

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: P944273

Luminaire Tested: **GALN-SB9A-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944273
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-SB9A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24603 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

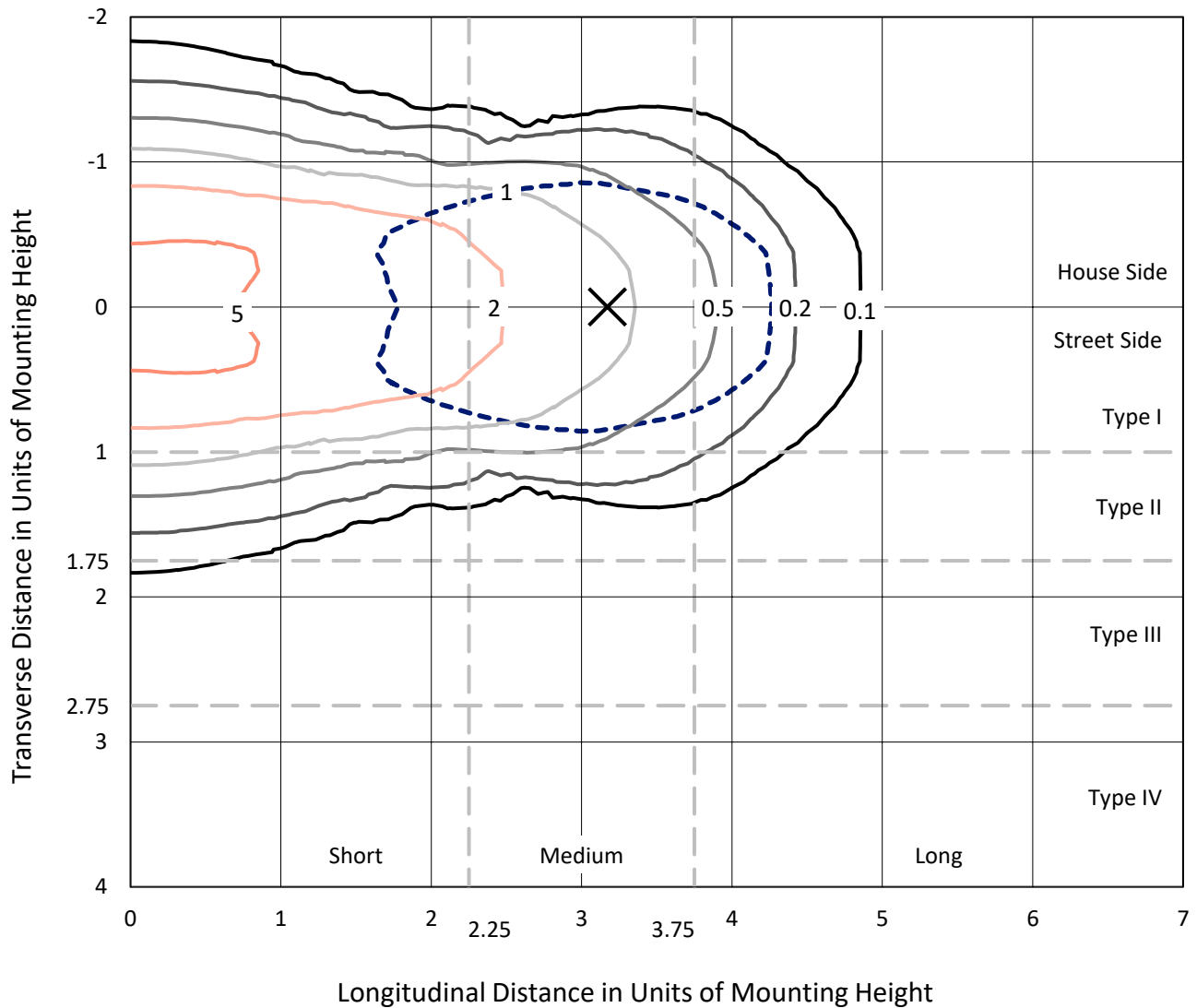
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

