

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: P1431903

Luminaire Tested: EHBR1-42-UNV-A1-L950

Issue Date: 3/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1431903
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-L950
Description: Elevate Round Highbay at, 42000 lumens, 5000K 90CRI LEDs with A lens
Light Source: -
Ballast/Driver: -

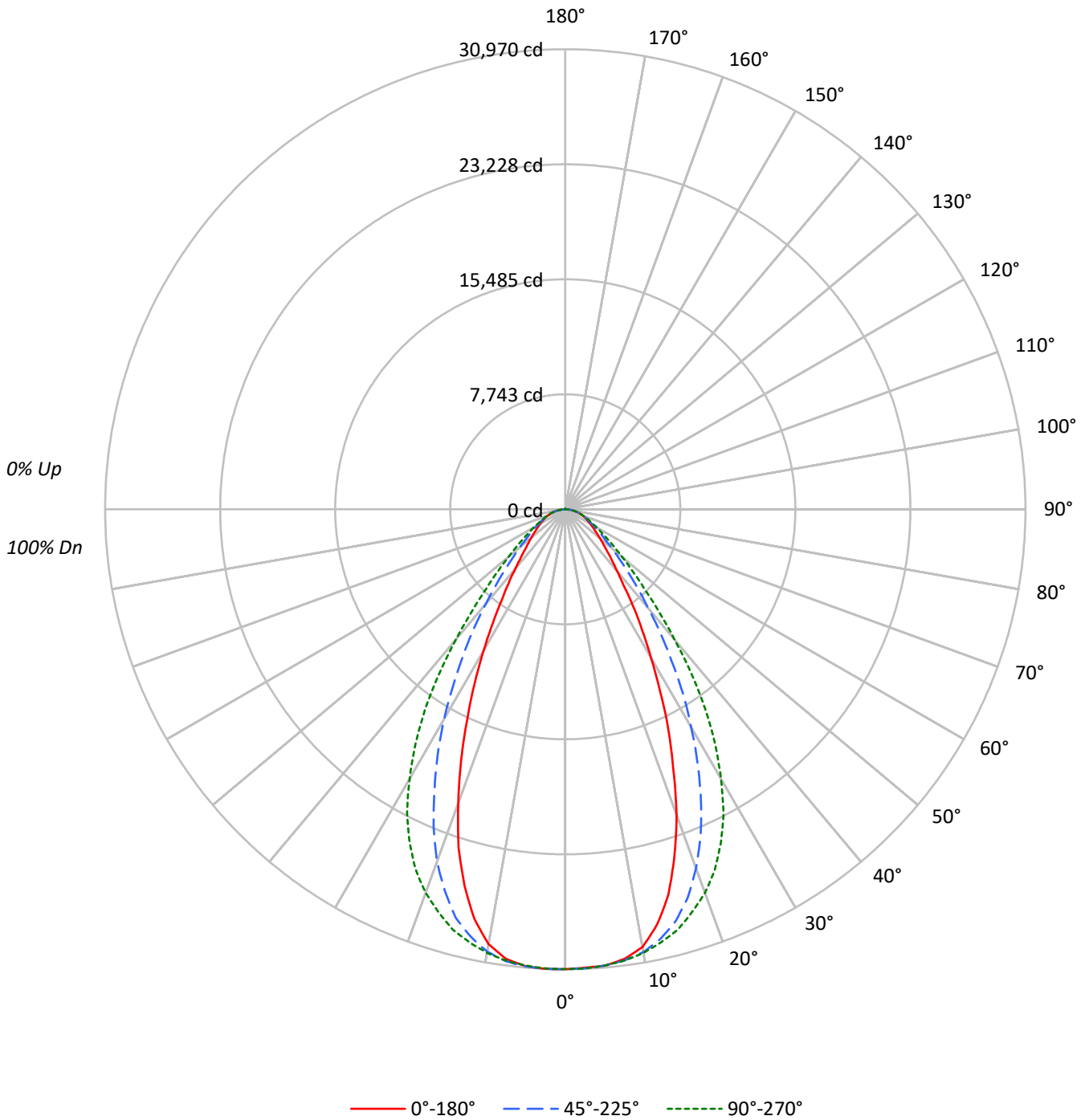
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38458.0 lumens
Efficiency: N/A
Efficacy: 171.4 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 (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: P1431903
CATALOG NUMBER: EHBR1-42-UNV-A1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P1431903
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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°	145375	145375	145375	145375	145375
5°	145356	145334	145340	145597	145509
10°	142695	144358	144588	144180	141762
15°	130417	139518	142389	138399	127423
20°	109442	128537	137318	126116	105181
25°	85266	111965	128333	107876	80849
30°	62649	91911	113632	88424	59464
35°	45556	71464	94209	68386	42583
40°	33098	53301	70111	51051	32076
45°	26375	39435	49519	37725	25461
50°	22173	30023	36317	29033	21837
55°	19678	24090	27949	23687	19413
60°	18111	20522	22726	20394	18238
65°	17399	18595	19618	18652	17565
70°	17163	17574	18116	17671	17333
75°	16989	16881	16989	16929	17154
80°	17078	15850	15501	16096	17078
85°	15405	13066	12926	13276	15857

