

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: P942283

Luminaire Tested: **GALN-SB6B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27906 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 220.4
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



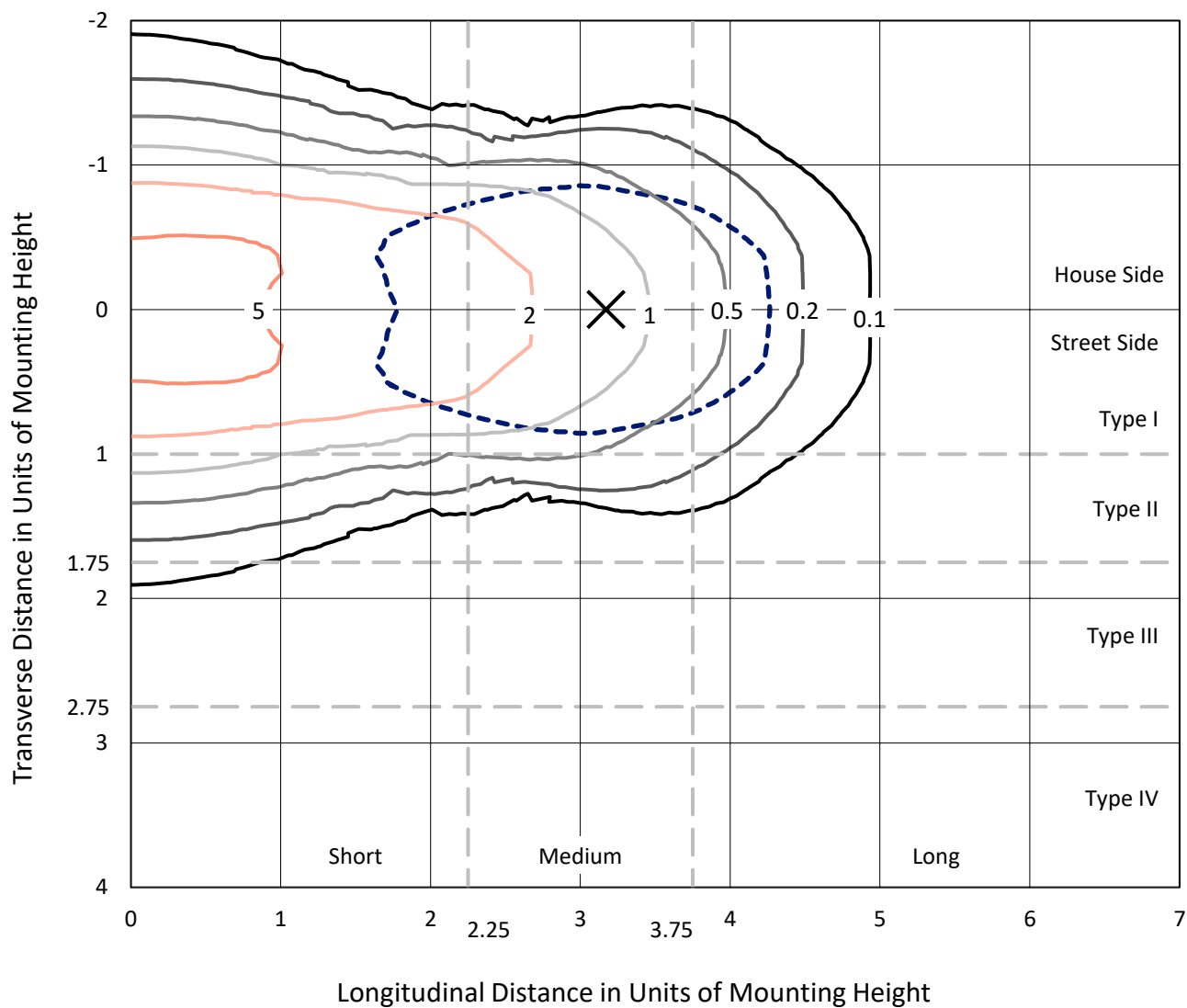
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Iso-Footcandle Lines of Horizontal Illumination

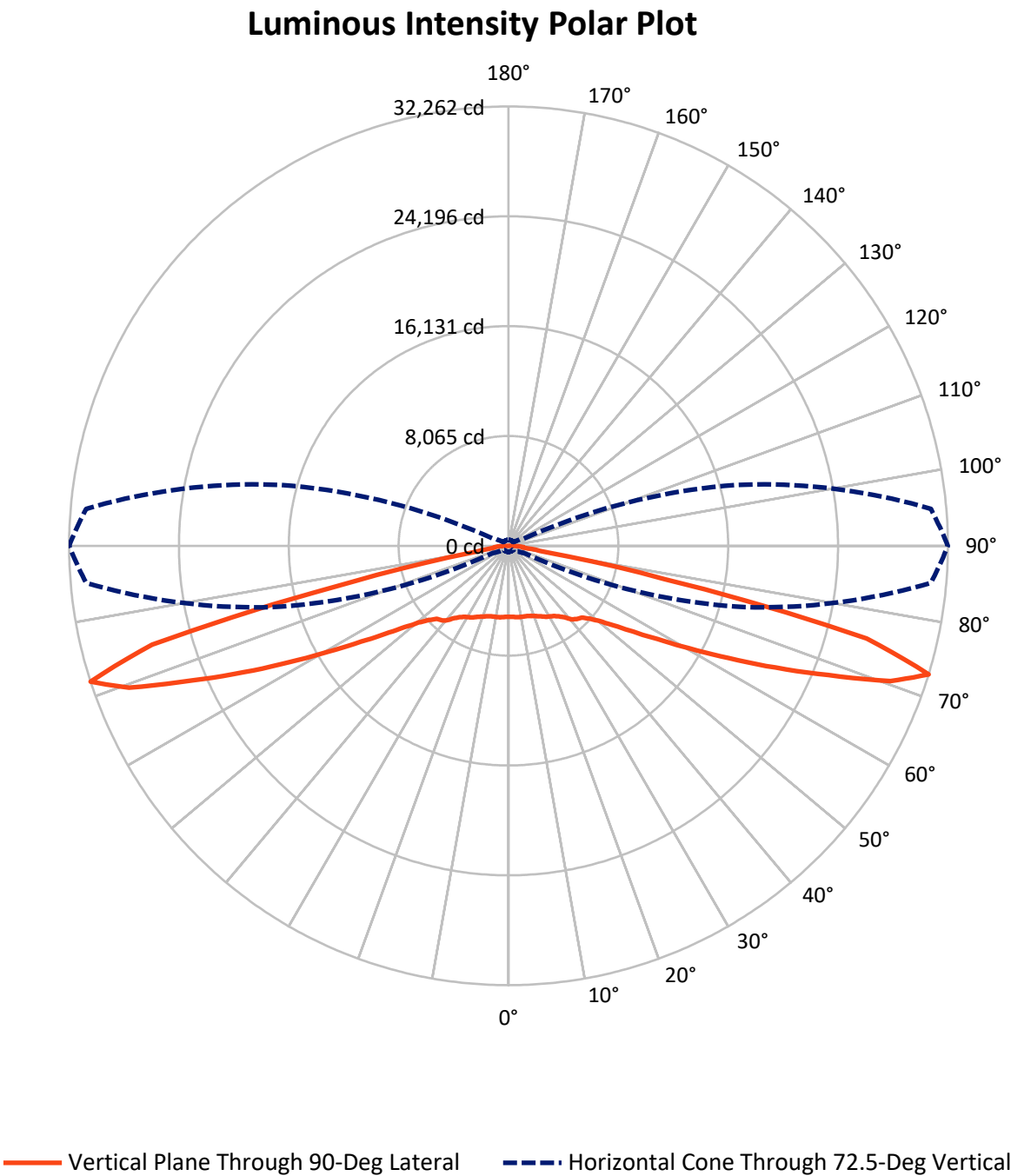
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type I - Short - N/A

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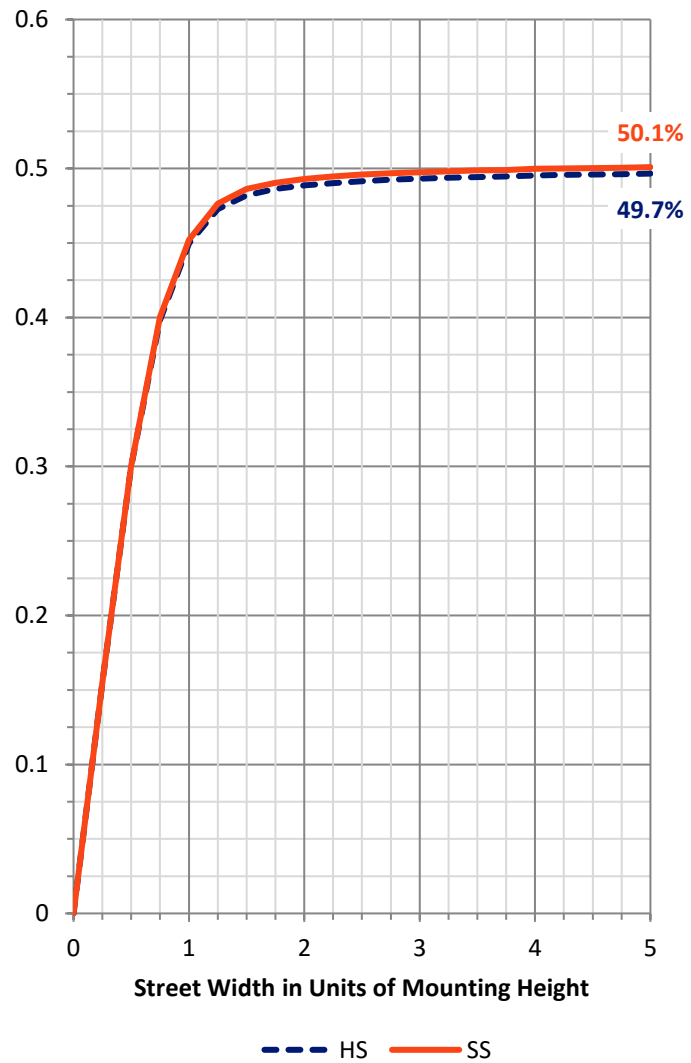
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13953.0	0.0	13953.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13953.0	0.0	13953.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27906.0	0.0	27906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	1.8
10°-20°	1546.0	5.5
