

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: P1433866

Luminaire Tested: EHBR1-42-UNV-A1-L940

Issue Date: 3/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1433866
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: EHBR1-42-UNV-A1-L940
Description: Elevate Round Highbay at, 42000 lumens, 4000K 90CRI LEDs with A lens
Light Source: -
Ballast/Driver: -

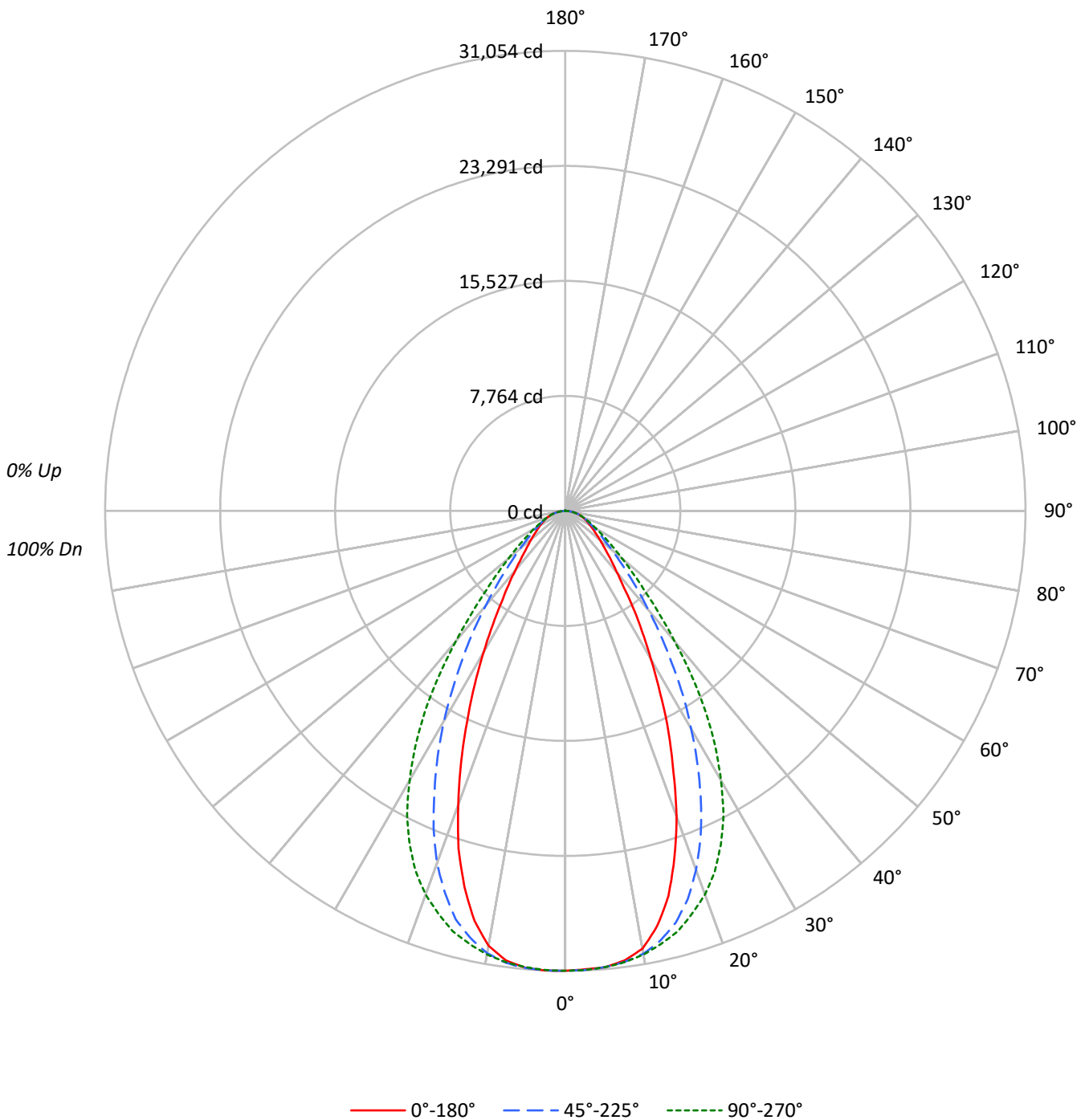
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38562.8 lumens
Efficiency: N/A
Efficacy: 171.8 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): 224.4
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: P1433866
CATALOG NUMBER: EHBR1-42-UNV-A1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P1433866
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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	145771	145771	145771	145771	145771
5°	145752	145731	145737	145994	145905
10°	143084	144752	144982	144573	142148
15°	130772	139898	142777	138776	127770
20°	109740	128887	137692	126460	105468
25°	85499	112270	128683	108170	81069
30°	62820	92162	113942	88665	59626
35°	45680	71659	94465	68573	42698
40°	33188	53446	70301	51191	32164
45°	26446	39542	49654	37828	25531
50°	22234	30104	36417	29112	21896
55°	19732	24155	28025	23752	19466
60°	18160	20578	22788	20450	18288
65°	17447	18646	19671	18704	17612
70°	17210	17620	18165	17719	17380
75°	17034	16929	17034	16976	17199
80°	17124	15894	15542	16140	17124
85°	15448	13104	12964	13314	15900

