

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: P1212038

Luminaire Tested: **GKO-PB2D-835-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212038
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-835-U-T1
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

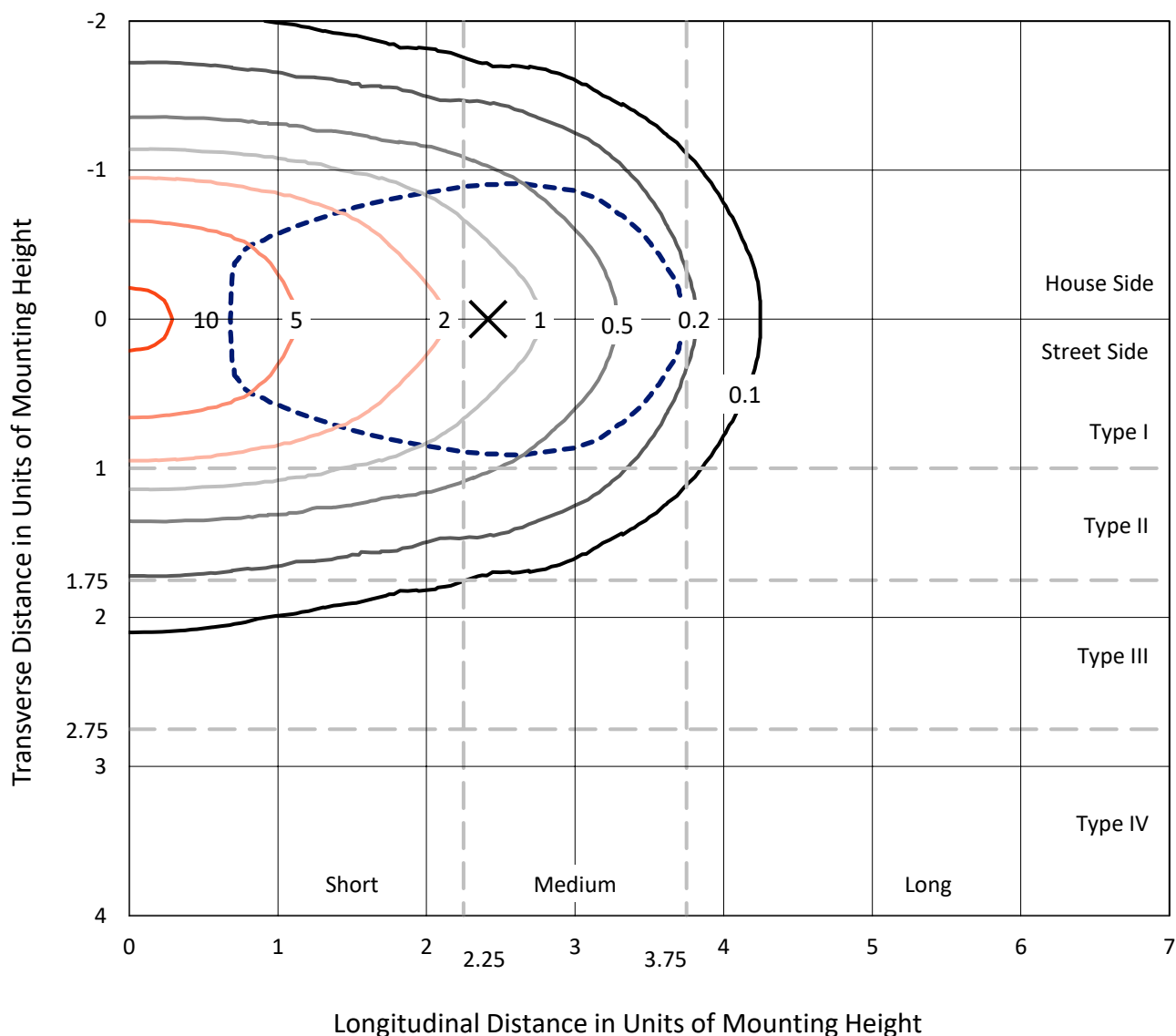
Lumens per Lamp: N/A
Luminaire Lumens: 9768.9 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): 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

