

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: P1212054

Luminaire Tested: **GKO-PB1C-850-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212054
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-850-U-T1
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

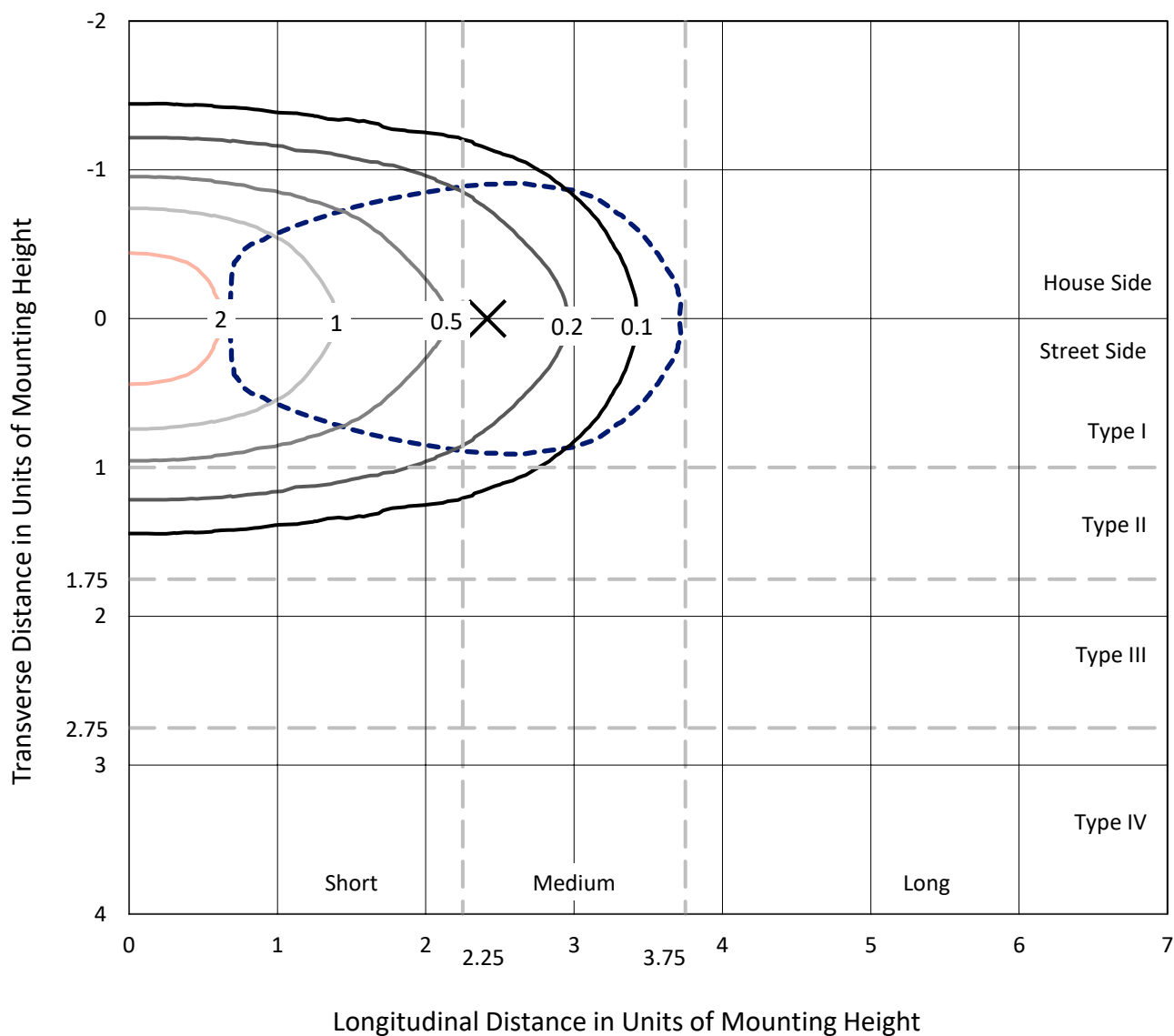
Lumens per Lamp: N/A
Luminaire Lumens: 2497.8 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 13%
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

