

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: P1212020

Luminaire Tested: **GKO-PB2B-827-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212020
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-827-U-T1
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

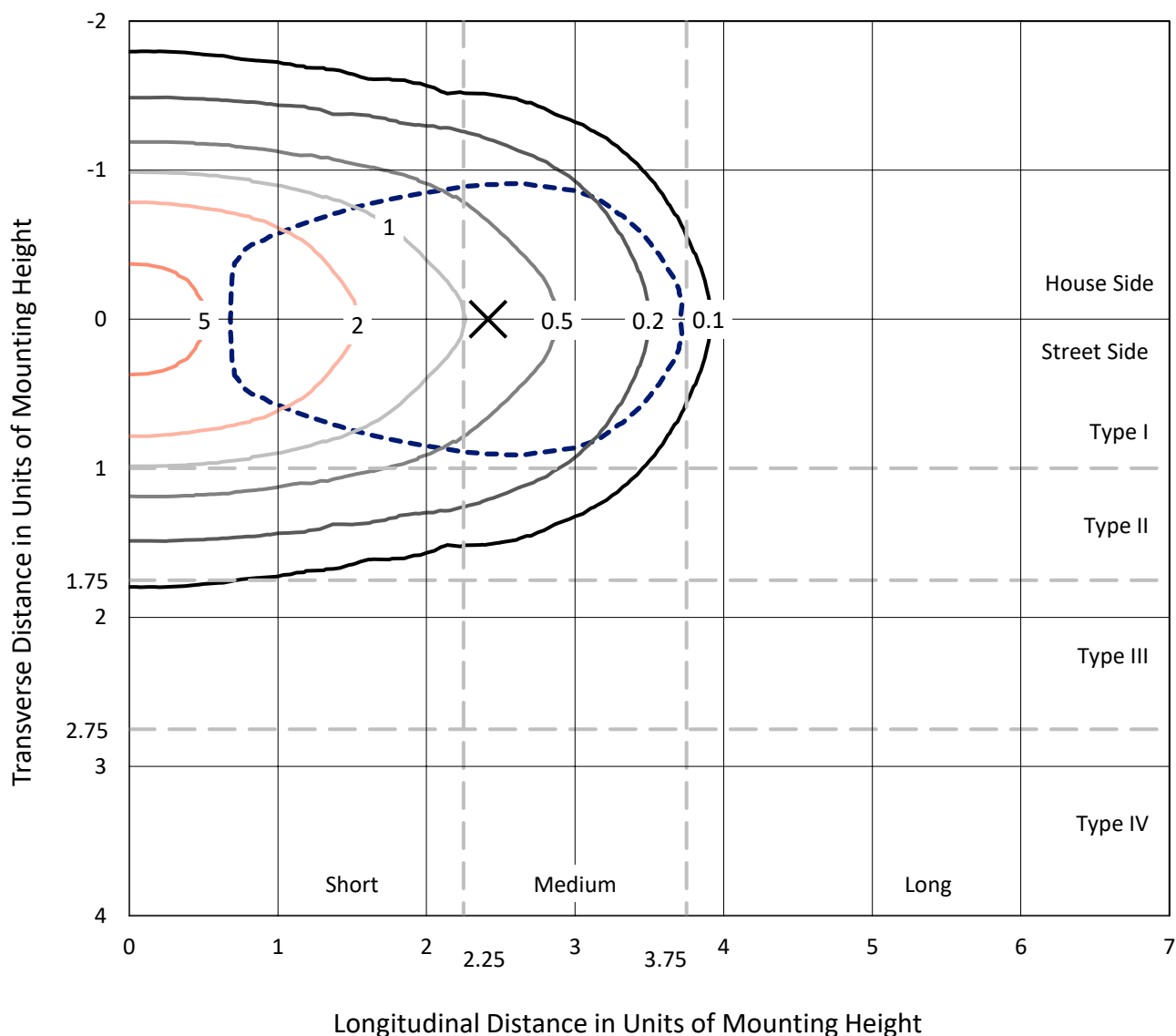
Lumens per Lamp: N/A
Luminaire Lumens: 5666.8 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
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

