

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: P972221

Luminaire Tested: **GKO-PB2A-730-U-T4W**

Issue Date: 02/27/2025

Test Information

Test Method: LM-79-08
Report Number: P972221
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-730-U-T4W
Description: GEKKO WALL PACK 4000LM PACKAGE 70CRI 3000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3814.5 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

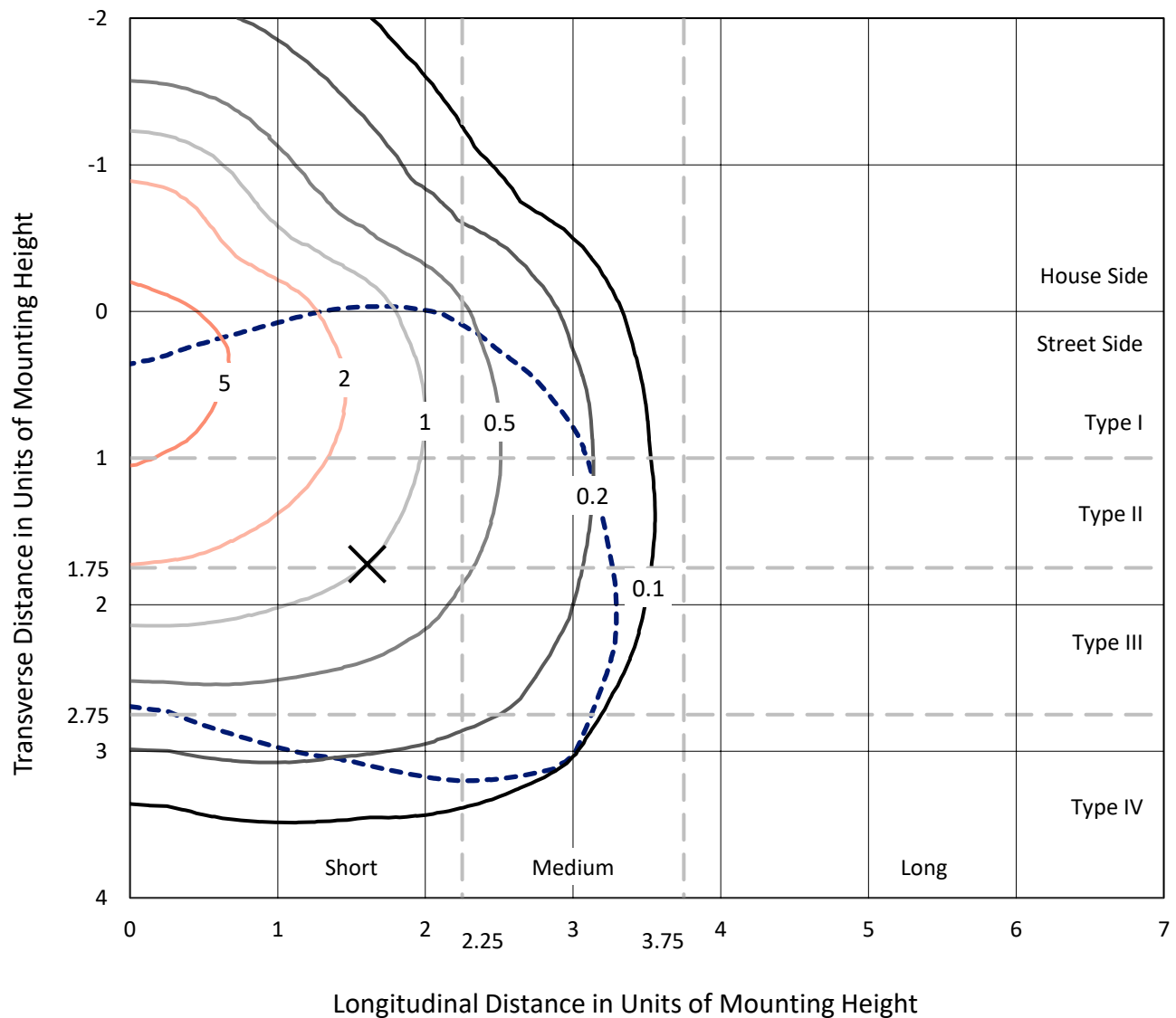
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 12%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

