

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: P972321

Luminaire Tested: **GKO-PB2A-730-U-T2R**

Issue Date: 02/27/2025

Test Information

Test Method: LM-79-08
Report Number: P972321
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-T2R
Description: GEKKO WALL PACK 4000LM PACKAGE 70CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3990.1 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
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

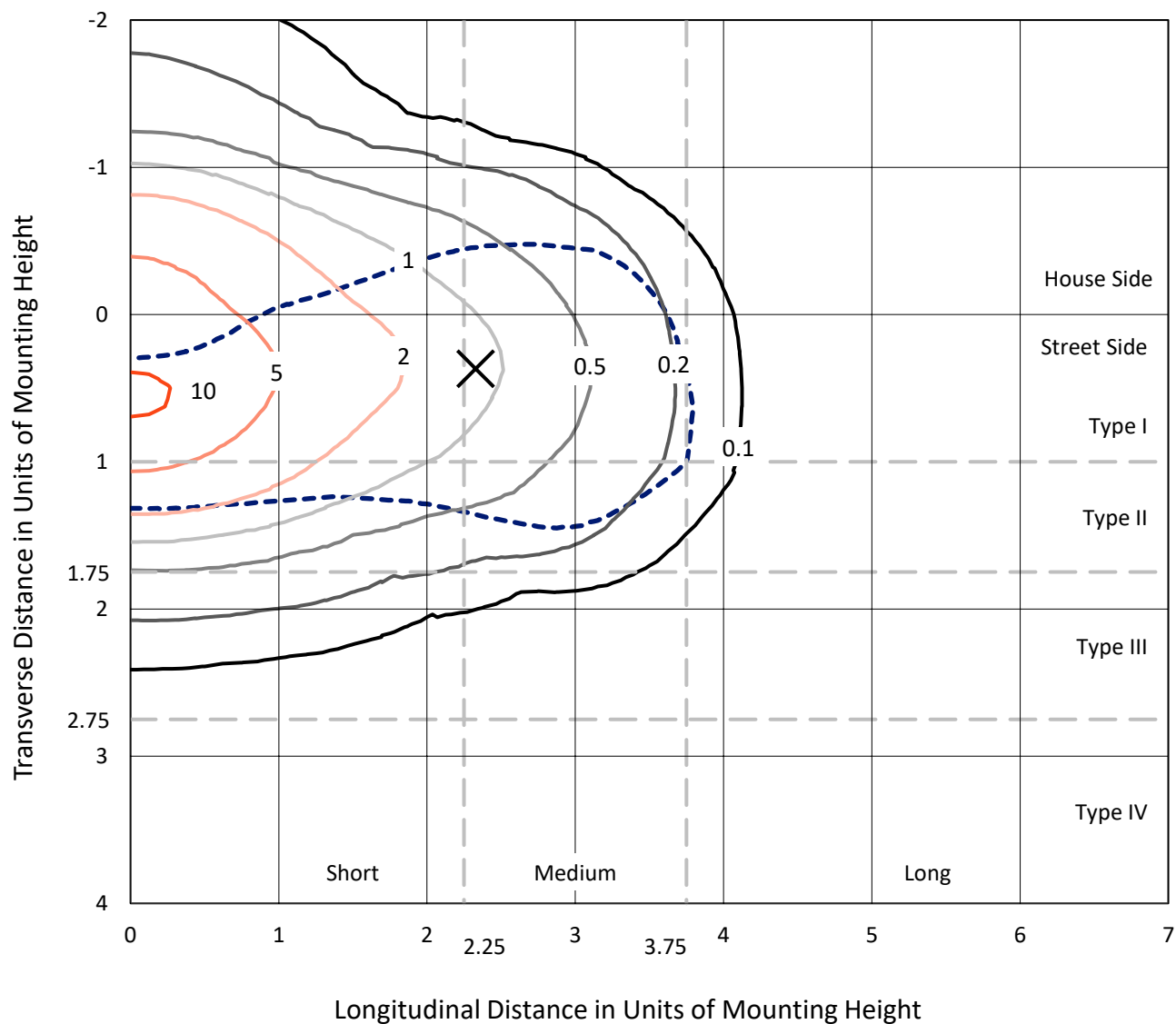
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

