

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: P1212041

Luminaire Tested: **GKO-PB2A-835-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212041
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-835-U-T1
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

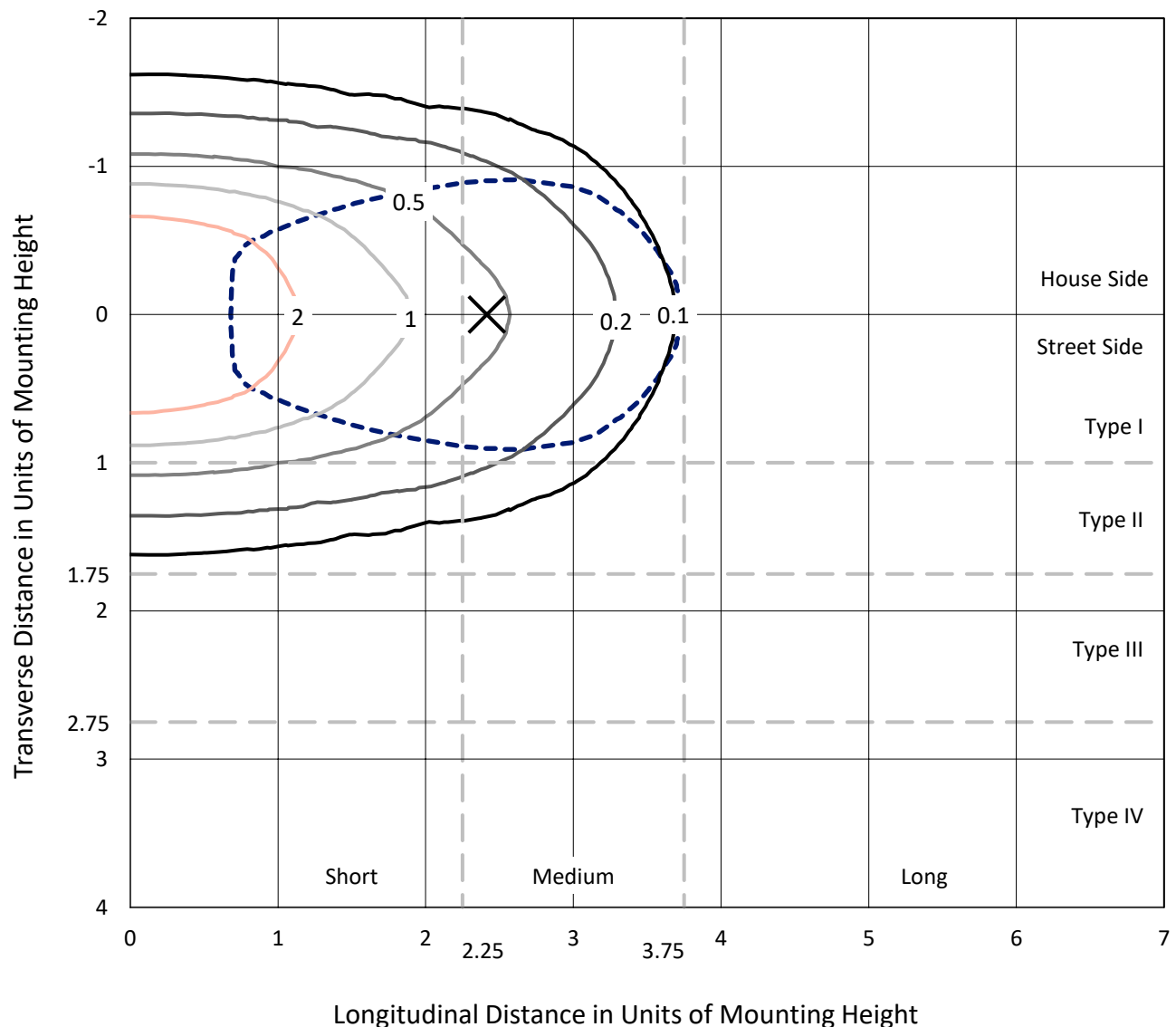
Lumens per Lamp: N/A
Luminaire Lumens: 3944.5 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 12%
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

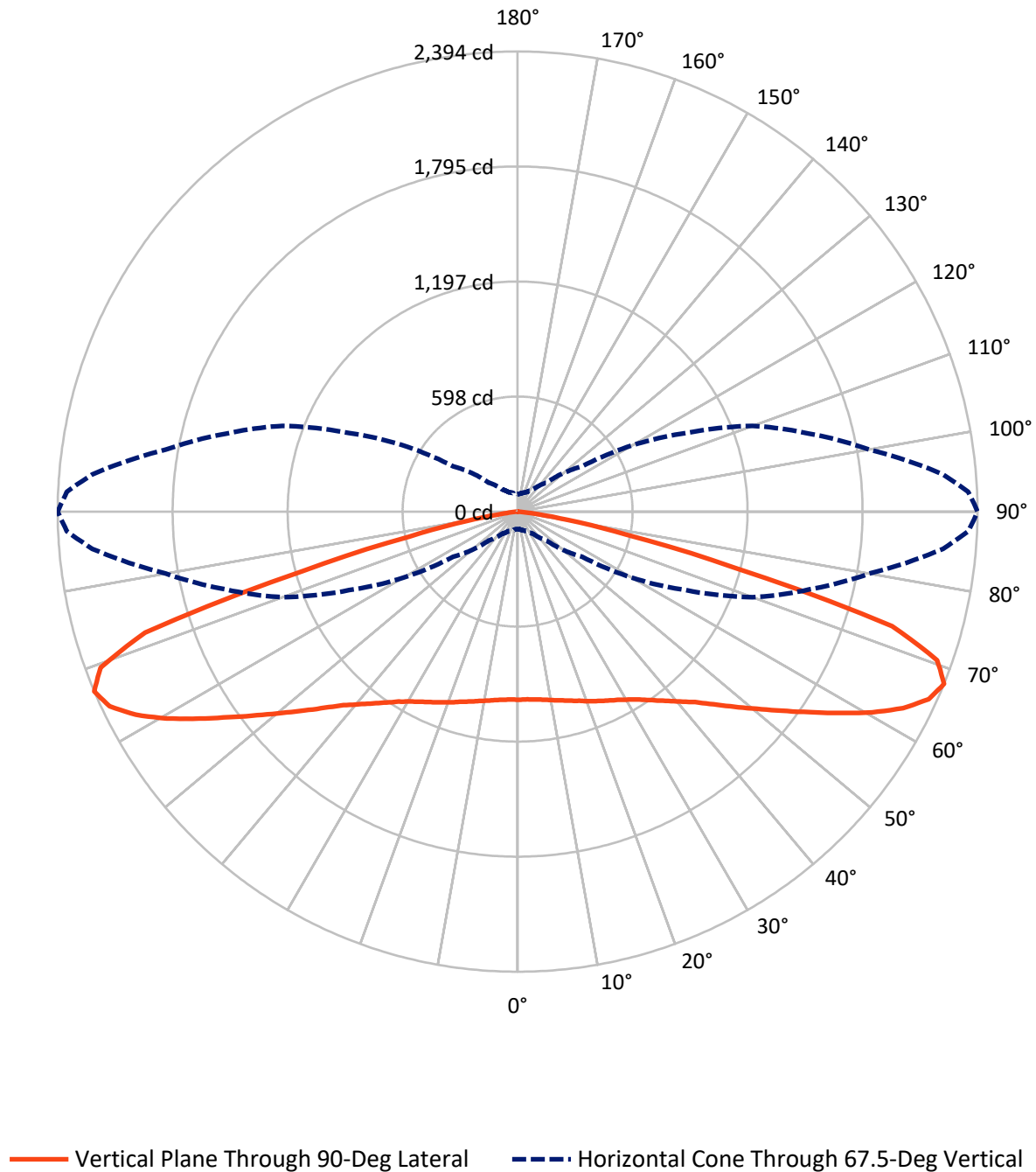
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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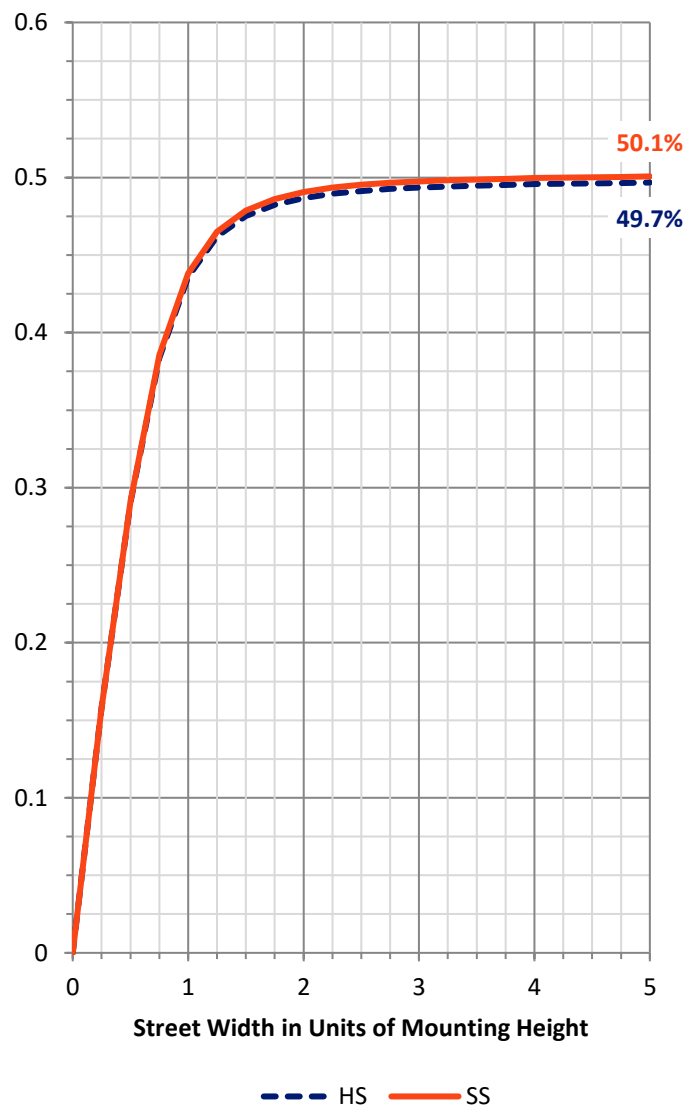
