

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: P943593

Luminaire Tested: **GALN-SB8A-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943593
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-SB8A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 21842 lumens
Efficiency: N/A
Efficacy: 96.2 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

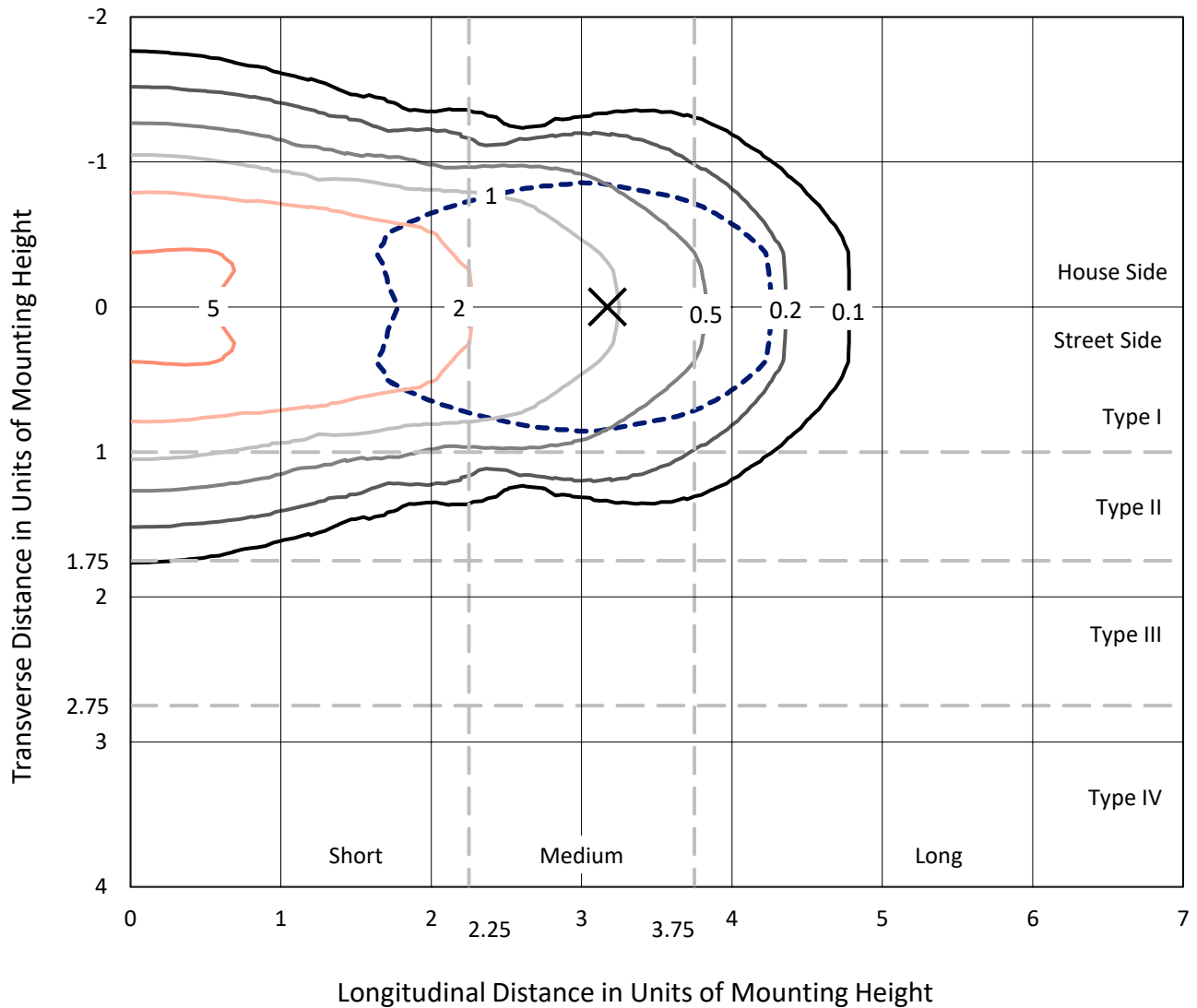
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