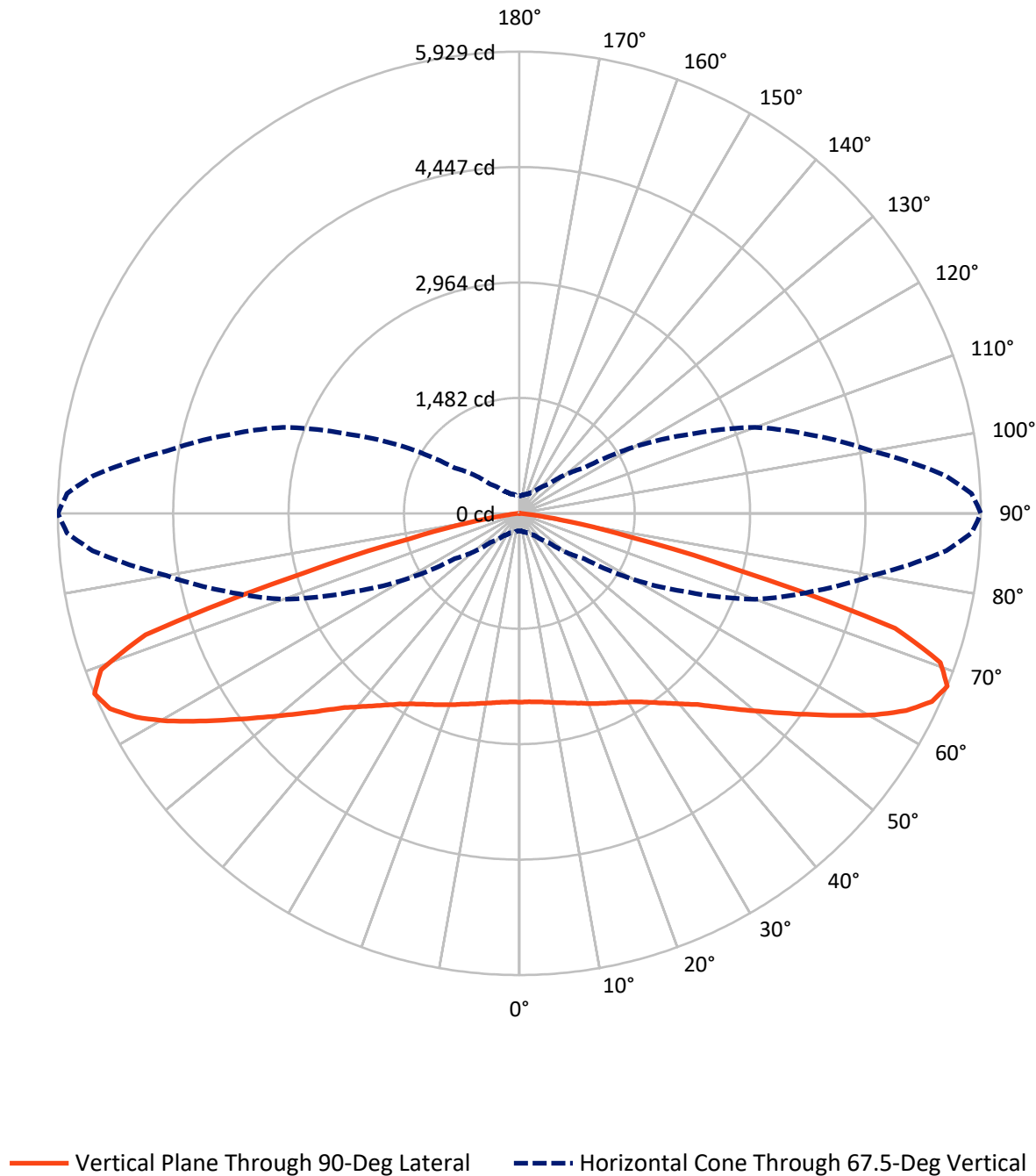
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.8 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	4884.4	0.0	4884.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4884.4	0.0	4884.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9768.9	0.0	9768.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	2.4
10°-20°	700.6	7.2
20°-30°	1164.9	11.9
30°-40°	1547.5	15.8
40°-50°	1744.7	17.9
50°-60°	1794.0	18.4
60°-70°	1695.4	17.4
70°-80°	829.9	8.5
80°-90°	59.3	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°	9768.9	100.0
0°-180°	9768.9	100.0