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1972.3	0.0	1972.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1972.3	0.0	1972.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3944.5	0.0	3944.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	2.4
10°-20°	282.9	7.2
20°-30°	470.4	11.9
30°-40°	624.9	15.8
40°-50°	704.5	17.9
50°-60°	724.4	18.4
60°-70°	684.6	17.4
70°-80°	335.1	8.5
80°-90°	24.0	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°	3944.5	100.0
0°-180°	3944.5	100.0

Coefficient of Utilization



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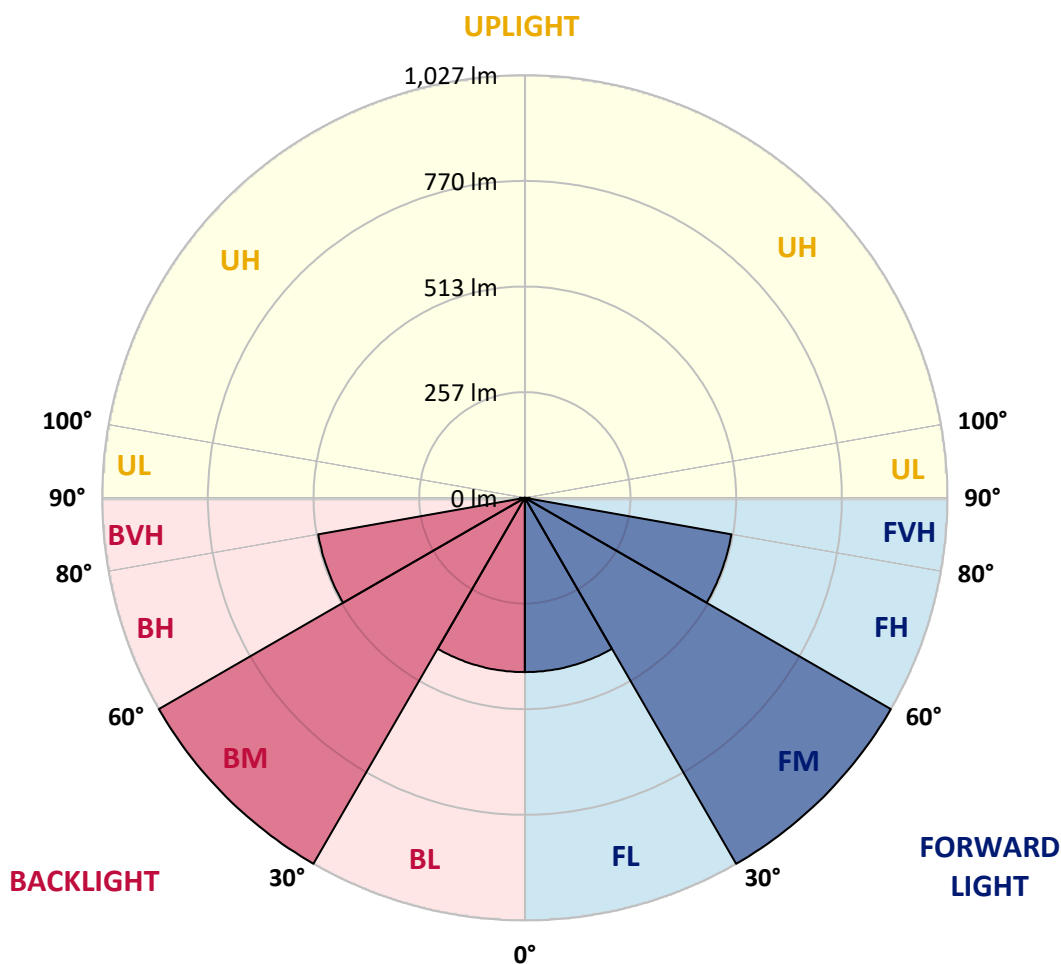
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	423.6	10.7			
FM	(30°-60°)	1026.9	26.0			
FH	(60°-80°)	509.8	12.9			G0/660
FVH	(80°-90°)	12.0	0.3			G1/100
BL	(0°-30°)	423.6	10.7	B1/500		
BM	(30°-60°)	1026.9	26.0	B2/2500		
BH	(60°-80°)	509.8	12.9	B2/1000		G2/1000
