometric Report

Ovation Rêve E-3: 19° Lens - Full Power

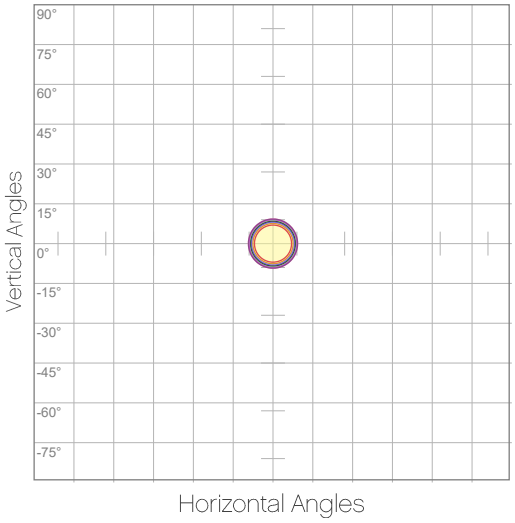
Candela Plot



Beam Angle (50%): 18.5°
Field Angle (10%): 21.6°
Cutoff Angle (3%): 22.7°

Horizontal Distribution
Vertical Distribution

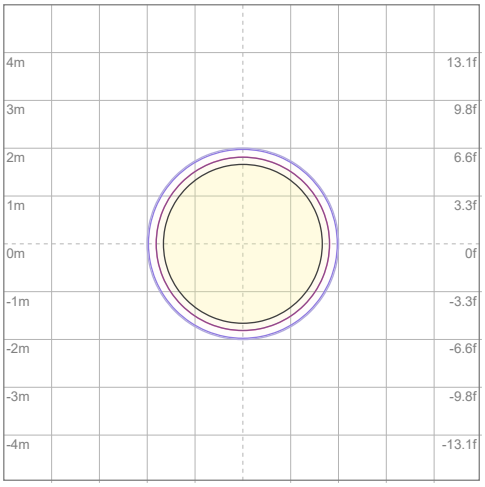
Polar Diagrams



iso-candela Diagram

10%	14088 cd
20%	28176 cd
30%	42263 cd
40%	56351 cd
50%	70439 cd
60%	84527 cd
70%	98615 cd
80%	112703 cd
90%	126790 cd

Conditions:
Number of c-planes: 2
Candela at center: 140878 cd



iso-illuminance Diagram

3%	42.3 lx
5%	70.4 lx
10%	141 lx
30%	423 lx
50%	704 lx

Conditions:
Number of c-planes: 2
Lux at center: 1409 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 Rêve E-3: 26° Lens - Full Power

Report Summary

Output

Total Lumens: 13300 lm
Peak Intensity: 84444 cd
Illuminance @ 5m: 3378 lux
Fixture Efficacy: 35 lm/W

Optical

Horizontal Beam Angle (50%): 26°
Vertical Beam Angle (50%): 26°
Horizontal Field Angle (10%): 29.6°
Vertical Field Angle (10%): 29.6°
Horizontal Cutoff Angle (3%): 30.3°
Vertical Cutoff Angle (3%): 30.3°

Conditions

AC Supply: 116 V, 60 Hz
Power: 379.38 W
Current: 3.26 A
Power Factor: 1.0

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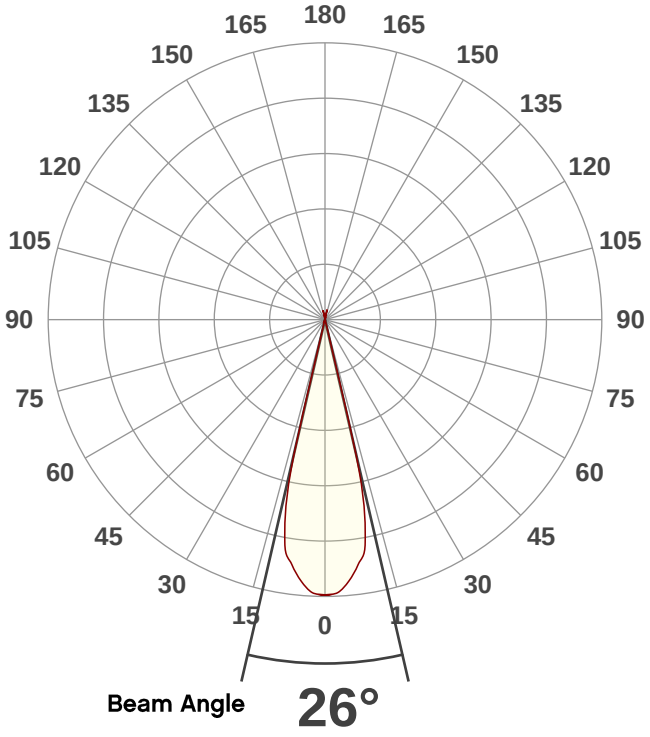
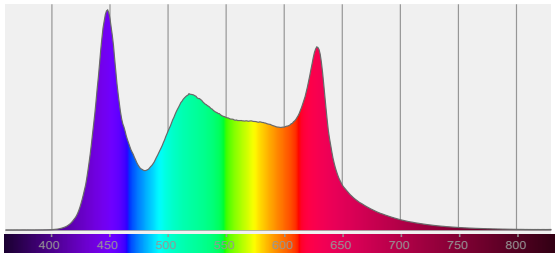
Overall Measurement

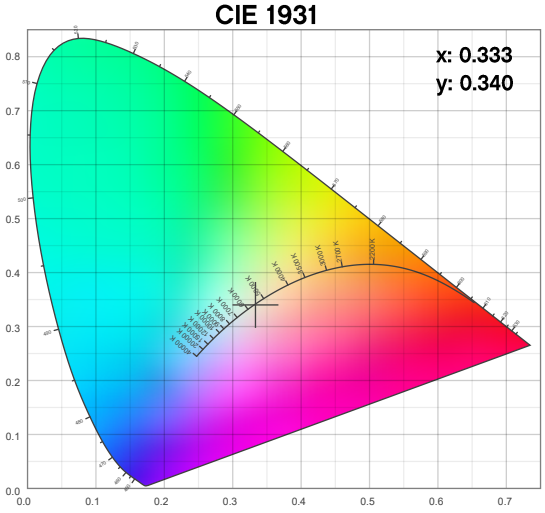
Angular Beam Distribution



Spectral Distribution



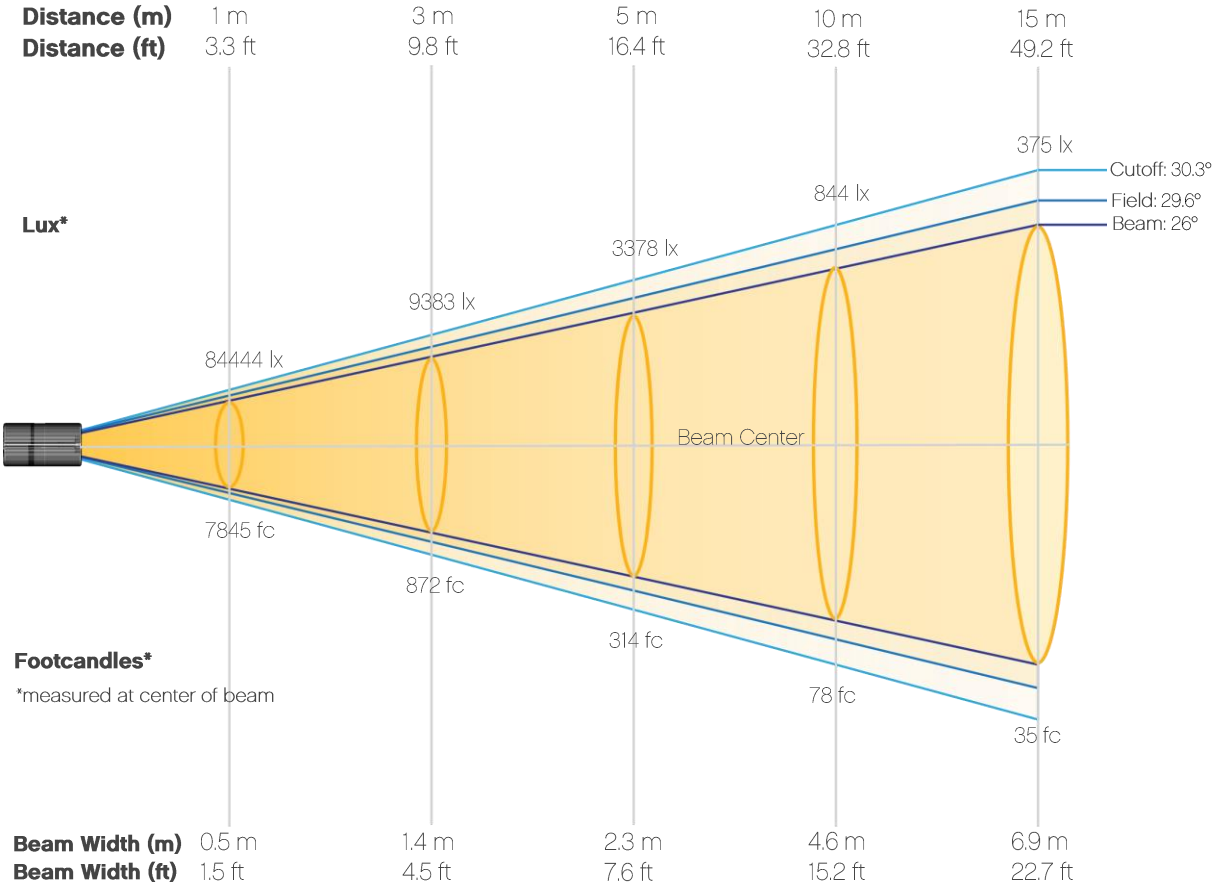
CIE 1931



Photometric Report

Ovation Rêve E-3: 26° Lens - Full Power

Beam Details



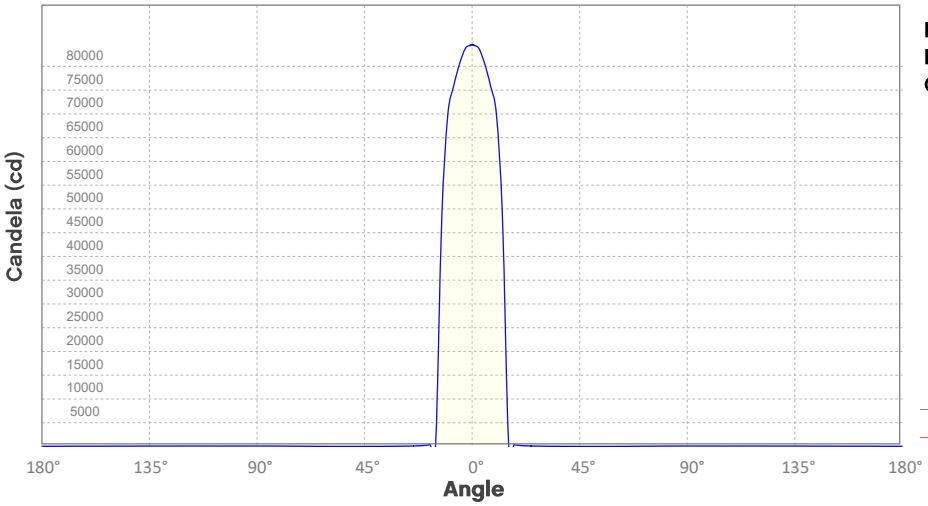
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	84444	21111	9383	5278	3378	2346	1723	1319	1043	844
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	698	586	500	431	375	330	292	261	234	211
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	7845	1961	872	490	314	218	160	123	97	78
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	65	54	46	40	35	31	27	24	22	20

Photometric Report

Ovation Rêve E-3: 26° Lens - Full Power

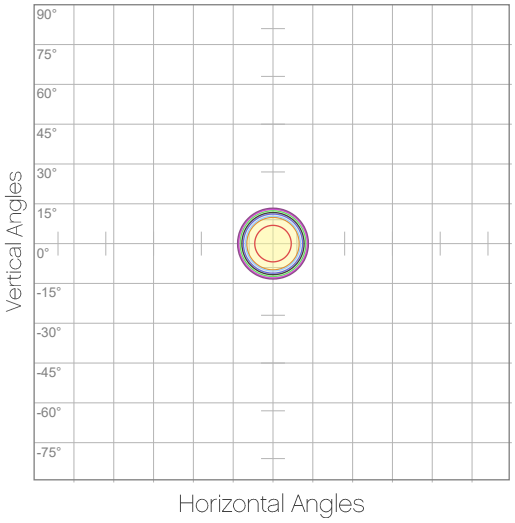
Candela Plot



Beam Angle (50%): 26°
Field Angle (10%): 29.6°
Cutoff Angle (3%): 30.3°

Horizontal Distribution
Vertical Distribution

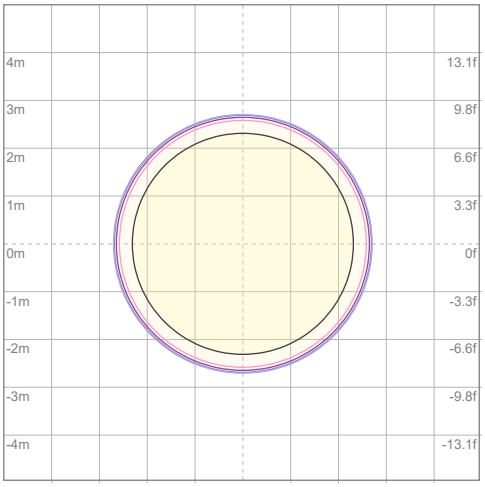
Polar Diagrams



iso-candela Diagram

10%	8444 cd
20%	16889 cd
30%	25333 cd
40%	33778 cd
50%	42222 cd
60%	50667 cd
70%	59111 cd
80%	67555 cd
90%	76000 cd

Conditions:
Number of c-planes: 2
Candela at center: 84444 cd



iso-illuminance Diagram

3%	25.3 lx
5%	42.2 lx
10%	84.4 lx
30%	253 lx
50%	422 lx

Conditions:
Number of c-planes: 2
Lux at center: 844 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 Rêve E-3: 36° Lens - Full Power

Report Summary

Output

Total Lumens: 13223 lm
Peak Intensity: 52127 cd
Illuminance @ 5m: 2085 lux
Fixture Efficacy: 36 lm/W

Optical

Horizontal Beam Angle (50%): 33.3°
Vertical Beam Angle (50%): 33.3°
Horizontal Field Angle (10%): 37.1°
Vertical Field Angle (10%): 37.1°
Horizontal Cutoff Angle (3%): 39.7°
Vertical Cutoff Angle (3%): 39.7°

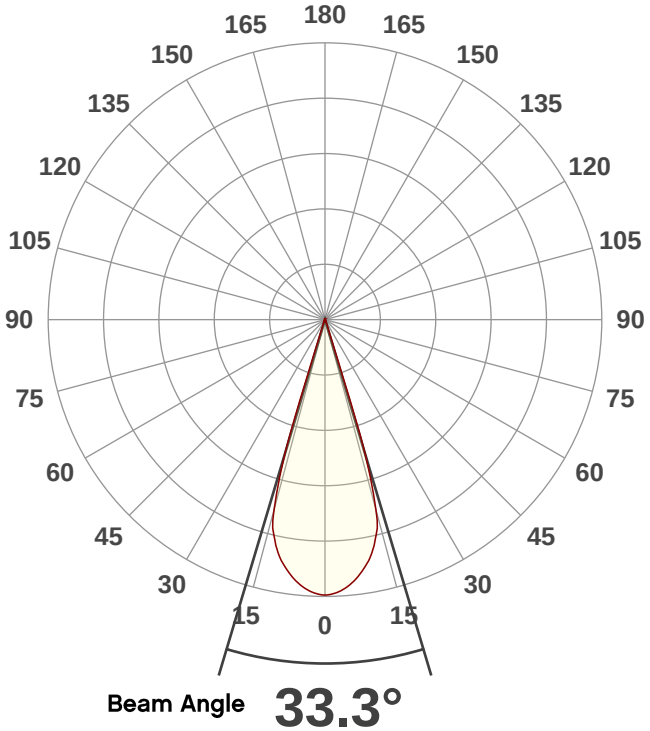
Conditions

AC Supply: 116 V, 60 Hz
Power: 371.93 W
Current: 3.20 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 3/11/2021 to LM-63-2002 Standards.

