

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: P1212043

Luminaire Tested: **GKO-PB1D-840-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212043
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-840-U-T1
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

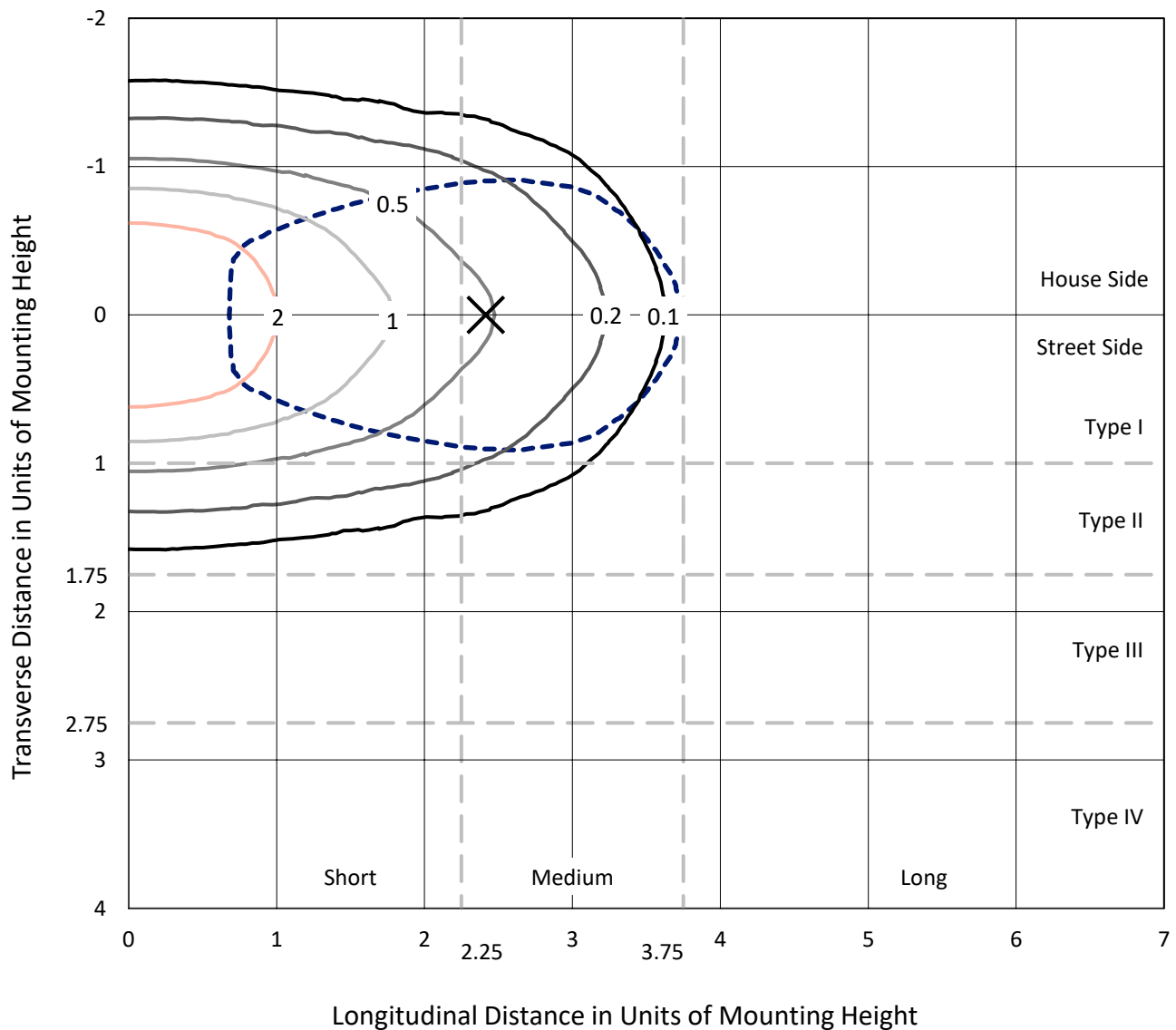
Lumens per Lamp: N/A
Luminaire Lumens: 3544.5 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): 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

