

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: P951970

Luminaire Tested: **GALN-SB6A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951970
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-SB6A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23533 lumens
Efficiency: N/A
Efficacy: 137.7 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): 170.9
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



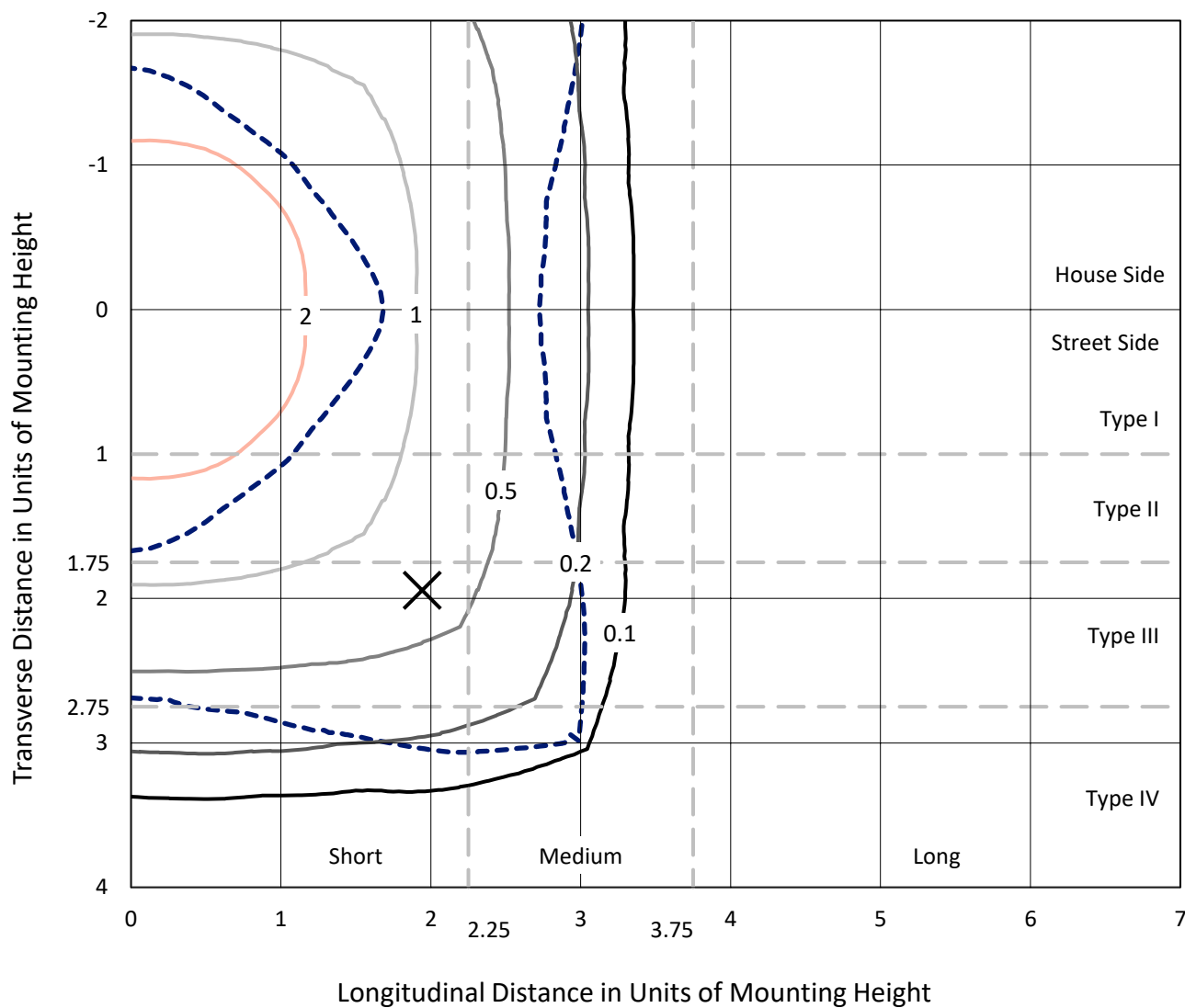
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

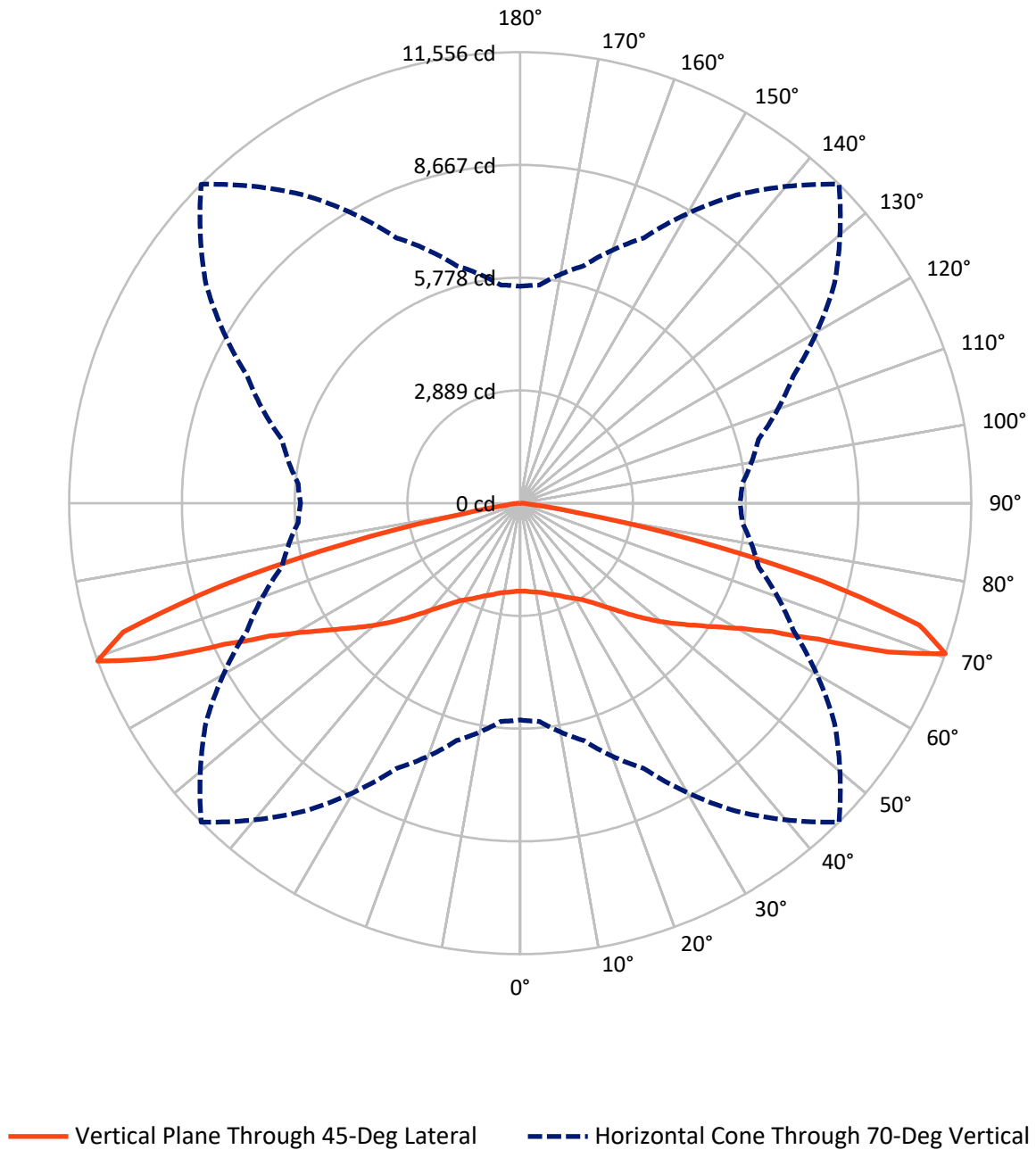


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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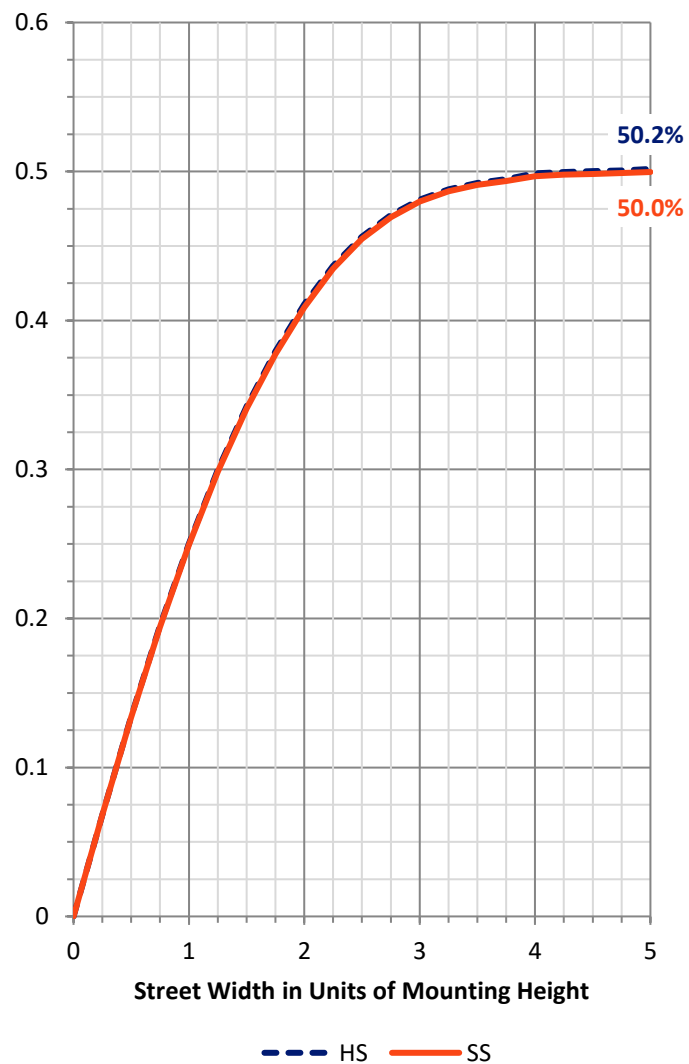
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11766.5	0.0	11766.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11766.5	0.0	11766.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23533.0	0.0	23533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	0.9
