

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: P948484

Luminaire Tested: **GALN-SB3C-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24896 lumens
Efficiency: N/A
Efficacy: 167.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

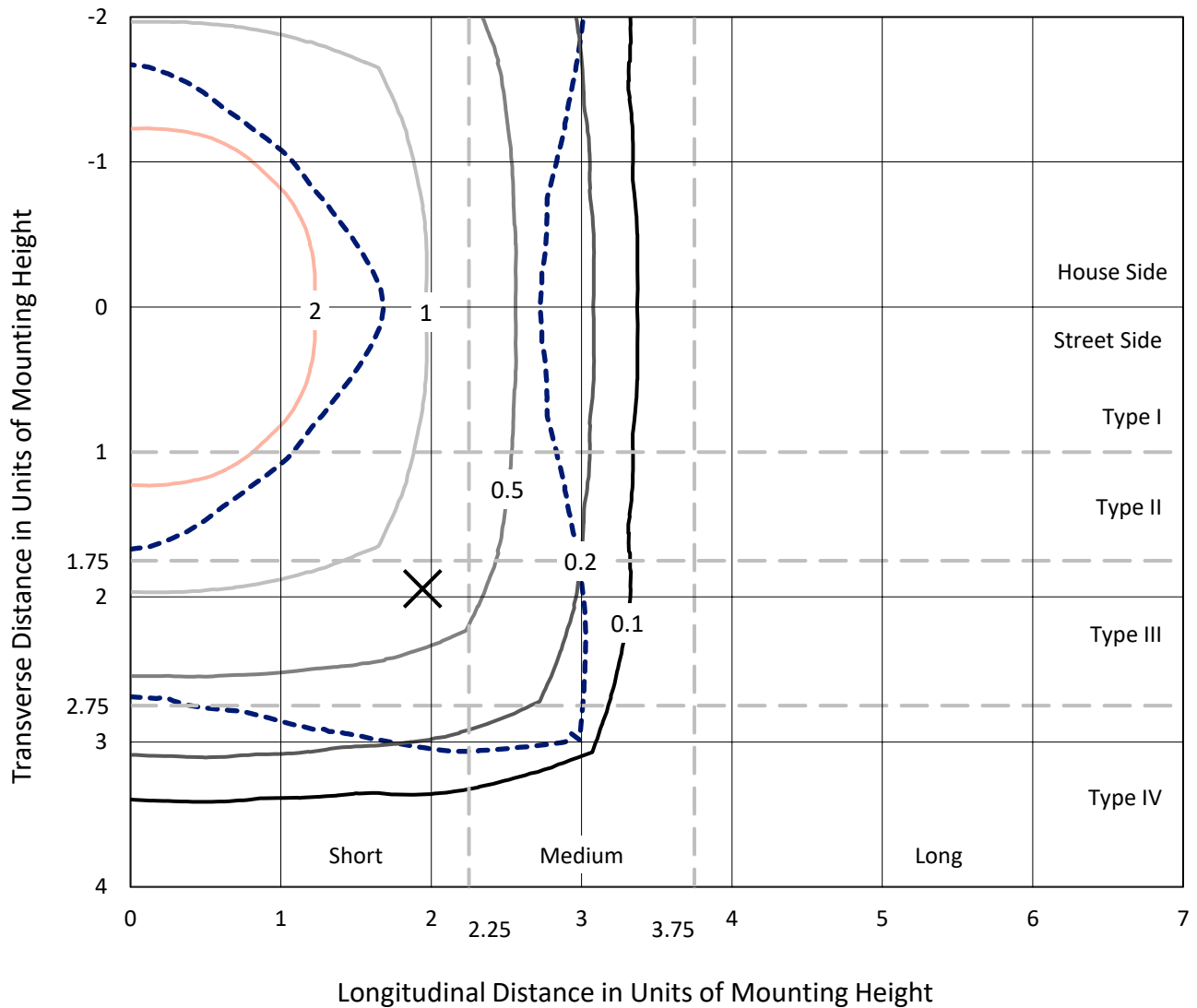
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