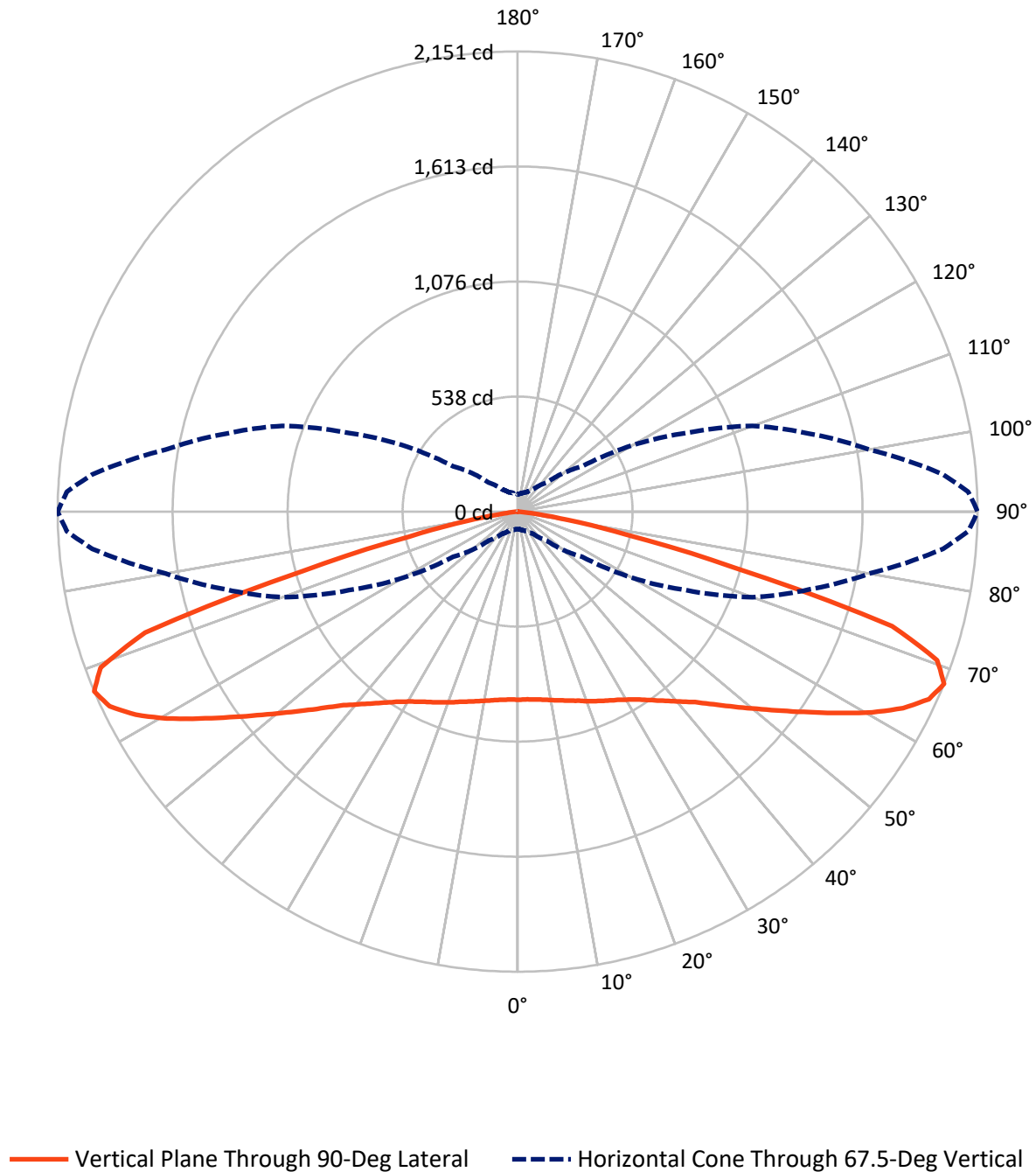
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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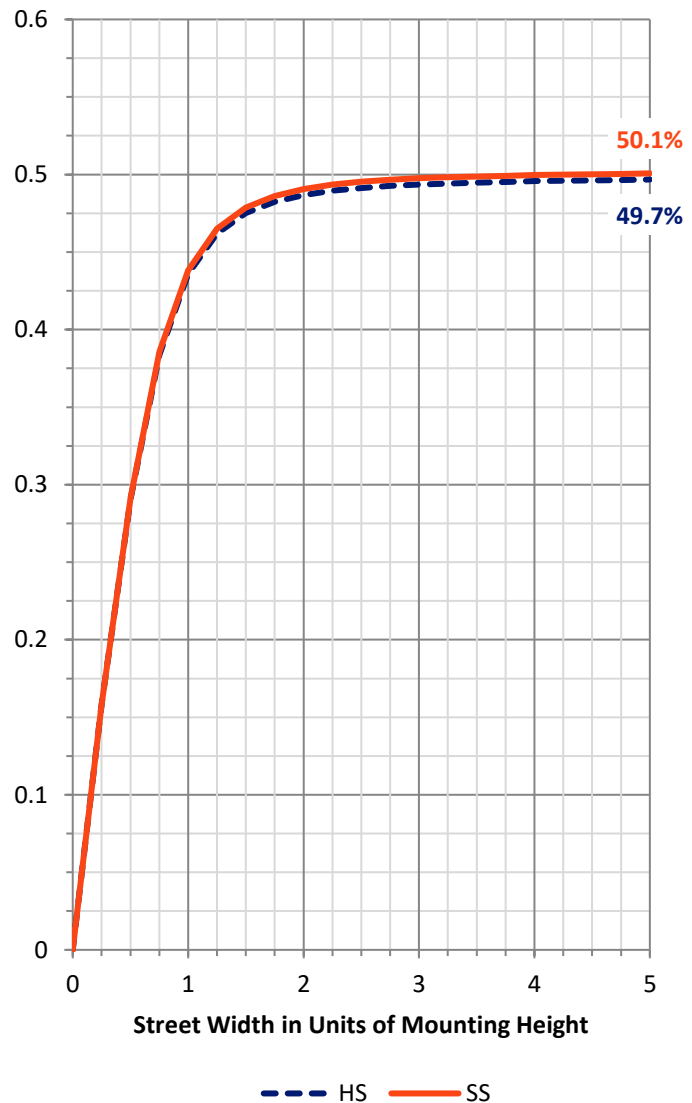
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1772.2	0.0	1772.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1772.2	0.0	1772.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3544.5	0.0	3544.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	2.4
10°-20°	254.2	7.2
20°-30°	422.7	11.9
30°-40°	561.5	15.8
40°-50°	633.0	17.9
50°-60°	650.9	18.4
60°-70°	615.1	17.4
70°-80°	301.1	8.5
80°-90°	21.5	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°	3544.5	100.0
0°-180°	3544.5	100.0