10°-20°	679.1	2.9
20°-30°	1213.6	5.2
30°-40°	1967.2	8.4
40°-50°	3204.3	13.6
50°-60°	4885.5	20.8
60°-70°	7268.1	30.9
70°-80°	3961.3	16.8
80°-90°	134.9	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°	23533.0	100.0
0°-180°	23533.0	100.0

Coefficient of Utilization



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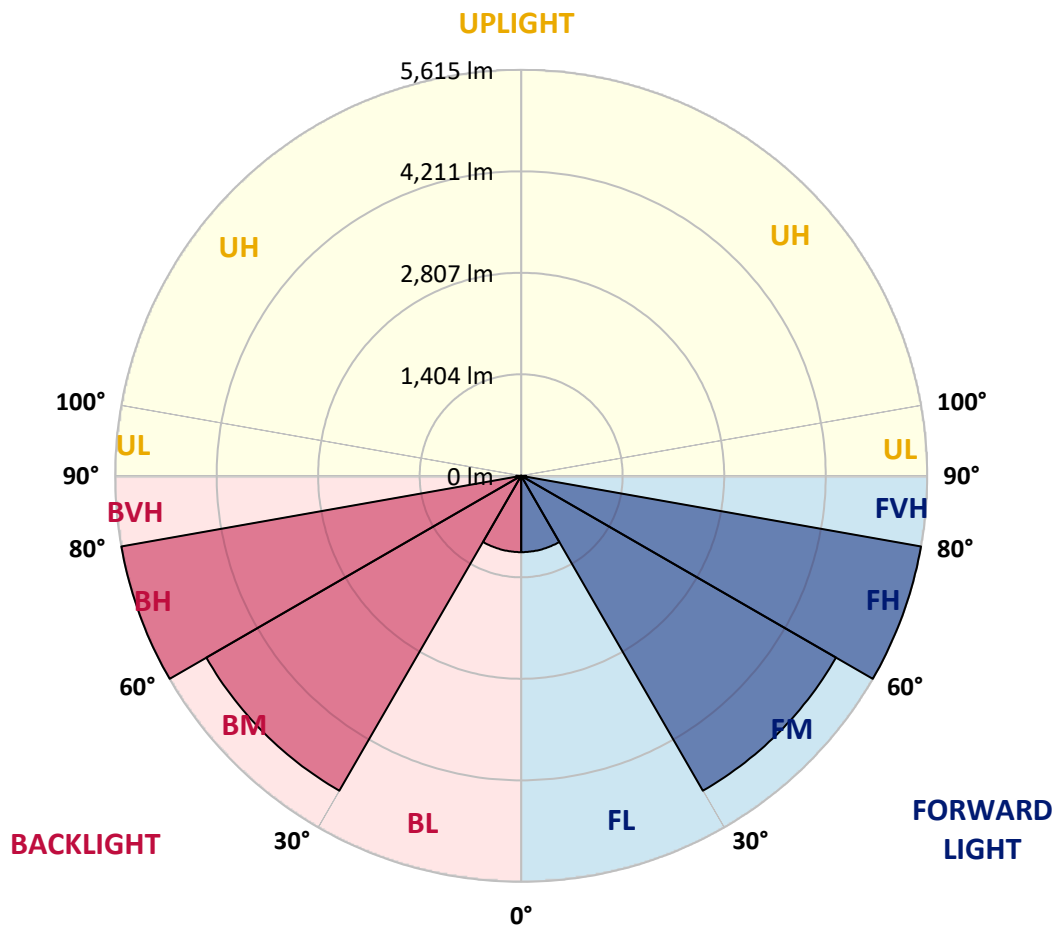
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1055.8	4.5			
FM	(30°-60°)	5028.5	21.4			
FH	(60°-80°)	5614.7	23.9			G3/7500
FVH	(80°-90°)	67.4	0.3			G1/100
BL	(0°-30°)	1055.8	4.5	B3/2500		
BM	(30°-60°)	5028.5	21.4	B4/8500		
BH	(60°-80°)	5614.7	23.9	B5		G3/7500
BVH	(80°-90°)	67.4	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°	2254.2	2254.2	2254.2	2254.2	2254.2	2254.2	2254.2	2254.2	2254.2	2254.2	2254.2
2.5°	2264.9	2267.2	2262.5	2260.1	2257.8	2254.2	2255.4	2261.3	2266.0	2264.9	2266.0