20°-30°	2577.8	9.2
30°-40°	3545.2	12.7
40°-50°	4329.7	15.5
50°-60°	5007.7	17.9
60°-70°	5970.9	21.4
70°-80°	4167.3	14.9
80°-90°	256.0	0.9
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°	27906.0	100.0
0°-180°	27906.0	100.0

Coefficient of Utilization



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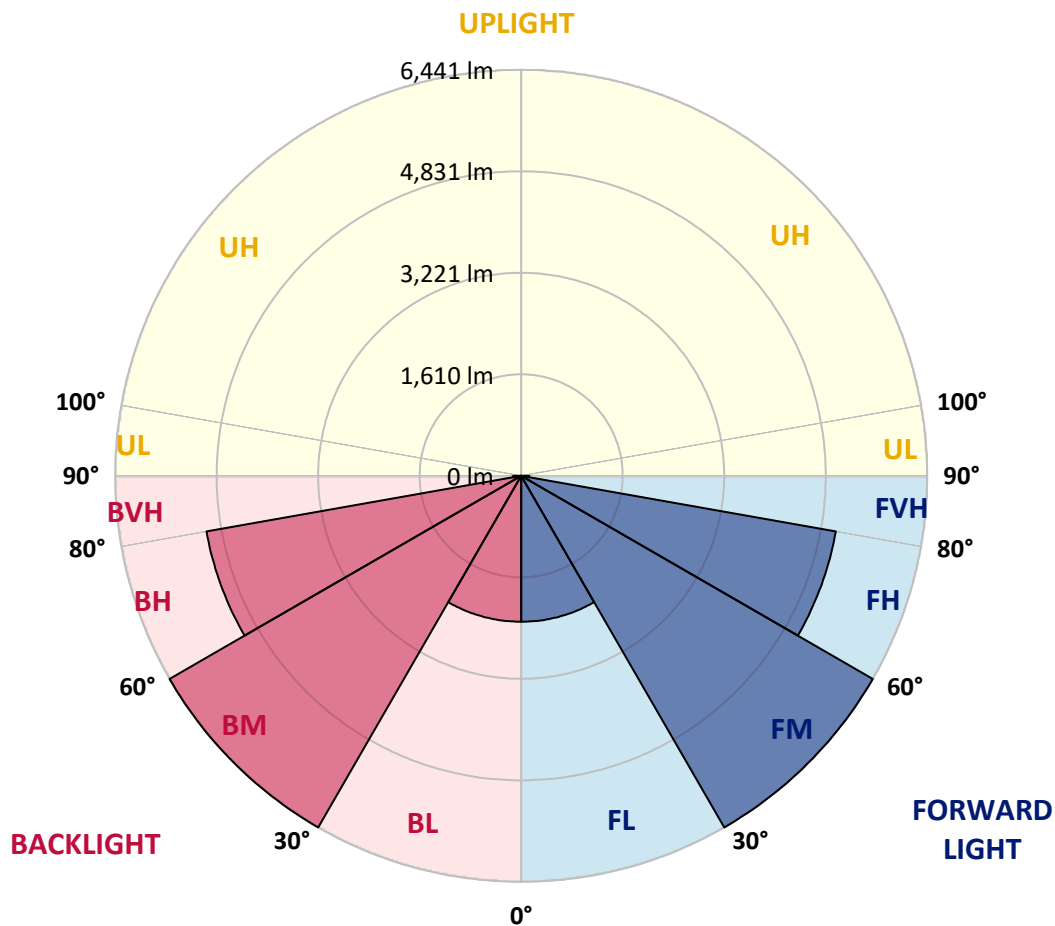
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2314.7	8.3			
FM	(30°-60°)	6441.3	23.1			
FH	(60°-80°)	5069.1	18.2			G3/7500
FVH	(80°-90°)	128.0	0.5			G2/225
BL	(0°-30°)	2314.7	8.3	B3/2500		
BM	(30°-60°)	6441.3	23.1	B4/8500		
BH	(60°-80°)	5069.1	18.2	B5		G5
BVH	(80°-90°)	128.0	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5214.5	5214.5	5214.5	5214.5	5214.5	5214.5	5214.5	5214.5	5214.5	5214.5	5214.5
2.5°	5219.0	5224.9	5224.9	5220.5	5230.8	5221.9	5221.9	5217.5	5221.9	5217.5	5217.5
5°	5245.7	5253.1	5256.1	5254.6	5267.9	5260.5	5260.5	5254.6	5256.1	5251.6	5251.6
