

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: P953398

Luminaire Tested: **GALN-SB7A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953398
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-SB7A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 27599 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 199.1
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

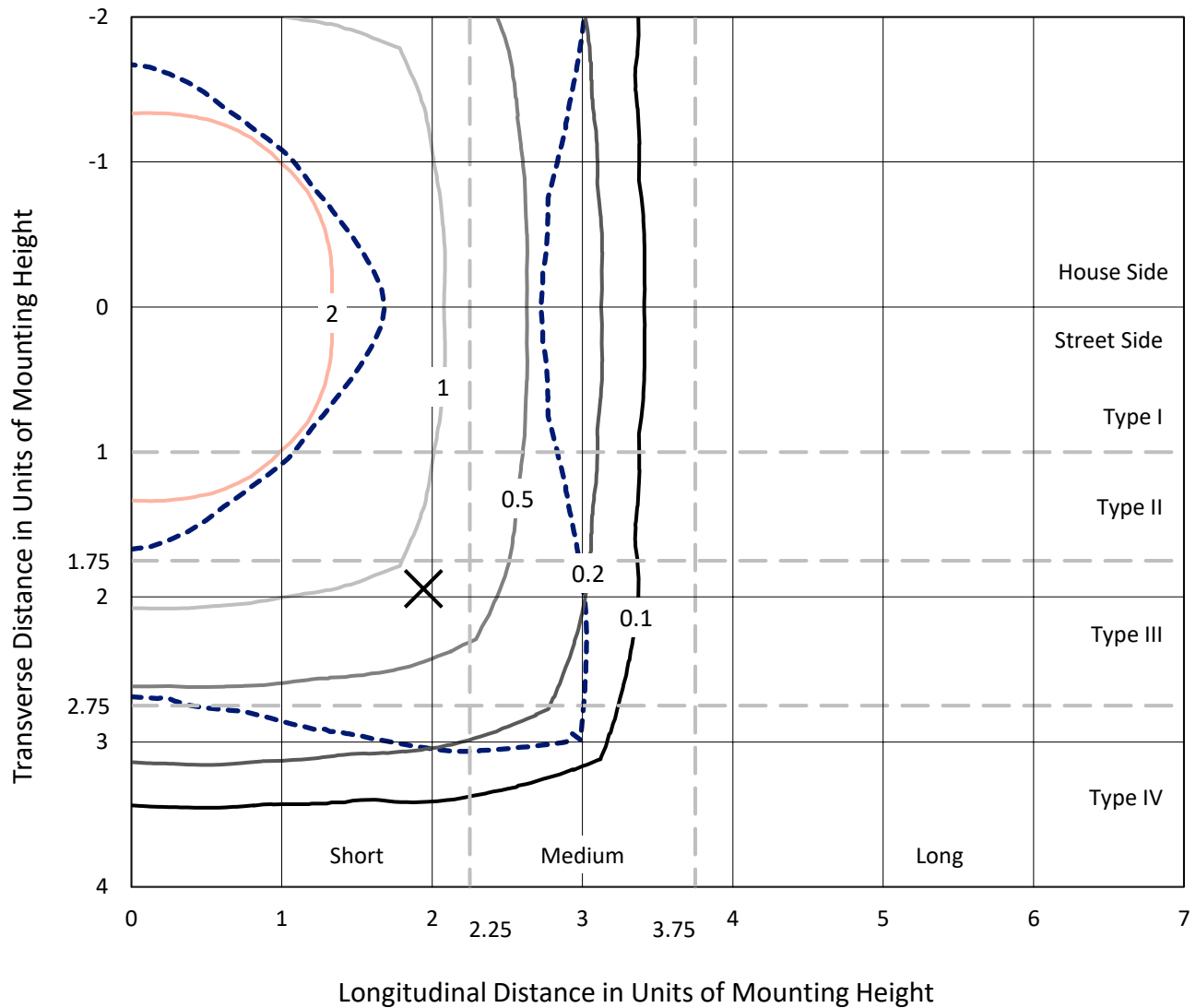


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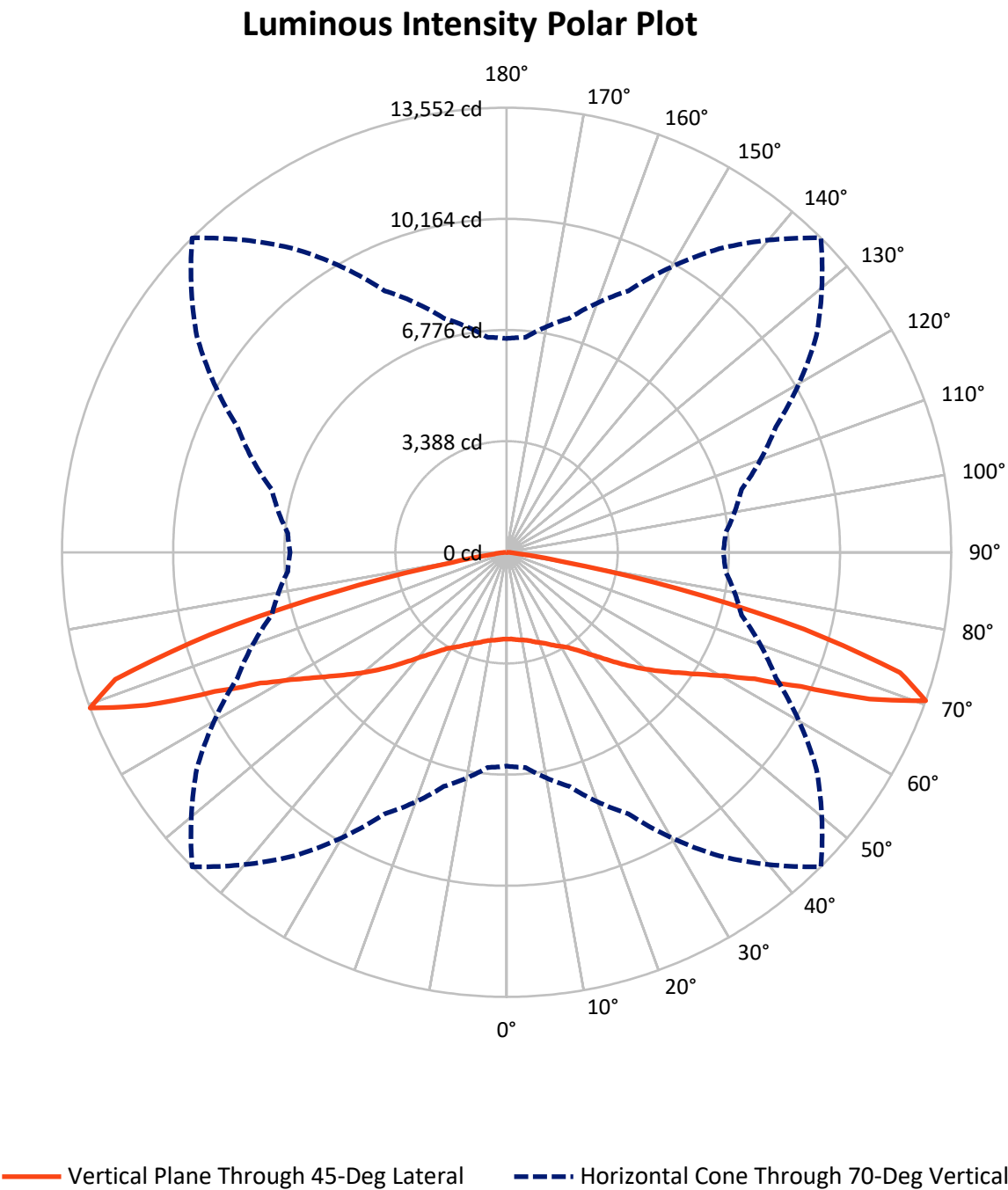
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type V - Short - N/A

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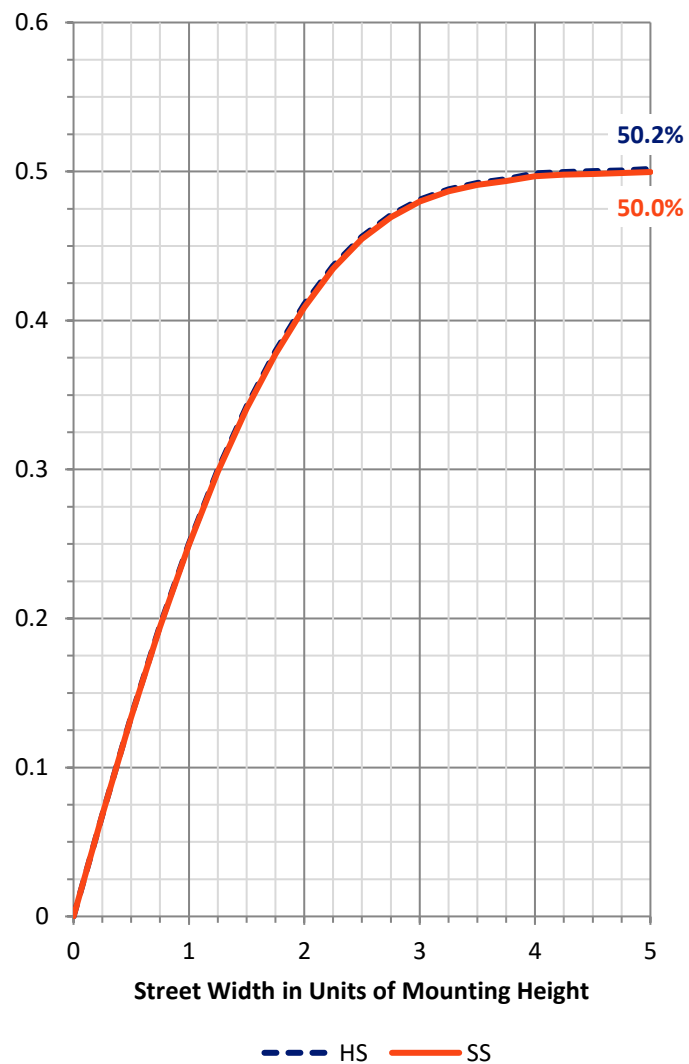
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13799.5	0.0	13799.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13799.5	0.0	13799.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27599.0	0.0	27599.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.8	0.9
