

Photometric & Chromaticity Report

Celeb Ikon 12: Bare Optics - 5600K

Product Part Number: CE1.00101

Report Summary

Measurements:

Fixture Output: 160239 lm
Fixture Peak: 57062 cd
Fixture Efficacy: 146 lm/W
Intensity @ 5m: 2282 lux
Color Temperature: 5610 K
CRI: 98.3 CRI R9 Value: 91.9
CQS: 98.3
TLCI: 99
TM-30 Rf: 96.8
TM-30 Rg: 100.3
Beam Angle (50%): 112.7°
Field Angle (10%): 155°
Cutoff Angle (3%): 168.3°

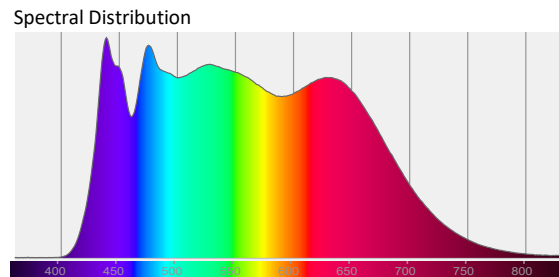
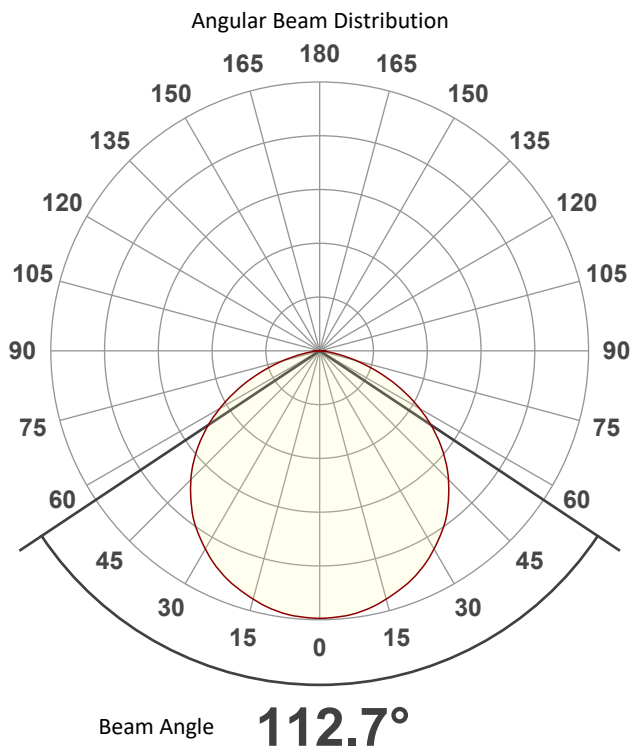


Conditions:

AC Supply: 194 V, 60 Hz
Power: 1115.8 W
Current: 5.76 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie FL on 3/5/2026 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.330