Coefficient of Utilization



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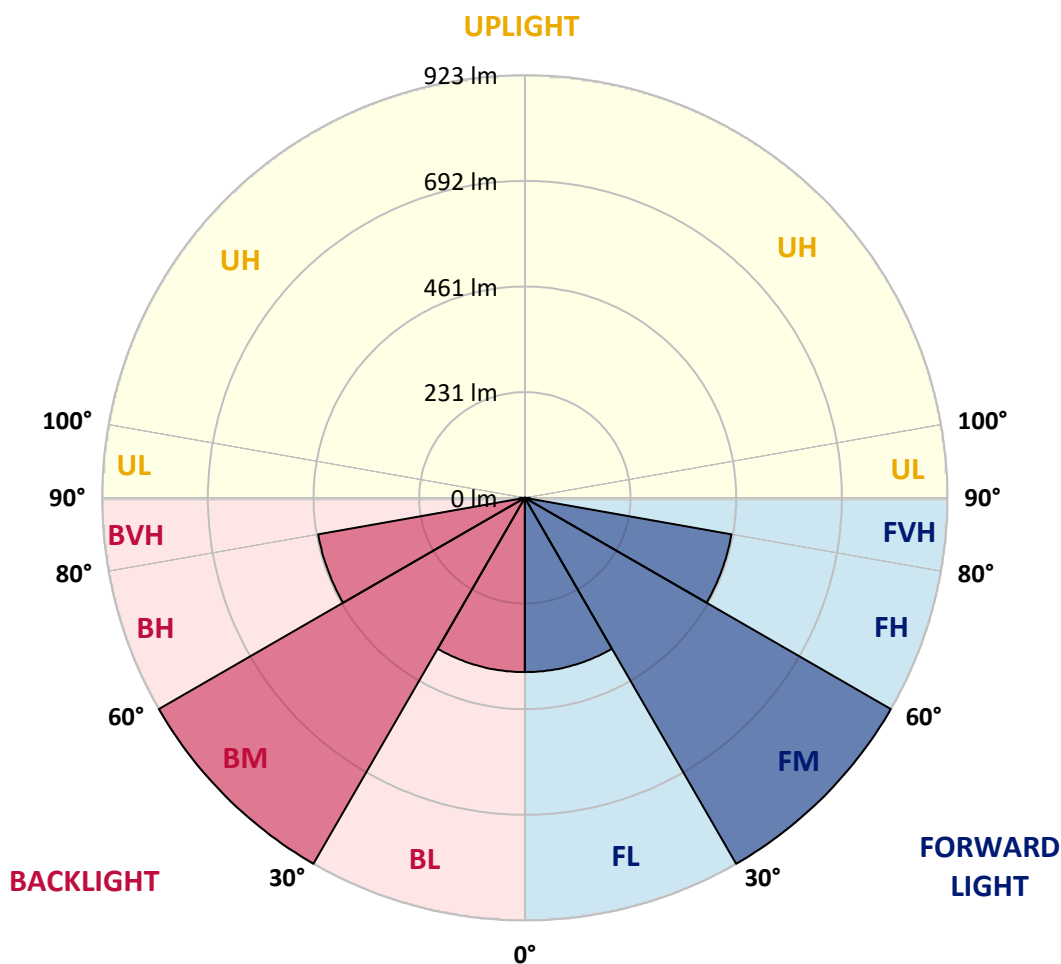
CATALOG NUMBER: GKO-PB1D-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.6	10.7			
FM	(30°-60°)	922.7	26.0			
FH	(60°-80°)	458.1	12.9			G0/660
FVH	(80°-90°)	10.8	0.3			G1/100
BL	(0°-30°)	380.6	10.7	B1/500		
BM	(30°-60°)	922.7	26.0	B1/1000		
BH	(60°-80°)	458.1	12.9	B1/500		G1/500
BVH	(80°-90°)	10.8	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°	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5
2.5°	880.2	881.5	878.9	878.9	880.2	880.8	880.8	881.5	880.2	880.2	879.5
5°	880.2	880.8	879.5	879.5	880.8	882.8	882.1	883.4	883.4	882.8	882.8
7.5°	879.5	880.8	879.5	880.2	882.1	886.1	886.1	886.1	887.4	888.7	888.7
10°	878.9	880.2	880.8	881.5	884.1	890.0	891.3	891.9	893.9	895.9	895.9
12.5°	875.6	876.9	878.9	881.5	886.1	893.9	896.5	898.5	901.7	903.7	905.0
15°	871.0	871.7	876.3	881.5	888.7	898.5	903.7	907.0	911.5	914.2	916.1
17.5°	864.5	865.1	872.3	880.2	890.6	904.4	912.8	918.1	922.7	926.6	929.2
20°	856.0	858.0	866.5	878.9	893.9	910.2	922.7	931.8	936.4	940.3	944.2
22.5°	845.5	847.5	858.0	875.6	897.2	918.1	934.4	946.2	952.1	957.3	961.9
25°	829.9	832.5	844.9	867.8	898.5	926.6	947.5	962.5	967.7	974.3	978.2
27.5°	805.7	807.6	822.7	852.1	894.6	935.7	962.5	980.2	986.0	993.2	997.1
30°	767.8	771.7	790.0	826.6	884.8	942.9	980.2	997.8	1005.0	1012.2	1017.4
32.5°	718.8	724.7	744.9	792.0	865.8	945.5	999.1	1019.4	1028.5	1036.3	1042.9
35°	658.0	663.9	688.1	747.5	835.7	940.3	1018.1	1044.2	1055.3	1065.8	1073.6
37.5°	588.7	594.0	623.4	691.3	792.6	924.0	1033.1	1071.6	1086.7	1100.4	1110.8
40°	518.8	524.7	556.7	629.3	740.3	892.6	1039.6	1101.7	1120.6	1138.3	1151.4
42.5°	443.0	450.2	486.2	563.3	679.6	849.5	1034.4	1131.1	1154.6	1178.8	1198.4
45°	375.7	377.0	416.2	490.7	612.9	793.9	1016.1	1159.2	1191.2	1225.2	1253.3
47.5°	311.0	313.6	347.6	421.5	543.7	731.2	982.8	1181.4	1232.4	1276.2	1317.3
50°	253.5	256.8	287.5	353.5	474.4	662.6	937.7	1194.5	1267.7	1327.1	1384.6
52.5°	206.5	210.4	235.9	294.0	404.5	590.7	882.1	1196.4	1299.7	1378.1	1454.5