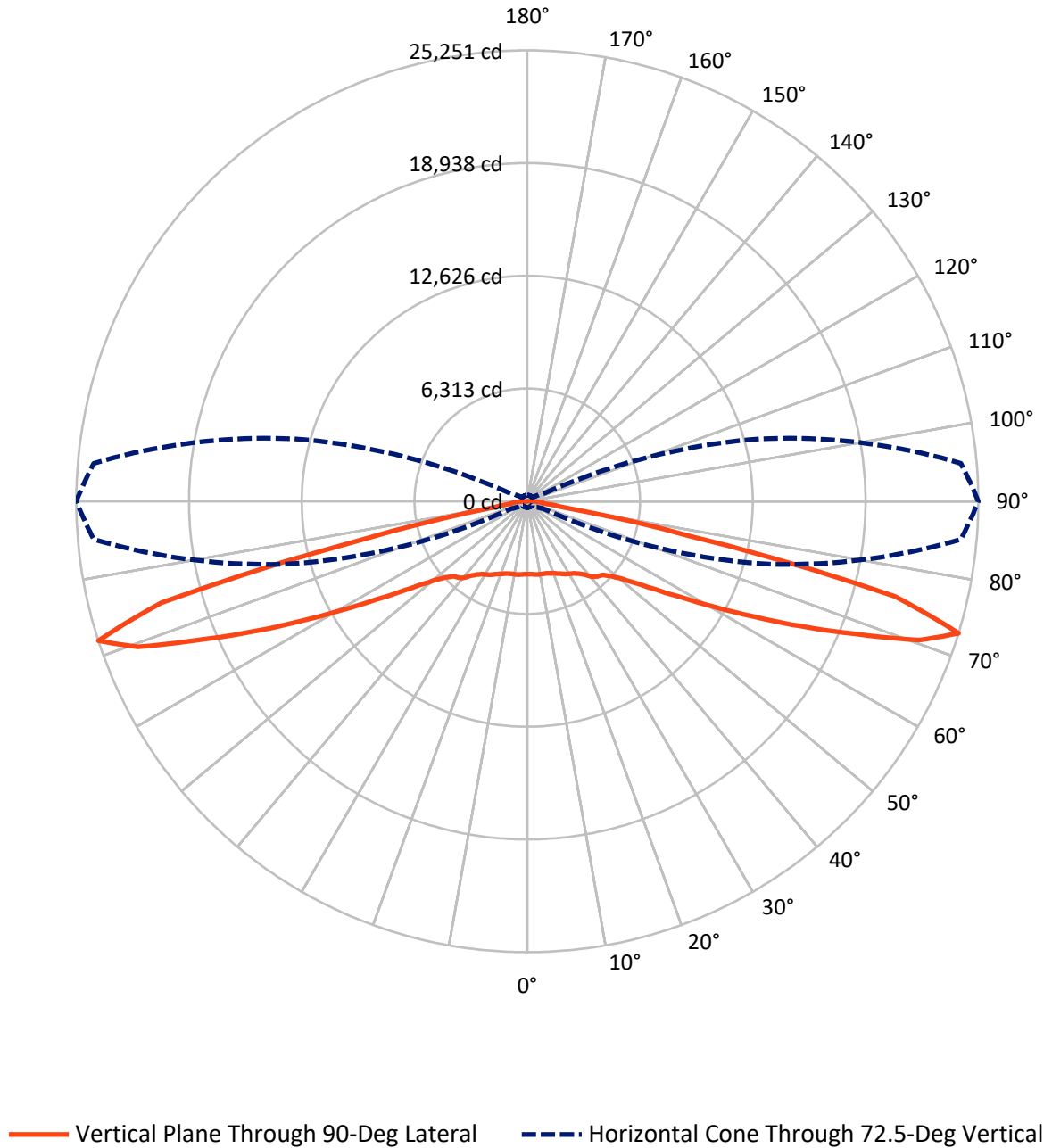
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	10921.0	0.0	10921.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10921.0	0.0	10921.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21842.0	0.0	21842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.7	1.8
10°-20°	1210.0	5.5
20°-30°	2017.6	9.2
30°-40°	2774.8	12.7
40°-50°	3388.8	15.5
50°-60°	3919.5	17.9
60°-70°	4673.4	21.4
70°-80°	3261.7	14.9
80°-90°	200.3	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°	21842.0	100.0
0°-180°	21842.0	100.0