10°-20°	796.4	2.9
20°-30°	1423.3	5.2
30°-40°	2307.1	8.4
40°-50°	3757.9	13.6
50°-60°	5729.6	20.8
60°-70°	8523.8	30.9
70°-80°	4645.8	16.8
80°-90°	158.2	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°	27599.0	100.0
0°-180°	27599.0	100.0

Coefficient of Utilization



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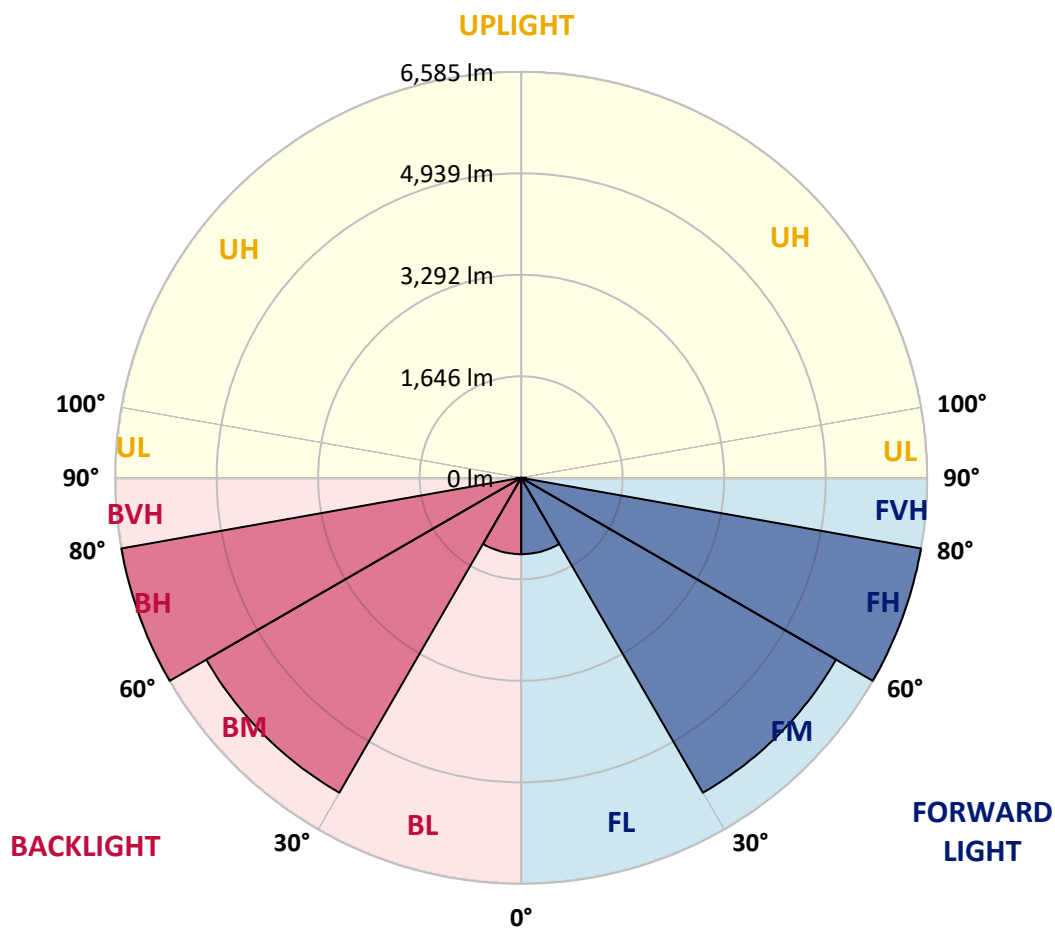
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1238.3	4.5			
FM	(30°-60°)	5897.3	21.4			
FH	(60°-80°)	6584.8	23.9			G3/7500
FVH	(80°-90°)	79.1	0.3			G1/100
BL	(0°-30°)	1238.3	4.5	B3/2500		
BM	(30°-60°)	5897.3	21.4	B4/8500		
BH	(60°-80°)	6584.8	23.9	B5		G3/7500
BVH	(80°-90°)	79.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2643.7	2643.7	2643.7	2643.7	2643.7	2643.7	2643.7	2643.7	2643.7	2643.7	2643.7
2.5°	2656.2	2658.9	2653.4	2650.6	2647.9	2643.7	2645.1	2652.0	2657.6	2656.2	2657.6
