

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: P1432394

Luminaire Tested: EHBR1-36-UNV-A1-L830

Issue Date: 3/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1432394
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: EHBR1-36-UNV-A1-L830
Description: Elevate Round Highbay at, 36000 lumens, 3000K 80CRI LEDs with A lens
Light Source: -
Ballast/Driver: -

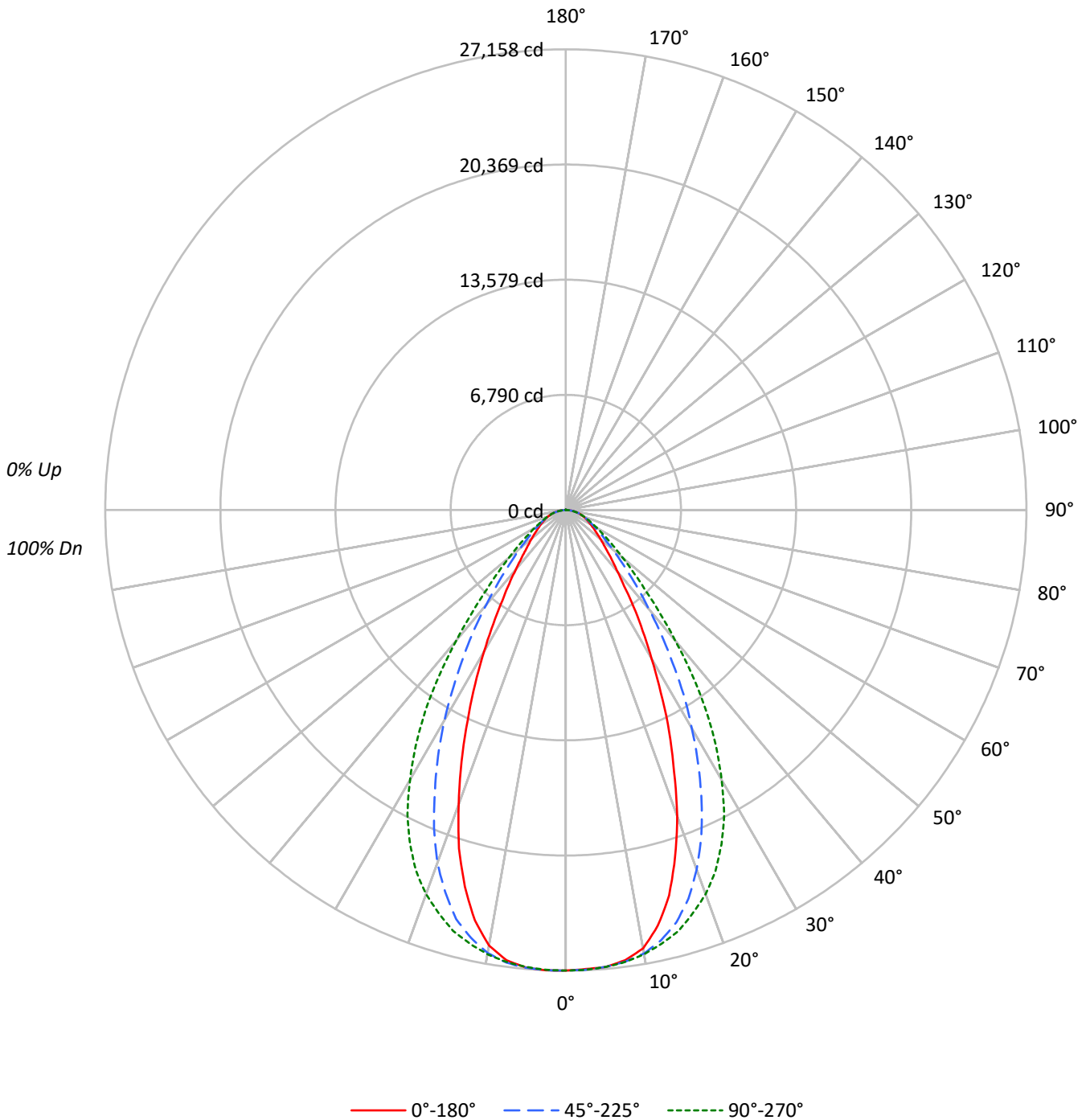
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33724.3 lumens
Efficiency: N/A
Efficacy: 176.2 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): 191.4
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: P1432394
CATALOG NUMBER: EHBR1-36-UNV-A1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P1432394
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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°	127482	127482	127482	127482	127482
5°	127465	127446	127451	127677	127599
10°	125132	126590	126791	126433	124313
15°	114365	122346	124863	121364	111739
20°	95971	112716	120416	110593	92235
25°	74772	98184	112537	94598	70897
30°	54938	80599	99646	77540	52145
35°	39949	62668	82612	59969	37341
40°	29024	46741	61481	44768	28128
45°	23128	34581	43424	33082	22327
50°	19444	26327	31848	25459	19149
55°	17257	21125	24509	20771	17023
60°	15881	17995	19929	17884	15993
65°	15258	16306	17203	16357	15402
70°	15051	15411	15886	15496	15200
75°	14896	14804	14896	14846	15042
80°	14977	13900	13592	14114	14977
85°	13514	11455	11337	11644	13912

