

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: P972434

Luminaire Tested: **GKO-PB1C-750-U-T1**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972434
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-750-U-T1
Description: GEKKO WALL PACK 2500LM PACKAGE 70CRI 5000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2703.2 lumens
Efficiency: N/A
Efficacy: 159.0 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

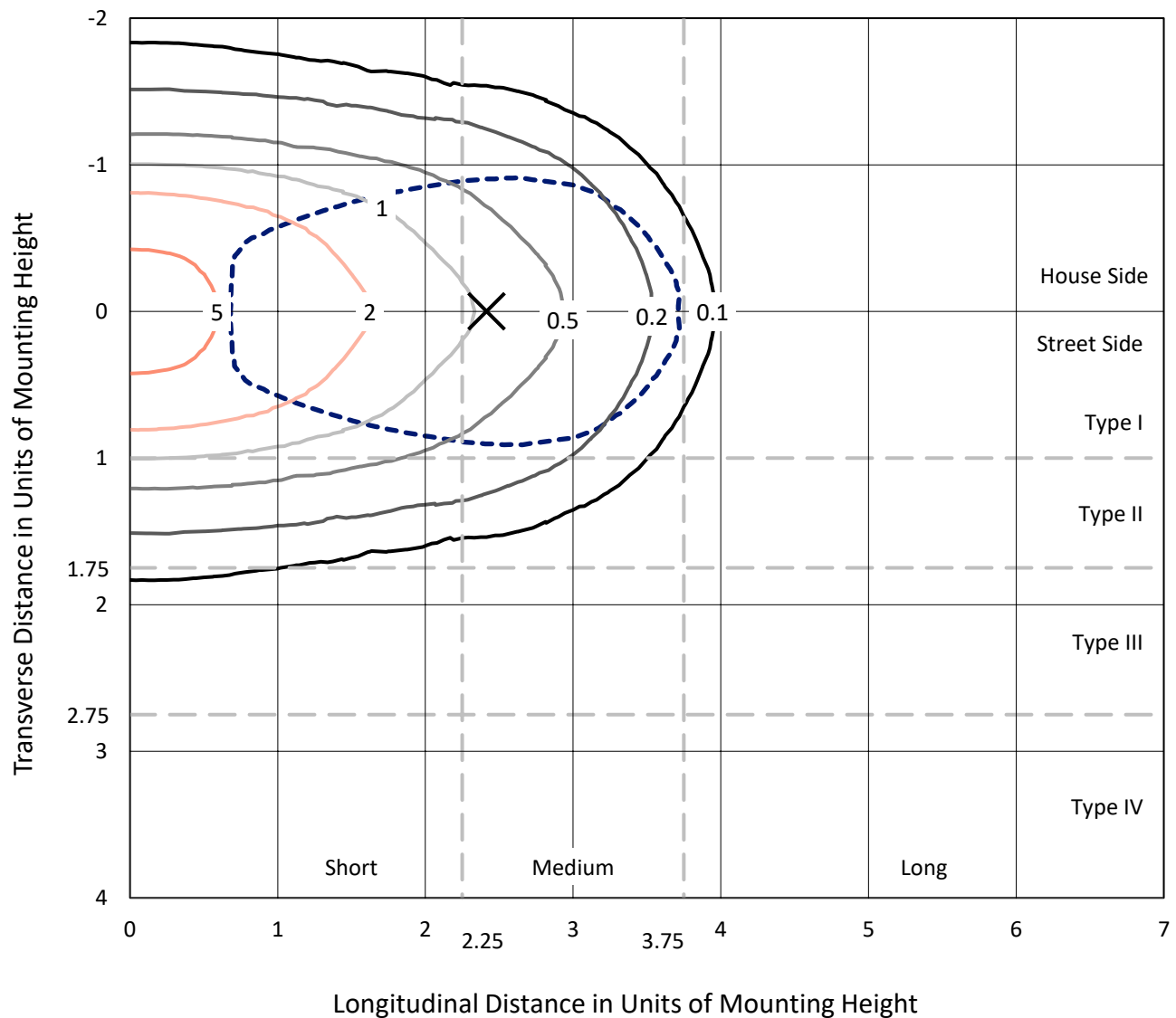
Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 13%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