7.5°	5296.1	5306.5	5312.4	5319.8	5339.1	5330.2	5324.3	5306.5	5299.1	5287.2	5287.2
10°	5312.4	5324.3	5343.6	5382.1	5426.6	5428.1	5410.3	5365.8	5331.7	5305.0	5300.5
12.5°	5262.0	5278.3	5318.3	5397.0	5496.3	5536.4	5508.2	5434.0	5367.3	5319.8	5312.4
15°	5198.2	5216.0	5276.8	5395.5	5542.3	5635.7	5632.8	5534.9	5428.1	5353.9	5342.1
17.5°	5098.8	5116.6	5204.1	5370.3	5577.9	5732.1	5773.7	5672.8	5523.0	5423.6	5407.3
20°	4919.4	4935.7	5057.3	5290.2	5589.8	5834.5	5942.7	5853.7	5666.9	5531.9	5506.7
22.5°	4686.6	4711.8	4854.1	5152.2	5561.6	5941.2	6135.5	6074.7	5834.5	5647.6	5613.5
25°	4437.4	4464.1	4630.2	4983.2	5488.9	6018.4	6363.9	6325.4	6024.3	5791.5	5744.0
27.5°	4222.3	4250.5	4431.5	4815.6	5376.2	6048.0	6589.4	6608.6	6254.2	5950.1	5899.7
30°	4053.3	4080.0	4272.8	4680.6	5230.8	6018.4	6786.6	6920.1	6488.5	6088.1	6015.4
32.5°	3867.9	3902.0	4105.2	4516.0	5058.8	5947.2	6958.6	7256.7	6759.9	6236.4	6144.4