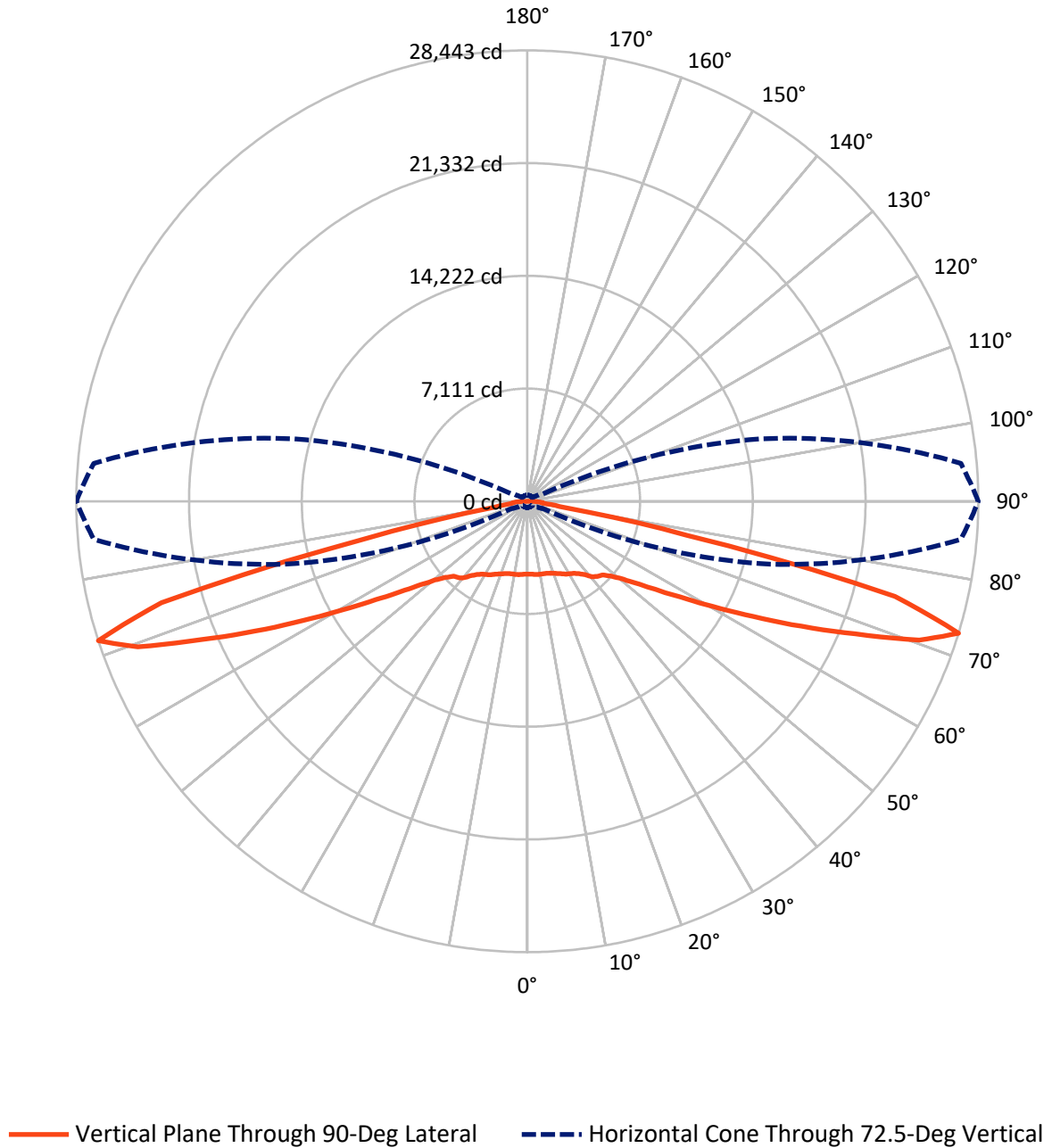
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	12301.5	0.0	12301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12301.5	0.0	12301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24603.0	0.0	24603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.8	1.8
10°-20°	1363.0	5.5
20°-30°	2272.6	9.2
30°-40°	3125.6	12.7
40°-50°	3817.2	15.5
50°-60°	4415.0	17.9
60°-70°	5264.2	21.4
70°-80°	3674.0	14.9
80°-90°	225.7	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°	24603.0	100.0
0°-180°	24603.0	100.0

