

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: P1212047

Luminaire Tested: **GKO-PB2E-840-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212047
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-840-U-T1
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

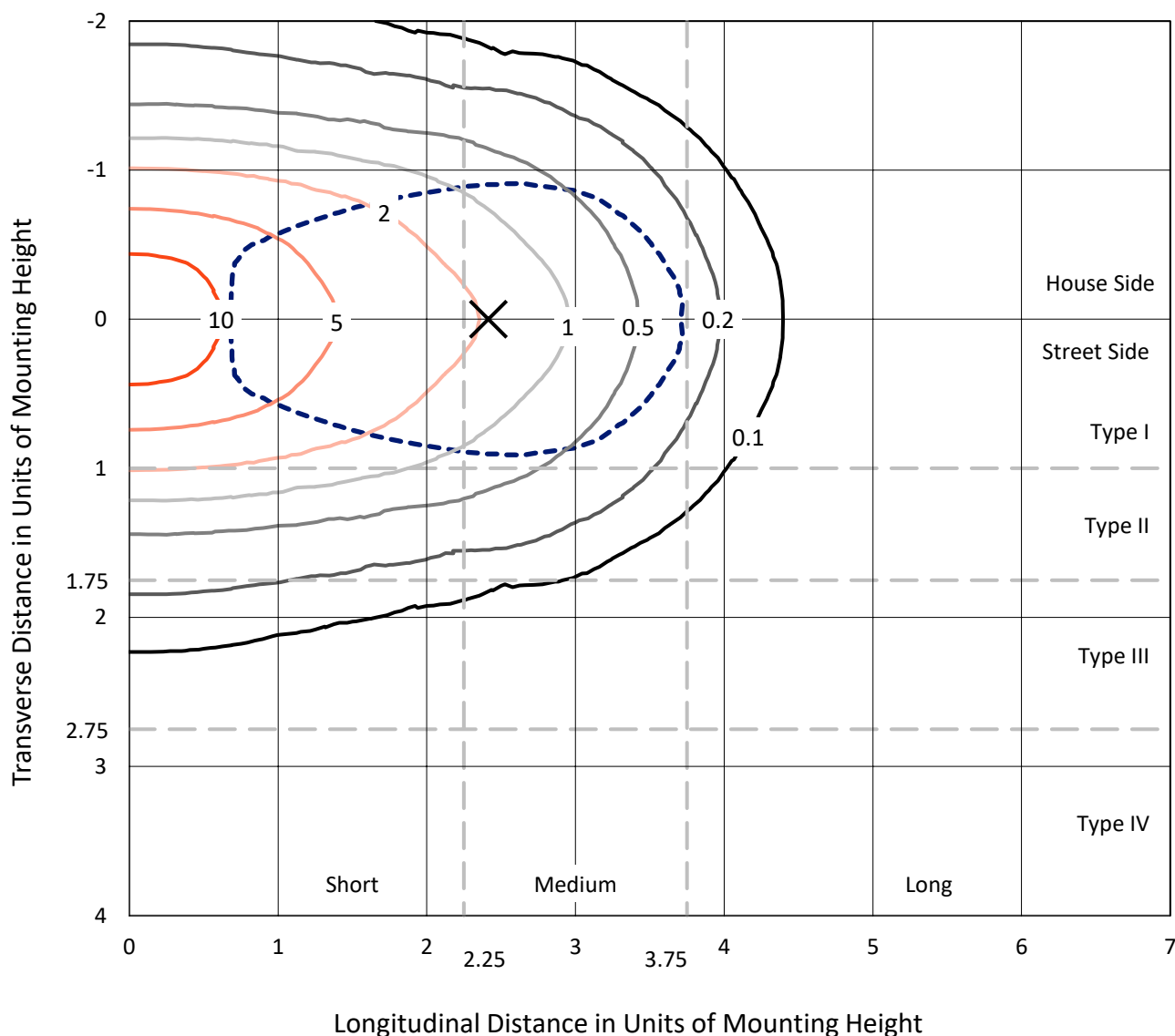
Lumens per Lamp: N/A
Luminaire Lumens: 12444.7 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
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