Y: 0.347

Light Quality

CRI: 98.3

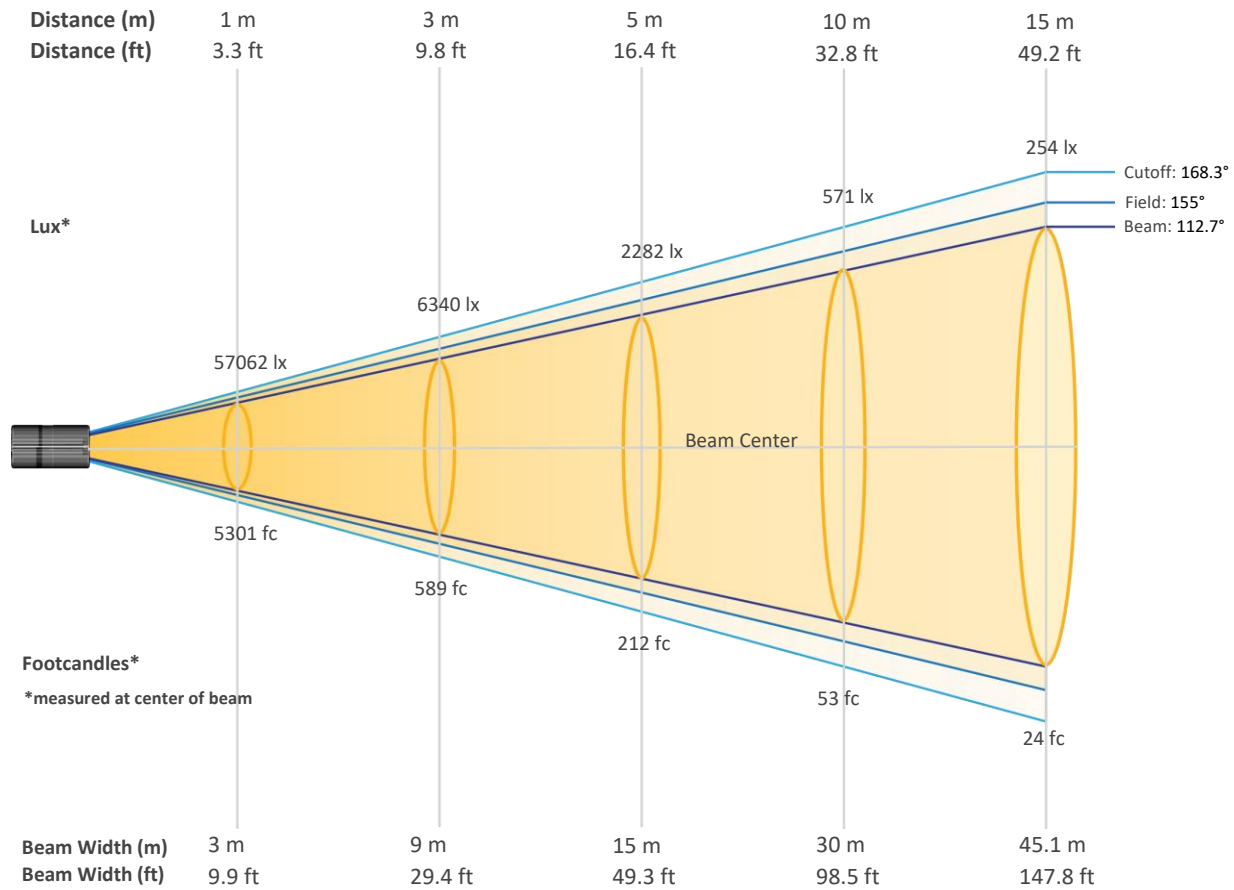
Color Temperature

5610 K

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Beam Details

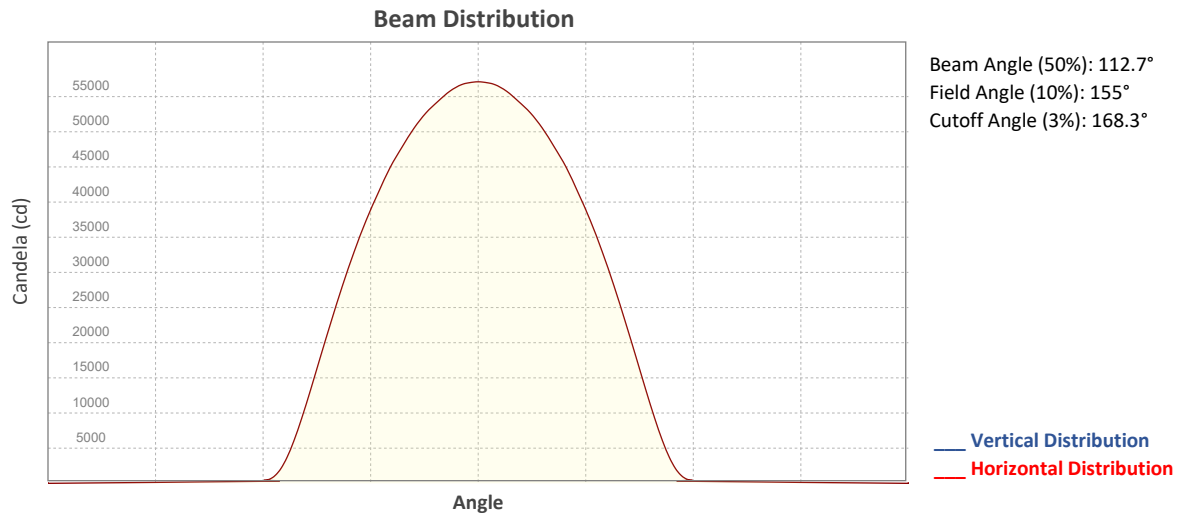


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	57062	14266	6340	3566	2282	1585	1165	892	704	571
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	472	396	338	291	254	223	197	176	158	143
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5301	1325	589	331	212	147	108	83	65	53
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	44	37	31	27	24	21	18	16	15	13

