

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: P1212039

Luminaire Tested: **GKO-PB2C-835-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212039
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-835-U-T1
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

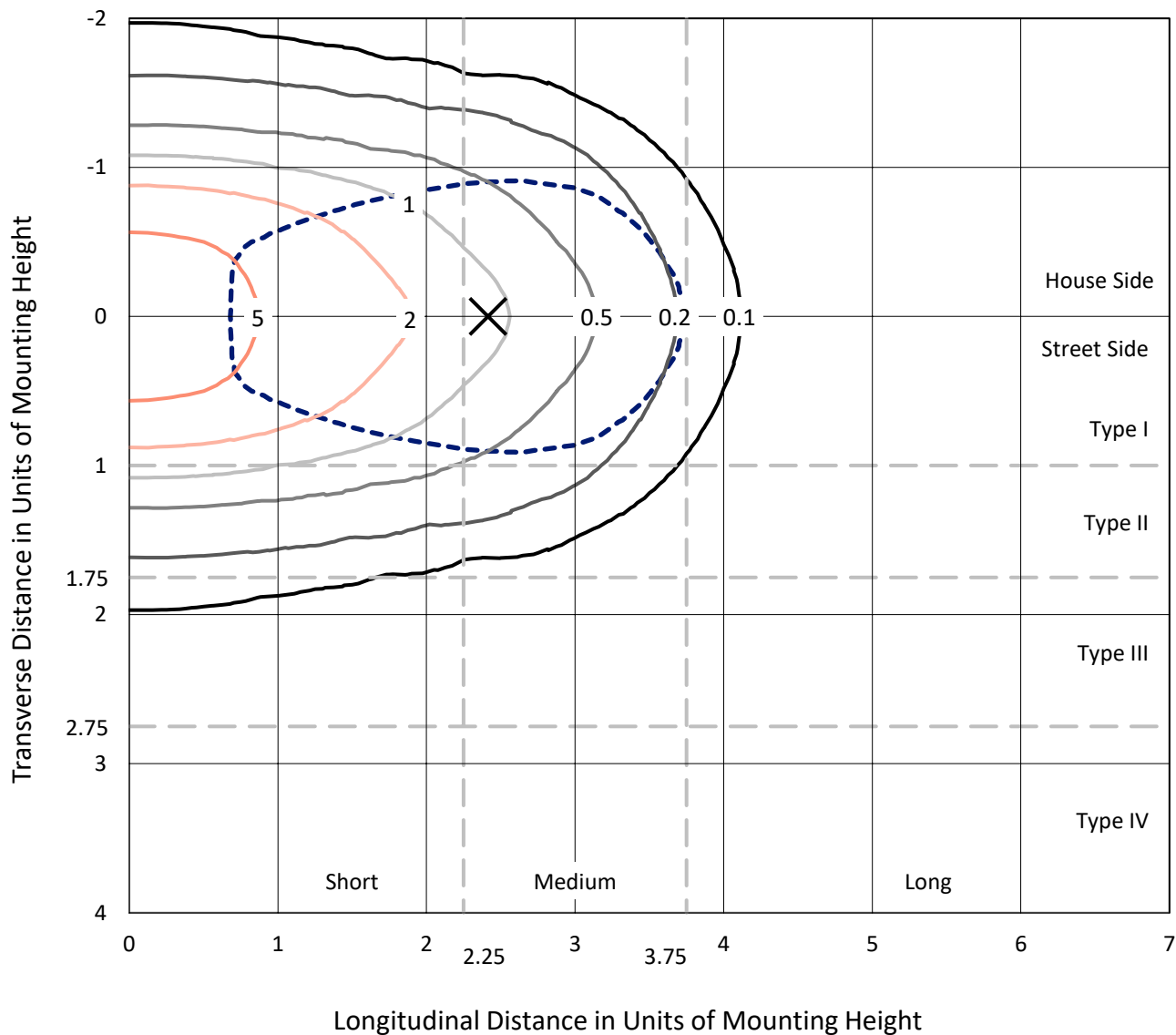
Lumens per Lamp: N/A
Luminaire Lumens: 7808.3 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 58.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 5%
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