35°	3633.6	3664.7	3878.3	4290.6	4833.4	5833.0	7102.5	7630.5	7148.5	6461.8	6359.5
37.5°	3348.8	3378.5	3590.6	4008.8	4609.4	5672.8	7212.2	8051.7	7611.2	6786.6	6650.2
40°	3062.6	3090.8	3289.5	3694.4	4341.0	5468.1	7250.8	8464.0	8142.1	7233.0	7087.7
42.5°	2800.1	2825.3	3007.7	3384.4	4039.9	5207.1	7200.4	8822.9	8618.2	7544.5	7357.6
45°	2558.3	2580.6	2742.2	3093.7	3727.0	4889.7	7049.1	9208.5	9184.8	7766.9	7514.8
47.5°	2282.5	2304.7	2472.3	2811.9	3414.1	4517.5	6792.5	9588.2	9972.3	8271.2	7980.5
50°	1945.8	1965.1	2137.1	2487.1	3089.3	4121.5	6436.6	9886.3	10965.9	9035.0	8670.1
52.5°	1546.9	1567.6	1735.2	2085.2	2703.7	3695.9	5967.9	10080.5	12113.8	10150.2	9700.9
55°	1150.9	1165.7	1311.0	1625.5	2226.1	3210.9	5380.6	10135.4	13416.0	11674.9	11112.8
57.5°	835.0	843.9	937.3	1171.6	1687.8	2604.3	4667.3	9993.0	14965.8	13629.6	12922.1
60°	676.3	679.3	707.4	811.2	1173.1	1919.1	3805.6	9503.6	16647.6	16149.3	15258.0
