

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: P1211758

Luminaire Tested: **GKO-PB1F-830-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211758
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-830-U-T1
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

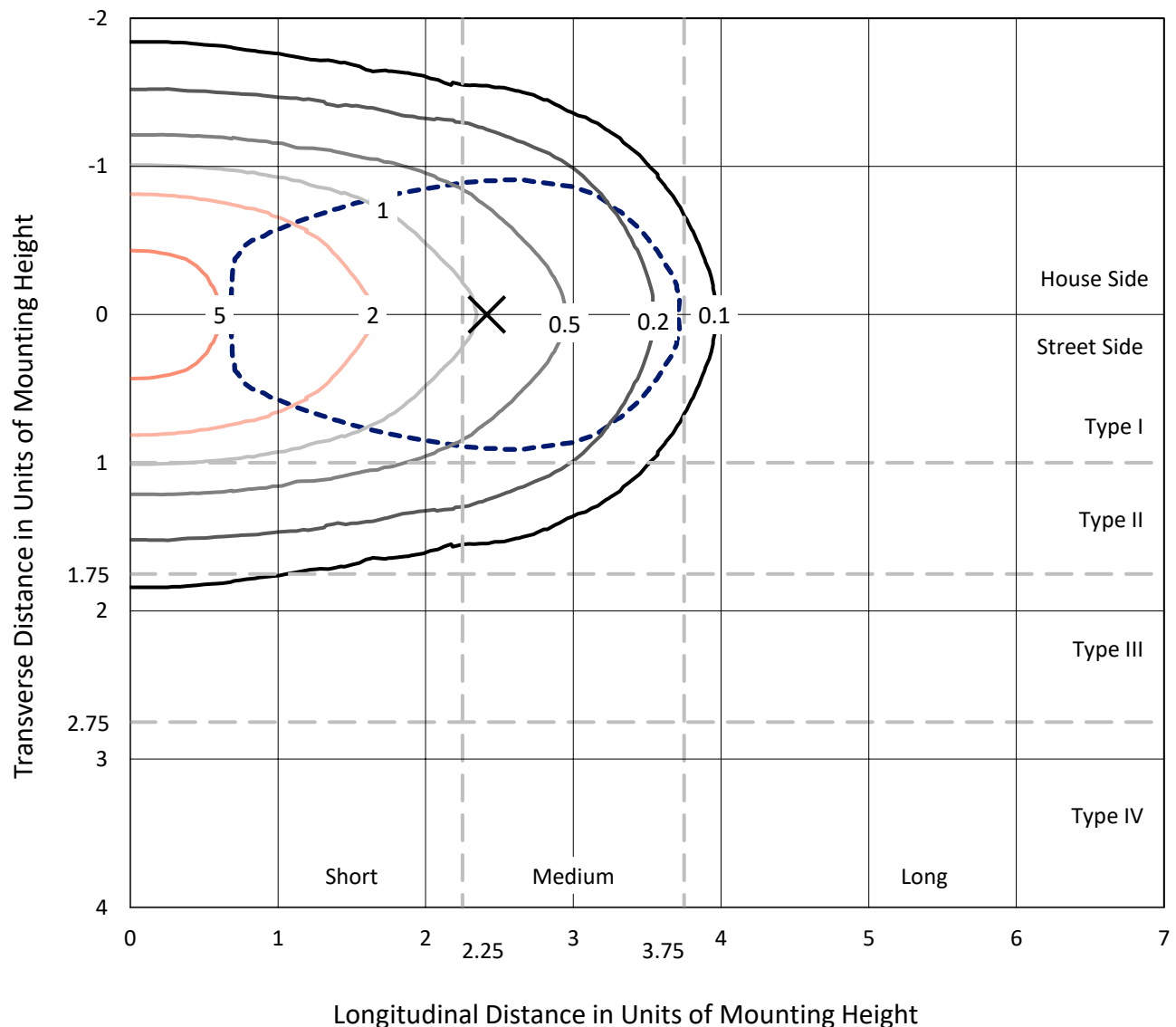
Lumens per Lamp: N/A
Luminaire Lumens: 6171.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.7%
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

