

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: P972433

Luminaire Tested: **GKO-PB1D-750-U-T1**

Issue Date: 02/27/2025

Test Information

Test Method: LM-79-08
Report Number: P972433
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-750-U-T1
Description: GEKKO WALL PACK 3500LM 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: 3836 lumens
Efficiency: N/A
Efficacy: 149.8 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

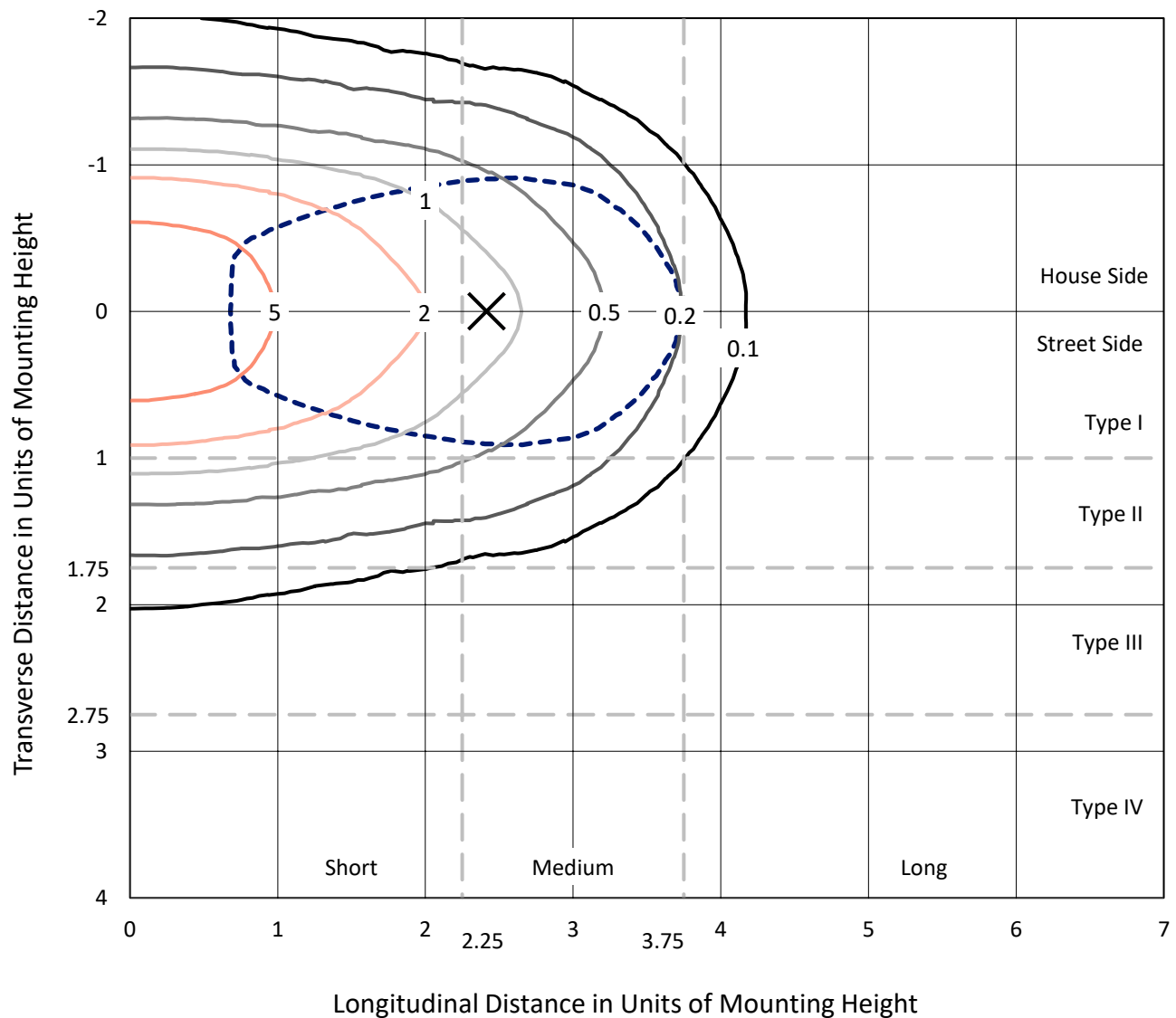
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

