

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: P1212018

Luminaire Tested: **GKO-PB2D-827-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212018
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-827-U-T1
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

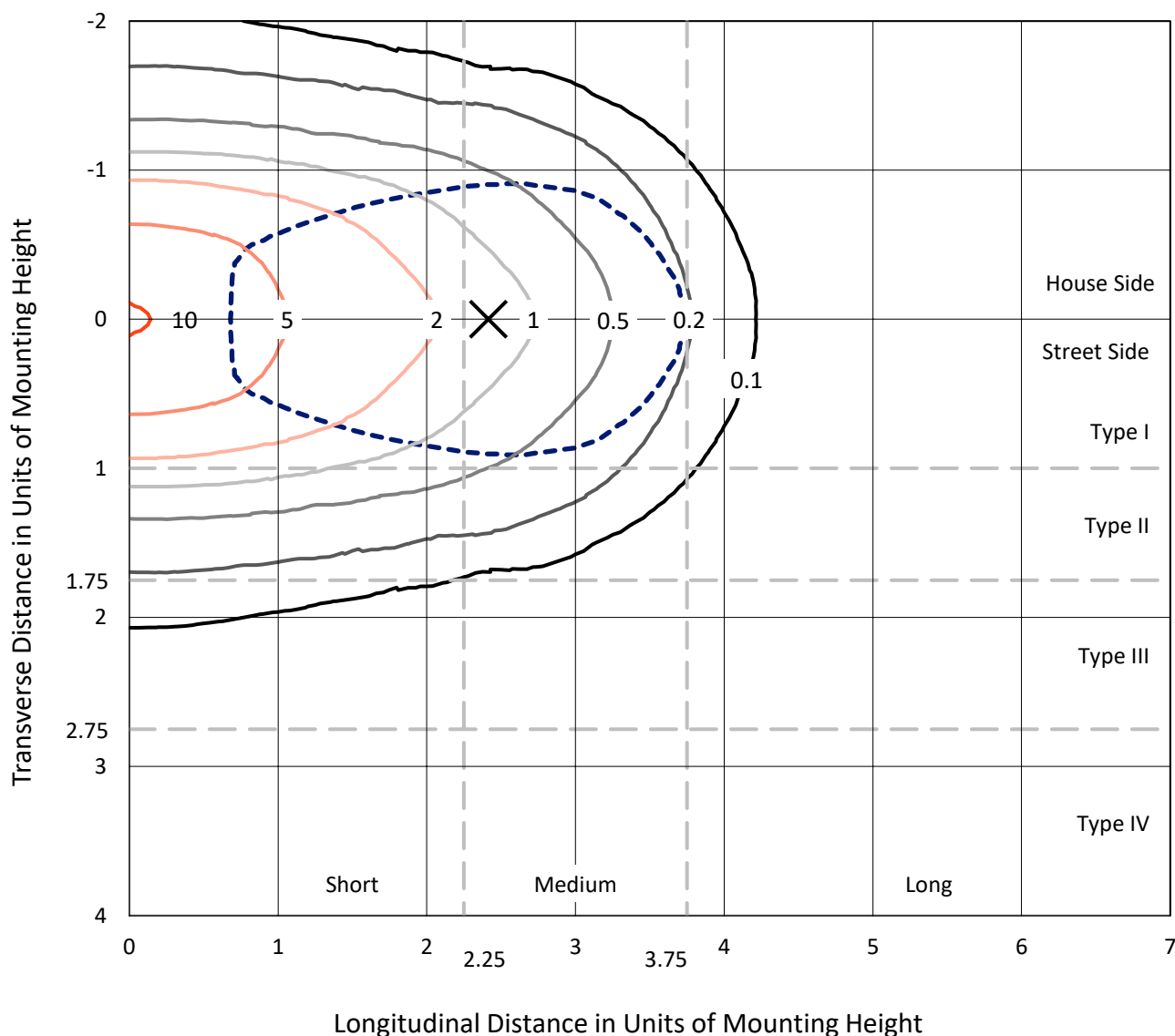
Lumens per Lamp: N/A
Luminaire Lumens: 9255.9 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