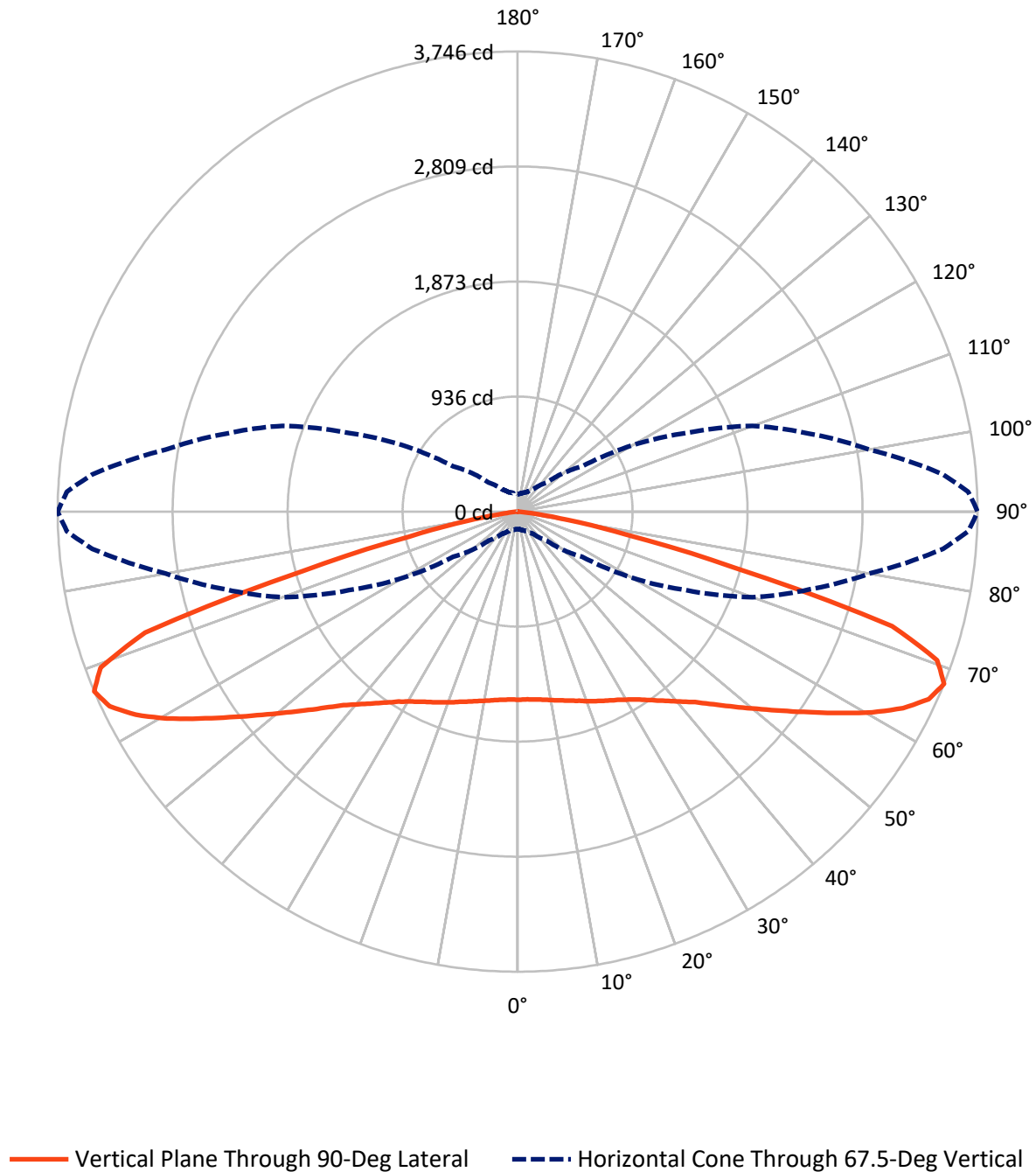
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3085.8	0.0	3085.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3085.8	0.0	3085.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6171.5	0.0	6171.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.4
10°-20°	442.6	7.2
20°-30°	735.9	11.9
30°-40°	977.7	15.8
40°-50°	1102.2	17.9
50°-60°	1133.4	18.4
60°-70°	1071.1	17.4
70°-80°	524.3	8.5
80°-90°	37.5	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°	6171.5	100.0
0°-180°	6171.5	100.0



