

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: P950899

Luminaire Tested: **GALN-SB5B-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950899
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-SB5B-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24608 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 182.7
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

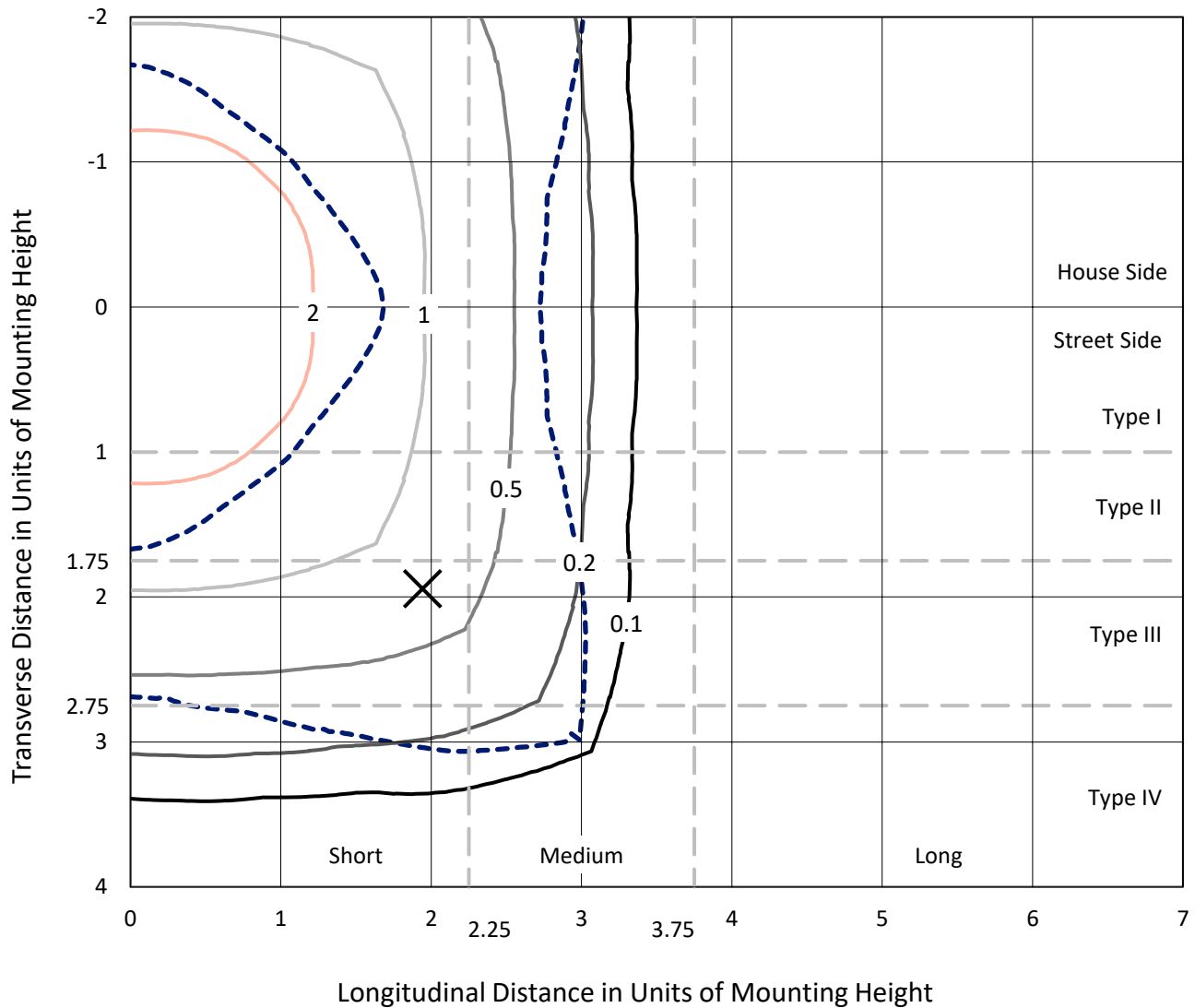


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

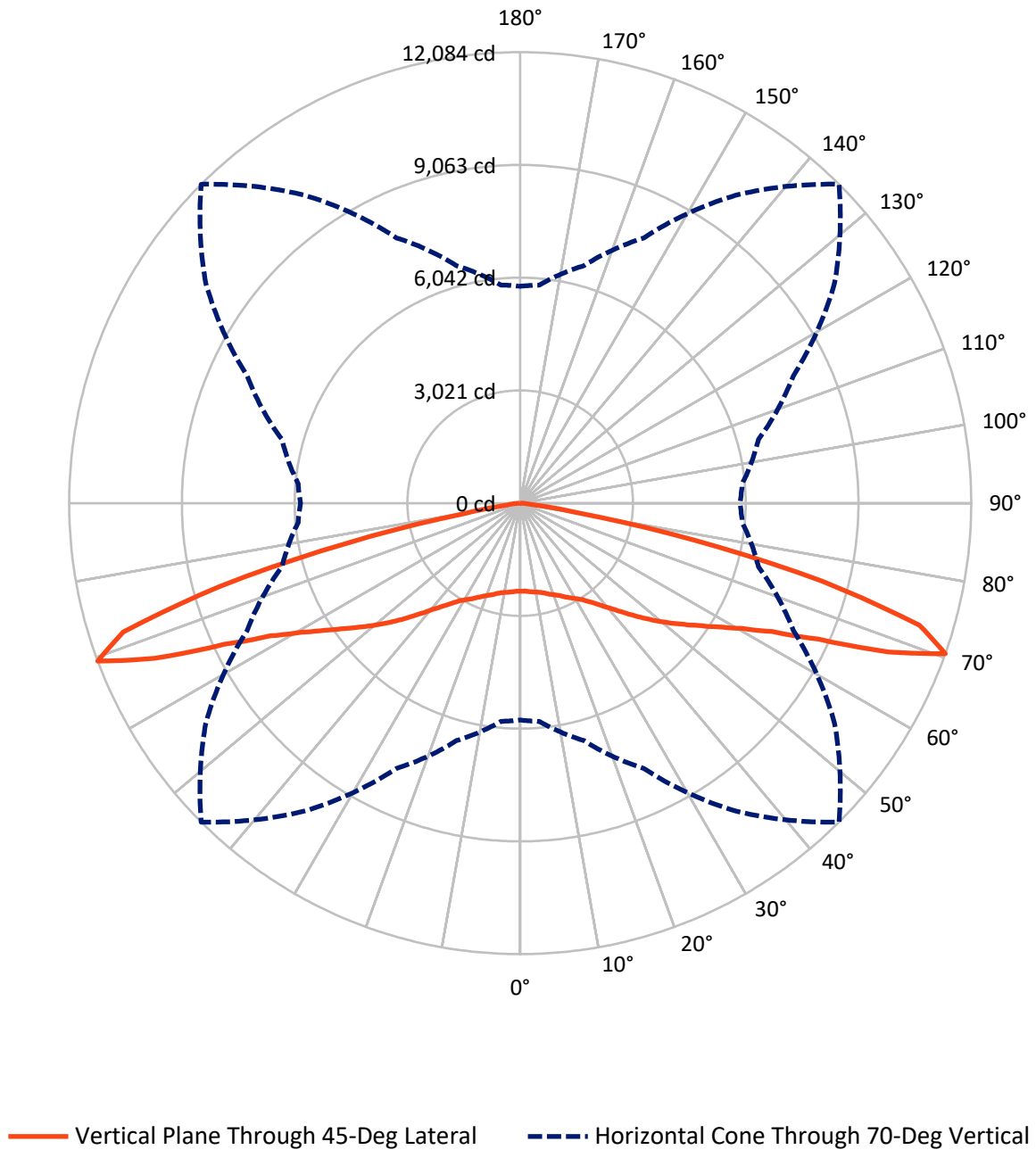


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12304.0	0.0	12304.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12304.0	0.0	12304.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24608.0	0.0	24608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	0.9
10°-20°	710.1	2.9
20°-30°	1269.0	5.2
30°-40°	2057.1	8.4
40°-50°	3350.7	13.6
50°-60°	5108.7	20.8
60°-70°	7600.1	30.9
70°-80°	4142.3	16.8
80°-90°	141.1	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°	24608.0	100.0
0°-180°	24608.0	100.0