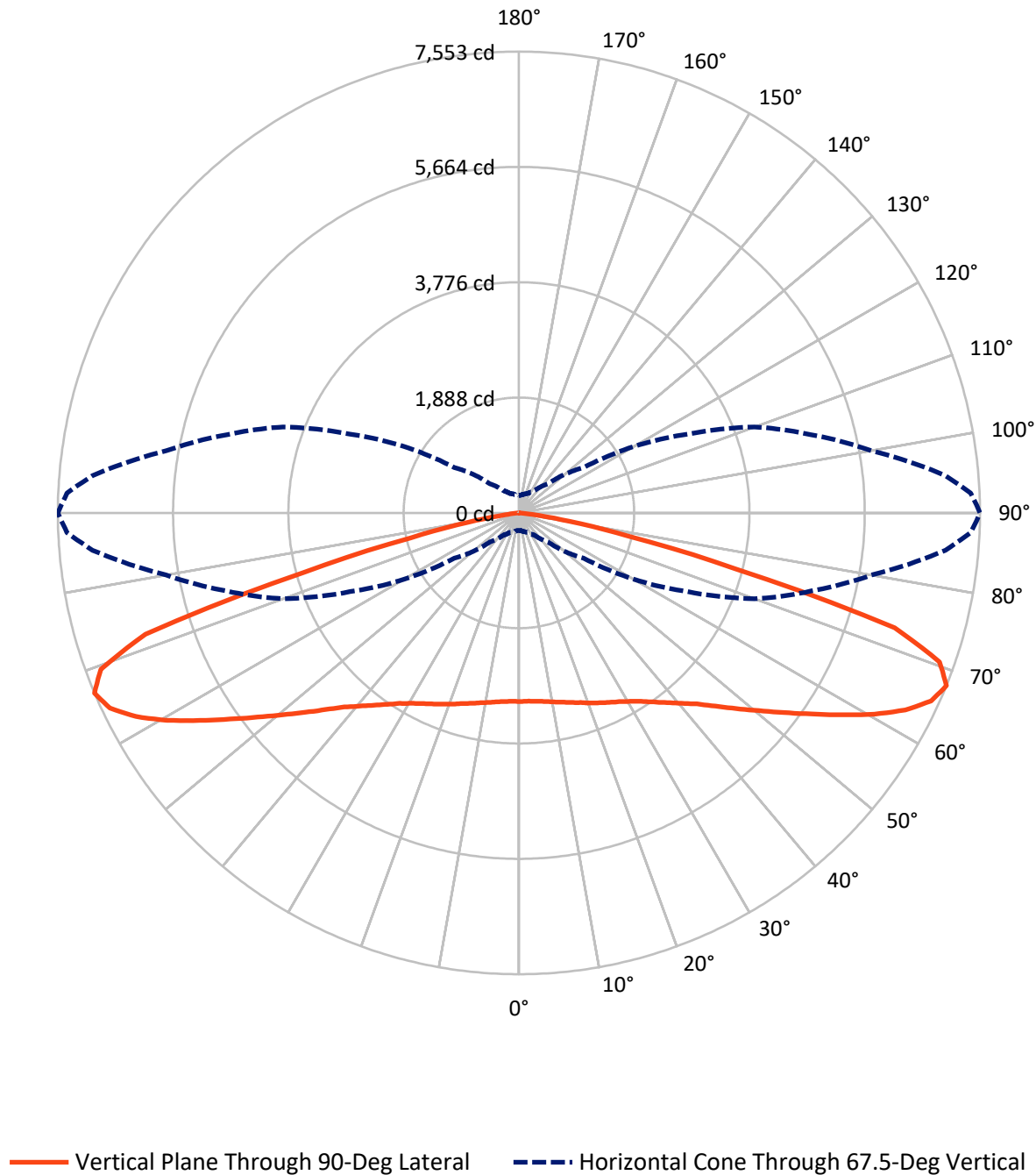
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.7 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	6222.4	0.0	6222.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6222.4	0.0	6222.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12444.7	0.0	12444.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	2.4
10°-20°	892.5	7.2
20°-30°	1484.0	11.9
30°-40°	1971.4	15.8
40°-50°	2222.6	17.9
50°-60°	2285.4	18.4
60°-70°	2159.8	17.4
70°-80°	1057.3	8.5
80°-90°	75.6	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°	12444.7	100.0
0°-180°	12444.7	100.0