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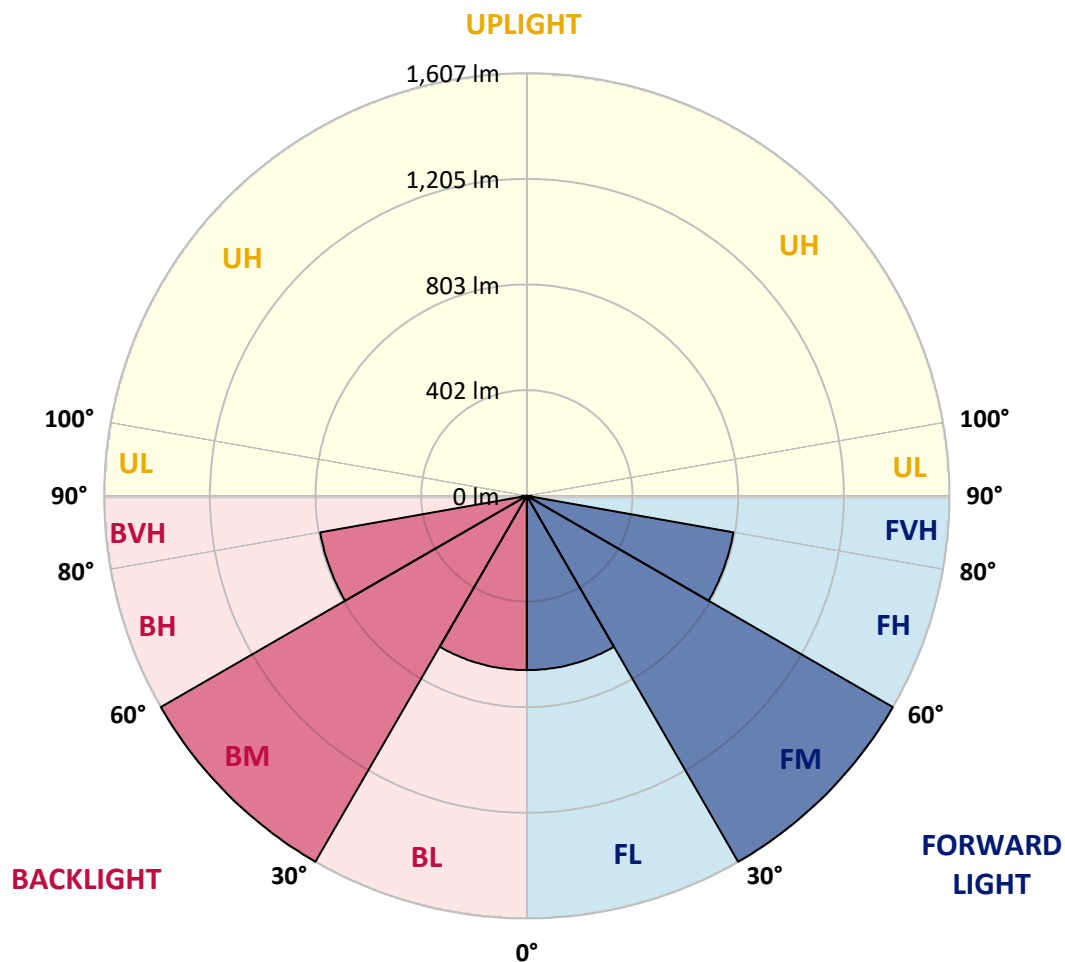
CATALOG NUMBER: GKO-PB1F-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	662.7	10.7			
FM	(30°-60°)	1606.6	26.0			
FH	(60°-80°)	797.7	12.9			G1/1800
FVH	(80°-90°)	18.7	0.3			G1/100
BL	(0°-30°)	662.7	10.7	B2/1000		
BM	(30°-60°)	1606.6	26.0	B2/2500		
BH	(60°-80°)	797.7	12.9	B2/1000		G2/1000
BVH	(80°-90°)	18.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4
2.5°	1532.5	1534.8	1530.3	1530.3	1532.5	1533.7	1533.7	1534.8	1532.5	1532.5	1531.4
5°	1532.5	1533.7	1531.4	1531.4	1533.7	1537.1	1536.0	1538.2	1538.2	1537.1	1537.1
7.5°	1531.4	1533.7	1531.4	1532.5	1536.0	1542.8	1542.8	1542.8	1545.1	1547.3	1547.3
10°	1530.3	1532.5	1533.7	1534.8	1539.4	1549.6	1551.9	1553.0	1556.4	1559.9	1559.9
12.5°	1524.6	1526.9	1530.3	1534.8	1542.8	1556.4	1561.0	1564.4	1570.1	1573.5	1575.8
15°	1516.6	1517.8	1525.7	1534.8	1547.3	1564.4	1573.5	1579.2	1587.2	1591.7	1595.1
17.5°	1505.2	1506.4	1518.9	1532.5	1550.7	1574.6	1589.4	1598.5	1606.5	1613.3	1617.9
20°	1490.4	1493.9	1508.7	1530.3	1556.4	1584.9	1606.5	1622.4	1630.4	1637.2	1644.0
22.5°	1472.2	1475.7	1493.9	1524.6	1562.1	1598.5	1627.0	1647.5	1657.7	1666.8	1674.8
25°	1444.9	1449.5	1471.1	1510.9	1564.4	1613.3	1649.7	1675.9	1685.0	1696.4	1703.2
27.5°	1402.8	1406.3	1432.4	1483.6	1557.6	1629.3	1675.9	1706.6	1716.9	1729.4	1736.2
30°	1336.9	1343.7	1375.5	1439.3	1540.5	1641.8	1706.6	1737.3	1749.9	1762.4	1771.5