BVH	(80°-90°)	12.0	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°	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8
2.5°	979.5	981.0	978.1	978.1	979.5	980.2	980.2	981.0	979.5	979.5	978.8
5°	979.5	980.2	978.8	978.8	980.2	982.4	981.7	983.2	983.2	982.4	982.4
7.5°	978.8	980.2	978.8	979.5	981.7	986.1	986.1	986.1	987.5	989.0	989.0
10°	978.1	979.5	980.2	981.0	983.9	990.4	991.9	992.6	994.8	997.0	997.0
12.5°	974.4	975.9	978.1	981.0	986.1	994.8	997.7	999.9	1003.5	1005.7	1007.2
15°	969.3	970.1	975.2	981.0	989.0	999.9	1005.7	1009.3	1014.4	1017.3	1019.5
17.5°	962.1	962.8	970.8	979.5	991.2	1006.4	1015.9	1021.7	1026.8	1031.1	1034.1
20°	952.6	954.8	964.2	978.1	994.8	1013.0	1026.8	1037.0	1042.1	1046.4	1050.8
22.5°	941.0	943.2	954.8	974.4	998.4	1021.7	1039.9	1053.0	1059.5	1065.3	1070.4
25°	923.5	926.4	940.3	965.7	999.9	1031.1	1054.4	1071.1	1077.0	1084.2	1088.6
27.5°	896.6	898.8	915.5	948.2	995.5	1041.3	1071.1	1090.8	1097.3	1105.3	1109.7
30°	854.4	858.8	879.2	919.9	984.6	1049.3	1090.8	1110.4	1118.4	1126.4	1132.2
32.5°	799.9	806.4	829.0	881.3	963.5	1052.2	1111.9	1134.4	1144.6	1153.3	1160.6
35°	732.3	738.8	765.7	831.9	930.1	1046.4	1133.0	1162.0	1174.4	1186.0	1194.8
37.5°	655.2	661.0	693.7	769.4	882.1	1028.2	1149.7	1192.6	1209.3	1224.6	1236.2
40°	577.4	583.9	619.6	700.3	823.9	993.3	1157.0	1226.0	1247.1	1266.8	1281.3
42.5°	493.0	501.0	541.0	626.8	756.3	945.3	1151.1	1258.8	1284.9	1311.8	1333.7
45°	418.1	419.6	463.2	546.1	682.1	883.5	1130.8	1290.0	1325.7	1363.5	1394.7
47.5°	346.1	349.0	386.9	469.0	605.0	813.7	1093.7	1314.8	1371.5	1420.2	1466.0
