

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: P1433418

Luminaire Tested: EHBR1-12-UNV-A1-L935

Issue Date: 3/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1433418
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-L935
Description: Elevate Round Highbay at, 12000 lumens, 3500K 90CRI LEDs with A lens
Light Source: -
Ballast/Driver: -

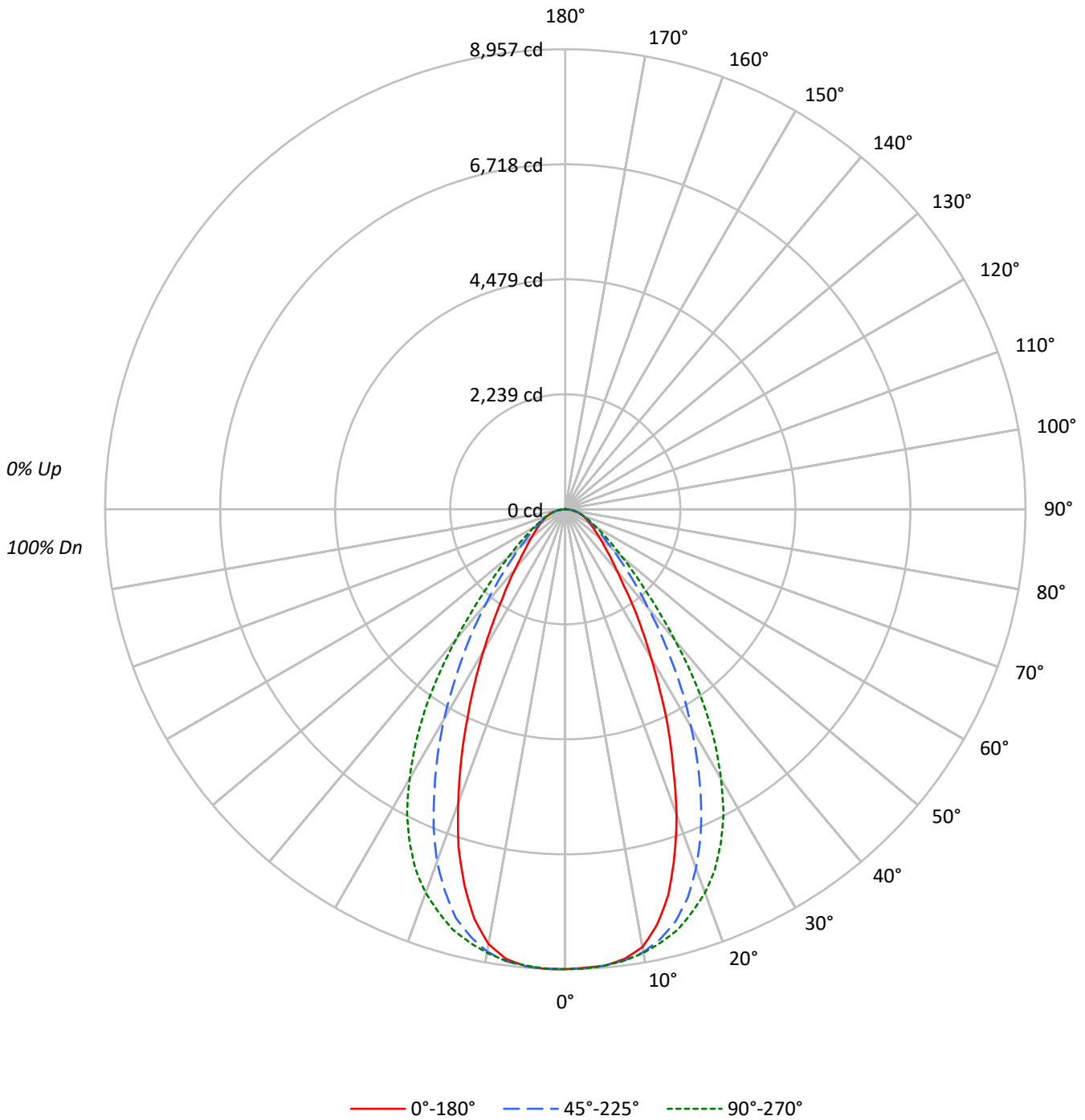
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11122.5 lumens
Efficiency: N/A
Efficacy: 171.9 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: P1433418
CATALOG NUMBER: EHBR1-12-UNV-A1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P1433418
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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	102	102	102	100	
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	94	93	92	90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80	
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	80	77	74	72	
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65	
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	60	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55	
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	60	56	52	50	
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	57	52	48	46	
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	53	48	45	43	
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	50	45	42	40	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42044	42044	42044	42044	42044
5°	42038	42033	42034	42109	42083
10°	41269	41750	41817	41698	40999
15°	37718	40350	41181	40026	36852
20°	31652	37174	39714	36475	30420
25°	24660	32382	37116	31199	23382
30°	18119	26582	32864	25573	17198
35°	13175	20668	27246	19778	12315
40°	9572	15415	20277	14765	9277
45°	7628	11405	14321	10910	7364
50°	6413	8683	10504	8397	6316
55°	5692	6967	8083	6850	5614
60°	5238	5935	6573	5898	5276
65°	5033	5378	5674	5395	5080
70°	4964	5082	5240	5110	5013
75°	4913	4883	4913	4895	4961
80°	4938	4584	4484	4654	4938
85°	4456	3777	3739	3836	4585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 15005 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.5	7.6
10°-20°	2272.3	20.4
20°-30°	2763.1	24.8
30°-40°	2250.8	20.2
40°-50°	1351.4	12.1
50°-60°	777.7	7.0
60°-70°	486.7	4.4
70°-80°	286.7	2.6
80°-90°	83.8	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°	0.5	0.0
140°-150°	1.0	0.0
150°-160°	1.1	0.0
160°-170°	1.0	0.0
170°-180°	0.4	0.0
0°-30°	5880.9	52.9
0°-40°	8131.7	73.1
0°-60°	10260.8	92.3
0°-90°	11118.0	100.0
90°-120°	0.1	0.0
90°-150°	1.9	0.0
90°-180°	4.0	0.0
0°-180°	11122.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8953	8953	8953	8953	8953	
5°	8918	8916	8917	8933	8927	843
15°	7758	8300	8470	8233	7580	2134
25°	4759	6249	7163	6021	4513	2168
35°	2298	3605	4753	3450	2148	1454
45°	1148	1717	2156	1643	1109	906
55°	695	851	987	837	686	628
65°	453	484	511	486	457	450
75°	271	269	271	270	273	287
85°	83	70	69	71	85	88
90°	0	0	0	0	0	4
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	1	1	1	1	1	1
145°	2	2	2	2	2	1
155°	3	2	2	2	3	1
165°	4	4	3	4	4	1
175°	6	5	4	5	6	0
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°	8953.0	8953.0	8953.0	8953.0	8953.0	8953.0	8953.0	8953.0	8953.0
2.5°	8933.3	8941.4	8944.8	8946.7	8948.7	8954.4	8956.7	8952.8	8956.2
5°	8917.7	8918.3	8916.5	8924.9	8916.8	8922.5	8932.6	8928.6	8927.2