32.5°	1251.5	1261.8	1297.0	1378.9	1507.5	1646.3	1739.6	1774.9	1790.8	1804.5	1815.8
35°	1145.7	1156.0	1198.0	1301.6	1455.2	1637.2	1772.6	1818.1	1837.5	1855.7	1869.3
37.5°	1025.1	1034.2	1085.4	1203.7	1380.1	1608.8	1798.8	1865.9	1892.1	1916.0	1934.2
40°	903.4	913.6	969.4	1095.7	1289.1	1554.2	1810.2	1918.2	1951.2	1982.0	2004.7
42.5°	771.4	783.9	846.5	980.7	1183.3	1479.1	1801.1	1969.4	2010.4	2052.5	2086.6
45°	654.2	656.5	724.7	854.4	1067.2	1382.4	1769.2	2018.4	2074.1	2133.3	2182.2
47.5°	541.6	546.1	605.3	733.8	946.6	1273.1	1711.2	2057.0	2145.8	2222.0	2293.7
50°	441.4	447.1	500.6	615.5	826.0	1153.7	1632.7	2079.8	2207.2	2310.8	2410.9
52.5°	359.5	366.4	410.7	512.0	704.3	1028.5	1536.0	2083.2	2263.0	2399.5	2532.6
55°	299.2	303.8	337.9	418.7	587.1	898.8	1425.6	2066.1	2299.4	2479.2	2656.6
57.5°	252.6	257.1	281.0	344.7	481.3	765.7	1291.3	2026.3	2318.7	2548.6	2781.8
60°	219.6	223.0	240.1	285.6	395.9	640.6	1146.8	1955.8	2313.0	2591.8	2885.3
62.5°	195.7	196.8	211.6	243.5	326.5	522.2	984.2	1850.0	2266.4	2597.5	2955.9
65°	174.1	175.2	184.3	207.1	268.5	419.8	814.6	1704.3	2177.6	2557.7	2966.1
67.5°	141.1	143.4	157.0	174.1	220.7	332.2	641.7	1513.2	2038.8	2454.1	2908.1
70°	112.6	113.8	127.4	146.8	179.8	261.7	492.6	1256.1	1821.5	2285.7	2757.9
72.5°	84.2	86.5	99.0	118.3	146.8	202.5	356.1	950.0	1456.3	1927.3	2401.8
75°	67.1	68.3	72.8	91.0	113.8	153.6	240.1	575.7	877.2	1192.4	1472.2
77.5°	56.9	58.0	58.0	70.5	84.2	103.5	127.4	228.7	370.9	527.9	699.7