Coefficient of Utilization



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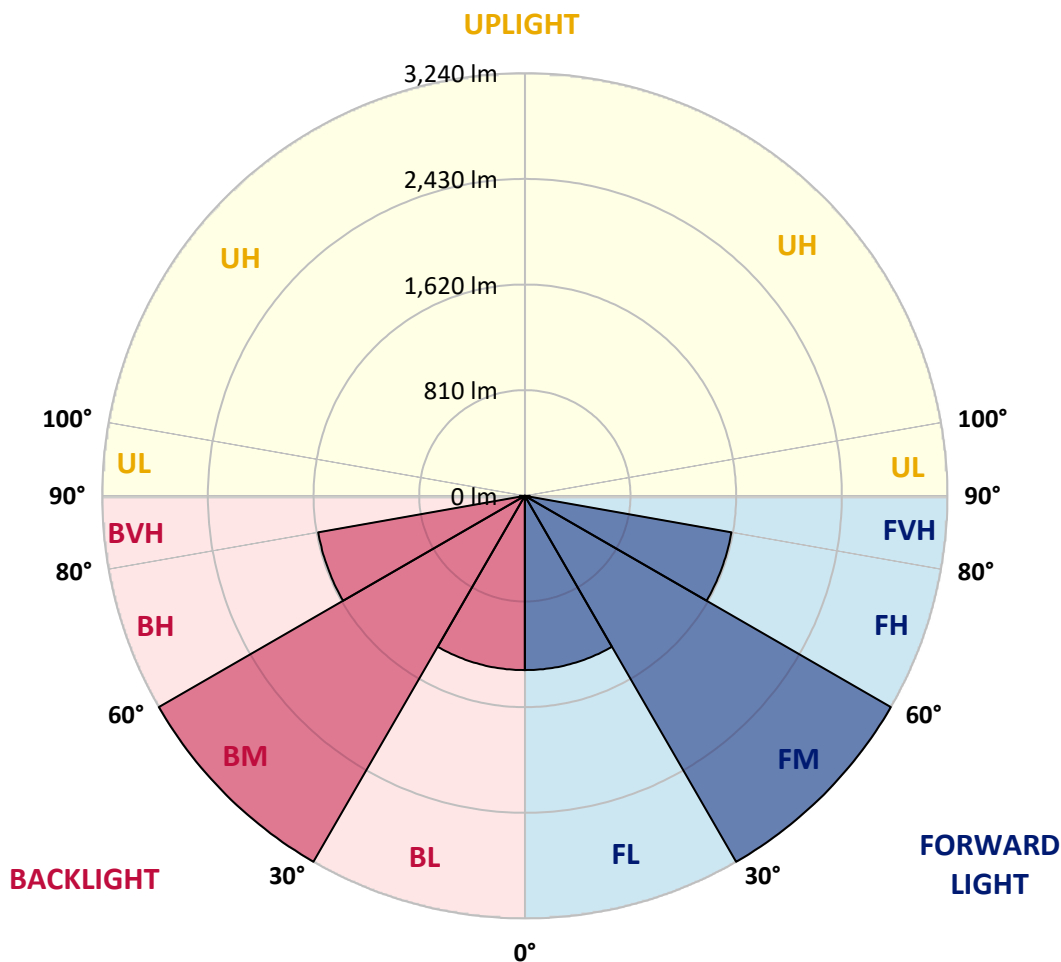
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1336.3	10.7			
FM	(30°-60°)	3239.7	26.0			
FH	(60°-80°)	1608.5	12.9			G1/1800
FVH	(80°-90°)	37.8	0.3			G1/100
BL	(0°-30°)	1336.3	10.7	B3/2500		
BM	(30°-60°)	3239.7	26.0	B3/5000		
BH	(60°-80°)	1608.5	12.9	B3/2500		G3/2500
BVH	(80°-90°)	37.8	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°	3088.0	3088.0	3088.0	3088.0	3088.0	3088.0	3088.0	3088.0	3088.0	3088.0	3088.0
2.5°	3090.3	3094.9	3085.8	3085.8	3090.3	3092.6	3092.6	3094.9	3090.3	3090.3	3088.0
5°	3090.3	3092.6	3088.0	3088.0	3092.6	3099.5	3097.2	3101.8	3101.8	3099.5	3099.5
7.5°	3088.0	3092.6	3088.0	3090.3	3097.2	3111.0	3111.0	3111.0	3115.6	3120.2	3120.2
10°	3085.8	3090.3	3092.6	3094.9	3104.1	3124.8	3129.3	3131.6	3138.5	3145.4	3145.4
12.5°	3074.3	3078.9	3085.8	3094.9	3111.0	3138.5	3147.7	3154.6	3166.1	3172.9	3177.5
15°	3058.2	3060.5	3076.6	3094.9	3120.2	3154.6	3172.9	3184.4	3200.5	3209.6	3216.5
17.5°	3035.3	3037.6	3062.8	3090.3	3127.0	3175.2	3205.1	3223.4	3239.5	3253.2	3262.4
20°	3005.5	3012.3	3042.2	3085.8	3138.5	3195.9	3239.5	3271.6	3287.6	3301.4	3315.2
22.5°	2968.7	2975.6	3012.3	3074.3	3150.0	3223.4	3280.8	3322.1	3342.7	3361.1	3377.1
25°	2913.7	2922.9	2966.5	3046.8	3154.6	3253.2	3326.6	3379.4	3397.8	3420.7	3434.5
27.5°	2828.8	2835.7	2888.4	2991.7	3140.8	3285.4	3379.4	3441.4	3462.0	3487.2	3501.0
30°	2695.7	2709.5	2773.7	2902.2	3106.4	3310.6	3441.4	3503.3	3528.5	3553.8	3572.1
32.5°	2523.7	2544.3	2615.4	2780.6	3039.9	3319.8	3507.9	3579.0	3611.1	3638.7	3661.6
35°	2310.3	2330.9	2415.8	2624.6	2934.3	3301.4	3574.4	3666.2	3705.2	3741.9	3769.4
37.5°	2067.1	2085.5	2188.7	2427.3	2782.9	3244.1	3627.2	3762.6	3815.3	3863.5	3900.2
40°	1821.6	1842.3	1954.7	2209.4	2599.4	3133.9	3650.1	3868.1	3934.6	3996.6	4042.5
42.5°	1555.5	1580.7	1706.9	1977.6	2386.0	2982.5	3631.8	3971.3	4053.9	4138.8	4207.6
45°	1319.2	1323.8	1461.4	1723.0	2152.0	2787.5	3567.5	4070.0	4182.4	4301.7	4400.4
47.5°	1092.1	1101.2	1220.5	1479.8	1908.8	2567.3	3450.5	4148.0	4326.9	4480.7	4625.2