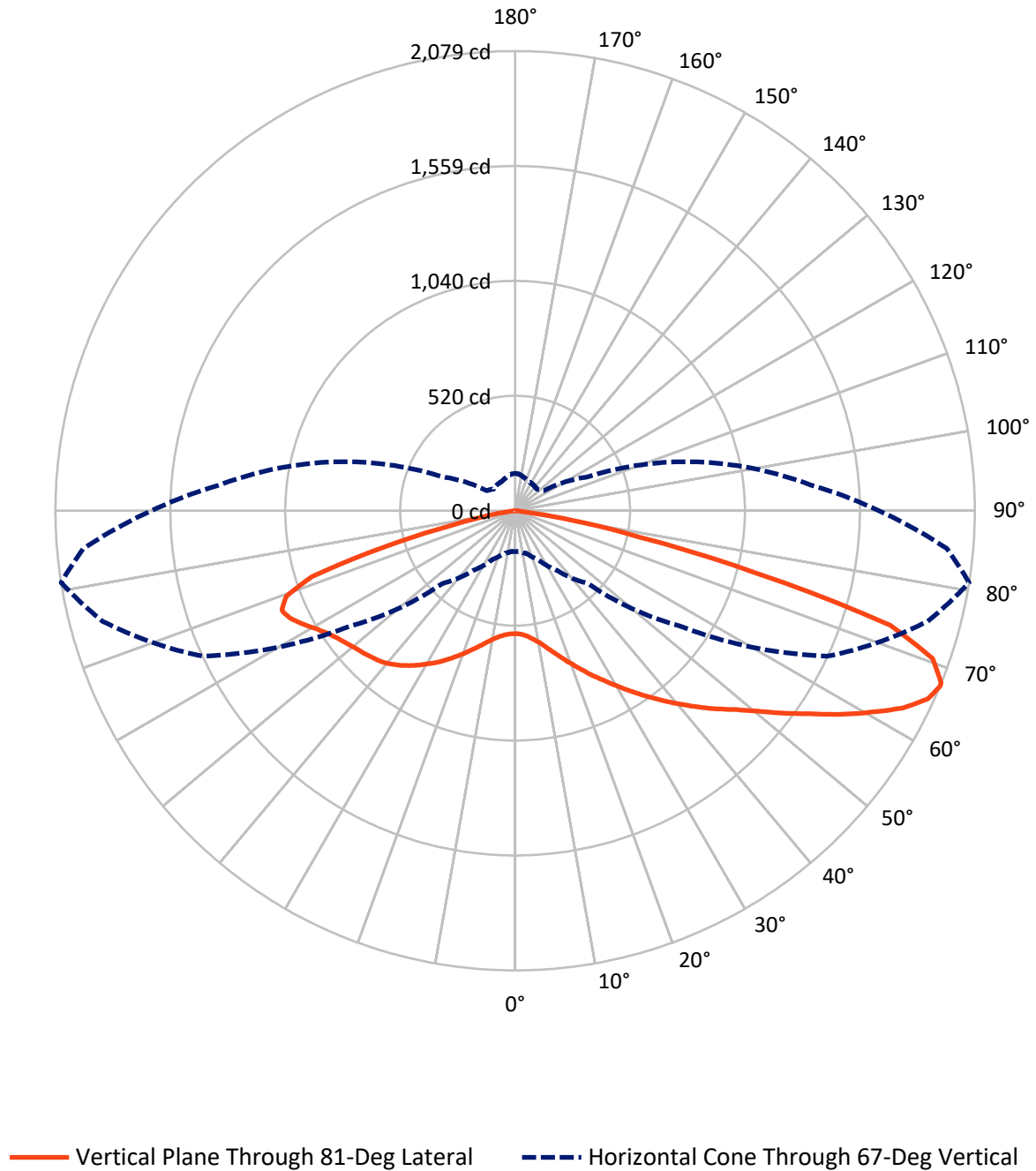


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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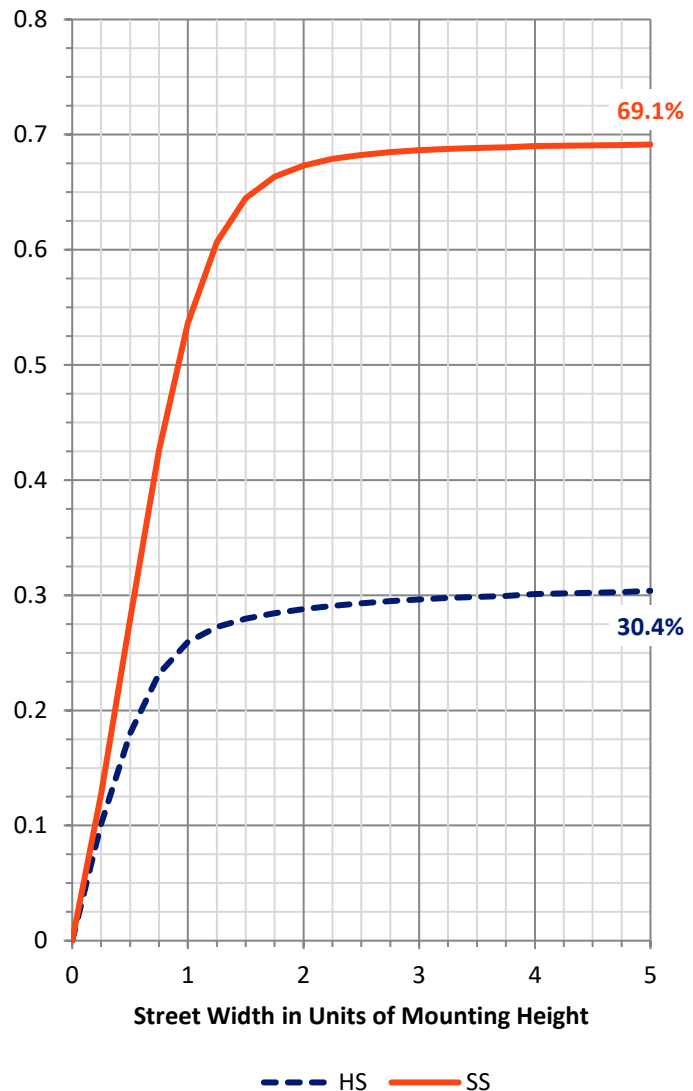
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1232.1	0.0	1232.1
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2758.0	0.0	2758.0
	% Fixture	69.1	0.0	69.1
Total	Lumens	3990.1	0.0	3990.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.4
10°-20°	208.4	5.2
20°-30°	422.2	10.6
30°-40°	665.7	16.7
40°-50°	817.5	20.5
50°-60°	781.0	19.6
60°-70°	655.0	16.4
70°-80°	347.0	8.7
80°-90°	35.8	0.9
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°	3990.1	100.0
0°-180°	3990.1	100.0