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 45497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2563.5	7.6
10°-20°	6889.9	20.4
20°-30°	8378.1	24.8
30°-40°	6824.6	20.2
40°-50°	4097.5	12.1
50°-60°	2358.1	7.0
60°-70°	1475.8	4.4
70°-80°	869.2	2.6
80°-90°	254.2	0.8
90°-100°	0.1	0.0
100°-110°	0.1	0.0
110°-120°	0.2	0.0
120°-130°	0.4	0.0
130°-140°	1.7	0.0
140°-150°	3.1	0.0
150°-160°	3.4	0.0
160°-170°	3.1	0.0
170°-180°	1.3	0.0
0°-30°	17831.5	52.9
0°-40°	24656.1	73.1
0°-60°	31111.7	92.3
0°-90°	33710.8	100.0
90°-120°	0.4	0.0
90°-150°	5.6	0.0
90°-180°	13.0	0.0
0°-180°	33724.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27146	27146	27146	27146	27146	
5°	27039	27035	27037	27084	27068	2555
15°	23523	25165	25683	24963	22983	6472
25°	14430	18949	21719	18257	13683	6575
35°	6968	10931	14410	10460	6514	4409
45°	3482	5207	6538	4981	3362	2747
55°	2108	2580	2994	2537	2079	1905
65°	1373	1467	1548	1472	1386	1365
75°	821	816	821	818	829	870
85°	251	213	210	216	258	268
90°	1	0	0	0	1	13
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	1
135°	3	2	2	2	3	2
145°	5	5	5	5	6	3
155°	8	7	6	7	9	4
165°	13	11	10	11	13	4
175°	17	15	13	15	17	2
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	27146.3	27146.3	27146.3	27146.3	27146.3	27146.3	27146.3	27146.3	27146.3
2.5°	27086.6	27111.1	27121.3	27127.0	27133.3	27150.3	27157.7	27145.7	27155.9
5°	27039.4	27041.1	27035.4	27061.1	27036.6	27053.7	27084.4	27072.4	27067.8
7.5°	26764.2	26821.1	26854.6	26863.1	26867.7	26888.7	26910.3	26788.1	26769.9
10°	26241.2	26336.1	26547.0	26607.3	26589.1	26623.2	26514.0	26194.5	26069.5
12.5°	25094.3	25428.1	25976.2	26220.1	26175.8	26205.9	25834.1	25159.7	24771.9
15°	23523.4	24012.9	25164.9	25645.9	25682.8	25645.9	24963.0	23649.0	22983.3
17.5°	21435.0	22339.1	24035.1	24968.7	24915.2	24932.9	23636.5	21694.3	20932.4
20°	19203.9	20167.7	22554.5	24111.8	24095.3	23996.4	22129.8	19568.4	18456.3
22.5°	16680.6	17923.6	20858.0	23058.3	23052.0	22887.2	20295.0	17247.0	16049.6
25°	14430.3	15649.3	18948.7	21767.6	21718.7	21531.1	18256.7	14931.1	13682.6
27.5°	12103.7	13371.1	16910.4	20255.3	20221.7	20017.0	16308.3	12766.6	11578.3
30°	10131.4	11290.1	14863.5	18591.1	18376.2	18352.8	14299.5	10762.4	9616.2
32.5°	8441.5	9434.8	12933.8	16850.6	16470.2	16578.9	12297.6	9086.3	7950.3
35°	6968.4	7843.4	10931.3	14837.9	14410.3	14550.8	10460.5	7455.6	6513.5
37.5°	5655.6	6497.0	9234.1	12880.3	12226.5	12491.5	8844.7	6226.4	5471.3
40°	4734.5	5402.0	7624.5	10732.3	10029.0	10460.5	7302.7	5193.3	4588.4
42.5°	4079.5	4515.0	6292.9	8681.5	8141.9	8447.8	6018.8	4341.6	3889.0
45°	3482.5	3829.9	5207.0	6850.7	6538.5	6822.2	4981.2	3702.0	3361.9
47.5°	3041.9	3309.7	4286.5	5532.2	5338.3	5428.1	4160.2	3230.6	2954.3
50°	2661.5	2868.4	3603.6	4465.0	4359.3	4414.3	3484.7	2811.0	2621.1
