

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: P943083

Luminaire Tested: **GALN-SB7B-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943083
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-SB7B-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24114 lumens
Efficiency: N/A
Efficacy: 93.9 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

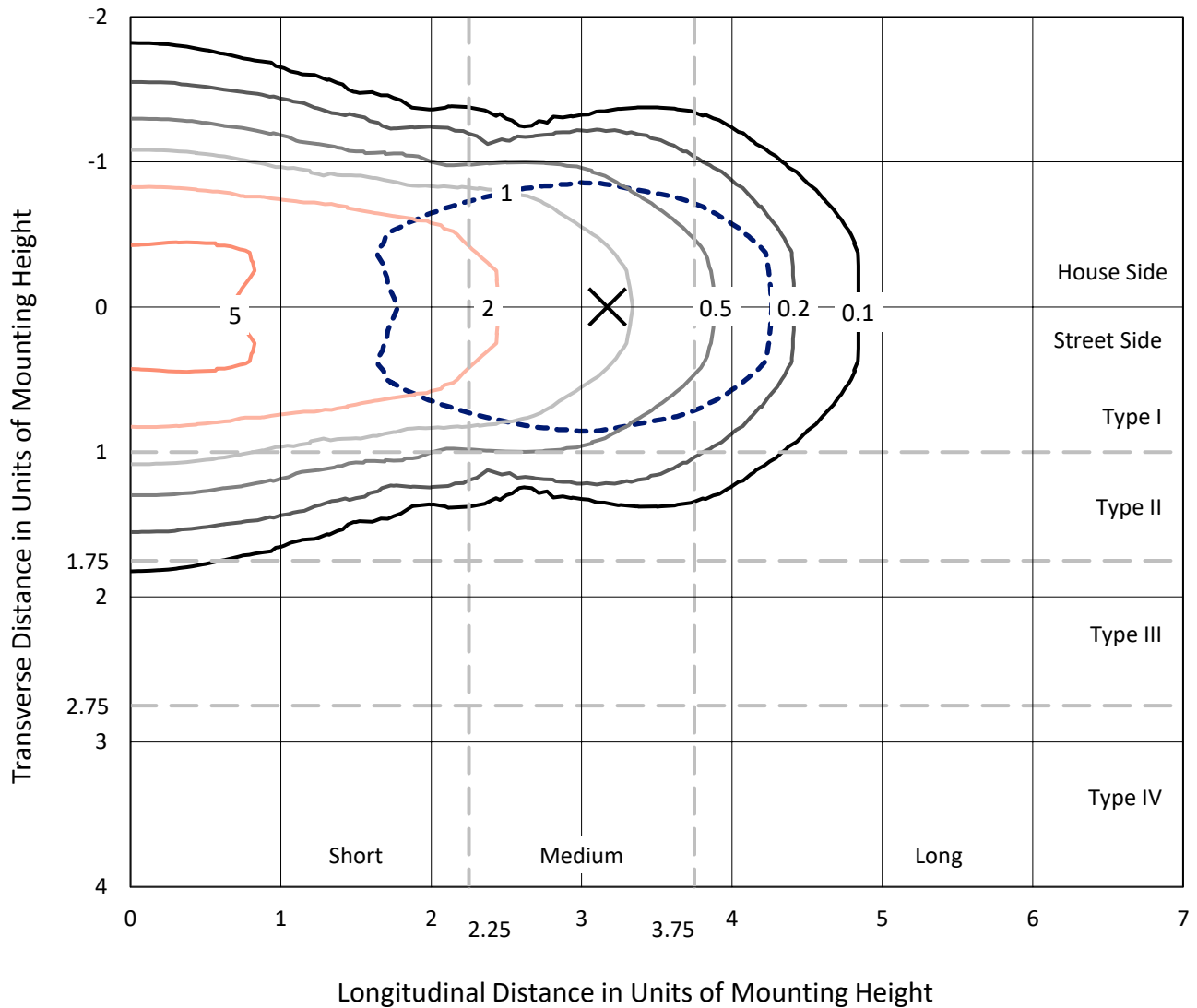
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943083
 CATALOG NUMBER: GALN-SB7B-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