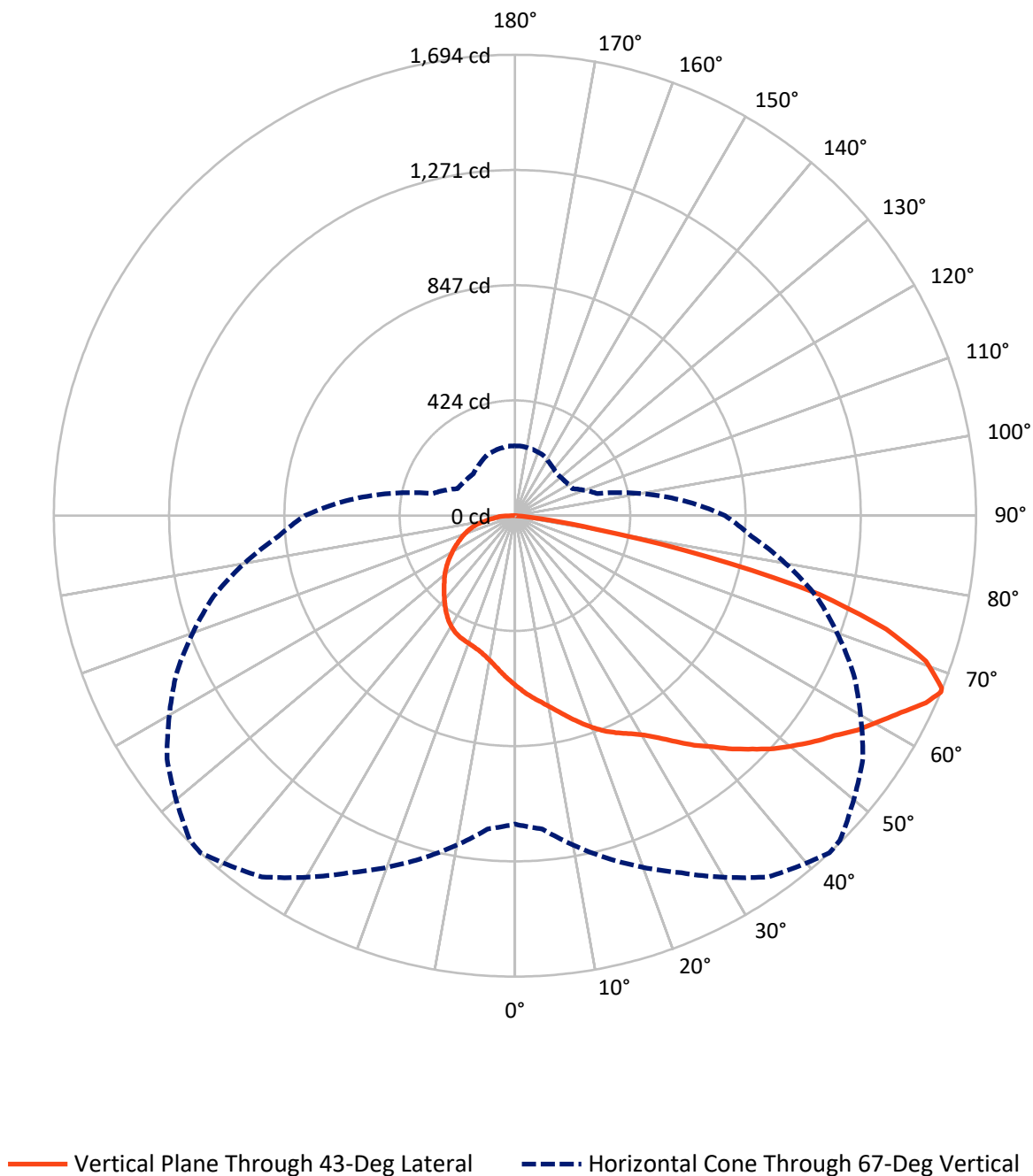


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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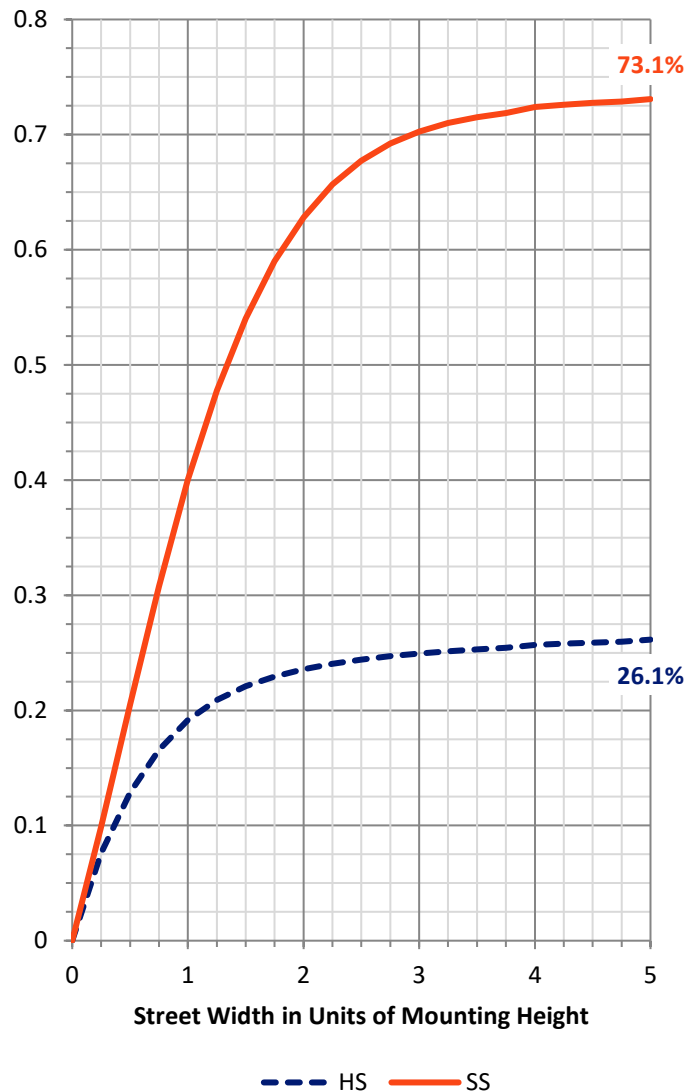
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1026.0	0.0	1026.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2788.5	0.0	2788.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	3814.5	0.0	3814.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.6
10°-20°	183.9	4.8
20°-30°	318.5	8.3
30°-40°	472.6	12.4
40°-50°	642.0	16.8
50°-60°	788.1	20.7
60°-70°	830.6	21.8
70°-80°	458.5	12.0
80°-90°	60.4	1.6
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°	3814.5	100.0
0°-180°	3814.5	100.0



