

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: P1212052

Luminaire Tested: **GKO-PB1E-850-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212052
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-850-U-T1
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

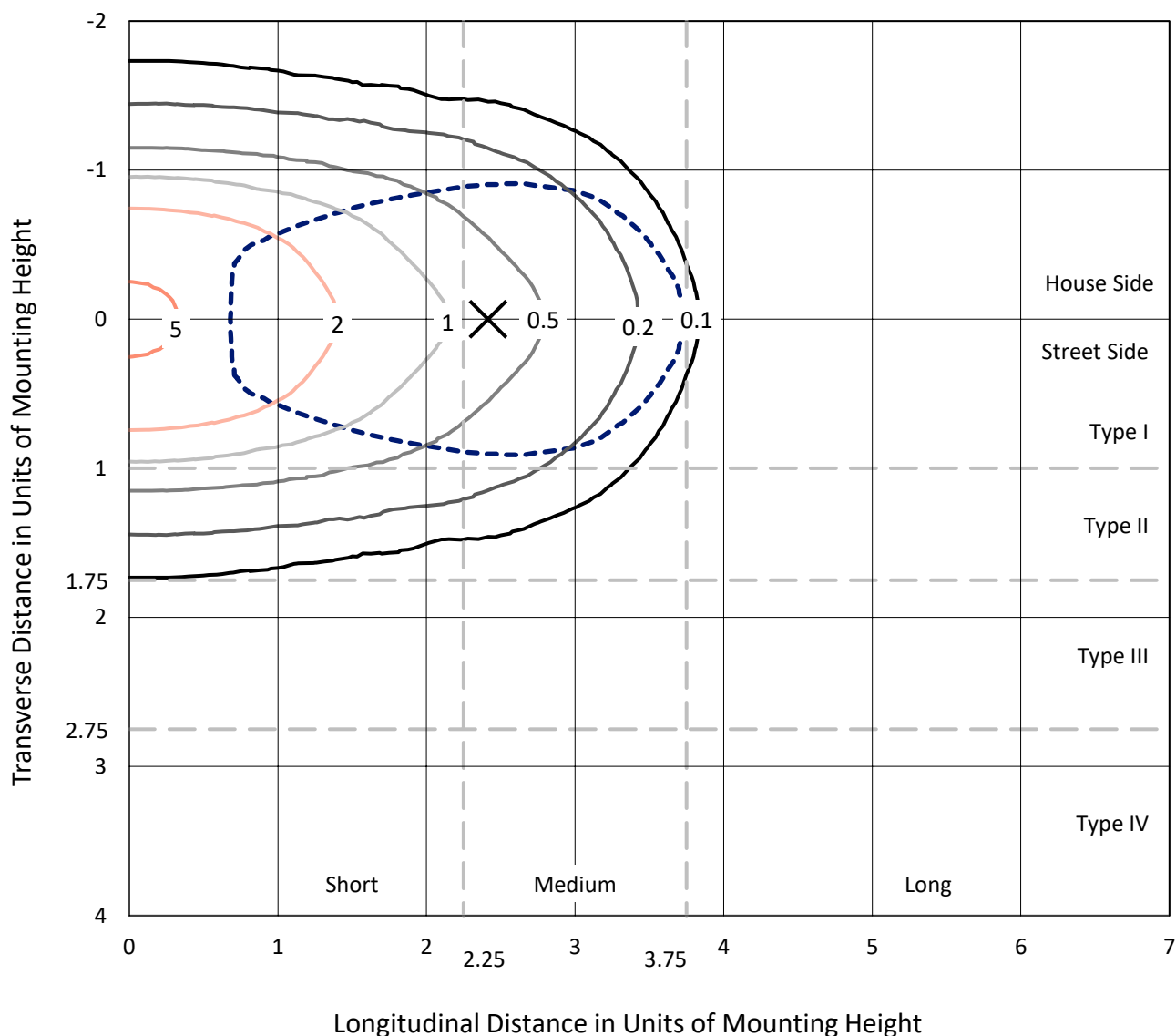
Lumens per Lamp: N/A
Luminaire Lumens: 5013.6 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1212052
 CATALOG NUMBER: GKO-PB1E-850-U-T1