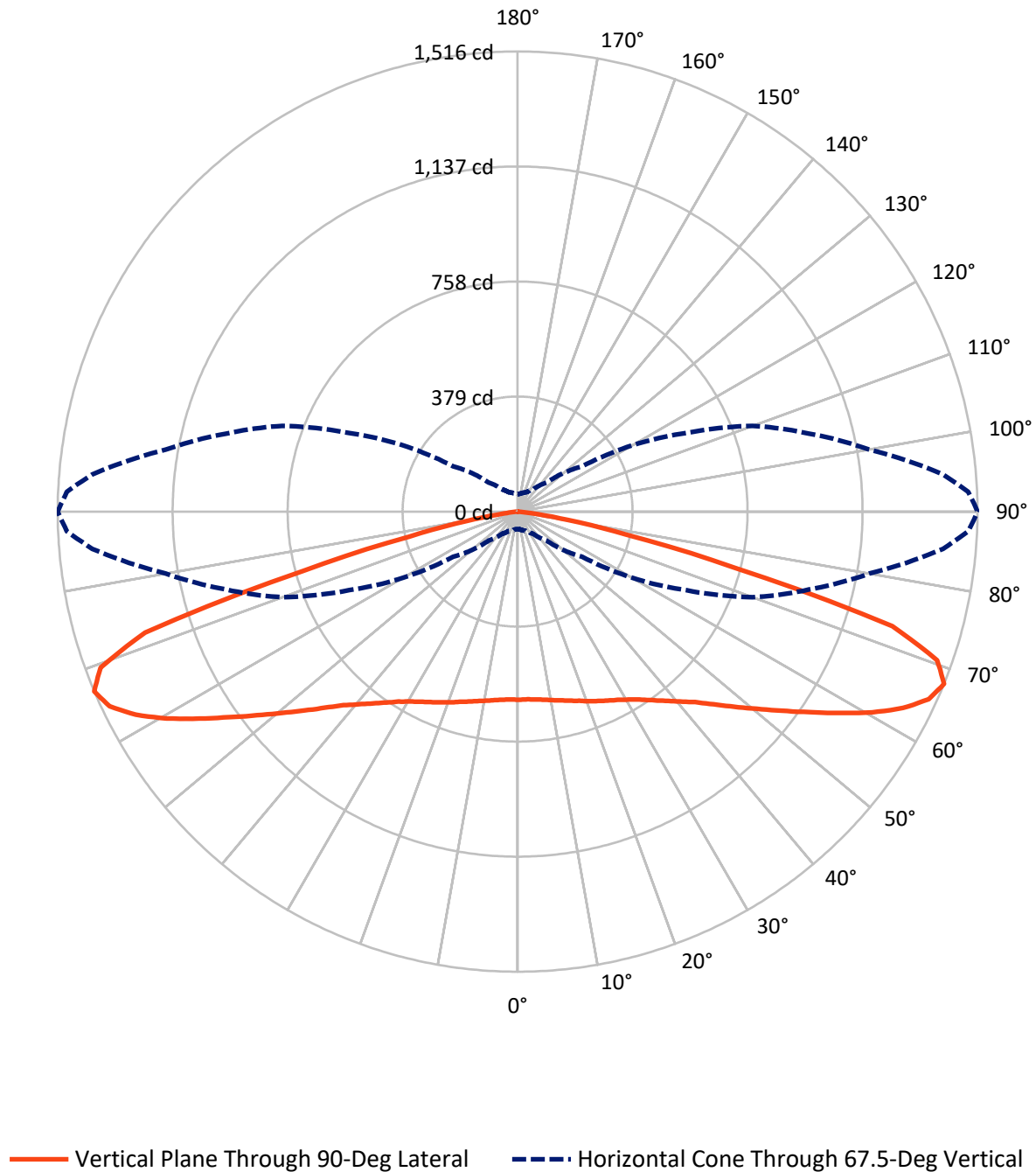
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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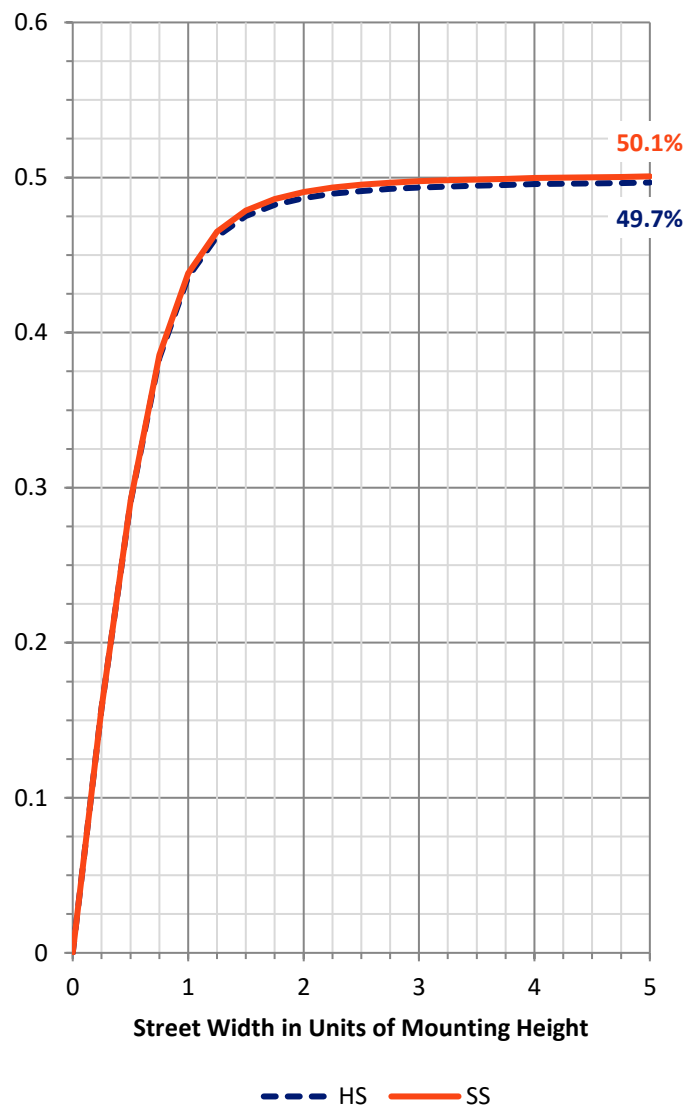
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1248.9	0.0	1248.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1248.9	0.0	1248.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2497.8	0.0	2497.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	2.4
10°-20°	179.1	7.2
20°-30°	297.9	11.9
30°-40°	395.7	15.8
40°-50°	446.1	17.9
50°-60°	458.7	18.4
60°-70°	433.5	17.4
70°-80°	212.2	8.5
80°-90°	15.2	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°	2497.8	100.0
0°-180°	2497.8	100.0