55°	171.9	174.5	194.1	240.5	337.2	516.2	818.8	1186.6	1320.6	1423.8	1525.8
57.5°	145.1	147.7	161.4	198.0	276.4	439.8	741.6	1163.8	1331.7	1463.7	1597.7
60°	126.1	128.1	137.9	164.0	227.4	367.9	658.7	1123.3	1328.4	1488.5	1657.1
62.5°	112.4	113.0	121.5	139.8	187.5	299.9	565.2	1062.5	1301.6	1491.8	1697.6
65°	100.0	100.6	105.9	118.9	154.2	241.1	467.9	978.8	1250.7	1468.9	1703.5
67.5°	81.0	82.3	90.2	100.0	126.8	190.8	368.5	869.1	1171.0	1409.5	1670.2
70°	64.7	65.3	73.2	84.3	103.2	150.3	282.9	721.4	1046.2	1312.8	1583.9
72.5°	48.4	49.7	56.8	68.0	84.3	116.3	204.5	545.6	836.4	1106.9	1379.4
75°	38.6	39.2	41.8	52.3	65.3	88.2	137.9	330.6	503.8	684.8	845.5
77.5°	32.7	33.3	33.3	40.5	48.4	59.5	73.2	131.3	213.0	303.2	401.9
80°	26.8	28.1	25.5	30.1	34.6	34.6	34.0	62.7	100.6	142.4	186.9
82.5°	19.6	20.9	19.6	20.9	20.9	18.9	17.6	23.5	32.0	43.8	47.7
85°	13.7	14.4	15.7	14.4	13.7	11.1	8.5	6.5	3.9	4.6	6.5
87.5°	9.1	11.1	13.1	12.4	10.5	8.5	5.9	3.9	2.0	2.6	2.6
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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 CATALOG NUMBER: GKO-PB1D-840-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	879.5	879.5	879.5
2.5°	880.2	879.5	878.9
5°	883.4	882.8	882.1
7.5°	888.0	888.0	888.0
10°	895.2	896.5	896.5
12.5°	904.4	905.7	905.7
15°	915.5	916.1	917.4
17.5°	929.2	929.8	929.8
20°	945.5	944.9	946.2
22.5°	961.9	961.9	961.9
25°	978.8	978.8	978.8
27.5°	998.4	998.4	997.1
30°	1020.0	1020.0	1020.0
32.5°	1046.2	1046.8	1047.5
35°	1079.5	1080.8	1082.7
37.5°	1117.4	1120.6	1122.6
40°	1162.5	1163.8	1167.0
42.5°	1212.8	1216.7	1217.4
45°	1275.5	1282.0	1284.7
47.5°	1349.3	1358.5	1363.1
50°	1431.7	1442.1	1448.7
52.5°	1521.2	1538.2	1546.0
55°	1616.6	1646.0	1654.5
57.5°	1724.4	1764.3	1776.0
60°	1830.3	1886.5	1905.4
62.5°	1920.4	1999.5	2023.0
65°	1983.8	2079.2	2113.9
67.5°	1996.9	2109.9	2151.1
70°	1918.5	2034.1	2081.8
72.5°	1668.2	1772.8	1832.2
75°	985.4	1060.5	1042.2
77.5°	494.7	516.2	519.5
80°	216.9	230.0	235.2
82.5°	53.6	54.9	62.1
85°	7.2	8.5	7.8
87.5°	2.6	2.6	3.3
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: SP3-2511-595-3

