

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1433514

Luminaire Tested: EHBR1-30-UNV-A1-L935

Issue Date: 3/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1433514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2601-654-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-30-UNV-A1-L935
Description: Elevate Round Highbay at, 30000 lumens, 3500K 90CRI LEDs with A lens
Light Source: -
Ballast/Driver: -

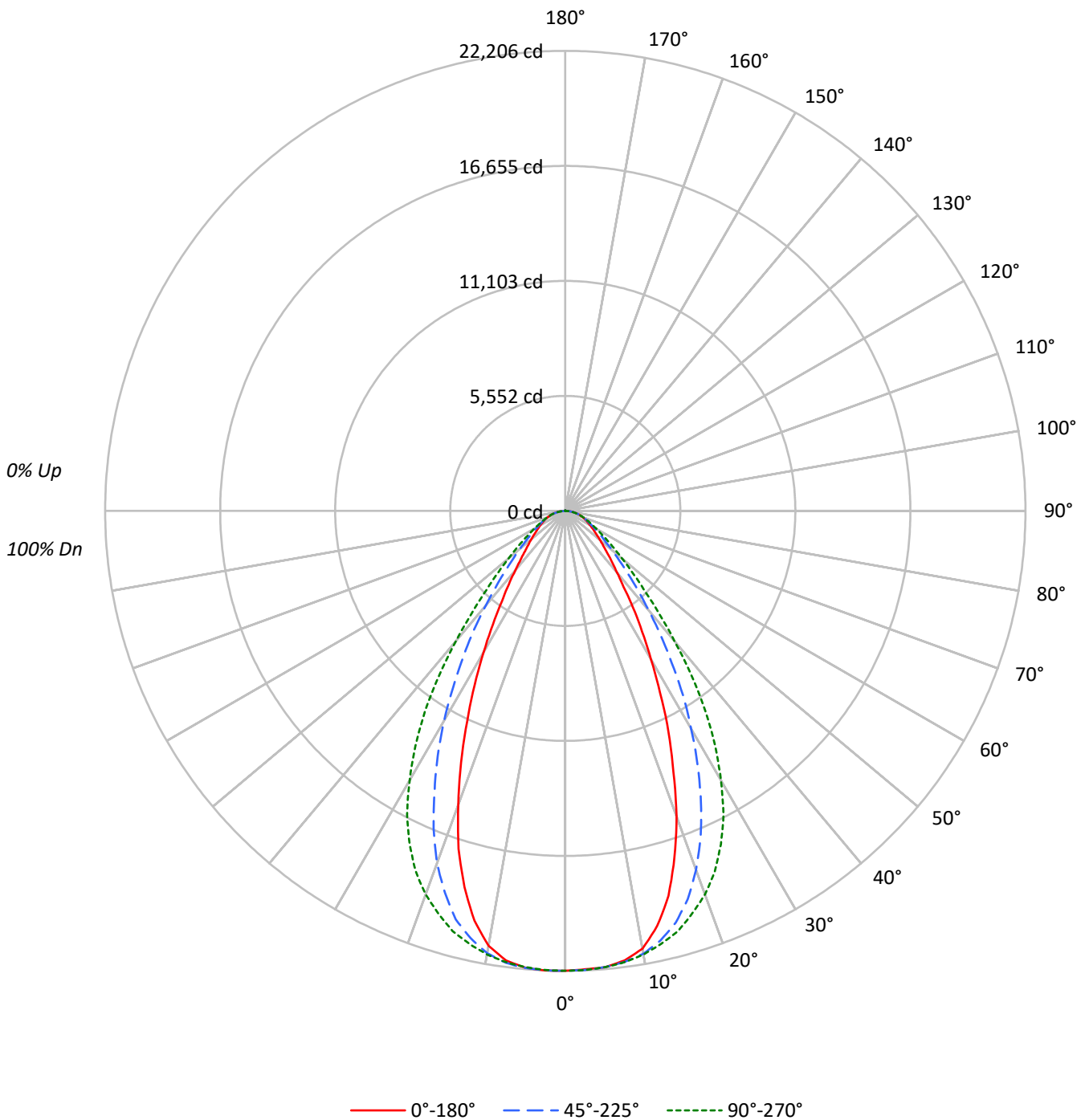
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27575.1 lumens
Efficiency: N/A
Efficacy: 172.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 1.07 / 0.95
Luminous Opening: Circular (Dia: 1.71' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1433514
CATALOG NUMBER: EHBR1-30-UNV-A1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P1433514
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80	80	80	
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72	72	72	72	
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65	
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60	60	60	60	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55	55	55	
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50	50	50	50	
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46	46	46	46	
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43	43	43	43	
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40	40	40	40	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	104237	104237	104237	104237	104237
5°	104223	104207	104212	104396	104332
10°	102316	103508	103672	103380	101646
15°	93511	100037	102096	99235	91365
20°	78472	92164	98460	90428	75417
25°	61138	80281	92017	77349	57970
30°	44921	65902	81477	63401	42637
35°	32664	51241	67549	49034	30533
40°	23732	38218	50270	36605	23000
45°	18911	28275	35507	27050	18256
50°	15899	21527	26040	20816	15658
55°	14110	17273	20040	16984	13919
60°	12986	14715	16295	14623	13078
65°	12476	13333	14067	13374	12595
70°	12308	12600	12989	12670	12429
75°	12180	12104	12180	12139	12298
80°	12245	11366	11112	11542	12245
85°	11046	9365	9268	9515	11374