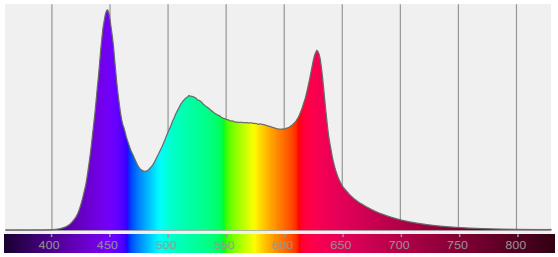
Overall Measurement

Angular Beam Distribution

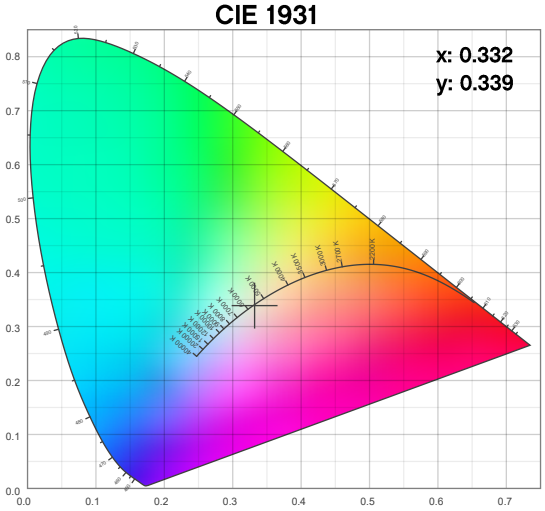


Beam Angle **33.3°**

Spectral Distribution



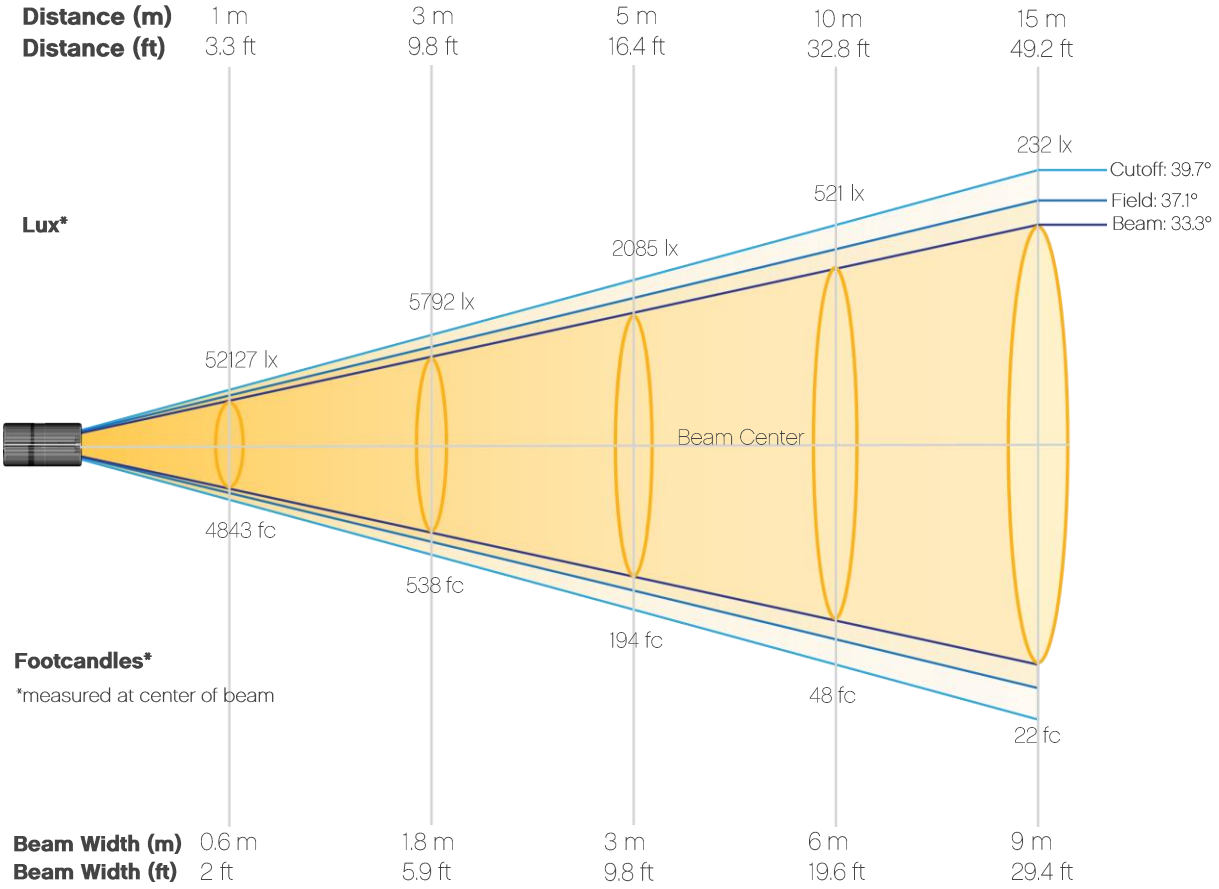
CIE 1931



Photometric Report

Ovation Rêve E-3: 36° Lens - Full Power

Beam Details



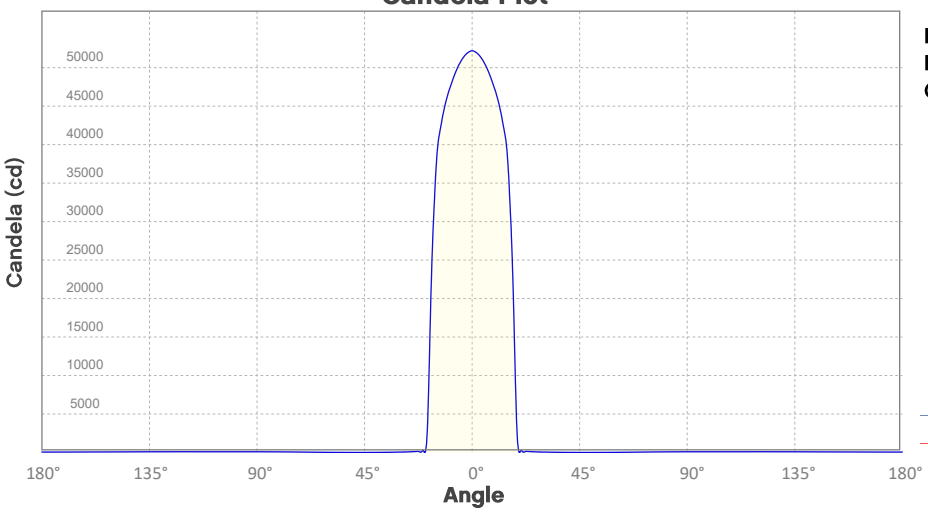
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	52127	13032	5792	3258	2085	1448	1064	814	644	521
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	431	362	308	266	232	204	180	161	144	130
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4843	1211	538	303	194	135	99	76	60	48
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	40	34	29	25	22	19	17	15	13	12

Photometric Report

Ovation Rêve E-3: 36° Lens - Full Power

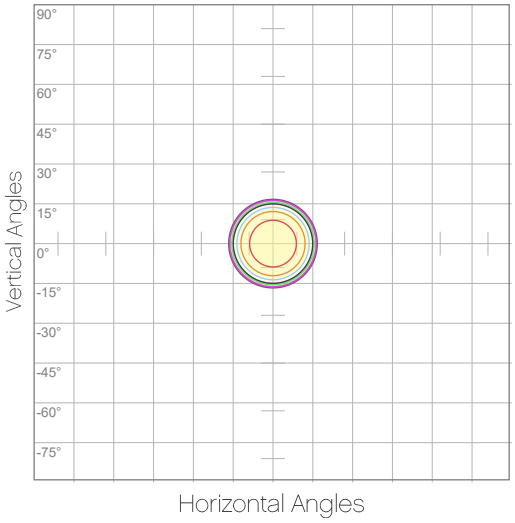
Candela Plot



Beam Angle (50%): 33.3°
Field Angle (10%): 37.1°
Cutoff Angle (3%): 39.7°

Horizontal Distribution
Vertical Distribution

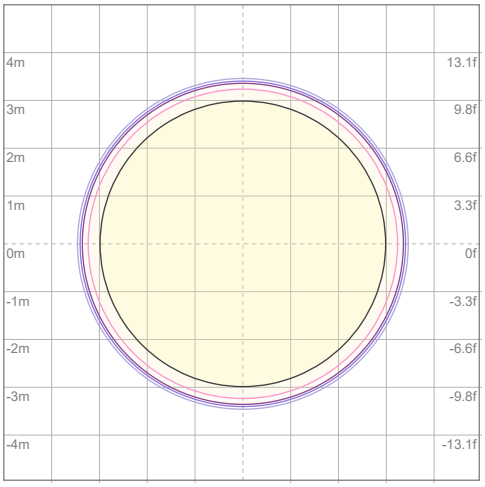
Polar Diagrams



iso-candela Diagram

	10%	5213 cd
	20%	10425 cd
	30%	15638 cd
	40%	20851 cd
	50%	26064 cd
	60%	31276 cd
	70%	36489 cd
	80%	41702 cd
	90%	46914 cd

Conditions:
Number of c-planes: 2
Candela at center: 52127 cd



iso-illuminance Diagram

	3%	15.6 lx
	5%	26.1 lx
	10%	52.1 lx
	30%	156 lx
	50%	261 lx

Conditions:
Number of c-planes: 2
Lux at center: 521 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 Rêve E-3: 50° Lens - Full Power

Report Summary

Output

Total Lumens: 12216 lm
Peak Intensity: 21751 cd
Illuminance @ 5m: 870 lux
Fixture Efficacy: 33 lm/W

Optical

Horizontal Beam Angle (50%): 49.5°
Vertical Beam Angle (50%): 49.5°
Horizontal Field Angle (10%): 55.7°
Vertical Field Angle (10%): 55.7°
Horizontal Cutoff Angle (3%): 58.9°
Vertical Cutoff Angle (3%): 58.9°

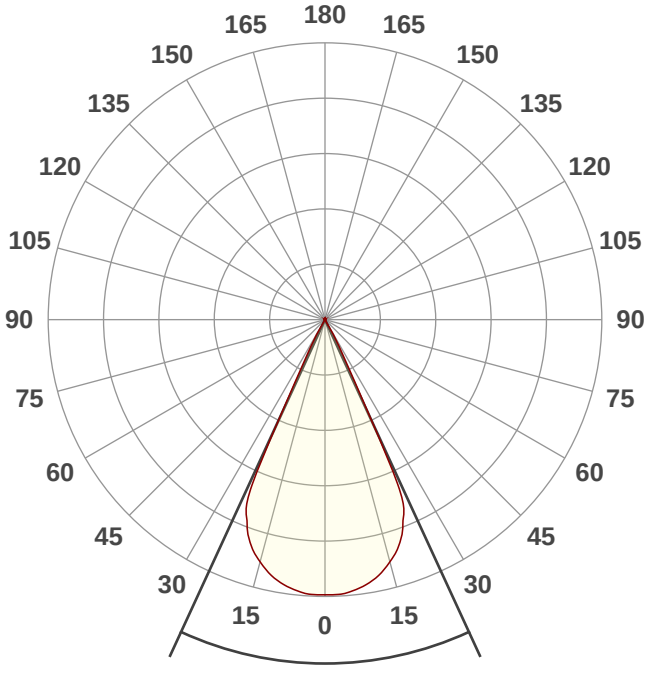
Conditions

AC Supply: 116 V, 60 Hz
Power: 373.95 W
Current: 3.22 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 3/11/2021 to LM-63-2002 Standards.