50°	282.1	285.8	320.0	393.4	527.9	737.4	1043.5	1329.3	1410.7	1476.9	1540.9
52.5°	229.8	234.2	262.5	327.2	450.1	657.4	981.7	1331.5	1446.4	1533.6	1618.7
55°	191.2	194.2	216.0	267.6	375.2	574.5	911.2	1320.6	1469.6	1584.5	1698.0
57.5°	161.4	164.3	179.6	220.3	307.6	489.4	825.4	1295.1	1482.0	1628.9	1778.0
60°	140.3	142.5	153.4	182.5	253.1	409.4	733.0	1250.0	1478.4	1656.5	1844.1
62.5°	125.1	125.8	135.3	155.6	208.7	333.8	629.0	1182.4	1448.6	1660.2	1889.2
65°	111.3	112.0	117.8	132.3	171.6	268.3	520.7	1089.3	1391.8	1634.7	1895.8
67.5°	90.2	91.6	100.4	111.3	141.1	212.3	410.1	967.2	1303.1	1568.5	1858.7
70°	72.0	72.7	81.4	93.8	114.9	167.3	314.9	802.8	1164.2	1460.9	1762.7
72.5°	53.8	55.3	63.3	75.6	93.8	129.4	227.6	607.2	930.8	1231.9	1535.1