5°	2283.8	2286.1	2282.6	2281.4	2276.7	2275.5	2275.5	2281.4	2284.9	2282.6	2283.8
7.5°	2305.0	2308.6	2302.7	2301.5	2299.1	2296.8	2295.6	2301.5	2305.0	2305.0	2305.0
10°	2325.1	2328.6	2323.9	2320.4	2318.0	2318.0	2315.7	2320.4	2326.3	2325.1	2325.1
12.5°	2346.4	2348.7	2344.0	2341.6	2341.6	2345.2	2341.6	2344.0	2348.7	2346.4	2345.2
15°	2372.4	2373.5	2372.4	2375.9	2381.8	2393.6	2383.0	2380.6	2383.0	2377.1	2377.1
17.5°	2407.8	2410.2	2414.9	2423.2	2431.4	2452.7	2433.8	2427.9	2427.9	2416.1	2416.1
20°	2451.5	2455.1	2462.2	2476.3	2487.0	2507.0	2488.1	2479.9	2476.3	2461.0	2461.0
22.5°	2497.6	2503.5	2514.1	2533.0	2551.9	2570.8	2551.9	2537.8	2527.1	2507.0	2505.9
25°	2550.8	2557.9	2574.4	2605.1	2631.1	2658.3	2635.8	2607.5	2586.2	2557.9	2556.7
27.5°	2626.4	2634.6	2654.7	2692.5	2725.6	2749.2	2728.0	2691.4	2661.8	2627.6	2626.4
30°	2732.7	2741.0	2764.6	2804.8	2827.2	2842.6	2828.4	2800.1	2764.6	2725.6	2725.6
