

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: P942803

Luminaire Tested: **GALN-SB7A-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942803
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-SB7A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29272 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

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

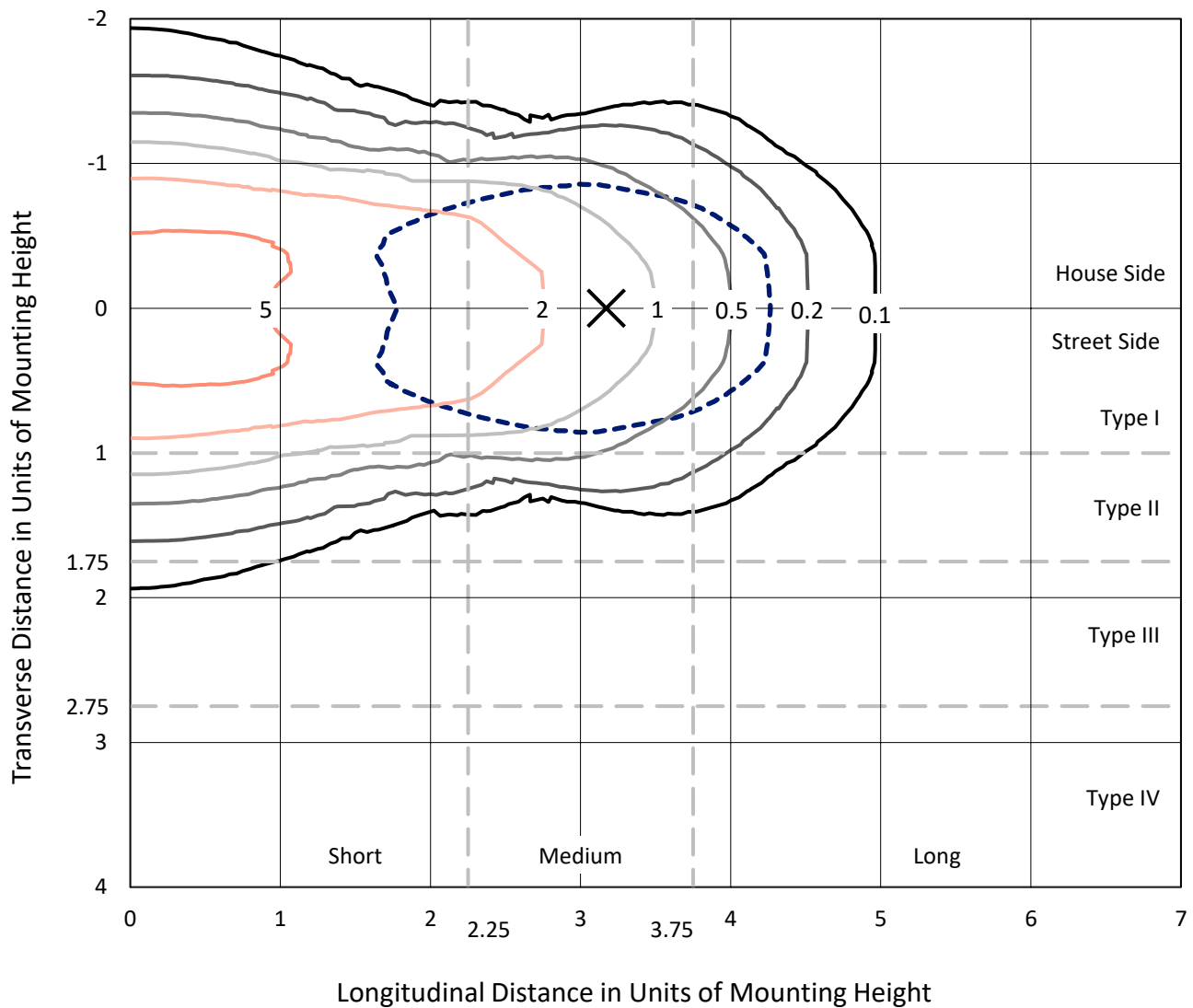


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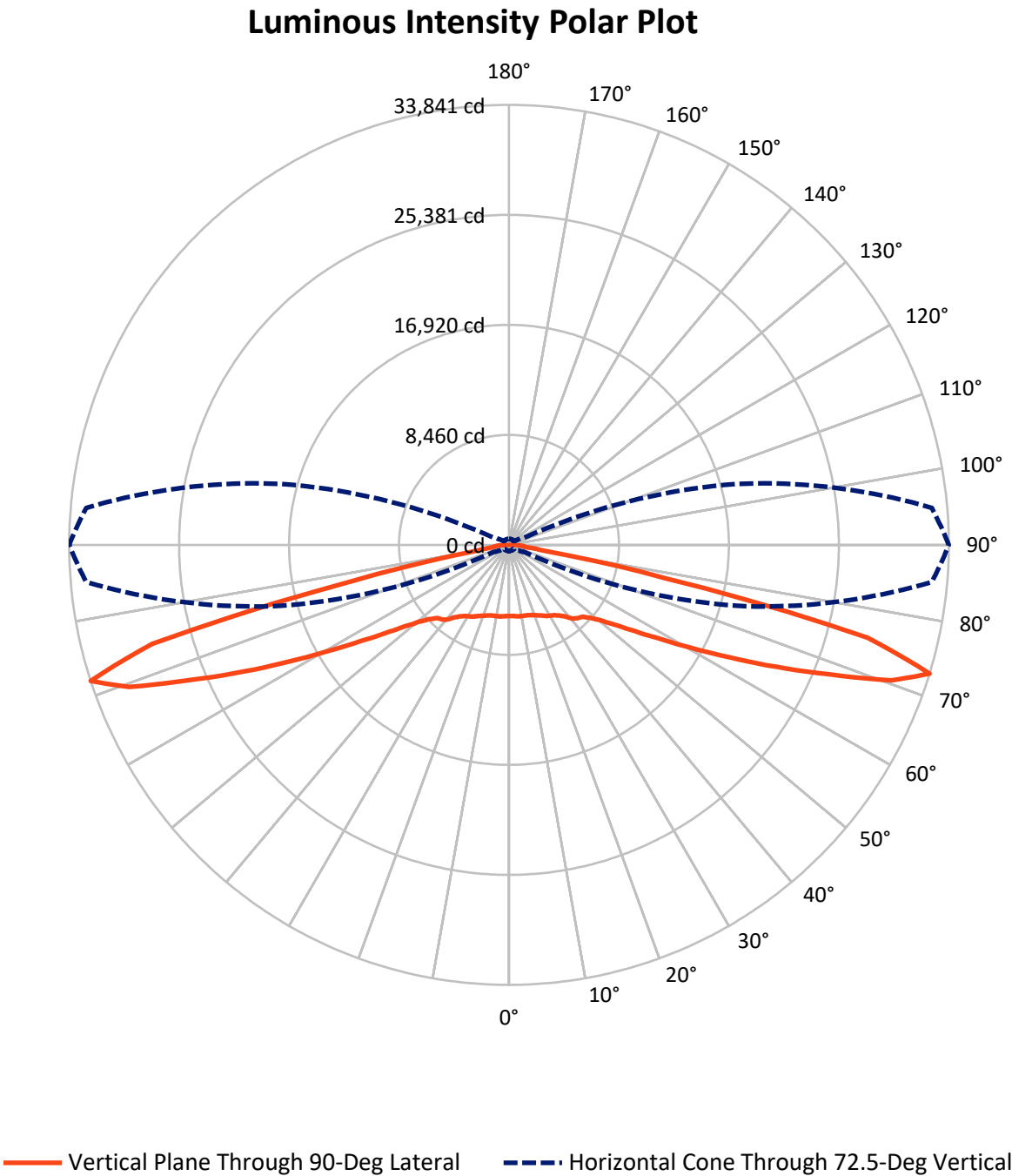
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type I - Short - N/A

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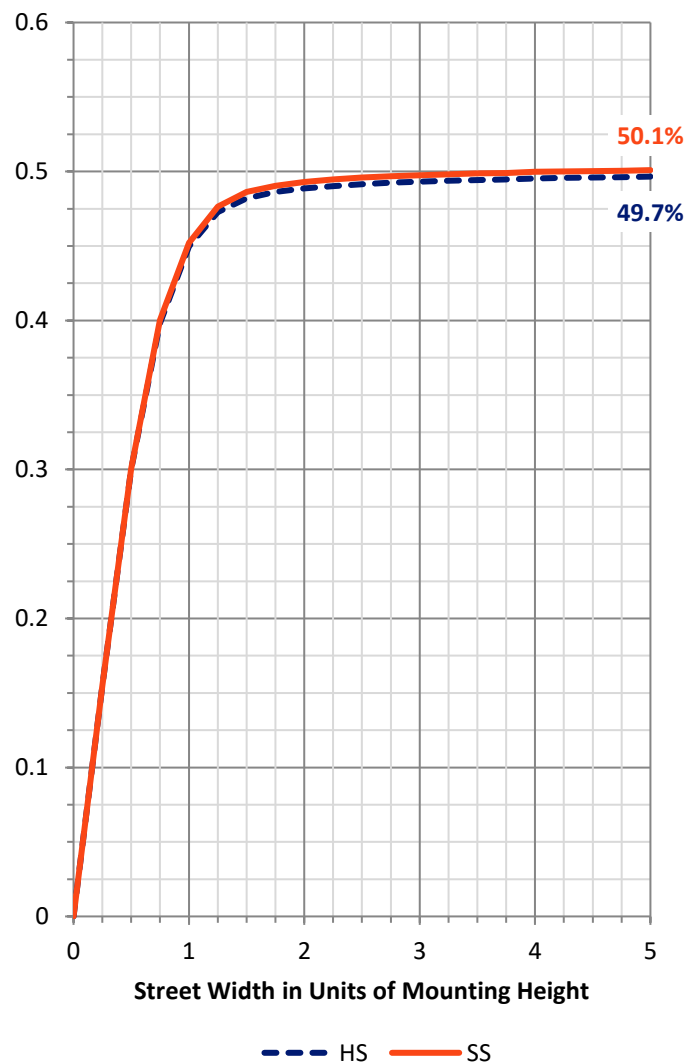
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14636.0	0.0	14636.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14636.0	0.0	14636.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29272.0	0.0	29272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.4	1.8