Coefficient of Utilization



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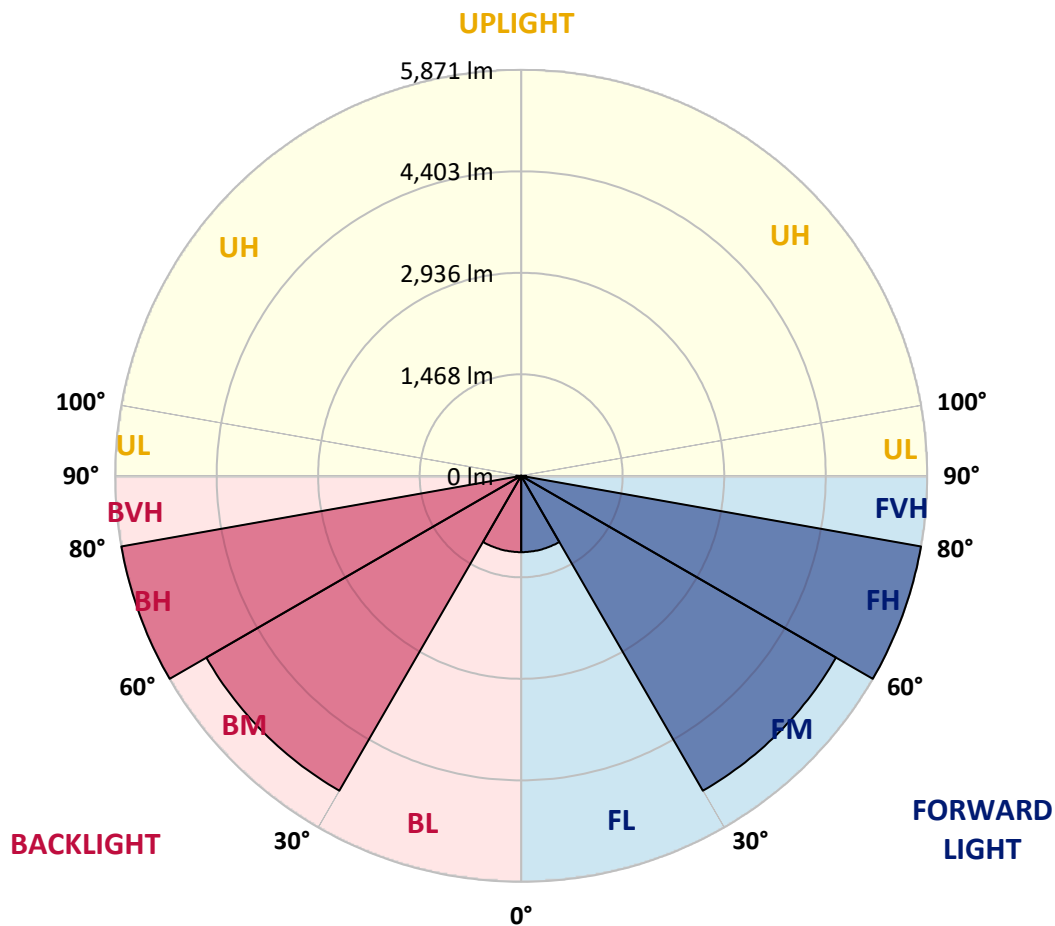
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1104.1	4.5			
FM	(30°-60°)	5258.2	21.4			
FH	(60°-80°)	5871.2	23.9			G3/7500
FVH	(80°-90°)	70.5	0.3			G1/100
BL	(0°-30°)	1104.1	4.5	B3/2500		
BM	(30°-60°)	5258.2	21.4	B4/8500		
BH	(60°-80°)	5871.2	23.9	B5		G3/7500
BVH	(80°-90°)	70.5	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°	90°
0°	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2
2.5°	2368.3	2370.8	2365.8	2363.4	2360.9	2357.2	2358.4	2364.6	2369.5	2368.3	2369.5
5°	2388.1	2390.5	2386.8	2385.6	2380.7	2379.4	2379.4	2385.6	2389.3	2386.8	2388.1
7.5°	2410.3	2414.0	2407.8	2406.6	2404.1	2401.7	2400.4	2406.6	2410.3	2410.3	2410.3
10°	2431.3	2435.0	2430.1	2426.4	2423.9	2423.9	2421.4	2426.4	2432.6	2431.3	2431.3
12.5°	2453.6	2456.0	2451.1	2448.6	2448.6	2452.3	2448.6	2451.1	2456.0	2453.6	2452.3
15°	2480.7	2482.0	2480.7	2484.4	2490.6	2503.0	2491.9	2489.4	2491.9	2485.7	2485.7
17.5°	2517.8	2520.3	2525.2	2533.9	2542.5	2564.7	2545.0	2538.8	2538.8	2526.4	2526.4
20°	2563.5	2567.2	2574.6	2589.5	2600.6	2621.6	2601.8	2593.2	2589.5	2573.4	2573.4
22.5°	2611.7	2617.9	2629.0	2648.8	2668.5	2688.3	2668.5	2653.7	2642.6	2621.6	2620.3
25°	2667.3	2674.7	2692.0	2724.1	2751.3	2779.7	2756.2	2726.6	2704.3	2674.7	2673.5
27.5°	2746.4	2755.0	2776.0	2815.5	2850.1	2874.8	2852.6	2814.3	2783.4	2747.6	2746.4
30°	2857.5	2866.2	2890.9	2932.9	2956.4	2972.4	2957.6	2928.0	2890.9	2850.1	2850.1
32.5°	3000.8	3012.0	3039.1	3078.7	3083.6	3086.1	3081.2	3066.3	3039.1	2989.7	2991.0
35°	3182.5	3194.8	3225.7	3257.8	3252.9	3257.8	3250.4	3245.5	3225.7	3168.9	3168.9