Coefficient of Utilization



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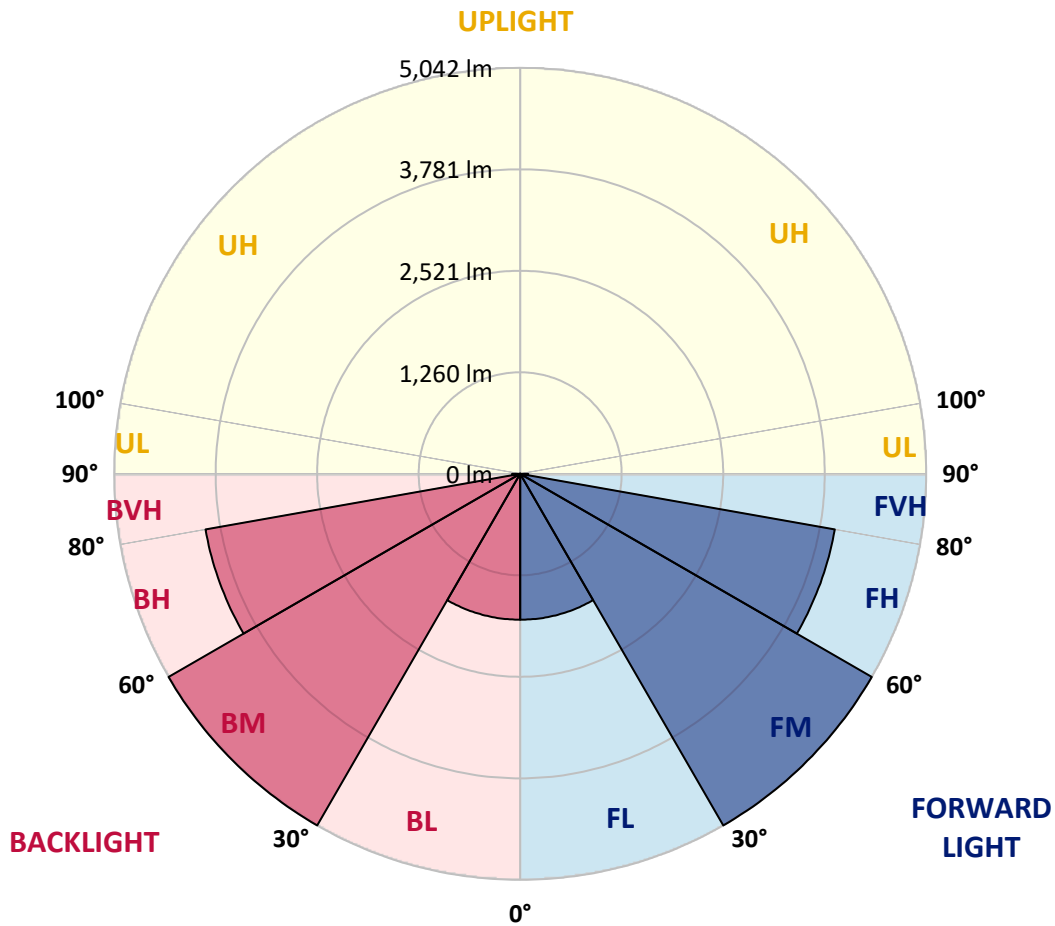
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1811.7	8.3			
FM (30°-60°)	5041.6	23.1			
FH (60°-80°)	3967.6	18.2			G2/5000
FVH (80°-90°)	100.2	0.5			G2/225
BL (0°-30°)	1811.7	8.3	B3/2500		
BM (30°-60°)	5041.6	23.1	B4/8500		
BH (60°-80°)	3967.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	100.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4081.4	4081.4	4081.4	4081.4	4081.4	4081.4	4081.4	4081.4	4081.4	4081.4
2.5°	4084.9	4089.5	4089.5	4086.1	4094.2	4087.2	4087.2	4083.7	4087.2	4083.7
5°	4105.8	4111.6	4113.9	4112.8	4123.2	4117.4	4117.4	4112.8	4113.9	4110.4
7.5°	4145.3	4153.4	4158.0	4163.8	4178.9	4172.0	4167.3	4153.4	4147.6	4138.3
10°	4158.0	4167.3	4182.4	4212.6	4247.4	4248.6	4234.6	4199.8	4173.1	4152.2
12.5°	4118.6	4131.3	4162.7	4224.2	4302.0	4333.3	4311.2	4253.2	4201.0	4163.8
15°	4068.6	4082.6	4130.2	4223.0	4337.9	4411.1	4408.8	4332.1	4248.6	4190.5
17.5°	3990.9	4004.8	4073.3	4203.3	4365.8	4486.5	4519.0	4440.1	4322.9	4245.1
20°	3850.4	3863.2	3958.4	4140.6	4375.1	4566.6	4651.4	4581.7	4435.5	4329.8
22.5°	3668.2	3687.9	3799.3	4032.7	4353.0	4650.2	4802.3	4754.7	4566.6	4420.4
25°	3473.1	3494.0	3624.0	3900.3	4296.2	4710.6	4981.0	4950.9	4715.2	4533.0
27.5°	3304.8	3326.9	3468.5	3769.2	4207.9	4733.8	5157.5	5172.6	4895.1	4657.2
30°	3172.5	3193.4	3344.3	3663.5	4094.2	4710.6	5311.9	5416.3	5078.5	4765.1
32.5°	3027.4	3054.1	3213.1	3534.7	3959.5	4654.8	5446.5	5679.8	5291.0	4881.2
35°	2844.0	2868.4	3035.5	3358.2	3783.1	4565.5	5559.1	5972.4	5595.1	5057.6
37.5°	2621.1	2644.3	2810.3	3137.7	3607.8	4440.1	5645.0	6302.0	5957.3	5311.9
40°	2397.1	2419.1	2574.7	2891.6	3397.7	4279.9	5675.2	6624.7	6372.8	5661.3