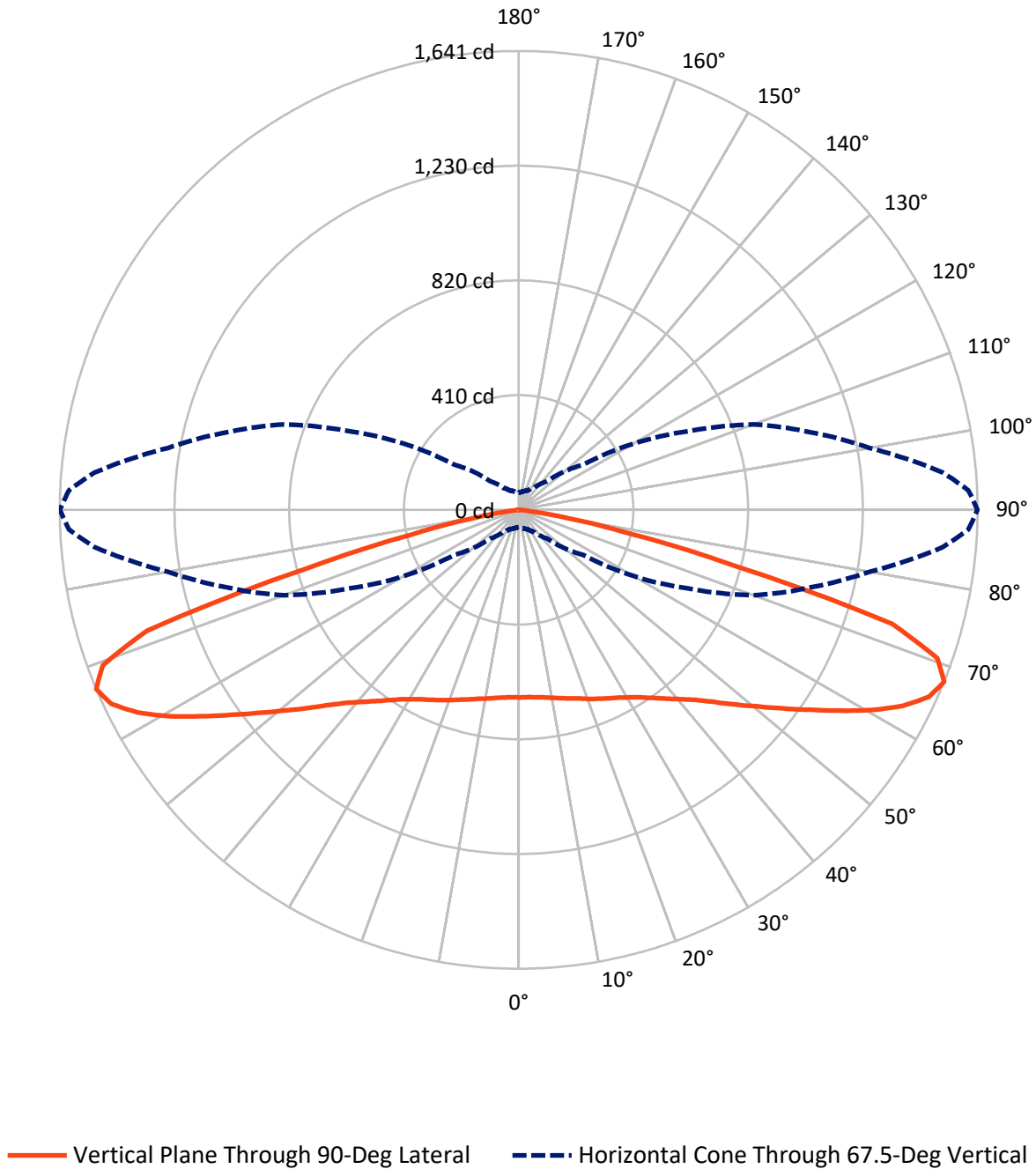


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type I - Short - N/A

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CATALOG NUMBER: GKO-PB1C-750-U-T1

