

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1212023

Luminaire Tested: **GKO-PB1D-830-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212023
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-830-U-T1
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

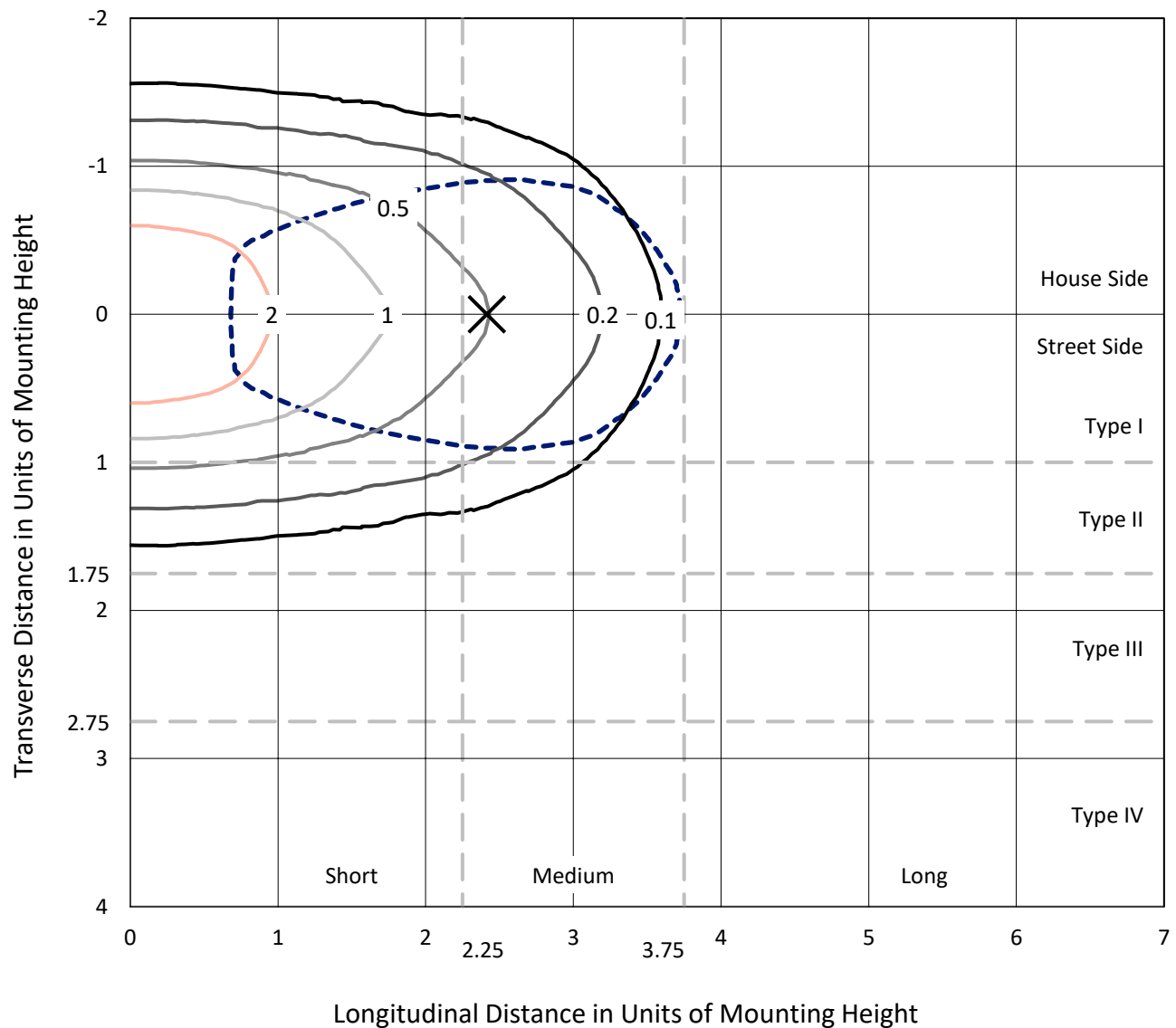
Lumens per Lamp: N/A
Luminaire Lumens: 3379.5 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