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 37202 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2096.1	7.6
10°-20°	5633.6	20.4
20°-30°	6850.4	24.8
30°-40°	5580.2	20.2
40°-50°	3350.3	12.1
50°-60°	1928.1	7.0
60°-70°	1206.7	4.4
70°-80°	710.7	2.6
80°-90°	207.8	0.8
90°-100°	0.1	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.3	0.0
130°-140°	1.4	0.0
140°-150°	2.5	0.0
150°-160°	2.8	0.0
160°-170°	2.5	0.0
170°-180°	1.1	0.0
0°-30°	14580.2	52.9
0°-40°	20160.3	73.1
0°-60°	25438.8	92.3
0°-90°	27564.1	100.0
90°-120°	0.3	0.0
90°-150°	4.7	0.0
90°-180°	11.0	0.0
0°-180°	27575.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22196	22196	22196	22196	22196	
5°	22109	22106	22107	22146	22132	2090
15°	19234	20576	21000	20411	18792	5292
25°	11799	15494	17759	14928	11188	5376
35°	5698	8938	11783	8553	5326	3605
45°	2848	4258	5346	4073	2749	2246
55°	1723	2110	2448	2074	1700	1558
65°	1123	1200	1266	1204	1134	1116
75°	671	667	671	669	678	711
85°	205	174	172	177	211	219
90°	1	0	0	0	0	10
95°	1	0	0	0	0	1
105°	1	0	0	0	1	1
115°	1	0	0	0	1	1
125°	1	0	0	0	1	1
135°	2	2	2	2	2	2
145°	4	4	4	4	5	3
155°	7	6	5	6	7	3
165°	11	9	8	9	11	3
175°	14	12	10	12	14	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	22196.5	22196.5	22196.5	22196.5	22196.5	22196.5	22196.5	22196.5	22196.5
2.5°	22147.7	22167.7	22176.0	22180.7	22185.8	22199.7	22205.8	22196.0	22204.4
5°	22109.1	22110.5	22105.8	22126.8	22106.7	22120.7	22145.8	22136.0	22132.3
7.5°	21884.1	21930.6	21958.0	21965.0	21968.7	21985.9	22003.5	21903.6	21888.7
10°	21456.4	21534.0	21706.5	21755.7	21740.9	21768.8	21679.5	21418.2	21316.0
12.5°	20518.7	20791.6	21239.8	21439.1	21402.9	21427.5	21123.5	20572.2	20255.1
15°	19234.1	19634.5	20576.3	20969.7	20999.8	20969.7	20411.3	19336.9	18792.5
17.5°	17526.6	18265.8	19652.6	20415.9	20372.2	20386.6	19326.7	17738.6	17115.7
20°	15702.3	16490.3	18442.0	19715.3	19701.9	19621.0	18094.7	16000.3	15091.0
22.5°	13639.2	14655.4	17054.8	18853.8	18848.8	18714.0	16594.4	14102.1	13123.1
25°	11799.1	12795.8	15493.6	17798.6	17758.6	17605.2	14927.8	12208.6	11187.7
27.5°	9896.8	10933.0	13827.0	16561.9	16534.5	16367.1	13334.7	10438.7	9467.2
30°	8284.0	9231.4	12153.3	15201.1	15025.5	15006.4	11692.1	8800.0	7862.8
32.5°	6902.3	7714.5	10575.5	13778.1	13467.2	13555.9	10055.3	7429.5	6500.7
35°	5697.7	6413.3	8938.1	12132.4	11782.8	11897.7	8553.1	6096.2	5325.9
37.5°	4624.4	5312.4	7550.4	10531.7	9997.2	10213.8	7232.0	5091.1	4473.7
40°	3871.2	4417.0	6234.3	8775.4	8200.3	8553.1	5971.2	4246.3	3751.8
42.5°	3335.7	3691.8	5145.5	7098.5	6657.4	6907.4	4921.4	3549.9	3179.9
45°	2847.5	3131.6	4257.5	5601.6	5346.4	5578.3	4073.0	3027.0	2748.9
47.5°	2487.2	2706.1	3504.9	4523.4	4364.9	4438.4	3401.6	2641.5	2415.6
50°	2176.2	2345.4	2946.5	3650.9	3564.3	3609.5	2849.3	2298.5	2143.2
52.5°	1934.5	2058.5	2471.4	3000.4	2957.7	2964.6	2428.1	2021.8	1909.4
55°	1723.4	1809.9	2109.7	2457.9	2447.7	2449.5	2074.4	1791.7	1700.1
57.5°	1538.8	1610.4	1813.1	2064.6	2049.8	2053.0	1796.3	1591.3	1532.3
60°	1382.6	1430.5	1566.7	1744.8	1735.0	1730.8	1556.9	1412.8	1392.4
62.5°	1244.0	1274.8	1369.1	1495.5	1477.0	1481.1	1368.6	1276.1	1245.9
65°	1122.8	1133.5	1199.9	1278.0	1265.9	1276.1	1203.6	1140.4	1133.5
67.5°	1004.2	1014.9	1053.9	1106.4	1092.5	1100.9	1054.9	1017.6	1011.6
70°	896.4	895.8	917.7	946.0	946.0	947.5	922.8	900.5	905.2
72.5°	784.7	782.0	788.5	807.5	802.4	820.0	794.0	787.1	788.0