Luminous Intensity Polar Plot



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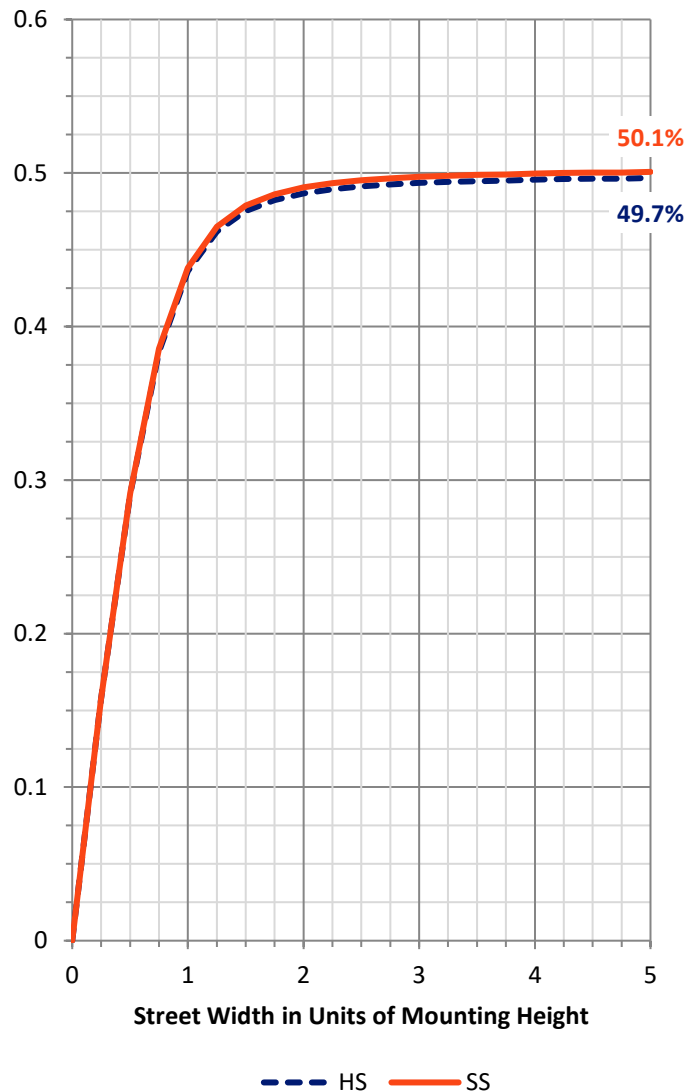
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1351.6	0.0	1351.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1351.6	0.0	1351.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2703.2	0.0	2703.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	2.4
10°-20°	193.9	7.2
20°-30°	322.4	11.9
30°-40°	428.2	15.8
40°-50°	482.8	17.9
50°-60°	496.4	18.4
60°-70°	469.1	17.4
70°-80°	229.7	8.5
80°-90°	16.4	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°	2703.2	100.0
0°-180°	2703.2	100.0