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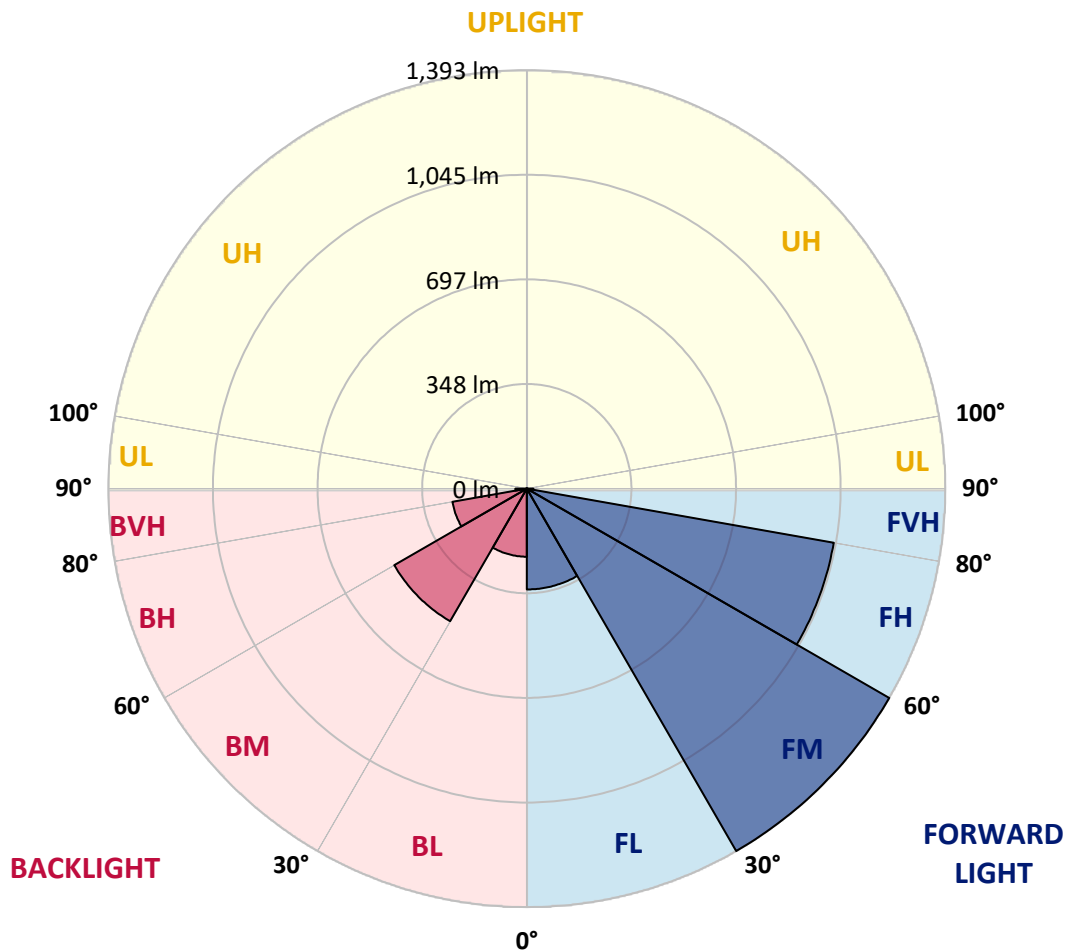
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.6	8.8			
FM	(30°-60°)	1393.1	36.5			
FH	(60°-80°)	1037.7	27.2			G1/1800
FVH	(80°-90°)	22.1	0.6			G1/100
BL	(0°-30°)	226.7	5.9	B1/500		
BM	(30°-60°)	509.6	13.4	B1/1000		
BH	(60°-80°)	251.4	6.6	B1/500		G1/500
BVH	(80°-90°)	38.3	1.0			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1
2.5°	655.1	656.6	655.1	653.6	650.5	649.0	647.5	643.6	639.1	632.2	626.8
5°	684.1	684.1	681.8	680.3	675.7	671.1	668.8	659.7	649.8	638.3	627.6
7.5°	710.8	713.9	710.1	706.3	699.4	691.7	690.2	676.5	662.7	647.5	631.4
10°	744.4	746.7	741.4	738.3	725.3	715.4	712.4	695.6	677.2	658.1	637.5
12.5°	778.8	780.3	776.5	769.6	755.9	743.7	739.1	716.9	693.3	670.4	644.4
15°	808.6	810.1	808.6	800.9	787.9	772.7	766.6	742.1	713.1	683.3	652.8
17.5°	830.7	833.8	833.8	829.9	818.5	804.0	800.2	769.6	736.0	698.6	662.7
20°	849.8	851.3	854.4	852.1	846.0	833.8	828.4	799.4	758.9	716.2	672.7
22.5°	865.1	866.6	871.9	871.2	867.4	861.2	855.9	829.2	785.7	733.7	681.8
25°	891.8	891.0	894.1	891.8	887.2	884.9	881.9	858.2	812.4	754.4	694.0
27.5°	938.4	936.8	933.8	922.3	910.9	907.8	905.5	888.7	843.7	778.0	707.8
30°	1007.1	1008.6	994.1	968.1	945.2	936.1	933.0	921.6	878.8	805.5	723.0
32.5°	1088.8	1088.0	1064.3	1027.7	991.8	973.5	967.4	955.2	913.9	833.0	740.6
35°	1147.6	1146.0	1133.8	1101.0	1063.6	1020.1	1008.6	989.5	951.3	864.3	758.2
37.5°	1227.0	1224.7	1201.0	1166.7	1133.1	1070.4	1057.5	1031.5	987.2	894.8	778.0
40°	1317.8	1303.3	1264.4	1229.3	1183.4	1117.0	1106.3	1072.7	1028.5	932.3	800.9
42.5°	1400.3	1378.9	1328.5	1284.2	1227.0	1172.0	1158.3	1118.5	1068.2	966.6	824.6
45°	1524.0	1472.1	1399.5	1373.6	1274.3	1223.9	1212.5	1163.6	1111.7	1004.0	848.3
47.5°	1508.7	1472.1	1448.4	1445.3	1323.9	1280.4	1263.6	1213.2	1158.3	1043.7	872.7
50°	1538.5	1509.5	1511.0	1473.6	1369.0	1328.5	1316.3	1265.1	1205.6	1082.7	898.7