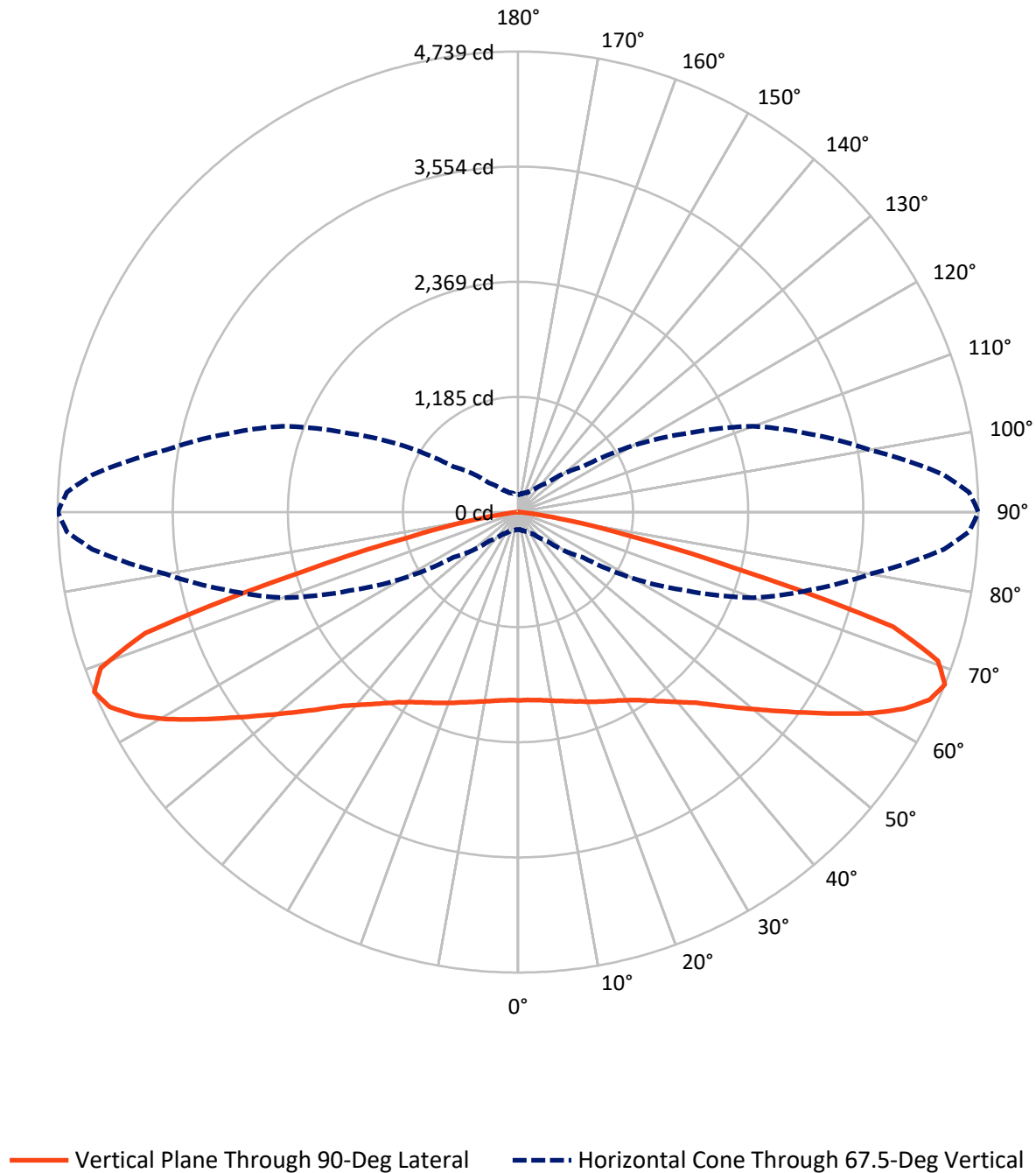
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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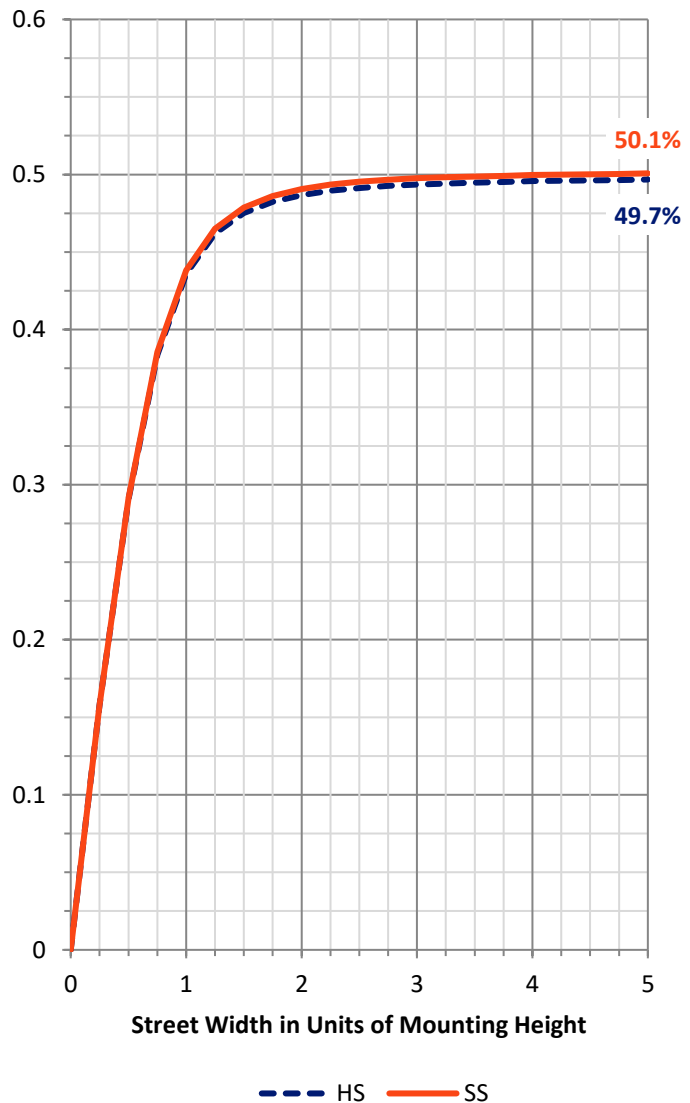
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3904.2	0.0	3904.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3904.2	0.0	3904.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7808.3	0.0	7808.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	2.4
10°-20°	560.0	7.2
20°-30°	931.1	11.9
30°-40°	1236.9	15.8
40°-50°	1394.5	17.9
50°-60°	1434.0	18.4
60°-70°	1355.1	17.4
70°-80°	663.4	8.5
80°-90°	47.5	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°	7808.3	100.0
0°-180°	7808.3	100.0



