

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: P942183

Luminaire Tested: **GALN-SB6A-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942183
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-SB6A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23400 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

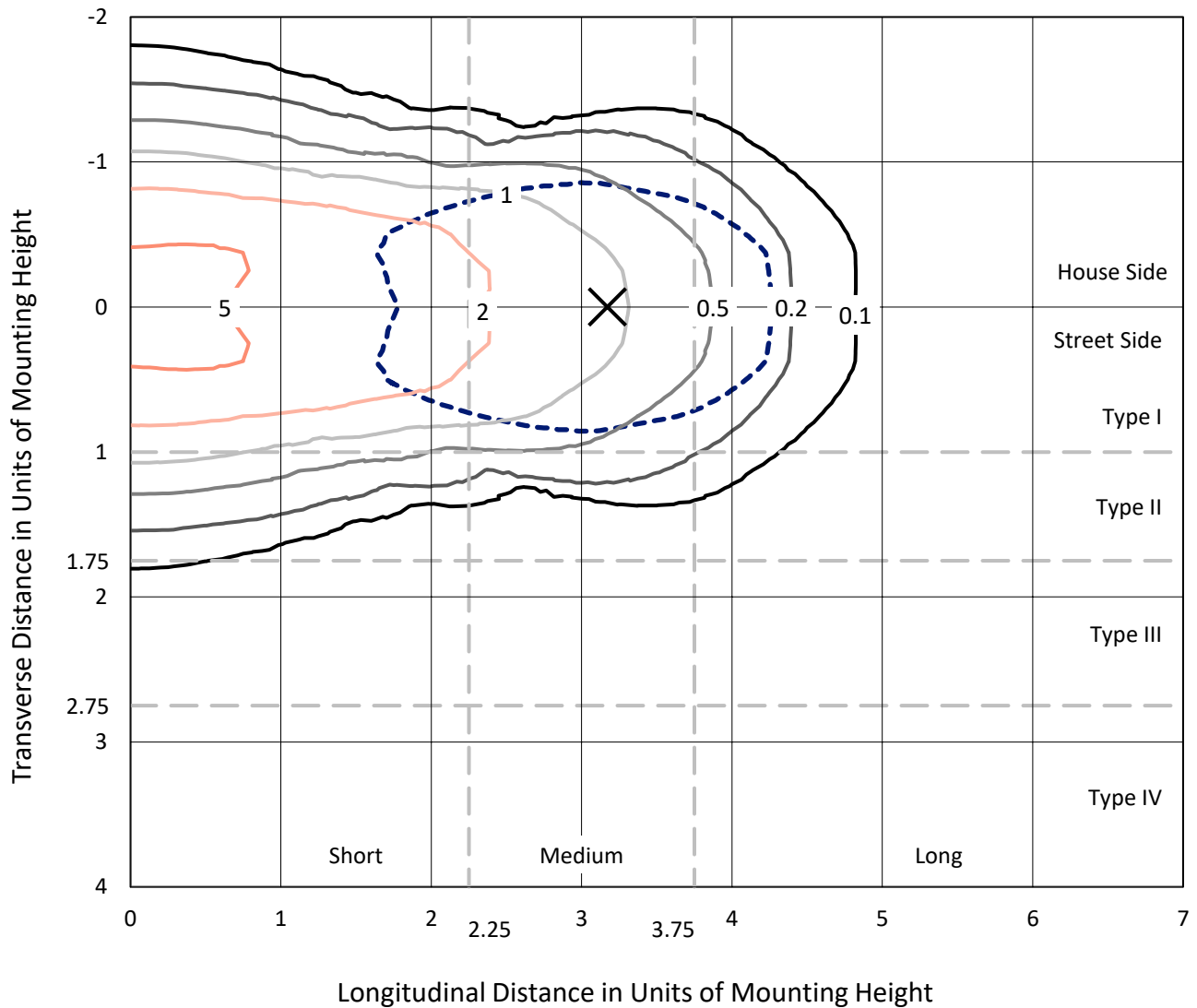
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