37.5°	3404.8	3419.7	3451.8	3476.5	3464.1	3458.0	3459.2	3460.4	3449.3	3386.3	3386.3
40°	3663.0	3682.8	3706.3	3732.2	3711.2	3692.7	3705.0	3714.9	3705.0	3640.8	3640.8
42.5°	3928.7	3957.1	3981.8	4018.8	4001.5	3978.1	3995.4	4006.5	3985.5	3916.3	3921.2
45°	4223.9	4251.1	4283.2	4338.8	4326.5	4301.8	4326.5	4328.9	4293.1	4211.6	4220.2
47.5°	4529.1	4557.5	4605.7	4679.8	4674.8	4647.7	4679.8	4662.5	4616.8	4519.2	4513.0
50°	4818.2	4857.7	4931.8	5035.6	5045.5	5012.1	5055.4	5022.0	4945.4	4823.1	4820.6
52.5°	5090.0	5132.0	5249.3	5390.2	5426.0	5382.7	5440.8	5382.7	5267.9	5111.0	5096.1
55°	5375.3	5422.3	5561.9	5746.0	5817.6	5785.5	5839.9	5752.1	5589.1	5398.8	5372.9
57.5°	5711.4	5739.8	5906.6	6125.2	6246.3	6253.7	6278.4	6130.2	5932.5	5716.3	5686.7
60°	6075.8	6115.4	6297.0	6558.9	6750.4	6812.1	6786.2	6566.3	6336.5	6088.2	6048.6
62.5°	6542.8	6586.1	6803.5	7117.3	7420.0	7573.2	7471.9	7153.1	6869.0	6571.2	6519.3
65°	6929.5	6977.7	7370.5	7930.2	8481.2	8788.8	8534.3	7947.5	7436.0	7016.0	6946.8
67.5°	6649.1	6708.4	7324.8	8352.7	9722.8	10640.7	9769.7	8478.7	7476.8	6907.3	6822.0
70°	5811.4	5867.0	6586.1	7842.5	10072.4	12083.7	10282.4	8073.5	6609.5	5972.0	5886.8
72.5°	3858.2	4037.4	4765.0	6272.3	8993.9	11181.8	9082.8	6145.0	4420.4	3849.6	3724.8
75°	1279.9	1423.2	1919.9	3251.6	6023.9	8362.6	5734.8	2877.3	1520.8	1094.6	1035.3
77.5°	322.4	371.9	512.7	930.3	2402.9	4761.3	2163.2	759.8	413.9	289.1	258.2
80°	156.9	173.0	247.1	310.1	601.7	1513.4	564.6	291.6	195.2	150.7	138.4
82.5°	86.5	87.7	139.6	175.4	223.6	391.6	232.3	170.5	112.4	91.4	91.4
85°	53.1	51.9	74.1	93.9	93.9	139.6	111.2	93.9	64.2	56.8	59.3
87.5°	21.0	21.0	27.2	29.7	25.9	35.8	28.4	30.9	24.7	23.5	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)