Test Date: 11/12/2025

Luminaire Tested: GKO-PB1C-840-U-T4W

Data in this report applies to families of products including GKO-PB1C-840*

Test Information

Test Method: LM-79-2019
 Report Number: SP3-2511-595-3
 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-840-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3958
 CIE u' : 0.2251
 CIE v' : 0.5041
 Duv: 0.0014
 CIE x: 0.3833
 CIE y: 0.3816
 CIE z: 0.2351
 Peak Wavelength (nm): 450
 Dominant Wavelength (nm): 578
 Purity: 29.56261
 R_f: 82.9
 R_g: 94.7

CRI (Ra): 80.8
 R1: 78.3
 R2: 87.6
 R3: 95.0
 R4: 79.6
 R5: 78.8
 R6: 83.3
 R7: 84.3
 R8: 59.4
 R9: -5.1
 R10: 71.4
 R11: 78.5
 R12: 60.5
 R13: 80.5
 R14: 97.5
 R15: 70.7



Test Conditions

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

REPORT NUMBER: SP3-2511-595-3

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 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

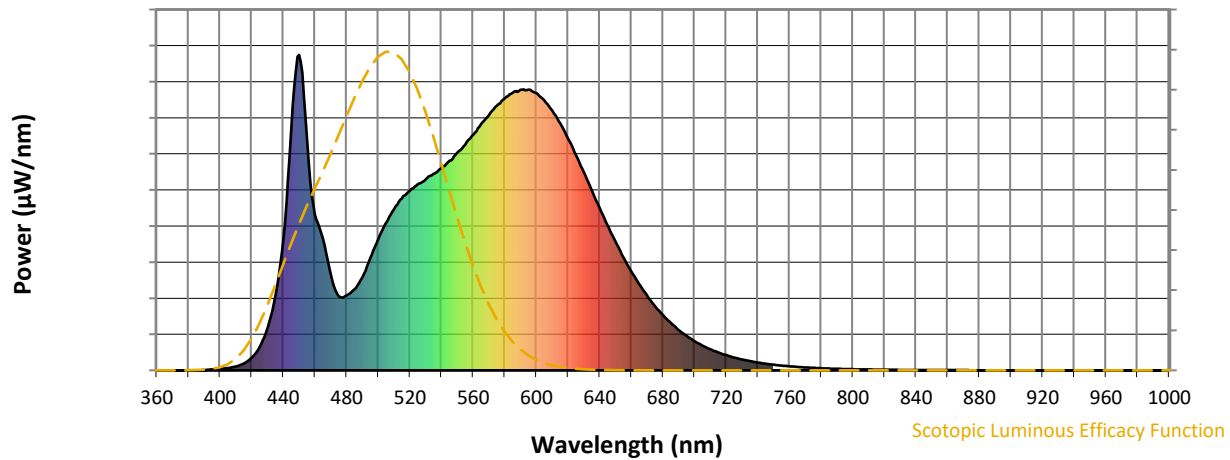


Photopic Lumens: NR

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	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	628	NR	760	13	NR	890	0	NR
375	0	NR	505	468	NR	635	571	NR	765	11	NR	895	0	NR
380	0	NR	510	511	NR	640	515	NR	770	9	NR	900	0	NR
385	0	NR	515	545	NR	645	460	NR	775	8	NR	905	0	NR
390	1	NR	520	570	NR	650	408	NR	780	7	NR	910	0	NR
395	3	NR	525	590	NR	655	359	NR	785	6	NR	915	0	NR
400	5	NR	530	606	NR	660	313	NR	790	5	NR	920	0	NR
405	7	NR	535	623	NR	665	273	NR	795	4	NR	925	0	NR
410	12	NR	540	641	NR	670	236	NR	800	4	NR	930	0	NR
415	22	NR	545	664	NR	675	204	NR	805	3	NR	935	0	NR
420	40	NR	550	690	NR	680	175	NR	810	3	NR	940	0	NR
425	73	NR	555	715	NR	685	151	NR	815	2	NR	945	0	NR
430	133	NR	560	747	NR	690	128	NR	820	2	NR	950	0	NR
435	236	NR	565	781	NR	695	109	NR	825	2	NR	955	0	NR
440	416	NR	570	809	NR	700	93	NR	830	1	NR	960	0	NR
445	757	NR	575	840	NR	705	78	NR	835	1	NR	965	0	NR
450	1000	NR	580	863	NR	710	67	NR	840	1	NR	970	0	NR
455	730	NR	585	880	NR	715	57	NR	845	1	NR	975	0	NR
460	494	NR	590	890	NR	720	48	NR	850	1	NR	980	0	NR
465	419	NR	595	890	NR	725	41	NR	855	1	NR	985	0	NR
470	305	NR	600	879	NR	730	35	NR	860	1	NR	990	0	NR
475	235	NR	605	856	NR	735	29	NR	865	1	NR	995	0	NR
480	237	NR	610	824	NR	740	25	NR	870	1	NR	1000	0	NR
485	257	NR	615	783	NR	745	21	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.65