50°	890.2	901.6	1009.5	1241.2	1665.6	2326.4	3292.2	4193.9	4450.8	4659.6	4861.5
52.5°	725.0	738.7	828.2	1032.4	1420.1	2074.0	3097.2	4200.8	4563.2	4838.6	5107.0
55°	603.4	612.6	681.4	844.3	1183.8	1812.4	2874.7	4166.3	4636.7	4999.1	5357.1
57.5°	509.3	518.5	566.7	695.2	970.5	1544.0	2604.0	4086.0	4675.7	5139.1	5609.4
60°	442.8	449.7	484.1	575.9	798.4	1291.7	2312.6	3943.8	4664.2	5226.3	5818.2
62.5°	394.6	396.9	426.7	491.0	658.4	1053.1	1984.5	3730.4	4570.1	5237.7	5960.4
65°	351.0	353.3	371.7	417.6	541.4	846.6	1642.7	3436.8	4391.2	5157.5	5981.1
67.5°	284.5	289.1	316.6	351.0	445.1	669.9	1294.0	3051.3	4111.3	4948.7	5864.1
70°	227.1	229.4	257.0	296.0	362.5	527.7	993.4	2532.8	3673.1	4609.1	5561.2
72.5°	169.8	174.4	199.6	238.6	296.0	408.4	718.1	1915.7	2936.6	3886.4	4843.1
75°	135.4	137.7	146.8	183.5	229.4	309.7	484.1	1160.9	1768.9	2404.4	2968.7
77.5°	114.7	117.0	117.0	142.2	169.8	208.8	257.0	461.1	747.9	1064.5	1411.0
80°	94.1	98.7	89.5	105.5	121.6	121.6	119.3	220.2	353.3	500.1	656.2
82.5°	68.8	73.4	68.8	73.4	73.4	66.5	61.9	82.6	112.4	153.7	167.5
85°	48.2	50.5	55.1	50.5	48.2	39.0	29.8	22.9	13.8	16.1	22.9
87.5°	32.1	39.0	45.9	43.6	36.7	29.8	20.6	13.8	6.9	9.2	9.2
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°	3088.0	3088.0	3088.0
2.5°	3090.3	3088.0	3085.8
5°	3101.8	3099.5	3097.2
7.5°	3117.9	3117.9	3117.9
10°	3143.1	3147.7	3147.7
12.5°	3175.2	3179.8	3179.8
15°	3214.2	3216.5	3221.1
17.5°	3262.4	3264.7	3264.7
20°	3319.8	3317.5	3322.1
22.5°	3377.1	3377.1	3377.1
25°	3436.8	3436.8	3436.8
27.5°	3505.6	3505.6	3501.0
30°	3581.3	3581.3	3581.3
32.5°	3673.1	3675.4	3677.7
35°	3790.1	3794.7	3801.6
37.5°	3923.2	3934.6	3941.5
40°	4081.5	4086.0	4097.5
42.5°	4258.1	4271.9	4274.2
45°	4478.4	4501.3	4510.5
47.5°	4737.6	4769.7	4785.8
50°	5026.7	5063.4	5086.3
52.5°	5341.0	5400.6	5428.2
55°	5675.9	5779.2	5809.0
57.5°	6054.5	6194.4	6235.7
60°	6426.2	6623.5	6690.0
62.5°	6742.8	7020.4	7103.0
65°	6965.3	7300.3	7421.9
67.5°	7011.2	7408.1	7552.6
70°	6735.9	7142.0	7309.4
72.5°	5857.2	6224.3	6433.0
75°	3459.7	3723.6	3659.3
77.5°	1736.7	1812.4	1823.9
80°	761.7	807.6	825.9
82.5°	188.1	192.7	218.0
85°	25.2	29.8	27.5
87.5°	9.2	9.2	11.5
90°	0.0	0.0	0.0

(END OF REPORT)