

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: P1212058

Luminaire Tested: **GKO-PB2D-850-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212058
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-850-U-T1
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

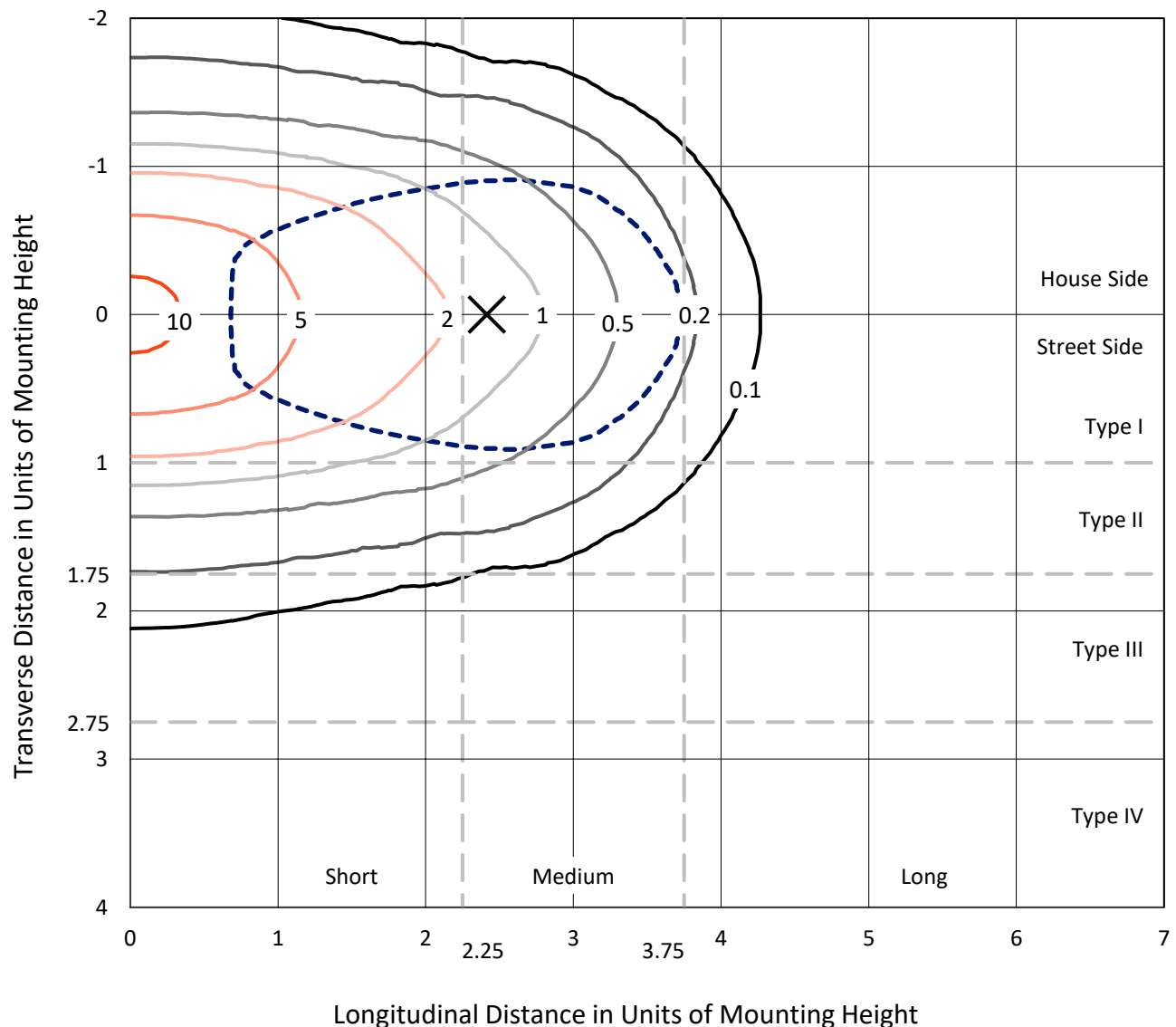
Lumens per Lamp: N/A
Luminaire Lumens: 10085.4 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 76.2
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