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 51884 cd/sqm



TEST NUMBER: P1431903
 CATALOG NUMBER: EHBR1-42-UNV-A1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2923.4	7.6
10°-20°	7857.0	20.4
20°-30°	9554.0	24.8
30°-40°	7782.5	20.2
40°-50°	4672.6	12.1
50°-60°	2689.1	7.0
60°-70°	1682.9	4.4
70°-80°	991.2	2.6
80°-90°	289.9	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°	20334.4	52.9
0°-40°	28116.8	73.1
0°-60°	35478.5	92.3
0°-90°	38442.5	100.0
90°-120°	0.5	0.0
90°-150°	6.5	0.0
90°-180°	15.0	0.0
0°-180°	38458.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30957	30957	30957	30957	30957	
5°	30835	30830	30831	30886	30867	2914
15°	26825	28697	29288	28467	26209	7380
25°	16456	21608	24767	20819	15603	7497
35°	7946	12466	16433	11929	7428	5027
45°	3971	5938	7456	5680	3834	3133
55°	2404	2942	3414	2893	2371	2173
65°	1566	1673	1766	1679	1581	1557
75°	936	930	936	933	945	992
85°	286	242	240	246	294	305
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°	19	17	14	17	19	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°	30956.6	30956.6	30956.6	30956.6	30956.6	30956.6	30956.6	30956.6	30956.6
2.5°	30888.5	30916.4	30928.1	30934.5	30941.6	30961.1	30969.5	30955.9	30967.6
5°	30834.7	30836.6	30830.1	30859.3	30831.4	30850.9	30885.9	30872.3	30867.1
7.5°	30520.8	30585.7	30624.0	30633.6	30638.8	30662.9	30687.5	30548.1	30527.3
10°	29924.3	30032.7	30273.1	30341.9	30321.2	30360.1	30235.6	29871.2	29728.6
12.5°	28616.6	28997.2	29622.2	29900.4	29849.8	29884.1	29460.2	28691.1	28249.0
15°	26825.1	27383.4	28697.0	29245.5	29287.6	29245.5	28466.8	26968.5	26209.2
17.5°	24443.7	25474.5	27408.7	28473.3	28412.3	28432.5	26954.2	24739.3	23870.5
20°	21899.4	22998.5	25720.3	27496.2	27477.4	27364.5	25235.9	22315.1	21046.8
22.5°	19021.9	20439.3	23785.6	26294.8	26287.6	26099.6	23143.7	19667.8	18302.2
25°	16455.7	17845.8	21608.3	24823.0	24767.2	24553.2	20819.2	17026.9	15603.1
27.5°	13802.5	15247.8	19283.9	23098.3	23060.1	22826.7	18597.2	14558.6	13203.5
30°	11553.3	12874.7	16949.7	21200.5	20955.4	20928.9	16306.6	12273.0	10966.0
32.5°	9626.4	10759.1	14749.2	19215.8	18782.0	18905.9	14023.7	10361.7	9066.2
35°	7946.4	8944.3	12465.6	16920.6	16433.1	16593.1	11928.8	8502.1	7427.8
37.5°	6449.4	7408.9	10530.2	14688.3	13942.7	14244.7	10086.1	7100.3	6239.3
40°	5399.0	6160.2	8694.6	12238.7	11436.7	11928.8	8327.7	5922.3	5232.4
42.5°	4652.1	5148.7	7176.2	9900.0	9284.7	9633.5	6863.6	4951.0	4434.8
45°	3971.3	4367.5	5937.8	7812.3	7456.3	7779.8	5680.4	4221.5	3833.8
47.5°	3468.8	3774.2	4888.1	6308.7	6087.6	6190.0	4744.1	3684.0	3369.0