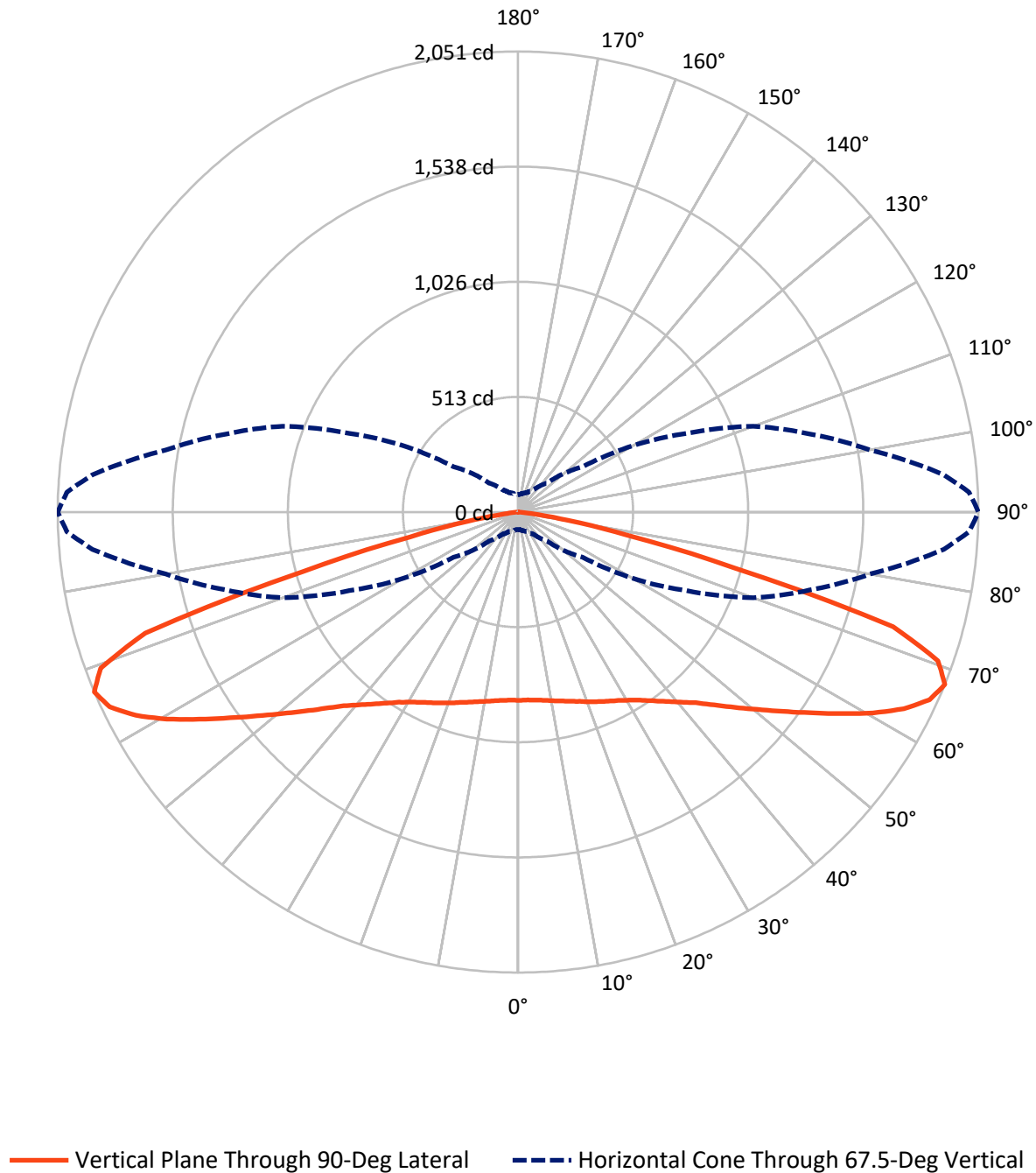
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GKO-PB1D-830-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1689.8	0.0	1689.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1689.8	0.0	1689.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3379.5	0.0	3379.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	2.4
10°-20°	242.4	7.2
20°-30°	403.0	11.9
30°-40°	535.4	15.8
40°-50°	603.6	17.9
50°-60°	620.6	18.4
60°-70°	586.5	17.4
70°-80°	287.1	8.5
80°-90°	20.5	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3379.5	100.0
0°-180°	3379.5	100.0

