

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: P1212045

Luminaire Tested: **GKO-PB1B-840-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212045
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1B-840-U-T1
Description: GEKKO WALL PACK 1500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

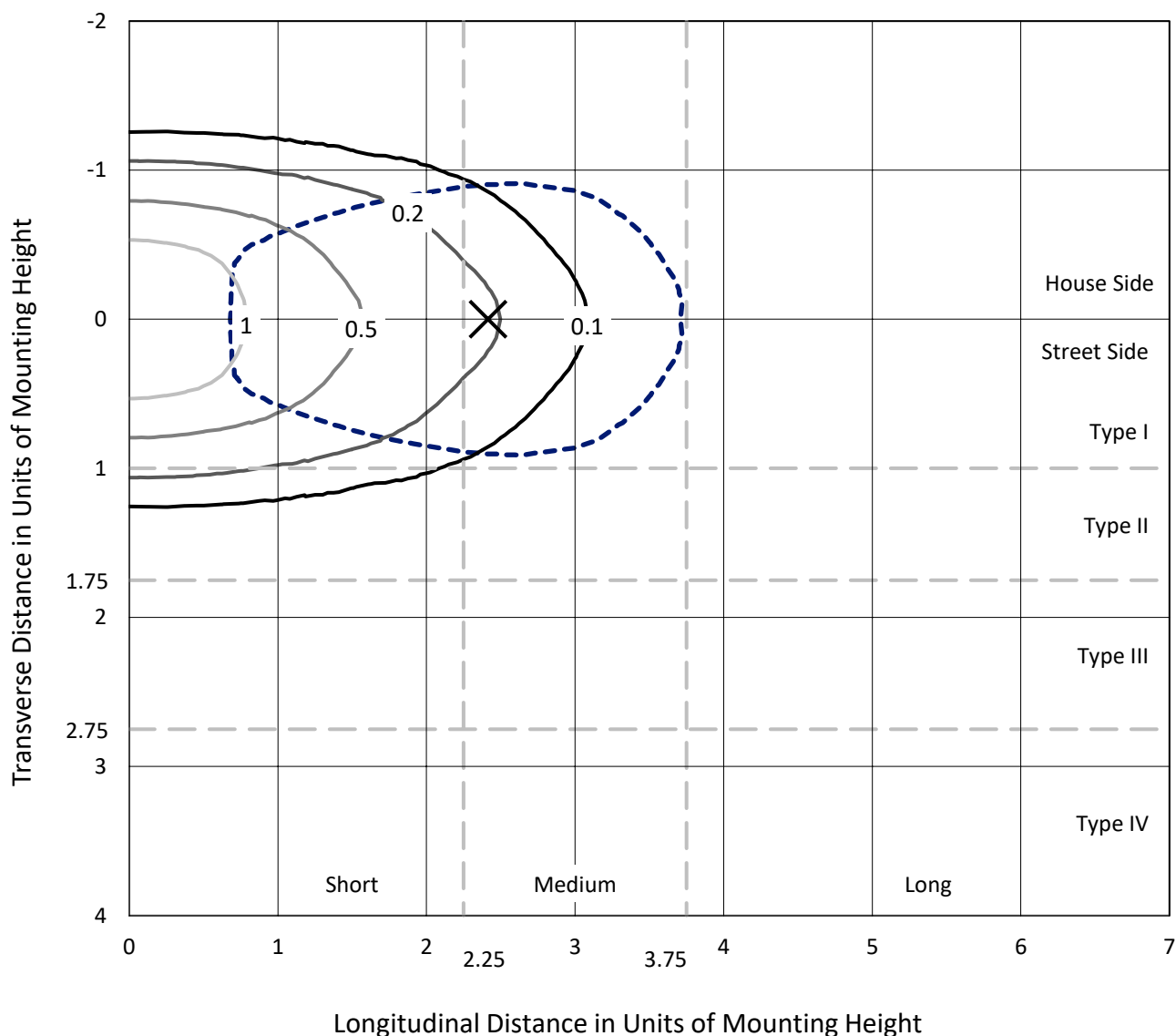
Lumens per Lamp: N/A
Luminaire Lumens: 1455.1 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 9.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 14%
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

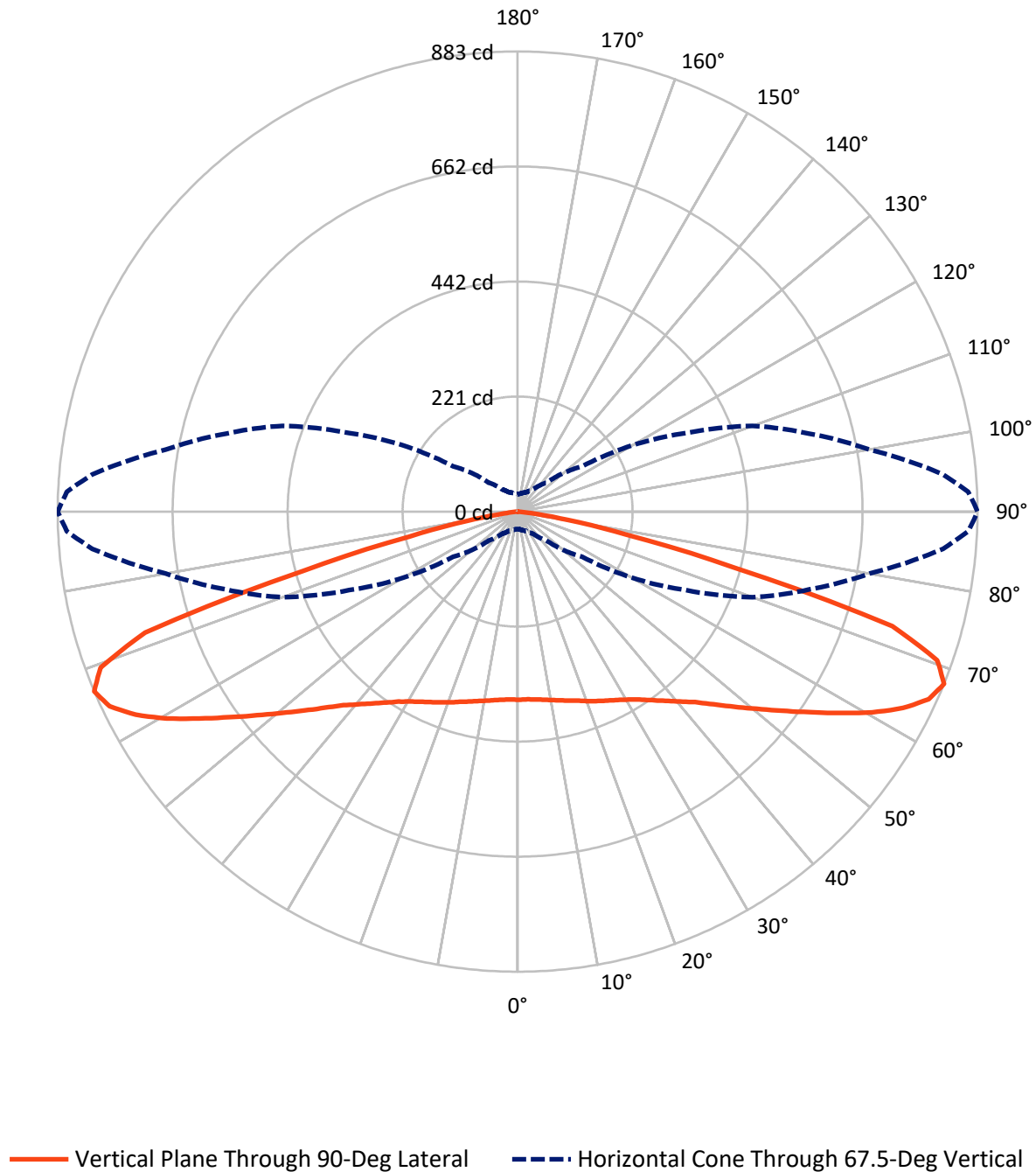
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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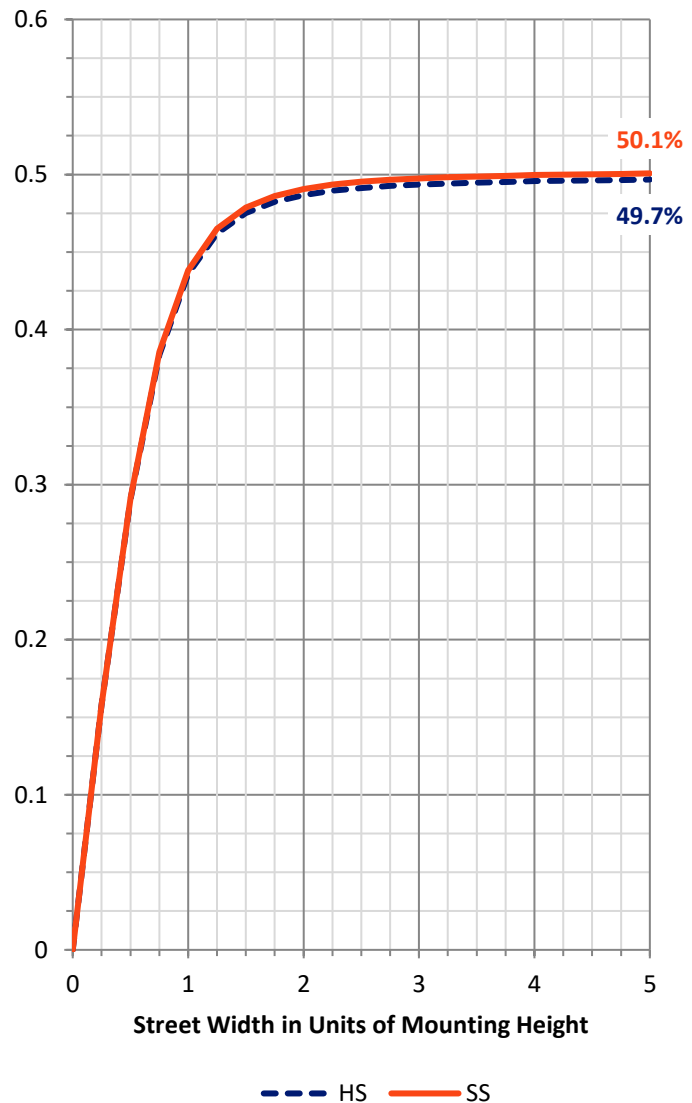