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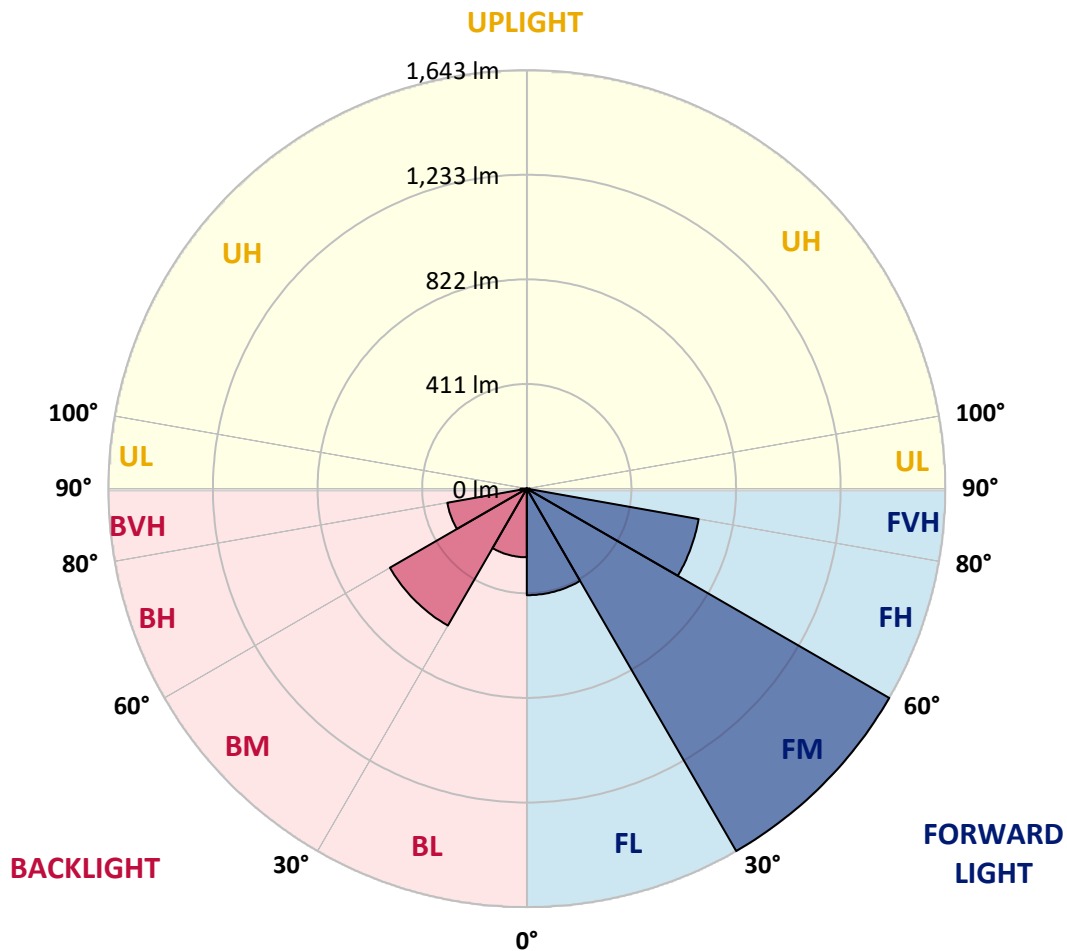
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.5	10.5			
FM	(30°-60°)	1643.4	41.2			
FH	(60°-80°)	685.0	17.2			G1/1800
FVH	(80°-90°)	11.1	0.3			G1/100
BL	(0°-30°)	269.6	6.8	B1/500		
BM	(30°-60°)	620.8	15.6	B1/1000		
BH	(60°-80°)	317.0	7.9	B1/500		G1/500
BVH	(80°-90°)	24.7	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8
2.5°	587.9	589.4	586.4	585.6	582.5	578.0	572.6	568.8	562.7	559.6	558.1
5°	643.6	640.6	638.3	634.5	623.8	614.6	599.3	588.6	577.2	569.6	567.3
7.5°	711.6	713.1	705.5	695.5	680.3	661.9	637.5	617.7	596.3	586.4	581.8
10°	785.6	791.7	784.1	771.9	742.9	715.4	685.6	651.3	622.2	607.0	600.9
12.5°	875.7	879.5	869.6	853.6	818.5	777.2	735.2	692.5	654.3	635.2	624.5
15°	976.5	973.4	963.5	939.9	894.8	849.0	791.7	736.0	691.0	667.3	652.0
17.5°	1080.3	1076.5	1063.5	1033.0	981.8	924.6	856.6	786.4	729.9	703.9	683.3
20°	1179.6	1175.8	1166.6	1132.3	1070.4	1000.2	920.8	844.4	774.2	742.1	719.2
22.5°	1289.5	1286.5	1272.0	1230.0	1163.6	1086.4	994.1	903.2	822.3	784.1	756.6
25°	1408.6	1409.4	1393.4	1334.6	1259.8	1169.7	1072.7	969.6	876.5	828.4	797.1
27.5°	1547.6	1546.8	1519.3	1456.0	1362.1	1258.2	1150.6	1039.1	929.9	873.4	837.5
30°	1673.6	1670.5	1640.0	1576.6	1468.2	1351.4	1233.0	1106.3	990.2	923.1	879.5
32.5°	1766.7	1767.5	1742.3	1672.8	1566.7	1442.2	1310.1	1181.9	1048.3	976.5	928.4
35°	1833.9	1834.7	1810.2	1750.7	1651.4	1527.0	1391.8	1252.9	1113.2	1031.5	979.6
37.5°	1855.3	1855.3	1839.2	1792.7	1711.7	1603.3	1472.0	1333.8	1178.1	1091.0	1031.5
40°	1826.3	1828.6	1827.8	1797.3	1741.5	1656.0	1546.1	1411.7	1250.6	1149.8	1084.2
42.5°	1760.6	1762.1	1764.4	1753.0	1735.4	1684.3	1605.6	1491.1	1323.1	1213.9	1136.1
45°	1652.2	1658.3	1669.7	1674.3	1681.2	1677.4	1642.3	1565.2	1404.1	1278.1	1187.2
47.5°	1514.8	1524.7	1540.0	1567.4	1605.6	1636.2	1651.4	1622.4	1482.7	1344.5	1244.5
50°	1323.9	1334.6	1375.8	1433.1	1508.7	1568.2	1626.2	1665.2	1570.5	1425.4	1308.6
52.5°	1059.7	1082.6	1152.1	1262.0	1391.8	1480.4	1572.8	1685.8	1659.8	1520.9	1385.0