Coefficient of Utilization



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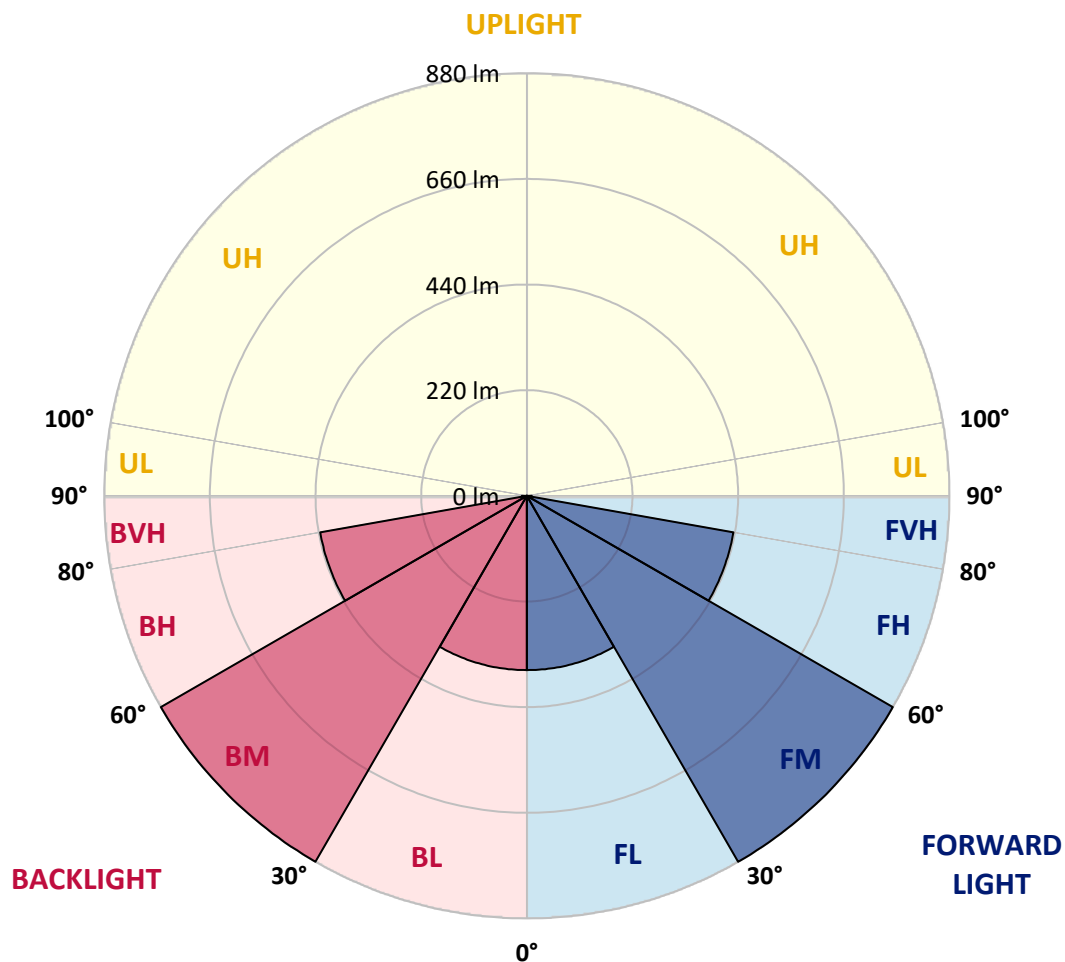
CATALOG NUMBER: GKO-PB1D-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.9	10.7			
FM	(30°-60°)	879.8	26.0			
FH	(60°-80°)	436.8	12.9			G0/660
FVH	(80°-90°)	10.3	0.3			G1/100
BL	(0°-30°)	362.9	10.7	B1/500		
BM	(30°-60°)	879.8	26.0	B1/1000		
BH	(60°-80°)	436.8	12.9	B1/500		G1/500
BVH	(80°-90°)	10.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	839.2	840.5	838.0	838.0	839.2	839.8	839.8	840.5	839.2	839.2	838.6
5°	839.2	839.8	838.6	838.6	839.8	841.7	841.1	842.3	842.3	841.7	841.7
7.5°	838.6	839.8	838.6	839.2	841.1	844.8	844.8	844.8	846.1	847.3	847.3
10°	838.0	839.2	839.8	840.5	843.0	848.6	849.8	850.4	852.3	854.2	854.2
12.5°	834.9	836.1	838.0	840.5	844.8	852.3	854.8	856.7	859.8	861.6	862.9
15°	830.5	831.1	835.5	840.5	847.3	856.7	861.6	864.8	869.1	871.6	873.5
17.5°	824.3	824.9	831.7	839.2	849.2	862.3	870.4	875.4	879.7	883.5	885.9
20°	816.2	818.0	826.1	838.0	852.3	867.9	879.7	888.4	892.8	896.5	900.3
22.5°	806.2	808.1	818.0	834.9	855.4	875.4	890.9	902.1	907.8	912.7	917.1
25°	791.2	793.7	805.6	827.4	856.7	883.5	903.4	917.7	922.7	928.9	932.7
27.5°	768.2	770.1	784.4	812.4	852.9	892.2	917.7	934.5	940.1	947.0	950.7
30°	732.1	735.8	753.2	788.1	843.6	899.0	934.5	951.4	958.2	965.1	970.1