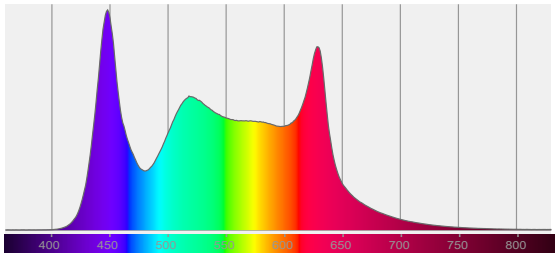
Overall Measurement

Angular Beam Distribution

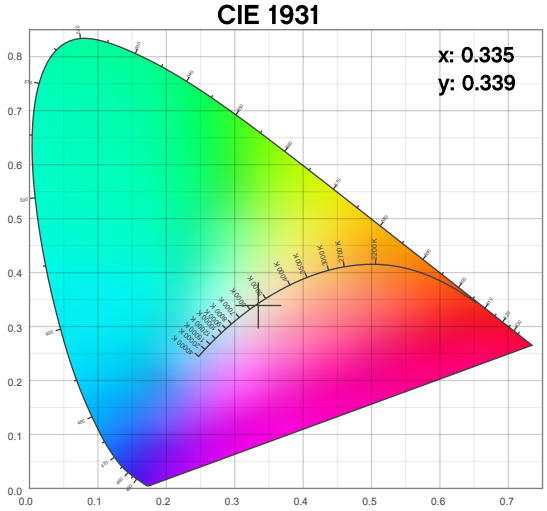


Beam Angle 49.5°

Spectral Distribution



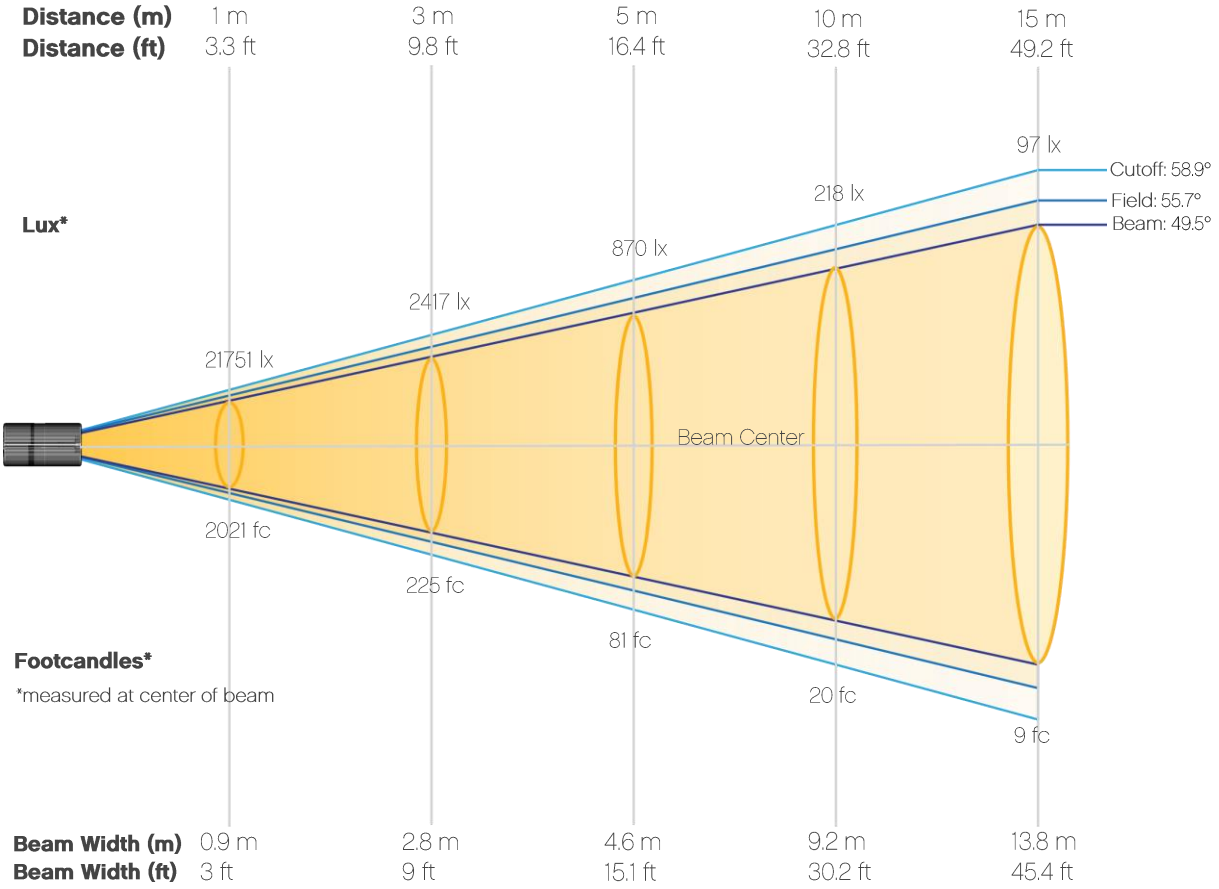
CIE 1931



Photometric Report

Ovation Rêve E-3: 50° Lens - Full Power

Beam Details



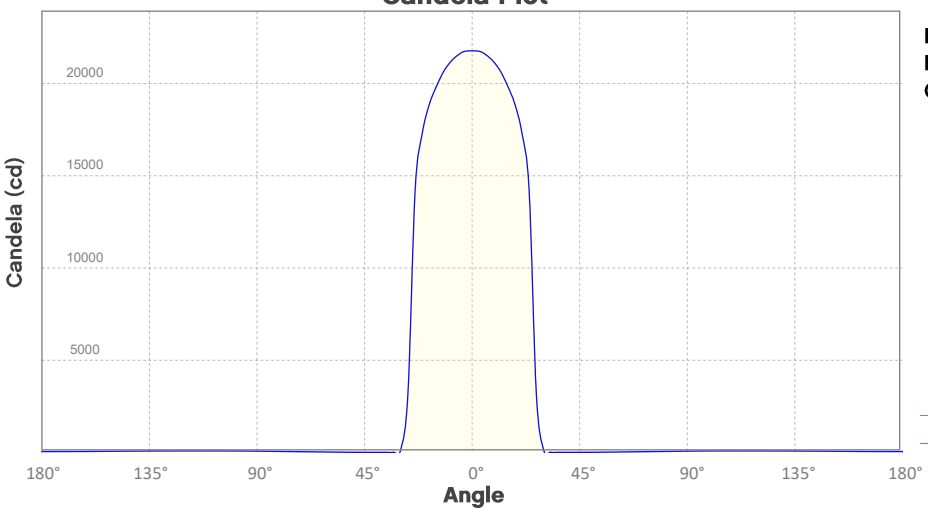
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	21751	5438	2417	1359	870	604	444	340	269	218
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	180	151	129	111	97	85	75	67	60	54
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2021	505	225	126	81	56	41	32	25	20
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	17	14	12	10	9	8	7	6	6	5

Photometric Report

Ovation Rêve E-3: 50° Lens - Full Power

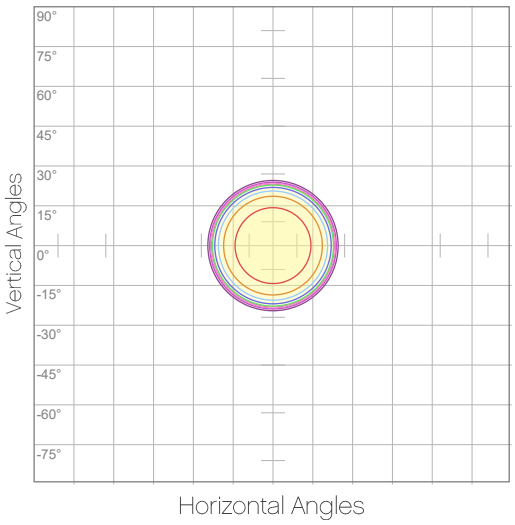
Candela Plot



Beam Angle (50%): 49.5°
Field Angle (10%): 55.7°
Cutoff Angle (3%): 58.9°

Horizontal Distribution
Vertical Distribution

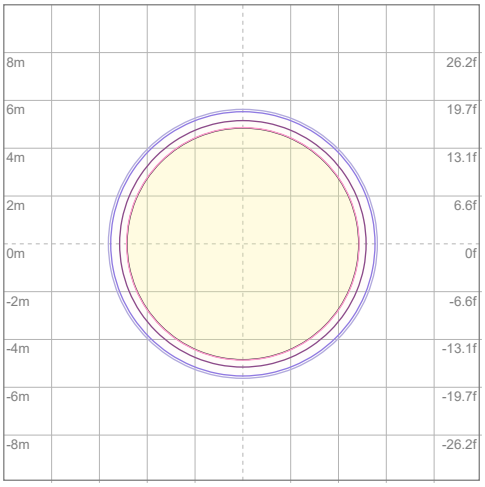
Polar Diagrams



iso-candela Diagram

10%	2175 cd
20%	4350 cd
30%	6525 cd
40%	8700 cd
50%	10875 cd
60%	13050 cd
70%	15225 cd
80%	17400 cd
90%	19575 cd

Conditions:
Number of c-planes: 2
Candela at center: 21751 cd



iso-illuminance Diagram

3%	6.53 lx
5%	10.9 lx
10%	21.8 lx
30%	65.3 lx
50%	109 lx

Conditions:
Number of c-planes: 2
Lux at center: 218 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 Rêve E-3: 15°-30° Zoom Lens - 15° - Full Power

Report Summary

Output

Total Lumens: 9031 lm
Peak Intensity: 232292 cd
Illuminance @ 5m: 9292 lux
Fixture Efficacy: 57 lm/W

Optical

Horizontal Beam Angle (50%): 13°
Vertical Beam Angle (50%): 13°
Horizontal Field Angle (10%): 15.4°
Vertical Field Angle (10%): 15.4°
Horizontal Cutoff Angle (3%): 16.4°
Vertical Cutoff Angle (3%): 16.4°

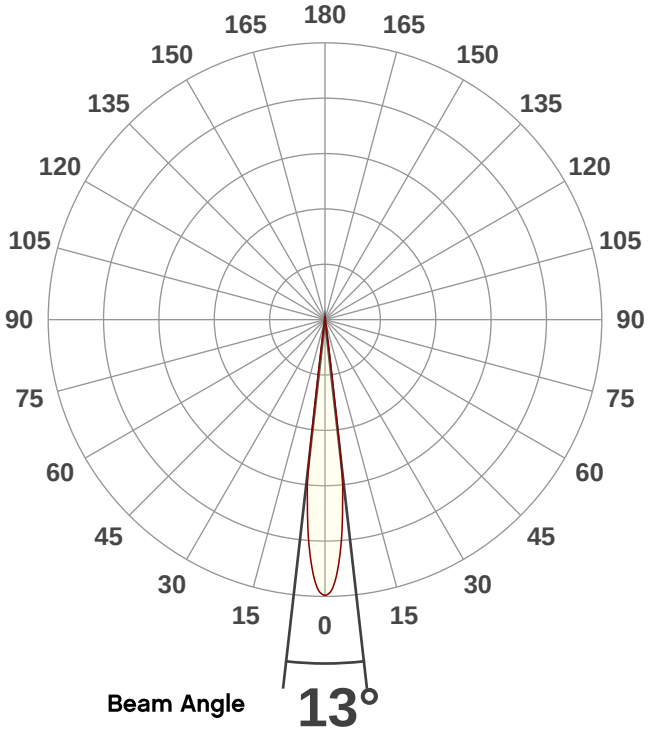
Conditions

AC Supply: 121 V, 60 Hz
Power: 765.96 W
Current: 6.36 A
Power Factor: 0.21

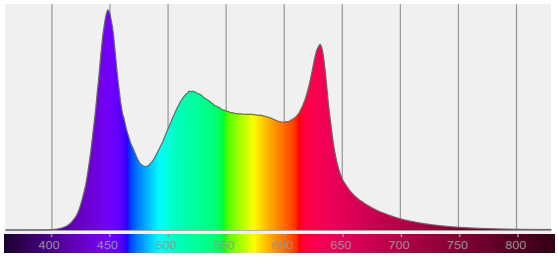
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 3/1/2021 to LM-63-2002 Standards.

Overall Measurement

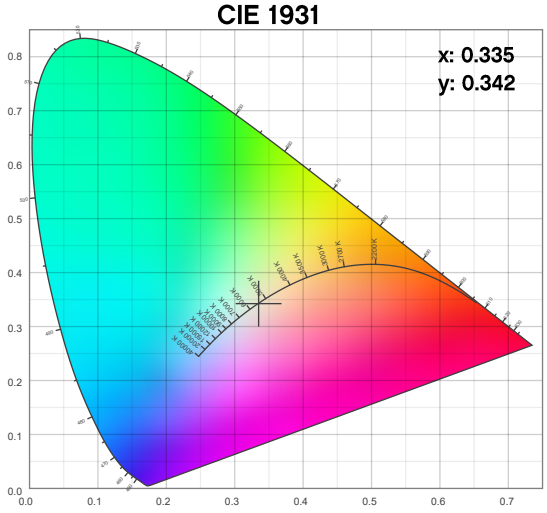
Angular Beam Distribution



Spectral Distribution



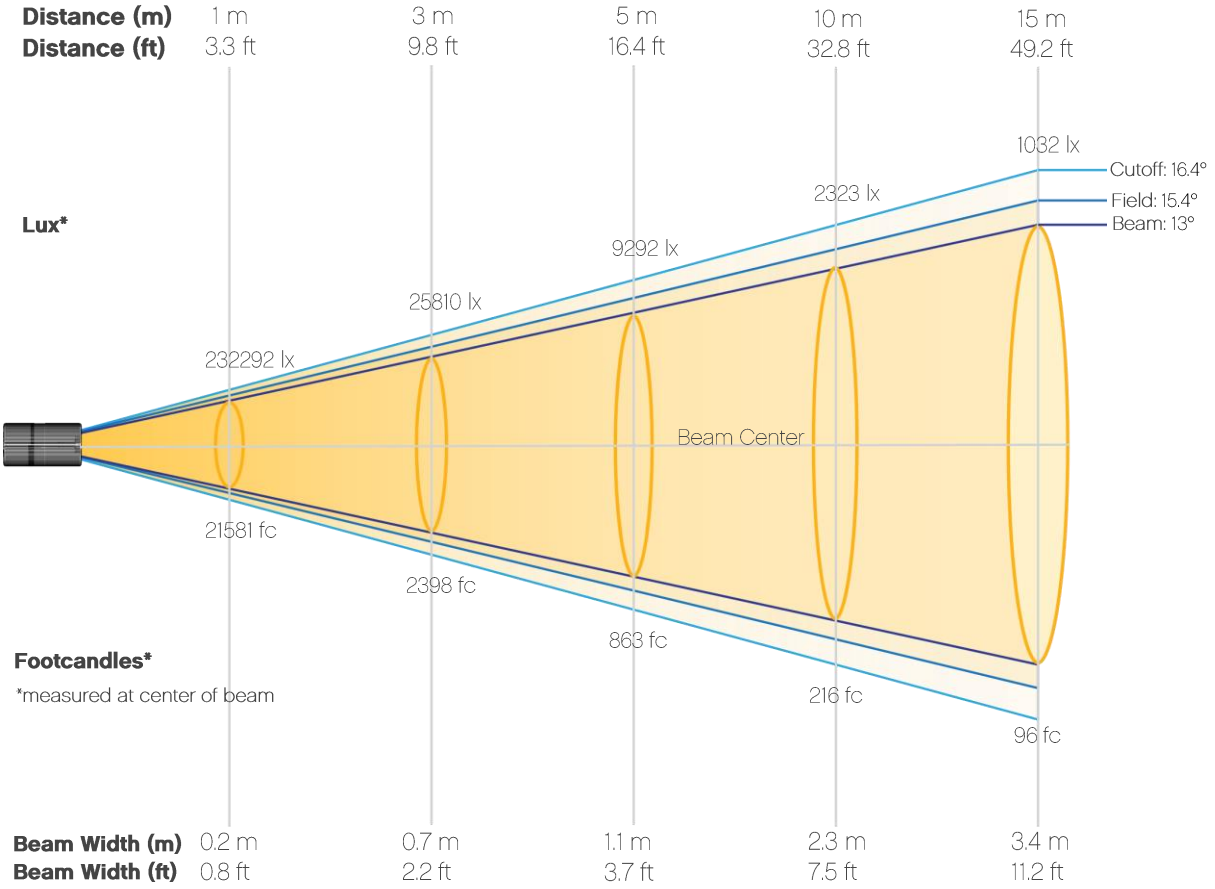
CIE 1931



Photometric Report

Ovation Rêve E-3: 15°-30° Zoom Lens - 15° - Full Power

Beam Details



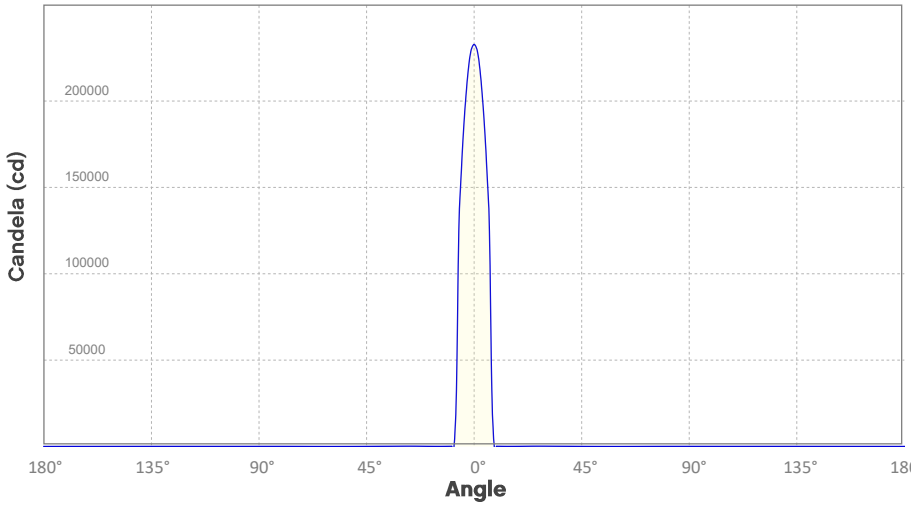
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	232292	58073	25810	14518	9292	6453	4741	3630	2868	2323
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1920	1613	1375	1185	1032	907	804	717	643	581
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	21581	5395	2398	1349	863	599	440	337	266	216
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	178	150	128	110	96	84	75	67	60	54