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 52025 cd/sqm



TEST NUMBER: P1433866
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2931.3	7.6
10°-20°	7878.4	20.4
20°-30°	9580.1	24.8
30°-40°	7803.7	20.2
40°-50°	4685.3	12.1
50°-60°	2696.4	7.0
60°-70°	1687.5	4.4
70°-80°	993.9	2.6
80°-90°	290.7	0.8
90°-100°	0.1	0.0
100°-110°	0.2	0.0
110°-120°	0.2	0.0
120°-130°	0.5	0.0
130°-140°	2.0	0.0
140°-150°	3.6	0.0
150°-160°	3.9	0.0
160°-170°	3.5	0.0
170°-180°	1.5	0.0
0°-30°	20389.8	52.9
0°-40°	28193.5	73.1
0°-60°	35575.2	92.3
0°-90°	38547.3	100.0
90°-120°	0.5	0.0
90°-150°	6.5	0.0
90°-180°	15.0	0.0
0°-180°	38562.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31041	31041	31041	31041	31041	
5°	30919	30914	30916	30970	30951	2922
15°	26898	28775	29367	28544	26281	7400
25°	16501	21667	24835	20876	15646	7518
35°	7968	12500	16478	11961	7448	5041
45°	3982	5954	7477	5696	3844	3141
55°	2410	2950	3423	2901	2378	2179
65°	1570	1678	1770	1683	1585	1561
75°	939	933	939	936	948	994
85°	287	243	241	247	295	306
90°	1	0	0	0	1	15
95°	1	0	0	0	1	1
105°	1	0	0	0	1	1
115°	1	0	0	0	1	1
125°	2	0	0	1	2	2
135°	3	3	3	3	3	2
145°	6	5	5	6	6	4
155°	10	8	6	8	10	5
165°	15	12	11	13	15	4
175°	20	17	14	17	20	2
180°	18	18	18	18	18	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	31041.0	31041.0	31041.0	31041.0	31041.0	31041.0	31041.0	31041.0	31041.0
2.5°	30972.7	31000.6	31012.4	31018.8	31026.0	31045.5	31053.9	31040.3	31051.9
5°	30918.7	30920.7	30914.2	30943.4	30915.5	30934.9	30970.1	30956.5	30951.2
7.5°	30604.0	30669.0	30707.4	30717.1	30722.3	30746.5	30771.1	30631.3	30610.5
10°	30005.9	30114.5	30355.6	30424.6	30403.8	30442.8	30318.0	29952.6	29809.6
12.5°	28694.6	29076.2	29702.9	29981.9	29931.2	29965.6	29540.4	28769.3	28326.0
15°	26898.2	27458.0	28775.2	29325.2	29367.4	29325.2	28544.4	27042.0	26280.6
17.5°	24510.3	25544.0	27483.4	28550.9	28489.7	28510.0	27027.6	24806.8	23935.6
20°	21959.1	23061.1	25790.4	27571.1	27552.3	27439.1	25304.7	22375.9	21104.2
22.5°	19073.8	20495.0	23850.4	26366.4	26359.2	26170.8	23206.7	19721.4	18352.1
25°	16500.6	17894.4	21667.2	24890.6	24834.7	24620.1	20876.0	17073.3	15645.6
27.5°	13840.2	15289.3	19336.5	23161.3	23122.9	22888.9	18647.9	14598.2	13239.4
30°	11584.8	12909.8	16995.9	21258.3	21012.5	20985.9	16351.0	12306.5	10995.8
32.5°	9652.6	10788.5	14789.4	19268.2	18833.2	18957.4	14061.9	10389.9	9090.9
35°	7968.1	8968.7	12499.6	16966.7	16477.8	16638.4	11961.3	8525.3	7448.0
37.5°	6466.9	7429.1	10558.9	14728.3	13980.7	14283.5	10113.6	7119.6	6256.3
40°	5413.7	6177.0	8718.3	12272.0	11467.8	11961.3	8350.4	5938.4	5246.7
42.5°	4664.8	5162.7	7195.8	9927.0	9310.0	9659.8	6882.3	4964.5	4446.9
45°	3982.1	4379.4	5954.0	7833.6	7476.6	7801.0	5695.9	4233.0	3844.3
47.5°	3478.2	3784.4	4901.4	6325.9	6104.1	6206.9	4757.1	3694.1	3378.1
50°	3043.3	3280.0	4120.6	5105.5	4984.6	5047.7	3984.7	3214.3	2997.1