7.5°	8827.0	8845.8	8856.8	8859.6	8861.1	8868.1	8875.1	8834.9	8828.8
10°	8654.5	8685.8	8755.3	8775.3	8769.3	8780.5	8744.5	8639.1	8597.8
12.5°	8276.2	8386.4	8567.1	8647.6	8632.9	8642.9	8520.2	8297.8	8169.9
15°	7758.2	7919.6	8299.5	8458.1	8470.4	8458.1	8232.9	7799.6	7580.0
17.5°	7069.4	7367.6	7926.9	8234.8	8217.2	8223.0	7795.4	7154.9	6903.6
20°	6333.6	6651.5	7438.6	7952.2	7946.8	7914.2	7298.6	6453.8	6087.0
22.5°	5501.4	5911.3	6879.0	7604.7	7602.7	7548.3	6693.4	5688.1	5293.2
25°	4759.2	5161.2	6249.4	7179.1	7163.0	7101.1	6021.2	4924.4	4512.6
27.5°	3991.8	4409.8	5577.1	6680.3	6669.2	6601.7	5378.5	4210.5	3818.6
30°	3341.4	3723.6	4902.1	6131.4	6060.5	6052.8	4716.1	3549.6	3171.5
32.5°	2784.1	3111.7	4265.6	5557.4	5432.0	5467.8	4055.8	2996.7	2622.0
35°	2298.2	2586.8	3605.2	4893.6	4752.6	4798.9	3449.9	2458.9	2148.2
37.5°	1865.2	2142.7	3045.5	4248.1	4032.4	4119.7	2917.0	2053.5	1804.5
40°	1561.4	1781.6	2514.6	3539.6	3307.7	3449.9	2408.5	1712.8	1513.3
42.5°	1345.4	1489.1	2075.4	2863.2	2685.3	2786.1	1985.0	1431.9	1282.6
45°	1148.5	1263.2	1717.3	2259.4	2156.4	2250.1	1642.8	1220.9	1108.8
47.5°	1003.2	1091.5	1413.7	1824.5	1760.6	1790.2	1372.1	1065.5	974.3
50°	877.8	946.0	1188.5	1472.6	1437.7	1455.9	1149.3	927.1	864.5
52.5°	780.3	830.3	996.9	1210.2	1193.0	1195.8	979.4	815.5	770.1
55°	695.2	730.0	851.0	991.4	987.3	988.0	836.7	722.7	685.7
57.5°	620.7	649.6	731.3	832.7	826.8	828.1	724.6	641.9	618.0
60°	557.7	577.0	631.9	703.8	699.8	698.1	628.0	569.9	561.7
62.5°	501.8	514.2	552.2	603.3	595.7	597.5	552.0	514.7	502.6
65°	452.9	457.2	484.0	515.5	510.6	514.7	485.5	460.0	457.2
67.5°	405.0	409.4	425.1	446.3	440.7	444.0	425.4	410.5	408.0
70°	361.5	361.4	370.1	381.6	381.6	382.2	372.2	363.3	365.1
72.5°	316.5	315.4	318.0	325.7	323.7	330.8	320.3	317.5	317.8
75°	270.8	267.5	269.1	273.0	270.8	274.5	269.8	273.4	273.4
77.5°	227.7	221.7	219.8	220.3	216.3	221.9	223.0	225.4	231.0
80°	182.6	174.2	169.5	169.3	165.8	169.3	172.1	177.2	182.6
82.5°	135.6	128.2	120.4	118.9	116.6	118.7	122.4	128.4	137.2
85°	82.7	75.0	70.1	67.5	69.4	69.4	71.2	79.7	85.1
87.5°	29.8	26.1	21.4	21.6	22.1	22.8	23.8	30.0	32.8
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°	0.5	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°	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5
125°	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.5
127.5°	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.5
130°	0.5	0.4	0.2	0.0	0.2	0.2	0.4	0.4	0.5
132.5°	0.7	0.5	0.5	0.4	0.4	0.5	0.5	0.7	0.7
135°	0.9	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.9
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
140°	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3
142.5°	1.5	1.5	1.3	1.3	1.3	1.5	1.5	1.5	1.7
145°	1.7	1.7	1.5	1.5	1.5	1.7	1.7	1.9	1.9
147.5°	2.3	2.1	1.7	1.7	1.7	1.7	1.9	2.1	2.3
150°	2.4	2.3	1.9	1.9	1.9	1.9	2.1	2.4	2.6
152.5°	2.6	2.4	2.1	1.9	1.9	1.9	2.3	2.4	2.8
155°	2.8	2.6	2.3	1.9	1.9	2.1	2.4	2.8	3.0
157.5°	3.4	3.0	2.6	2.3	2.3	2.4	2.8	3.2	3.4
160°	3.7	3.4	3.0	2.6	2.6	2.8	3.2	3.5	3.7
162.5°	4.2	3.7	3.2	3.0	2.8	3.0	3.4	3.9	4.2
165°	4.4	3.9	3.5	3.2	3.2	3.2	3.7	4.2	4.4
167.5°	4.5	4.4	3.7	3.4	3.4	3.4	3.9	4.4	4.5
170°	4.7	4.5	3.9	3.5	3.4	3.5	4.2	4.5	4.7
172.5°	5.1	4.9	4.4	3.9	3.7	3.9	4.5	4.9	5.1
175°	5.6	5.3	4.9	4.4	4.2	4.4	4.9	5.3	5.6
177.5°	5.8	5.4	5.1	4.5	4.4	4.5	5.1	5.4	5.8
180°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1