55°	806.2	814.6	904.0	1036.1	1236.1	1385.7	1499.5	1675.1	1743.8	1620.9	1472.0
57.5°	563.5	572.6	650.5	794.8	1016.2	1262.0	1426.2	1639.2	1820.2	1738.5	1572.0
60°	400.1	410.0	468.0	574.9	789.4	1081.9	1358.2	1593.4	1886.6	1849.9	1687.3
62.5°	290.9	296.2	326.8	416.9	570.3	845.9	1261.3	1563.6	1933.2	1966.0	1805.6
65°	222.9	228.3	245.8	302.3	421.4	618.4	1087.2	1562.9	1945.4	2051.5	1908.0
67°	185.5	184.8	200.0	242.8	329.1	465.0	907.8	1556.8	1931.6	2079.0	1959.9
67.5°	175.6	178.7	190.9	226.8	310.7	428.3	868.8	1546.8	1927.0	2078.2	1963.7
70°	139.7	140.5	151.2	179.4	233.6	310.7	625.3	1449.1	1857.6	2003.4	1920.9
72.5°	102.3	101.5	117.6	135.9	178.7	226.0	419.2	1217.0	1707.2	1775.1	1707.9
75°	75.6	74.8	83.2	103.8	127.5	168.7	271.8	794.0	1155.9	1129.2	1042.9
77.5°	50.4	51.9	59.6	76.3	90.9	104.6	135.9	365.7	636.7	575.7	554.3
80°	30.5	28.2	33.6	43.5	52.7	53.4	58.0	158.0	273.3	260.3	244.3
82.5°	10.7	10.7	13.0	17.6	17.6	17.6	21.4	38.2	54.2	49.6	47.3
85°	0.0	0.0	0.0	0.0	1.5	2.3	1.5	3.1	5.3	6.1	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5	2.3	3.1	3.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8
2.5°	558.1	558.1	555.8	552.8	551.2	550.5	548.2	545.1	547.4	549.7	549.7
5°	565.7	564.2	559.6	556.6	554.3	554.3	551.2	550.5	552.8	555.1	554.3
7.5°	578.0	574.9	569.6	565.0	565.7	566.5	561.9	561.9	564.2	566.5	566.5
10°	594.8	589.4	584.1	580.3	581.0	581.8	577.2	575.7	578.0	580.3	581.8
12.5°	616.1	609.3	603.2	599.3	598.6	599.3	594.8	593.2	593.2	594.8	594.8
15°	641.3	633.7	626.1	620.7	619.2	618.4	612.3	607.0	607.0	607.7	607.7
17.5°	670.3	659.7	649.7	643.6	639.8	634.5	627.6	620.0	617.7	618.4	618.4
20°	699.4	687.9	674.9	666.5	658.9	649.7	639.0	629.1	624.5	624.5	623.8
22.5°	732.9	717.7	700.1	688.7	674.9	659.7	644.4	631.4	626.8	625.3	625.3
25°	767.3	749.7	724.6	707.0	687.1	665.0	645.1	627.6	620.0	616.9	616.9
27.5°	802.4	781.8	749.0	723.8	694.8	664.2	637.5	615.4	604.7	600.9	599.3
30°	842.1	812.4	770.4	736.0	696.3	657.4	623.0	597.0	581.0	571.9	572.6
32.5°	883.4	845.9	790.2	743.6	694.0	644.4	600.9	568.0	547.4	539.0	536.0
