

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: P1212031

Luminaire Tested: **GKO-PB2A-830-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212031
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-830-U-T1
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

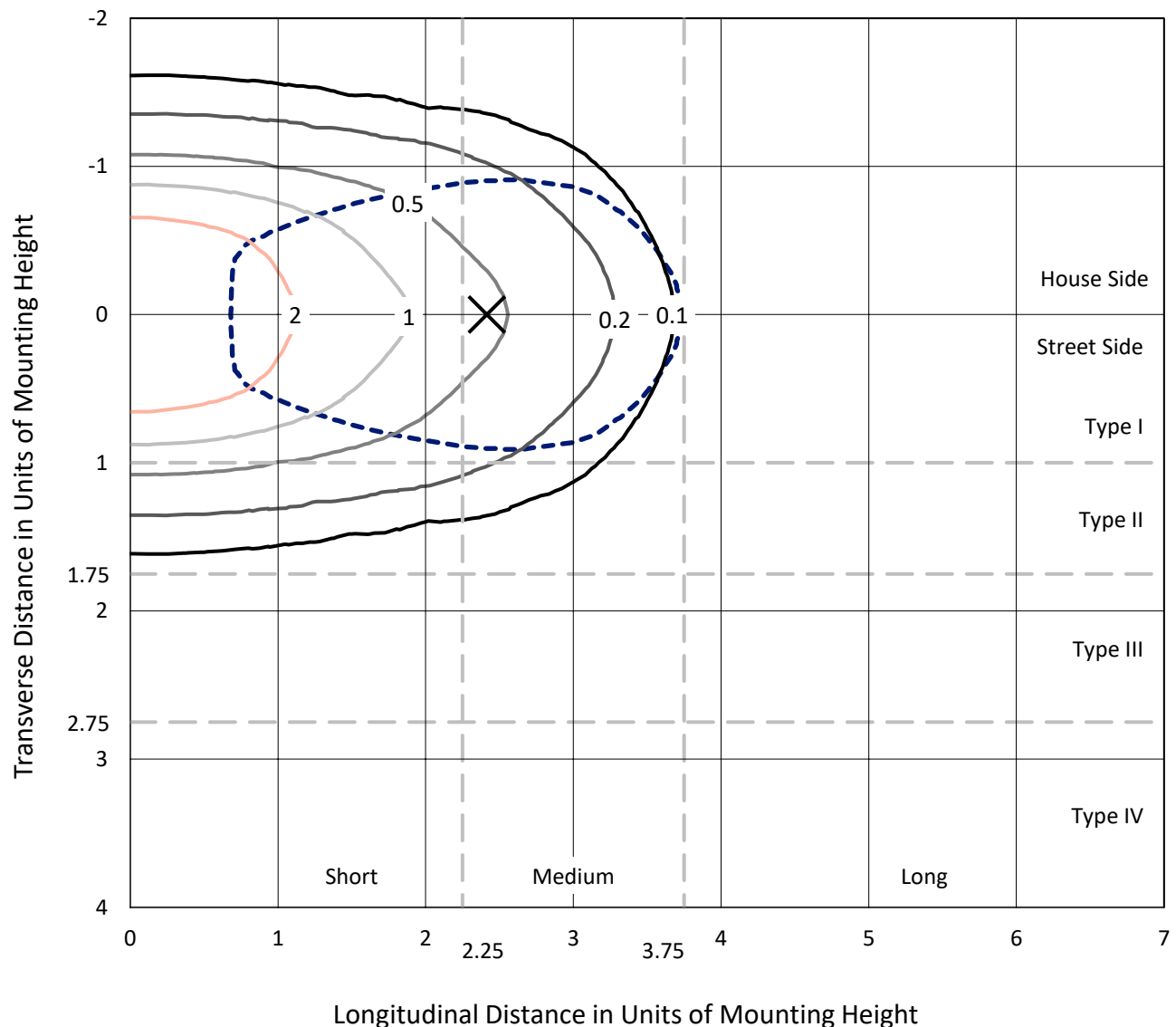
Lumens per Lamp: N/A
Luminaire Lumens: 3882.8 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