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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	15.38	16.64	15.74	16.95	17.27	16.36	17.62	16.72	17.94	18.25
	3H	16.94	18.07	17.32	18.40	18.77	17.70	18.82	18.08	19.16	19.52
	4H	17.61	18.66	18.01	19.01	19.40	18.26	19.31	18.66	19.66	20.04
	6H	18.16	19.13	18.58	19.50	19.90	18.69	19.65	19.11	20.03	20.42
	8H	18.37	19.28	18.80	19.67	20.08	18.83	19.74	19.26	20.13	20.54
	12H	18.49	19.37	18.93	19.75	20.18	18.90	19.78	19.34	20.16	20.59
4H	2H	15.95	17.00	16.35	17.35	17.73	16.72	17.77	17.12	18.12	18.50
	3H	17.74	18.60	18.15	19.01	19.41	18.31	19.17	18.72	19.58	19.98
	4H	18.53	19.31	18.97	19.73	20.17	19.00	19.78	19.44	20.20	20.64
	6H	19.22	19.89	19.68	20.33	20.80	19.57	20.24	20.04	20.69	21.16
	8H	19.46	20.09	19.94	20.54	21.01	19.76	20.38	20.23	20.83	21.30
	12H	19.64	20.19	20.12	20.67	21.15	19.88	20.43	20.37	20.91	21.39
8H	4H	18.81	19.44	19.28	19.89	20.36	19.24	19.86	19.71	20.31	20.78
	6H	19.63	20.14	20.14	20.64	21.12	19.94	20.44	20.44	20.94	21.43
	8H	19.96	20.42	20.48	20.93	21.43	20.20	20.65	20.72	21.17	21.66
	12H	20.21	20.61	20.73	21.11	21.68	20.39	20.79	20.91	21.29	21.86
12H	4H	18.83	19.38	19.32	19.86	20.34	19.25	19.80	19.74	20.28	20.76
	6H	19.68	20.13	20.20	20.65	21.14	19.98	20.44	20.50	20.95	21.45
	8H	20.07	20.46	20.58	20.96	21.53	20.30	20.70	20.82	21.19	21.77

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			

REPORT NUMBER: SP1-2506-472-6

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			

REPORT NUMBER: SP1-2506-472-6

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)