80°	46.6	48.9	44.4	52.3	60.3	60.3	59.2	109.2	175.2	248.0	325.4
82.5°	34.1	36.4	34.1	36.4	36.4	33.0	30.7	41.0	55.7	76.2	83.1
85°	23.9	25.0	27.3	25.0	23.9	19.3	14.8	11.4	6.8	8.0	11.4
87.5°	15.9	19.3	22.8	21.6	18.2	14.8	10.2	6.8	3.4	4.6	4.6
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°	1531.4	1531.4	1531.4
2.5°	1532.5	1531.4	1530.3
5°	1538.2	1537.1	1536.0
7.5°	1546.2	1546.2	1546.2
10°	1558.7	1561.0	1561.0
12.5°	1574.6	1576.9	1576.9
15°	1594.0	1595.1	1597.4
17.5°	1617.9	1619.0	1619.0
20°	1646.3	1645.2	1647.5
22.5°	1674.8	1674.8	1674.8
25°	1704.3	1704.3	1704.3
27.5°	1738.5	1738.5	1736.2
30°	1776.0	1776.0	1776.0
32.5°	1821.5	1822.7	1823.8
35°	1879.6	1881.8	1885.2
37.5°	1945.5	1951.2	1954.6
40°	2024.1	2026.3	2032.0
42.5°	2111.7	2118.5	2119.6
45°	2220.9	2232.3	2236.8
47.5°	2349.4	2365.4	2373.3
50°	2492.8	2511.0	2522.4
52.5°	2648.7	2678.3	2691.9
55°	2814.8	2866.0	2880.8
57.5°	3002.5	3071.9	3092.4
60°	3186.8	3284.7	3317.7
62.5°	3343.8	3481.5	3522.5
65°	3454.2	3620.3	3680.6
67.5°	3477.0	3673.8	3745.5
70°	3340.4	3541.8	3624.9
72.5°	2904.7	3086.7	3190.2
75°	1715.7	1846.6	1814.7
77.5°	861.3	898.8	904.5
80°	377.7	400.5	409.6
82.5°	93.3	95.6	108.1
85°	12.5	14.8	13.7
87.5°	4.6	4.6	5.7
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
 R_f: 84.7
 R_g: 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 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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Scotopic Flux vs. Wavelength