32.5°	685.3	690.9	710.3	755.1	825.5	901.5	952.6	971.9	980.6	988.1	994.4
35°	627.4	633.0	656.0	712.7	796.9	896.5	970.7	995.6	1006.2	1016.2	1023.6
37.5°	561.3	566.3	594.4	659.2	755.7	881.0	985.0	1021.8	1036.1	1049.2	1059.1
40°	494.7	500.3	530.8	600.0	705.9	851.1	991.2	1050.4	1068.5	1085.3	1097.8
42.5°	422.4	429.3	463.5	537.0	647.9	809.9	986.3	1078.5	1100.9	1123.9	1142.6
45°	358.2	359.5	396.9	467.9	584.4	757.0	968.8	1105.2	1135.8	1168.2	1195.0
47.5°	296.6	299.1	331.5	401.9	518.4	697.2	937.0	1126.4	1175.0	1216.8	1256.0
50°	241.7	244.8	274.1	337.1	452.3	631.7	894.0	1138.9	1208.7	1265.4	1320.2
52.5°	196.9	200.6	224.9	280.4	385.7	563.2	841.1	1140.8	1239.2	1314.0	1386.9
55°	163.9	166.3	185.0	229.3	321.5	492.2	780.7	1131.4	1259.1	1357.6	1454.8
57.5°	138.3	140.8	153.9	188.8	263.5	419.3	707.1	1109.6	1269.7	1395.6	1523.3
60°	120.2	122.1	131.5	156.4	216.8	350.8	628.0	1071.0	1266.6	1419.3	1580.0
62.5°	107.2	107.8	115.9	133.3	178.8	286.0	538.9	1013.0	1241.1	1422.4	1618.6
65°	95.3	95.9	100.9	113.4	147.0	229.9	446.1	933.3	1192.5	1400.6	1624.2
67.5°	77.3	78.5	86.0	95.3	120.9	181.9	351.4	828.6	1116.5	1343.9	1592.5
70°	61.7	62.3	69.8	80.4	98.4	143.3	269.8	687.8	997.5	1251.7	1510.2
72.5°	46.1	47.4	54.2	64.8	80.4	110.9	195.0	520.2	797.5	1055.4	1315.2