Coefficient of Utilization



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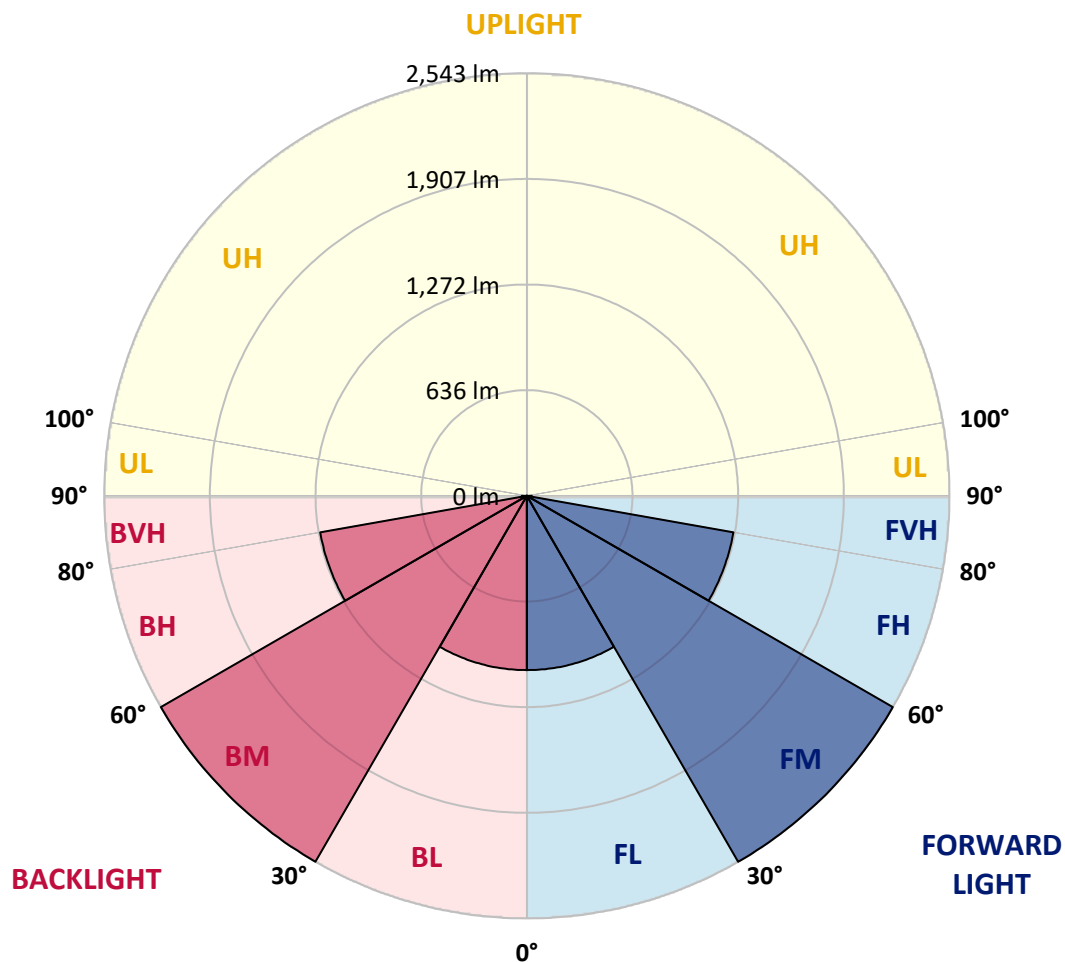
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1049.0	10.7			
FM	(30°-60°)	2543.1	26.0			
FH	(60°-80°)	1262.7	12.9			G1/1800
FVH	(80°-90°)	29.7	0.3			G1/100
BL	(0°-30°)	1049.0	10.7	B3/2500		
BM	(30°-60°)	2543.1	26.0	B3/5000		
BH	(60°-80°)	1262.7	12.9	B3/2500		G3/2500
BVH	(80°-90°)	29.7	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°	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1
2.5°	2425.9	2429.5	2422.3	2422.3	2425.9	2427.7	2427.7	2429.5	2425.9	2425.9	2424.1
5°	2425.9	2427.7	2424.1	2424.1	2427.7	2433.1	2431.3	2434.9	2434.9	2433.1	2433.1
7.5°	2424.1	2427.7	2424.1	2425.9	2431.3	2442.1	2442.1	2442.1	2445.7	2449.3	2449.3
10°	2422.3	2425.9	2427.7	2429.5	2436.7	2452.9	2456.5	2458.3	2463.7	2469.1	2469.1
12.5°	2413.3	2416.9	2422.3	2429.5	2442.1	2463.7	2470.9	2476.3	2485.3	2490.7	2494.3
15°	2400.7	2402.5	2415.1	2429.5	2449.3	2476.3	2490.7	2499.7	2512.3	2519.5	2524.9
17.5°	2382.6	2384.4	2404.3	2425.9	2454.7	2492.5	2515.9	2530.3	2542.9	2553.7	2560.9
20°	2359.2	2364.6	2388.0	2422.3	2463.7	2508.7	2542.9	2568.1	2580.7	2591.6	2602.4
22.5°	2330.4	2335.8	2364.6	2413.3	2472.7	2530.3	2575.3	2607.8	2624.0	2638.4	2651.0
25°	2287.2	2294.4	2328.6	2391.6	2476.3	2553.7	2611.4	2652.8	2667.2	2685.2	2696.0
27.5°	2220.6	2226.0	2267.4	2348.4	2465.5	2578.9	2652.8	2701.4	2717.6	2737.4	2748.2
30°	2116.1	2126.9	2177.3	2278.2	2438.5	2598.8	2701.4	2750.0	2769.8	2789.7	2804.1
32.5°	1981.0	1997.2	2053.1	2182.7	2386.2	2606.0	2753.6	2809.5	2834.7	2856.3	2874.3
35°	1813.5	1829.8	1896.4	2060.3	2303.4	2591.6	2805.9	2877.9	2908.5	2937.3	2958.9
37.5°	1622.6	1637.1	1718.1	1905.4	2184.5	2546.5	2847.3	2953.5	2995.0	3032.8	3061.6
40°	1429.9	1446.2	1534.4	1734.3	2040.5	2460.1	2865.3	3036.4	3088.6	3137.2	3173.3
42.5°	1221.0	1240.8	1339.9	1552.4	1873.0	2341.2	2850.9	3117.4	3182.3	3248.9	3302.9
45°	1035.5	1039.1	1147.2	1352.5	1689.3	2188.1	2800.5	3194.9	3283.1	3376.8	3454.2
47.5°	857.2	864.5	958.1	1161.6	1498.4	2015.3	2708.6	3256.1	3396.6	3517.2	3630.7