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

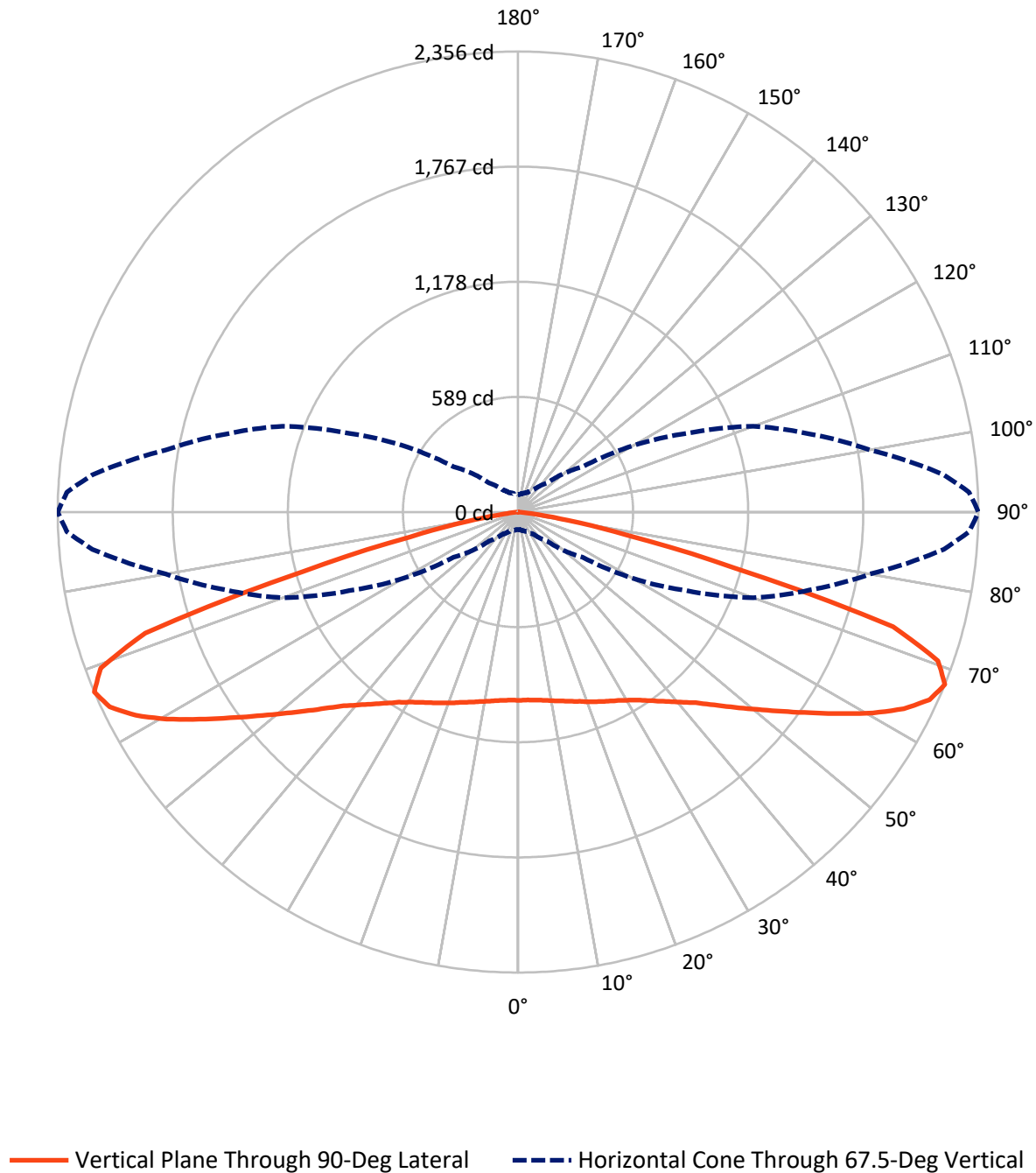
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 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	1941.4	0.0	1941.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1941.4	0.0	1941.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3882.8	0.0	3882.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	2.4
10°-20°	278.4	7.2
20°-30°	463.0	11.9
30°-40°	615.1	15.8
40°-50°	693.4	17.9
50°-60°	713.1	18.4
60°-70°	673.9	17.4
70°-80°	329.9	8.5
80°-90°	23.6	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°	3882.8	100.0
0°-180°	3882.8	100.0