75°	36.8	37.4	39.9	49.8	62.3	84.1	131.5	315.3	480.4	652.9	806.2
77.5°	31.2	31.8	31.8	38.6	46.1	56.7	69.8	125.2	203.1	289.1	383.2
80°	25.5	26.8	24.3	28.7	33.0	33.0	32.4	59.8	95.9	135.8	178.2
82.5°	18.7	19.9	18.7	19.9	19.9	18.1	16.8	22.4	30.5	41.7	45.5
85°	13.1	13.7	15.0	13.7	13.1	10.6	8.1	6.2	3.7	4.4	6.2
87.5°	8.7	10.6	12.5	11.8	10.0	8.1	5.6	3.7	1.9	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	838.6	838.6	838.6
2.5°	839.2	838.6	838.0
5°	842.3	841.7	841.1
7.5°	846.7	846.7	846.7
10°	853.5	854.8	854.8
12.5°	862.3	863.5	863.5
15°	872.9	873.5	874.7
17.5°	885.9	886.6	886.6
20°	901.5	900.9	902.1
22.5°	917.1	917.1	917.1
25°	933.3	933.3	933.3
27.5°	952.0	952.0	950.7
30°	972.5	972.5	972.5
32.5°	997.5	998.1	998.7
35°	1029.2	1030.5	1032.4
37.5°	1065.4	1068.5	1070.4
40°	1108.4	1109.6	1112.7
42.5°	1156.3	1160.1	1160.7
45°	1216.1	1222.4	1224.9
47.5°	1286.6	1295.3	1299.6
50°	1365.1	1375.0	1381.3
52.5°	1450.4	1466.6	1474.1
55°	1541.4	1569.4	1577.5
57.5°	1644.2	1682.2	1693.4
60°	1745.1	1798.7	1816.7
62.5°	1831.1	1906.5	1928.9
65°	1891.5	1982.5	2015.5
67.5°	1904.0	2011.8	2051.0
70°	1829.2	1939.5	1985.0
72.5°	1590.6	1690.3	1747.0
75°	939.5	1011.2	993.7
77.5°	471.6	492.2	495.3
80°	206.8	219.3	224.3
82.5°	51.1	52.3	59.2
85°	6.9	8.1	7.5
87.5°	2.5	2.5	3.1
90°	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP3-2511-595-4