Coefficient of Utilization



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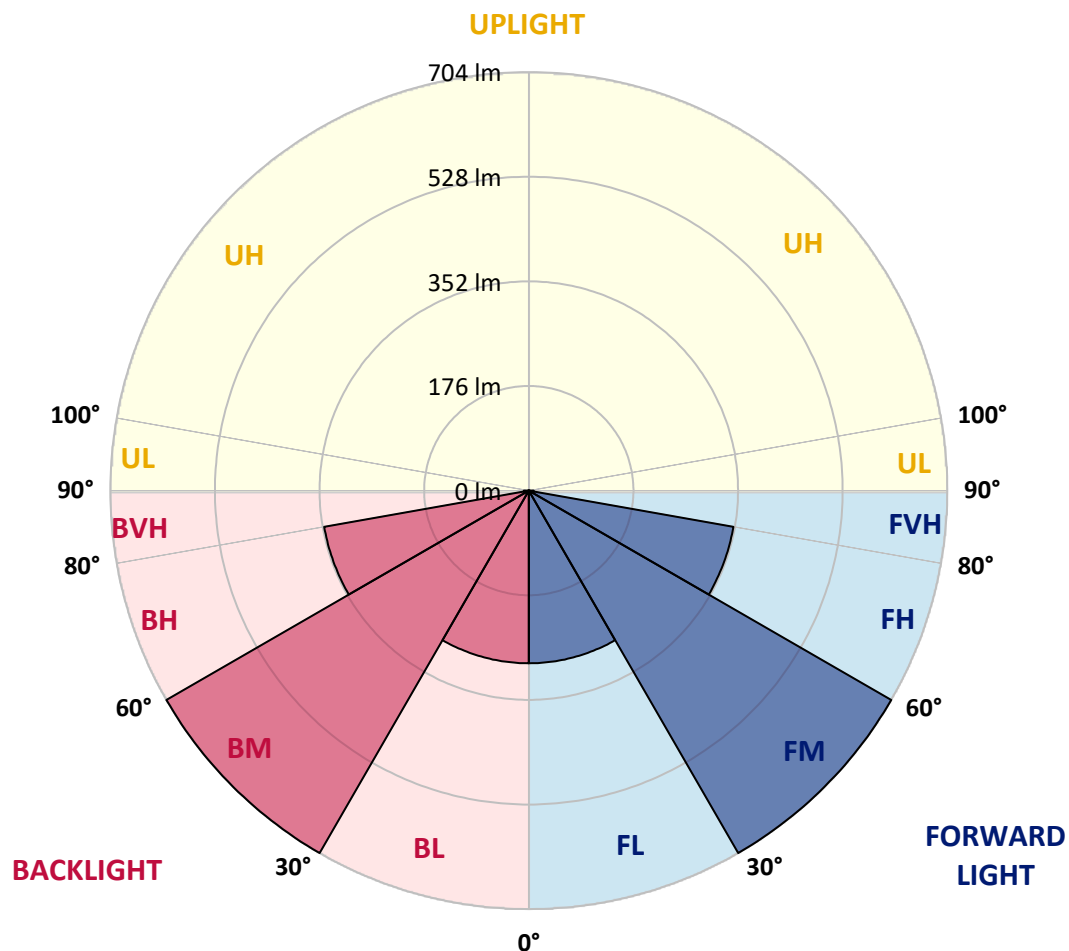
CATALOG NUMBER: GKO-PB1C-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.3	10.7			
FM	(30°-60°)	703.7	26.0			
FH	(60°-80°)	349.4	12.9			G0/660
FVH	(80°-90°)	8.2	0.3			G0/10
BL	(0°-30°)	290.3	10.7	B1/500		
BM	(30°-60°)	703.7	26.0	B1/1000		
BH	(60°-80°)	349.4	12.9	B1/500		G1/500
BVH	(80°-90°)	8.2	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°	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8
2.5°	671.3	672.3	670.3	670.3	671.3	671.8	671.8	672.3	671.3	671.3	670.8
5°	671.3	671.8	670.8	670.8	671.8	673.3	672.8	673.8	673.8	673.3	673.3
7.5°	670.8	671.8	670.8	671.3	672.8	675.8	675.8	675.8	676.8	677.8	677.8
10°	670.3	671.3	671.8	672.3	674.3	678.8	679.8	680.2	681.7	683.2	683.2
12.5°	667.8	668.8	670.3	672.3	675.8	681.7	683.7	685.2	687.7	689.2	690.2
15°	664.3	664.8	668.3	672.3	677.8	685.2	689.2	691.7	695.2	697.2	698.7
17.5°	659.3	659.8	665.3	671.3	679.3	689.7	696.2	700.2	703.7	706.7	708.7
20°	652.8	654.3	660.8	670.3	681.7	694.2	703.7	710.6	714.1	717.1	720.1
22.5°	644.9	646.4	654.3	667.8	684.2	700.2	712.6	721.6	726.1	730.1	733.6
25°	632.9	634.9	644.4	661.8	685.2	706.7	722.6	734.1	738.1	743.0	746.0
27.5°	614.5	616.0	627.4	649.8	682.2	713.6	734.1	747.5	752.0	757.5	760.5
30°	585.6	588.6	602.5	630.4	674.8	719.1	747.5	761.0	766.5	771.9	775.9
32.5°	548.2	552.7	568.1	604.0	660.3	721.1	762.0	777.4	784.4	790.4	795.4
35°	501.8	506.3	524.8	570.1	637.4	717.1	776.4	796.4	804.8	812.8	818.8
37.5°	449.0	453.0	475.4	527.3	604.5	704.7	787.9	817.3	828.8	839.2	847.2
40°	395.7	400.2	424.6	479.9	564.6	680.7	792.9	840.2	854.7	868.1	878.1
42.5°	337.9	343.4	370.8	429.6	518.3	647.9	788.9	862.6	880.6	899.0	914.0
45°	286.6	287.5	317.4	374.3	467.5	605.5	774.9	884.1	908.5	934.4	955.8
47.5°	237.2	239.2	265.1	321.4	414.6	557.7	749.5	901.0	939.9	973.3	1004.7
50°	193.4	195.9	219.3	269.6	361.8	505.3	715.1	911.0	966.8	1012.2	1056.0