Photometric Report

Ovation Rêve E-3: 15°-30° Zoom Lens - 15° - Full Power

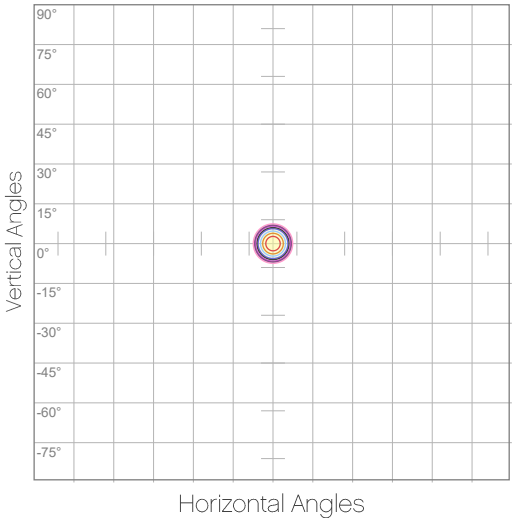
Candela Plot



Beam Angle (50%): 13°
Field Angle (10%): 15.4°
Cutoff Angle (3%): 16.4°

Horizontal Distribution
Vertical Distribution

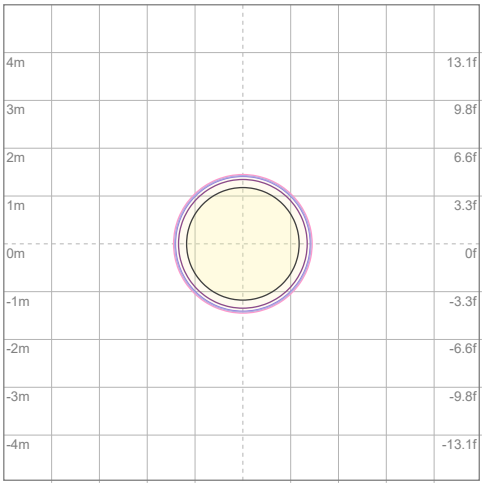
Polar Diagrams



iso-candela Diagram

10%	23229 cd
20%	46458 cd
30%	69688 cd
40%	92917 cd
50%	116146 cd
60%	139375 cd
70%	162605 cd
80%	185834 cd
90%	209063 cd

Conditions:
Number of c-planes: 2
Candela at center: 232292 cd



iso-illuminance Diagram

3%	69.7 lx
5%	116 lx
10%	232 lx
30%	697 lx
50%	1161 lx

Conditions:
Number of c-planes: 2
Lux at center: 2323 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 Rêve E-3: 15°-30° Zoom Lens - 30° - Full Power

Report Summary

Output

Total Lumens: 12057 lm
Peak Intensity: 66784 cd
Illuminance @ 5m: 2671 lux
Fixture Efficacy: 59 lm/W

Optical

Horizontal Beam Angle (50%): 28.5°
Vertical Beam Angle (50%): 28.5°
Horizontal Field Angle (10%): 32.2°
Vertical Field Angle (10%): 32.2°
Horizontal Cutoff Angle (3%): 33.7°
Vertical Cutoff Angle (3%): 33.7°

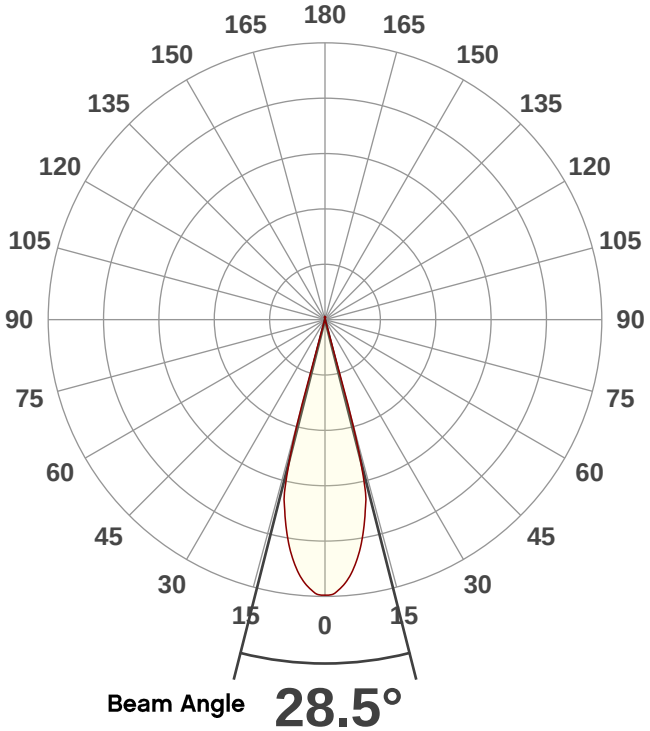
Conditions

AC Supply: 120 V, 60 Hz
Power: 913.5 W
Current: 7.59 A
Power Factor: 0.22

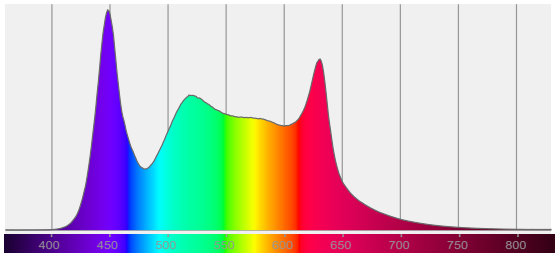
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 3/1/2021 to LM-63-2002 Standards.

Overall Measurement

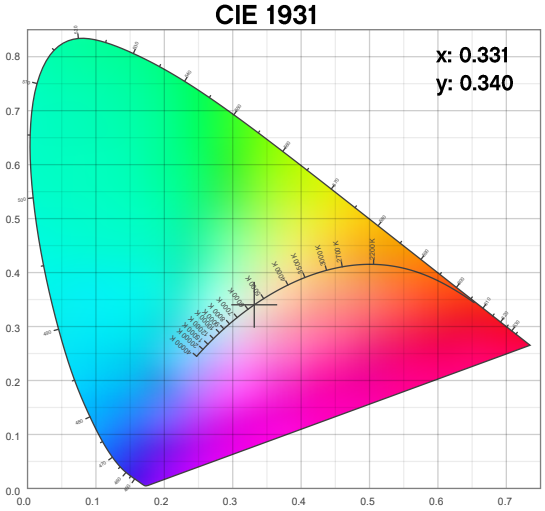
Angular Beam Distribution



Spectral Distribution



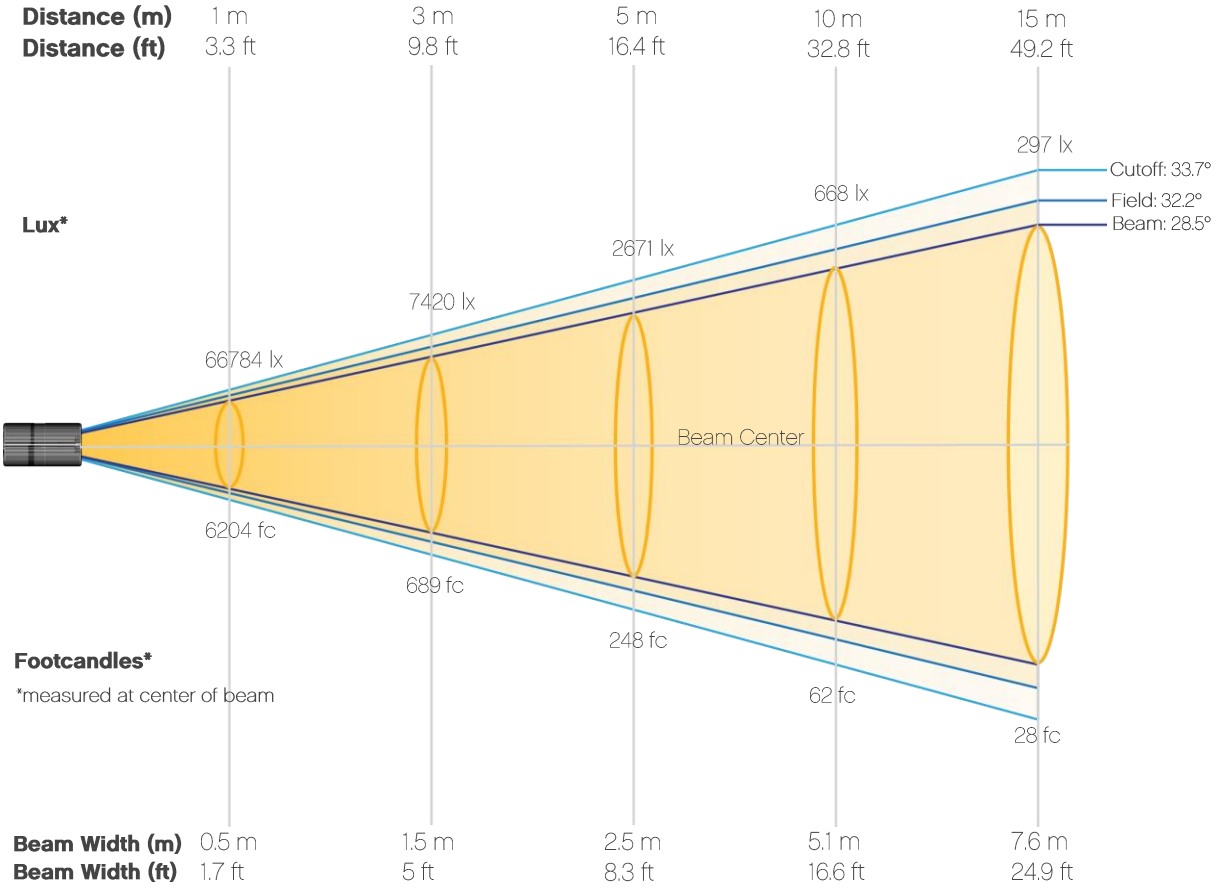
CIE 1931



Photometric Report

Ovation Rêve E-3: 15°-30° Zoom Lens - 30° - Full Power

Beam Details



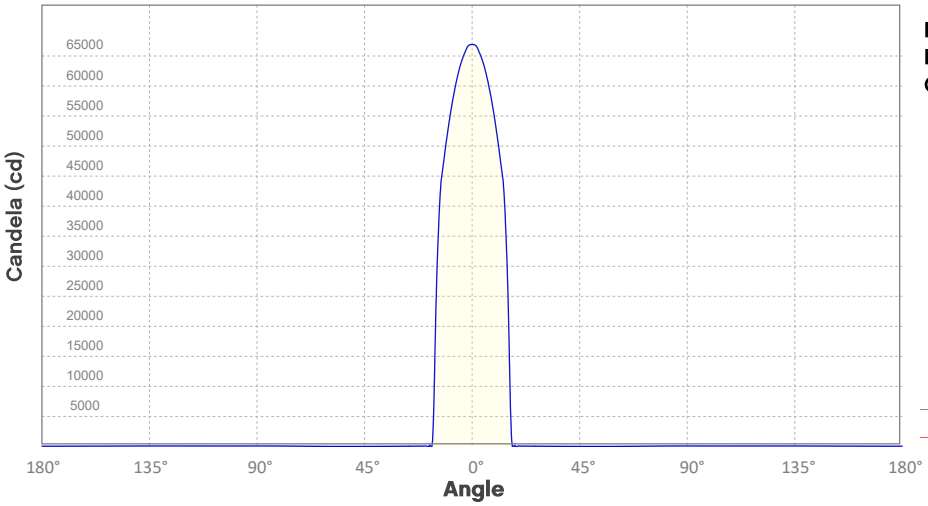
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	66784	16696	7420	4174	2671	1855	1363	1044	824	668
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	552	464	395	341	297	261	231	206	185	167
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	6204	1551	689	388	248	172	127	97	77	62
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	51	43	37	32	28	24	21	19	17	16

Photometric Report

Ovation Rêve E-3: 15°-30° Zoom Lens - 30° - Full Power

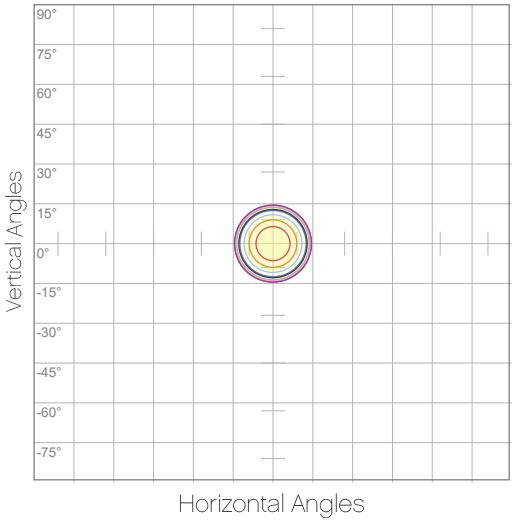
Candela Plot



Beam Angle (50%): 28.5°
Field Angle (10%): 32.2°
Cutoff Angle (3%): 33.7°

Horizontal Distribution
Vertical Distribution

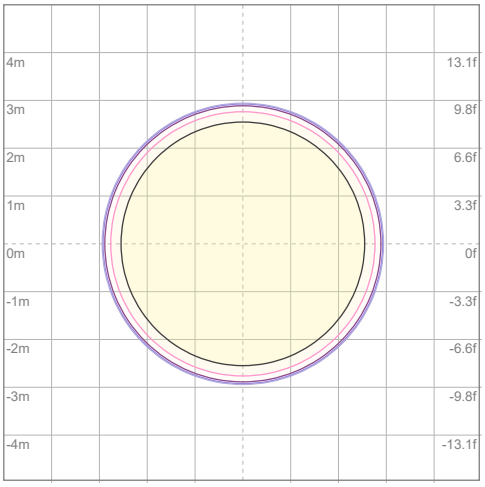
Polar Diagrams



iso-candela Diagram

10%	6678 cd
20%	13357 cd
30%	20035 cd
40%	26714 cd
50%	33392 cd
60%	40071 cd
70%	46749 cd
80%	53427 cd
90%	60106 cd