35°	925.3	878.0	807.8	747.5	686.4	624.5	572.6	536.0	513.1	500.8	500.8
37.5°	968.1	911.6	820.0	746.7	672.6	598.6	539.8	500.8	474.1	458.9	455.0
40°	1010.1	942.9	829.1	740.6	652.0	567.3	504.7	462.7	426.8	406.9	403.9
42.5°	1051.3	968.9	833.7	730.7	627.6	532.9	465.0	408.5	374.1	355.8	355.0
45°	1088.7	989.5	834.5	717.7	595.5	494.0	411.5	357.3	323.0	303.9	303.9
47.5°	1125.4	1012.4	833.7	700.9	560.4	443.6	355.0	302.3	271.0	258.8	255.0
50°	1169.7	1035.3	833.0	680.3	515.4	383.3	300.1	255.0	228.3	216.1	216.1
52.5°	1214.7	1062.0	834.5	651.3	461.9	324.5	251.2	211.5	193.9	186.3	185.5
55°	1272.7	1090.3	838.3	616.9	406.2	267.2	209.2	182.5	170.3	166.4	167.2
57.5°	1343.0	1129.2	845.9	576.4	341.3	219.1	179.4	164.9	161.9	163.4	164.1
60°	1423.1	1177.3	856.6	530.6	284.0	182.5	161.9	158.8	161.9	168.0	168.7
62.5°	1516.3	1235.3	870.4	479.5	227.5	160.3	154.2	156.5	158.8	168.7	169.5
65°	1598.7	1297.9	873.4	419.2	184.8	145.8	149.6	151.2	157.3	168.7	169.5
67°	1645.3	1340.7	852.8	361.9	158.0	138.2	143.5	145.1	155.8	167.2	168.7
67.5°	1650.7	1349.8	839.1	347.4	152.7	136.7	142.0	145.1	155.8	167.2	168.0
70°	1634.6	1343.7	747.5	261.9	126.0	126.0	132.1	139.0	149.6	161.9	167.2
72.5°	1491.9	1225.4	578.7	177.9	106.9	113.8	122.9	132.8	142.8	157.3	166.4
75°	942.9	788.7	354.3	119.1	89.3	101.5	116.1	127.5	135.9	146.6	152.7
77.5°	503.9	390.1	152.7	70.2	70.2	90.1	107.7	118.3	122.9	126.7	130.6
80°	238.2	181.7	74.1	42.0	48.9	70.2	95.4	106.9	108.4	113.0	114.5
82.5°	47.3	41.2	24.4	22.1	32.1	50.4	79.4	92.4	93.1	100.8	102.3
85°	6.1	5.3	3.8	8.4	20.6	37.4	61.1	79.4	80.9	80.9	79.4
87.5°	3.1	2.3	2.3	6.1	15.3	28.2	50.4	66.4	67.2	52.7	51.2
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

REPORT NUMBER: SP2-2501-321-4

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 [^] /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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TM-30-18

Summary

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



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)