52.5°	157.5	160.5	179.9	224.3	308.5	450.5	672.8	912.5	991.2	1051.0	1109.3
55°	131.1	133.1	148.0	183.4	257.1	393.7	624.4	905.0	1007.2	1085.9	1163.6
57.5°	110.6	112.6	123.1	151.0	210.8	335.4	565.6	887.6	1015.6	1116.3	1218.5
60°	96.2	97.7	105.2	125.1	173.4	280.6	502.3	856.7	1013.1	1135.2	1263.8
62.5°	85.7	86.2	92.7	106.6	143.0	228.7	431.1	810.3	992.7	1137.7	1294.7
65°	76.2	76.7	80.7	90.7	117.6	183.9	356.8	746.5	953.8	1120.3	1299.2
67.5°	61.8	62.8	68.8	76.2	96.7	145.5	281.1	662.8	893.0	1074.9	1273.8
70°	49.3	49.8	55.8	64.3	78.7	114.6	215.8	550.2	797.9	1001.2	1208.0
72.5°	36.9	37.9	43.4	51.8	64.3	88.7	156.0	416.1	637.9	844.2	1052.0
75°	29.4	29.9	31.9	39.9	49.8	67.3	105.2	252.2	384.2	522.3	644.9
77.5°	24.9	25.4	25.4	30.9	36.9	45.3	55.8	100.2	162.5	231.2	306.5
80°	20.4	21.4	19.4	22.9	26.4	26.4	25.9	47.8	76.7	108.6	142.5
82.5°	15.0	15.9	15.0	15.9	15.9	14.5	13.5	17.9	24.4	33.4	36.4
85°	10.5	11.0	12.0	11.0	10.5	8.5	6.5	5.0	3.0	3.5	5.0
87.5°	7.0	8.5	10.0	9.5	8.0	6.5	4.5	3.0	1.5	2.0	2.0
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°	670.8	670.8	670.8
2.5°	671.3	670.8	670.3
5°	673.8	673.3	672.8
7.5°	677.3	677.3	677.3
10°	682.7	683.7	683.7
12.5°	689.7	690.7	690.7
15°	698.2	698.7	699.7
17.5°	708.7	709.2	709.2
20°	721.1	720.6	721.6
22.5°	733.6	733.6	733.6
25°	746.5	746.5	746.5
27.5°	761.5	761.5	760.5
30°	777.9	777.9	777.9
32.5°	797.9	798.4	798.9
35°	823.3	824.3	825.8
37.5°	852.2	854.7	856.2
40°	886.6	887.6	890.1
42.5°	924.9	927.9	928.4
45°	972.8	977.8	979.8
47.5°	1029.1	1036.1	1039.6
50°	1091.9	1099.9	1104.8
52.5°	1160.2	1173.1	1179.1
55°	1232.9	1255.3	1261.8
57.5°	1315.1	1345.5	1354.5
60°	1395.9	1438.7	1453.2
62.5°	1464.7	1525.0	1542.9
65°	1513.0	1585.8	1612.2
67.5°	1523.0	1609.2	1640.6
70°	1463.2	1551.4	1587.7
72.5°	1272.3	1352.0	1397.4
75°	751.5	808.8	794.9
77.5°	377.3	393.7	396.2
80°	165.5	175.4	179.4
82.5°	40.9	41.9	47.3
85°	5.5	6.5	6.0
87.5°	2.0	2.0	2.5
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: SP2-2501-321-5