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.5	0.0	727.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	727.5	0.0	727.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1455.1	0.0	1455.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	2.4
10°-20°	104.4	7.2
20°-30°	173.5	11.9
30°-40°	230.5	15.8
40°-50°	259.9	17.9
50°-60°	267.2	18.4
60°-70°	252.5	17.4
70°-80°	123.6	8.5
80°-90°	8.8	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°	1455.1	100.0
0°-180°	1455.1	100.0



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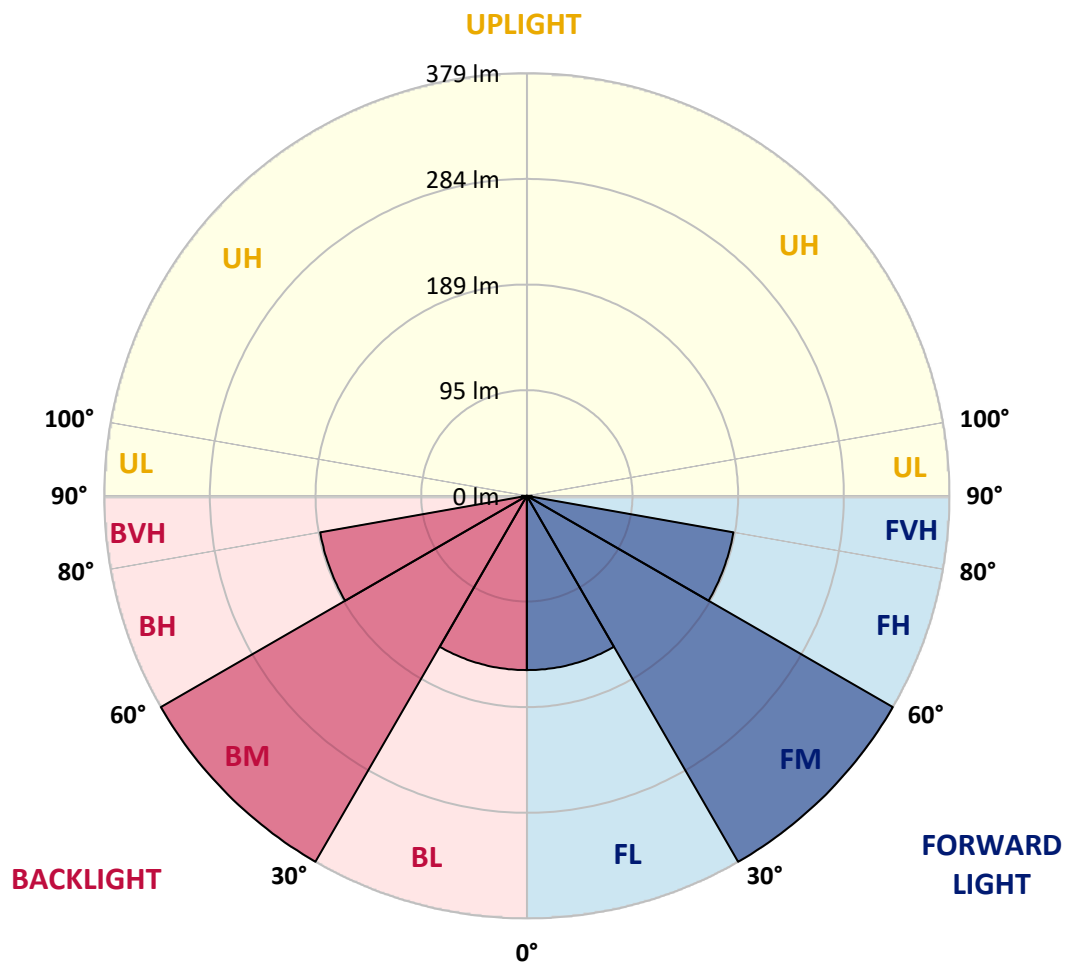
CATALOG NUMBER: GKO-PB1B-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.3	10.7			
FM	(30°-60°)	378.8	26.0			
FH	(60°-80°)	188.1	12.9			G0/660
FVH	(80°-90°)	4.4	0.3			G0/10
BL	(0°-30°)	156.3	10.7	B1/500		
BM	(30°-60°)	378.8	26.0	B1/1000		
BH	(60°-80°)	188.1	12.9	B1/500		G1/500