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	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	628	NR	760	13	NR	890	0	NR
375	0	NR	505	468	NR	635	571	NR	765	11	NR	895	0	NR
380	0	NR	510	511	NR	640	515	NR	770	9	NR	900	0	NR
385	0	NR	515	545	NR	645	460	NR	775	8	NR	905	0	NR
390	1	NR	520	570	NR	650	408	NR	780	7	NR	910	0	NR
395	3	NR	525	590	NR	655	359	NR	785	6	NR	915	0	NR
400	5	NR	530	606	NR	660	313	NR	790	5	NR	920	0	NR
405	7	NR	535	623	NR	665	273	NR	795	4	NR	925	0	NR
410	12	NR	540	641	NR	670	236	NR	800	4	NR	930	0	NR
415	22	NR	545	664	NR	675	204	NR	805	3	NR	935	0	NR
420	40	NR	550	690	NR	680	175	NR	810	3	NR	940	0	NR
425	73	NR	555	715	NR	685	151	NR	815	2	NR	945	0	NR
430	133	NR	560	747	NR	690	128	NR	820	2	NR	950	0	NR
435	236	NR	565	781	NR	695	109	NR	825	2	NR	955	0	NR
440	416	NR	570	809	NR	700	93	NR	830	1	NR	960	0	NR
445	757	NR	575	840	NR	705	78	NR	835	1	NR	965	0	NR
450	1000	NR	580	863	NR	710	67	NR	840	1	NR	970	0	NR
455	730	NR	585	880	NR	715	57	NR	845	1	NR	975	0	NR
460	494	NR	590	890	NR	720	48	NR	850	1	NR	980	0	NR
465	419	NR	595	890	NR	725	41	NR	855	1	NR	985	0	NR
470	305	NR	600	879	NR	730	35	NR	860	1	NR	990	0	NR
475	235	NR	605	856	NR	735	29	NR	865	1	NR	995	0	NR
480	237	NR	610	824	NR	740	25	NR	870	1	NR	1000	0	NR
485	257	NR	615	783	NR	745	21	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.36

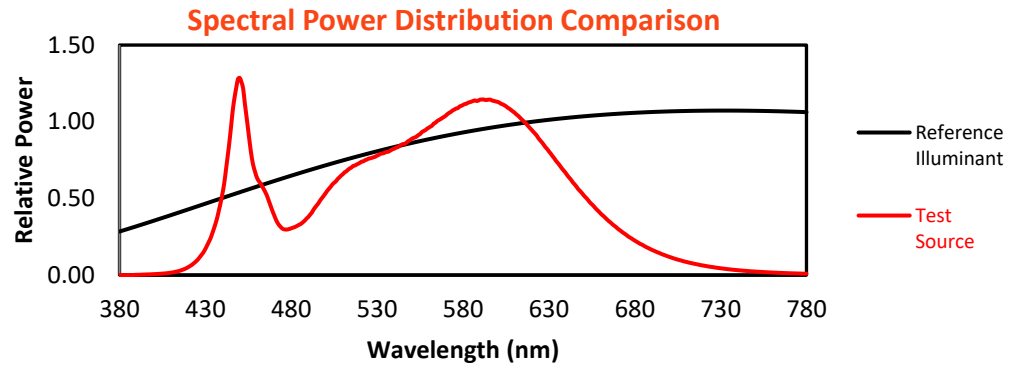
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	628	NR	760	13	NR	890	0	NR
375	0	NR	505	468	NR	635	571	NR	765	11	NR	895	0	NR
380	0	NR	510	511	NR	640	515	NR	770	9	NR	900	0	NR
385	0	NR	515	545	NR	645	460	NR	775	8	NR	905	0	NR
390	1	NR	520	570	NR	650	408	NR	780	7	NR	910	0	NR
395	3	NR	525	590	NR	655	359	NR	785	6	NR	915	0	NR
400	5	NR	530	606	NR	660	313	NR	790	5	NR	920	0	NR
405	7	NR	535	623	NR	665	273	NR	795	4	NR	925	0	NR
410	12	NR	540	641	NR	670	236	NR	800	4	NR	930	0	NR
415	22	NR	545	664	NR	675	204	NR	805	3	NR	935	0	NR
420	40	NR	550	690	NR	680	175	NR	810	3	NR	940	0	NR
425	73	NR	555	715	NR	685	151	NR	815	2	NR	945	0	NR
430	133	NR	560	747	NR	690	128	NR	820	2	NR	950	0	NR
435	236	NR	565	781	NR	695	109	NR	825	2	NR	955	0	NR
440	416	NR	570	809	NR	700	93	NR	830	1	NR	960	0	NR
445	757	NR	575	840	NR	705	78	NR	835	1	NR	965	0	NR
450	1000	NR	580	863	NR	710	67	NR	840	1	NR	970	0	NR
455	730	NR	585	880	NR	715	57	NR	845	1	NR	975	0	NR
460	494	NR	590	890	NR	720	48	NR	850	1	NR	980	0	NR
465	419	NR	595	890	NR	725	41	NR	855	1	NR	985	0	NR
470	305	NR	600	879	NR	730	35	NR	860	1	NR	990	0	NR
475	235	NR	605	856	NR	735	29	NR	865	1	NR	995	0	NR
480	237	NR	610	824	NR	740	25	NR	870	1	NR	1000	0	NR
485	257	NR	615	783	NR	745	21	NR	875	1	NR			