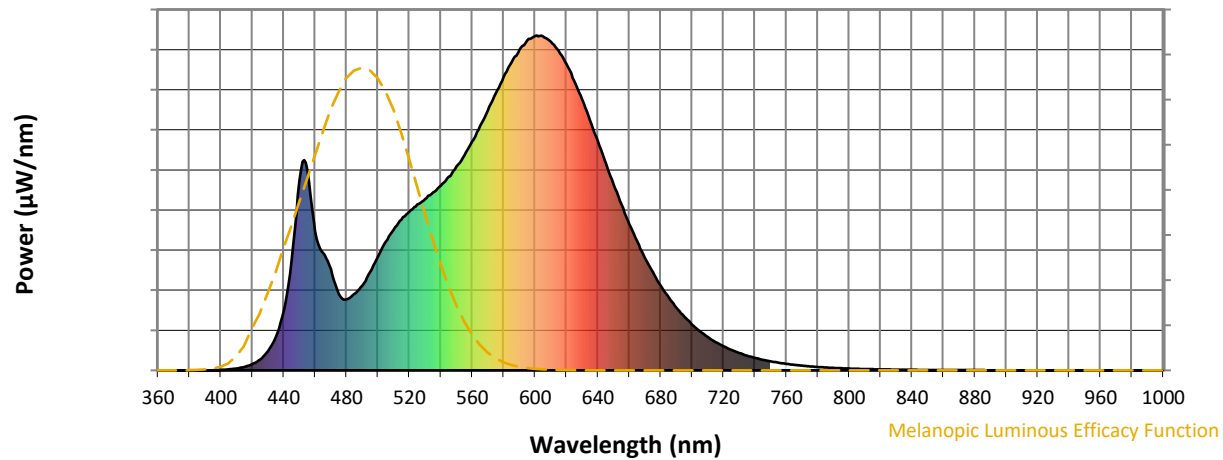
Scotopic Lumens: NR

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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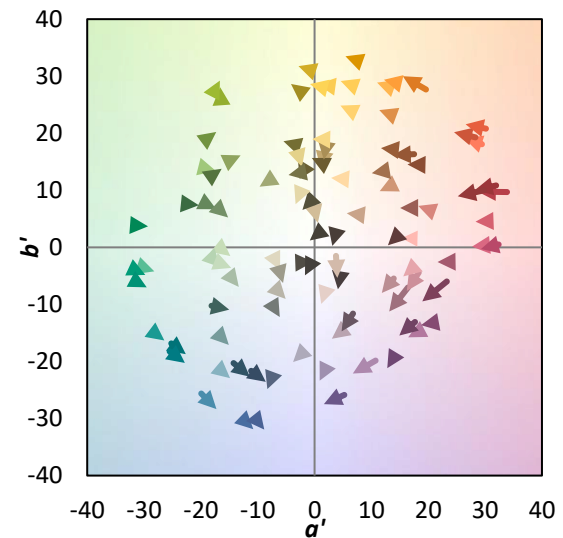
TM-30-18