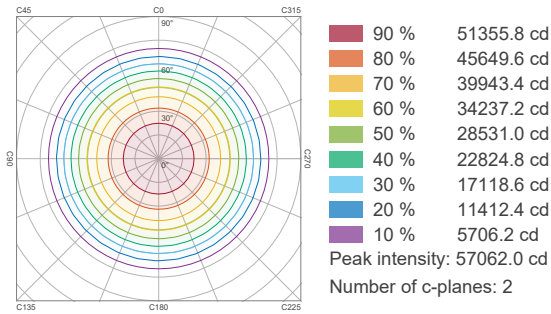
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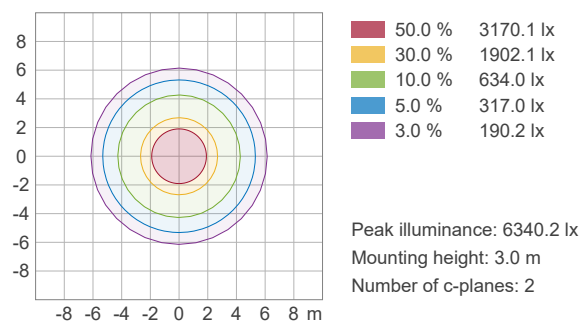


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



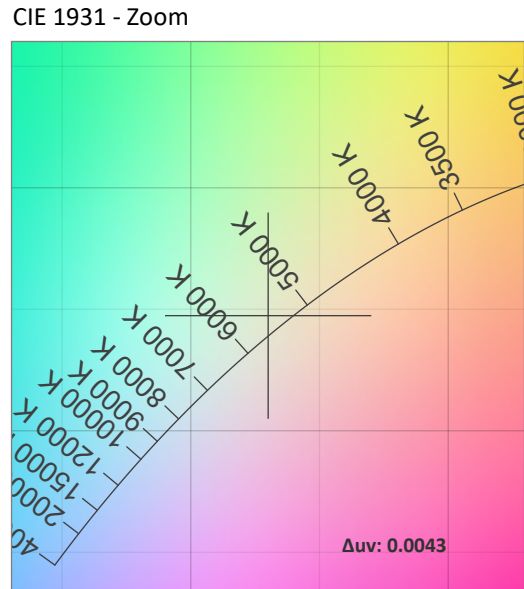
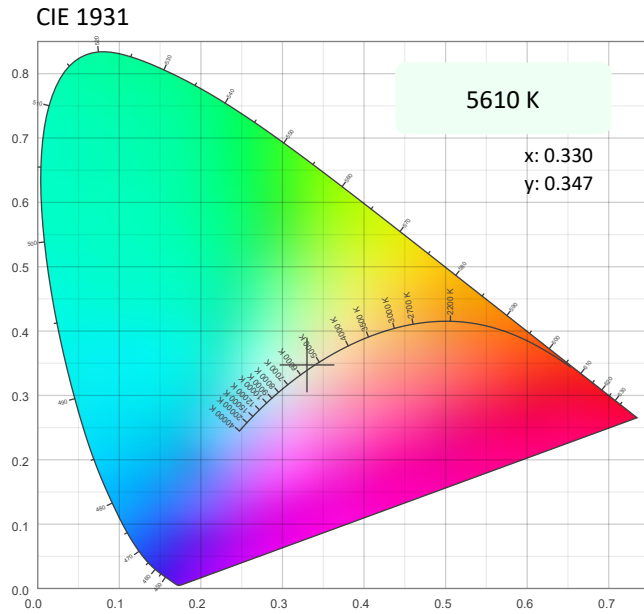
TLCI Color Checker



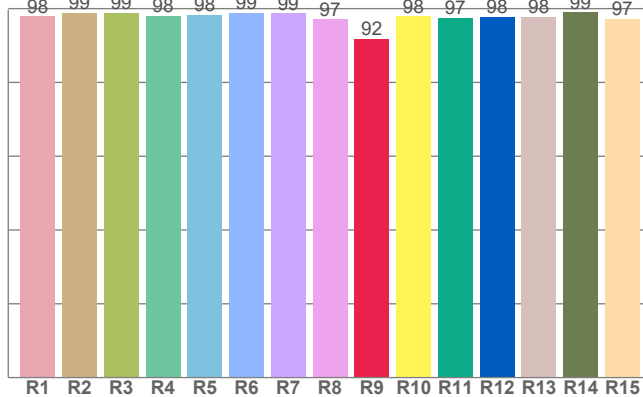
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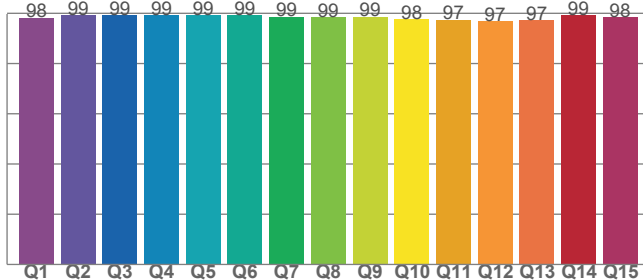
Chromaticity