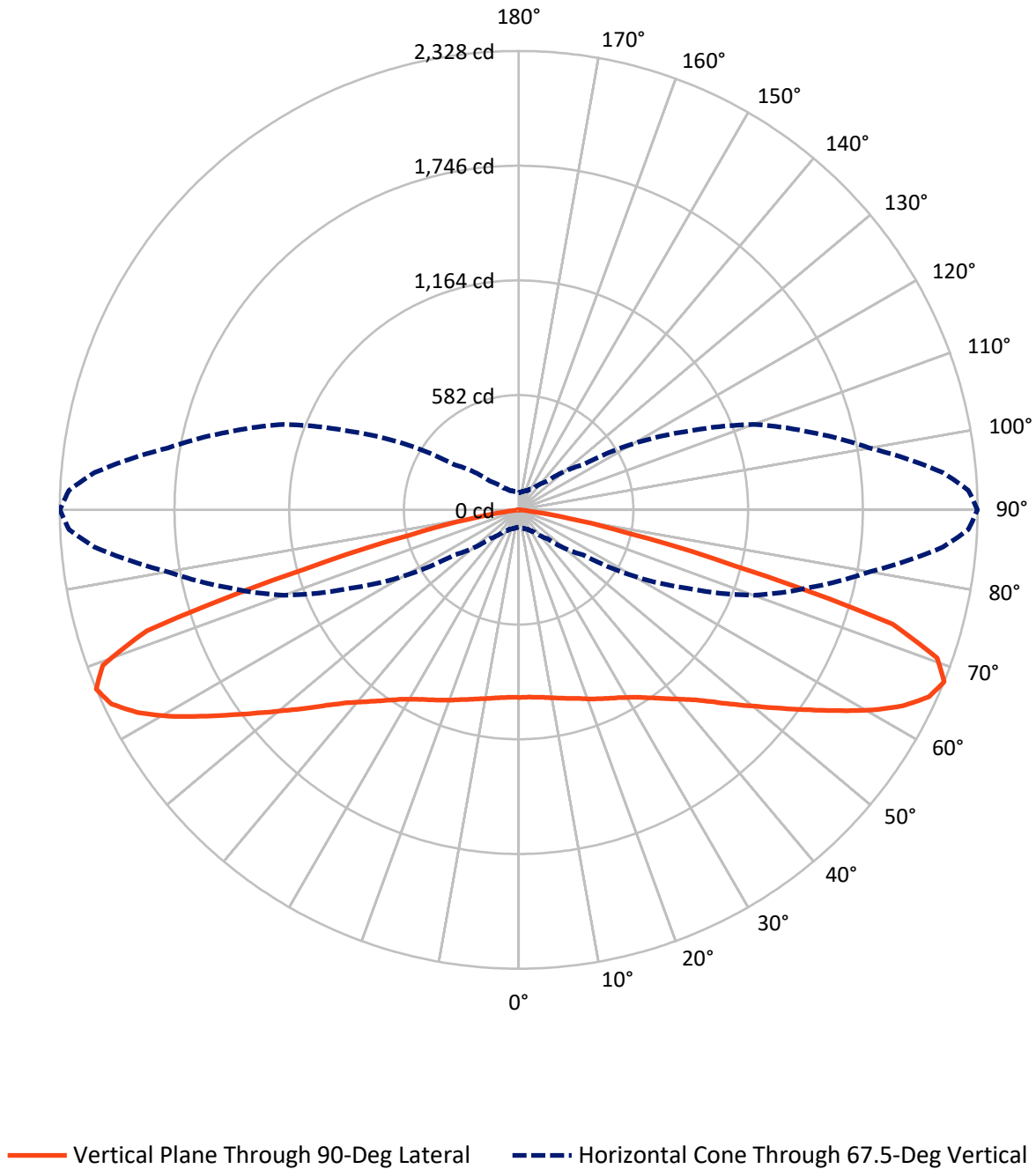


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GKO-PB1D-750-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1918.0	0.0	1918.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1918.0	0.0	1918.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3836.0	0.0	3836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	2.4
10°-20°	275.1	7.2
20°-30°	457.4	11.9
30°-40°	607.7	15.8
40°-50°	685.1	17.9
50°-60°	704.5	18.4
60°-70°	665.7	17.4
70°-80°	325.9	8.5
80°-90°	23.3	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°	3836.0	100.0
0°-180°	3836.0	100.0