10°-20°	1621.6	5.5
20°-30°	2703.9	9.2
30°-40°	3718.7	12.7
40°-50°	4541.6	15.5
50°-60°	5252.8	17.9
60°-70°	6263.2	21.4
70°-80°	4371.3	14.9
80°-90°	268.5	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°	29272.0	100.0
0°-180°	29272.0	100.0

Coefficient of Utilization



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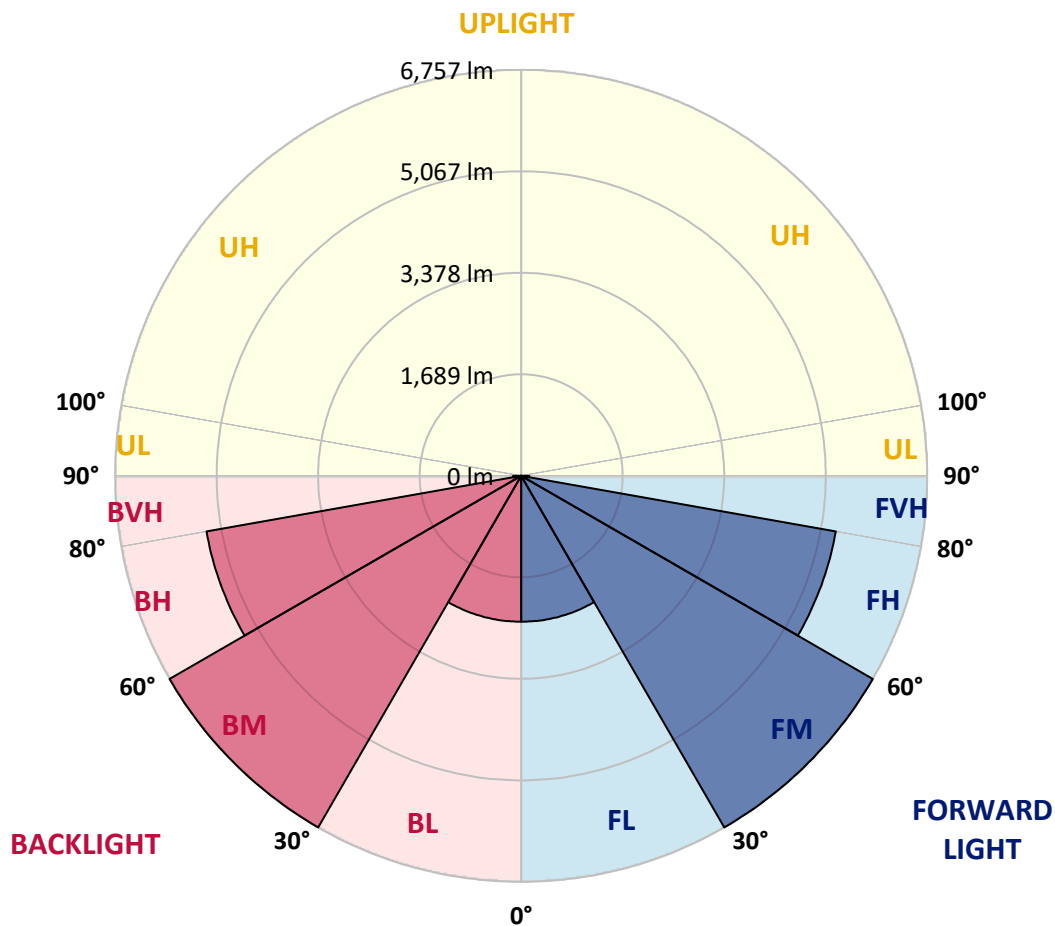
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2428.0	8.3			
FM	(30°-60°)	6756.6	23.1			
FH	(60°-80°)	5317.2	18.2			G3/7500
FVH	(80°-90°)	134.2	0.5			G2/225
BL	(0°-30°)	2428.0	8.3	B3/2500		
BM	(30°-60°)	6756.6	23.1	B4/8500		
BH	(60°-80°)	5317.2	18.2	B5		G5
BVH	(80°-90°)	134.2	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°	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8
2.5°	5474.4	5480.7	5480.7	5476.0	5486.9	5477.6	5477.6	5472.9	5477.6	5472.9	5472.9