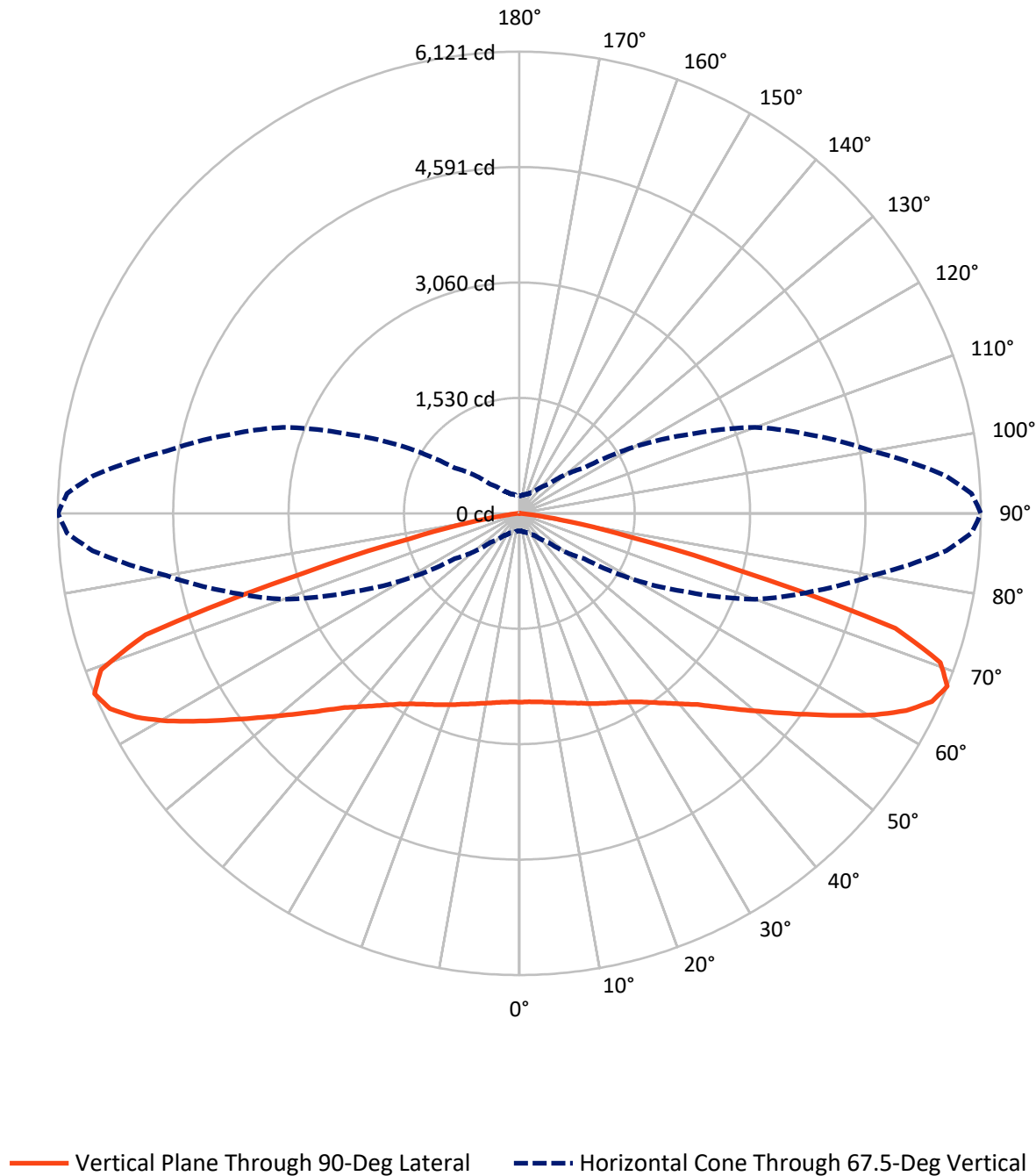
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.1 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	5042.7	0.0	5042.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5042.7	0.0	5042.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10085.4	0.0	10085.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	2.4
10°-20°	723.3	7.2
20°-30°	1202.7	11.9
30°-40°	1597.7	15.8
40°-50°	1801.2	17.9
50°-60°	1852.2	18.4
60°-70°	1750.3	17.4
70°-80°	856.8	8.5
80°-90°	61.3	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°	10085.4	100.0
0°-180°	10085.4	100.0