5°	2678.3	2681.1	2677.0	2675.6	2670.0	2668.6	2668.6	2675.6	2679.7	2677.0	2678.3
7.5°	2703.3	2707.4	2700.5	2699.1	2696.4	2693.6	2692.2	2699.1	2703.3	2703.3	2703.3
10°	2726.8	2731.0	2725.4	2721.3	2718.5	2718.5	2715.7	2721.3	2728.2	2726.8	2726.8
12.5°	2751.8	2754.5	2749.0	2746.2	2746.2	2750.4	2746.2	2749.0	2754.5	2751.8	2750.4
15°	2782.3	2783.6	2782.3	2786.4	2793.3	2807.2	2794.7	2792.0	2794.7	2787.8	2787.8
17.5°	2823.8	2826.6	2832.1	2841.8	2851.5	2876.5	2854.3	2847.4	2847.4	2833.5	2833.5
20°	2875.1	2879.2	2887.6	2904.2	2916.7	2940.2	2918.0	2908.3	2904.2	2886.2	2886.2
22.5°	2929.1	2936.1	2948.5	2970.7	2992.9	3015.0	2992.9	2976.2	2963.8	2940.2	2938.8
25°	2991.5	2999.8	3019.2	3055.2	3085.7	3117.6	3091.2	3058.0	3033.0	2999.8	2998.4
27.5°	3080.2	3089.9	3113.4	3157.8	3196.5	3224.3	3199.3	3156.4	3121.7	3081.5	3080.2
30°	3204.9	3214.6	3242.3	3289.4	3315.7	3333.7	3317.1	3283.8	3242.3	3196.5	3196.5