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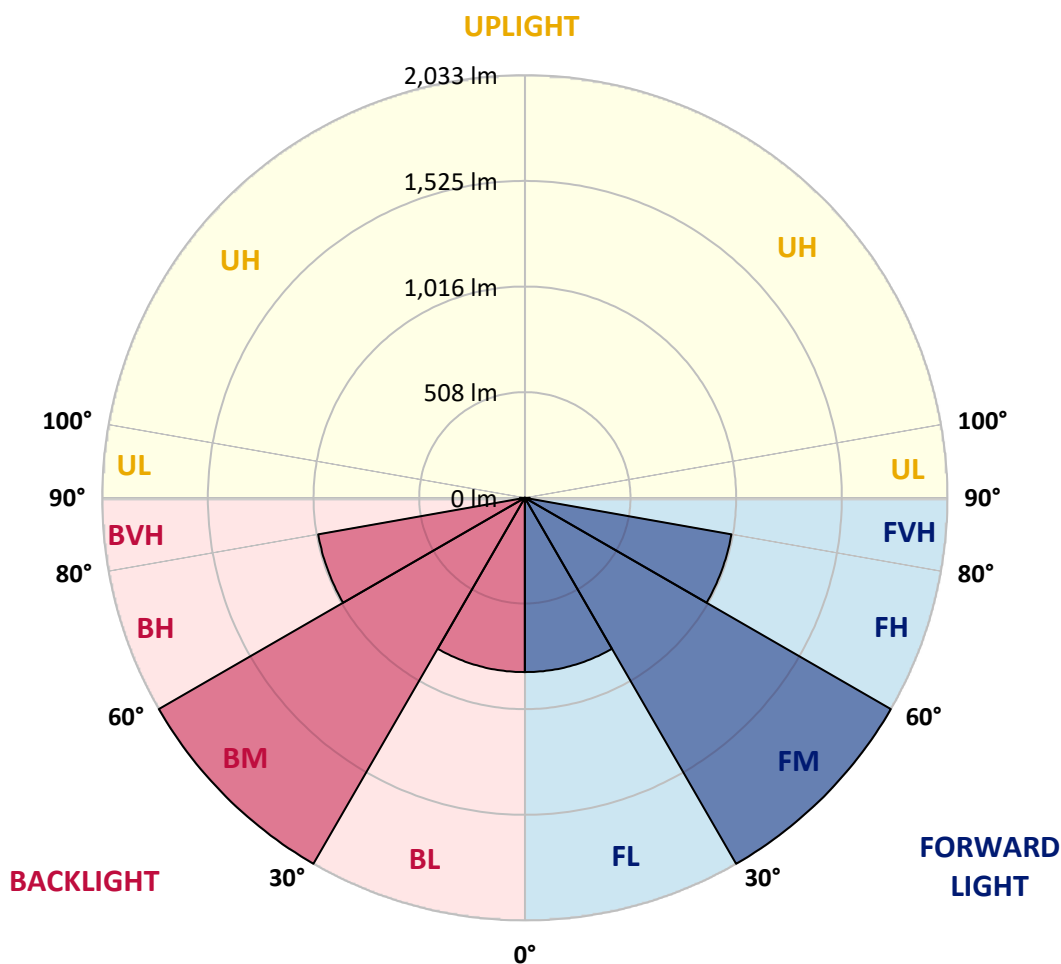
CATALOG NUMBER: GKO-PB2C-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	838.5	10.7			
FM	(30°-60°)	2032.7	26.0			
FH	(60°-80°)	1009.2	12.9			G1/1800
FVH	(80°-90°)	23.7	0.3			G1/100
BL	(0°-30°)	838.5	10.7	B2/1000		
BM	(30°-60°)	2032.7	26.0	B2/2500		
BH	(60°-80°)	1009.2	12.9	B3/2500		G3/2500
BVH	(80°-90°)	23.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6
2.5°	1939.0	1941.9	1936.1	1936.1	1939.0	1940.4	1940.4	1941.9	1939.0	1939.0	1937.6
5°	1939.0	1940.4	1937.6	1937.6	1940.4	1944.8	1943.3	1946.2	1946.2	1944.8	1944.8
7.5°	1937.6	1940.4	1937.6	1939.0	1943.3	1952.0	1952.0	1952.0	1954.8	1957.7	1957.7
10°	1936.1	1939.0	1940.4	1941.9	1947.6	1960.6	1963.5	1964.9	1969.2	1973.6	1973.6
12.5°	1928.9	1931.8	1936.1	1941.9	1952.0	1969.2	1975.0	1979.3	1986.5	1990.8	1993.7
15°	1918.9	1920.3	1930.4	1941.9	1957.7	1979.3	1990.8	1998.0	2008.1	2013.9	2018.2
17.5°	1904.5	1905.9	1921.7	1939.0	1962.0	1992.3	2011.0	2022.5	2032.6	2041.2	2047.0
20°	1885.7	1890.1	1908.8	1936.1	1969.2	2005.2	2032.6	2052.7	2062.8	2071.4	2080.1
22.5°	1862.7	1867.0	1890.1	1928.9	1976.4	2022.5	2058.5	2084.4	2097.3	2108.9	2118.9
25°	1828.2	1833.9	1861.3	1911.7	1979.3	2041.2	2087.3	2120.4	2131.9	2146.3	2154.9
27.5°	1774.9	1779.2	1812.3	1877.1	1970.7	2061.4	2120.4	2159.2	2172.2	2188.0	2196.7
30°	1691.4	1700.0	1740.4	1821.0	1949.1	2077.2	2159.2	2198.1	2213.9	2229.8	2241.3
32.5°	1583.4	1596.4	1641.0	1744.7	1907.3	2083.0	2201.0	2245.6	2265.8	2283.0	2297.4
35°	1449.6	1462.5	1515.8	1646.8	1841.1	2071.4	2242.7	2300.3	2324.8	2347.8	2365.1
37.5°	1297.0	1308.5	1373.3	1523.0	1746.1	2035.4	2275.8	2360.8	2393.9	2424.1	2447.1
40°	1143.0	1155.9	1226.5	1386.2	1631.0	1966.4	2290.2	2427.0	2468.7	2507.6	2536.4
42.5°	976.0	991.8	1071.0	1240.8	1497.1	1871.3	2278.7	2491.8	2543.6	2596.9	2640.0
45°	827.7	830.6	917.0	1081.1	1350.2	1749.0	2238.4	2553.7	2624.2	2699.1	2761.0
47.5°	685.2	691.0	765.8	928.5	1197.7	1610.8	2165.0	2602.6	2714.9	2811.3	2902.0
50°	558.5	565.7	633.4	778.8	1045.1	1459.7	2065.7	2631.4	2792.6	2923.6	3050.3
