

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: P1432554

Luminaire Tested: EHBR1-12-UNV-A1-L835

Issue Date: 3/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1432554
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: EHBR1-12-UNV-A1-L835
Description: Elevate Round Highbay at, 12000 lumens, 3500K 80CRI LEDs with A lens
Light Source: -
Ballast/Driver: -

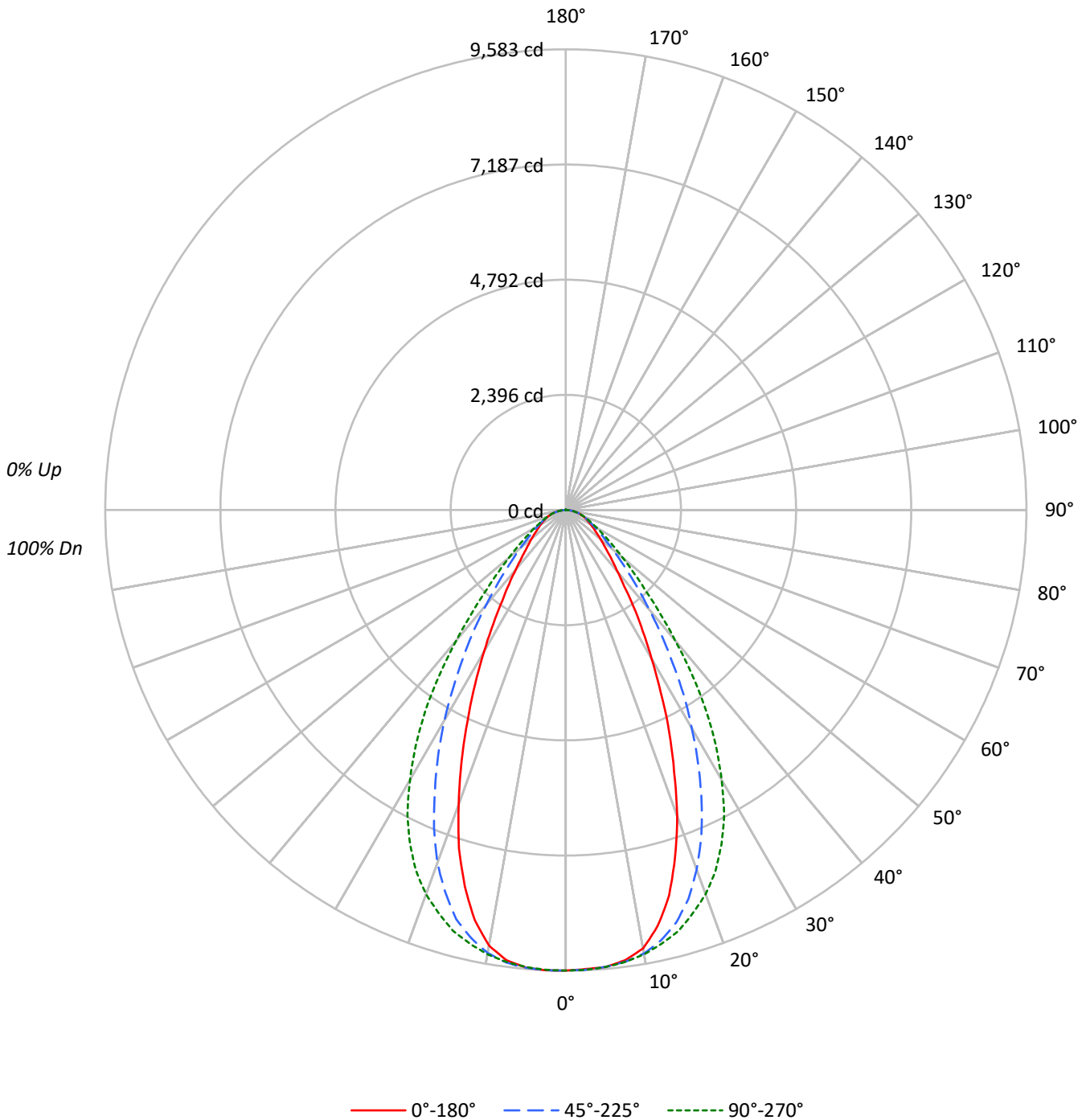
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11900.3 lumens
Efficiency: N/A
Efficacy: 183.9 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): 64.7
Input Voltage (V): NR
Input Current (Ain): 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: P1432554
CATALOG NUMBER: EHBR1-12-UNV-A1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P1432554
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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72	72	72
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60	60	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55	55
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50	50	50
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46	46	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43	43	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40	40	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44984	44984	44984	44984	44984
5°	44978	44972	44974	45053	45026
10°	44155	44670	44741	44614	43866
15°	40356	43172	44061	42826	39429
20°	33865	39774	42491	39025	32547
25°	26385	34646	39711	33381	25018
30°	19386	28441	35162	27362	18400
35°	14097	22113	29152	21161	13176
40°	10241	16494	21695	15797	9926
45°	8161	12203	15323	11673	7879
50°	6862	9290	11239	8984	6757
55°	6090	7455	8648	7329	6007
60°	5604	6350	7032	6311	5644
65°	5385	5754	6070	5773	5435
70°	5311	5437	5605	5469	5363
75°	5256	5224	5256	5238	5309
80°	5284	4903	4798	4979	5284
85°	4763	4047	4003	4106	4909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 16055 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.6	7.6
10°-20°	2431.2	20.4
20°-30°	2956.4	24.8
30°-40°	2408.2	20.2
40°-50°	1445.9	12.1
50°-60°	832.1	7.0
60°-70°	520.8	4.4
70°-80°	306.7	2.6
80°-90°	89.7	0.8
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.1	0.0
130°-140°	0.6	0.0
140°-150°	1.1	0.0
150°-160°	1.2	0.0
160°-170°	1.1	0.0
170°-180°	0.5	0.0
0°-30°	6292.2	52.9
0°-40°	8700.4	73.1
0°-60°	10978.4	92.3
0°-90°	11895.5	100.0
90°-120°	0.1	0.0
90°-150°	2.0	0.0
90°-180°	5.0	0.0
0°-180°	11900.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9579	9579	9579	9579	9579	
5°	9541	9540	9540	9557	9551	902
15°	8301	8880	9063	8809	8110	2284
25°	5092	6686	7664	6442	4828	2320
35°	2459	3857	5085	3691	2298	1556
45°	1229	1837	2307	1758	1186	969
55°	744	910	1056	895	734	672
65°	485	518	546	520	489	482
75°	290	288	290	289	293	307
85°	88	75	74	76	91	94
90°	0	0	0	0	0	5
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	1	0	0	0	1	1
135°	1	1	1	1	1	1
145°	2	2	2	2	2	1
155°	3	2	2	3	3	1
165°	5	4	3	4	5	1
175°	6	5	4	5	6	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	9579.1	9579.1	9579.1	9579.1	9579.1	9579.1	9579.1	9579.1	9579.1
2.5°	9558.0	9566.7	9570.3	9572.3	9574.5	9580.5	9583.1	9578.9	9582.5
5°	9541.4	9541.9	9540.0	9549.0	9540.4	9546.4	9557.3	9553.0	9551.4
7.5°	9444.3	9464.4	9476.2	9479.2	9480.8	9488.2	9495.8	9452.7	9446.2
10°	9259.7	9293.2	9367.6	9388.9	9382.5	9394.6	9356.0	9243.3	9199.1
12.5°	8855.0	8972.8	9166.2	9252.3	9236.6	9247.3	9116.0	8878.1	8741.3
15°	8300.7	8473.4	8879.9	9049.6	9062.7	9049.6	8808.7	8345.0	8110.1
17.5°	7563.7	7882.8	8481.3	8810.7	8791.8	8798.1	8340.6	7655.3	7386.4