Coefficient of Utilization



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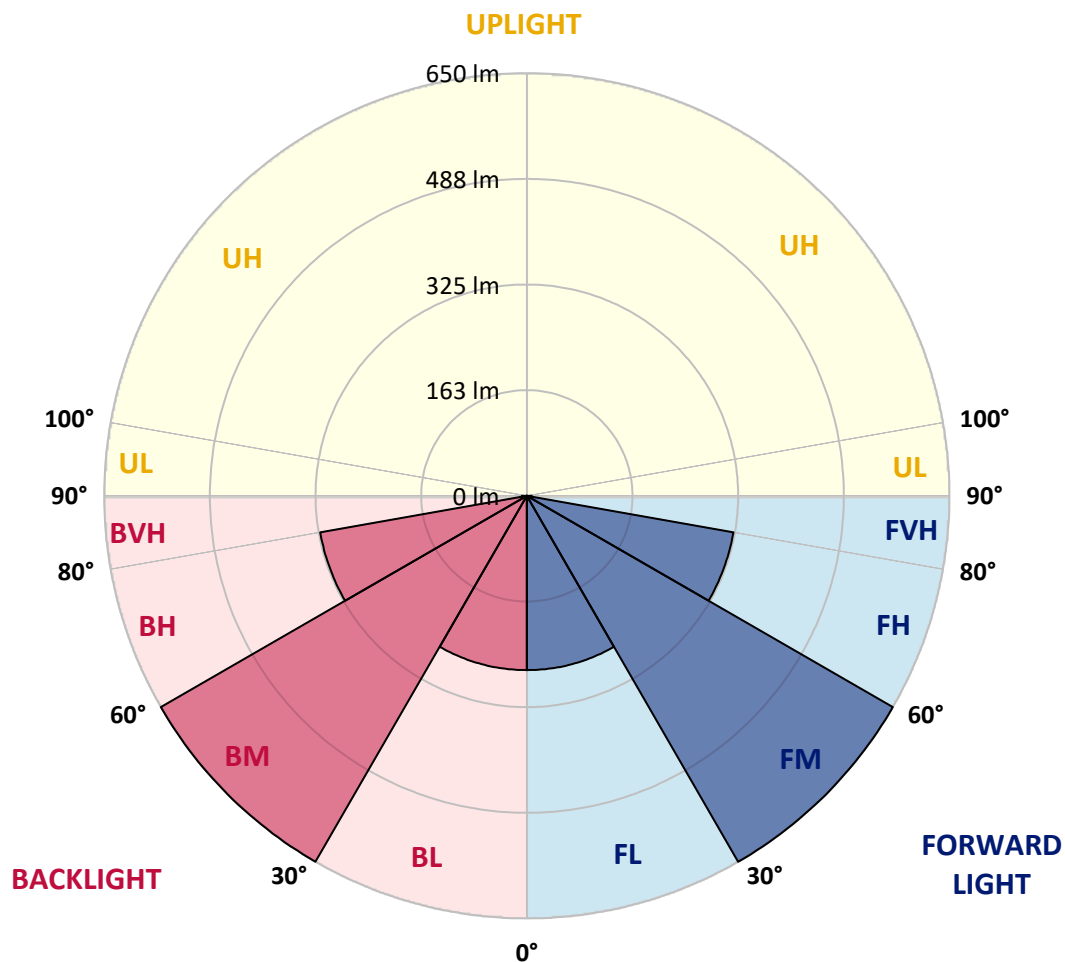
CATALOG NUMBER: GKO-PB1C-850-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.2	10.7			
FM	(30°-60°)	650.2	26.0			
FH	(60°-80°)	322.9	12.9			G0/660
FVH	(80°-90°)	7.6	0.3			G0/10
BL	(0°-30°)	268.2	10.7	B1/500		
BM	(30°-60°)	650.2	26.0	B1/1000		
BH	(60°-80°)	322.9	12.9	B1/500		G1/500
BVH	(80°-90°)	7.6	0.3			G0/10
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°	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8
2.5°	620.3	621.2	619.3	619.3	620.3	620.7	620.7	621.2	620.3	620.3	619.8
5°	620.3	620.7	619.8	619.8	620.7	622.1	621.6	622.6	622.6	622.1	622.1
7.5°	619.8	620.7	619.8	620.3	621.6	624.4	624.4	624.4	625.3	626.2	626.2
10°	619.3	620.3	620.7	621.2	623.0	627.2	628.1	628.5	629.9	631.3	631.3
12.5°	617.0	618.0	619.3	621.2	624.4	629.9	631.8	633.2	635.5	636.8	637.8
15°	613.8	614.3	617.5	621.2	626.2	633.2	636.8	639.1	642.4	644.2	645.6
17.5°	609.2	609.7	614.7	620.3	627.6	637.3	643.3	647.0	650.2	653.0	654.8
20°	603.2	604.6	610.6	619.3	629.9	641.4	650.2	656.6	659.9	662.6	665.4
22.5°	595.9	597.2	604.6	617.0	632.2	647.0	658.5	666.8	670.9	674.6	677.8
25°	584.8	586.6	595.4	611.5	633.2	653.0	667.7	678.3	682.0	686.6	689.3
27.5°	567.8	569.1	579.7	600.5	630.4	659.4	678.3	690.7	694.9	699.9	702.7
30°	541.1	543.8	556.7	582.5	623.5	664.5	690.7	703.1	708.2	713.3	717.0
32.5°	506.5	510.7	524.9	558.1	610.1	666.3	704.1	718.3	724.8	730.3	734.9
35°	463.7	467.8	484.9	526.8	588.9	662.6	717.4	735.8	743.7	751.0	756.6
37.5°	414.9	418.6	439.3	487.2	558.6	651.1	728.0	755.2	765.8	775.4	782.8
40°	365.6	369.8	392.3	443.4	521.7	629.0	732.6	776.4	789.7	802.1	811.4
42.5°	312.2	317.3	342.6	396.9	478.9	598.6	728.9	797.1	813.7	830.7	844.5
45°	264.8	265.7	293.3	345.8	431.9	559.5	716.0	816.9	839.4	863.4	883.2
47.5°	219.2	221.0	245.0	297.0	383.1	515.3	692.6	832.5	868.5	899.3	928.3
50°	178.7	181.0	202.6	249.1	334.3	466.9	660.8	841.8	893.3	935.2	975.7