52.5°	2365.8	2517.6	3022.5	3669.6	3617.2	3625.7	2969.6	2472.7	2335.1
55°	2107.7	2213.4	2580.2	3006.0	2993.5	2995.8	2537.0	2191.2	2079.2
57.5°	1881.9	1969.5	2217.4	2525.0	2506.8	2510.8	2197.0	1946.2	1874.0
60°	1690.9	1749.5	1916.0	2133.8	2121.9	2116.8	1904.1	1727.9	1702.8
62.5°	1521.5	1559.1	1674.5	1829.1	1806.3	1811.5	1673.9	1560.7	1523.7
65°	1373.1	1386.1	1467.4	1563.0	1548.2	1560.7	1472.0	1394.7	1386.1
67.5°	1228.1	1241.1	1288.9	1353.2	1336.1	1346.3	1290.0	1244.6	1237.2
70°	1096.2	1095.7	1122.4	1157.0	1157.0	1158.7	1128.6	1101.3	1107.0
72.5°	959.8	956.3	964.2	987.6	981.4	1002.9	971.1	962.6	963.7
75°	821.0	811.4	815.9	827.9	821.0	832.4	818.2	829.0	829.0
77.5°	690.3	672.1	666.4	668.1	655.6	672.7	676.0	683.4	700.5
80°	553.8	528.2	514.0	513.4	502.6	513.4	521.9	537.3	553.8
82.5°	411.1	388.9	365.0	360.4	353.6	359.9	371.3	389.5	416.2
85°	250.8	227.4	212.6	204.7	210.4	210.4	216.1	241.7	258.2
87.5°	90.4	79.1	64.8	65.4	67.1	69.4	72.2	91.0	99.5
90°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
92.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
95°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
97.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
100°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
102.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
105°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
107.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
110°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
115°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
117.5°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
120°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1
122.5°	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.7
125°	1.7	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.7
127.5°	1.7	0.6	0.0	0.0	0.0	0.0	0.6	1.1	1.7
130°	1.7	1.1	0.6	0.0	0.6	0.6	1.1	1.1	1.7
132.5°	2.2	1.7	1.7	1.1	1.1	1.7	1.7	2.2	2.2
135°	2.8	2.2	2.2	1.7	2.2	2.2	2.2	2.2	2.8
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.4
140°	3.9	3.4	3.4	3.4	3.4	3.4	3.4	3.9	3.9
142.5°	4.6	4.6	3.9	3.9	3.9	4.6	4.6	4.6	5.2
145°	5.2	5.2	4.6	4.6	4.6	5.2	5.2	5.7	5.7
147.5°	6.8	6.3	5.2	5.2	5.2	5.2	5.7	6.3	6.8
150°	7.4	6.8	5.7	5.7	5.7	5.7	6.3	7.4	8.0
152.5°	8.0	7.4	6.3	5.7	5.7	5.7	6.8	7.4	8.5
155°	8.5	8.0	6.8	5.7	5.7	6.3	7.4	8.5	9.1
157.5°	10.2	9.1	8.0	6.8	6.8	7.4	8.5	9.6	10.2
160°	11.3	10.2	9.1	8.0	8.0	8.5	9.6	10.8	11.3
162.5°	12.6	11.3	9.6	9.1	8.5	9.1	10.2	11.9	12.6
165°	13.1	11.9	10.8	9.6	9.6	9.6	11.3	12.6	13.1
167.5°	13.7	13.1	11.3	10.2	10.2	10.2	11.9	13.1	13.7
170°	14.2	13.7	11.9	10.8	10.2	10.8	12.6	13.7	14.2
172.5°	15.4	14.8	13.1	11.9	11.3	11.9	13.7	14.8	15.4
175°	17.0	15.9	14.8	13.1	12.6	13.1	14.8	15.9	17.0
177.5°	17.6	16.5	15.4	13.7	13.1	13.7	15.4	16.5	17.6
180°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4