50°	698.8	707.8	792.4	974.3	1307.5	1826.2	2584.3	3292.1	3493.8	3657.7	3816.2
52.5°	569.1	579.9	650.1	810.4	1114.8	1628.0	2431.3	3297.5	3582.1	3798.2	4008.9
55°	473.6	480.9	534.9	662.7	929.3	1422.7	2256.6	3270.5	3639.7	3924.2	4205.2
57.5°	399.8	407.0	444.8	545.7	761.8	1212.0	2044.1	3207.5	3670.3	4034.1	4403.3
60°	347.6	353.0	380.0	452.0	626.7	1013.9	1815.3	3095.8	3661.3	4102.5	4567.2
62.5°	309.8	311.6	335.0	385.4	516.9	826.6	1557.8	2928.3	3587.5	4111.5	4678.8
65°	275.5	277.3	291.8	327.8	425.0	664.5	1289.5	2697.8	3447.0	4048.5	4695.1
67.5°	223.3	226.9	248.5	275.5	349.4	525.9	1015.7	2395.3	3227.3	3884.6	4603.2
70°	178.3	180.1	201.7	232.3	284.5	414.2	779.8	1988.2	2883.3	3618.1	4365.5
72.5°	133.3	136.9	156.7	187.3	232.3	320.6	563.7	1503.8	2305.2	3050.8	3801.8
75°	106.3	108.1	115.3	144.1	180.1	243.1	380.0	911.3	1388.5	1887.4	2330.4
77.5°	90.0	91.8	91.8	111.7	133.3	163.9	201.7	362.0	587.1	835.6	1107.6
80°	73.8	77.4	70.2	82.8	95.4	95.4	93.6	172.9	277.3	392.6	515.1
82.5°	54.0	57.6	54.0	57.6	57.6	52.2	48.6	64.8	88.2	120.7	131.5
85°	37.8	39.6	43.2	39.6	37.8	30.6	23.4	18.0	10.8	12.6	18.0
87.5°	25.2	30.6	36.0	34.2	28.8	23.4	16.2	10.8	5.4	7.2	7.2
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°	2424.1	2424.1	2424.1
2.5°	2425.9	2424.1	2422.3
5°	2434.9	2433.1	2431.3
7.5°	2447.5	2447.5	2447.5
10°	2467.3	2470.9	2470.9
12.5°	2492.5	2496.1	2496.1
15°	2523.1	2524.9	2528.5
17.5°	2560.9	2562.7	2562.7
20°	2606.0	2604.2	2607.8
22.5°	2651.0	2651.0	2651.0
25°	2697.8	2697.8	2697.8
27.5°	2751.8	2751.8	2748.2
30°	2811.3	2811.3	2811.3
32.5°	2883.3	2885.1	2886.9
35°	2975.2	2978.8	2984.2
37.5°	3079.6	3088.6	3094.0
40°	3203.9	3207.5	3216.5
42.5°	3342.5	3353.4	3355.2
45°	3515.4	3533.4	3540.6
47.5°	3718.9	3744.2	3756.8
50°	3945.9	3974.7	3992.7
52.5°	4192.6	4239.4	4261.0
55°	4455.5	4536.6	4560.0
57.5°	4752.7	4862.5	4895.0
60°	5044.4	5199.3	5251.5
62.5°	5293.0	5510.9	5575.7
65°	5467.7	5730.6	5826.0
67.5°	5503.7	5815.2	5928.7
70°	5287.6	5606.3	5737.8
72.5°	4597.8	4886.0	5049.8
75°	2715.8	2922.9	2872.5
77.5°	1363.3	1422.7	1431.7
80°	597.9	633.9	648.3
82.5°	147.7	151.3	171.1
85°	19.8	23.4	21.6
87.5°	7.2	7.2	9.0
90°	0.0	0.0	0.0

(END OF REPORT)