Iso-Footcandle Lines of Horizontal Illumination

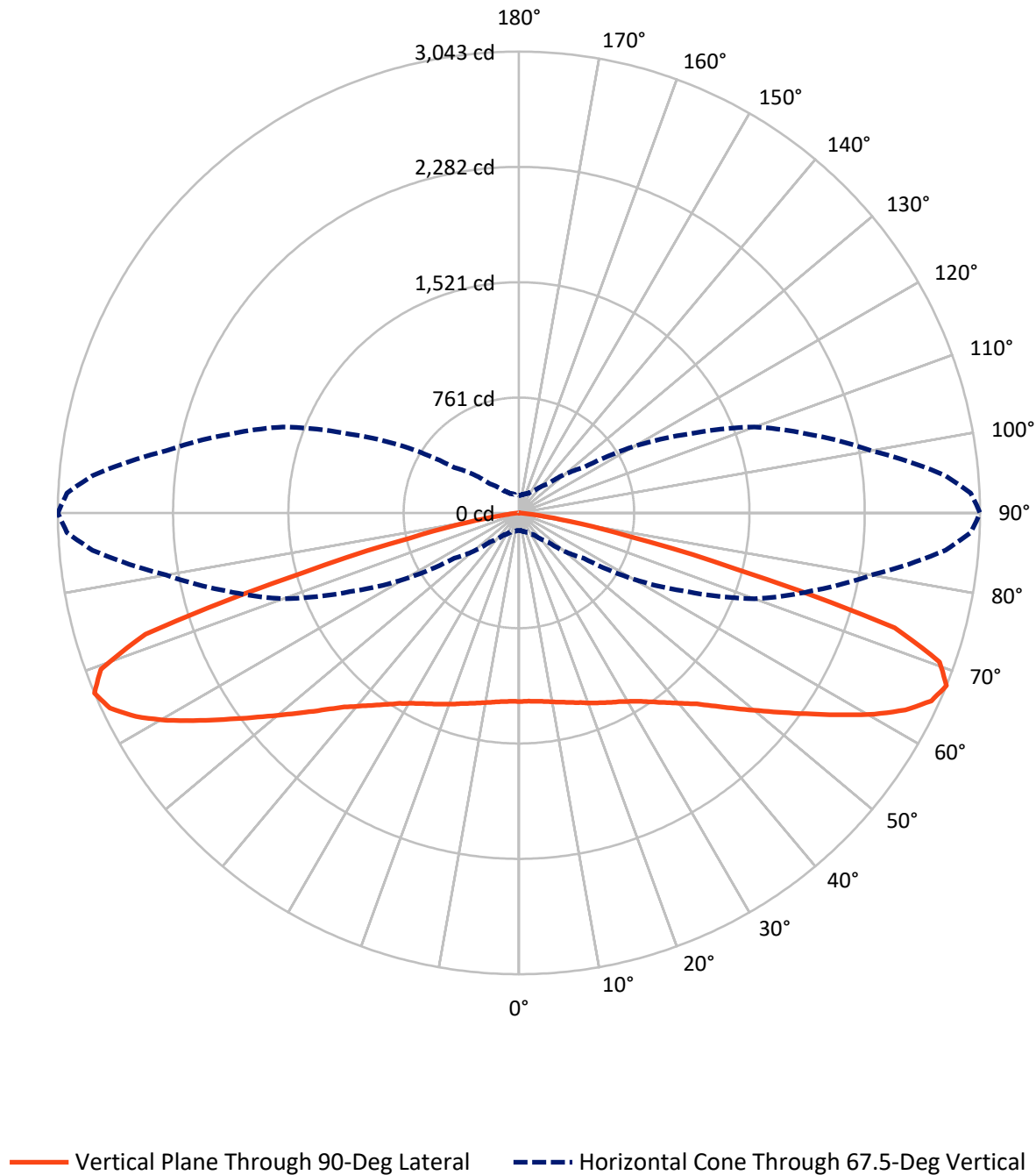
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type I - Short - N/A