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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	19.23	20.49	19.59	20.81	21.12	20.21	21.48	20.58	21.79	22.11
	3H	20.80	21.92	21.18	22.25	22.62	21.55	22.68	21.93	23.01	23.38
	4H	21.46	22.51	21.87	22.87	23.25	22.11	23.16	22.52	23.51	23.90
	6H	22.02	22.98	22.43	23.36	23.75	22.54	23.51	22.96	23.88	24.27
	8H	22.22	23.13	22.65	23.52	23.93	22.68	23.59	23.11	23.99	24.39
	12H	22.35	23.22	22.78	23.60	24.03	22.76	23.63	23.19	24.01	24.45
4H	2H	19.80	20.85	20.20	21.20	21.59	20.57	21.62	20.97	21.97	22.36
	3H	21.59	22.45	22.01	22.86	23.26	22.16	23.02	22.57	23.43	23.83
	4H	22.39	23.16	22.82	23.58	24.03	22.86	23.63	23.29	24.05	24.50
	6H	23.07	23.74	23.54	24.19	24.65	23.43	24.10	23.89	24.54	25.01
	8H	23.32	23.94	23.79	24.39	24.86	23.61	24.24	24.08	24.68	25.16
	12H	23.49	24.04	23.98	24.52	25.00	23.73	24.28	24.22	24.77	25.24
8H	4H	22.67	23.29	23.14	23.74	24.21	23.09	23.71	23.56	24.16	24.63
	6H	23.49	23.99	23.99	24.49	24.97	23.79	24.30	24.29	24.80	25.28
	8H	23.82	24.27	24.34	24.79	25.28	24.05	24.51	24.58	25.02	25.52
	12H	24.07	24.47	24.58	24.96	25.54	24.24	24.64	24.76	25.14	25.71
12H	4H	22.68	23.23	23.17	23.72	24.19	23.10	23.65	23.59	24.14	24.61
	6H	23.53	23.99	24.06	24.50	25.00	23.83	24.29	24.36	24.81	25.30
	8H	23.92	24.32	24.44	24.81	25.39	24.15	24.55	24.67	25.05	25.62