Conditions:
Number of c-planes: 2
Candela at center: 66784 cd



iso-illuminance Diagram

3%	20.0 lx
5%	33.4 lx
10%	66.8 lx
30%	200 lx
50%	334 lx

Conditions:
Number of c-planes: 2
Lux at center: 668 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 Rêve E-3: 25°-50° Zoom Lens - 25° - Full Power

Report Summary

Output

Total Lumens: 12340 lm
Peak Intensity: 92745 cd
Illuminance @ 5m: 3710 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 23.6°
Vertical Beam Angle (50%): 23.6°
Horizontal Field Angle (10%): 25.8°
Vertical Field Angle (10%): 25.8°
Horizontal Cutoff Angle (3%): 28.3°
Vertical Cutoff Angle (3%): 28.3°

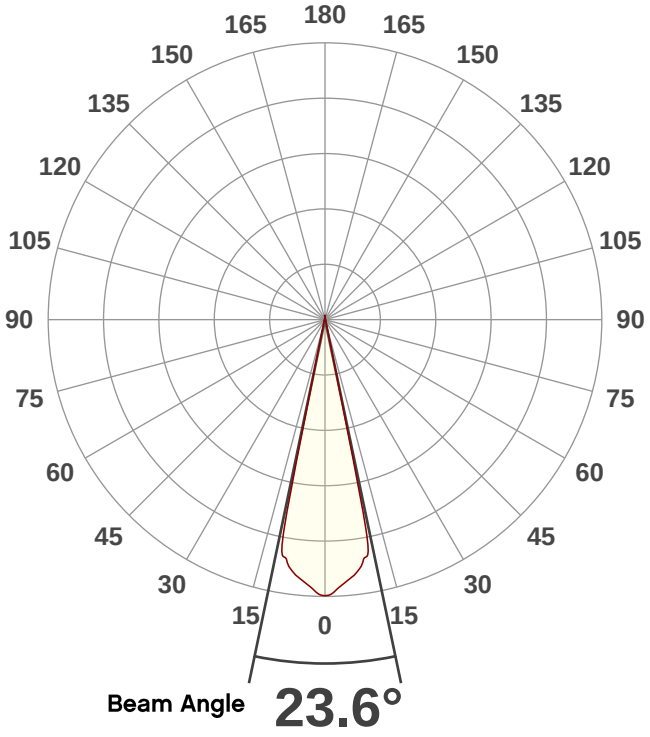
Conditions

AC Supply: 118 V, 60 Hz
Power: 1307.53 W
Current: 11.1 A
Power Factor: 0.97

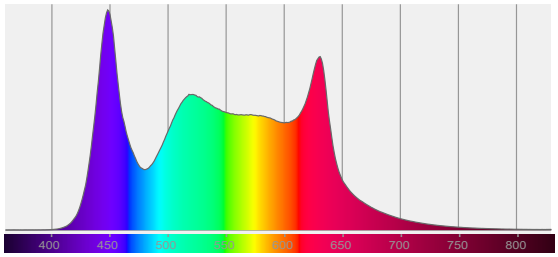
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 3/1/2021 to LM-63-2002 Standards.

Overall Measurement

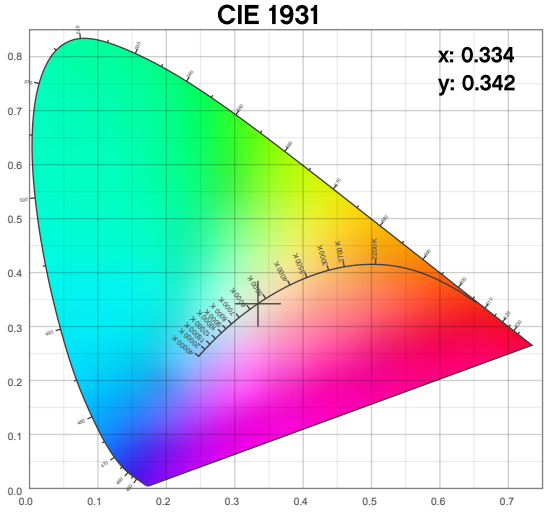
Angular Beam Distribution



Spectral Distribution



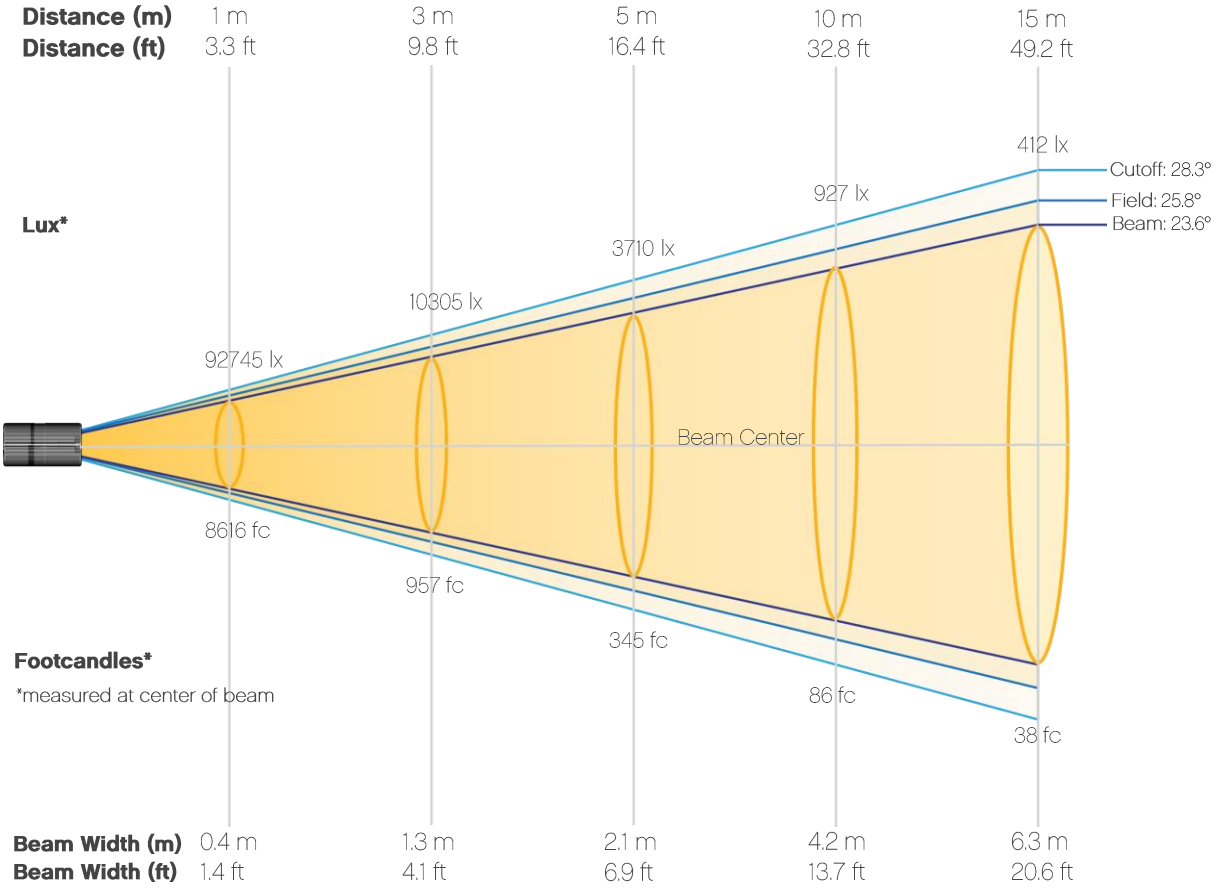
CIE 1931



Photometric Report

Ovation Rêve E-3: 25°-50° Zoom Lens - 25° - Full Power

Beam Details



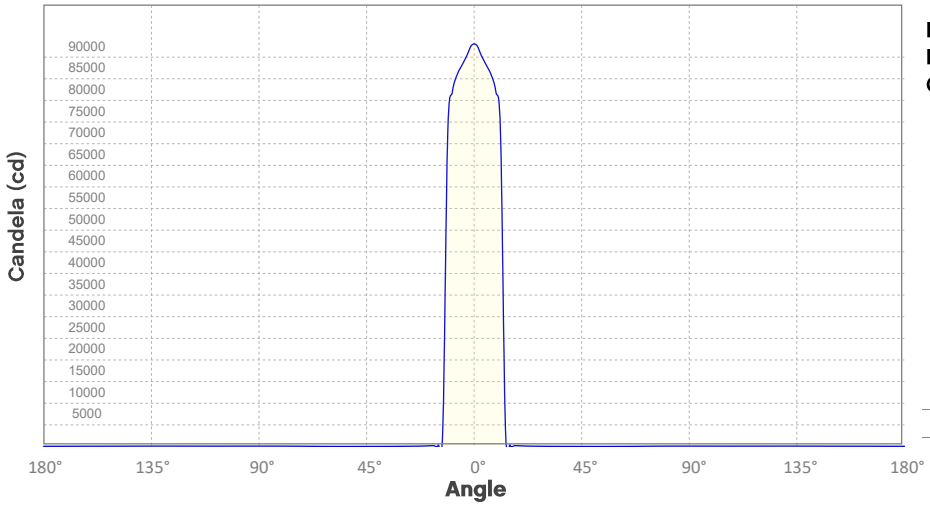
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	92745	23186	10305	5797	3710	2576	1893	1449	1145	927
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	766	644	549	473	412	362	321	286	257	232
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	8616	2154	957	539	345	239	176	135	106	86
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	71	60	51	44	38	34	30	27	24	22

Photometric Report

Ovation Rêve E-3: 25°-50° Zoom Lens - 25° - Full Power

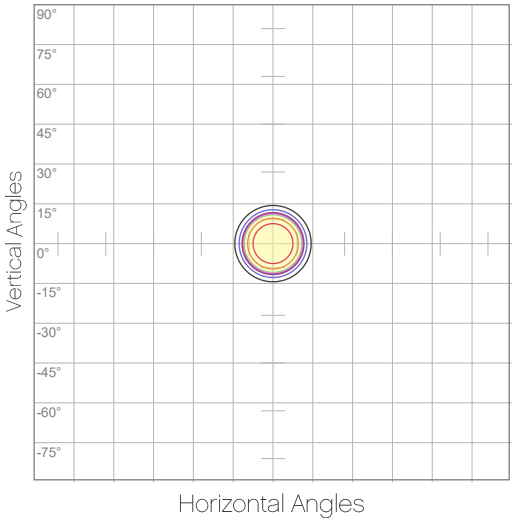
Candela Plot



Beam Angle (50%): 23.6°
Field Angle (10%): 25.8°
Cutoff Angle (3%): 28.3°

Horizontal Distribution
Vertical Distribution

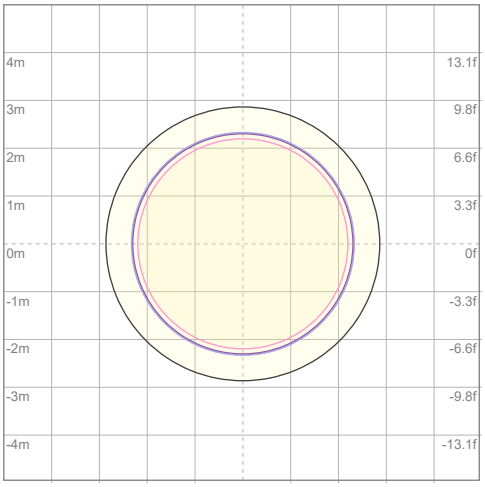
Polar Diagrams



iso-candela Diagram

10%	9275 cd
20%	18549 cd
30%	27824 cd
40%	37098 cd
50%	46373 cd
60%	55647 cd
70%	64922 cd
80%	74196 cd
90%	83471 cd

Conditions:
Number of c-planes: 2
Candela at center: 92745 cd



iso-illuminance Diagram

3%	27.8 lx
5%	46.4 lx
10%	92.7 lx
30%	278 lx
50%	464 lx

Conditions:
Number of c-planes: 2
Lux at center: 927 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 Rêve E-3: 25°-50° Zoom Lens - 50° - Full Power

Report Summary

Output

Total Lumens: 14355 lm
Peak Intensity: 38186 cd
Illuminance @ 5m: 1527 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 40.5°
Vertical Beam Angle (50%): 40.5°
Horizontal Field Angle (10%): 44.1°
Vertical Field Angle (10%): 44.1°
Horizontal Cutoff Angle (3%): 44.8°
Vertical Cutoff Angle (3%): 44.8°

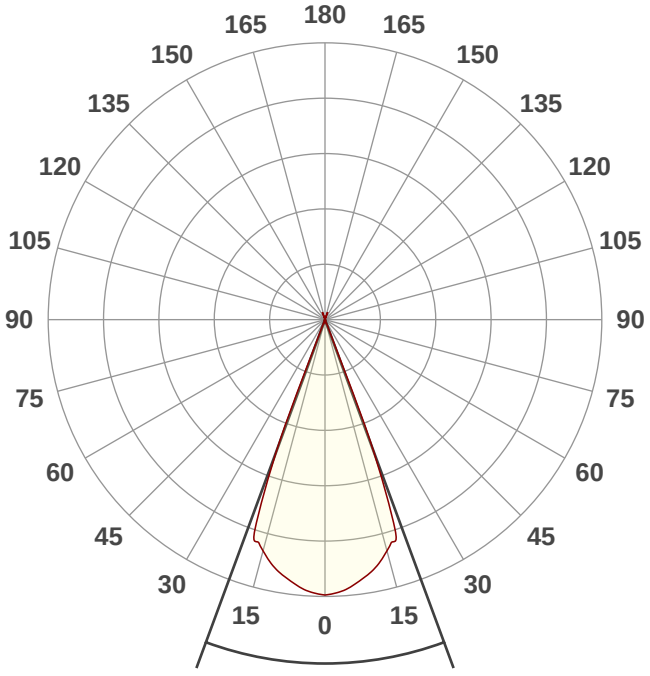
Conditions

AC Supply: 118 V, 60 Hz
Power: 1492.51 W
Current: 12.6 A
Power Factor: 0.96

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 3/1/2021 to LM-63-2002 Standards.