52.5°	454.9	463.5	519.7	647.8	891.0	1301.3	1943.3	2635.7	2863.2	3035.9	3204.3
55°	378.6	384.3	427.5	529.7	742.8	1137.2	1803.7	2614.1	2909.2	3136.7	3361.2
57.5°	319.6	325.3	355.6	436.2	608.9	968.8	1633.8	2563.7	2933.7	3224.5	3519.6
60°	277.8	282.1	303.7	361.3	500.9	810.4	1451.0	2474.5	2926.5	3279.2	3650.6
62.5°	247.6	249.0	267.7	308.1	413.1	660.7	1245.2	2340.6	2867.5	3286.4	3739.8
65°	220.2	221.7	233.2	262.0	339.7	531.2	1030.7	2156.4	2755.2	3236.0	3752.8
67.5°	178.5	181.4	198.7	220.2	279.3	420.3	811.9	1914.5	2579.6	3105.0	3679.4
70°	142.5	143.9	161.2	185.7	227.4	331.1	623.3	1589.2	2304.6	2892.0	3489.3
72.5°	106.5	109.4	125.2	149.7	185.7	256.2	450.6	1202.0	1842.6	2438.5	3038.8
75°	84.9	86.4	92.1	115.2	143.9	194.3	303.7	728.4	1109.9	1508.6	1862.7
77.5°	72.0	73.4	73.4	89.2	106.5	131.0	161.2	289.3	469.3	667.9	885.3
80°	59.0	61.9	56.1	66.2	76.3	76.3	74.9	138.2	221.7	313.8	411.7
82.5°	43.2	46.1	43.2	46.1	46.1	41.7	38.9	51.8	70.5	96.4	105.1
85°	30.2	31.7	34.5	31.7	30.2	24.5	18.7	14.4	8.6	10.1	14.4
87.5°	20.2	24.5	28.8	27.4	23.0	18.7	13.0	8.6	4.3	5.8	5.8
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°	1937.6	1937.6	1937.6
2.5°	1939.0	1937.6	1936.1
5°	1946.2	1944.8	1943.3
7.5°	1956.3	1956.3	1956.3
10°	1972.1	1975.0	1975.0
12.5°	1992.3	1995.1	1995.1
15°	2016.7	2018.2	2021.1
17.5°	2047.0	2048.4	2048.4
20°	2083.0	2081.5	2084.4
22.5°	2118.9	2118.9	2118.9
25°	2156.4	2156.4	2156.4
27.5°	2199.6	2199.6	2196.7
30°	2247.1	2247.1	2247.1
32.5°	2304.6	2306.1	2307.5
35°	2378.1	2380.9	2385.2
37.5°	2461.5	2468.7	2473.1
40°	2560.9	2563.7	2570.9
42.5°	2671.7	2680.3	2681.8
45°	2809.9	2824.3	2830.1
47.5°	2972.6	2992.7	3002.8
50°	3153.9	3177.0	3191.4
52.5°	3351.2	3388.6	3405.9
55°	3561.3	3626.1	3644.8
57.5°	3798.8	3886.6	3912.6
60°	4032.0	4155.8	4197.6
62.5°	4230.7	4404.9	4456.7
65°	4370.3	4580.5	4656.8
67.5°	4399.1	4648.1	4738.8
70°	4226.4	4481.2	4586.2
72.5°	3675.0	3905.4	4036.4
75°	2170.8	2336.3	2296.0
77.5°	1089.7	1137.2	1144.4
80°	477.9	506.7	518.2
82.5°	118.0	120.9	136.8
85°	15.8	18.7	17.3
87.5°	5.8	5.8	7.2
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: SP1-2511-595-3