Test Date: 11/12/2025

Luminaire Tested: GKO-PB1C-830-U-T4W

Data in this report applies to families of products including GKO-PB1C-830*

Test Information

Test Method: LM-79-2019
 Report Number: SP3-2511-595-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP3 - 3M SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/27/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-830-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3087
 CIE u' : 0.2477
 CIE v' : 0.5192
 Duv: -0.0003
 CIE x: 0.4305
 CIE y: 0.4010
 CIE z: 0.1685
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 582
 Purity: 49.5752
 Rf: 84.7
 Rg: 94.9

CRI (Ra): 82.7
 R1: 81.5
 R2: 92.1
 R3: 95.2
 R4: 80.4
 R5: 81.9
 R6: 90.5
 R7: 82.0
 R8: 58.3
 R9: 5.8
 R10: 82.0
 R11: 80.1
 R12: 71.1
 R13: 84.2
 R14: 98.1
 R15: 73.7



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP3-2511-595-4

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

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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 $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



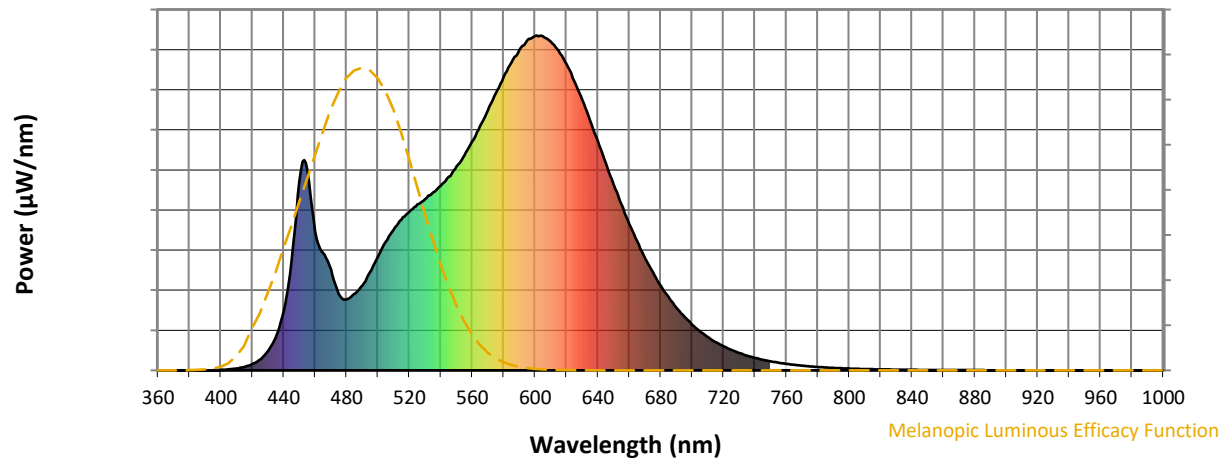
Scotopic Lumens: NR

S/P: 1.4

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	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.74

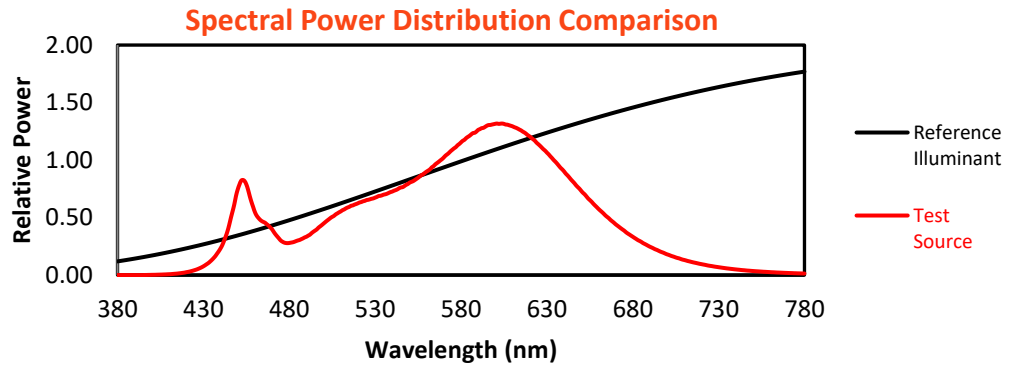
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

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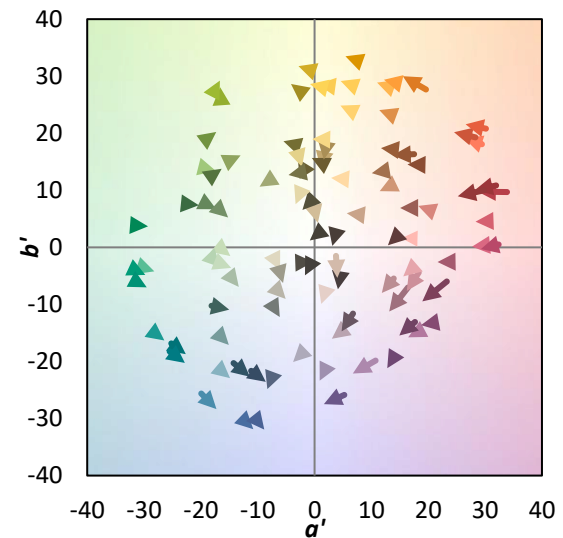
TM-30-18