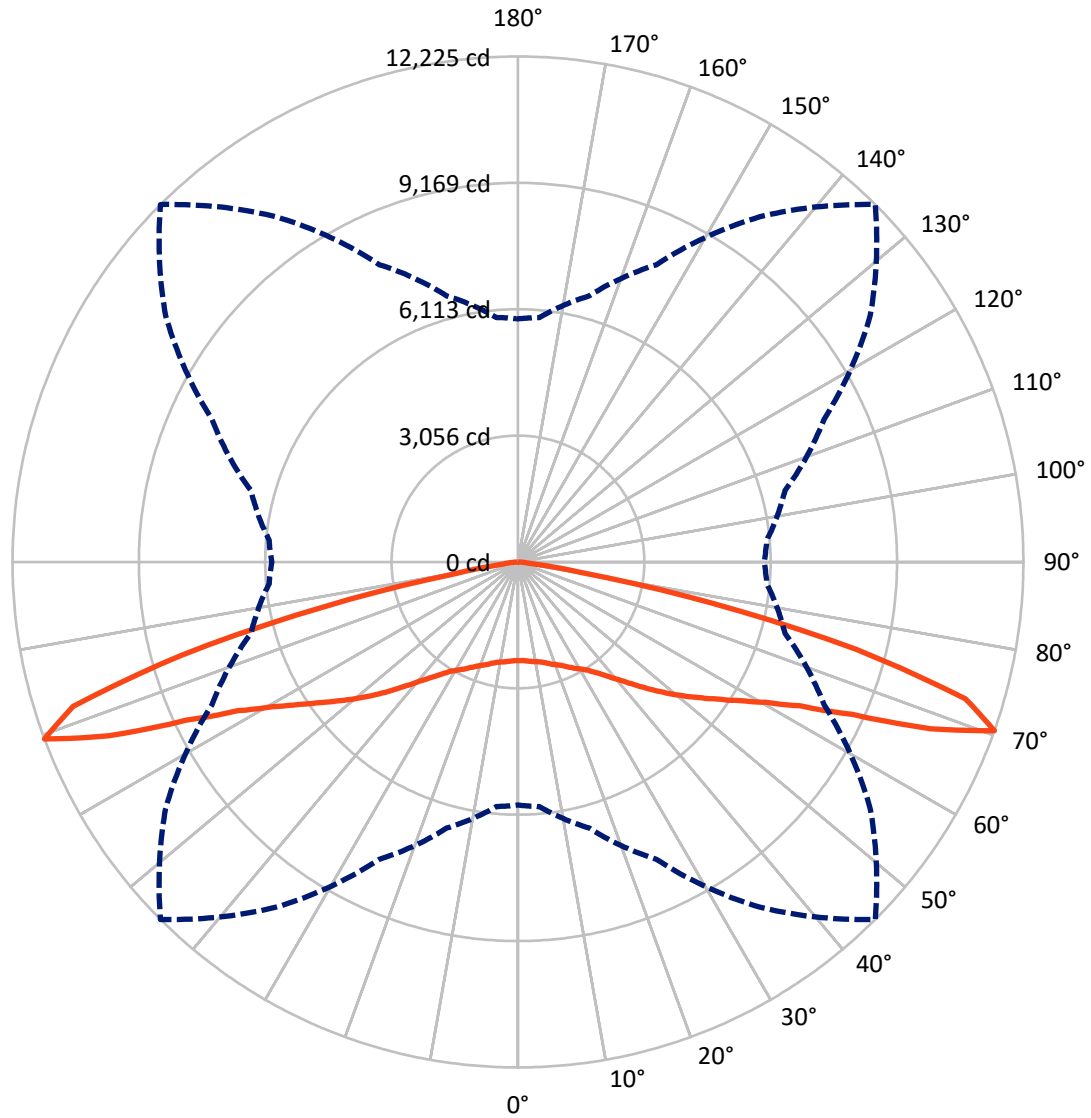
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12448.0	0.0	12448.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12448.0	0.0	12448.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24896.0	0.0	24896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	0.9
10°-20°	718.4	2.9
20°-30°	1283.9	5.2
30°-40°	2081.2	8.4
40°-50°	3389.9	13.6
50°-60°	5168.4	20.8
60°-70°	7689.0	30.9
70°-80°	4190.8	16.8
80°-90°	142.7	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°	24896.0	100.0
0°-180°	24896.0	100.0