Test Date: 01/09/2026

Luminaire Tested: GKO-PB1C-835-U-T4W

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-595-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/09/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-835-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3422
 CIE u' : 0.2372
 CIE v' : 0.5144
 Duv: 0.0012
 CIE x: 0.4111
 CIE y: 0.3962
 CIE z: 0.1928
 Peak Wavelength (nm): 598
 Dominant Wavelength (nm): 580
 Purity: 42.28884
 R_f: 83.9
 R_g: 95.8

CRI (Ra): 81.5
 R1: 79.2
 R2: 88.7
 R3: 96.3
 R4: 80.3
 R5: 79.7
 R6: 85.6
 R7: 83.5
 R8: 58.4
 R9: -1.4
 R10: 74.4
 R11: 79.7
 R12: 66.0
 R13: 81.3
 R14: 98.3
 R15: 71.2



Test Conditions

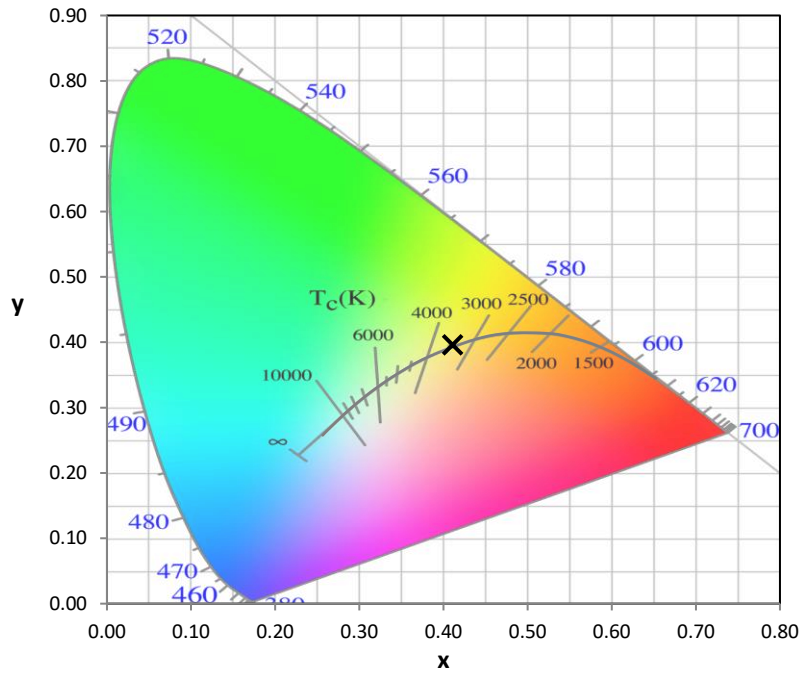
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.1

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Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	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 3500K 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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.48

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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.92