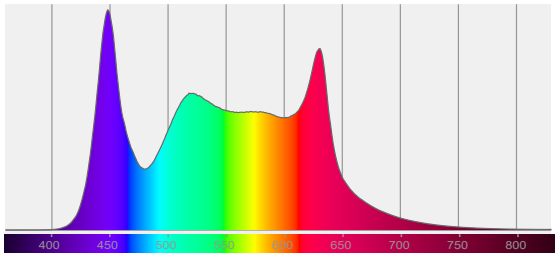
Overall Measurement

Angular Beam Distribution

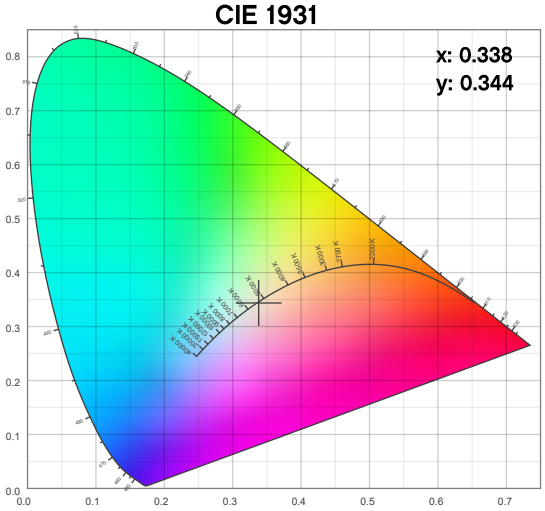


Beam Angle 40.5°

Spectral Distribution



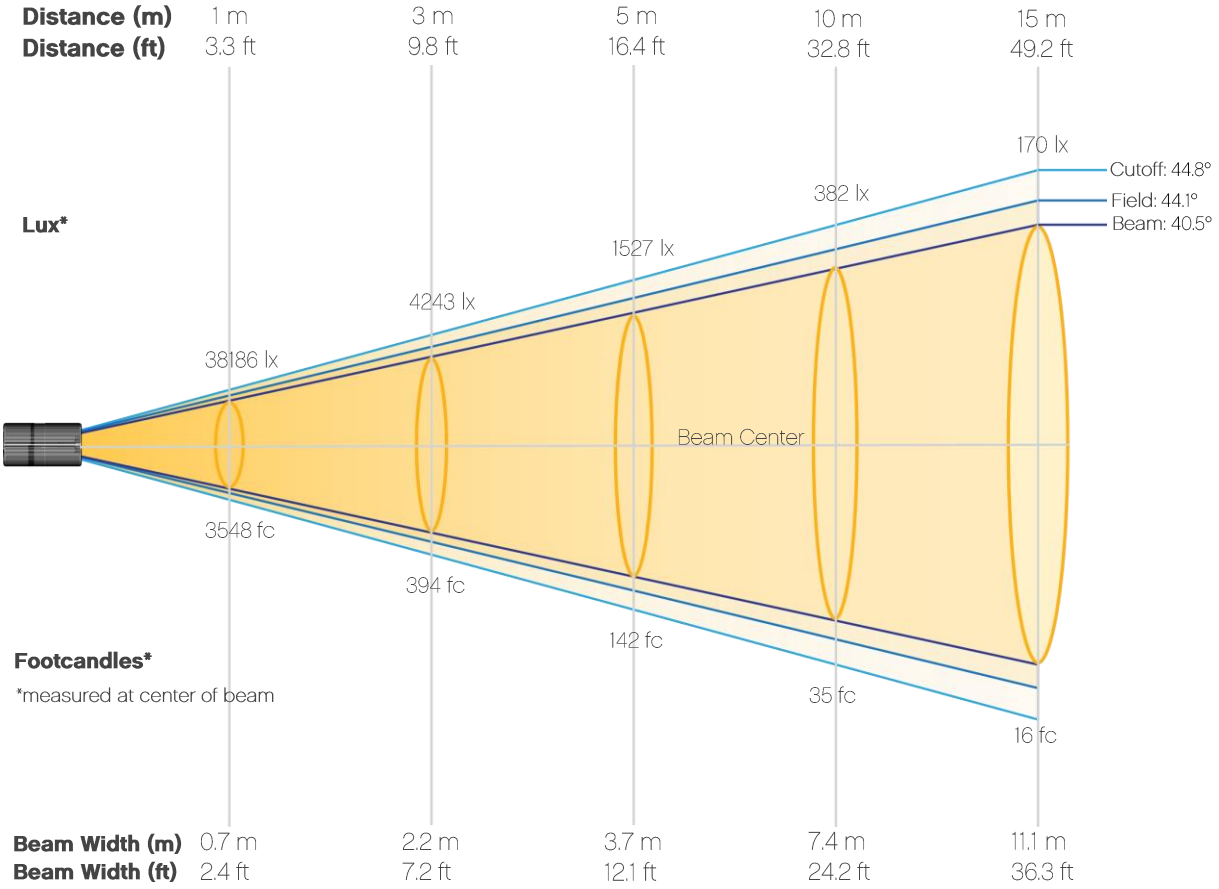
CIE 1931



Photometric Report

Ovation Rêve E-3: 25°-50° Zoom Lens - 50° - Full Power

Beam Details



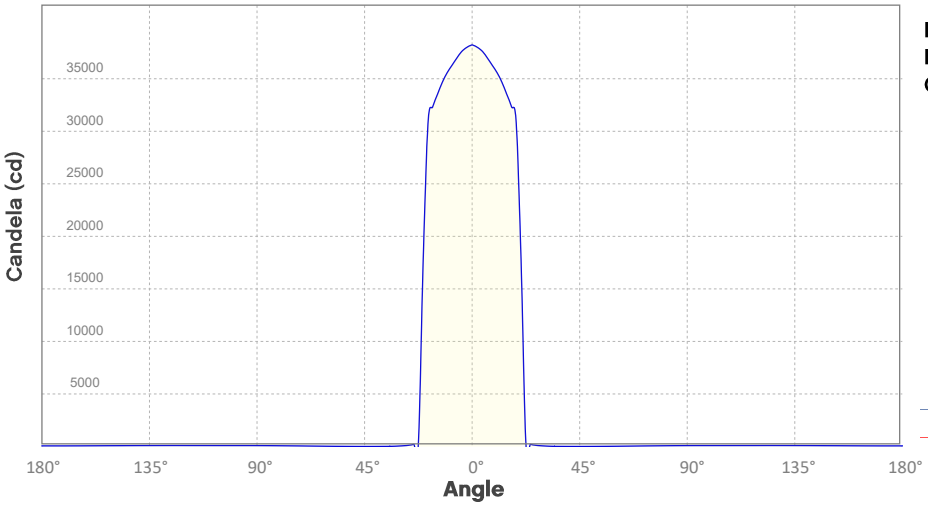
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	38186	9547	4243	2387	1527	1061	779	597	471	382
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	316	265	226	195	170	149	132	118	106	95
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	3548	887	394	222	142	99	72	55	44	35
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	29	25	21	18	16	14	12	11	10	9

Photometric Report

Ovation Rêve E-3: 25°-50° Zoom Lens - 50° - Full Power

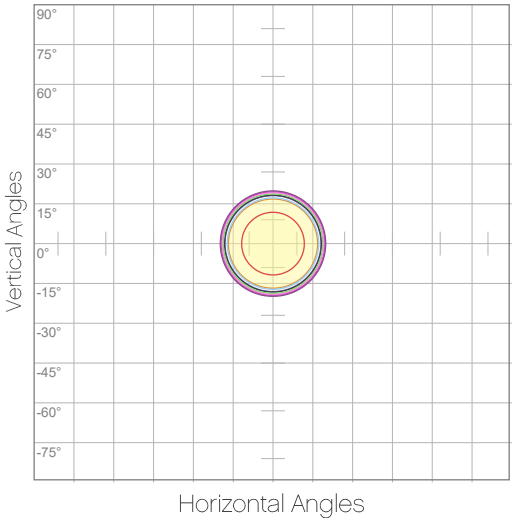
Candela Plot



Beam Angle (50%): 40.5°
Field Angle (10%): 44.1°
Cutoff Angle (3%): 44.8°

Horizontal Distribution
Vertical Distribution

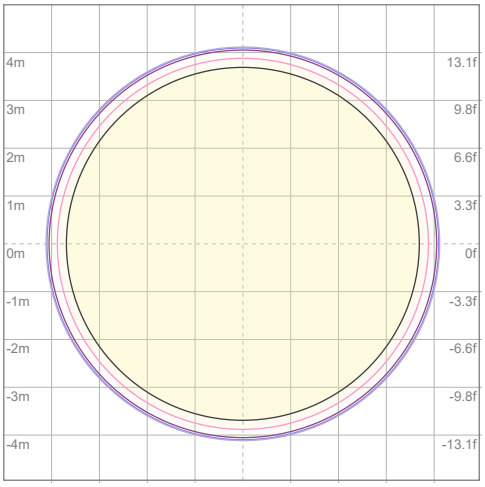
Polar Diagrams



iso-candela Diagram

	10%	3819 cd
	20%	7637 cd
	30%	11456 cd
	40%	15274 cd
	50%	19093 cd
	60%	22912 cd
	70%	26730 cd
	80%	30549 cd
	90%	34368 cd

Conditions:
Number of c-planes: 2
Candela at center: 38186 cd



iso-illuminance Diagram

	3%	11.5 lx
	5%	19.1 lx
	10%	38.2 lx
	30%	115 lx
	50%	191 lx

Conditions:
Number of c-planes: 2
Lux at center: 382 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 Rêve E-3: 3200K - 26° Lens - Full Power

Report Summary

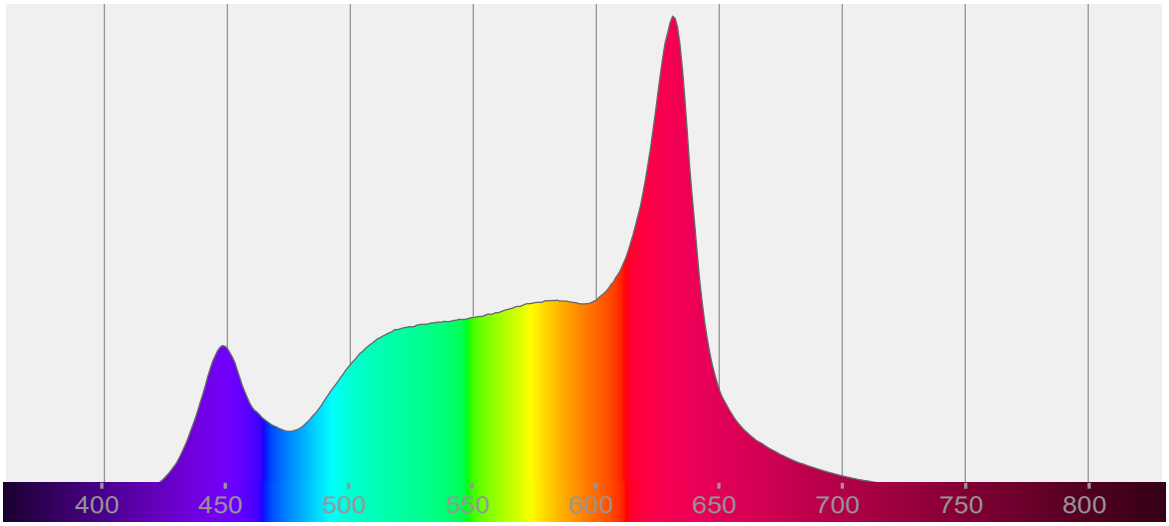
Measurements

Total Lumens: 11172 lm
Peak Intensity: 71027 cd
Fixture Efficacy: 37 lm/W

Correlated Color Temperature: 3254K
Δuv: -0.0004

CRI: 95.4 CRI R9 Value: 95.9
CQS: 95.3
TLCI: 89
TM-30-18 Rf: 94.3
TM-30-18 Rg: 103.6
1st Dominant Wavelength: 631 nM
2nd Dominant Wavelength: 584 nM

Spectral Distribution



Tested Color

3254 K
CIE 1931 Coordinates:
X: 0.420 Y: 0.397

Color Temperature

3254 K

Light Quality

CRI: 95.4

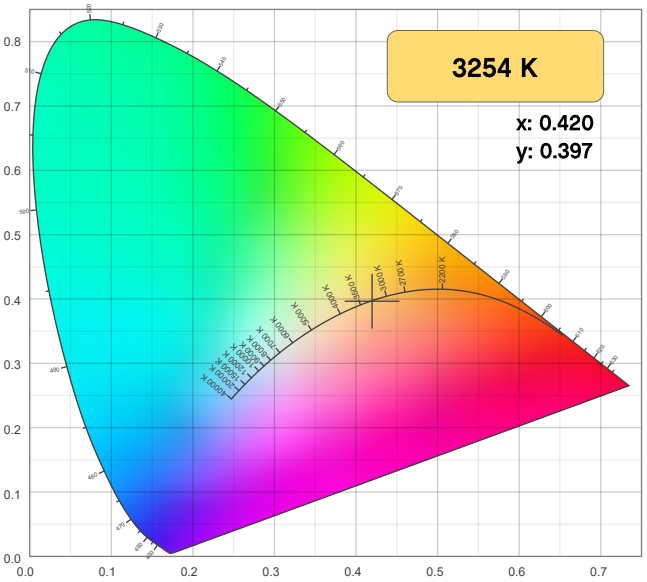
Notes:

Chromaticity Report

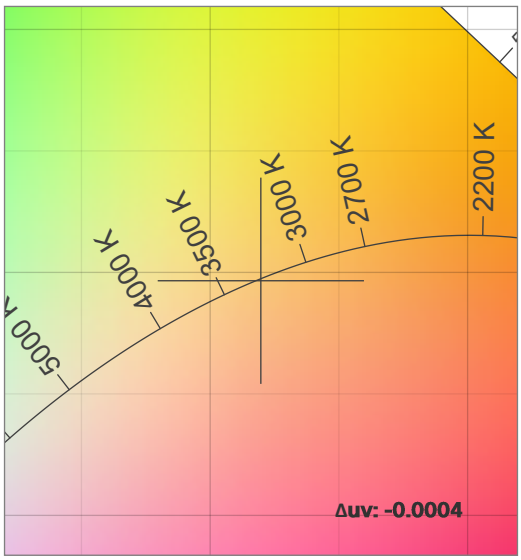
Ovation Rêve E-3: 3200K - 26° Lens - Full Power