32.5°	3365.6	3378.1	3408.5	3452.9	3458.4	3461.2	3455.7	3439.0	3408.5	3353.1	3354.5
35°	3569.3	3583.1	3617.8	3653.8	3648.2	3653.8	3645.5	3639.9	3617.8	3554.0	3554.0
37.5°	3818.7	3835.3	3871.3	3899.0	3885.2	3878.3	3879.6	3881.0	3868.6	3797.9	3797.9
40°	4108.3	4130.4	4156.8	4185.9	4162.3	4141.5	4155.4	4166.5	4155.4	4083.3	4083.3
42.5°	4406.2	4438.0	4465.7	4507.3	4487.9	4461.6	4481.0	4493.5	4469.9	4392.3	4397.9
45°	4737.3	4767.8	4803.8	4866.2	4852.3	4824.6	4852.3	4855.1	4814.9	4723.5	4733.2
47.5°	5079.6	5111.4	5165.5	5248.6	5243.1	5212.6	5248.6	5229.2	5177.9	5068.5	5061.5
50°	5403.8	5448.1	5531.3	5647.6	5658.7	5621.3	5669.8	5632.4	5546.5	5409.3	5406.6
52.5°	5708.6	5755.7	5887.4	6045.3	6085.5	6037.0	6102.1	6037.0	5908.1	5732.2	5715.5
55°	6028.7	6081.3	6237.9	6444.4	6524.7	6488.7	6549.7	6451.3	6268.4	6055.0	6025.9
57.5°	6405.6	6437.4	6624.5	6869.7	7005.5	7013.8	7041.5	6875.3	6653.6	6411.1	6377.9
60°	6814.3	6858.7	7062.3	7356.1	7570.8	7640.1	7611.0	7364.4	7106.7	6828.2	6783.8