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-750-U-T4W

Data in this report applies to families of products including GKO-PB1E-750-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-5
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP2 - 165CM SPHERE
 Measurement Geometry: 4π
 Issue Date: 04/10/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1E-750-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	5105	CRI (Ra):	72.2		
CIE u':	0.2079	R1:	68.8	R9:	-38.2
CIE v':	0.4868	R2:	78.3	R10:	48.2
Duv:	0.0035	R3:	84.9	R11:	68.1
CIE x:	0.3428	R4:	71.7	R12:	42.9
CIE y:	0.3567	R5:	69.8	R13:	70.6
CIE z:	0.3005	R6:	69.8	R14:	91.6
Peak Wavelength (nm):	451	R7:	81.2	R15:	61.7
Dominant Wavelength (nm):	567	R8:	53.5		
Purity:	9.884628				
Rf:	74.2				
Rg:	92.7				



Test Conditions

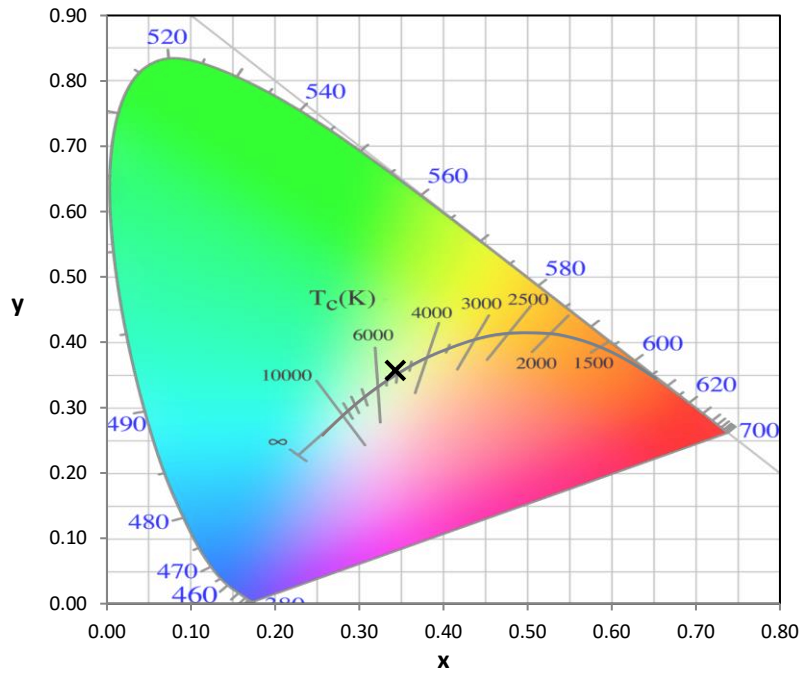
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.0

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Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

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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 [^] /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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.82