Coefficient of Utilization



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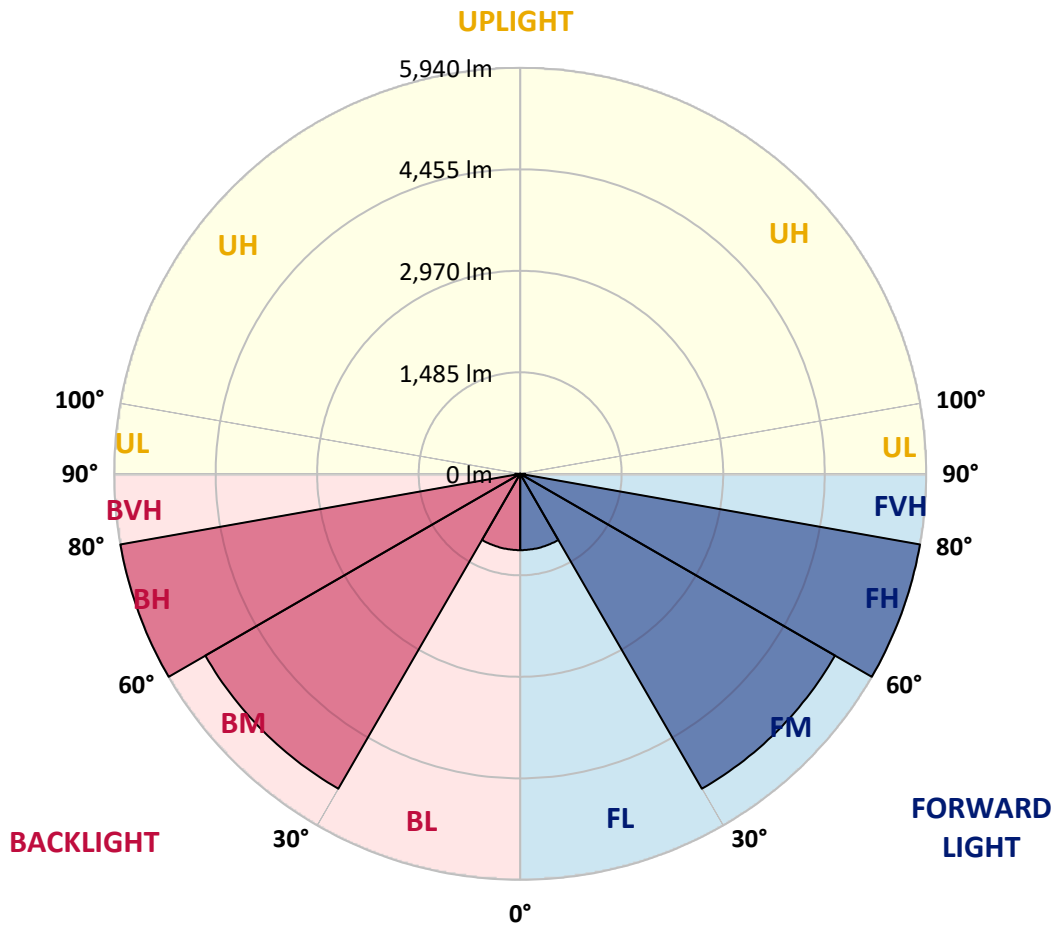
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1117.0	4.5			
FM (30°-60°)	5319.8	21.4			
FH (60°-80°)	5939.9	23.9			G3/7500
FVH (80°-90°)	71.3	0.3			G1/100
BL (0°-30°)	1117.0	4.5	B3/2500		
BM (30°-60°)	5319.8	21.4	B4/8500		
BH (60°-80°)	5939.9	23.9	B5		G3/7500
BVH (80°-90°)	71.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8
2.5°	2396.0	2398.5	2393.5	2391.0	2388.5	2384.8	2386.0	2392.3	2397.3	2396.0
5°	2416.0	2418.5	2414.8	2413.5	2408.5	2407.3	2407.3	2413.5	2417.3	2414.8
7.5°	2438.5	2442.3	2436.0	2434.8	2432.3	2429.8	2428.5	2434.8	2438.5	2438.5
10°	2459.8	2463.5	2458.5	2454.8	2452.3	2452.3	2449.8	2454.8	2461.0	2459.8
12.5°	2482.3	2484.8	2479.8	2477.3	2477.3	2481.0	2477.3	2479.8	2484.8	2482.3
15°	2509.8	2511.0	2509.8	2513.5	2519.8	2532.3	2521.0	2518.5	2521.0	2514.8
17.5°	2547.3	2549.8	2554.8	2563.5	2572.3	2594.8	2574.8	2568.5	2568.5	2556.0
20°	2593.5	2597.3	2604.8	2619.8	2631.0	2652.3	2632.3	2623.5	2619.8	2603.5
22.5°	2642.3	2648.5	2659.8	2679.8	2699.7	2719.7	2699.7	2684.8	2673.5	2652.3
25°	2698.5	2706.0	2723.5	2756.0	2783.5	2812.2	2788.5	2758.5	2736.0	2706.0
27.5°	2778.5	2787.2	2808.5	2848.5	2883.5	2908.5	2886.0	2847.2	2816.0	2779.7
30°	2891.0	2899.7	2924.7	2967.2	2991.0	3007.2	2992.2	2962.2	2924.7	2883.5
32.5°	3036.0	3047.2	3074.7	3114.7	3119.7	3122.2	3117.2	3102.2	3074.7	3024.7
35°	3219.7	3232.2	3263.4	3295.9	3290.9	3295.9	3288.4	3283.4	3263.4	3206.0
37.5°	3444.7	3459.7	3492.2	3517.2	3504.7	3498.4	3499.7	3500.9	3489.7	3425.9
40°	3705.9	3725.9	3749.7	3775.9	3754.7	3735.9	3748.4	3758.4	3748.4	3683.4