Coefficient of Utilization



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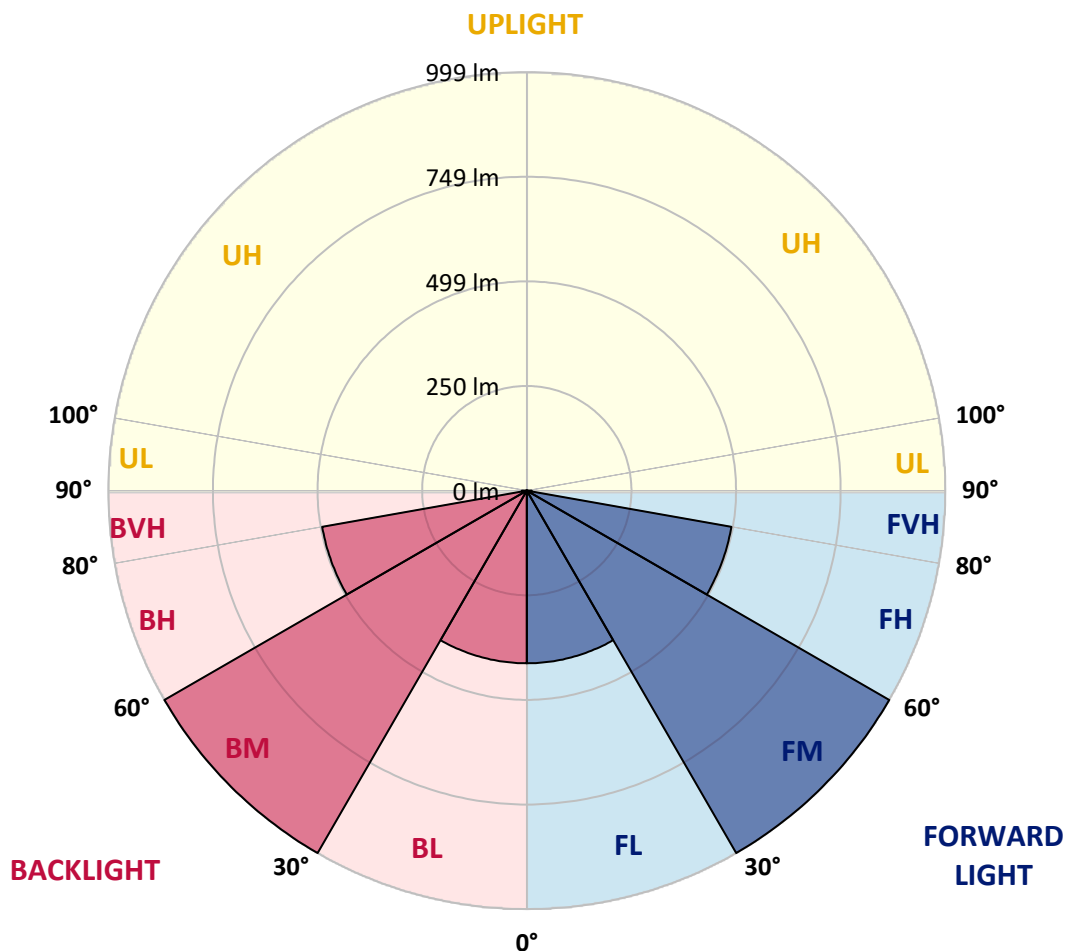
CATALOG NUMBER: GKO-PB1D-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.9	10.7			
FM	(30°-60°)	998.6	26.0			
FH	(60°-80°)	495.8	12.9			G0/660
FVH	(80°-90°)	11.7	0.3			G1/100
BL	(0°-30°)	411.9	10.7	B1/500		
BM	(30°-60°)	998.6	26.0	B1/1000		
BH	(60°-80°)	495.8	12.9	B1/500		G1/500
BVH	(80°-90°)	11.7	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°	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9
2.5°	952.6	954.0	951.2	951.2	952.6	953.3	953.3	954.0	952.6	952.6	951.9
5°	952.6	953.3	951.9	951.9	953.3	955.4	954.7	956.1	956.1	955.4	955.4
7.5°	951.9	953.3	951.9	952.6	954.7	958.9	958.9	958.9	960.4	961.8	961.8
10°	951.2	952.6	953.3	954.0	956.8	963.2	964.6	965.3	967.4	969.5	969.5
12.5°	947.6	949.0	951.2	954.0	958.9	967.4	970.3	972.4	975.9	978.0	979.4
15°	942.7	943.4	948.3	954.0	961.8	972.4	978.0	981.6	986.5	989.3	991.5
17.5°	935.6	936.3	944.1	952.6	963.9	978.7	987.9	993.6	998.5	1002.8	1005.6
20°	926.4	928.5	937.7	951.2	967.4	985.1	998.5	1008.4	1013.4	1017.6	1021.9
22.5°	915.1	917.2	928.5	947.6	971.0	993.6	1011.3	1024.0	1030.4	1036.0	1041.0
25°	898.1	900.9	914.4	939.1	972.4	1002.8	1025.4	1041.7	1047.3	1054.4	1058.7
27.5°	872.0	874.1	890.3	922.2	968.1	1012.7	1041.7	1060.8	1067.1	1074.9	1079.2
30°	830.9	835.2	855.0	894.6	957.5	1020.5	1060.8	1079.9	1087.6	1095.4	1101.1
32.5°	777.9	784.3	806.2	857.1	937.0	1023.3	1081.3	1103.2	1113.1	1121.6	1128.7
35°	712.1	718.5	744.7	809.0	904.5	1017.6	1101.8	1130.1	1142.1	1153.4	1161.9
37.5°	637.2	642.8	674.7	748.2	857.8	1000.0	1118.1	1159.8	1176.0	1190.9	1202.2
40°	561.5	567.9	602.5	681.0	801.2	966.0	1125.1	1192.3	1212.8	1231.9	1246.1
42.5°	479.5	487.2	526.1	609.6	735.5	919.3	1119.5	1224.1	1249.6	1275.8	1297.0
45°	406.6	408.0	450.5	531.1	663.3	859.2	1099.7	1254.5	1289.2	1326.0	1356.4
47.5°	336.6	339.4	376.2	456.1	588.4	791.3	1063.6	1278.6	1333.7	1381.1	1425.7
50°	274.4	277.9	311.2	382.6	513.4	717.1	1014.8	1292.7	1371.9	1436.3	1498.5