52.5°	2705.2	2878.8	3456.1	4196.0	4136.2	4145.9	3395.7	2827.5	2670.1
55°	2410.1	2531.0	2950.3	3437.3	3423.0	3425.6	2901.0	2505.7	2377.6
57.5°	2152.0	2252.1	2535.6	2887.3	2866.5	2871.1	2512.2	2225.4	2142.9
60°	1933.5	2000.5	2191.0	2440.0	2426.3	2420.5	2177.3	1975.7	1947.1
62.5°	1739.8	1782.7	1914.6	2091.5	2065.5	2071.3	1914.0	1784.7	1742.4
65°	1570.1	1585.0	1678.0	1787.3	1770.3	1784.7	1683.2	1594.8	1585.0
67.5°	1404.3	1419.3	1473.9	1547.4	1527.8	1539.5	1475.2	1423.2	1414.7
70°	1253.4	1252.8	1283.3	1323.0	1323.0	1325.0	1290.5	1259.3	1265.8
72.5°	1097.5	1093.6	1102.6	1129.2	1122.2	1146.9	1110.4	1100.6	1102.0
75°	938.8	927.7	933.0	946.6	938.8	951.8	935.6	947.9	947.9
77.5°	789.3	768.4	762.0	763.9	749.6	769.1	773.0	781.5	800.9
80°	633.2	604.0	587.7	587.0	574.7	587.0	596.8	614.4	633.2
82.5°	470.0	444.7	417.4	412.2	404.4	411.5	424.6	445.3	475.9
85°	286.7	260.0	243.2	234.0	240.6	240.6	247.1	276.3	295.1
87.5°	103.4	90.4	74.2	74.8	76.7	79.3	82.5	104.1	113.8
90°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
92.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
95°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
97.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
100°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
102.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
105°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
107.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
110°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
115°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
117.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
120°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
122.5°	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	2.0
125°	2.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	2.0
127.5°	2.0	0.7	0.0	0.0	0.0	0.0	0.7	1.3	2.0
130°	2.0	1.3	0.7	0.0	0.7	0.7	1.3	1.3	2.0
132.5°	2.6	2.0	2.0	1.3	1.3	2.0	2.0	2.6	2.6
135°	3.3	2.6	2.6	2.0	2.6	2.6	2.6	2.6	3.3
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.9
140°	4.6	3.9	3.9	3.9	3.9	3.9	3.9	4.6	4.6
142.5°	5.2	5.2	4.6	4.6	4.6	5.2	5.2	5.2	5.9
145°	5.9	5.9	5.2	5.2	5.2	5.9	5.9	6.5	6.5
147.5°	7.8	7.2	5.9	5.9	5.9	5.9	6.5	7.2	7.8
150°	8.5	7.8	6.5	6.5	6.5	6.5	7.2	8.5	9.1
152.5°	9.1	8.5	7.2	6.5	6.5	6.5	7.8	8.5	9.8
155°	9.8	9.1	7.8	6.5	6.5	7.2	8.5	9.8	10.4
157.5°	11.7	10.4	9.1	7.8	7.8	8.5	9.8	11.1	11.7
160°	13.0	11.7	10.4	9.1	9.1	9.8	11.1	12.4	13.0
162.5°	14.3	13.0	11.1	10.4	9.8	10.4	11.7	13.7	14.3
165°	15.0	13.7	12.4	11.1	11.1	11.1	13.0	14.3	15.0
167.5°	15.6	15.0	13.0	11.7	11.7	11.7	13.7	15.0	15.6
170°	16.2	15.6	13.7	12.4	11.7	12.4	14.3	15.6	16.2
172.5°	17.5	16.9	15.0	13.7	13.0	13.7	15.6	16.9	17.5
175°	19.5	18.2	16.9	15.0	14.3	15.0	16.9	18.2	19.5
177.5°	20.1	18.8	17.5	15.6	15.0	15.6	17.5	18.8	20.1
180°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5