BVH	(80°-90°)	4.4	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°	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1
2.5°	361.3	361.9	360.8	360.8	361.3	361.6	361.6	361.9	361.3	361.3	361.1
5°	361.3	361.6	361.1	361.1	361.6	362.4	362.1	362.7	362.7	362.4	362.4
7.5°	361.1	361.6	361.1	361.3	362.1	363.8	363.8	363.8	364.3	364.8	364.8
10°	360.8	361.3	361.6	361.9	363.0	365.4	365.9	366.2	367.0	367.8	367.8
12.5°	359.5	360.0	360.8	361.9	363.8	367.0	368.0	368.9	370.2	371.0	371.5
15°	357.6	357.9	359.7	361.9	364.8	368.9	371.0	372.3	374.2	375.3	376.1
17.5°	354.9	355.2	358.1	361.3	365.6	371.3	374.8	376.9	378.8	380.4	381.5
20°	351.4	352.2	355.7	360.8	367.0	373.7	378.8	382.5	384.4	386.0	387.6
22.5°	347.1	347.9	352.2	359.5	368.3	376.9	383.6	388.4	390.8	393.0	394.9
25°	340.7	341.8	346.9	356.2	368.9	380.4	389.0	395.1	397.3	400.0	401.6
27.5°	330.8	331.6	337.7	349.8	367.2	384.1	395.1	402.4	404.8	407.7	409.4