5°	5502.5	5510.2	5513.3	5511.8	5525.8	5518.0	5518.0	5511.8	5513.3	5508.7	5508.7
7.5°	5555.3	5566.2	5572.5	5580.2	5600.5	5591.1	5584.9	5566.2	5558.5	5546.0	5546.0
10°	5572.5	5584.9	5605.1	5645.6	5692.2	5693.8	5675.1	5628.5	5592.7	5564.7	5560.0
12.5°	5519.6	5536.7	5578.7	5661.1	5765.4	5807.4	5777.8	5700.0	5630.0	5580.2	5572.5
15°	5452.7	5471.3	5535.1	5659.6	5813.6	5911.6	5908.5	5805.8	5693.8	5616.0	5603.6
17.5°	5348.4	5367.1	5458.9	5633.1	5850.9	6012.7	6056.3	5950.5	5793.4	5689.1	5672.0
20°	5160.2	5177.3	5304.9	5549.1	5863.4	6120.1	6233.6	6140.3	5944.3	5802.7	5776.3
22.5°	4916.0	4942.4	5091.8	5404.4	5833.8	6232.1	6435.9	6372.1	6120.1	5924.0	5888.3
25°	4654.6	4682.6	4856.8	5227.1	5757.6	6313.0	6675.4	6635.0	6319.2	6074.9	6025.2
27.5°	4429.0	4458.6	4648.4	5051.3	5639.4	6344.1	6911.9	6932.1	6560.3	6241.4	6188.5
30°	4251.7	4279.7	4481.9	4909.7	5486.9	6313.0	7118.8	7258.8	6806.1	6386.1	6309.9
32.5°	4057.2	4093.0	4306.1	4737.1	5306.4	6238.3	7299.3	7612.0	7090.8	6541.6	6445.2