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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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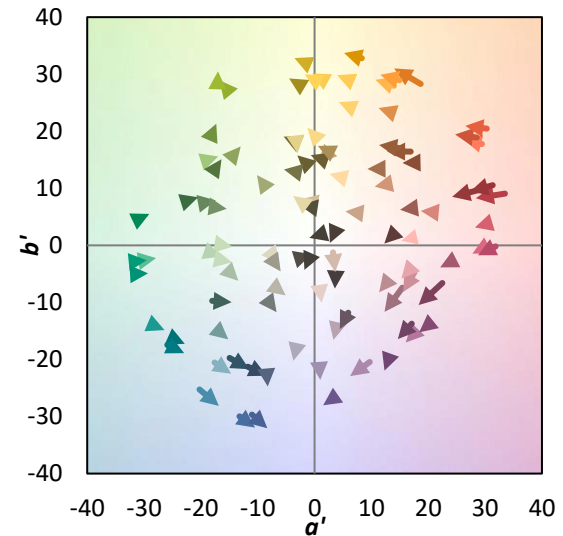
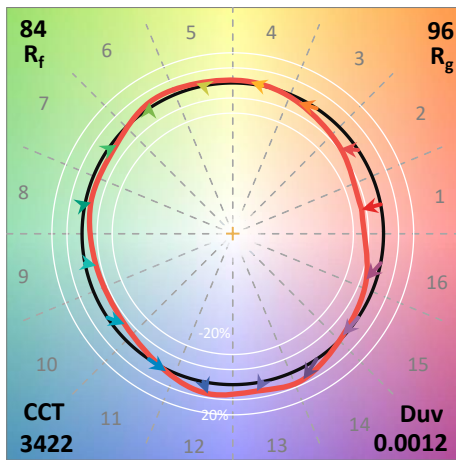
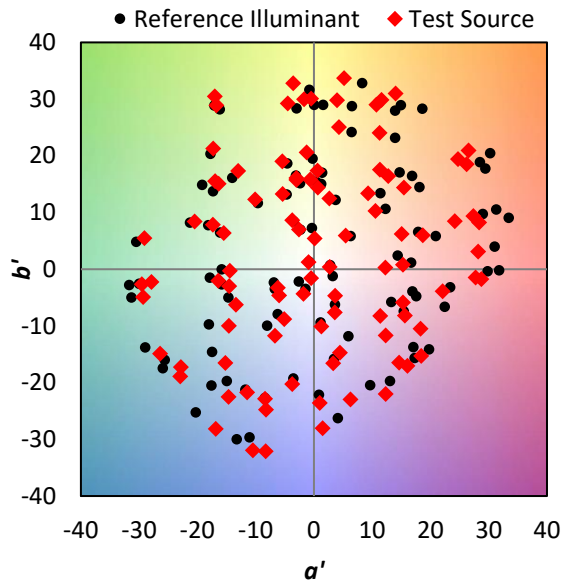
TM-30-18