75°	42.9	43.6	46.5	58.2	72.7	98.2	153.4	368.0	560.7	762.1	941.0
77.5°	36.4	37.1	37.1	45.1	53.8	66.2	81.4	146.2	237.1	337.4	447.2
80°	29.8	31.3	28.4	33.5	38.5	38.5	37.8	69.8	112.0	158.5	208.0
82.5°	21.8	23.3	21.8	23.3	23.3	21.1	19.6	26.2	35.6	48.7	53.1
85°	15.3	16.0	17.5	16.0	15.3	12.4	9.5	7.3	4.4	5.1	7.3
87.5°	10.2	12.4	14.5	13.8	11.6	9.5	6.5	4.4	2.2	2.9	2.9
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°	978.8	978.8	978.8
2.5°	979.5	978.8	978.1
5°	983.2	982.4	981.7
7.5°	988.2	988.2	988.2
10°	996.2	997.7	997.7
12.5°	1006.4	1007.9	1007.9
15°	1018.8	1019.5	1021.0
17.5°	1034.1	1034.8	1034.8
20°	1052.2	1051.5	1053.0
22.5°	1070.4	1070.4	1070.4
25°	1089.3	1089.3	1089.3
27.5°	1111.1	1111.1	1109.7
30°	1135.1	1135.1	1135.1
32.5°	1164.2	1165.0	1165.7
35°	1201.3	1202.8	1204.9