Coefficient of Utilization



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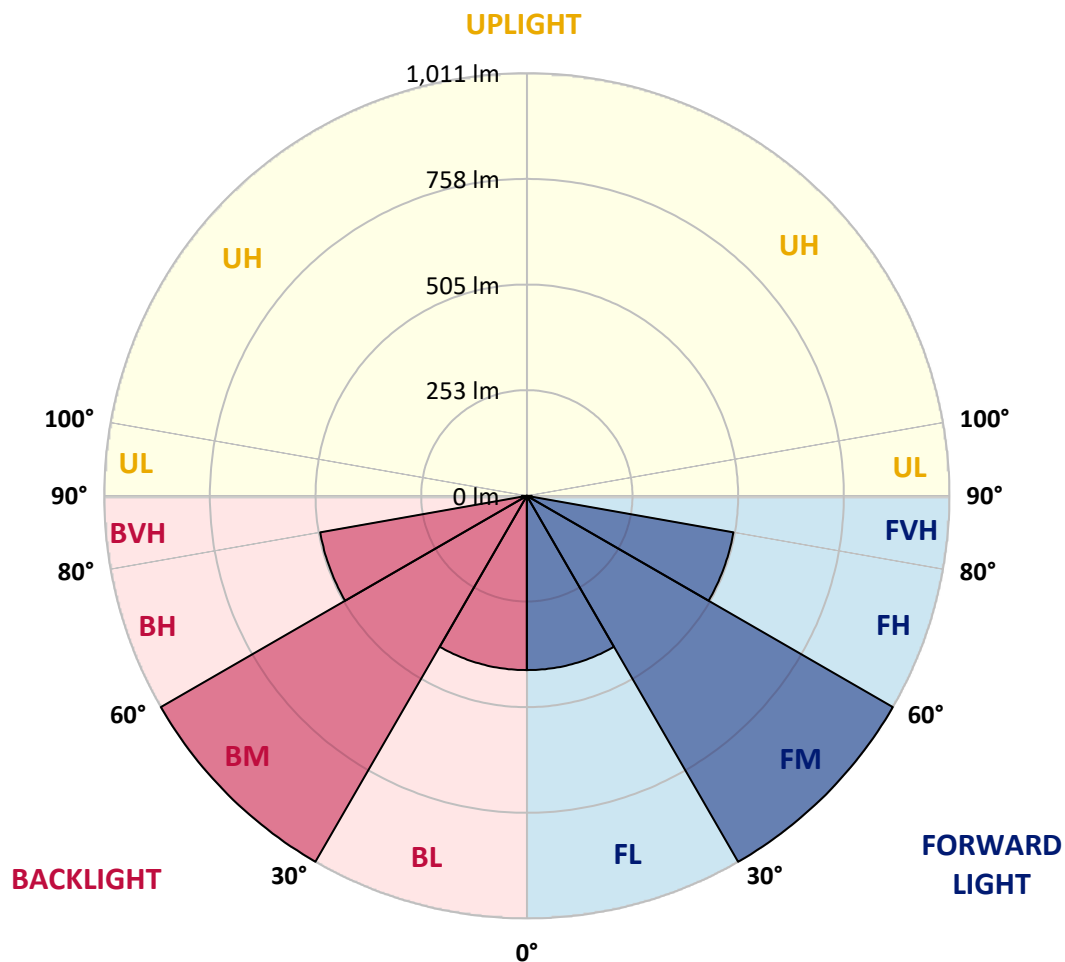
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	416.9	10.7			
FM	(30°-60°)	1010.8	26.0			
FH	(60°-80°)	501.9	12.9			G0/660
FVH	(80°-90°)	11.8	0.3			G1/100
BL	(0°-30°)	416.9	10.7	B1/500		
BM	(30°-60°)	1010.8	26.0	B2/2500		
BH	(60°-80°)	501.9	12.9	B2/1000		G2/1000
BVH	(80°-90°)	11.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	964.2	965.6	962.8	962.8	964.2	964.9	964.9	965.6	964.2	964.2	963.5
5°	964.2	964.9	963.5	963.5	964.9	967.1	966.3	967.8	967.8	967.1	967.1
7.5°	963.5	964.9	963.5	964.2	966.3	970.6	970.6	970.6	972.1	973.5	973.5
10°	962.8	964.2	964.9	965.6	968.5	974.9	976.4	977.1	979.2	981.4	981.4
12.5°	959.2	960.6	962.8	965.6	970.6	979.2	982.1	984.2	987.8	990.0	991.4
15°	954.2	954.9	959.9	965.6	973.5	984.2	990.0	993.5	998.6	1001.4	1003.6
17.5°	947.0	947.7	955.6	964.2	975.6	990.7	1000.0	1005.7	1010.7	1015.0	1017.9
20°	937.7	939.9	949.2	962.8	979.2	997.1	1010.7	1020.7	1025.8	1030.1	1034.3
22.5°	926.3	928.4	939.9	959.2	982.8	1005.7	1023.6	1036.5	1042.9	1048.7	1053.7
25°	909.1	911.9	925.5	950.6	984.2	1015.0	1037.9	1054.4	1060.1	1067.3	1071.6
27.5°	882.6	884.7	901.2	933.4	979.9	1025.0	1054.4	1073.7	1080.2	1088.0	1092.3
30°	841.1	845.4	865.4	905.5	969.2	1032.9	1073.7	1093.0	1100.9	1108.8	1114.5
32.5°	787.4	793.8	816.0	867.6	948.4	1035.8	1094.5	1116.7	1126.7	1135.3	1142.4
35°	720.8	727.3	753.7	818.9	915.5	1030.1	1115.2	1143.9	1156.0	1167.5	1176.1
37.5°	644.9	650.7	682.9	757.3	868.3	1012.2	1131.7	1173.9	1190.4	1205.4	1216.9
40°	568.4	574.8	609.9	689.3	811.0	977.8	1138.9	1206.9	1227.6	1246.9	1261.3
42.5°	485.3	493.2	532.6	617.0	744.4	930.6	1133.1	1239.1	1264.8	1291.3	1312.8
45°	411.6	413.0	456.0	537.6	671.4	869.7	1113.1	1269.8	1304.9	1342.1	1372.9
47.5°	340.7	343.6	380.8	461.7	595.6	801.0	1076.6	1294.2	1350.0	1398.0	1443.1
50°	277.7	281.3	315.0	387.3	519.7	725.8	1027.2	1308.5	1388.7	1453.8	1516.8