62.5°	614.0	614.0	621.4	649.6	793.5	1266.6	2763.0	8489.2	18451.1	19333.5	18139.6
65°	571.0	571.0	574.0	587.3	625.9	806.8	1744.1	6837.0	19971.2	23063.5	21553.7
67.5°	532.4	533.9	532.4	536.9	559.1	596.2	1011.5	4722.1	20789.9	26928.4	25298.5
70°	492.4	495.4	487.9	487.9	505.7	507.2	633.3	2589.5	20110.6	30167.5	29738.8
72.5°	444.9	449.4	437.5	434.5	447.9	442.0	476.1	1242.8	17266.1	31134.4	32261.6
75°	403.4	409.3	382.6	375.2	375.2	370.8	387.1	637.7	11206.2	25397.8	27165.7
77.5°	366.3	378.2	335.2	311.4	305.5	292.2	315.9	390.1	4901.6	11924.0	11676.3
80°	302.5	318.9	275.9	247.7	237.3	222.5	249.2	272.9	1457.9	2768.9	2651.8
82.5°	225.4	232.8	195.8	176.5	167.6	157.2	186.9	189.8	474.6	980.3	1107.9
85°	143.9	146.8	120.1	103.8	99.4	94.9	118.6	103.8	180.9	720.8	1047.1
87.5°	50.4	57.8	46.0	41.5	44.5	37.1	54.9	31.1	50.4	508.7	630.3
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)