Coefficient of Utilization



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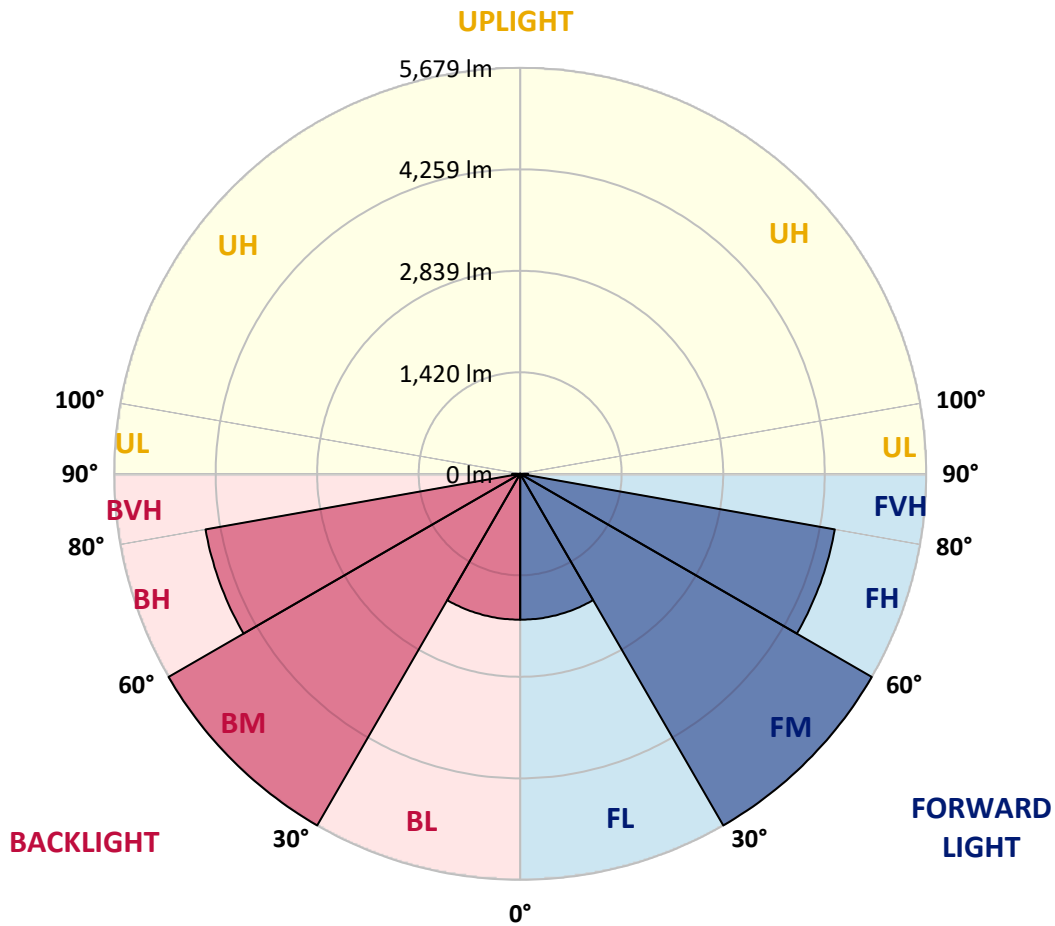
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2040.7	8.3			
FM (30°-60°)	5678.9	23.1			
FH (60°-80°)	4469.1	18.2			G2/5000
FVH (80°-90°)	112.8	0.5			G2/225
BL (0°-30°)	2040.7	8.3	B3/2500		
BM (30°-60°)	5678.9	23.1	B4/8500		
BH (60°-80°)	4469.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	112.8	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°	4597.3	4597.3	4597.3	4597.3	4597.3	4597.3	4597.3	4597.3	4597.3	4597.3
2.5°	4601.3	4606.5	4606.5	4602.6	4611.7	4603.9	4603.9	4599.9	4603.9	4599.9
5°	4624.8	4631.3	4633.9	4632.6	4644.4	4637.9	4637.9	4632.6	4633.9	4630.0
7.5°	4669.2	4678.4	4683.6	4690.2	4707.2	4699.3	4694.1	4678.4	4671.9	4661.4
10°	4683.6	4694.1	4711.1	4745.1	4784.3	4785.6	4769.9	4730.7	4700.6	4677.1
12.5°	4639.2	4653.6	4688.9	4758.2	4845.8	4881.1	4856.2	4790.8	4732.0	4690.2
15°	4582.9	4598.6	4652.2	4756.9	4886.3	4968.7	4966.1	4879.8	4785.6	4720.2
17.5°	4495.3	4511.0	4588.2	4734.6	4917.7	5053.7	5090.3	5001.4	4869.3	4781.7
20°	4337.1	4351.5	4458.7	4664.0	4928.1	5143.9	5239.3	5160.9	4996.1	4877.1
22.5°	4131.8	4154.1	4279.6	4542.4	4903.3	5238.0	5409.3	5355.7	5143.9	4979.1
25°	3912.2	3935.7	4082.2	4393.4	4839.2	5306.0	5610.7	5576.7	5311.3	5106.0
27.5°	3722.6	3747.4	3906.9	4245.6	4739.9	5332.2	5809.4	5826.4	5513.9	5245.9
30°	3573.5	3597.1	3767.0	4126.6	4611.7	5306.0	5983.3	6101.0	5720.5	5367.5
32.5°	3410.1	3440.2	3619.3	3981.5	4460.0	5243.3	6135.0	6397.8	5959.8	5498.2
35°	3203.5	3230.9	3419.2	3782.7	4261.3	5142.6	6261.8	6727.3	6302.4	5697.0
37.5°	2952.4	2978.6	3165.6	3534.3	4063.9	5001.4	6358.6	7098.7	6710.3	5983.3