20°	6776.5	7116.6	7958.8	8508.3	8502.5	8467.6	7809.0	6905.1	6512.7
22.5°	5886.1	6324.6	7360.1	8136.5	8134.3	8076.1	7161.5	6085.9	5663.4
25°	5092.0	5522.1	6686.4	7681.2	7663.9	7597.7	6442.3	5268.7	4828.2
27.5°	4271.0	4718.2	5967.1	7147.4	7135.6	7063.4	5754.6	4505.0	4085.7
30°	3575.0	3984.0	5244.9	6560.2	6484.4	6476.1	5045.9	3797.8	3393.3
32.5°	2978.8	3329.3	4563.9	5946.1	5811.9	5850.2	4339.5	3206.2	2805.4
35°	2458.9	2767.6	3857.3	5235.9	5085.0	5134.5	3691.2	2630.8	2298.4
37.5°	1995.7	2292.6	3258.4	4545.1	4314.3	4407.8	3121.0	2197.1	1930.7
40°	1670.6	1906.2	2690.5	3787.1	3539.0	3691.2	2576.9	1832.6	1619.1
42.5°	1439.5	1593.2	2220.5	3063.4	2873.1	2981.0	2123.9	1532.0	1372.3
45°	1228.8	1351.5	1837.4	2417.4	2307.2	2407.4	1757.7	1306.3	1186.3
47.5°	1073.4	1167.8	1512.6	1952.1	1883.8	1915.4	1468.0	1140.0	1042.4
50°	939.2	1012.2	1271.6	1575.6	1538.3	1557.7	1229.7	991.9	924.9
52.5°	834.8	888.4	1066.6	1294.9	1276.4	1279.4	1047.9	872.5	824.0
55°	743.8	781.1	910.5	1060.8	1056.3	1057.1	895.2	773.2	733.7
57.5°	664.1	695.0	782.5	891.0	884.6	886.0	775.3	686.7	661.2
60°	596.7	617.3	676.1	753.0	748.7	747.0	671.9	609.8	600.9
62.5°	536.9	550.1	590.8	645.4	637.4	639.2	590.7	550.7	537.7
65°	484.6	489.1	517.8	551.6	546.3	550.7	519.5	492.1	489.1
67.5°	433.4	438.0	454.8	477.5	471.5	475.1	455.2	439.2	436.6
70°	386.8	386.6	396.0	408.2	408.2	408.9	398.3	388.7	390.6
72.5°	338.6	337.5	340.3	348.5	346.3	353.9	342.7	339.7	340.1
75°	289.7	286.3	287.9	292.1	289.7	293.7	288.7	292.6	292.6
77.5°	243.6	237.2	235.2	235.7	231.4	237.4	238.5	241.2	247.2
80°	195.4	186.4	181.3	181.1	177.4	181.1	184.1	189.6	195.4
82.5°	145.1	137.2	128.8	127.2	124.8	127.0	131.0	137.4	146.8
85°	88.4	80.3	75.1	72.2	74.3	74.3	76.2	85.2	91.1
87.5°	31.9	27.9	22.9	23.1	23.7	24.4	25.5	32.1	35.1
90°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
92.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
95°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
97.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
100°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
102.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
105°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
107.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
110°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
115°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
117.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
120°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
122.5°	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.6
125°	0.6	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.6
127.5°	0.6	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.6
130°	0.6	0.4	0.2	0.0	0.2	0.2	0.4	0.4	0.6
132.5°	0.8	0.6	0.6	0.4	0.4	0.6	0.6	0.8	0.8
135°	1.0	0.8	0.8	0.6	0.8	0.8	0.8	0.8	1.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2
140°	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4
142.5°	1.6	1.6	1.4	1.4	1.4	1.6	1.6	1.6	1.8
145°	1.8	1.8	1.6	1.6	1.6	1.8	1.8	2.0	2.0
147.5°	2.4	2.2	1.8	1.8	1.8	1.8	2.0	2.2	2.4
150°	2.6	2.4	2.0	2.0	2.0	2.0	2.2	2.6	2.8
152.5°	2.8	2.6	2.2	2.0	2.0	2.0	2.4	2.6	3.0
155°	3.0	2.8	2.4	2.0	2.0	2.2	2.6	3.0	3.2
157.5°	3.6	3.2	2.8	2.4	2.4	2.6	3.0	3.4	3.6
160°	4.0	3.6	3.2	2.8	2.8	3.0	3.4	3.8	4.0
162.5°	4.5	4.0	3.4	3.2	3.0	3.2	3.6	4.2	4.5
165°	4.7	4.2	3.8	3.4	3.4	3.4	4.0	4.5	4.7
167.5°	4.8	4.7	4.0	3.6	3.6	3.6	4.2	4.7	4.8
170°	5.0	4.8	4.2	3.8	3.6	3.8	4.5	4.8	5.0
172.5°	5.4	5.2	4.7	4.2	4.0	4.2	4.8	5.2	5.4
175°	6.0	5.6	5.2	4.7	4.5	4.7	5.2	5.6	6.0
177.5°	6.2	5.8	5.4	4.8	4.7	4.8	5.4	5.8	6.2
180°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4