52.5°	223.5	227.7	255.3	318.2	437.7	639.3	954.7	1294.8	1406.6	1491.4	1574.2
55°	186.0	188.8	210.0	260.2	364.9	558.7	886.1	1284.2	1429.2	1540.9	1651.3
57.5°	157.0	159.8	174.7	214.3	299.1	475.9	802.7	1259.5	1441.2	1584.1	1729.1
60°	136.5	138.6	149.2	177.5	246.1	398.1	712.8	1215.6	1437.7	1611.0	1793.4
62.5°	121.6	122.3	131.5	151.3	203.0	324.6	611.7	1149.9	1408.7	1614.5	1837.3
65°	108.2	108.9	114.6	128.7	166.9	260.9	506.3	1059.4	1353.5	1589.7	1843.6
67.5°	87.7	89.1	97.6	108.2	137.2	206.5	398.9	940.6	1267.3	1525.4	1807.6
70°	70.0	70.7	79.2	91.2	111.7	162.7	306.2	780.7	1132.2	1420.7	1714.2
72.5°	52.3	53.7	61.5	73.5	91.2	125.9	221.3	590.5	905.2	1198.0	1492.9
75°	41.7	42.4	45.3	56.6	70.7	95.5	149.2	357.8	545.2	741.1	915.1
77.5°	35.4	36.1	36.1	43.8	52.3	64.4	79.2	142.1	230.5	328.1	434.9
80°	29.0	30.4	27.6	32.5	37.5	37.5	36.8	67.9	108.9	154.2	202.3
82.5°	21.2	22.6	21.2	22.6	22.6	20.5	19.1	25.5	34.7	47.4	51.6
85°	14.9	15.6	17.0	15.6	14.9	12.0	9.2	7.1	4.2	5.0	7.1
87.5°	9.9	12.0	14.1	13.4	11.3	9.2	6.4	4.2	2.1	2.8	2.8
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°	951.9	951.9	951.9
2.5°	952.6	951.9	951.2
5°	956.1	955.4	954.7
7.5°	961.1	961.1	961.1
10°	968.8	970.3	970.3
12.5°	978.7	980.2	980.2
15°	990.8	991.5	992.9
17.5°	1005.6	1006.3	1006.3
20°	1023.3	1022.6	1024.0
22.5°	1041.0	1041.0	1041.0
25°	1059.4	1059.4	1059.4
27.5°	1080.6	1080.6	1079.2
30°	1103.9	1103.9	1103.9
32.5°	1132.2	1132.9	1133.6
35°	1168.3	1169.7	1171.8
37.5°	1209.3	1212.8	1214.9
40°	1258.1	1259.5	1263.0
42.5°	1312.5	1316.8	1317.5
45°	1380.4	1387.5	1390.3
47.5°	1460.3	1470.2	1475.2
50°	1549.4	1560.7	1567.8
52.5°	1646.3	1664.7	1673.2
55°	1749.6	1781.4	1790.6
57.5°	1866.3	1909.4	1922.1
60°	1980.8	2041.6	2062.1
62.5°	2078.4	2164.0	2189.4
65°	2147.0	2250.3	2287.7
67.5°	2161.1	2283.5	2328.0
70°	2076.3	2201.5	2253.1
72.5°	1805.4	1918.6	1982.9
75°	1066.4	1147.8	1128.0
77.5°	535.3	558.7	562.2
80°	234.8	248.9	254.6
82.5°	58.0	59.4	67.2
85°	7.8	9.2	8.5
87.5°	2.8	2.8	3.5
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