CRI: 98.3 (R1-R8)



CQS: 98.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5610 K	0.330	0.347

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	u	v
0.0043	0.203	0.320

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
98.3	91.9	98.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
99	96.8	100.3

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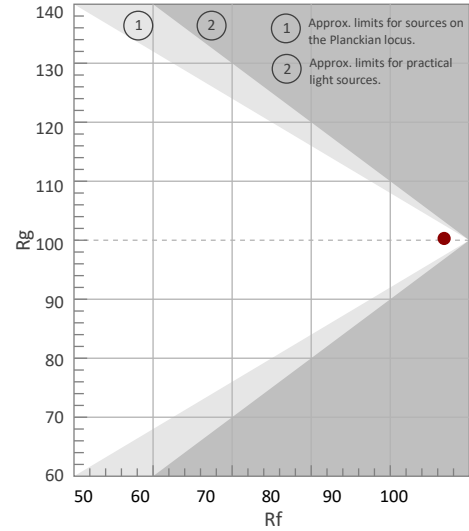
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TM-30 Details

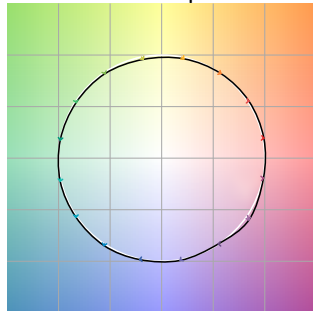
Rf 96.8
Fidelity Index
(Rg)

Rg 100.3
Gammut Index (Rg)

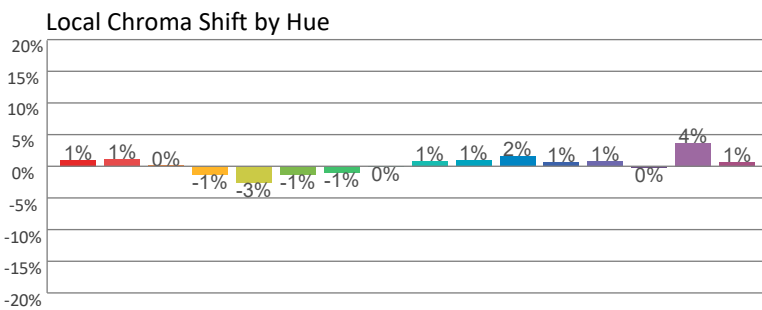
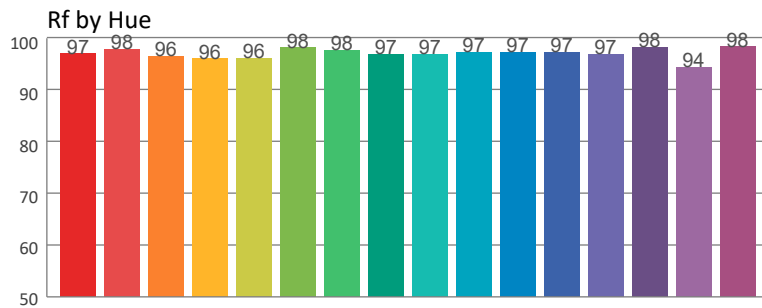
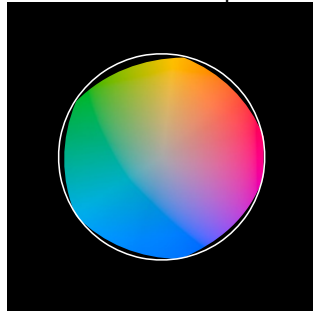
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	98	1%	-1%
3	96	0%	-2%
4	96	-1%	-2%
5	96	-3%	-1%
6	98	-1%	0%
7	98	-1%	1%
8	97	0%	2%
9	97	1%	3%
10	97	1%	1%
11	97	2%	1%
12	97	1%	-2%
13	97	1%	-2%
14	98	0%	0%
15	94	4%	-3%
16	98	1%	0%



Color Vector Graphic



Color Distortion Graphic



Color Evaluation Sample