75°	671.3	663.4	667.1	676.8	671.3	680.7	669.0	677.8	677.8
77.5°	564.4	549.5	544.9	546.2	536.0	550.0	552.8	558.8	572.7
80°	452.8	431.9	420.3	419.8	410.9	419.8	426.8	439.3	452.8
82.5°	336.2	318.0	298.5	294.7	289.2	294.3	303.6	318.5	340.3
85°	205.0	186.0	173.8	167.4	172.0	172.0	176.6	197.6	211.1
87.5°	74.0	64.6	53.0	53.5	54.8	56.7	59.0	74.4	81.4
90°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
92.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
95°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
97.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
100°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
102.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
105°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
107.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
110°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
115°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
117.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
120°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9
122.5°	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.4
125°	1.4	0.5	0.0	0.0	0.0	0.0	0.5	0.5	1.4
127.5°	1.4	0.5	0.0	0.0	0.0	0.0	0.5	0.9	1.4
130°	1.4	0.9	0.5	0.0	0.5	0.5	0.9	0.9	1.4
132.5°	1.9	1.4	1.4	0.9	0.9	1.4	1.4	1.9	1.9
135°	2.4	1.9	1.9	1.4	1.9	1.9	1.9	1.9	2.4
137.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.8
140°	3.3	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3
142.5°	3.7	3.7	3.3	3.3	3.3	3.7	3.7	3.7	4.2
145°	4.2	4.2	3.7	3.7	3.7	4.2	4.2	4.6	4.6
147.5°	5.6	5.1	4.2	4.2	4.2	4.2	4.6	5.1	5.6
150°	6.1	5.6	4.6	4.6	4.6	4.6	5.1	6.1	6.5
152.5°	6.5	6.1	5.1	4.6	4.6	4.6	5.6	6.1	7.0
155°	7.0	6.5	5.6	4.6	4.6	5.1	6.1	7.0	7.4
157.5°	8.3	7.4	6.5	5.6	5.6	6.1	7.0	7.9	8.3
160°	9.3	8.3	7.4	6.5	6.5	7.0	7.9	8.8	9.3
162.5°	10.2	9.3	7.9	7.4	7.0	7.4	8.3	9.8	10.2
165°	10.7	9.8	8.8	7.9	7.9	7.9	9.3	10.2	10.7
167.5°	11.1	10.7	9.3	8.3	8.3	8.3	9.8	10.7	11.1
170°	11.6	11.1	9.8	8.8	8.3	8.8	10.2	11.1	11.6
172.5°	12.5	12.1	10.7	9.8	9.3	9.8	11.1	12.1	12.5
175°	14.0	13.1	12.1	10.7	10.2	10.7	12.1	13.1	14.0
177.5°	14.4	13.5	12.5	11.1	10.7	11.1	12.5	13.5	14.4
180°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.53	19.80	18.90	20.11	20.43	19.51	20.78	19.88	21.09	21.41
	3H	20.10	21.22	20.48	21.55	21.92	20.85	21.98	21.23	22.31	22.68
	4H	20.76	21.81	21.17	22.17	22.55	21.41	22.46	21.82	22.81	23.20
	6H	21.32	22.28	21.74	22.66	23.05	21.84	22.81	22.26	23.18	23.58
	8H	21.52	22.43	21.95	22.83	23.23	21.98	22.89	22.41	23.29	23.69
	12H	21.65	22.52	22.08	22.90	23.34	22.06	22.93	22.49	23.32	23.75
4H	2H	19.10	20.15	19.51	20.50	20.89	19.87	20.92	20.27	21.27	21.66
	3H	20.89	21.76	21.31	22.16	22.57	21.46	22.32	21.88	22.73	23.13
	4H	21.69	22.46	22.12	22.88	23.33	22.16	22.93	22.59	23.35	23.80
	6H	22.37	23.04	22.84	23.49	23.96	22.73	23.40	23.19	23.84	24.31
	8H	22.62	23.24	23.09	23.69	24.16	22.91	23.54	23.38	23.99	24.46
	12H	22.79	23.34	23.28	23.82	24.30	23.03	23.58	23.52	24.07	24.54
8H	4H	21.97	22.59	22.44	23.04	23.51	22.39	23.01	22.86	23.46	23.93
	6H	22.79	23.29	23.29	23.79	24.27	23.09	23.60	23.59	24.10	24.58
	8H	23.12	23.57	23.64	24.09	24.58	23.35	23.81	23.88	24.32	24.82
	12H	23.37	23.77	23.88	24.26	24.84	23.55	23.94	24.06	24.44	25.01
12H	4H	21.98	22.53	22.47	23.02	23.49	22.40	22.95	22.89	23.44	23.91
	6H	22.83	23.29	23.36	23.80	24.30	23.14	23.59	23.66	24.11	24.60
	8H	23.22	23.62	23.74	24.12	24.69	23.45	23.85	23.97	24.35	24.92