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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	15.61	16.88	15.98	17.19	17.51	16.59	17.86	16.96	18.17	18.49
	3H	17.18	18.30	17.56	18.63	19.00	17.93	19.06	18.31	19.39	19.76
	4H	17.85	18.89	18.25	19.25	19.63	18.49	19.54	18.90	19.89	20.28
	6H	18.40	19.36	18.82	19.74	20.13	18.92	19.89	19.34	20.26	20.66
	8H	18.60	19.51	19.03	19.91	20.31	19.06	19.97	19.49	20.37	20.77
	12H	18.73	19.60	19.16	19.98	20.42	19.14	20.01	19.57	20.40	20.83
4H	2H	16.18	17.23	16.59	17.58	17.97	16.95	18.00	17.36	18.35	18.74
	3H	17.97	18.84	18.39	19.24	19.65	18.54	19.41	18.96	19.81	20.22
	4H	18.77	19.54	19.20	19.96	20.41	19.24	20.01	19.67	20.43	20.88
	6H	19.45	20.12	19.92	20.57	21.04	19.81	20.48	20.27	20.92	21.39
	8H	19.70	20.32	20.17	20.77	21.24	19.99	20.62	20.46	21.07	21.54
	12H	19.87	20.42	20.36	20.90	21.38	20.11	20.66	20.60	21.15	21.62
8H	4H	19.05	19.67	19.52	20.12	20.59	19.47	20.09	19.94	20.54	21.01
	6H	19.87	20.37	20.37	20.87	21.36	20.17	20.68	20.68	21.18	21.66
	8H	20.20	20.65	20.72	21.17	21.66	20.43	20.89	20.96	21.40	21.90
	12H	20.45	20.85	20.96	21.34	21.92	20.63	21.03	21.14	21.52	22.09
12H	4H	19.06	19.61	19.55	20.10	20.57	19.48	20.03	19.97	20.52	20.99
	6H	19.91	20.37	20.44	20.89	21.38	20.22	20.67	20.74	21.19	21.68
	8H	20.30	20.70	20.82	21.20	21.77	20.53	20.93	21.05	21.43	22.00