62.5°	7338.1	7386.6	7630.4	7982.4	8321.8	8493.6	8380.0	8022.5	7703.9	7369.9	7311.7
65°	7771.8	7825.8	8266.4	8894.1	9512.0	9857.1	9571.6	8913.5	8339.8	7868.7	7791.2
67.5°	7457.2	7523.7	8215.1	9367.9	10904.6	11934.1	10957.2	9509.3	8385.6	7746.8	7651.2
70°	6517.8	6580.1	7386.6	8795.7	11296.7	13552.4	11532.2	9054.8	7412.9	6697.9	6602.3
72.5°	4327.2	4528.1	5344.2	7034.6	10087.1	12540.9	10186.8	6891.9	4957.6	4317.5	4177.5
75°	1435.5	1596.2	2153.2	3646.9	6756.1	9379.0	6431.9	3227.0	1705.7	1227.6	1161.1
77.5°	361.6	417.1	575.0	1043.3	2695.0	5340.0	2426.2	852.1	464.2	324.2	289.6
80°	176.0	194.0	277.1	347.8	674.8	1697.3	633.2	327.0	218.9	169.0	155.2
82.5°	97.0	98.4	156.6	196.8	250.8	439.2	260.5	191.2	126.1	102.5	102.5
85°	59.6	58.2	83.1	105.3	105.3	156.6	124.7	105.3	72.1	63.7	66.5
87.5°	23.6	23.6	30.5	33.3	29.1	40.2	31.9	34.6	27.7	26.3	27.7
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)