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

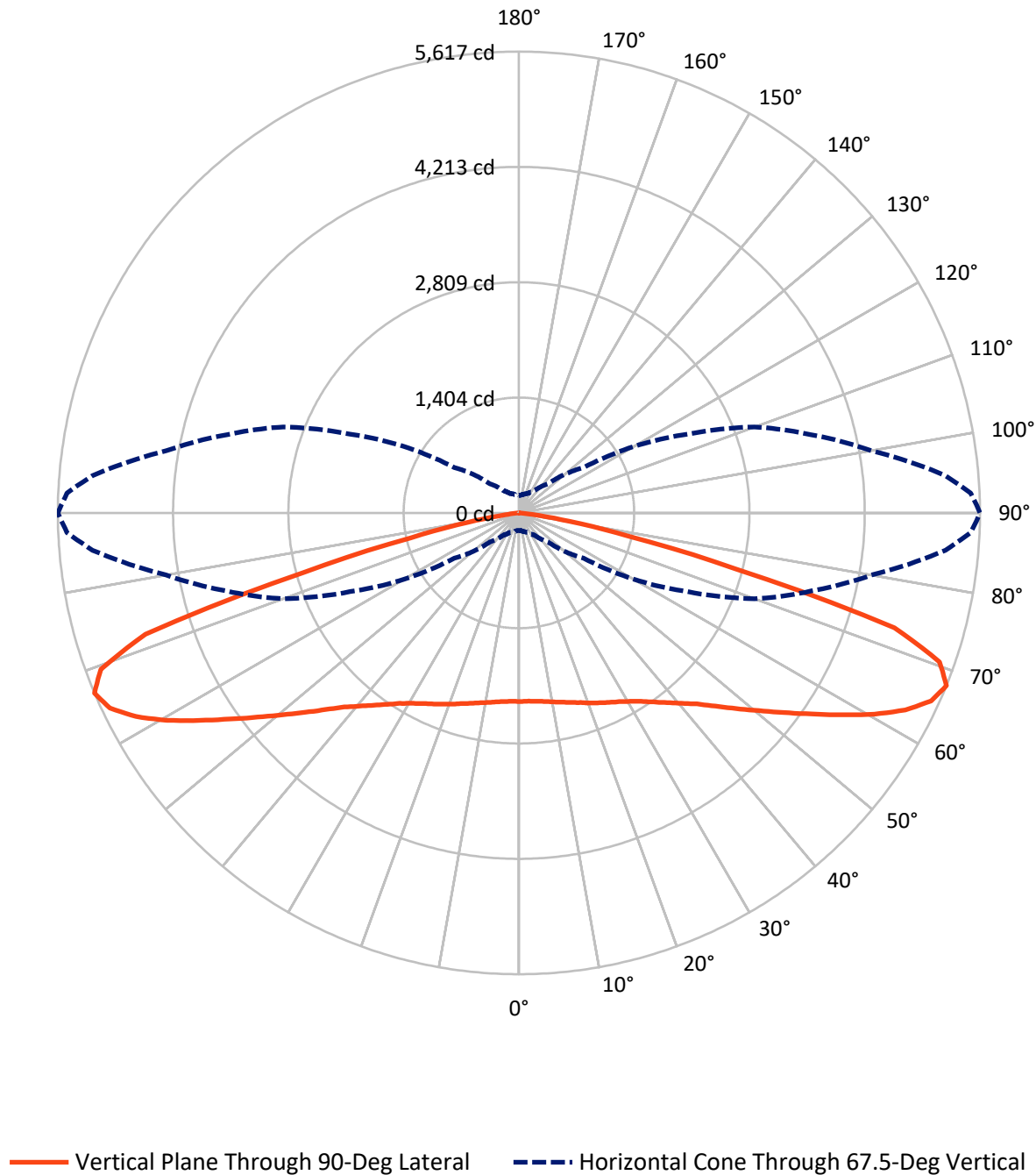
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.2 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	4627.9	0.0	4627.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4627.9	0.0	4627.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9255.9	0.0	9255.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.3	2.4
10°-20°	663.8	7.2
20°-30°	1103.7	11.9
30°-40°	1466.3	15.8
40°-50°	1653.0	17.9
50°-60°	1699.8	18.4
60°-70°	1606.4	17.4
70°-80°	786.4	8.5
80°-90°	56.2	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°	9255.9	100.0
0°-180°	9255.9	100.0