52.5°	145.5	148.3	166.2	207.2	285.0	416.3	621.6	843.1	915.9	971.1	1025.0
55°	121.1	122.9	136.8	169.5	237.6	363.8	577.0	836.2	930.6	1003.4	1075.2
57.5°	102.2	104.1	113.7	139.5	194.8	309.9	522.6	820.1	938.5	1031.5	1125.9
60°	88.9	90.3	97.2	115.6	160.2	259.2	464.2	791.6	936.1	1049.0	1167.8
62.5°	79.2	79.7	85.6	98.5	132.2	211.4	398.3	748.7	917.3	1051.3	1196.3
65°	70.5	70.9	74.6	83.8	108.7	169.9	329.7	689.8	881.4	1035.2	1200.5
67.5°	57.1	58.0	63.5	70.5	89.3	134.5	259.7	612.4	825.2	993.2	1177.0
70°	45.6	46.0	51.6	59.4	72.8	105.9	199.4	508.4	737.2	925.1	1116.2
72.5°	34.1	35.0	40.1	47.9	59.4	82.0	144.1	384.5	589.4	780.0	972.1
75°	27.2	27.6	29.5	36.8	46.0	62.2	97.2	233.0	355.0	482.6	595.9
77.5°	23.0	23.5	23.5	28.5	34.1	41.9	51.6	92.6	150.1	213.7	283.2
80°	18.9	19.8	18.0	21.2	24.4	24.4	23.9	44.2	70.9	100.4	131.7
82.5°	13.8	14.7	13.8	14.7	14.7	13.4	12.4	16.6	22.6	30.9	33.6
85°	9.7	10.1	11.1	10.1	9.7	7.8	6.0	4.6	2.8	3.2	4.6
87.5°	6.4	7.8	9.2	8.7	7.4	6.0	4.1	2.8	1.4	1.8	1.8
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°	619.8	619.8	619.8
2.5°	620.3	619.8	619.3
5°	622.6	622.1	621.6
7.5°	625.8	625.8	625.8
10°	630.9	631.8	631.8
12.5°	637.3	638.2	638.2
15°	645.1	645.6	646.5
17.5°	654.8	655.3	655.3
20°	666.3	665.8	666.8
22.5°	677.8	677.8	677.8
25°	689.8	689.8	689.8
27.5°	703.6	703.6	702.7
30°	718.8	718.8	718.8
32.5°	737.2	737.7	738.1
35°	760.7	761.6	763.0
37.5°	787.4	789.7	791.1
40°	819.2	820.1	822.4
42.5°	854.6	857.4	857.9
45°	898.8	903.5	905.3
47.5°	950.9	957.3	960.6
50°	1008.9	1016.3	1020.9
52.5°	1072.0	1084.0	1089.5
55°	1139.2	1159.9	1165.9
57.5°	1215.2	1243.3	1251.6
60°	1289.8	1329.4	1342.7
62.5°	1353.3	1409.1	1425.6
65°	1398.0	1465.2	1489.6
67.5°	1407.2	1486.9	1515.9
70°	1352.0	1433.5	1467.1
72.5°	1175.6	1249.3	1291.2
75°	694.4	747.4	734.5
77.5°	348.6	363.8	366.1
80°	152.9	162.1	165.8
82.5°	37.8	38.7	43.7
85°	5.1	6.0	5.5
87.5°	1.8	1.8	2.3
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: SP1-2511-595-4