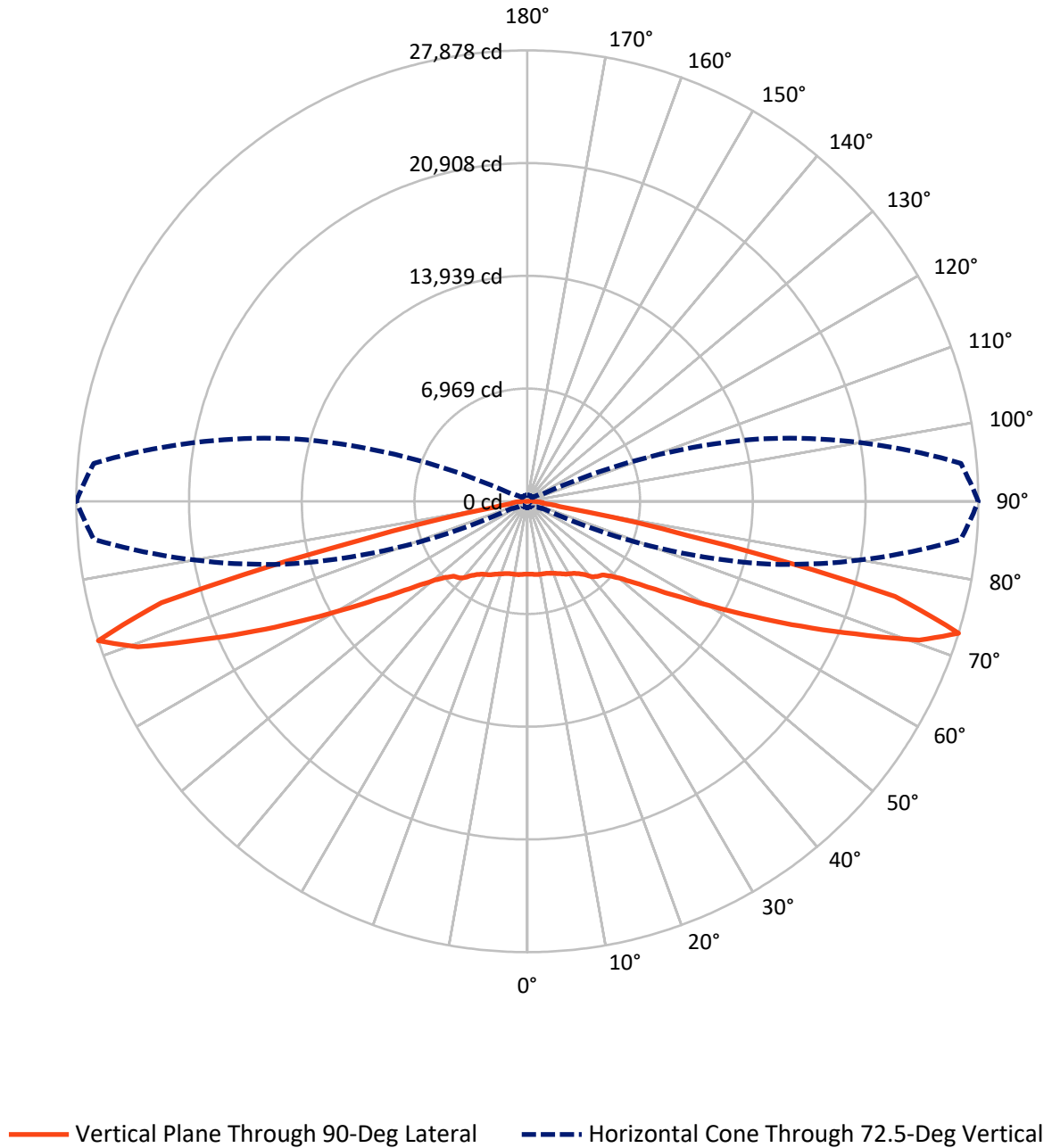
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type I - Short - N/A

REPORT NUMBER: P943083
CATALOG NUMBER: GALN-SB7B-927-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12057.0	0.0	12057.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12057.0	0.0	12057.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24114.0	0.0	24114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.9	1.8
10°-20°	1335.9	5.5
20°-30°	2227.5	9.2
30°-40°	3063.5	12.7
40°-50°	3741.3	15.5
50°-60°	4327.2	17.9
60°-70°	5159.5	21.4
70°-80°	3601.0	14.9
80°-90°	221.2	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°	24114.0	100.0
0°-180°	24114.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943083