30°	315.2	316.8	324.3	339.3	363.2	387.1	402.4	409.6	412.6	415.5	417.7
32.5°	295.1	297.5	305.8	325.1	355.4	388.2	410.2	418.5	422.2	425.5	428.1
35°	270.1	272.5	282.5	306.9	343.1	386.0	417.9	428.7	433.2	437.5	440.7
37.5°	241.7	243.8	255.9	283.8	325.4	379.3	424.1	439.9	446.1	451.7	456.0
40°	213.0	215.4	228.6	258.3	303.9	366.4	426.8	452.3	460.1	467.3	472.7
42.5°	181.9	184.8	199.6	231.2	279.0	348.7	424.6	464.4	474.0	483.9	492.0
45°	154.2	154.8	170.9	201.5	251.6	325.9	417.1	475.9	489.0	503.0	514.5
47.5°	127.7	128.8	142.7	173.0	223.2	300.2	403.5	485.0	505.9	523.9	540.8
50°	104.1	105.4	118.0	145.1	194.8	272.0	384.9	490.4	520.4	544.8	568.4
52.5°	84.8	86.4	96.8	120.7	166.1	242.5	362.1	491.2	533.6	565.8	597.1
55°	70.6	71.6	79.7	98.7	138.4	211.9	336.1	487.2	542.1	584.5	626.4
57.5°	59.6	60.6	66.3	81.3	113.5	180.5	304.5	477.8	546.7	600.9	655.9