32.5°	2869.8	2880.4	2906.4	2944.2	2948.9	2951.3	2946.6	2932.4	2906.4	2859.1	2860.3
35°	3043.4	3055.2	3084.8	3115.5	3110.8	3115.5	3108.4	3103.7	3084.8	3030.4	3030.4
37.5°	3256.1	3270.3	3301.0	3324.6	3312.8	3306.9	3308.1	3309.3	3298.6	3238.4	3238.4
40°	3503.0	3521.9	3544.4	3569.2	3549.1	3531.4	3543.2	3552.6	3543.2	3481.8	3481.8
42.5°	3757.0	3784.2	3807.8	3843.3	3826.7	3804.3	3820.8	3831.5	3811.4	3745.2	3749.9
45°	4039.4	4065.4	4096.1	4149.3	4137.5	4113.8	4137.5	4139.8	4105.6	4027.6	4035.9
47.5°	4331.2	4358.4	4404.5	4475.4	4470.6	4444.6	4475.4	4458.8	4415.1	4321.8	4315.9
50°	4607.7	4645.5	4716.4	4815.6	4825.1	4793.2	4834.5	4802.6	4729.4	4612.4	4610.0
52.5°	4867.6	4907.8	5020.0	5154.7	5189.0	5147.6	5203.1	5147.6	5037.7	4887.7	4873.5
55°	5140.5	5185.4	5318.9	5495.0	5563.5	5532.8	5584.7	5500.9	5344.9	5163.0	5138.2
57.5°	5461.9	5489.0	5648.5	5857.7	5973.4	5980.5	6004.2	5862.4	5673.4	5466.6	5438.2
60°	5810.4	5848.2	6021.9	6272.3	6455.5	6514.5	6489.7	6279.4	6059.7	5822.2	5784.4