52.5°	226.2	230.5	258.4	322.1	443.1	647.1	966.3	1310.6	1423.7	1509.6	1593.4
55°	188.3	191.1	212.6	263.4	369.4	565.5	896.9	1299.9	1446.7	1559.8	1671.4
57.5°	158.9	161.8	176.8	216.9	302.8	481.7	812.4	1274.9	1458.8	1603.4	1750.2
60°	138.2	140.3	151.0	179.7	249.1	403.0	721.5	1230.5	1455.2	1630.6	1815.3
62.5°	123.1	123.8	133.1	153.2	205.4	328.6	619.2	1163.9	1425.9	1634.2	1859.7
65°	109.5	110.2	116.0	130.3	168.9	264.1	512.5	1072.3	1370.1	1609.1	1866.1
67.5°	88.8	90.2	98.8	109.5	138.9	209.0	403.7	952.0	1282.7	1544.0	1829.6
70°	70.9	71.6	80.2	92.3	113.1	164.6	309.9	790.3	1146.0	1438.1	1735.1
72.5°	53.0	54.4	62.3	74.4	92.3	127.4	224.0	597.7	916.2	1212.6	1511.1
75°	42.2	42.9	45.8	57.3	71.6	96.6	151.0	362.2	551.9	750.2	926.3
77.5°	35.8	36.5	36.5	44.4	53.0	65.1	80.2	143.9	233.4	332.1	440.2
80°	29.3	30.8	27.9	32.9	37.9	37.9	37.2	68.7	110.2	156.0	204.7
82.5°	21.5	22.9	21.5	22.9	22.9	20.8	19.3	25.8	35.1	48.0	52.3
85°	15.0	15.7	17.2	15.7	15.0	12.2	9.3	7.2	4.3	5.0	7.2
87.5°	10.0	12.2	14.3	13.6	11.5	9.3	6.4	4.3	2.1	2.9	2.9
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°	963.5	963.5	963.5
2.5°	964.2	963.5	962.8
5°	967.8	967.1	966.3
7.5°	972.8	972.8	972.8
10°	980.7	982.1	982.1
12.5°	990.7	992.1	992.1
15°	1002.9	1003.6	1005.0
17.5°	1017.9	1018.6	1018.6
20°	1035.8	1035.1	1036.5
22.5°	1053.7	1053.7	1053.7
25°	1072.3	1072.3	1072.3
27.5°	1093.8	1093.8	1092.3
30°	1117.4	1117.4	1117.4
32.5°	1146.0	1146.7	1147.4
35°	1182.5	1184.0	1186.1
37.5°	1224.0	1227.6	1229.8
40°	1273.4	1274.9	1278.4
42.5°	1328.5	1332.8	1333.6
45°	1397.3	1404.4	1407.3
47.5°	1478.1	1488.2	1493.2
50°	1568.3	1579.8	1587.0
52.5°	1666.4	1685.0	1693.6
55°	1770.9	1803.1	1812.4
57.5°	1889.0	1932.7	1945.6
60°	2005.0	2066.5	2087.3
62.5°	2103.8	2190.4	2216.1
65°	2173.2	2277.7	2315.6
67.5°	2187.5	2311.4	2356.4
70°	2101.6	2228.3	2280.6
72.5°	1827.5	1942.0	2007.1
75°	1079.4	1161.8	1141.7
77.5°	541.9	565.5	569.1
80°	237.6	252.0	257.7
82.5°	58.7	60.1	68.0
85°	7.9	9.3	8.6
87.5°	2.9	2.9	3.6
90°	0.0	0.0	0.0

(END OF REPORT)