52.5°	1532.4	1540.8	1536.2	1478.2	1412.5	1378.9	1369.7	1318.6	1250.6	1120.1	921.6
55°	1581.2	1576.7	1566.7	1509.5	1460.6	1426.2	1418.6	1374.3	1296.4	1152.1	941.4
57.5°	1617.1	1593.5	1592.7	1544.6	1514.0	1485.8	1473.6	1431.6	1339.2	1180.4	956.7
60°	1595.0	1566.7	1587.3	1549.9	1546.9	1536.2	1529.3	1482.0	1377.4	1201.8	962.8
62.5°	1476.6	1483.5	1544.6	1542.3	1582.8	1592.7	1585.1	1517.1	1402.6	1209.4	958.2
65°	1320.1	1340.7	1434.6	1514.8	1624.8	1659.1	1651.5	1542.3	1400.3	1191.8	927.7
67°	1133.8	1156.0	1302.6	1448.4	1620.9	1694.2	1688.9	1560.6	1372.8	1146.8	872.7
67.5°	1092.6	1117.8	1264.4	1417.8	1607.2	1691.2	1687.4	1562.2	1363.6	1125.4	851.3
70°	804.0	833.8	1040.7	1246.1	1497.3	1602.6	1601.9	1504.9	1269.0	1009.4	738.3
72.5°	500.9	527.6	742.1	972.0	1297.2	1427.0	1421.7	1311.0	1092.6	823.8	582.6
75°	306.9	323.7	467.3	633.7	940.7	1155.2	1162.8	1024.6	745.2	489.4	329.1
77.5°	187.8	206.1	294.7	390.9	574.9	718.5	720.0	568.1	382.5	266.5	180.2
80°	104.6	109.2	153.5	204.6	294.7	296.2	284.0	250.4	198.5	128.3	92.4
82.5°	41.2	44.3	66.4	82.5	84.0	87.8	81.7	74.1	62.6	41.2	29.0
85°	0.0	0.0	0.0	1.5	5.3	10.7	10.7	7.6	3.1	2.3	2.3
87.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1
2.5°	625.3	624.6	619.2	613.1	608.5	604.7	600.9	596.3	596.3	597.8	597.1
5°	623.8	620.0	610.0	599.4	591.0	583.3	576.5	570.3	569.6	570.3	571.1
7.5°	624.6	617.7	602.4	586.4	572.6	562.7	552.8	548.2	547.4	547.4	547.4
10°	627.6	617.7	597.1	574.9	558.1	543.6	532.9	528.4	529.1	529.9	530.6
12.5°	633.0	619.2	593.3	565.0	543.6	529.1	518.4	514.6	517.7	521.5	522.2
15°	638.3	622.3	589.4	556.6	532.2	516.1	508.5	507.7	513.1	520.0	521.5
17.5°	644.4	624.6	584.9	545.9	520.0	507.0	503.2	505.4	513.8	524.5	526.8
20°	650.5	627.6	579.5	536.0	508.5	499.3	501.6	508.5	519.2	532.2	534.5
22.5°	656.6	629.9	572.6	523.8	496.3	493.2	501.6	513.1	523.8	538.3	541.3
25°	663.5	633.0	564.2	508.5	484.1	486.4	500.9	514.6	526.1	541.3	545.1