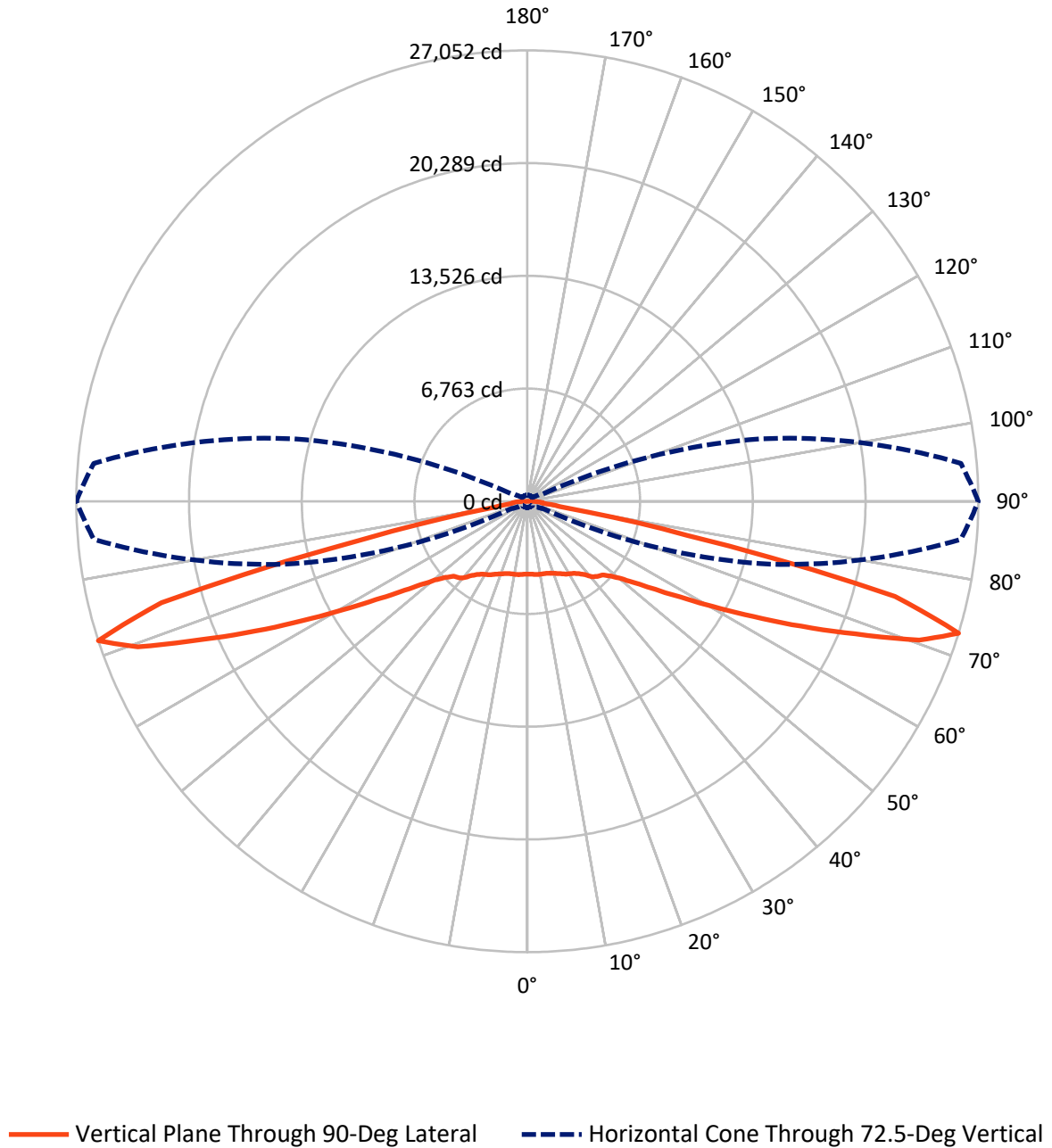
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11700.0	0.0	11700.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11700.0	0.0	11700.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23400.0	0.0	23400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.0	1.8
10°-20°	1296.3	5.5
20°-30°	2161.5	9.2
30°-40°	2972.8	12.7
40°-50°	3630.5	15.5
50°-60°	4199.1	17.9
60°-70°	5006.7	21.4
70°-80°	3494.4	14.9
80°-90°	214.6	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°	23400.0	100.0
0°-180°	23400.0	100.0