50°	3035.0	3271.0	4109.4	5091.6	4971.0	5033.9	3973.9	3205.5	2989.0
52.5°	2697.9	2871.0	3446.7	4184.6	4125.0	4134.7	3386.4	2819.8	2662.8
55°	2403.5	2524.1	2942.3	3428.0	3413.7	3416.3	2893.1	2498.9	2371.1
57.5°	2146.2	2245.9	2528.7	2879.4	2858.7	2863.3	2505.4	2219.4	2137.1
60°	1928.3	1995.1	2185.0	2433.3	2419.7	2413.9	2171.4	1970.4	1941.8
62.5°	1735.0	1777.9	1909.4	2085.9	2059.8	2065.7	1908.8	1779.8	1737.6
65°	1565.8	1580.7	1673.4	1782.4	1765.5	1779.8	1678.6	1590.5	1580.7
67.5°	1400.5	1415.4	1469.9	1543.2	1523.7	1535.4	1471.2	1419.3	1410.9
70°	1250.0	1249.4	1279.9	1319.4	1319.4	1321.4	1287.0	1255.9	1262.4
72.5°	1094.5	1090.6	1099.6	1126.2	1119.1	1143.7	1107.4	1097.7	1099.0
75°	936.3	925.2	930.4	944.1	936.3	949.2	933.0	945.4	945.4
77.5°	787.1	766.3	759.9	761.9	747.6	767.0	770.9	779.3	798.8
80°	631.5	602.3	586.1	585.4	573.2	585.4	595.2	612.8	631.5
82.5°	468.7	443.5	416.2	411.0	403.3	410.4	423.4	444.1	474.6
85°	285.9	259.3	242.5	233.4	239.9	239.9	246.4	275.6	294.3
87.5°	103.1	90.1	74.0	74.6	76.5	79.1	82.3	103.8	113.4
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°	15.5	15.0	13.0	11.7	11.7	11.7	13.7	15.0	15.5
170°	16.2	15.5	13.7	12.4	11.7	12.4	14.3	15.5	16.2
172.5°	17.5	16.8	15.0	13.7	13.0	13.7	15.5	16.8	17.5
175°	19.4	18.1	16.8	15.0	14.3	15.0	16.8	18.1	19.4
177.5°	20.1	18.8	17.5	15.5	15.0	15.5	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	20.95	20.05	21.26	21.58	20.67	21.93	21.03	22.25	22.56
	3H	21.25	22.38	21.63	22.71	23.08	22.01	23.13	22.39	23.47	23.83
	4H	21.92	22.97	22.32	23.32	23.71	22.57	23.62	22.97	23.97	24.35
	6H	22.47	23.44	22.89	23.81	24.21	23.00	23.96	23.42	24.34	24.73
	8H	22.68	23.59	23.11	23.98	24.39	23.14	24.05	23.57	24.44	24.85
	12H	22.80	23.68	23.24	24.06	24.49	23.21	24.09	23.65	24.47	24.90
4H	2H	20.26	21.31	20.66	21.66	22.04	21.03	22.08	21.43	22.43	22.81
	3H	22.05	22.91	22.46	23.32	23.72	22.62	23.48	23.03	23.89	24.29
	4H	22.84	23.62	23.28	24.04	24.48	23.31	24.09	23.75	24.51	24.95
	6H	23.53	24.20	23.99	24.64	25.11	23.88	24.55	24.35	25.00	25.47
	8H	23.78	24.40	24.25	24.85	25.32	24.07	24.69	24.54	25.14	25.61
	12H	23.95	24.50	24.43	24.98	25.46	24.19	24.74	24.68	25.22	25.70
8H	4H	23.12	23.75	23.59	24.20	24.67	23.55	24.17	24.02	24.62	25.09
	6H	23.94	24.45	24.45	24.95	25.43	24.25	24.75	24.75	25.25	25.74
	8H	24.27	24.73	24.80	25.24	25.74	24.51	24.96	25.03	25.48	25.97
	12H	24.52	24.92	25.04	25.42	25.99	24.70	25.10	25.22	25.60	26.17
12H	4H	23.14	23.69	23.63	24.17	24.65	23.56	24.11	24.05	24.59	25.07
	6H	23.99	24.44	24.51	24.96	25.45	24.29	24.75	24.81	25.26	25.76
	8H	24.38	24.77	24.89	25.27	25.84	24.61	25.01	25.13	25.50	26.08