Chromaticity

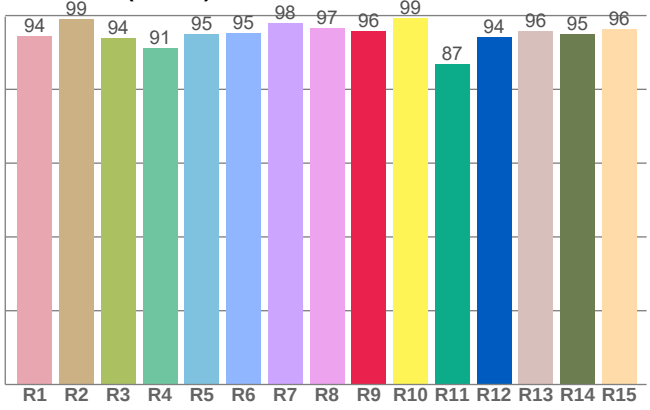
CIE 1931



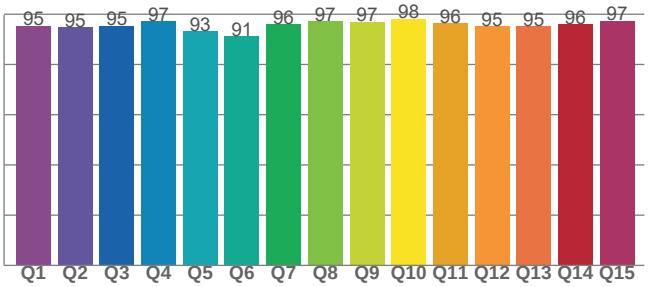
CIE 1931 - Zoom



CRI: 95.4 (R1-R8)



CQS: 95.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3254 K	0.420	0.397

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0004	0.397	0.243

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.4	95.9	95.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
89	94.3	103.6

Chromaticity Report

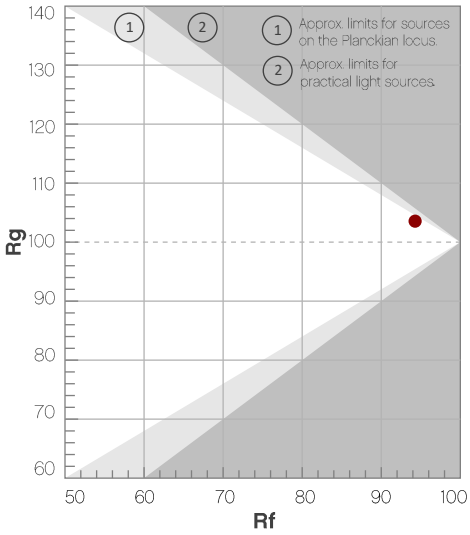
Ovation Rêve E-3: 3200K - 26° Lens - Full Power

TM-30-18 Details

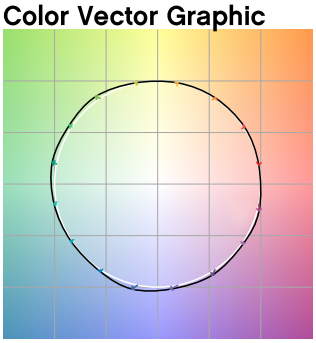
Rf 94.3
Fidelity Index (Rg)

Rg 103.6
Gamut Index (Rg)

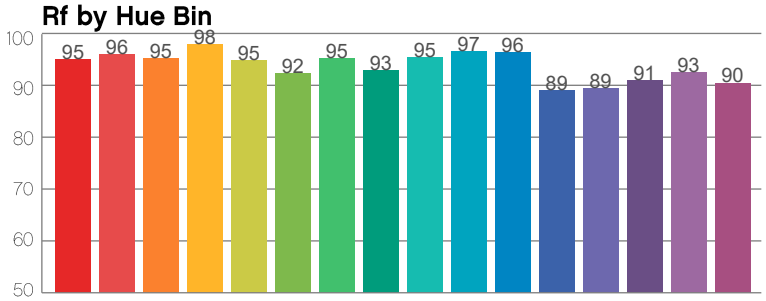
Hue Bin	R_f	Chroma Shift	Hue Shift
1	95	0%	-1%
2	96	1%	-1%
3	95	0%	0%
4	98	0%	0%
5	95	0%	2%
6	92	4%	3%
7	95	3%	0%
8	93	4%	-1%
9	95	2%	-1%
10	97	1%	-1%
11	96	2%	1%
12	89	5%	-5%
13	89	2%	-8%
14	91	3%	-5%
15	93	1%	-3%
16	90	2%	-6%



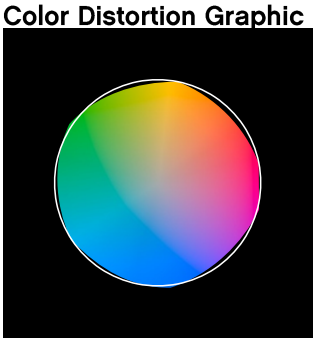
Color Vector Graphic



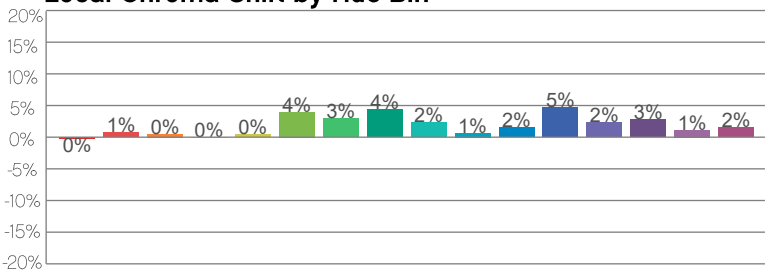
Rf by Hue Bin



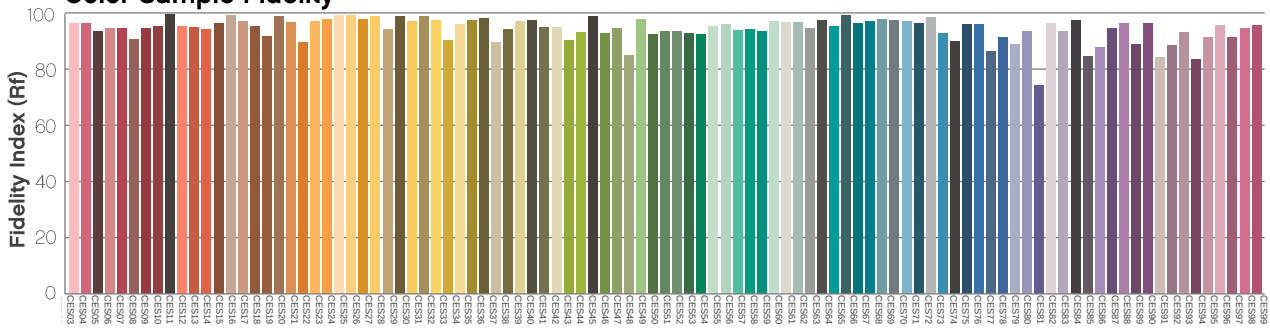
Color Distortion Graphic



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Ovation Rêve E-3: 4000K - 26° Lens - Full Power

Report Summary

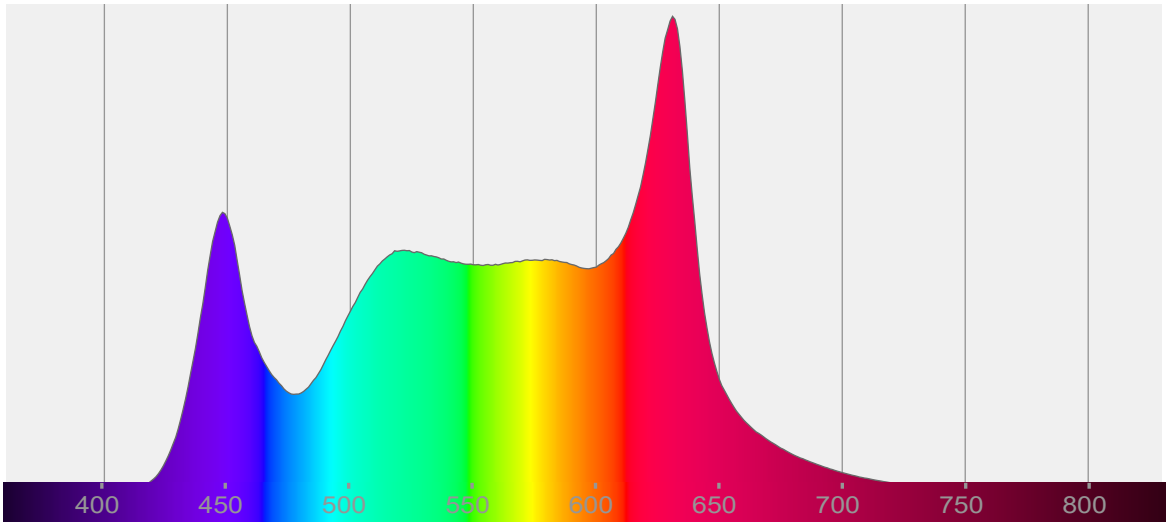
Measurements

Total Lumens: 12487 lm
Peak Intensity: 78926 cd
Fixture Efficacy: 36 lm/W

Correlated Color Temperature: 4053K
Δuv: 0.0006

CRI: 96.1 CRI R9 Value: 98.0
CQS: 96.4
TLCI: 90
TM-30-18 Rf: 94.2
TM-30-18 Rg: 103.2
1st Dominant Wavelength: 631 nM
2nd Dominant Wavelength: 448 nM

Spectral Distribution



Tested Color

4053 K
CIE 1931 Coordinates:
X: 0.379 Y: 0.377

Color Temperature

4053 K

Light Quality

CRI: 96.1

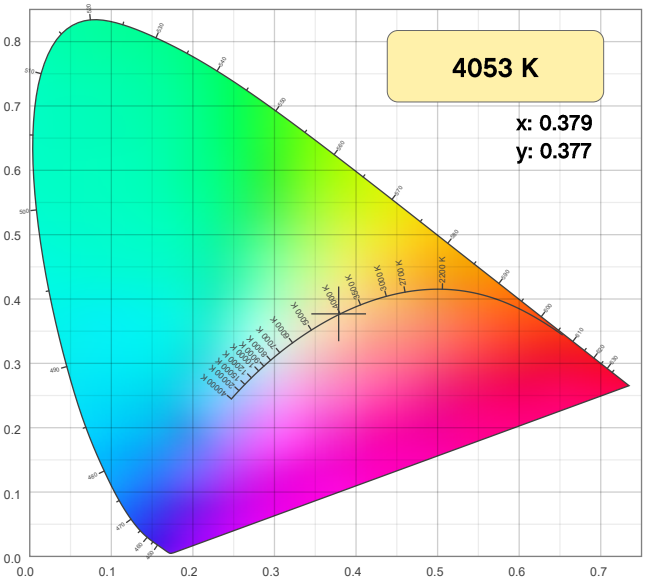
Notes:

Chromaticity Report

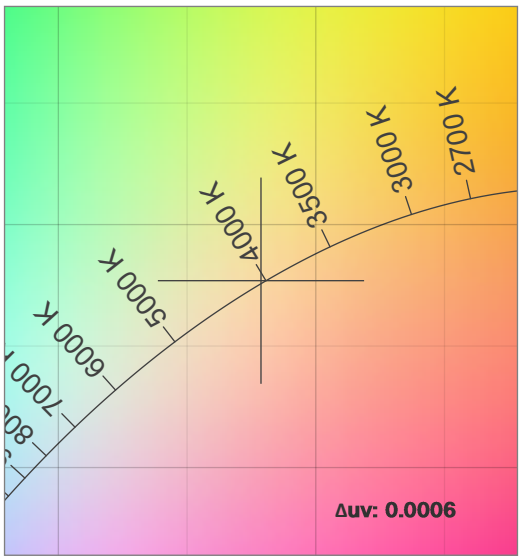
Ovation Rêve E-3: 4000K - 26° Lens - Full Power

Chromaticity

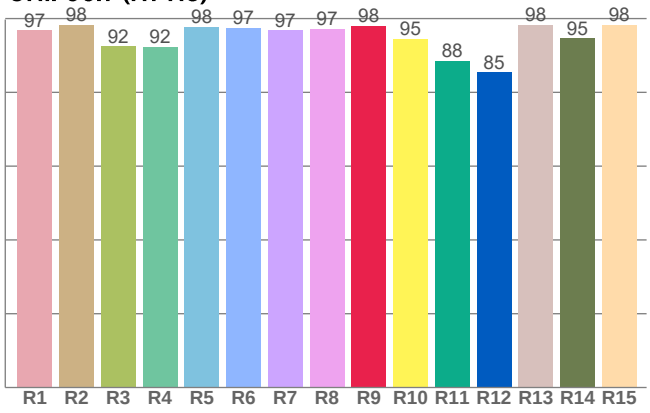
CIE 1931



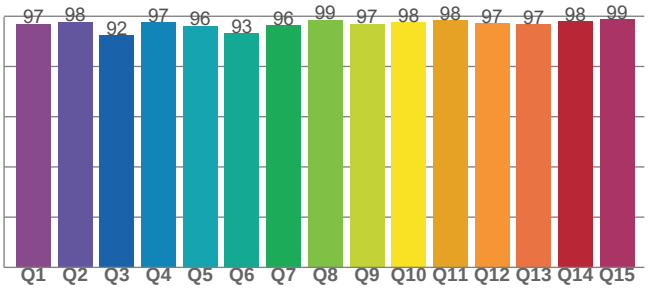
CIE 1931 - Zoom



CRI: 96.1 (R1-R8)



CQS: 96.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4053 K	0.379	0.377

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0006	0.377	0.224

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.1	98.0	96.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
90	94.2	103.2

Chromaticity Report

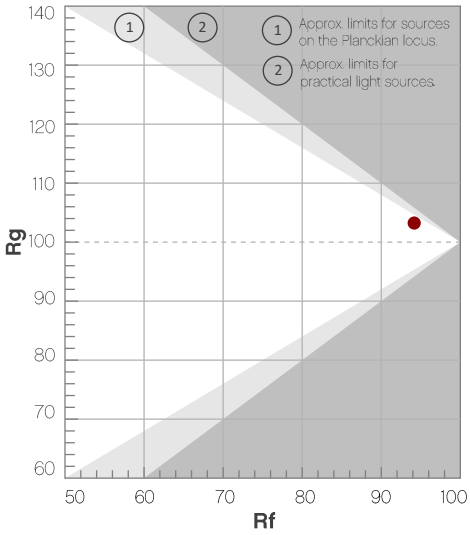
Ovation Rêve E-3: 4000K - 26° Lens - Full Power

TM-30-18 Details

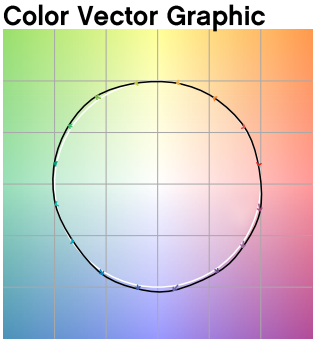
Rf 94.2
Fidelity Index (Rg)

Rg 103.2
Gamut Index (Rg)

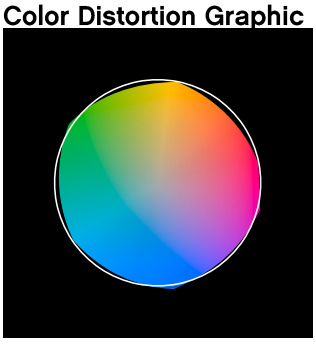
Hue Bin	R_f	Chroma Shift	Hue Shift
1	95	-1%	-1%
2	97	1%	-1%
3	96	0%	1%
4	97	0%	1%
5	94	0%	2%
6	93	4%	3%
7	95	3%	1%
8	94	2%	0%
9	96	1%	0%
10	97	-1%	1%
11	92	3%	4%
12	90	4%	1%
13	91	4%	-5%
14	95	3%	2%
15	91	3%	-5%
16	90	3%	-6%