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-2

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L830-N

Data in this report applies to families of products including EHBR-60-L830-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-2
 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-L830-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 2983
 CIE u': 0.2516
 CIE v': 0.5201
 Duv: -0.0012
 CIE x: 0.4364
 CIE y: 0.4010
 CIE z: 0.1626
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 51.34918
 Rf: 81.2
 Rg: 101.5

CRI (Ra):	83.4		
R1:	84.0	R9:	29.4
R2:	87.5	R10:	68.6
R3:	88.9	R11:	82.2
R4:	83.8	R12:	61.6
R5:	81.9	R13:	83.9
R6:	83.1	R14:	92.5
R7:	87.1	R15:	79.8
R8:	70.9		



Test Conditions

Stabilization Time: 38M
 Operation Time: 1H 38M
 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 3000K 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	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.27

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	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.34

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	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

Summary

$R_f = 81.2$
 $R_g = 101.5$
 CIE $R_a = 83.4$
 $R_9 = 29.4$



Color Vector Graphics

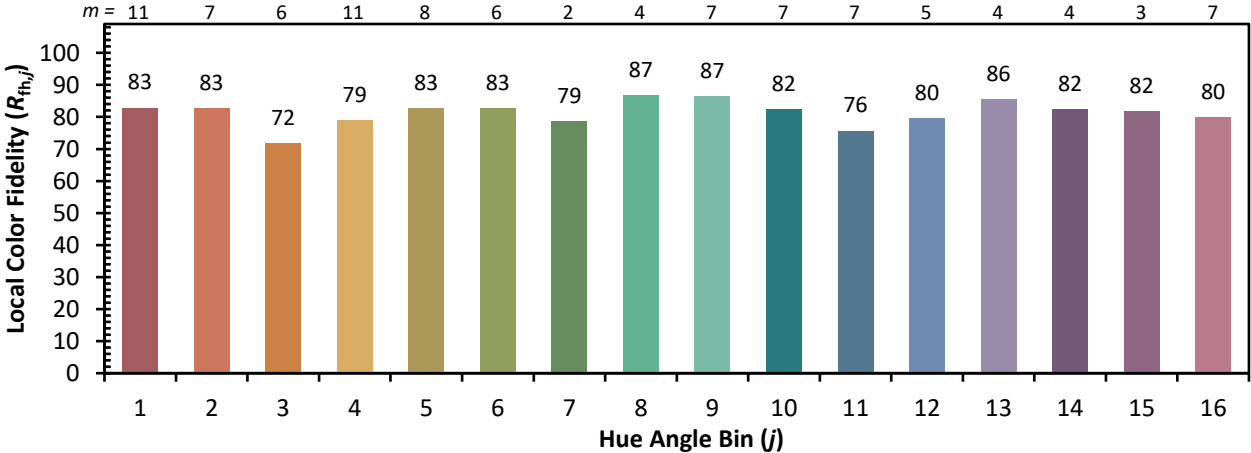


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 71	CES51 = 89	CES76 = 65
CES02 = 63	CES27 = 89	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 86	CES53 = 80	CES78 = 67
CES04 = 70	CES29 = 68	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 77	CES55 = 90	CES80 = 85
CES06 = 51	CES31 = 70	CES56 = 81	CES81 = 75
CES07 = 43	CES32 = 64	CES57 = 79	CES82 = 93
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 76	CES59 = 92	CES84 = 91
CES10 = 76	CES35 = 87	CES60 = 96	CES85 = 81
CES11 = 59	CES36 = 99	CES61 = 91	CES86 = 74
CES12 = 65	CES37 = 81	CES62 = 93	CES87 = 83
CES13 = 44	CES38 = 83	CES63 = 79	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 81	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 78	CES90 = 85
CES16 = 48	CES41 = 88	CES66 = 76	CES91 = 87
CES17 = 50	CES42 = 80	CES67 = 74	CES92 = 73
CES18 = 57	CES43 = 75	CES68 = 79	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 83	CES94 = 64
CES20 = 67	CES45 = 83	CES70 = 72	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 86
CES22 = 79	CES47 = 79	CES72 = 90	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 65	CES98 = 83
CES24 = 91	CES49 = 79	CES74 = 94	CES99 = 82
CES25 = 72	CES50 = 88	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)