40°	2700.1	2724.9	2900.1	3257.1	3827.2	4820.9	6392.6	7462.2	7178.4	6376.9
42.5°	2468.6	2490.9	2651.7	2983.8	3561.8	4590.8	6348.1	7778.6	7598.1	6651.5
45°	2255.5	2275.1	2417.7	2727.5	3285.9	4311.0	6214.8	8118.6	8097.6	6847.6
47.5°	2012.3	2031.9	2179.7	2479.1	3010.0	3982.8	5988.6	8453.3	8791.9	7292.2
50°	1715.5	1732.5	1884.2	2192.8	2723.6	3633.7	5674.7	8716.1	9668.0	7965.6
52.5°	1363.8	1382.1	1529.8	1838.4	2383.7	3258.4	5261.6	8887.4	10680.0	8948.8
55°	1014.7	1027.7	1155.9	1433.1	1962.6	2830.8	4743.8	8935.8	11828.1	10293.0
57.5°	736.1	744.0	826.4	1033.0	1488.0	2296.1	4114.8	8810.2	13194.4	12016.3
60°	596.2	598.9	623.7	715.2	1034.3	1692.0	3355.2	8378.8	14677.2	14237.9
62.5°	541.3	541.3	547.9	572.7	699.5	1116.6	2436.0	7484.4	16267.2	17045.2
65°	503.4	503.4	506.0	517.8	551.8	711.3	1537.7	6027.8	17607.4	20333.6
67.5°	469.4	470.7	469.4	473.3	492.9	525.6	891.7	4163.2	18329.2	23741.1
70°	434.1	436.7	430.2	430.2	445.9	447.2	558.3	2283.0	17730.3	26596.8
72.5°	392.3	396.2	385.7	383.1	394.9	389.6	419.7	1095.7	15222.4	27449.3
75°	355.7	360.9	337.3	330.8	330.8	326.9	341.3	562.2	9879.8	22391.7
77.5°	323.0	333.4	295.5	274.6	269.4	257.6	278.5	343.9	4321.4	10512.7
80°	266.7	281.1	243.2	218.4	209.2	196.1	219.7	240.6	1285.3	2441.2
82.5°	198.7	205.3	172.6	155.6	147.8	138.6	164.8	167.4	418.4	864.3
85°	126.8	129.4	105.9	91.5	87.6	83.7	104.6	91.5	159.5	635.5
87.5°	44.5	51.0	40.5	36.6	39.2	32.7	48.4	27.5	44.5	448.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4597.3
4599.9
4630.0
4661.4
4673.2
4683.6
4709.8
4767.3
4854.9
4949.1
5064.1
5201.4
5303.4
5417.2
5606.8
5863.0
6248.8
6486.7
6625.3
7035.9
7643.9
8552.7
9797.4
11392.6
13452.0
15992.6
19002.6
22304.1
26218.9
28443.0
23950.3
10294.3
2337.9
976.7
923.1
555.7
0.0

OF REPORT)