37.5°	1243.5	1247.1	1249.3
40°	1293.7	1295.1	1298.8
42.5°	1349.7	1354.0	1354.7
45°	1419.5	1426.7	1429.6
47.5°	1501.6	1511.8	1516.9
50°	1593.3	1604.9	1612.2
52.5°	1692.9	1711.8	1720.5
55°	1799.1	1831.8	1841.2
57.5°	1919.0	1963.4	1976.5
60°	2036.8	2099.4	2120.5
62.5°	2137.2	2225.2	2251.4
65°	2207.7	2313.9	2352.4
67.5°	2222.3	2348.1	2393.9
70°	2135.0	2263.7	2316.8
72.5°	1856.5	1972.9	2039.0
75°	1096.6	1180.2	1159.9
77.5°	550.5	574.5	578.1
80°	241.4	256.0	261.8
82.5°	59.6	61.1	69.1
85°	8.0	9.5	8.7
87.5°	2.9	2.9	3.6
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

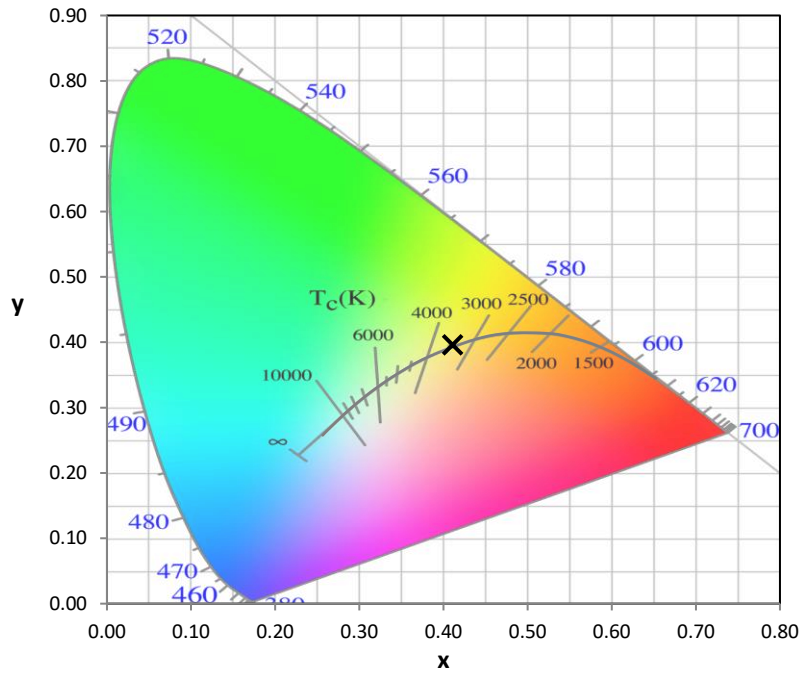
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.1