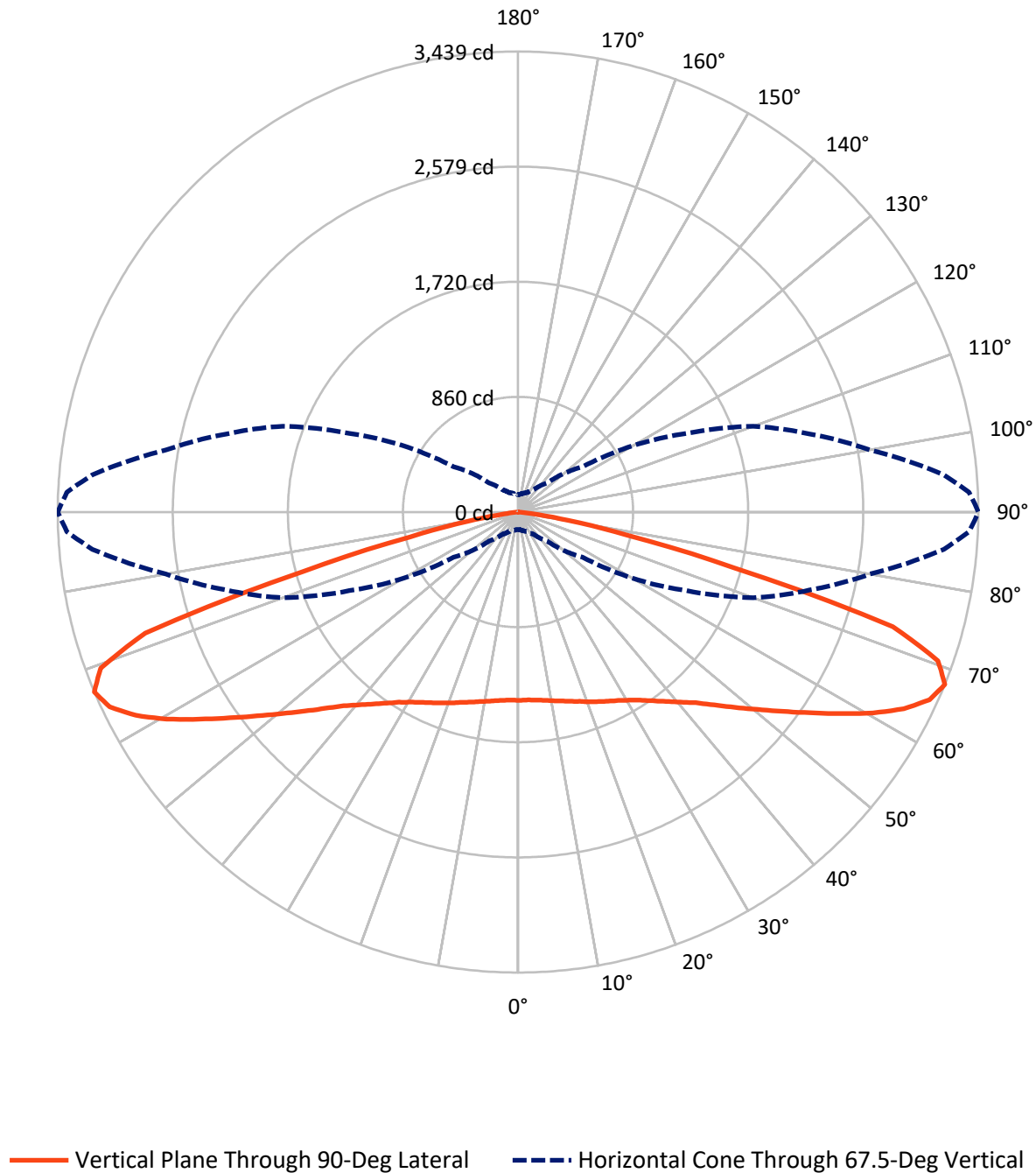
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 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	2833.4	0.0	2833.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2833.4	0.0	2833.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5666.8	0.0	5666.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	2.4
10°-20°	406.4	7.2
20°-30°	675.8	11.9
30°-40°	897.7	15.8
40°-50°	1012.1	17.9
50°-60°	1040.7	18.4
60°-70°	983.5	17.4
70°-80°	481.4	8.5
80°-90°	34.4	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°	5666.8	100.0
0°-180°	5666.8	100.0