Test Date: 01/09/2026

Luminaire Tested: GKO-PB1C-850-U-T4W

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-595-4
 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-850-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 5005
 CIE u' : 0.2100
 CIE v' : 0.4867
 Duv: 0.0019
 CIE x: 0.3453
 CIE y: 0.3557
 CIE z: 0.2990
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 570
 Purity: 10.34221
 R_f: 83.7
 R_g: 95.5

CRI (Ra): 83.1
 R1: 81.4
 R2: 89.2
 R3: 93.9
 R4: 82.4
 R5: 82.2
 R6: 84.5
 R7: 86.1
 R8: 65.5
 R9: 4.4
 R10: 74.2
 R11: 81.9
 R12: 62.2
 R13: 83.6
 R14: 97.0
 R15: 75.4



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.1

REPORT NUMBER: SP1-2511-595-4

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 5000K 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	267	NR	620	453	NR	750	11	NR	880	0	NR
365	0	NR	495	305	NR	625	420	NR	755	10	NR	885	0	NR
370	0	NR	500	350	NR	630	387	NR	760	8	NR	890	0	NR
375	1	NR	505	386	NR	635	351	NR	765	7	NR	895	0	NR
380	1	NR	510	415	NR	640	317	NR	770	6	NR	900	0	NR
385	2	NR	515	441	NR	645	283	NR	775	5	NR	905	0	NR
390	3	NR	520	454	NR	650	252	NR	780	4	NR	910	0	NR
395	4	NR	525	466	NR	655	222	NR	785	4	NR	915	0	NR
400	6	NR	530	474	NR	660	194	NR	790	3	NR	920	0	NR
405	8	NR	535	484	NR	665	170	NR	795	3	NR	925	0	NR
410	12	NR	540	492	NR	670	147	NR	800	2	NR	930	0	NR
415	19	NR	545	502	NR	675	127	NR	805	2	NR	935	0	NR
420	33	NR	550	512	NR	680	109	NR	810	2	NR	940	0	NR
425	57	NR	555	522	NR	685	94	NR	815	2	NR	945	0	NR
430	101	NR	560	535	NR	690	80	NR	820	1	NR	950	0	NR
435	183	NR	565	546	NR	695	69	NR	825	1	NR	955	0	NR
440	325	NR	570	555	NR	700	58	NR	830	1	NR	960	0	NR
445	630	NR	575	562	NR	705	50	NR	835	1	NR	965	0	NR
450	982	NR	580	567	NR	710	42	NR	840	1	NR	970	0	NR
455	847	NR	585	567	NR	715	36	NR	845	1	NR	975	0	NR
460	545	NR	590	566	NR	720	31	NR	850	1	NR	980	0	NR
465	456	NR	595	561	NR	725	26	NR	855	0	NR	985	0	NR
470	349	NR	600	547	NR	730	22	NR	860	0	NR	990	0	NR
475	253	NR	605	530	NR	735	19	NR	865	0	NR	995	0	NR
480	235	NR	610	509	NR	740	16	NR	870	0	NR	1000	0	NR
485	247	NR	615	482	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.97

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	267	NR	620	453	NR	750	11	NR	880	0	NR
365	0	NR	495	305	NR	625	420	NR	755	10	NR	885	0	NR
370	0	NR	500	350	NR	630	387	NR	760	8	NR	890	0	NR
375	1	NR	505	386	NR	635	351	NR	765	7	NR	895	0	NR
380	1	NR	510	415	NR	640	317	NR	770	6	NR	900	0	NR
385	2	NR	515	441	NR	645	283	NR	775	5	NR	905	0	NR
390	3	NR	520	454	NR	650	252	NR	780	4	NR	910	0	NR
395	4	NR	525	466	NR	655	222	NR	785	4	NR	915	0	NR
400	6	NR	530	474	NR	660	194	NR	790	3	NR	920	0	NR
405	8	NR	535	484	NR	665	170	NR	795	3	NR	925	0	NR
410	12	NR	540	492	NR	670	147	NR	800	2	NR	930	0	NR
415	19	NR	545	502	NR	675	127	NR	805	2	NR	935	0	NR
420	33	NR	550	512	NR	680	109	NR	810	2	NR	940	0	NR
425	57	NR	555	522	NR	685	94	NR	815	2	NR	945	0	NR
430	101	NR	560	535	NR	690	80	NR	820	1	NR	950	0	NR
435	183	NR	565	546	NR	695	69	NR	825	1	NR	955	0	NR
440	325	NR	570	555	NR	700	58	NR	830	1	NR	960	0	NR
445	630	NR	575	562	NR	705	50	NR	835	1	NR	965	0	NR
450	982	NR	580	567	NR	710	42	NR	840	1	NR	970	0	NR
455	847	NR	585	567	NR	715	36	NR	845	1	NR	975	0	NR
460	545	NR	590	566	NR	720	31	NR	850	1	NR	980	0	NR
465	456	NR	595	561	NR	725	26	NR	855	0	NR	985	0	NR
470	349	NR	600	547	NR	730	22	NR	860	0	NR	990	0	NR
475	253	NR	605	530	NR	735	19	NR	865	0	NR	995	0	NR
480	235	NR	610	509	NR	740	16	NR	870	0	NR	1000	0	NR
485	247	NR	615	482	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.21