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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	19.69	20.96	20.06	21.27	21.59	20.68	21.94	21.04	22.26	22.57
	3H	21.26	22.39	21.64	22.72	23.08	22.02	23.14	22.40	23.48	23.84
	4H	21.93	22.98	22.33	23.33	23.72	22.58	23.63	22.98	23.98	24.36
	6H	22.48	23.45	22.90	23.82	24.22	23.01	23.97	23.42	24.35	24.74
	8H	22.69	23.60	23.12	23.99	24.40	23.15	24.06	23.58	24.45	24.86
	12H	22.81	23.69	23.25	24.07	24.50	23.22	24.10	23.66	24.48	24.91
4H	2H	20.27	21.32	20.67	21.67	22.05	21.04	22.09	21.44	22.44	22.82
	3H	22.06	22.92	22.47	23.33	23.73	22.63	23.49	23.04	23.90	24.30
	4H	22.85	23.63	23.29	24.05	24.49	23.32	24.10	23.76	24.52	24.96
	6H	23.54	24.20	24.00	24.65	25.12	23.89	24.56	24.36	25.01	25.48
	8H	23.78	24.41	24.26	24.86	25.33	24.08	24.70	24.55	25.15	25.62
	12H	23.96	24.51	24.44	24.99	25.46	24.20	24.75	24.68	25.23	25.71
8H	4H	23.13	23.76	23.60	24.21	24.68	23.56	24.18	24.03	24.63	25.10
	6H	23.95	24.46	24.46	24.96	25.44	24.26	24.76	24.76	25.26	25.75
	8H	24.28	24.74	24.80	25.25	25.75	24.52	24.97	25.04	25.49	25.98
	12H	24.53	24.93	25.05	25.43	26.00	24.71	25.11	25.23	25.61	26.18
12H	4H	23.15	23.70	23.64	24.18	24.66	23.57	24.12	24.06	24.60	25.08
	6H	24.00	24.45	24.52	24.97	25.46	24.30	24.76	24.82	25.27	25.77
	8H	24.38	24.78	24.90	25.28	25.85	24.62	25.02	25.14	25.51	26.09

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-7

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L940-N

Data in this report applies to families of products including EHBR-60-L940-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-7
 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-L940-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 3963
 CIE u': 0.2267
 CIE v': 0.5003
 Duv: -0.0016
 CIE x: 0.3810
 CIE y: 0.3738
 CIE z: 0.2453
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 580
 Purity: 26.49712
 Rf: 90.7
 Rg: 101

CRI (Ra):	93.4		
R1:	95.2	R9:	66.4
R2:	95.1	R10:	86.6
R3:	93.3	R11:	94.4
R4:	94.5	R12:	75.4
R5:	94.2	R13:	95.0
R6:	92.9	R14:	95.4
R7:	94.0	R15:	92.8
R8:	87.7		