35°	3811.4	3844.1	4068.1	4500.6	5070.0	6118.5	7450.2	8004.0	7498.4	6778.1	6670.8
37.5°	3512.7	3543.8	3766.3	4205.0	4835.1	5950.5	7565.3	8445.8	7983.8	7118.8	6975.7
40°	3212.5	3242.0	3450.5	3875.2	4553.5	5735.8	7605.7	8878.3	8540.7	7587.1	7434.6
42.5°	2937.1	2963.6	3154.9	3550.1	4237.7	5462.0	7552.8	9254.8	9040.1	7913.8	7717.7
45°	2683.6	2706.9	2876.5	3245.2	3909.4	5129.1	7394.2	9659.2	9634.3	8147.1	7882.6
47.5°	2394.2	2417.5	2593.3	2949.6	3581.2	4738.6	7125.0	10057.5	10460.4	8676.0	8371.1
50°	2041.1	2061.3	2241.7	2608.9	3240.5	4323.2	6751.7	10370.2	11502.7	9477.2	9094.5
52.5°	1622.6	1644.4	1820.1	2187.3	2836.0	3876.8	6260.1	10574.0	12706.8	10647.1	10175.7
55°	1207.2	1222.8	1375.2	1705.0	2335.1	3368.1	5644.0	10631.5	14072.7	12246.3	11656.7
57.5°	875.8	885.2	983.2	1229.0	1770.4	2731.8	4895.7	10482.2	15698.4	14296.7	13554.7
60°	709.4	712.5	742.1	851.0	1230.5	2013.1	3991.9	9968.8	17462.5	16939.8	16004.9