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	267	NR	620	453	NR	750	11	NR	880	0	NR
365	0	NR	495	305	NR	625	420	NR	755	10	NR	885	0	NR
370	0	NR	500	350	NR	630	387	NR	760	8	NR	890	0	NR
375	1	NR	505	386	NR	635	351	NR	765	7	NR	895	0	NR
380	1	NR	510	415	NR	640	317	NR	770	6	NR	900	0	NR
385	2	NR	515	441	NR	645	283	NR	775	5	NR	905	0	NR
390	3	NR	520	454	NR	650	252	NR	780	4	NR	910	0	NR
395	4	NR	525	466	NR	655	222	NR	785	4	NR	915	0	NR
400	6	NR	530	474	NR	660	194	NR	790	3	NR	920	0	NR
405	8	NR	535	484	NR	665	170	NR	795	3	NR	925	0	NR
410	12	NR	540	492	NR	670	147	NR	800	2	NR	930	0	NR
415	19	NR	545	502	NR	675	127	NR	805	2	NR	935	0	NR
420	33	NR	550	512	NR	680	109	NR	810	2	NR	940	0	NR
425	57	NR	555	522	NR	685	94	NR	815	2	NR	945	0	NR
430	101	NR	560	535	NR	690	80	NR	820	1	NR	950	0	NR
435	183	NR	565	546	NR	695	69	NR	825	1	NR	955	0	NR
440	325	NR	570	555	NR	700	58	NR	830	1	NR	960	0	NR
445	630	NR	575	562	NR	705	50	NR	835	1	NR	965	0	NR
450	982	NR	580	567	NR	710	42	NR	840	1	NR	970	0	NR
455	847	NR	585	567	NR	715	36	NR	845	1	NR	975	0	NR
460	545	NR	590	566	NR	720	31	NR	850	1	NR	980	0	NR
465	456	NR	595	561	NR	725	26	NR	855	0	NR	985	0	NR
470	349	NR	600	547	NR	730	22	NR	860	0	NR	990	0	NR
475	253	NR	605	530	NR	735	19	NR	865	0	NR	995	0	NR
480	235	NR	610	509	NR	740	16	NR	870	0	NR	1000	0	NR
485	247	NR	615	482	NR	745	13	NR	875	0	NR			

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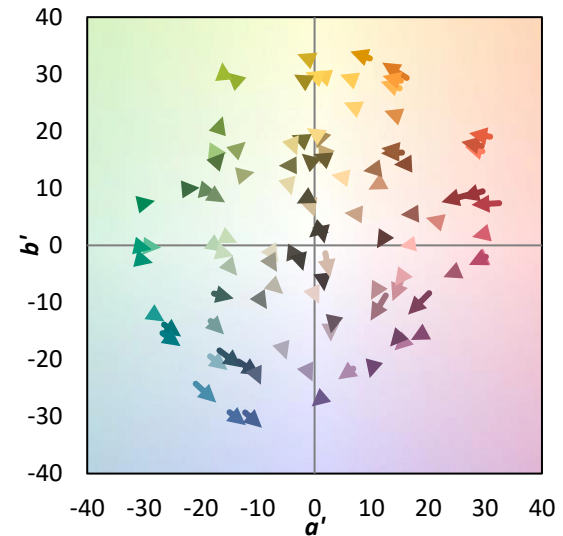
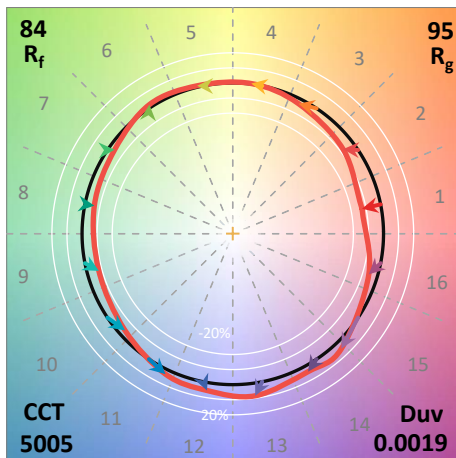
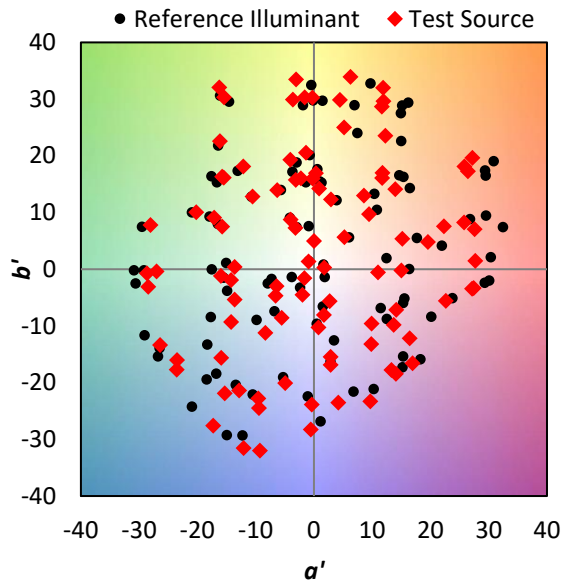
TM-30-18