60°	51.8	52.6	56.6	67.3	93.4	151.0	270.4	461.1	545.4	611.1	680.3
62.5°	46.1	46.4	49.9	57.4	77.0	123.1	232.0	436.2	534.4	612.4	696.9
65°	41.0	41.3	43.5	48.8	63.3	99.0	192.1	401.8	513.4	603.0	699.3
67.5°	33.3	33.8	37.0	41.0	52.0	78.3	151.3	356.8	480.7	578.6	685.7
70°	26.6	26.8	30.0	34.6	42.4	61.7	116.2	296.2	429.5	538.9	650.3
72.5°	19.9	20.4	23.3	27.9	34.6	47.7	84.0	224.0	343.4	454.4	566.3
75°	15.8	16.1	17.2	21.5	26.8	36.2	56.6	135.7	206.8	281.1	347.1
77.5°	13.4	13.7	13.7	16.6	19.9	24.4	30.0	53.9	87.5	124.5	165.0
80°	11.0	11.5	10.5	12.3	14.2	14.2	13.9	25.8	41.3	58.5	76.7
82.5°	8.0	8.6	8.0	8.6	8.6	7.8	7.2	9.7	13.1	18.0	19.6
85°	5.6	5.9	6.4	5.9	5.6	4.6	3.5	2.7	1.6	1.9	2.7
87.5°	3.8	4.6	5.4	5.1	4.3	3.5	2.4	1.6	0.8	1.1	1.1
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°	361.1	361.1	361.1
2.5°	361.3	361.1	360.8
5°	362.7	362.4	362.1