Summary

$R_f = 84.7$
 $R_g = 94.9$
 $CIE R_a = 82.7$
 $R_9 = 5.8$

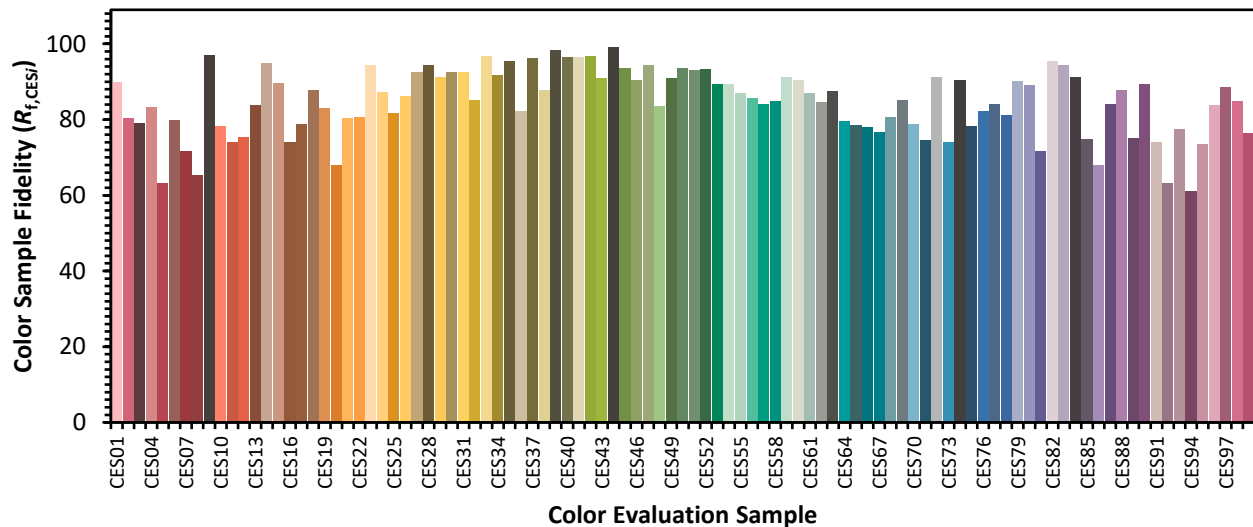


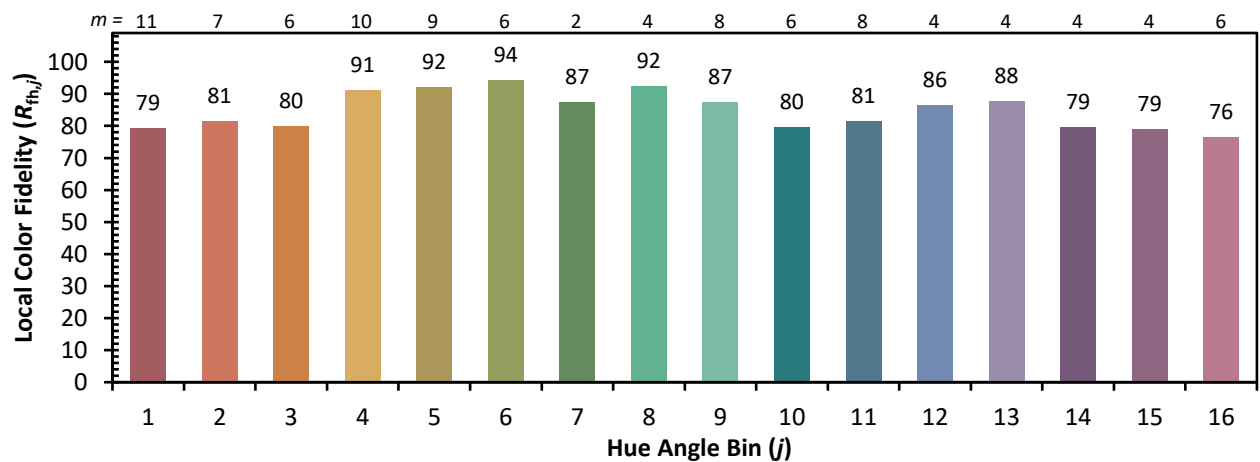
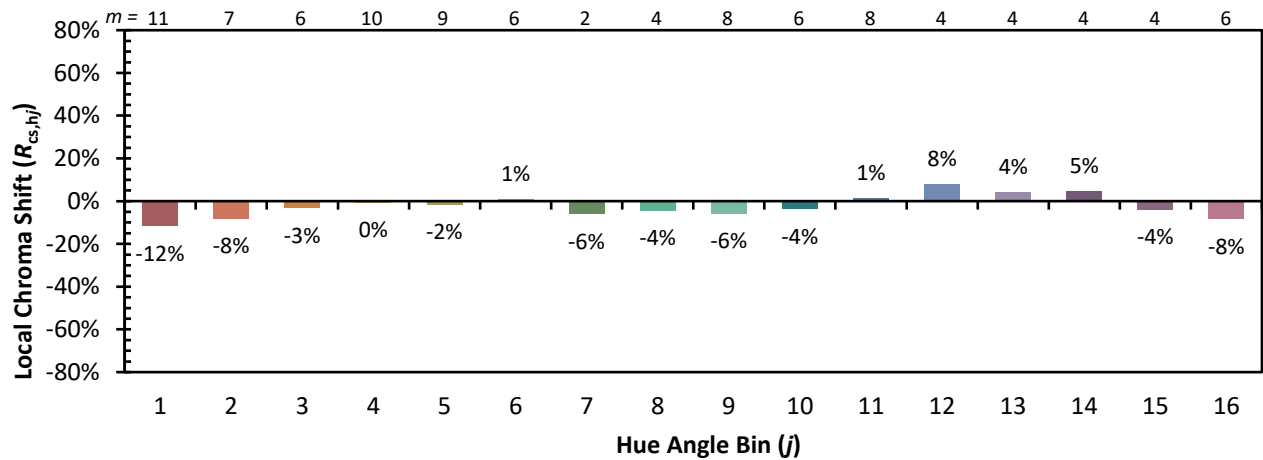
Color Vector Graphics



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

CES01 = 86	CES26 = 86	CES51 = 93	CES76 = 82
CES02 = 63	CES27 = 93	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 89	CES78 = 81
CES04 = 70	CES29 = 91	CES54 = 89	CES79 = 90
CES05 = 49	CES30 = 93	CES55 = 87	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 86	CES81 = 72
CES07 = 42	CES32 = 85	CES57 = 84	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 85	CES83 = 94
CES09 = 29	CES34 = 92	CES59 = 91	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 82	CES61 = 87	CES86 = 68
CES12 = 65	CES37 = 96	CES62 = 85	CES87 = 84
CES13 = 43	CES38 = 88	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 80	CES89 = 75
CES15 = 72	CES40 = 96	CES65 = 79	CES90 = 89
CES16 = 47	CES41 = 96	CES66 = 78	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 77	CES92 = 63
CES18 = 56	CES43 = 91	CES68 = 81	CES93 = 77
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 61
CES20 = 66	CES45 = 93	CES70 = 79	CES95 = 74
CES21 = 87	CES46 = 90	CES71 = 75	CES96 = 84
CES22 = 79	CES47 = 94	CES72 = 91	CES97 = 89
CES23 = 92	CES48 = 84	CES73 = 74	CES98 = 85
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 77
CES25 = 72	CES50 = 93	CES75 = 78	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)