42.5°	2191.6	2211.3	2354.1	2649.0	3162.0	4075.6	5635.7	6905.7	6745.5	5905.0
45°	2002.4	2019.8	2146.3	2421.4	2917.1	3827.2	5517.3	7207.5	7188.9	6079.2
47.5°	1786.5	1803.9	1935.1	2200.9	2672.2	3535.8	5316.5	7504.6	7805.3	6473.8
50°	1523.0	1538.1	1672.7	1946.7	2418.0	3225.9	5037.9	7738.0	8583.0	7071.7
52.5°	1210.7	1227.0	1358.1	1632.1	2116.2	2892.7	4671.1	7890.0	9481.5	7944.6
55°	900.8	912.4	1026.2	1272.2	1742.4	2513.2	4211.4	7933.0	10500.7	9137.9
57.5°	653.5	660.5	733.6	917.0	1321.0	2038.4	3653.1	7821.5	11713.7	10667.8
60°	529.3	531.7	553.7	635.0	918.2	1502.1	2978.6	7438.5	13030.1	12640.1
62.5°	480.6	480.6	486.4	508.4	621.0	991.3	2162.6	6644.5	14441.6	15132.3
65°	446.9	446.9	449.2	459.7	489.9	631.5	1365.1	5351.3	15631.5	18051.8
67.5°	416.7	417.9	416.7	420.2	437.6	466.6	791.7	3696.0	16272.2	21076.8
70°	385.4	387.7	381.9	381.9	395.8	397.0	495.7	2026.8	15740.6	23612.0
72.5°	348.2	351.7	342.4	340.1	350.6	345.9	372.6	972.8	13514.2	24368.9
75°	315.7	320.4	299.5	293.7	293.7	290.2	303.0	499.1	8771.1	19878.9
77.5°	286.7	296.0	262.3	243.8	239.1	228.7	247.3	305.3	3836.5	9332.9
80°	236.8	249.6	215.9	193.9	185.7	174.1	195.0	213.6	1141.1	2167.2
82.5°	176.4	182.2	153.2	138.1	131.2	123.0	146.3	148.6	371.5	767.3
85°	112.6	114.9	94.0	81.3	77.8	74.3	92.9	81.3	141.6	564.2
87.5°	39.5	45.3	36.0	32.5	34.8	29.0	42.9	24.4	39.5	398.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4081.4
4083.7
4110.4
4138.3
4148.7
4158.0
4181.2
4232.3
4310.1
4393.7
4495.8
4617.7
4708.2
4809.2
4977.6
5205.1
5547.5
5758.8
5881.8
6246.3
6786.1
7592.9
8697.9
10114.1
11942.4
14197.9
16870.1
19801.1
23276.6
25251.1
21262.6
9139.1
2075.5
867.1
819.5
493.3
0.0

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