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-6

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L935-N

Data in this report applies to families of products including EHBR-60-L935-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L935-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3406
 CIE u': 0.2394
 CIE v': 0.5094
 Duv: -0.0028
 CIE x: 0.4076
 CIE y: 0.3856
 CIE z: 0.2068
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 38.0517
 Rf: 91.3
 Rg: 100

CRI (Ra):	94.6		
R1:	96.6	R9:	63.8
R2:	98.4	R10:	94.7
R3:	98.1	R11:	96.6
R4:	95.8	R12:	80.9
R5:	96.2	R13:	97.4
R6:	95.4	R14:	98.3
R7:	91.8	R15:	93.1
R8:	84.4		



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-6

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

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CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.62

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.3

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 100$
 $CIE R_a = 94.6$
 $R_9 = 63.8$

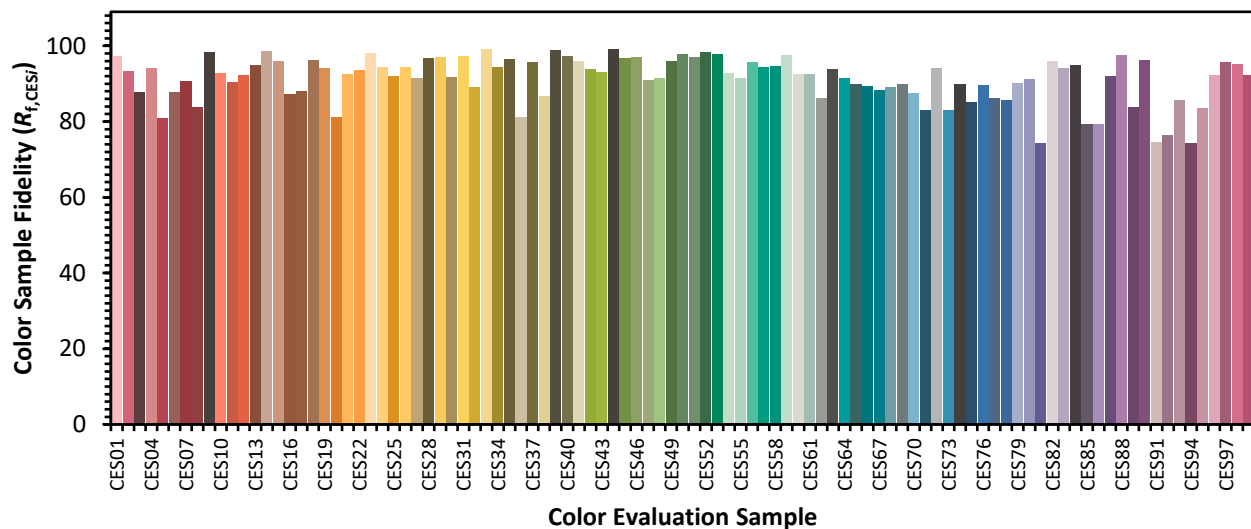


Color Vector Graphics



Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 92	CES85 = 79
CES11 = 58	CES36 = 81	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 96	CES62 = 86	CES87 = 92
CES13 = 44	CES38 = 87	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 75
CES17 = 49	CES42 = 94	CES67 = 88	CES92 = 76
CES18 = 56	CES43 = 93	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 90	CES94 = 74
CES20 = 67	CES45 = 97	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 90	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)