Coefficient of Utilization



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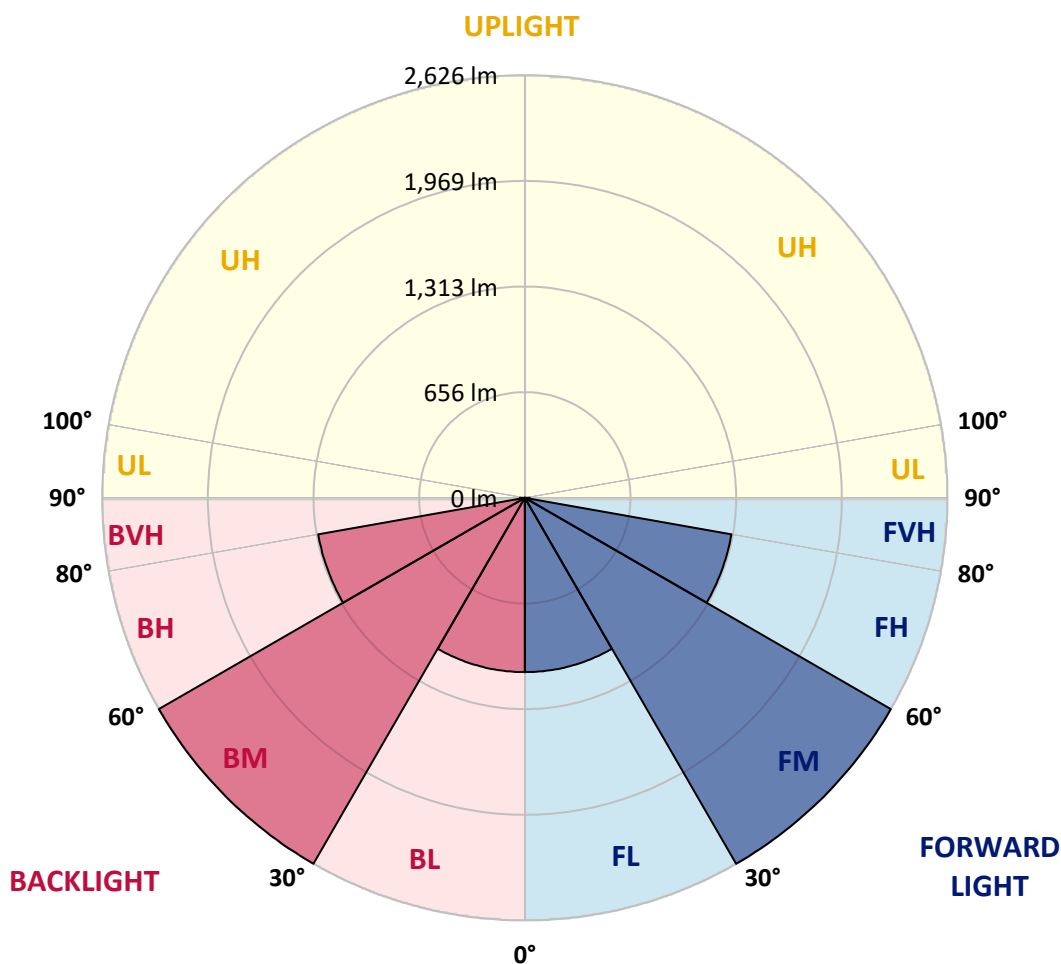
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1083.0	10.7			
FM	(30°-60°)	2625.5	26.0			
FH	(60°-80°)	1303.6	12.9			G1/1800
FVH	(80°-90°)	30.6	0.3			G1/100
BL	(0°-30°)	1083.0	10.7	B3/2500		
BM	(30°-60°)	2625.5	26.0	B3/5000		
BH	(60°-80°)	1303.6	12.9	B3/2500		G3/2500
BVH	(80°-90°)	30.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	2502.6	2502.6	2502.6	2502.6	2502.6	2502.6	2502.6	2502.6	2502.6	2502.6	2502.6
2.5°	2504.5	2508.2	2500.8	2500.8	2504.5	2506.3	2506.3	2508.2	2504.5	2504.5	2502.6
5°	2504.5	2506.3	2502.6	2502.6	2506.3	2511.9	2510.0	2513.8	2513.8	2511.9	2511.9
7.5°	2502.6	2506.3	2502.6	2504.5	2510.0	2521.2	2521.2	2521.2	2524.9	2528.6	2528.6
10°	2500.8	2504.5	2506.3	2508.2	2515.6	2532.4	2536.1	2537.9	2543.5	2549.1	2549.1
12.5°	2491.5	2495.2	2500.8	2508.2	2521.2	2543.5	2551.0	2556.5	2565.8	2571.4	2575.1
15°	2478.4	2480.3	2493.3	2508.2	2528.6	2556.5	2571.4	2580.7	2593.7	2601.2	2606.7
17.5°	2459.8	2461.7	2482.2	2504.5	2534.2	2573.3	2597.4	2612.3	2625.3	2636.5	2643.9
20°	2435.7	2441.3	2465.4	2500.8	2543.5	2590.0	2625.3	2651.4	2664.4	2675.5	2686.7
22.5°	2405.9	2411.5	2441.3	2491.5	2552.8	2612.3	2658.8	2692.3	2709.0	2723.9	2736.9
25°	2361.3	2368.7	2404.1	2469.1	2556.5	2636.5	2696.0	2738.7	2753.6	2772.2	2783.4
27.5°	2292.5	2298.1	2340.9	2424.5	2545.4	2662.5	2738.7	2788.9	2805.7	2826.1	2837.3
30°	2184.7	2195.8	2247.9	2352.0	2517.5	2683.0	2788.9	2839.1	2859.6	2880.0	2894.9
32.5°	2045.2	2062.0	2119.6	2253.5	2463.6	2690.4	2842.9	2900.5	2926.5	2948.8	2967.4
35°	1872.3	1889.0	1957.8	2127.0	2378.0	2675.5	2896.8	2971.2	3002.8	3032.5	3054.8
37.5°	1675.2	1690.1	1773.8	1967.1	2255.3	2629.0	2939.5	3049.2	3092.0	3131.1	3160.8
40°	1476.3	1493.0	1584.1	1790.5	2106.6	2539.8	2958.1	3134.8	3188.7	3238.9	3276.1
42.5°	1260.6	1281.1	1383.3	1602.7	1933.7	2417.1	2943.3	3218.4	3285.4	3354.2	3409.9
45°	1069.1	1072.8	1184.4	1396.3	1744.0	2259.0	2891.2	3298.4	3389.5	3486.2	3566.1
47.5°	885.0	892.5	989.1	1199.2	1546.9	2080.6	2796.4	3361.6	3506.6	3631.2	3748.3