Test Conditions

Stabilization Time: 44M
 Operation Time: 1H 44M
 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 4000K 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	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.76

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	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.64

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	141	NR	620	276	NR	750	5	NR	880	0	NR
365	0	NR	495	167	NR	625	279	NR	755	4	NR	885	0	NR
370	0	NR	500	193	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	215	NR	635	628	NR	765	3	NR	895	0	NR
380	0	NR	510	230	NR	640	164	NR	770	3	NR	900	0	NR
385	0	NR	515	243	NR	645	161	NR	775	2	NR	905	0	NR
390	1	NR	520	251	NR	650	137	NR	780	2	NR	910	0	NR
395	2	NR	525	256	NR	655	111	NR	785	2	NR	915	0	NR
400	3	NR	530	262	NR	660	92	NR	790	1	NR	920	0	NR
405	4	NR	535	267	NR	665	76	NR	795	1	NR	925	0	NR
410	6	NR	540	271	NR	670	71	NR	800	1	NR	930	0	NR
415	11	NR	545	276	NR	675	56	NR	805	1	NR	935	0	NR
420	20	NR	550	280	NR	680	47	NR	810	1	NR	940	0	NR
425	37	NR	555	285	NR	685	40	NR	815	1	NR	945	0	NR
430	63	NR	560	290	NR	690	34	NR	820	1	NR	950	0	NR
435	108	NR	565	294	NR	695	29	NR	825	1	NR	955	0	NR
440	186	NR	570	296	NR	700	25	NR	830	0	NR	960	0	NR
445	323	NR	575	298	NR	705	21	NR	835	0	NR	965	0	NR
450	403	NR	580	299	NR	710	18	NR	840	0	NR	970	0	NR
455	293	NR	585	298	NR	715	15	NR	845	0	NR	975	0	NR
460	214	NR	590	296	NR	720	13	NR	850	0	NR	980	0	NR
465	180	NR	595	288	NR	725	11	NR	855	0	NR	985	0	NR
470	132	NR	600	286	NR	730	9	NR	860	0	NR	990	0	NR
475	109	NR	605	282	NR	735	8	NR	865	0	NR	995	0	NR
480	110	NR	610	311	NR	740	7	NR	870	0	NR	1000	0	NR
485	121	NR	615	334	NR	745	6	NR	875	0	NR			

Summary

$R_f = 90.7$
 $R_g = 101$
 $CIE R_a = 93.4$
 $R_9 = 66.4$



Color Vector Graphics



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

CES01 = 86	CES26 = 90	CES51 = 99	CES76 = 83
CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 95	CES78 = 79
CES04 = 69	CES29 = 91	CES54 = 96	CES79 = 94
CES05 = 49	CES30 = 98	CES55 = 95	CES80 = 91
CES06 = 50	CES31 = 92	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 84	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 95	CES58 = 95	CES83 = 95
CES09 = 29	CES34 = 90	CES59 = 98	CES84 = 93
CES10 = 74	CES35 = 94	CES60 = 93	CES85 = 82
CES11 = 57	CES36 = 84	CES61 = 93	CES86 = 84
CES12 = 63	CES37 = 92	CES62 = 90	CES87 = 90
CES13 = 43	CES38 = 93	CES63 = 92	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 71	CES40 = 96	CES65 = 88	CES90 = 99
CES16 = 47	CES41 = 98	CES66 = 88	CES91 = 74
CES17 = 49	CES42 = 89	CES67 = 87	CES92 = 78
CES18 = 56	CES43 = 89	CES68 = 87	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 88	CES94 = 75
CES20 = 66	CES45 = 93	CES70 = 84	CES95 = 83
CES21 = 85	CES46 = 95	CES71 = 80	CES96 = 91
CES22 = 78	CES47 = 92	CES72 = 93	CES97 = 93
CES23 = 91	CES48 = 96	CES73 = 78	CES98 = 93
CES24 = 90	CES49 = 93	CES74 = 92	CES99 = 94
CES25 = 71	CES50 = 99	CES75 = 81	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)