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: SP1-2506-472-8

Test Date: 08/04/2025

Luminaire Tested: EHBR-60-L950-N

Data in this report applies to families of products including EHBR-60-L950-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-8
 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-L950-N**
 Description: Elevate Round Highbay at, 60000 lumens, 5000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K): 4901
 CIE u': 0.2131
 CIE v': 0.4853
 Duv: -0.0008
 CIE x: 0.3477
 CIE y: 0.3520
 CIE z: 0.3003
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 574
 Purity: 9.953987
 Rf: 90.7
 Rg: 100.5

CRI (Ra):	94.3		
R1:	95.8	R9:	72.3
R2:	96.5	R10:	89.1
R3:	94.4	R11:	94.9
R4:	95.3	R12:	68.4
R5:	94.1	R13:	96.4
R6:	92.5	R14:	96.4
R7:	95.5	R15:	93.9
R8:	90.1		



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 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 5000K 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	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	311	NR	635	643	NR	765	4	NR	895	0	NR
380	0	NR	510	329	NR	640	206	NR	770	4	NR	900	0	NR
385	1	NR	515	344	NR	645	199	NR	775	3	NR	905	0	NR
390	2	NR	520	353	NR	650	172	NR	780	3	NR	910	0	NR
395	3	NR	525	357	NR	655	143	NR	785	2	NR	915	0	NR
400	5	NR	530	362	NR	660	122	NR	790	2	NR	920	0	NR
405	6	NR	535	365	NR	665	102	NR	795	2	NR	925	0	NR
410	9	NR	540	367	NR	670	94	NR	800	2	NR	930	0	NR
415	15	NR	545	369	NR	675	76	NR	805	1	NR	935	0	NR
420	26	NR	550	370	NR	680	65	NR	810	1	NR	940	0	NR
425	47	NR	555	372	NR	685	56	NR	815	1	NR	945	0	NR
430	81	NR	560	372	NR	690	48	NR	820	1	NR	950	0	NR
435	143	NR	565	371	NR	695	41	NR	825	1	NR	955	0	NR
440	243	NR	570	370	NR	700	35	NR	830	1	NR	960	0	NR
445	434	NR	575	367	NR	705	30	NR	835	1	NR	965	0	NR
450	675	NR	580	365	NR	710	25	NR	840	1	NR	970	0	NR
455	615	NR	585	361	NR	715	22	NR	845	0	NR	975	0	NR
460	418	NR	590	356	NR	720	19	NR	850	0	NR	980	0	NR
465	344	NR	595	348	NR	725	16	NR	855	0	NR	985	0	NR
470	272	NR	600	343	NR	730	13	NR	860	0	NR	990	0	NR
475	206	NR	605	337	NR	735	11	NR	865	0	NR	995	0	NR
480	190	NR	610	362	NR	740	10	NR	870	0	NR	1000	0	NR
485	202	NR	615	381	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-8

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 2.04

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	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	311	NR	635	643	NR	765	4	NR	895	0	NR
380	0	NR	510	329	NR	640	206	NR	770	4	NR	900	0	NR
385	1	NR	515	344	NR	645	199	NR	775	3	NR	905	0	NR
390	2	NR	520	353	NR	650	172	NR	780	3	NR	910	0	NR
395	3	NR	525	357	NR	655	143	NR	785	2	NR	915	0	NR
400	5	NR	530	362	NR	660	122	NR	790	2	NR	920	0	NR
405	6	NR	535	365	NR	665	102	NR	795	2	NR	925	0	NR
410	9	NR	540	367	NR	670	94	NR	800	2	NR	930	0	NR
415	15	NR	545	369	NR	675	76	NR	805	1	NR	935	0	NR
420	26	NR	550	370	NR	680	65	NR	810	1	NR	940	0	NR
425	47	NR	555	372	NR	685	56	NR	815	1	NR	945	0	NR
430	81	NR	560	372	NR	690	48	NR	820	1	NR	950	0	NR
435	143	NR	565	371	NR	695	41	NR	825	1	NR	955	0	NR
440	243	NR	570	370	NR	700	35	NR	830	1	NR	960	0	NR
445	434	NR	575	367	NR	705	30	NR	835	1	NR	965	0	NR
450	675	NR	580	365	NR	710	25	NR	840	1	NR	970	0	NR
455	615	NR	585	361	NR	715	22	NR	845	0	NR	975	0	NR
460	418	NR	590	356	NR	720	19	NR	850	0	NR	980	0	NR
465	344	NR	595	348	NR	725	16	NR	855	0	NR	985	0	NR
470	272	NR	600	343	NR	730	13	NR	860	0	NR	990	0	NR
475	206	NR	605	337	NR	735	11	NR	865	0	NR	995	0	NR
480	190	NR	610	362	NR	740	10	NR	870	0	NR	1000	0	NR
485	202	NR	615	381	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.41