Coefficient of Utilization



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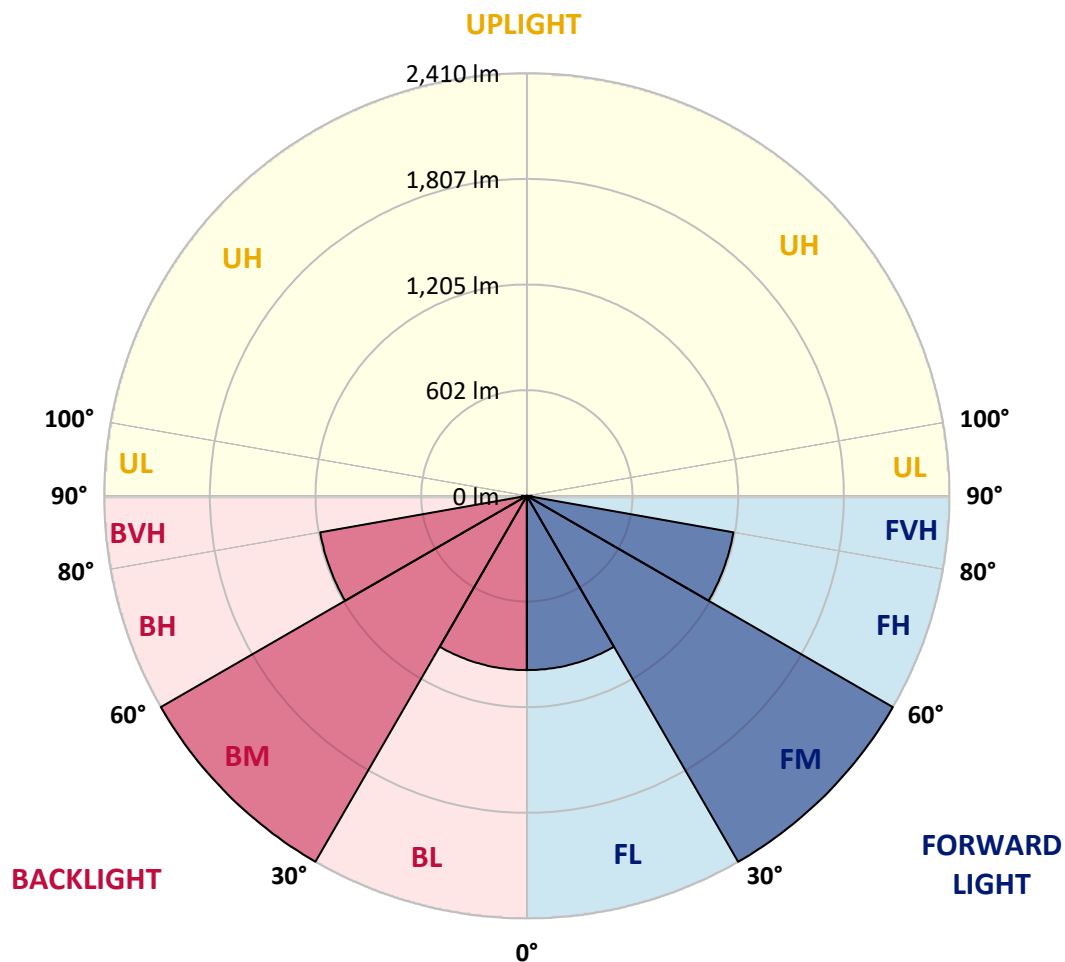
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	993.9	10.7			
FM	(30°-60°)	2409.6	26.0			
FH	(60°-80°)	1196.4	12.9			G1/1800
FVH	(80°-90°)	28.1	0.3			G1/100
BL	(0°-30°)	993.9	10.7	B2/1000		
BM	(30°-60°)	2409.6	26.0	B2/2500		
BH	(60°-80°)	1196.4	12.9	B3/2500		G3/2500
BVH	(80°-90°)	28.1	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°	2296.8	2296.8	2296.8	2296.8	2296.8	2296.8	2296.8	2296.8	2296.8	2296.8	2296.8
2.5°	2298.5	2301.9	2295.1	2295.1	2298.5	2300.2	2300.2	2301.9	2298.5	2298.5	2296.8
5°	2298.5	2300.2	2296.8	2296.8	2300.2	2305.3	2303.6	2307.0	2307.0	2305.3	2305.3
7.5°	2296.8	2300.2	2296.8	2298.5	2303.6	2313.8	2313.8	2313.8	2317.2	2320.7	2320.7
10°	2295.1	2298.5	2300.2	2301.9	2308.7	2324.1	2327.5	2329.2	2334.3	2339.4	2339.4
12.5°	2286.5	2289.9	2295.1	2301.9	2313.8	2334.3	2341.1	2346.3	2354.8	2359.9	2363.3
15°	2274.6	2276.3	2288.2	2301.9	2320.7	2346.3	2359.9	2368.4	2380.4	2387.2	2392.3
17.5°	2257.5	2259.2	2278.0	2298.5	2325.8	2361.6	2383.8	2397.4	2409.4	2419.6	2426.5
20°	2235.3	2240.5	2262.6	2295.1	2334.3	2377.0	2409.4	2433.3	2445.2	2455.5	2465.7
22.5°	2208.0	2213.2	2240.5	2286.5	2342.8	2397.4	2440.1	2470.8	2486.2	2499.8	2511.8
25°	2167.1	2173.9	2206.3	2266.1	2346.3	2419.6	2474.2	2513.5	2527.1	2544.2	2554.4
27.5°	2103.9	2109.1	2148.3	2225.1	2336.0	2443.5	2513.5	2559.5	2574.9	2593.7	2603.9
30°	2005.0	2015.2	2063.0	2158.6	2310.4	2462.3	2559.5	2605.6	2624.4	2643.2	2656.8
32.5°	1877.0	1892.4	1945.3	2068.1	2260.9	2469.1	2609.0	2661.9	2685.8	2706.3	2723.4
35°	1718.3	1733.7	1796.8	1952.1	2182.4	2455.5	2658.5	2726.8	2755.8	2783.1	2803.6
37.5°	1537.4	1551.1	1627.9	1805.3	2069.8	2412.8	2697.8	2798.4	2837.7	2873.5	2900.8
40°	1354.9	1370.2	1453.8	1643.2	1933.3	2330.9	2714.8	2876.9	2926.4	2972.5	3006.6
42.5°	1156.9	1175.7	1269.5	1470.9	1774.6	2218.3	2701.2	2953.7	3015.1	3078.3	3129.5
45°	981.2	984.6	1087.0	1281.5	1600.6	2073.2	2653.4	3027.1	3110.7	3199.4	3272.8
47.5°	812.2	819.1	907.8	1100.6	1419.7	1909.4	2566.4	3085.1	3218.2	3332.5	3440.0