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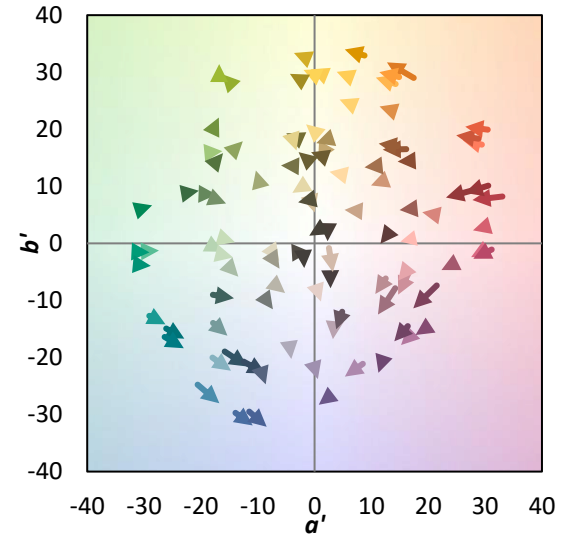
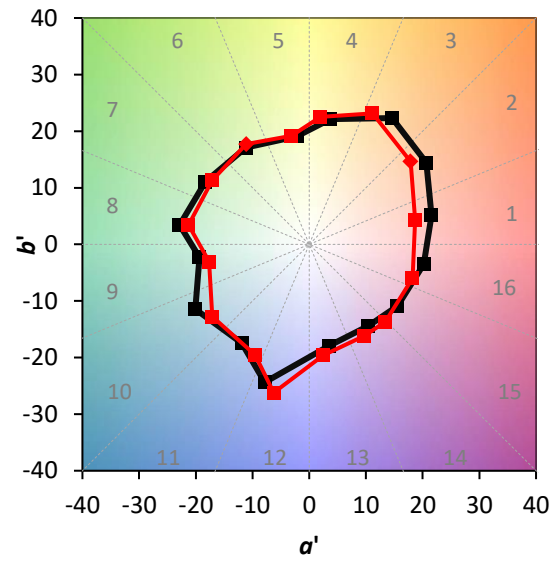
TM-30-18