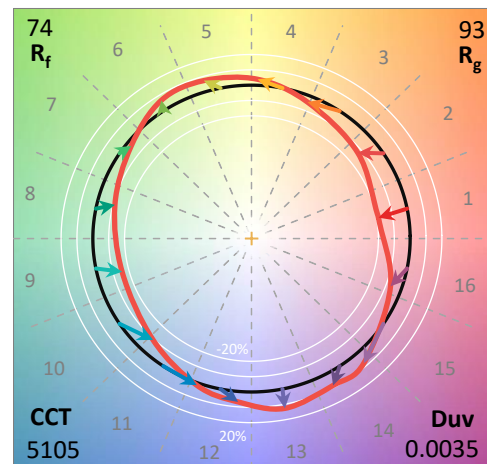
Data in this report applies to families of products including GKO-PB1E-750-U-T4W

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 $\text{W}^\wedge/\text{nm}$	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	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

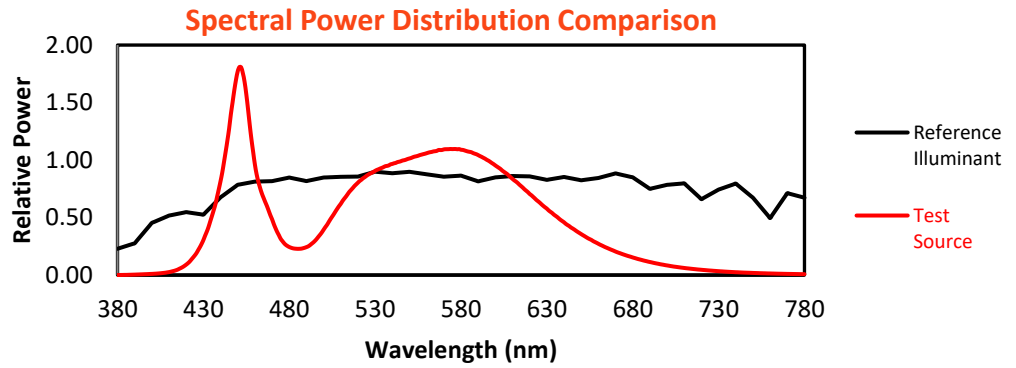
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	134	NR	620	390	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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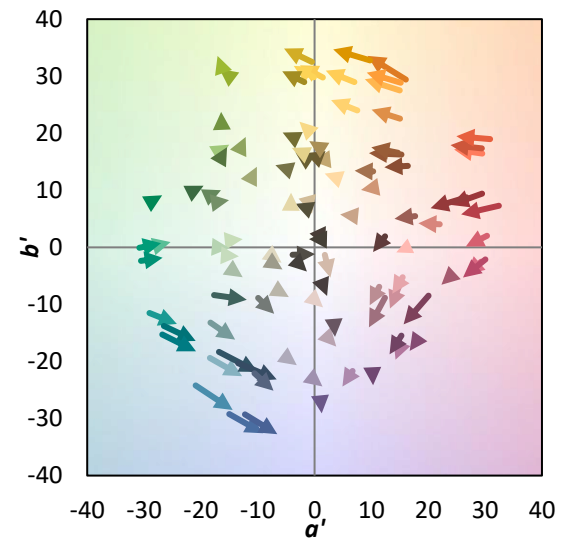
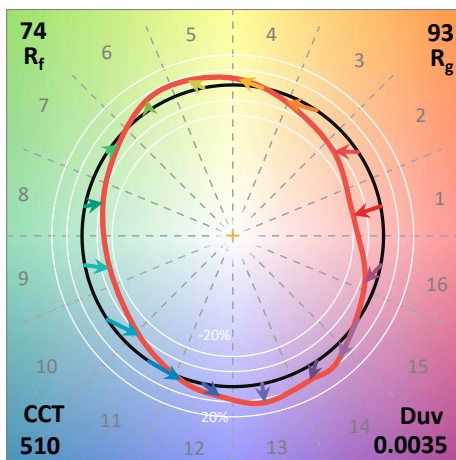
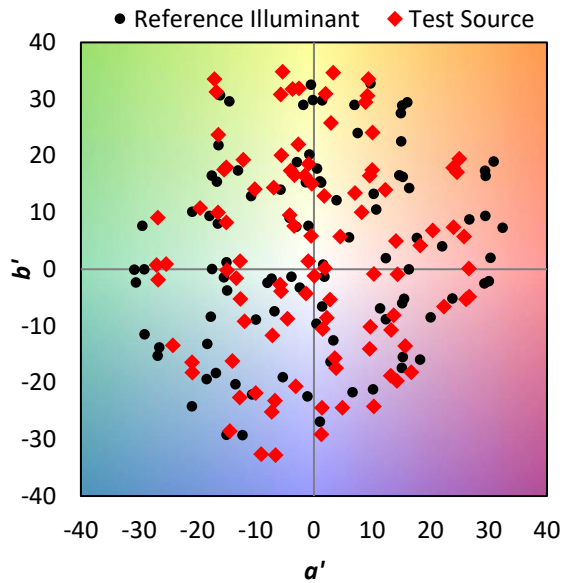
TM-30-18