Summary

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

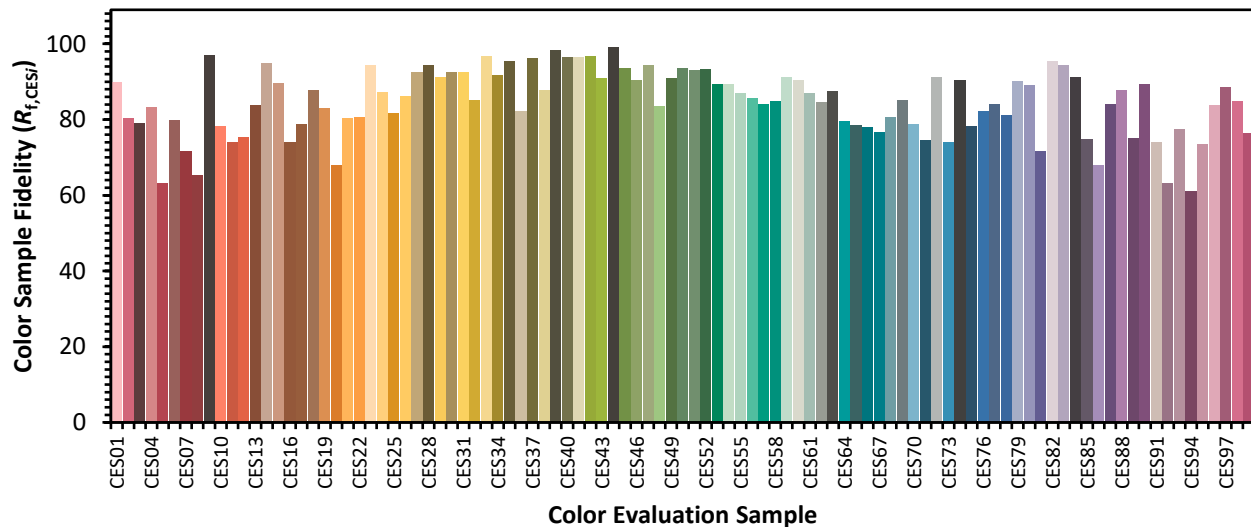


Color Vector Graphics

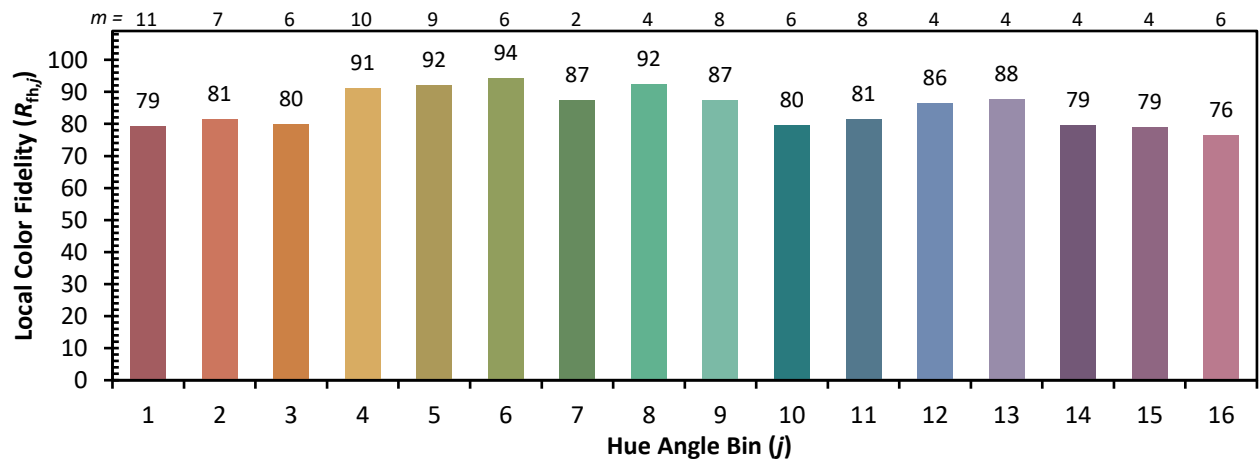
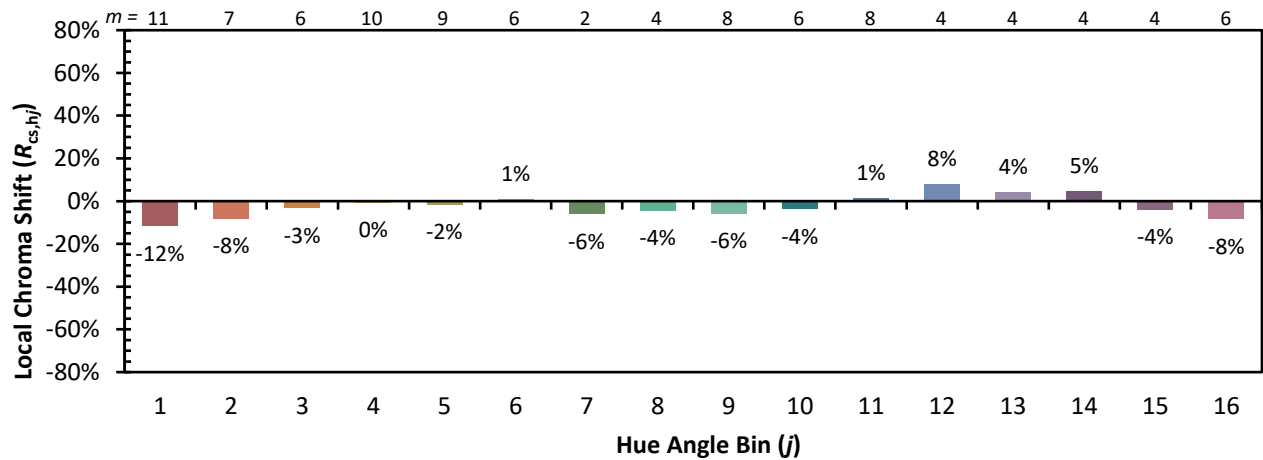


Individual Sample Fidelity Index ($R_{f,i}$)

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)