Summary

$R_f = 83.9$
 $R_g = 95.8$
 $CIE R_a = 81.5$
 $R_g = -1.4$



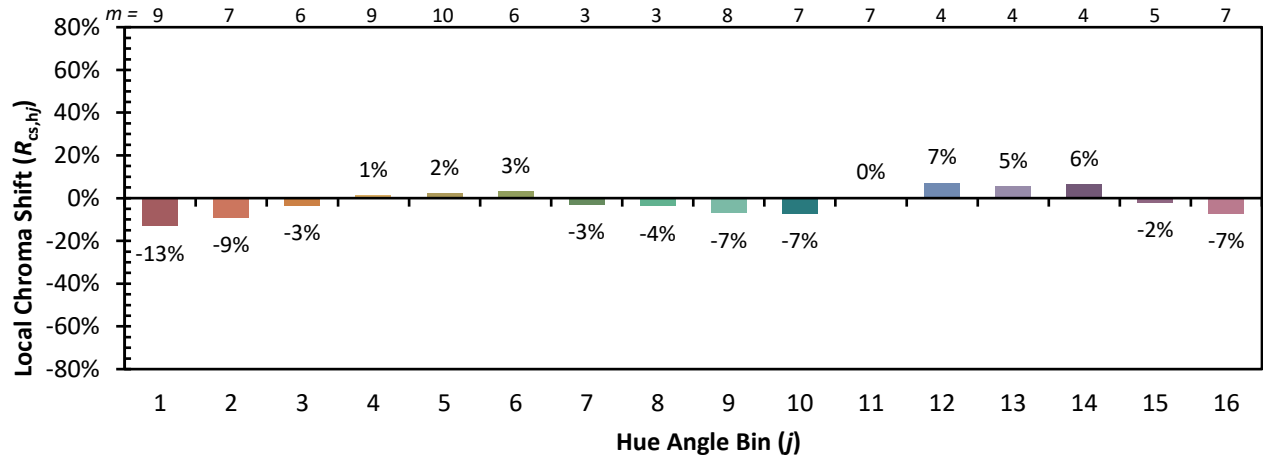
Color Vector Graphics

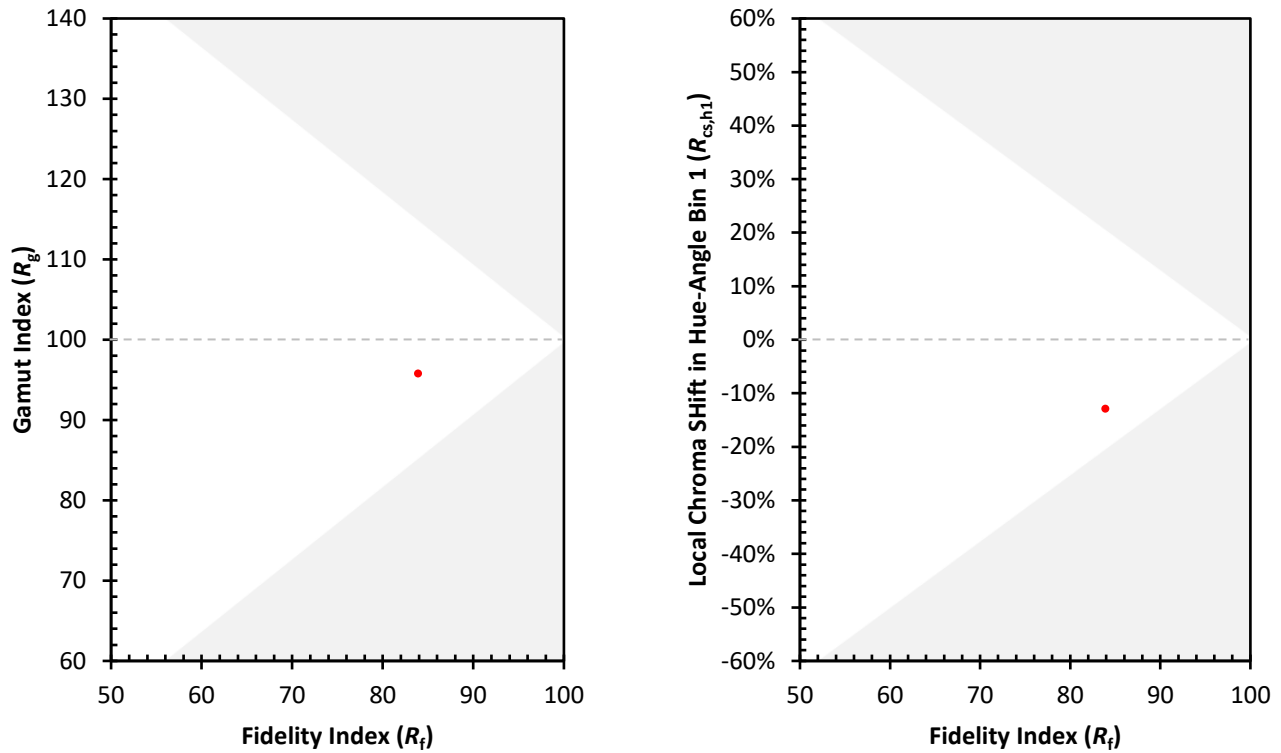


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 81	CES51 = 95	CES76 = 76
CES02 = 62	CES27 = 94	CES52 = 94	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 89	CES78 = 75
CES04 = 70	CES29 = 84	CES54 = 91	CES79 = 91
CES05 = 49	CES30 = 94	CES55 = 90	CES80 = 89
CES06 = 51	CES31 = 86	CES56 = 85	CES81 = 76
CES07 = 41	CES32 = 80	CES57 = 85	CES82 = 95
CES08 = 40	CES33 = 90	CES58 = 86	CES83 = 95
CES09 = 29	CES34 = 87	CES59 = 91	CES84 = 91
CES10 = 75	CES35 = 93	CES60 = 92	CES85 = 78
CES11 = 58	CES36 = 87	CES61 = 88	CES86 = 70
CES12 = 64	CES37 = 93	CES62 = 91	CES87 = 83
CES13 = 43	CES38 = 98	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 81	CES89 = 75
CES15 = 71	CES40 = 94	CES65 = 77	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 78	CES91 = 77
CES17 = 50	CES42 = 94	CES67 = 77	CES92 = 63
CES18 = 56	CES43 = 89	CES68 = 80	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 60
CES20 = 66	CES45 = 93	CES70 = 76	CES95 = 73
CES21 = 86	CES46 = 89	CES71 = 73	CES96 = 83
CES22 = 78	CES47 = 93	CES72 = 90	CES97 = 90
CES23 = 92	CES48 = 84	CES73 = 70	CES98 = 84
CES24 = 91	CES49 = 89	CES74 = 94	CES99 = 74
CES25 = 72	CES50 = 94	CES75 = 75	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)