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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 ^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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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 $\text{W}^\wedge/\text{nm}$	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	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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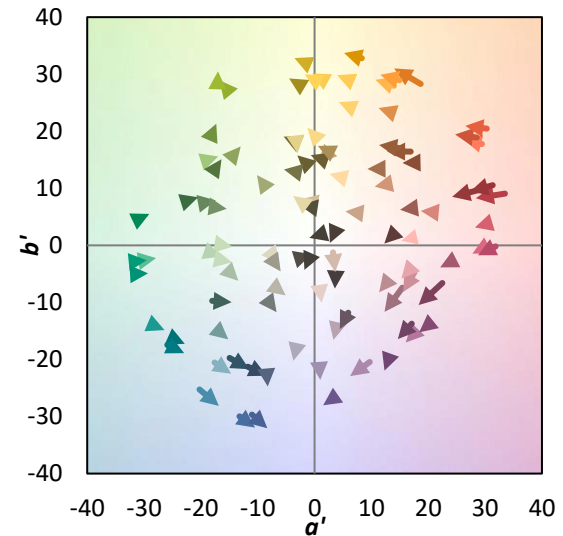
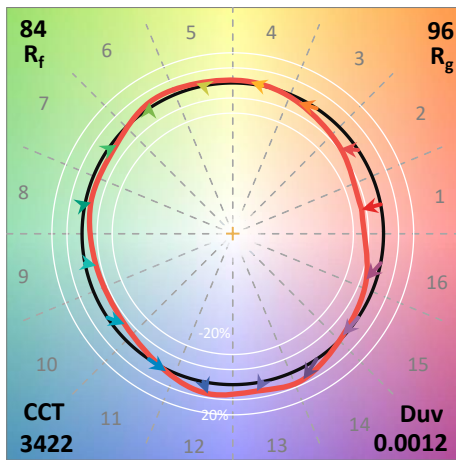
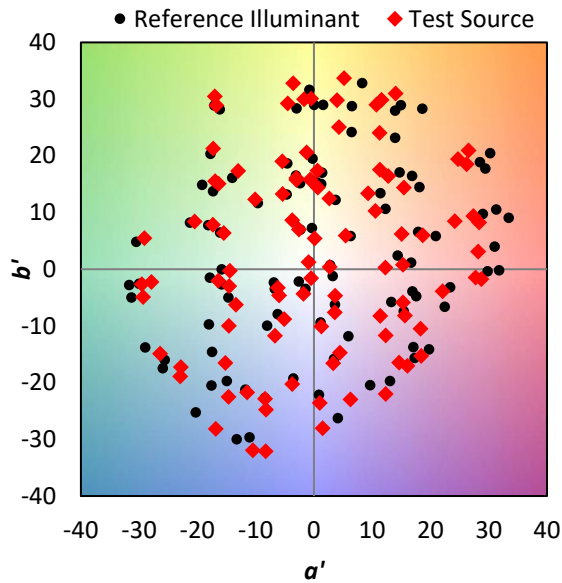
TM-30-18

Summary

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



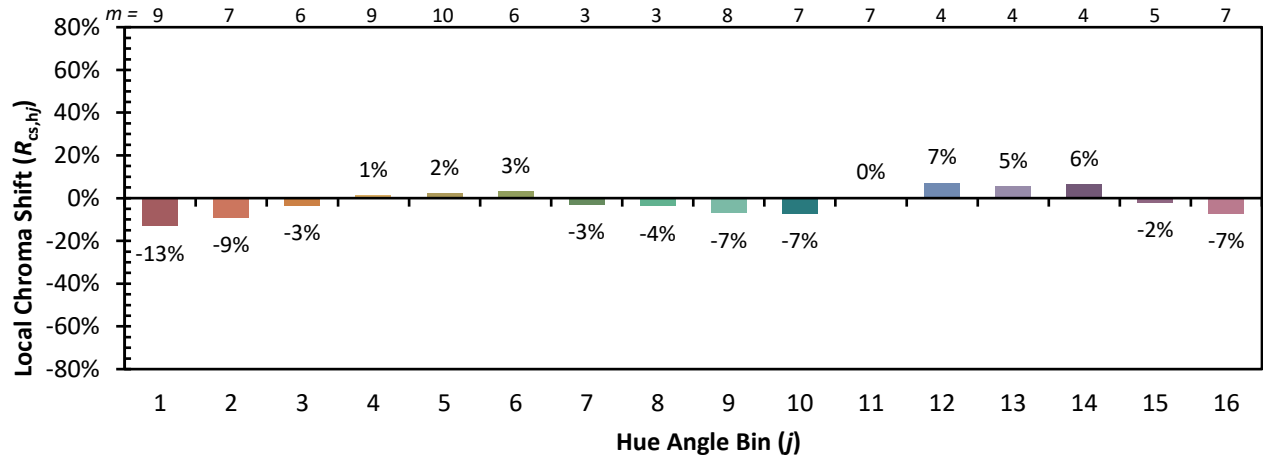
Color Vector Graphics

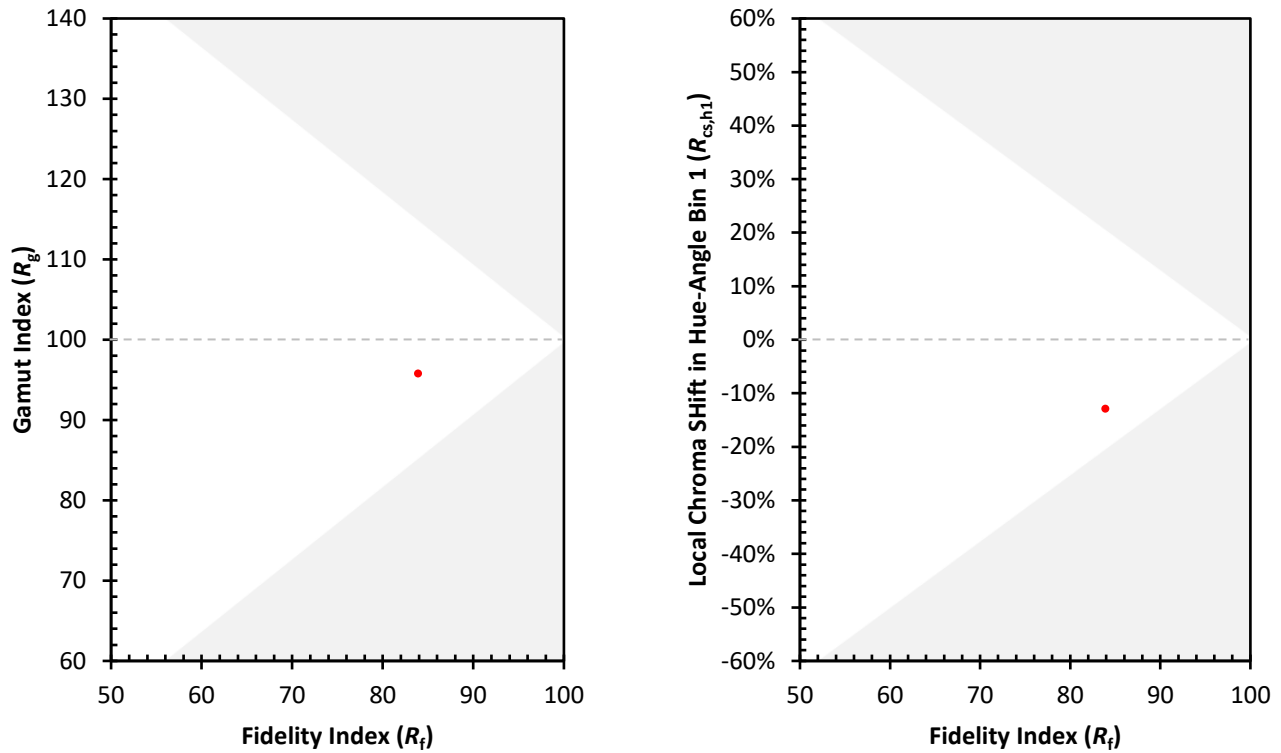


Individual Sample Fidelity Index ($R_{f,i}$)

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)