50°	662.1	670.6	750.8	923.1	1238.8	1730.3	2448.6	3119.2	3310.3	3465.6	3615.8
52.5°	539.2	549.4	616.0	767.9	1056.2	1542.6	2303.6	3124.4	3394.0	3598.7	3798.4
55°	448.8	455.6	506.8	627.9	880.5	1348.0	2138.1	3098.8	3448.6	3718.2	3984.4
57.5°	378.8	385.6	421.5	517.0	721.8	1148.4	1936.7	3039.0	3477.6	3822.3	4172.1
60°	329.3	334.4	360.0	428.3	593.8	960.7	1720.0	2933.2	3469.0	3887.1	4327.3
62.5°	293.5	295.2	317.4	365.2	489.7	783.2	1476.0	2774.6	3399.1	3895.6	4433.1
65°	261.1	262.8	276.4	310.6	402.7	629.6	1221.8	2556.1	3266.0	3835.9	4448.5
67.5°	211.6	215.0	235.5	261.1	331.0	498.3	962.4	2269.5	3057.8	3680.6	4361.5
70°	168.9	170.6	191.1	220.1	269.6	392.5	738.9	1883.8	2731.9	3428.1	4136.2
72.5°	126.3	129.7	148.5	177.5	220.1	303.7	534.1	1424.8	2184.1	2890.6	3602.1
75°	100.7	102.4	109.2	136.5	170.6	230.4	360.0	863.4	1315.6	1788.3	2208.0
77.5°	85.3	87.0	87.0	105.8	126.3	155.3	191.1	343.0	556.3	791.8	1049.4
80°	70.0	73.4	66.5	78.5	90.4	90.4	88.7	163.8	262.8	372.0	488.0
82.5°	51.2	54.6	51.2	54.6	54.6	49.5	46.1	61.4	83.6	114.3	124.6
85°	35.8	37.5	41.0	37.5	35.8	29.0	22.2	17.1	10.2	11.9	17.1
87.5°	23.9	29.0	34.1	32.4	27.3	22.2	15.4	10.2	5.1	6.8	6.8
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°	2296.8	2296.8	2296.8
2.5°	2298.5	2296.8	2295.1
5°	2307.0	2305.3	2303.6
7.5°	2319.0	2319.0	2319.0
10°	2337.7	2341.1	2341.1
12.5°	2361.6	2365.0	2365.0
15°	2390.6	2392.3	2395.7
17.5°	2426.5	2428.2	2428.2
20°	2469.1	2467.4	2470.8
22.5°	2511.8	2511.8	2511.8
25°	2556.1	2556.1	2556.1
27.5°	2607.3	2607.3	2603.9
30°	2663.6	2663.6	2663.6
32.5°	2731.9	2733.6	2735.3
35°	2818.9	2822.3	2827.4
37.5°	2917.9	2926.4	2931.5
40°	3035.6	3039.0	3047.6
42.5°	3167.0	3177.3	3179.0
45°	3330.8	3347.9	3354.7
47.5°	3523.6	3547.5	3559.5
50°	3738.6	3765.9	3783.0
52.5°	3972.4	4016.8	4037.3
55°	4221.5	4298.3	4320.5
57.5°	4503.1	4607.2	4637.9
60°	4779.5	4926.3	4975.8
62.5°	5015.0	5221.5	5282.9
65°	5180.5	5429.7	5520.1
67.5°	5214.7	5509.9	5617.4
70°	5009.9	5311.9	5436.5
72.5°	4356.4	4629.4	4784.6
75°	2573.2	2769.4	2721.7
77.5°	1291.7	1348.0	1356.6
80°	566.5	600.6	614.3
82.5°	139.9	143.3	162.1
85°	18.8	22.2	20.5
87.5°	6.8	6.8	8.5
90°	0.0	0.0	0.0

(END OF REPORT)