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.75

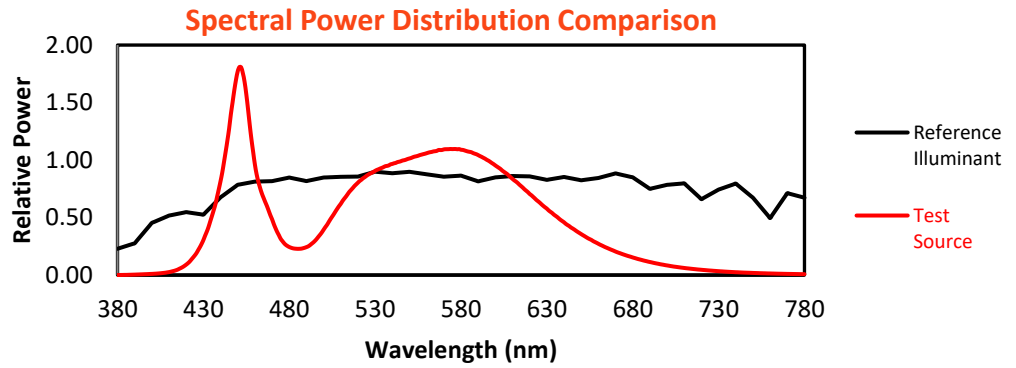
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

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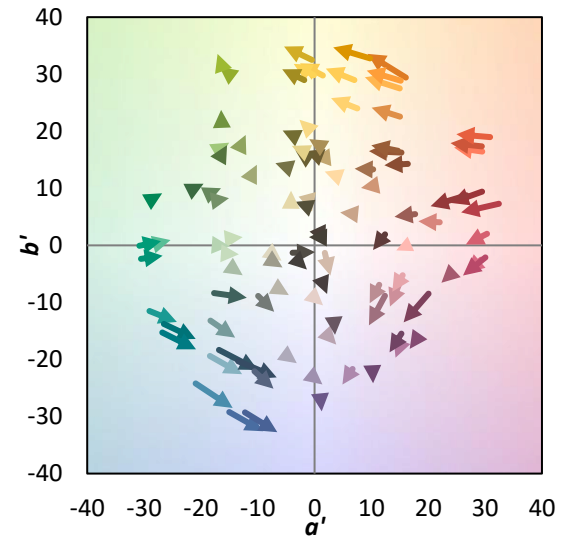
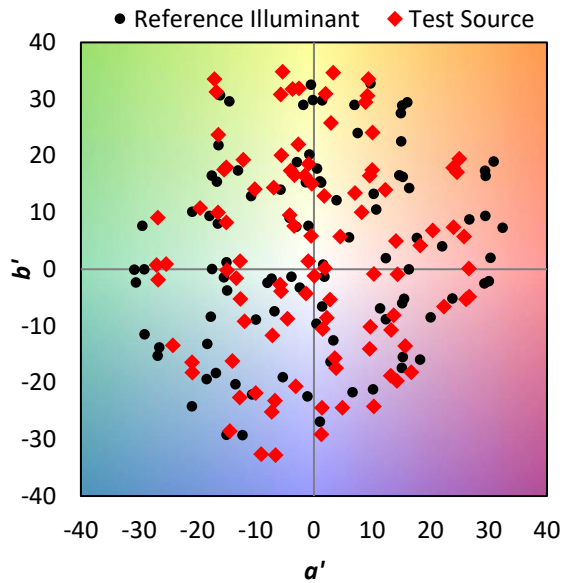
TM-30-18

Summary

$R_f = 74.2$
 $R_g = 92.7$
 $\text{CIE } R_a = 72.2$
 $R_g = -38.2$



Color Vector Graphics



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

CES01 = 85	CES26 = 63	CES51 = 89	CES76 = 51
CES02 = 59	CES27 = 89	CES52 = 89	CES77 = 68
CES03 = 30	CES28 = 81	CES53 = 79	CES78 = 54
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 79
CES07 = 38	CES32 = 63	CES57 = 73	CES82 = 91
CES08 = 38	CES33 = 82	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 78
CES11 = 56	CES36 = 88	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 73
CES15 = 70	CES40 = 91	CES65 = 61	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 72
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 58
CES18 = 55	CES43 = 79	CES68 = 64	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 73	CES94 = 53
CES20 = 63	CES45 = 87	CES70 = 56	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 90	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 47	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 50	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)