Coefficient of Utilization



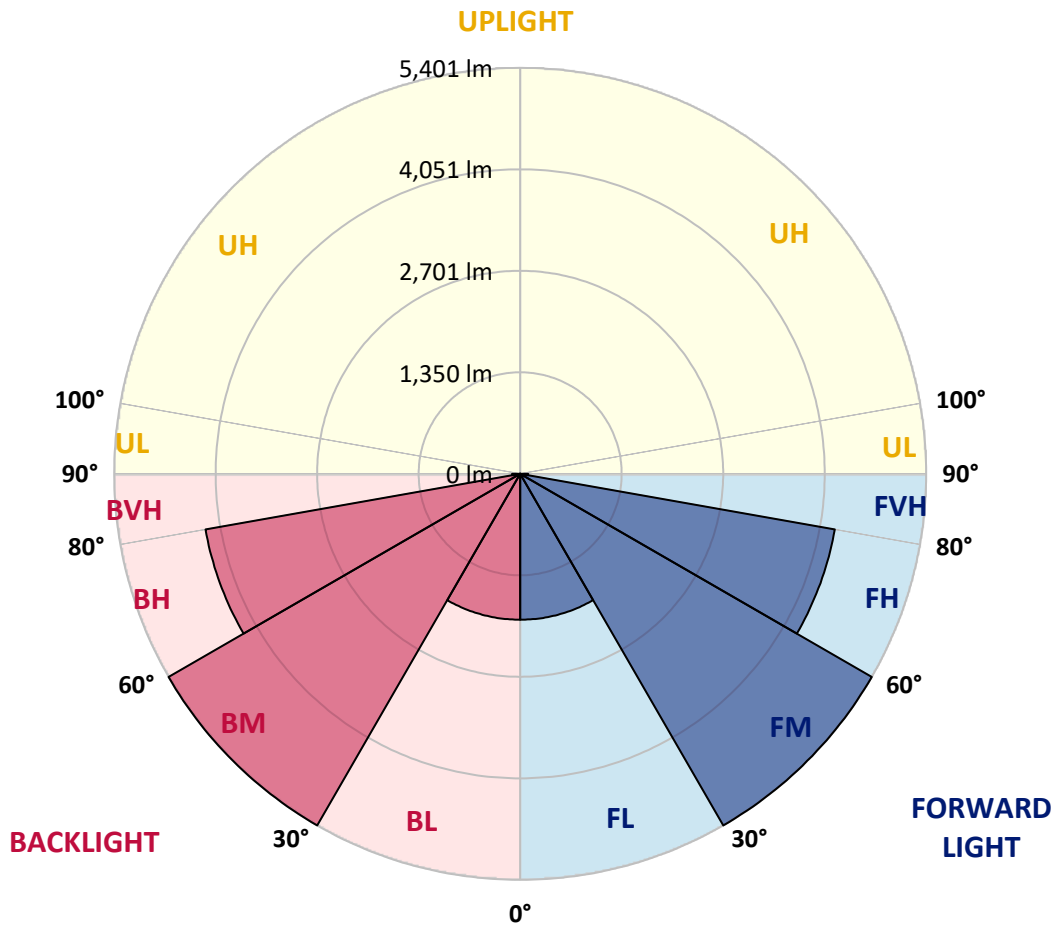
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1940.9	8.3			
FM (30°-60°)	5401.2	23.1			
FH (60°-80°)	4250.6	18.2			G2/5000
FVH (80°-90°)	107.3	0.5			G2/225
BL (0°-30°)	1940.9	8.3	B3/2500		
BM (30°-60°)	5401.2	23.1	B4/8500		
BH (60°-80°)	4250.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	107.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4372.5	4372.5	4372.5	4372.5	4372.5	4372.5	4372.5	4372.5	4372.5	4372.5
2.5°	4376.3	4381.2	4381.2	4377.5	4386.2	4378.8	4378.8	4375.0	4378.8	4375.0
5°	4398.7	4404.9	4407.4	4406.1	4417.3	4411.1	4411.1	4406.1	4407.4	4403.6
7.5°	4440.9	4449.6	4454.6	4460.8	4477.0	4469.5	4464.6	4449.6	4443.4	4433.5
10°	4454.6	4464.6	4480.7	4513.1	4550.4	4551.6	4536.7	4499.4	4470.8	4448.4
12.5°	4412.3	4426.0	4459.6	4525.5	4608.8	4642.4	4618.8	4556.6	4500.6	4460.8
15°	4358.9	4373.8	4424.8	4524.3	4647.4	4725.7	4723.2	4641.2	4551.6	4489.4
17.5°	4275.5	4290.5	4363.8	4503.1	4677.2	4806.6	4841.4	4756.8	4631.2	4547.9
20°	4125.1	4138.7	4240.7	4436.0	4687.2	4892.4	4983.2	4908.5	4751.8	4638.7
22.5°	3929.8	3951.0	4070.3	4320.3	4663.5	4981.9	5144.8	5093.8	4892.4	4735.7
25°	3720.9	3743.3	3882.6	4178.5	4602.6	5046.6	5336.3	5304.0	5051.5	4856.3
27.5°	3540.6	3564.2	3715.9	4038.0	4508.1	5071.4	5525.4	5541.5	5244.3	4989.4
30°	3398.8	3421.2	3582.8	3924.8	4386.2	5046.6	5690.8	5802.7	5440.8	5105.0
32.5°	3243.3	3271.9	3442.3	3786.8	4242.0	4986.9	5835.0	6085.0	5668.4	5229.4
35°	3046.8	3073.0	3252.0	3597.8	4052.9	4891.1	5955.7	6398.4	5994.2	5418.4
37.5°	2808.1	2832.9	3010.8	3361.5	3865.1	4756.8	6047.7	6751.6	6382.2	5690.8
40°	2568.1	2591.7	2758.3	3097.8	3640.1	4585.2	6080.0	7097.3	6827.4	6065.1