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	221	NR	620	326	NR	750	7	NR	880	0	NR
365	0	NR	495	250	NR	625	325	NR	755	6	NR	885	0	NR
370	0	NR	500	284	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	311	NR	635	643	NR	765	4	NR	895	0	NR
380	0	NR	510	329	NR	640	206	NR	770	4	NR	900	0	NR
385	1	NR	515	344	NR	645	199	NR	775	3	NR	905	0	NR
390	2	NR	520	353	NR	650	172	NR	780	3	NR	910	0	NR
395	3	NR	525	357	NR	655	143	NR	785	2	NR	915	0	NR
400	5	NR	530	362	NR	660	122	NR	790	2	NR	920	0	NR
405	6	NR	535	365	NR	665	102	NR	795	2	NR	925	0	NR
410	9	NR	540	367	NR	670	94	NR	800	2	NR	930	0	NR
415	15	NR	545	369	NR	675	76	NR	805	1	NR	935	0	NR
420	26	NR	550	370	NR	680	65	NR	810	1	NR	940	0	NR
425	47	NR	555	372	NR	685	56	NR	815	1	NR	945	0	NR
430	81	NR	560	372	NR	690	48	NR	820	1	NR	950	0	NR
435	143	NR	565	371	NR	695	41	NR	825	1	NR	955	0	NR
440	243	NR	570	370	NR	700	35	NR	830	1	NR	960	0	NR
445	434	NR	575	367	NR	705	30	NR	835	1	NR	965	0	NR
450	675	NR	580	365	NR	710	25	NR	840	1	NR	970	0	NR
455	615	NR	585	361	NR	715	22	NR	845	0	NR	975	0	NR
460	418	NR	590	356	NR	720	19	NR	850	0	NR	980	0	NR
465	344	NR	595	348	NR	725	16	NR	855	0	NR	985	0	NR
470	272	NR	600	343	NR	730	13	NR	860	0	NR	990	0	NR
475	206	NR	605	337	NR	735	11	NR	865	0	NR	995	0	NR
480	190	NR	610	362	NR	740	10	NR	870	0	NR	1000	0	NR
485	202	NR	615	381	NR	745	8	NR	875	0	NR			

Summary

$R_f = 90.7$
 $R_g = 100.5$
 CIE $R_a = 94.3$
 $R_9 = 72.3$



Color Vector Graphics



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

CES01 = 85	CES26 = 91	CES51 = 98	CES76 = 83
CES02 = 61	CES27 = 92	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 97	CES78 = 80
CES04 = 69	CES29 = 94	CES54 = 93	CES79 = 94
CES05 = 48	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 50	CES31 = 95	CES56 = 95	CES81 = 84
CES07 = 41	CES32 = 86	CES57 = 94	CES82 = 96
CES08 = 40	CES33 = 99	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 90	CES59 = 97	CES84 = 93
CES10 = 73	CES35 = 94	CES60 = 92	CES85 = 83
CES11 = 56	CES36 = 81	CES61 = 92	CES86 = 86
CES12 = 62	CES37 = 92	CES62 = 86	CES87 = 91
CES13 = 43	CES38 = 88	CES63 = 92	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 87
CES15 = 71	CES40 = 97	CES65 = 88	CES90 = 98
CES16 = 47	CES41 = 97	CES66 = 85	CES91 = 73
CES17 = 48	CES42 = 90	CES67 = 84	CES92 = 79
CES18 = 56	CES43 = 91	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 99	CES69 = 87	CES94 = 78
CES20 = 65	CES45 = 95	CES70 = 83	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 77	CES96 = 92
CES22 = 77	CES47 = 95	CES72 = 92	CES97 = 95
CES23 = 91	CES48 = 93	CES73 = 77	CES98 = 95
CES24 = 90	CES49 = 95	CES74 = 92	CES99 = 94
CES25 = 70	CES50 = 98	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)