50°	721.4	730.7	818.1	1005.9	1349.8	1885.3	2668.1	3398.8	3607.0	3776.2	3939.8
52.5°	587.5	598.7	671.2	836.7	1150.9	1680.8	2510.0	3404.4	3698.1	3921.3	4138.8
55°	489.0	496.4	552.2	684.2	959.4	1468.8	2329.7	3376.5	3757.6	4051.4	4341.5
57.5°	412.8	420.2	459.2	563.4	786.5	1251.3	2110.3	3311.4	3789.2	4164.8	4546.0
60°	358.8	364.4	392.3	466.7	647.0	1046.8	1874.2	3196.1	3779.9	4235.5	4715.2
62.5°	319.8	321.7	345.8	397.9	533.6	853.4	1608.3	3023.2	3703.7	4244.8	4830.4
65°	284.5	286.3	301.2	338.4	438.8	686.1	1331.3	2785.2	3558.7	4179.7	4847.2
67.5°	230.6	234.3	256.6	284.5	360.7	542.9	1048.6	2472.9	3331.9	4010.5	4752.4
70°	184.1	185.9	208.2	239.8	293.8	427.6	805.1	2052.7	2976.7	3735.3	4506.9
72.5°	137.6	141.3	161.8	193.4	239.8	331.0	582.0	1552.5	2379.9	3149.6	3925.0
75°	109.7	111.6	119.0	148.7	185.9	251.0	392.3	940.8	1433.5	1948.5	2405.9
77.5°	93.0	94.8	94.8	115.3	137.6	169.2	208.2	373.7	606.1	862.7	1143.5
80°	76.2	79.9	72.5	85.5	98.5	98.5	96.7	178.5	286.3	405.3	531.8
82.5°	55.8	59.5	55.8	59.5	59.5	53.9	50.2	66.9	91.1	124.6	135.7
85°	39.0	40.9	44.6	40.9	39.0	31.6	24.2	18.6	11.2	13.0	18.6
87.5°	26.0	31.6	37.2	35.3	29.7	24.2	16.7	11.2	5.6	7.4	7.4
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°	2502.6	2502.6	2502.6
2.5°	2504.5	2502.6	2500.8
5°	2513.8	2511.9	2510.0
7.5°	2526.8	2526.8	2526.8
10°	2547.2	2551.0	2551.0
12.5°	2573.3	2577.0	2577.0
15°	2604.9	2606.7	2610.4
17.5°	2643.9	2645.8	2645.8
20°	2690.4	2688.5	2692.3
22.5°	2736.9	2736.9	2736.9
25°	2785.2	2785.2	2785.2
27.5°	2841.0	2841.0	2837.3
30°	2902.4	2902.4	2902.4
32.5°	2976.7	2978.6	2980.4
35°	3071.6	3075.3	3080.9
37.5°	3179.4	3188.7	3194.3
40°	3307.7	3311.4	3320.7
42.5°	3450.9	3462.0	3463.9
45°	3629.3	3647.9	3655.4
47.5°	3839.4	3865.5	3878.5
50°	4073.7	4103.5	4122.1
52.5°	4328.4	4376.8	4399.1
55°	4599.9	4683.6	4707.7
57.5°	4906.7	5020.1	5053.6
60°	5207.9	5367.8	5421.7
62.5°	5464.5	5689.4	5756.4
65°	5644.8	5916.3	6014.8
67.5°	5682.0	6003.7	6120.8
70°	5458.9	5788.0	5923.7
72.5°	4746.8	5044.3	5213.5
75°	2803.8	3017.6	2965.6
77.5°	1407.5	1468.8	1478.1
80°	617.3	654.5	669.3
82.5°	152.5	156.2	176.6
85°	20.5	24.2	22.3
87.5°	7.4	7.4	9.3
90°	0.0	0.0	0.0

(END OF REPORT)