Coefficient of Utilization



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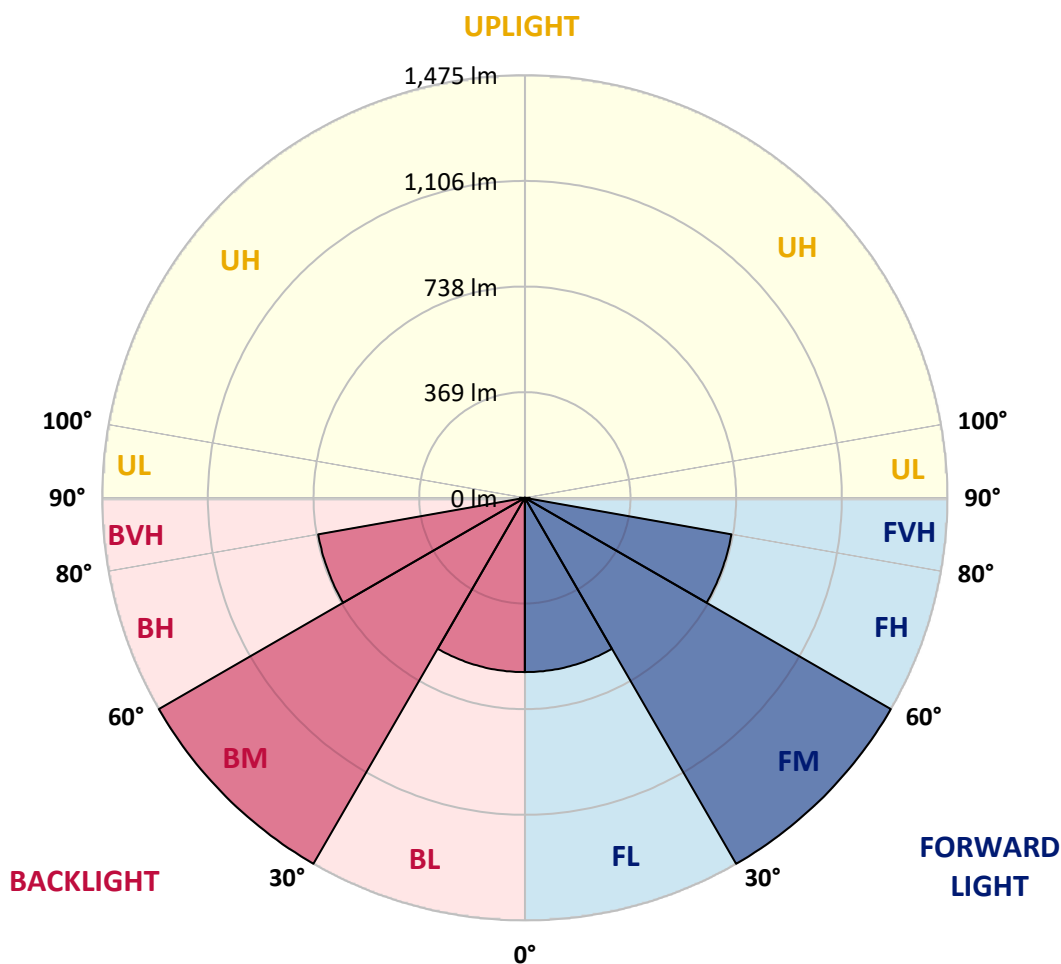
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	608.5	10.7			
FM	(30°-60°)	1475.2	26.0			
FH	(60°-80°)	732.5	12.9			G1/1800
FVH	(80°-90°)	17.2	0.3			G1/100
BL	(0°-30°)	608.5	10.7	B2/1000		
BM	(30°-60°)	1475.2	26.0	B2/2500		
BH	(60°-80°)	732.5	12.9	B2/1000		G2/1000
BVH	(80°-90°)	17.2	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°	1406.2	1406.2	1406.2	1406.2	1406.2	1406.2	1406.2	1406.2	1406.2	1406.2	1406.2
2.5°	1407.2	1409.3	1405.1	1405.1	1407.2	1408.3	1408.3	1409.3	1407.2	1407.2	1406.2
5°	1407.2	1408.3	1406.2	1406.2	1408.3	1411.4	1410.3	1412.4	1412.4	1411.4	1411.4
7.5°	1406.2	1408.3	1406.2	1407.2	1410.3	1416.6	1416.6	1416.6	1418.7	1420.8	1420.8
10°	1405.1	1407.2	1408.3	1409.3	1413.5	1422.9	1425.0	1426.0	1429.2	1432.3	1432.3
12.5°	1399.9	1402.0	1405.1	1409.3	1416.6	1429.2	1433.3	1436.5	1441.7	1444.8	1446.9
15°	1392.6	1393.6	1400.9	1409.3	1420.8	1436.5	1444.8	1450.0	1457.4	1461.5	1464.7
17.5°	1382.1	1383.2	1394.7	1407.2	1423.9	1445.9	1459.5	1467.8	1475.1	1481.4	1485.6
20°	1368.6	1371.7	1385.3	1405.1	1429.2	1455.3	1475.1	1489.7	1497.1	1503.3	1509.6
22.5°	1351.8	1355.0	1371.7	1399.9	1434.4	1467.8	1493.9	1512.7	1522.1	1530.5	1537.8
25°	1326.8	1331.0	1350.8	1387.4	1436.5	1481.4	1514.8	1538.8	1547.2	1557.7	1563.9
27.5°	1288.1	1291.3	1315.3	1362.3	1430.2	1496.0	1538.8	1567.1	1576.5	1587.9	1594.2
30°	1227.5	1233.8	1263.0	1321.5	1414.5	1507.5	1567.1	1595.3	1606.8	1618.2	1626.6
32.5°	1149.2	1158.6	1191.0	1266.2	1384.2	1511.7	1597.4	1629.7	1644.4	1656.9	1667.3
35°	1052.0	1061.4	1100.1	1195.1	1336.2	1503.3	1627.6	1669.4	1687.2	1703.9	1716.4
37.5°	941.3	949.6	996.6	1105.3	1267.2	1477.2	1651.7	1713.3	1737.3	1759.3	1776.0
40°	829.5	838.9	890.1	1006.0	1183.6	1427.1	1662.1	1761.4	1791.7	1819.9	1840.8
42.5°	708.3	719.8	777.3	900.5	1086.5	1358.1	1653.8	1808.4	1846.0	1884.6	1916.0
45°	600.7	602.8	665.5	784.6	979.9	1269.3	1624.5	1853.3	1904.5	1958.8	2003.7
47.5°	497.3	501.5	555.8	673.8	869.2	1169.0	1571.2	1888.8	1970.3	2040.3	2106.1