Summary

$R_f = 74.2$
 $R_g = 92.7$
 $CIE R_a = 72.2$
 $R_g = -38.2$

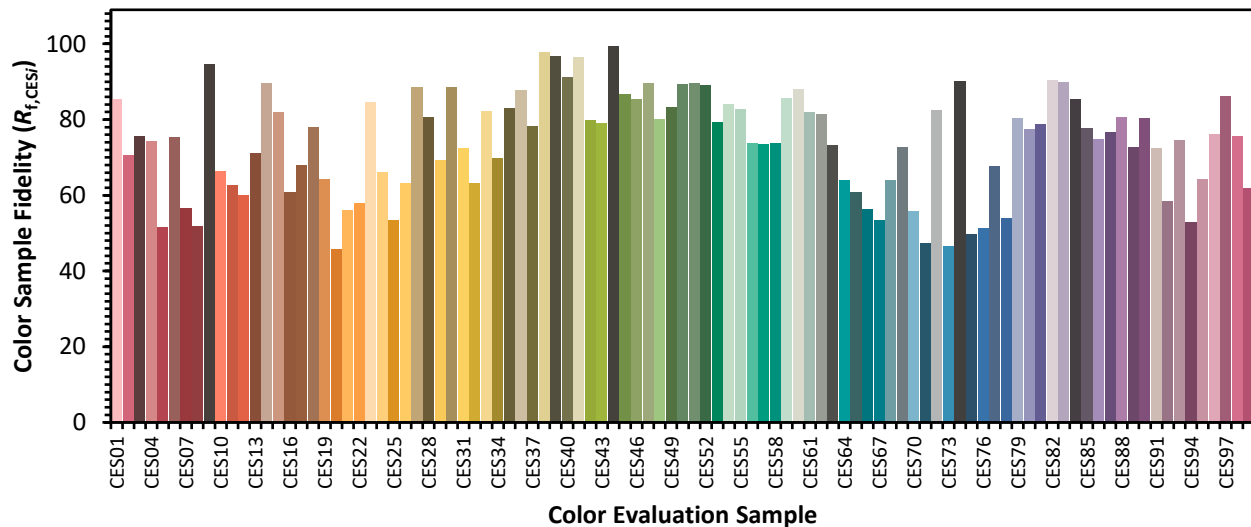


Color Vector Graphics

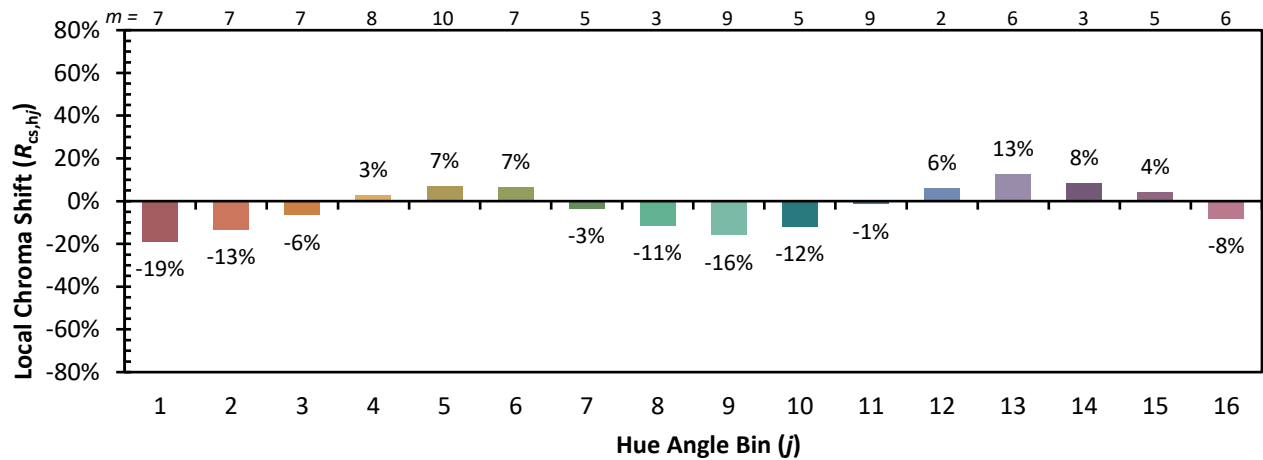


Individual Sample Fidelity Index ($R_{f,i}$)

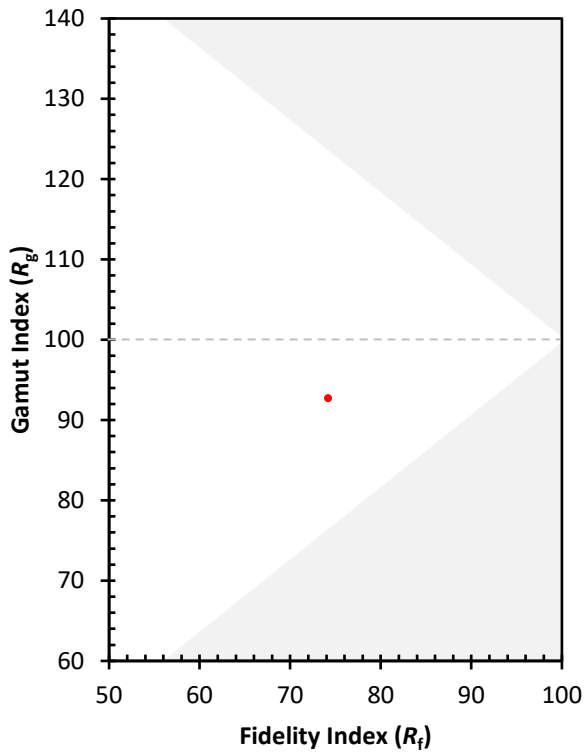
CES01 = 85	CES26 = 63	CES51 = 89	CES76 = 51
CES02 = 59	CES27 = 89	CES52 = 89	CES77 = 68
CES03 = 30	CES28 = 81	CES53 = 79	CES78 = 54
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 79
CES07 = 38	CES32 = 63	CES57 = 73	CES82 = 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)