62.5°	644.1	644.1	651.8	681.4	832.3	1328.6	2898.2	8904.7	19354.3	20279.9	19027.6
65°	598.9	598.9	602.0	616.1	656.5	846.3	1829.5	7171.7	20948.8	24192.4	22608.7
67.5°	558.5	560.0	558.5	563.2	586.5	625.4	1061.0	4953.3	21807.6	28246.5	26536.8
70°	516.5	519.6	511.8	511.8	530.5	532.0	664.3	2716.2	21095.1	31644.2	31194.6
72.5°	466.7	471.4	458.9	455.8	469.8	463.6	499.4	1303.7	18111.3	32658.5	33840.8
75°	423.1	429.4	401.4	393.6	393.6	388.9	406.0	668.9	11754.7	26641.1	28495.4
77.5°	384.3	396.7	351.6	326.7	320.5	306.5	331.4	409.1	5141.5	12507.7	12247.9
80°	317.4	334.5	289.4	259.8	248.9	233.4	261.4	286.2	1529.2	2904.5	2781.6
82.5°	236.5	244.2	205.4	185.1	175.8	164.9	196.0	199.1	497.8	1028.3	1162.1
85°	150.9	154.0	126.0	108.9	104.2	99.6	124.5	108.9	189.8	756.1	1098.3
87.5°	52.9	60.7	48.2	43.6	46.7	38.9	57.6	32.7	52.9	533.6	661.2
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)