Summary

$R_f = 83.7$
 $R_g = 95.5$
 $\text{CIE } R_a = 83.1$
 $R_9 = 4.4$

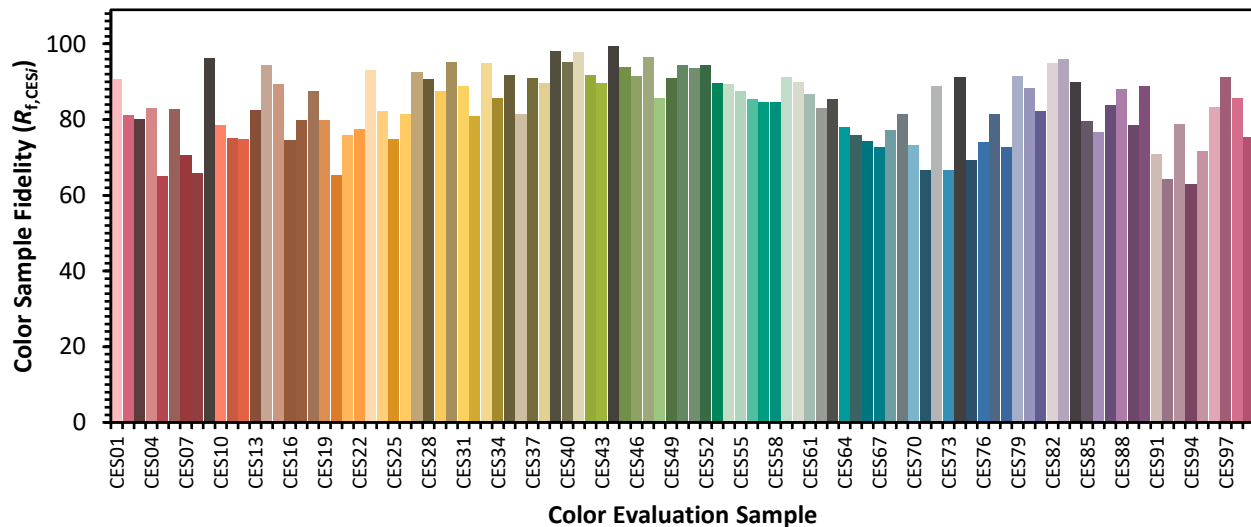


Color Vector Graphics



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

CES01 = 85	CES26 = 81	CES51 = 94	CES76 = 74
CES02 = 60	CES27 = 93	CES52 = 95	CES77 = 81
CES03 = 30	CES28 = 91	CES53 = 90	CES78 = 73
CES04 = 69	CES29 = 87	CES54 = 89	CES79 = 91
CES05 = 47	CES30 = 95	CES55 = 87	CES80 = 88
CES06 = 50	CES31 = 89	CES56 = 85	CES81 = 82
CES07 = 39	CES32 = 81	CES57 = 85	CES82 = 95
CES08 = 39	CES33 = 95	CES58 = 85	CES83 = 96
CES09 = 29	CES34 = 86	CES59 = 91	CES84 = 90
CES10 = 73	CES35 = 92	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 82	CES61 = 87	CES86 = 77
CES12 = 62	CES37 = 91	CES62 = 83	CES87 = 84
CES13 = 42	CES38 = 90	CES63 = 85	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 78	CES89 = 78
CES15 = 71	CES40 = 95	CES65 = 76	CES90 = 89
CES16 = 46	CES41 = 98	CES66 = 74	CES91 = 71
CES17 = 49	CES42 = 92	CES67 = 73	CES92 = 64
CES18 = 55	CES43 = 90	CES68 = 77	CES93 = 79
CES19 = 71	CES44 = 99	CES69 = 81	CES94 = 63
CES20 = 64	CES45 = 94	CES70 = 73	CES95 = 72
CES21 = 85	CES46 = 92	CES71 = 67	CES96 = 83
CES22 = 77	CES47 = 97	CES72 = 89	CES97 = 91
CES23 = 91	CES48 = 86	CES73 = 67	CES98 = 86
CES24 = 90	CES49 = 91	CES74 = 91	CES99 = 75
CES25 = 71	CES50 = 94	CES75 = 69	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)