REPORT NUMBER: P1212052
CATALOG NUMBER: GKO-PB1E-850-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212052

CATALOG NUMBER: GKO-PB1E-850-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2506.8	0.0	2506.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2506.8	0.0	2506.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5013.6	0.0	5013.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	2.4
10°-20°	359.5	7.2
20°-30°	597.9	11.9
30°-40°	794.2	15.8
40°-50°	895.4	17.9
50°-60°	920.7	18.4
60°-70°	870.1	17.4
70°-80°	425.9	8.5
80°-90°	30.5	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°	5013.6	100.0
0°-180°	5013.6	100.0

Coefficient of Utilization



REPORT NUMBER: P1212052

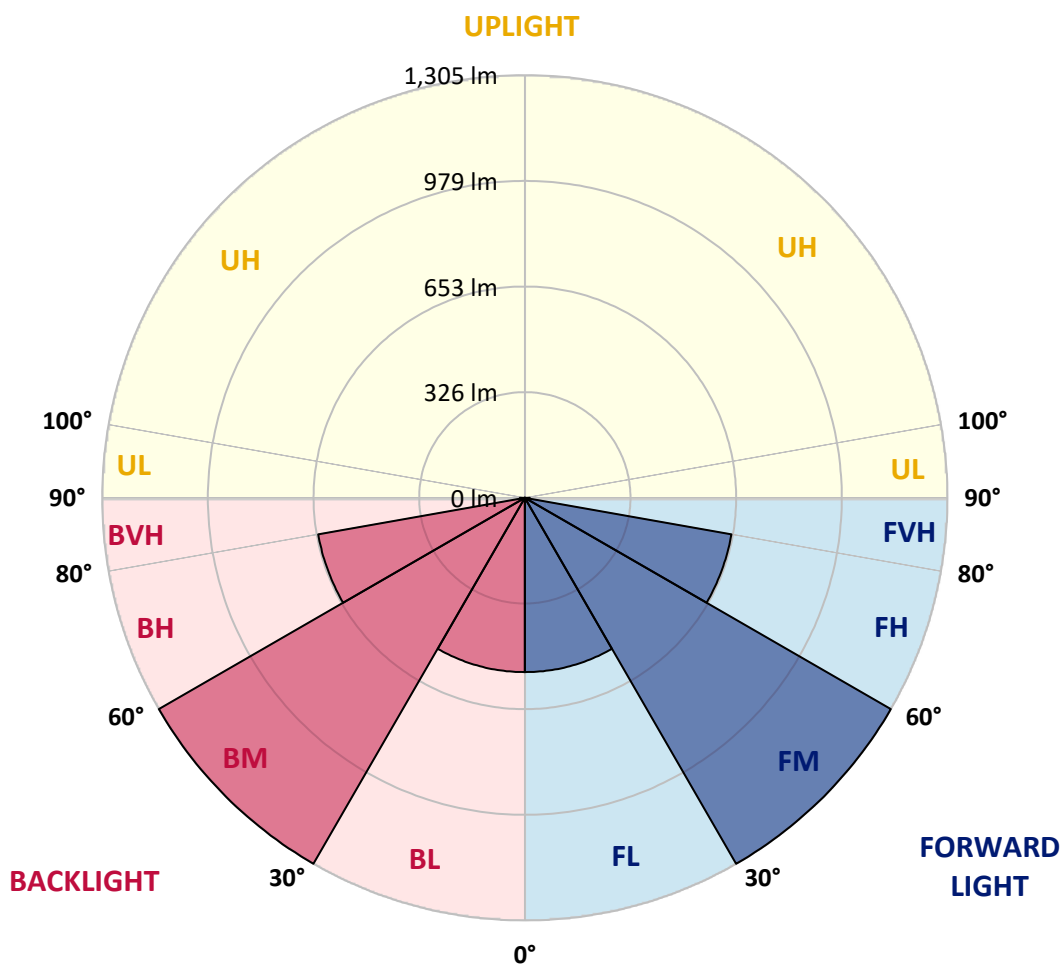
CATALOG NUMBER: GKO-PB1E-850-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	538.4	10.7			
FM	(30°-60°)	1305.2	26.0			
FH	(60°-80°)	648.0	12.9			G0/660
FVH	(80°-90°)	15.2	0.3			G1/100
BL	(0°-30°)	538.4	10.7	B2/1000		
BM	(30°-60°)	1305.2	26.0	B2/2500		
BH	(60°-80°)	648.0	12.9	B2/1000		G2/1000
BVH	(80°-90°)	15.2	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