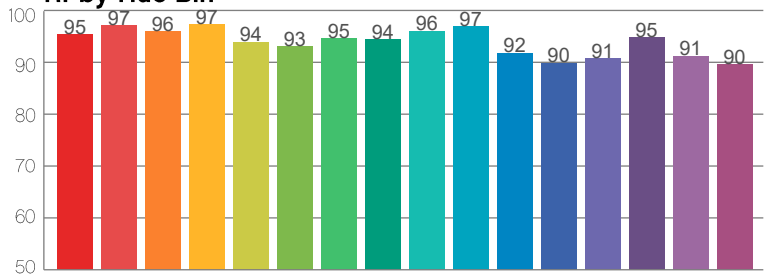
Color Vector Graphic



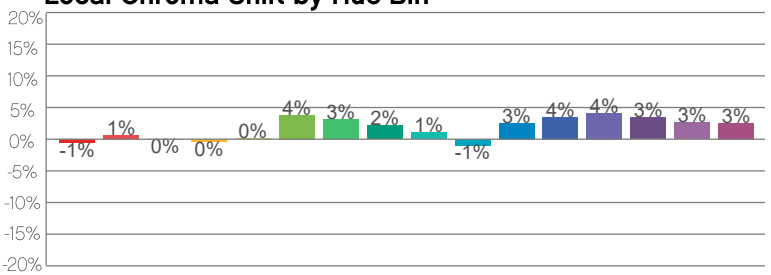
Color Distortion Graphic



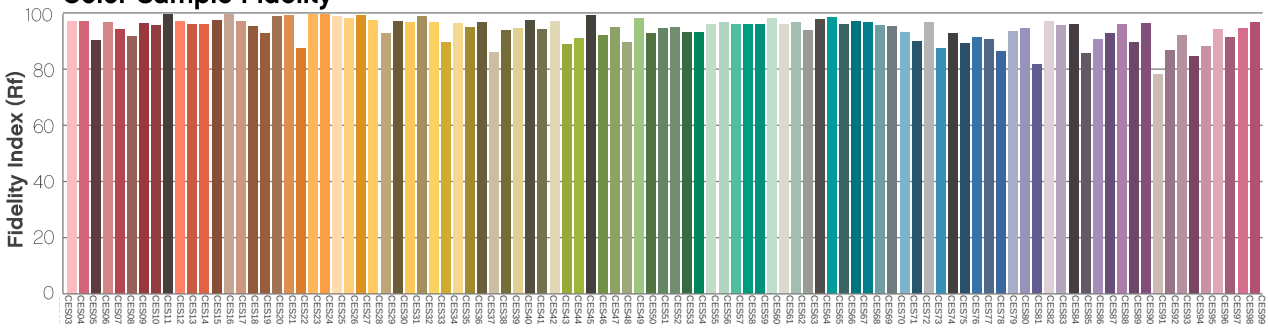
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Ovation Rêve E-3: 5600K - 26° Lens - Full Power

Report Summary

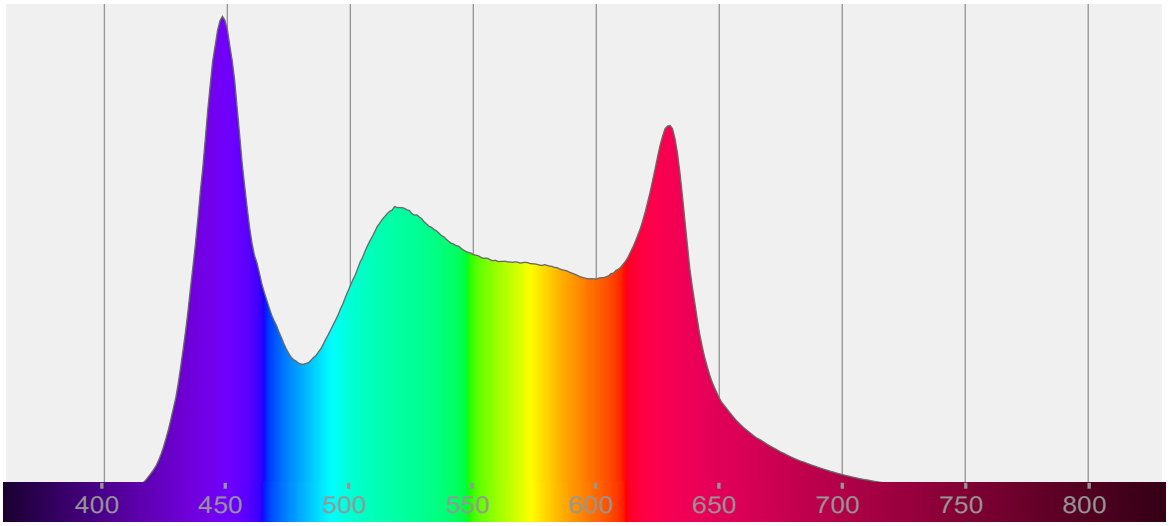
Measurements

Total Lumens: 13023 lm
Peak Intensity: 82696 cd
Fixture Efficacy: 36 lm/W

Correlated Color Temperature: 5657K
Δuv: -0.0040

CRI: 94.4 CRI R9 Value: 95.2
CQS: 94.0
TLCI: 91
TM-30-18 Rf: 92.1
TM-30-18 Rg: 104.6
1st Dominant Wavelength: 448 nM
2nd Dominant Wavelength: 630 nM

Spectral Distribution



Tested Color

5657 K
CIE 1931 Coordinates:
X: 0.329 Y: 0.337

Color Temperature

5657 K

Light Quality

CRI: 94.4

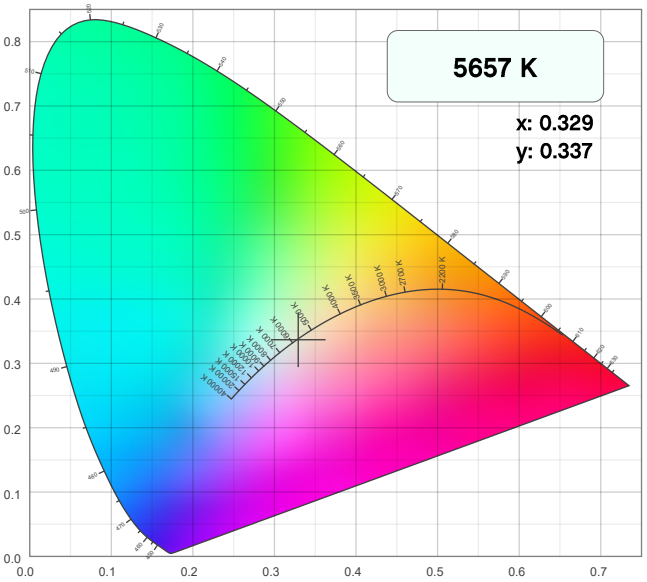
Notes:

Chromaticity Report

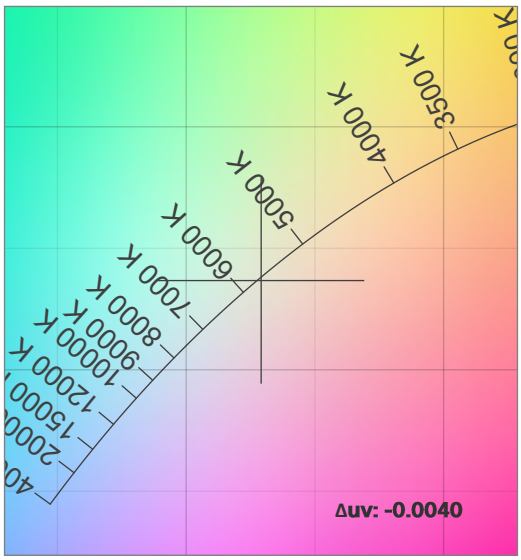
Ovation Rêve E-3: 5600K - 26° Lens - Full Power

Chromaticity

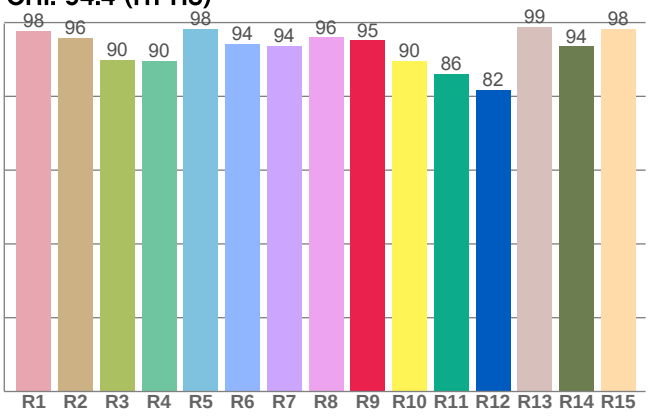
CIE 1931



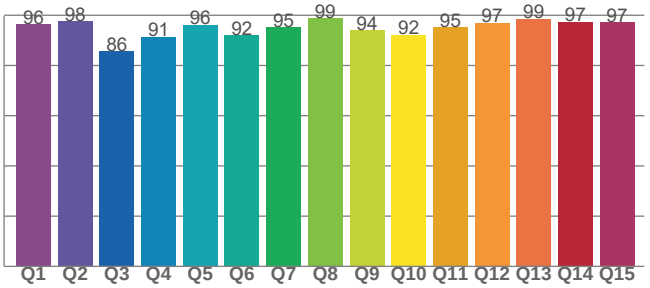
CIE 1931 - Zoom



CRI: 94.4 (R1-R8)



CQS: 94.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5657 K	0.329	0.337

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0040	0.337	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.4	95.2	94.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
91	92.1	104.6

Chromaticity Report

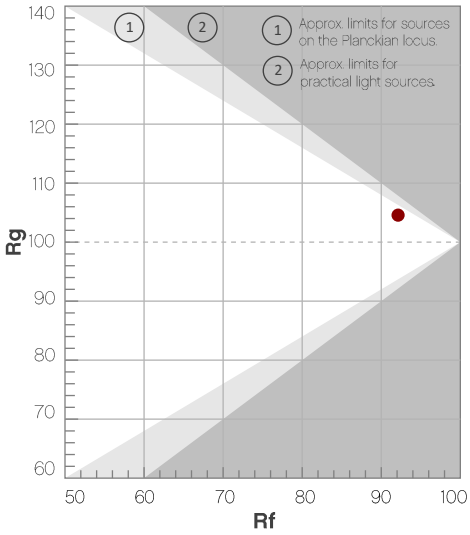
Ovation Rêve E-3: 5600K - 26° Lens - Full Power

TM-30-18 Details

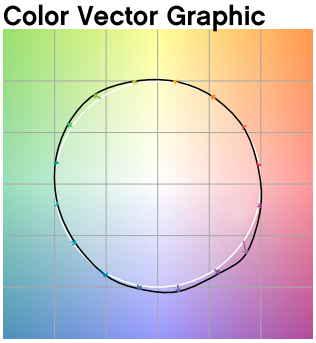
Rf 92.1
Fidelity Index (Rg)

Rg 104.6
Gamut Index (Rg)

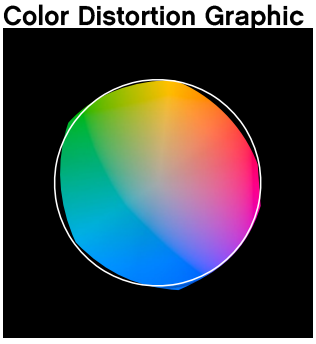
Hue Bin	R_f	Chroma Shift	Hue Shift
1	94	-1%	-1%
2	98	0%	1%
3	93	0%	4%
4	93	1%	4%
5	90	2%	4%
6	91	6%	3%
7	93	4%	0%
8	95	1%	-1%
9	96	-1%	1%
10	93	-2%	4%
11	85	2%	9%
12	92	3%	4%
13	92	6%	0%
14	90	5%	1%
15	86	9%	-8%
16	94	2%	-2%



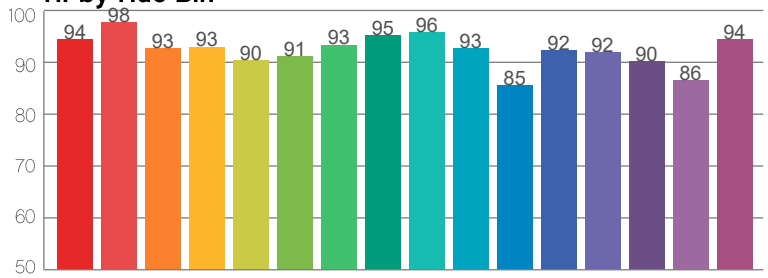
Color Vector Graphic



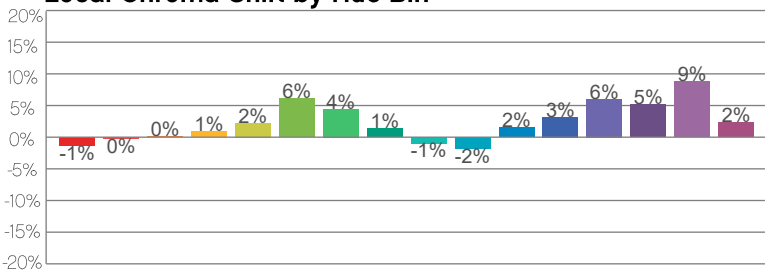
Color Distortion Graphic



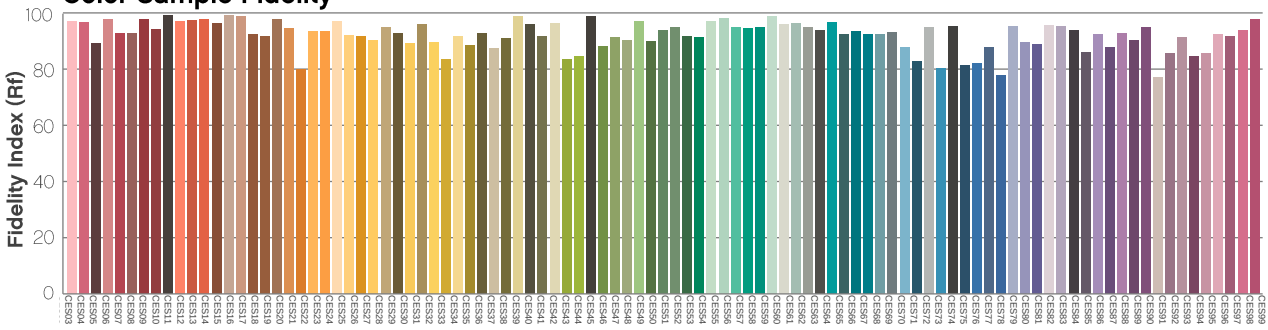
Rf by Hue Bin



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 U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.