7.5°	364.6	364.6	364.6
10°	367.5	368.0	368.0
12.5°	371.3	371.8	371.8
15°	375.8	376.1	376.6
17.5°	381.5	381.7	381.7
20°	388.2	387.9	388.4
22.5°	394.9	394.9	394.9
25°	401.8	401.8	401.8
27.5°	409.9	409.9	409.4
30°	418.7	418.7	418.7
32.5°	429.5	429.7	430.0
35°	443.2	443.7	444.5
37.5°	458.7	460.1	460.9
40°	477.2	477.8	479.1
42.5°	497.9	499.5	499.8
45°	523.6	526.3	527.4
47.5°	553.9	557.7	559.6
50°	587.7	592.0	594.7
52.5°	624.5	631.5	634.7
55°	663.7	675.7	679.2
57.5°	707.9	724.3	729.1
60°	751.4	774.5	782.2
62.5°	788.4	820.9	830.5
65°	814.4	853.6	867.8
67.5°	819.8	866.2	883.1
70°	787.6	835.1	854.7
72.5°	684.9	727.8	752.2
75°	404.5	435.4	427.9
77.5°	203.1	211.9	213.3
80°	89.1	94.4	96.6
82.5°	22.0	22.5	25.5
85°	3.0	3.5	3.2
87.5°	1.1	1.1	1.3
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

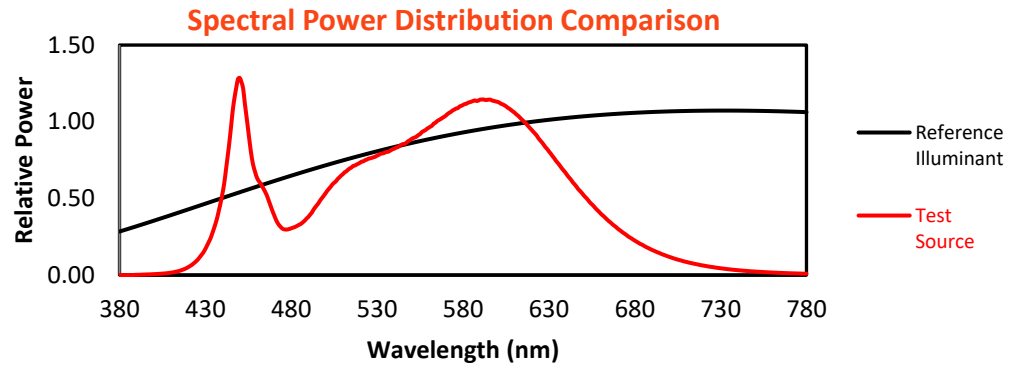