42.5°	2347.9	2369.1	2522.0	2837.9	3387.6	4366.3	6037.7	7398.2	7226.6	6326.3
45°	2145.2	2163.9	2299.4	2594.2	3125.2	4100.2	5910.9	7721.6	7701.7	6512.8
47.5°	1913.9	1932.6	2073.1	2357.9	2862.8	3788.0	5695.7	8039.9	8362.0	6935.6
50°	1631.6	1647.8	1792.0	2085.5	2590.4	3456.0	5397.3	8289.9	9195.3	7576.1
52.5°	1297.1	1314.5	1455.0	1748.5	2267.1	3099.1	5004.3	8452.8	10157.8	8511.3
55°	965.0	977.5	1099.4	1363.0	1866.7	2692.4	4511.8	8498.8	11249.7	9789.7
57.5°	700.2	707.6	786.0	982.5	1415.2	2183.8	3913.6	8379.5	12549.3	11428.8
60°	567.1	569.6	593.2	680.3	983.7	1609.2	3191.1	7969.1	13959.5	13541.7
62.5°	514.9	514.9	521.1	544.7	665.3	1062.0	2316.8	7118.4	15471.8	16211.7
65°	478.8	478.8	481.3	492.5	524.8	676.5	1462.5	5733.0	16746.5	19339.4
67.5°	446.5	447.7	446.5	450.2	468.8	499.9	848.1	3959.7	17432.9	22580.2
70°	412.9	415.4	409.1	409.1	424.1	425.3	531.0	2171.3	16863.4	25296.3
72.5°	373.1	376.8	366.9	364.4	375.6	370.6	399.2	1042.1	14478.1	26107.1
75°	338.3	343.2	320.9	314.6	314.6	310.9	324.6	534.8	9396.7	21296.8
77.5°	307.2	317.1	281.1	261.2	256.2	245.0	264.9	327.1	4110.1	9998.6
80°	253.7	267.4	231.3	207.7	199.0	186.5	208.9	228.8	1222.5	2321.8
82.5°	189.0	195.2	164.2	148.0	140.5	131.8	156.7	159.2	398.0	822.0
85°	120.6	123.1	100.7	87.1	83.3	79.6	99.5	87.1	151.7	604.4
87.5°	42.3	48.5	38.6	34.8	37.3	31.1	46.0	26.1	42.3	426.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4372.5
4375.0
4403.6
4433.5
4444.7
4454.6
4479.5
4534.2
4617.5
4707.1
4816.5
4947.1
5044.1
5152.3
5332.6
5576.4
5943.2
6169.6
6301.4
6691.9
7270.2
8134.5
9318.4
10835.6
12794.3
15210.6
18073.4
21213.5
24936.9
27052.3
22779.2
9791.0
2223.6
929.0
878.0
528.5
0.0

OF REPORT)