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: SP1-2506-472-3

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L835-N

Data in this report applies to families of products including EHBR-60-L835-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-3
 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-L835-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3500K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3468
 CIE u': 0.2375
 CIE v': 0.5091
 Duv: -0.0021
 CIE x: 0.4049
 CIE y: 0.3856
 CIE z: 0.2095
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 581
 Purity: 37.24544
 Rf: 80.1
 Rg: 101

CRI (Ra):	82.1		
R1:	82.9	R9:	27.6
R2:	85.6	R10:	63.8
R3:	85.9	R11:	81.2
R4:	82.8	R12:	57.2
R5:	81.0	R13:	82.6
R6:	79.7	R14:	91.0
R7:	86.5	R15:	79.4
R8:	72.1		



Test Conditions

Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

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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

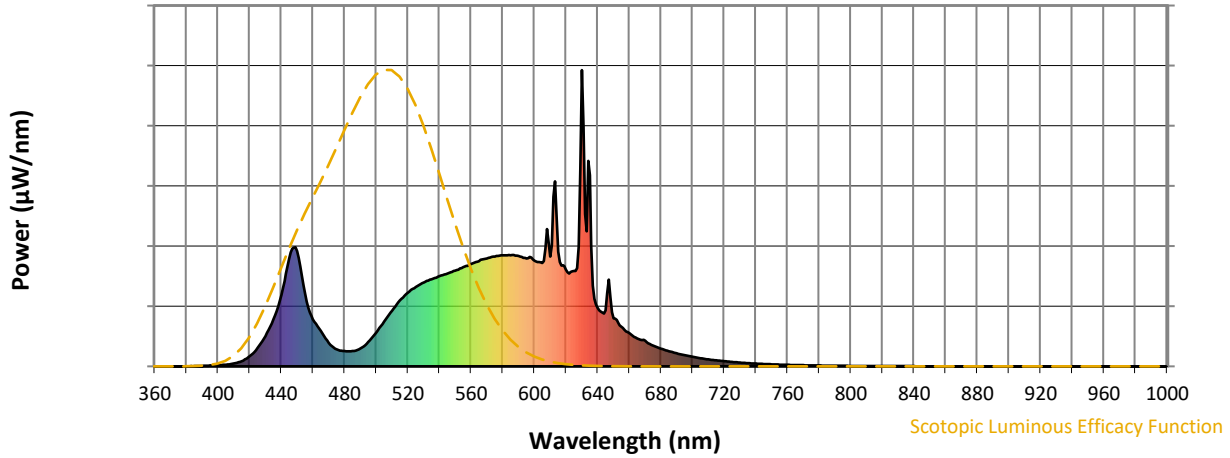


Photopic Lumens: NR

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	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.43

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	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.75

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	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

Summary

$R_f = 80.1$
 $R_g = 101$
 $CIE R_a = 82.1$
 $R_9 = 27.6$



Color Vector Graphics



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

CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 92
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 72	CES59 = 92	CES84 = 89
CES10 = 75	CES35 = 85	CES60 = 94	CES85 = 82
CES11 = 58	CES36 = 97	CES61 = 90	CES86 = 78
CES12 = 64	CES37 = 79	CES62 = 92	CES87 = 82
CES13 = 43	CES38 = 85	CES63 = 78	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 76
CES15 = 71	CES40 = 89	CES65 = 76	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 73	CES91 = 83
CES17 = 49	CES42 = 77	CES67 = 70	CES92 = 73
CES18 = 56	CES43 = 74	CES68 = 76	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 81	CES94 = 65
CES20 = 66	CES45 = 83	CES70 = 68	CES95 = 79
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 85
CES22 = 78	CES47 = 81	CES72 = 88	CES97 = 85
CES23 = 92	CES48 = 80	CES73 = 60	CES98 = 82
CES24 = 91	CES49 = 80	CES74 = 97	CES99 = 81
CES25 = 72	CES50 = 89	CES75 = 64	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)