27.5°	674.2	637.5	555.8	494.8	470.3	478.0	497.0	513.8	526.1	540.6	545.1
30°	684.9	642.1	549.0	480.3	456.6	466.5	489.4	510.0	522.2	535.2	541.3
32.5°	697.1	648.2	542.9	465.7	441.3	453.5	478.7	501.6	516.1	527.6	533.7
35°	710.1	657.4	538.3	452.8	426.0	436.7	462.7	490.9	505.4	516.1	521.5
37.5°	726.9	667.3	535.2	439.8	410.0	419.2	445.9	475.7	492.5	500.9	507.7
40°	745.2	681.8	535.2	429.1	394.7	400.8	428.3	460.4	477.2	484.1	490.9
42.5°	763.5	696.3	534.5	418.4	378.7	383.3	410.8	443.6	459.6	465.0	470.3
45°	784.9	713.1	533.7	406.2	361.1	365.7	394.0	426.8	442.1	446.7	451.2
47.5°	807.8	729.9	530.6	390.9	345.1	348.9	377.2	407.7	423.0	428.3	432.9
50°	828.4	746.0	523.0	373.4	330.6	334.4	359.6	384.8	398.6	404.7	409.2
52.5°	846.7	757.4	510.8	353.5	314.6	319.1	338.2	360.4	371.1	375.6	378.7
55°	861.2	763.5	490.9	334.4	299.3	301.6	316.9	336.7	345.1	345.9	348.2
57.5°	871.2	762.8	464.2	312.3	284.0	284.8	295.5	313.0	319.1	318.4	319.9
60°	873.5	752.8	432.1	291.7	268.8	266.5	277.2	289.4	293.2	296.2	300.1
62.5°	864.3	729.2	395.5	271.0	253.5	249.7	257.3	268.0	274.1	275.6	277.2
65°	830.7	685.6	351.2	249.7	238.2	231.3	239.7	255.0	264.9	268.0	267.2
67°	771.9	624.6	313.0	233.6	222.9	216.8	229.1	245.1	252.0	256.5	256.5
67.5°	752.8	602.4	300.1	228.3	219.1	213.8	225.2	240.5	249.7	255.0	255.0
70°	639.1	494.0	253.5	201.6	197.0	197.8	211.5	228.3	239.7	245.1	245.1
72.5°	487.1	382.5	206.1	175.6	174.1	179.4	197.0	212.3	226.8	235.9	235.2
75°	276.4	220.7	150.4	143.5	149.6	160.3	182.5	199.3	212.3	221.4	220.7
77.5°	161.1	132.9	103.8	98.5	116.1	140.5	163.4	184.8	193.9	197.0	194.7
80°	81.7	69.5	64.9	67.2	77.9	104.6	142.8	168.0	174.8	177.1	174.8
82.5°	26.0	23.7	26.0	34.4	51.9	82.5	115.3	151.9	160.3	160.3	159.6
85°	1.5	1.5	1.5	15.3	35.9	61.1	90.1	132.9	150.4	148.9	146.6
87.5°	0.8	0.8	0.8	9.9	28.3	51.2	79.4	120.6	143.5	132.9	125.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: SP2-2501-321-4