62.5°	6257.0	6298.3	6506.3	6806.4	7095.8	7242.3	7145.4	6840.6	6568.9	6284.2	6234.5
65°	6626.8	6672.9	7048.6	7583.8	8110.7	8404.9	8161.5	7600.3	7111.2	6709.5	6643.3
67.5°	6358.6	6415.3	7004.9	7987.8	9298.1	10175.9	9343.0	8108.3	7150.2	6605.5	6524.0
70°	5557.6	5610.7	6298.3	7499.9	9632.4	11555.8	9833.3	7720.8	6320.8	5711.2	5629.6
72.5°	3689.7	3861.0	4556.9	5998.3	8601.0	10693.4	8686.1	5876.6	4227.2	3681.4	3562.1
75°	1224.0	1361.0	1836.0	3109.6	5760.8	7997.3	5484.3	2751.6	1454.4	1046.8	990.1
77.5°	308.4	355.6	490.3	889.6	2297.9	4553.3	2068.7	726.6	395.8	276.5	246.9
80°	150.0	165.4	236.3	296.5	575.4	1447.3	539.9	278.8	186.7	144.1	132.3
82.5°	82.7	83.9	133.5	167.8	213.8	374.5	222.1	163.0	107.5	87.4	87.4
85°	50.8	49.6	70.9	89.8	89.8	133.5	106.3	89.8	61.4	54.3	56.7
87.5°	20.1	20.1	26.0	28.4	24.8	34.3	27.2	29.5	23.6	22.4	23.6
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)