REPORT NUMBER: P1212052

CATALOG NUMBER: GKO-PB1E-850-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1244.1	1244.1	1244.1	1244.1	1244.1	1244.1	1244.1	1244.1	1244.1	1244.1	1244.1
2.5°	1245.0	1246.9	1243.2	1243.2	1245.0	1245.9	1245.9	1246.9	1245.0	1245.0	1244.1
5°	1245.0	1245.9	1244.1	1244.1	1245.9	1248.7	1247.8	1249.6	1249.6	1248.7	1248.7
7.5°	1244.1	1245.9	1244.1	1245.0	1247.8	1253.3	1253.3	1253.3	1255.2	1257.0	1257.0
10°	1243.2	1245.0	1245.9	1246.9	1250.6	1258.9	1260.7	1261.6	1264.4	1267.2	1267.2
12.5°	1238.5	1240.4	1243.2	1246.9	1253.3	1264.4	1268.1	1270.9	1275.5	1278.3	1280.1
15°	1232.1	1233.0	1239.5	1246.9	1257.0	1270.9	1278.3	1282.9	1289.4	1293.1	1295.8
17.5°	1222.8	1223.7	1233.9	1245.0	1259.8	1279.2	1291.2	1298.6	1305.1	1310.6	1314.3
20°	1210.8	1213.6	1225.6	1243.2	1264.4	1287.5	1305.1	1318.0	1324.5	1330.0	1335.6
22.5°	1196.0	1198.8	1213.6	1238.5	1269.0	1298.6	1321.7	1338.4	1346.7	1354.1	1360.5
25°	1173.8	1177.5	1195.1	1227.4	1270.9	1310.6	1340.2	1361.5	1368.9	1378.1	1383.7
27.5°	1139.6	1142.4	1163.7	1205.3	1265.3	1323.6	1361.5	1386.4	1394.7	1404.9	1410.5
30°	1086.0	1091.6	1117.5	1169.2	1251.5	1333.7	1386.4	1411.4	1421.5	1431.7	1439.1
32.5°	1016.7	1025.0	1053.7	1120.2	1224.7	1337.4	1413.2	1441.9	1454.8	1465.9	1475.2
35°	930.8	939.1	973.3	1057.4	1182.2	1330.0	1440.0	1477.0	1492.7	1507.5	1518.6
37.5°	832.8	840.2	881.8	977.9	1121.2	1306.9	1461.3	1515.8	1537.1	1556.5	1571.3
40°	733.9	742.2	787.5	890.1	1047.2	1262.6	1470.5	1558.3	1585.1	1610.1	1628.6
42.5°	626.7	636.8	687.7	796.7	961.3	1201.6	1463.1	1599.9	1633.2	1667.4	1695.1
45°	531.5	533.3	588.8	694.1	867.0	1123.0	1437.3	1639.7	1685.0	1733.0	1772.8
47.5°	440.0	443.7	491.7	596.2	769.0	1034.3	1390.1	1671.1	1743.2	1805.1	1863.4
50°	358.6	363.2	406.7	500.0	671.0	937.2	1326.3	1689.6	1793.1	1877.2	1958.6
52.5°	292.1	297.6	333.7	415.9	572.1	835.6	1247.8	1692.4	1838.4	1949.3	2057.5
55°	243.1	246.8	274.5	340.1	476.9	730.2	1158.1	1678.5	1868.0	2014.0	2158.2