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	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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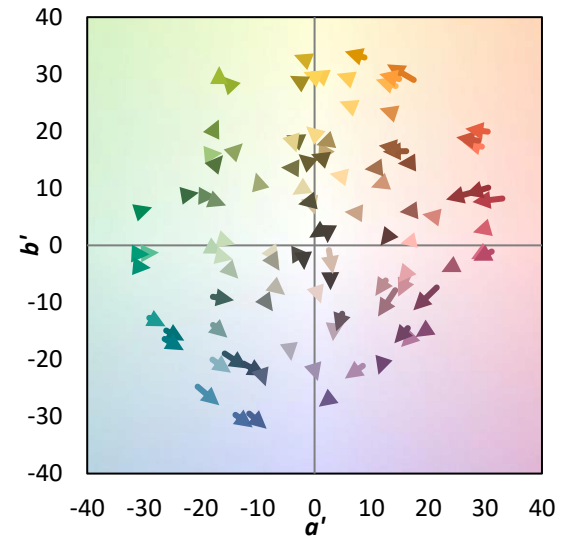
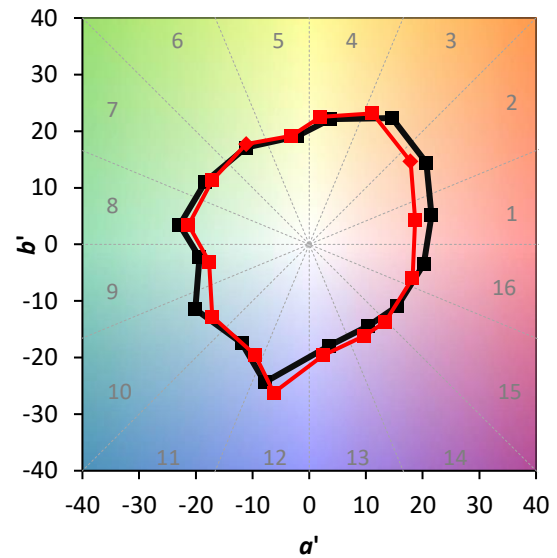
TM-30-18

Summary

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

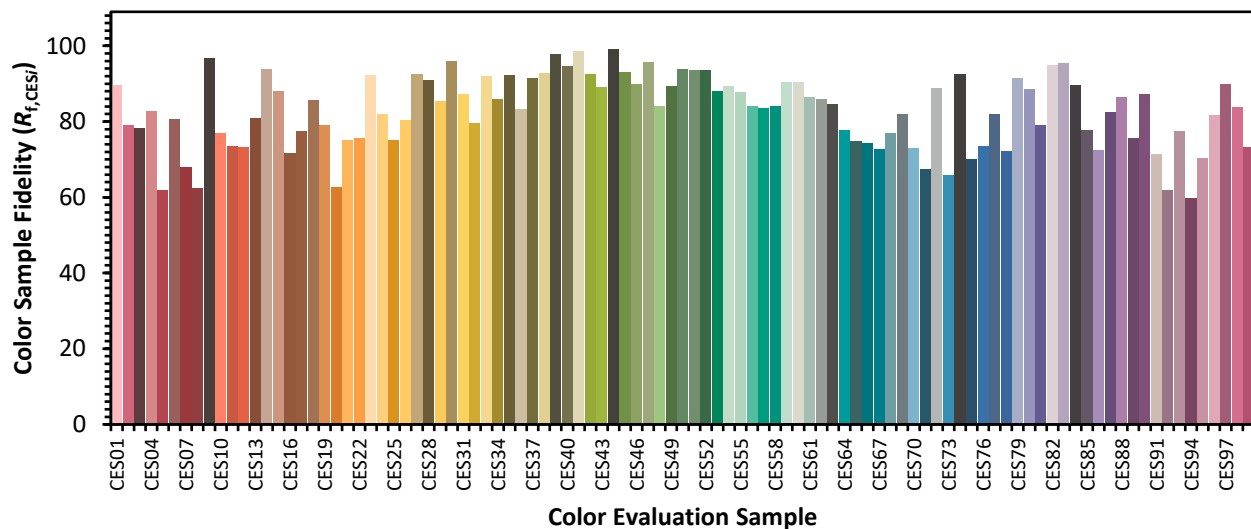


Color Vector Graphics



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

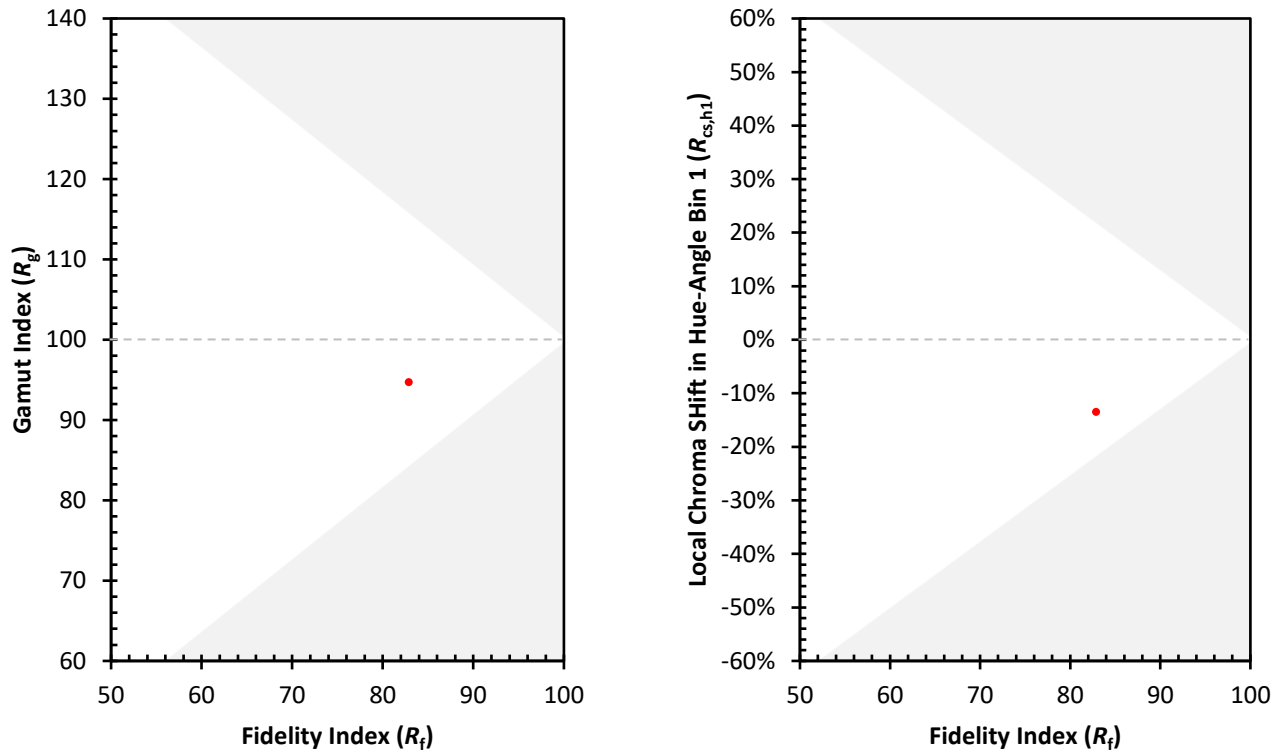
CES01 = 85	CES26 = 80	CES51 = 94	CES76 = 73
CES02 = 61	CES27 = 93	CES52 = 94	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 88	CES78 = 72
CES04 = 70	CES29 = 85	CES54 = 89	CES79 = 91
CES05 = 48	CES30 = 96	CES55 = 88	CES80 = 89
CES06 = 50	CES31 = 87	CES56 = 84	CES81 = 79
CES07 = 40	CES32 = 80	CES57 = 83	CES82 = 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)