42.5°	3974.6	4003.4	4028.4	4065.9	4048.4	4024.6	4042.1	4053.4	4032.1	3962.1
45°	4273.4	4300.9	4333.3	4389.6	4377.1	4352.1	4377.1	4379.6	4343.3	4260.9
47.5°	4582.1	4610.8	4659.6	4734.6	4729.6	4702.1	4734.6	4717.1	4670.8	4572.1
50°	4874.5	4914.5	4989.5	5094.5	5104.5	5070.8	5114.5	5080.8	5003.3	4879.5
52.5°	5149.5	5192.0	5310.8	5453.2	5489.5	5445.7	5504.5	5445.7	5329.5	5170.8
55°	5438.2	5485.7	5627.0	5813.2	5885.7	5853.2	5908.2	5819.5	5654.5	5462.0
57.5°	5778.2	5807.0	5975.7	6196.9	6319.4	6326.9	6351.9	6201.9	6001.9	5783.2
60°	6146.9	6186.9	6370.7	6635.6	6829.4	6891.9	6865.6	6643.1	6410.7	6159.4
62.5°	6619.4	6663.1	6883.1	7200.6	7506.8	7661.8	7559.3	7236.8	6949.4	6648.1
65°	7010.6	7059.3	7456.8	8023.0	8580.5	8891.7	8634.2	8040.5	7523.1	7098.1
67.5°	6726.9	6786.9	7410.6	8450.5	9836.6	10765.3	9884.1	8578.0	7564.3	6988.1
70°	5879.5	5935.7	6663.1	7934.3	10190.3	12225.1	10402.8	8168.0	6686.9	6041.9
72.5°	3903.4	4084.6	4820.8	6345.7	9099.2	11312.7	9189.1	6216.9	4472.1	3894.6
75°	1294.9	1439.9	1942.3	3289.7	6094.4	8460.5	5802.0	2911.0	1538.6	1107.4
77.5°	326.2	376.2	518.7	941.2	2431.0	4817.1	2188.5	768.7	418.7	292.5
80°	158.7	175.0	250.0	313.7	608.7	1531.1	571.2	295.0	197.5	152.5
82.5°	87.5	88.7	141.2	177.5	226.2	396.2	235.0	172.5	113.7	92.5
85°	53.7	52.5	75.0	95.0	95.0	141.2	112.5	95.0	65.0	57.5
87.5°	21.2	21.2	27.5	30.0	26.2	36.2	28.7	31.2	25.0	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2384.8
2397.3
2416.0
2438.5
2459.8
2481.0
2514.8
2556.0
2603.5
2651.0
2704.7
2778.5
2883.5
3026.0
3206.0
3425.9
3683.4
3967.1
4269.6
4565.8
4877.0
5155.8
5435.7
5753.2
6119.4
6595.6
7028.1
6901.9
5955.7
3768.4
1047.4
261.2
140.0
92.5
60.0
25.0
0.0

OF REPORT)