57.5°	205.2	208.9	228.3	280.1	391.0	622.0	1049.1	1646.1	1883.7	2070.4	2259.9
60°	178.4	181.2	195.0	232.0	321.7	520.4	931.7	1588.8	1879.1	2105.5	2344.0
62.5°	159.0	159.9	171.9	197.8	265.3	424.2	799.5	1502.9	1841.2	2110.1	2401.3
65°	141.4	142.3	149.7	168.2	218.1	341.1	661.8	1384.6	1769.1	2077.8	2409.6
67.5°	114.6	116.5	127.6	141.4	179.3	269.9	521.3	1229.3	1656.3	1993.7	2362.5
70°	91.5	92.4	103.5	119.2	146.0	212.6	400.2	1020.4	1479.8	1856.9	2240.5
72.5°	68.4	70.2	80.4	96.1	119.2	164.5	289.3	771.8	1183.1	1565.7	1951.2
75°	54.5	55.5	59.2	73.9	92.4	124.8	195.0	467.7	712.6	968.6	1196.0
77.5°	46.2	47.1	47.1	57.3	68.4	84.1	103.5	185.8	301.3	428.9	568.4
80°	37.9	39.7	36.0	42.5	49.0	49.0	48.1	88.7	142.3	201.5	264.3
82.5°	27.7	29.6	27.7	29.6	29.6	26.8	25.0	33.3	45.3	61.9	67.5
85°	19.4	20.3	22.2	20.3	19.4	15.7	12.0	9.2	5.5	6.5	9.2
87.5°	12.9	15.7	18.5	17.6	14.8	12.0	8.3	5.5	2.8	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212052
 CATALOG NUMBER: GKO-PB1E-850-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1244.1	1244.1	1244.1
2.5°	1245.0	1244.1	1243.2
5°	1249.6	1248.7	1247.8
7.5°	1256.1	1256.1	1256.1
10°	1266.3	1268.1	1268.1
12.5°	1279.2	1281.1	1281.1
15°	1294.9	1295.8	1297.7
17.5°	1314.3	1315.3	1315.3
20°	1337.4	1336.5	1338.4
22.5°	1360.5	1360.5	1360.5
25°	1384.6	1384.6	1384.6
27.5°	1412.3	1412.3	1410.5
30°	1442.8	1442.8	1442.8
32.5°	1479.8	1480.7	1481.6
35°	1526.9	1528.8	1531.5
37.5°	1580.5	1585.1	1587.9
40°	1644.3	1646.1	1650.8
42.5°	1715.5	1721.0	1721.9
45°	1804.2	1813.4	1817.1
47.5°	1908.6	1921.6	1928.1
50°	2025.1	2039.9	2049.1
52.5°	2151.7	2175.8	2186.9
55°	2286.7	2328.3	2340.3
57.5°	2439.2	2495.6	2512.2
60°	2588.9	2668.4	2695.2
62.5°	2716.5	2828.3	2861.6
65°	2806.1	2941.1	2990.1
67.5°	2824.6	2984.5	3042.7
70°	2713.7	2877.3	2944.8
72.5°	2359.7	2507.6	2591.7
75°	1393.8	1500.1	1474.2
77.5°	699.7	730.2	734.8
80°	306.9	325.3	332.7
82.5°	75.8	77.6	87.8
85°	10.2	12.0	11.1
87.5°	3.7	3.7	4.6
90°	0.0	0.0	0.0

(END OF REPORT)