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-730-U-T4W

Data in this report applies to families of products including GKO-PB1E-730-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-4
 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-730-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3072
 CIE u' : 0.2482
 CIE v' : 0.5193
 Duv: -0.0004
 CIE x: 0.4313
 CIE y: 0.4010
 CIE z: 0.1677
 Peak Wavelength (nm): 593
 Dominant Wavelength (nm): 582
 Purity: 49.8225
 R_f: 74.7
 R_g: 94.2

CRI (Ra): 71.7
 R1: 68.1
 R2: 82.1
 R3: 93.4
 R4: 67.3
 R5: 67.2
 R6: 74.9
 R7: 77.5
 R8: 43.4
 R9: -33.9
 R10: 58.6
 R11: 62.0
 R12: 48.5
 R13: 70.7
 R14: 96.4
 R15: 60.2



Test Conditions

Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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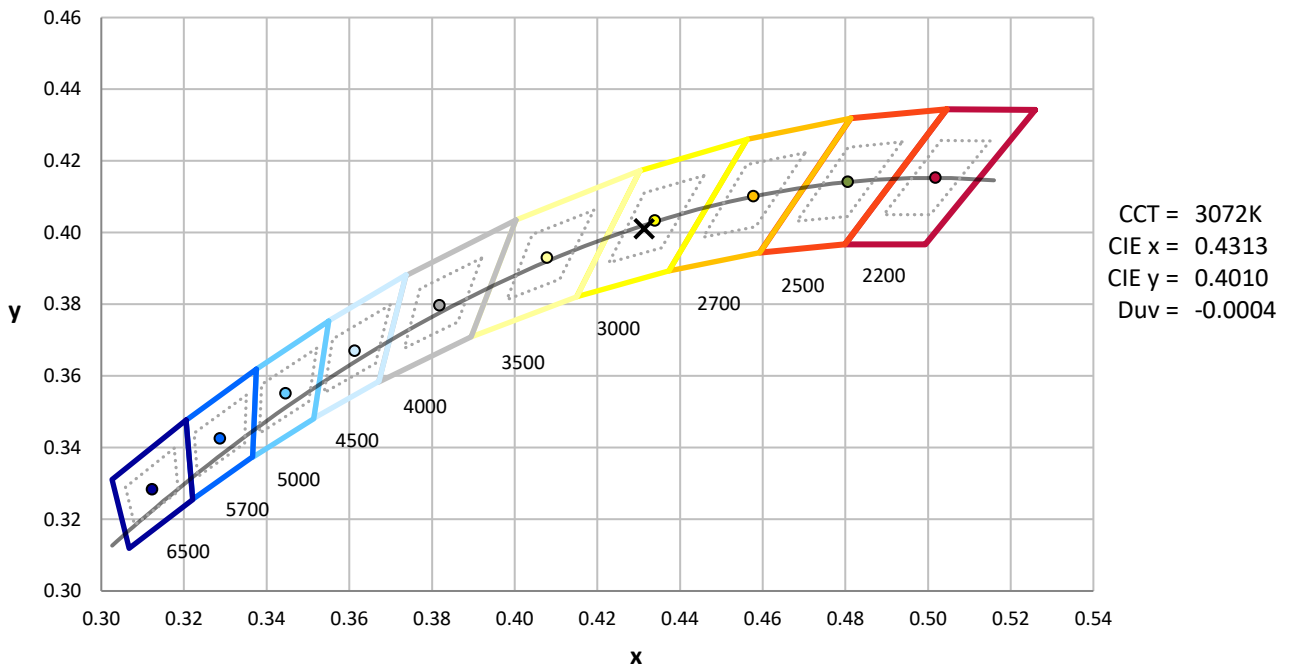
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.24

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.3

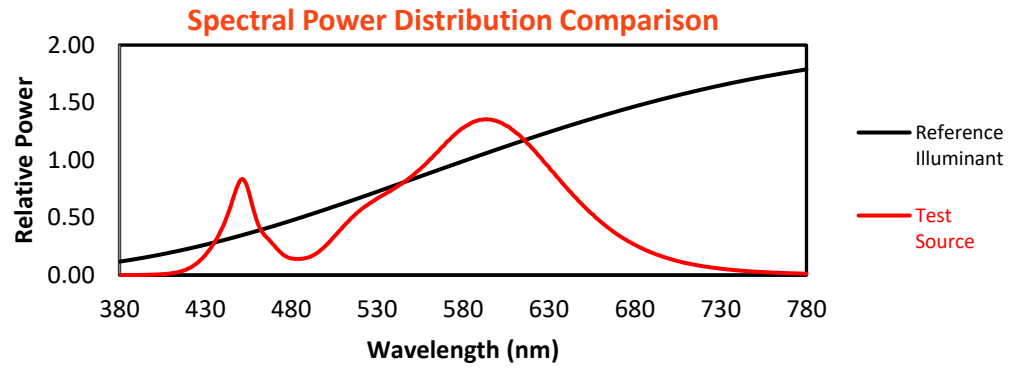
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 74.7$
 $R_g = 94.2$
 $CIE\ R_a = 71.7$
 $R_g = -33.9$



Color Vector Graphics



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

CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 76
CES11 = 59	CES36 = 94	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 65	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 80
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 57
CES18 = 56	CES43 = 78	CES68 = 66	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 57	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)