Summary

$R_f = 82.9$
 $R_g = 94.7$
 $CIE R_a = 80.8$
 $R_g = -5.1$

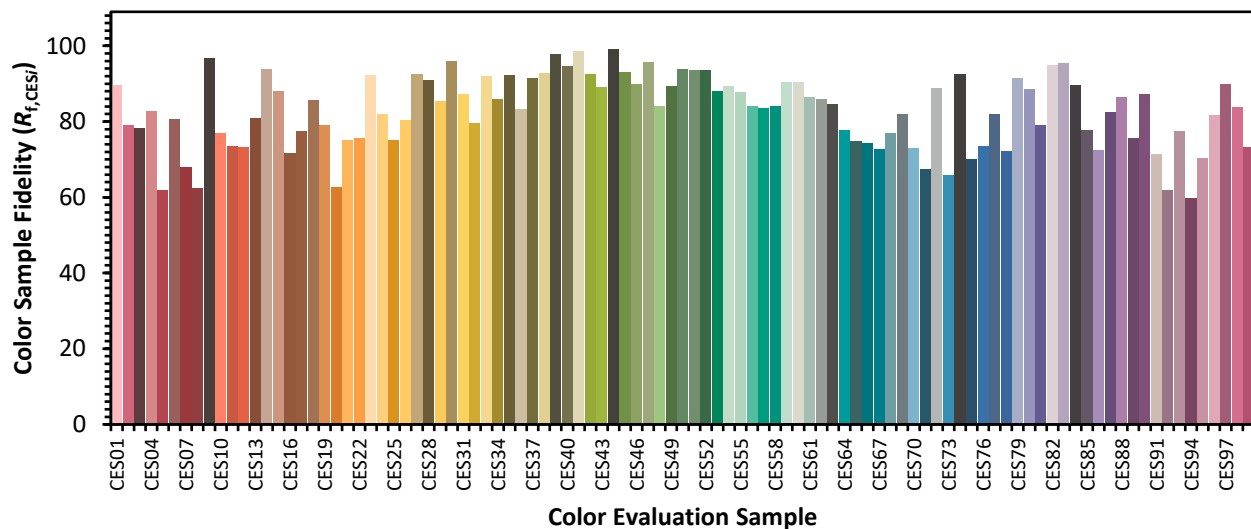


Color Vector Graphics



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

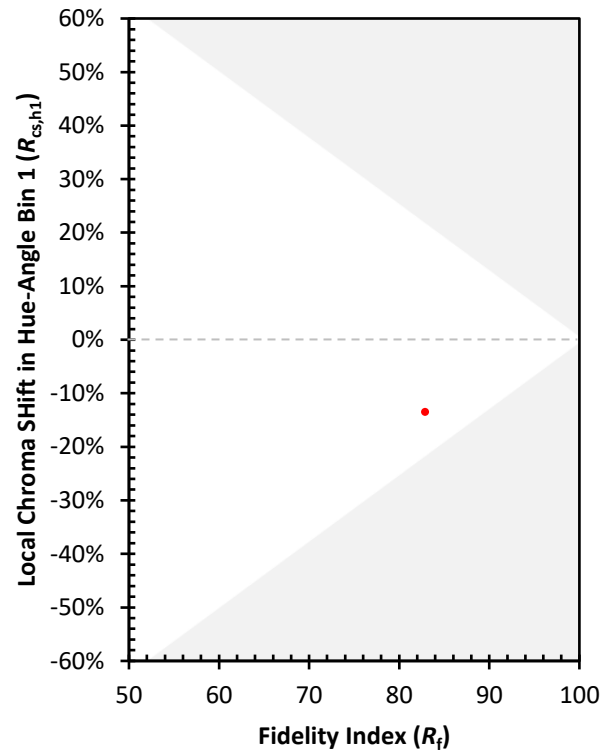
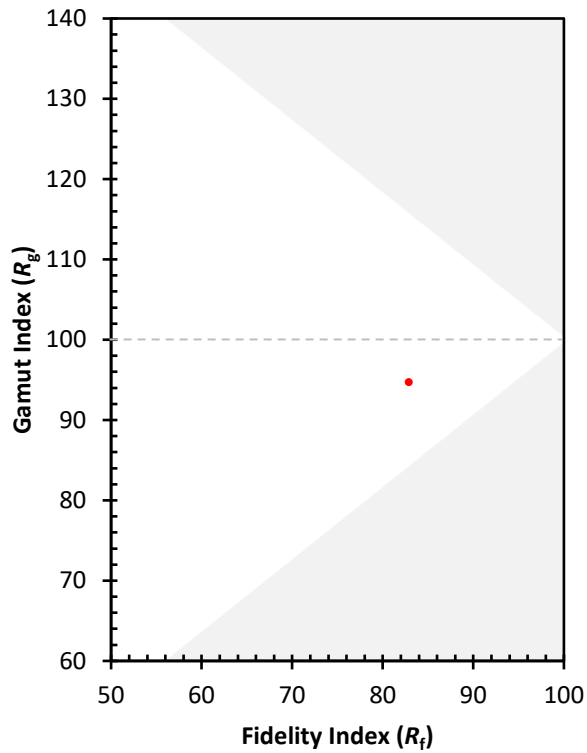
CES01 = 85	CES26 = 80	CES51 = 94	CES76 = 73
CES02 = 61	CES27 = 93	CES52 = 94	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 88	CES78 = 72
CES04 = 70	CES29 = 85	CES54 = 89	CES79 = 91
CES05 = 48	CES30 = 96	CES55 = 88	CES80 = 89
CES06 = 50	CES31 = 87	CES56 = 84	CES81 = 79
CES07 = 40	CES32 = 80	CES57 = 83	CES82 = 95
CES08 = 39	CES33 = 92	CES58 = 84	CES83 = 95
CES09 = 29	CES34 = 86	CES59 = 90	CES84 = 90
CES10 = 74	CES35 = 92	CES60 = 90	CES85 = 78
CES11 = 57	CES36 = 83	CES61 = 86	CES86 = 72
CES12 = 63	CES37 = 91	CES62 = 86	CES87 = 83
CES13 = 42	CES38 = 93	CES63 = 85	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 78	CES89 = 76
CES15 = 71	CES40 = 95	CES65 = 75	CES90 = 87
CES16 = 47	CES41 = 99	CES66 = 74	CES91 = 71
CES17 = 49	CES42 = 93	CES67 = 73	CES92 = 62
CES18 = 56	CES43 = 89	CES68 = 77	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 82	CES94 = 60
CES20 = 65	CES45 = 93	CES70 = 73	CES95 = 70
CES21 = 86	CES46 = 90	CES71 = 67	CES96 = 82
CES22 = 78	CES47 = 96	CES72 = 89	CES97 = 90
CES23 = 91	CES48 = 84	CES73 = 66	CES98 = 84
CES24 = 90	CES49 = 89	CES74 = 93	CES99 = 73
CES25 = 71	CES50 = 94	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)