50°	405.3	410.6	459.7	565.2	758.5	1059.3	1499.1	1909.7	2026.7	2121.8	2213.7
52.5°	330.1	336.4	377.1	470.1	646.7	944.4	1410.3	1912.9	2077.9	2203.3	2325.5
55°	274.8	278.9	310.3	384.5	539.1	825.3	1309.0	1897.2	2111.3	2276.4	2439.4
57.5°	231.9	236.1	258.0	316.5	441.9	703.1	1185.7	1860.6	2129.1	2340.1	2554.3
60°	201.6	204.8	220.4	262.2	363.6	588.2	1053.1	1795.8	2123.9	2379.8	2649.4
62.5°	179.7	180.7	194.3	223.6	299.8	479.5	903.7	1698.7	2081.0	2385.1	2714.1
65°	159.8	160.9	169.2	190.1	246.5	385.5	748.0	1565.0	1999.6	2348.5	2723.5
67.5°	129.5	131.6	144.2	159.8	202.7	305.1	589.2	1389.5	1872.1	2253.4	2670.3
70°	103.4	104.5	117.0	134.8	165.1	240.3	452.4	1153.4	1672.6	2098.8	2532.4
72.5°	77.3	79.4	90.9	108.6	134.8	186.0	327.0	872.3	1337.2	1769.7	2205.4
75°	61.6	62.7	66.9	83.6	104.5	141.0	220.4	528.6	805.5	1094.8	1351.8
77.5°	52.2	53.3	53.3	64.8	77.3	95.1	117.0	210.0	340.6	484.7	642.5
80°	42.8	44.9	40.7	48.1	55.4	55.4	54.3	100.3	160.9	227.7	298.8
82.5°	31.3	33.4	31.3	33.4	33.4	30.3	28.2	37.6	51.2	70.0	76.3
85°	21.9	23.0	25.1	23.0	21.9	17.8	13.6	10.4	6.3	7.3	10.4
87.5°	14.6	17.8	20.9	19.8	16.7	13.6	9.4	6.3	3.1	4.2	4.2
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°	1406.2	1406.2	1406.2
2.5°	1407.2	1406.2	1405.1
5°	1412.4	1411.4	1410.3
7.5°	1419.8	1419.8	1419.8
10°	1431.2	1433.3	1433.3
12.5°	1445.9	1448.0	1448.0
15°	1463.6	1464.7	1466.8
17.5°	1485.6	1486.6	1486.6
20°	1511.7	1510.6	1512.7
22.5°	1537.8	1537.8	1537.8
25°	1565.0	1565.0	1565.0
27.5°	1596.3	1596.3	1594.2
30°	1630.8	1630.8	1630.8
32.5°	1672.6	1673.6	1674.7
35°	1725.8	1727.9	1731.1
37.5°	1786.4	1791.7	1794.8
40°	1858.5	1860.6	1865.8
42.5°	1939.0	1945.2	1946.3
45°	2039.3	2049.7	2053.9
47.5°	2157.3	2171.9	2179.3
50°	2288.9	2305.7	2316.1
52.5°	2432.1	2459.2	2471.8
55°	2584.6	2631.6	2645.2
57.5°	2757.0	2820.7	2839.5
60°	2926.2	3016.1	3046.4
62.5°	3070.4	3196.8	3234.4
65°	3171.7	3324.2	3379.6
67.5°	3192.6	3373.3	3439.2
70°	3067.2	3252.2	3328.4
72.5°	2667.1	2834.3	2929.3
75°	1575.4	1695.6	1666.3
77.5°	790.8	825.3	830.5
80°	346.8	367.7	376.1
82.5°	85.7	87.8	99.2
85°	11.5	13.6	12.5
87.5°	4.2	4.2	5.2
90°	0.0	0.0	0.0

(END OF REPORT)