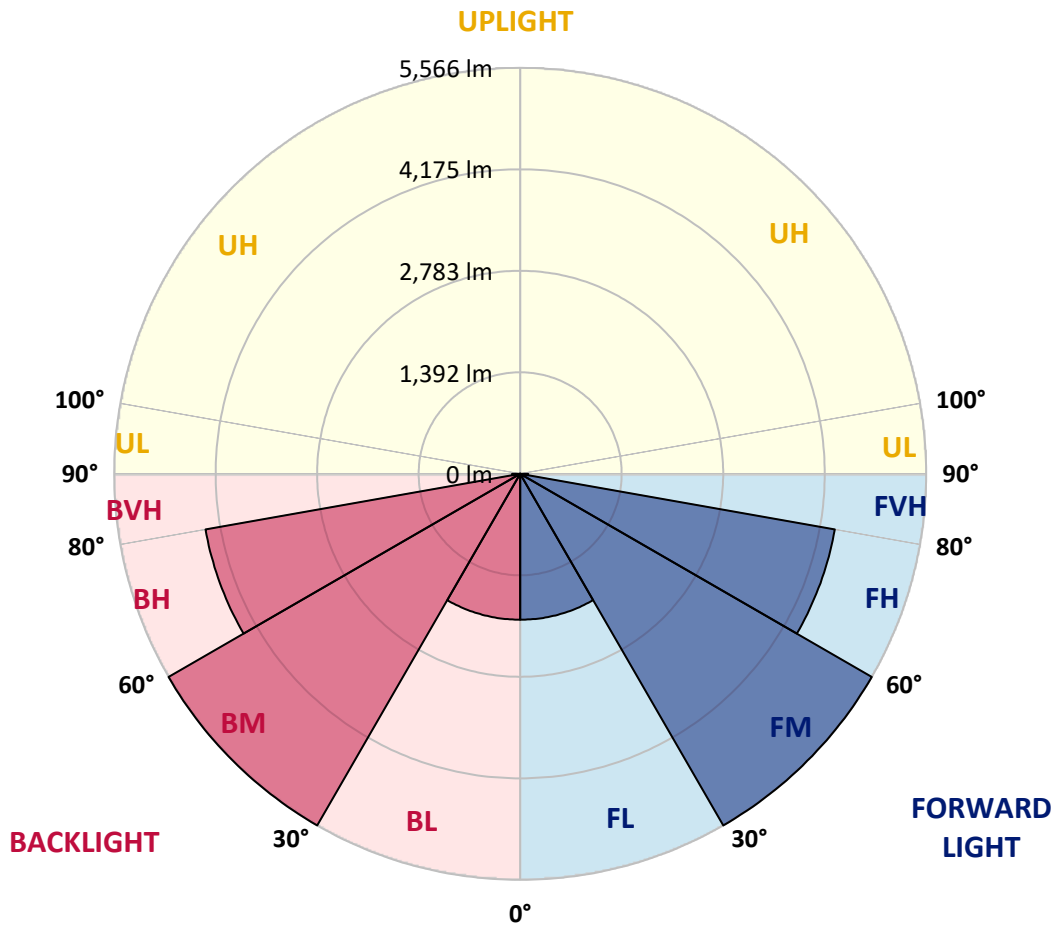
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2000.1	8.3			
FM (30°-60°)	5566.0	23.1			
FH (60°-80°)	4380.3	18.2			G2/5000
FVH (80°-90°)	110.6	0.5			G2/225
BL (0°-30°)	2000.1	8.3	B3/2500		
BM (30°-60°)	5566.0	23.1	B4/8500		
BH (60°-80°)	4380.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	110.6	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°	4506.0	4506.0	4506.0	4506.0	4506.0	4506.0	4506.0	4506.0	4506.0	4506.0
2.5°	4509.8	4514.9	4514.9	4511.1	4520.1	4512.4	4512.4	4508.5	4512.4	4508.5
5°	4532.9	4539.3	4541.8	4540.6	4552.1	4545.7	4545.7	4540.6	4541.8	4538.0
7.5°	4576.4	4585.4	4590.5	4596.9	4613.6	4605.9	4600.8	4585.4	4579.0	4568.8
10°	4590.5	4600.8	4617.5	4650.8	4689.2	4690.5	4675.1	4636.7	4607.2	4584.1
12.5°	4547.0	4561.1	4595.7	4663.6	4749.5	4784.1	4759.7	4695.6	4638.0	4596.9
15°	4491.9	4507.2	4559.8	4662.3	4789.2	4869.9	4867.4	4782.8	4690.5	4626.4
17.5°	4406.0	4421.4	4497.0	4640.5	4819.9	4953.2	4989.1	4902.0	4772.5	4686.7
20°	4250.9	4265.0	4370.1	4571.3	4830.2	5041.6	5135.2	5058.3	4896.8	4780.2
22.5°	4049.7	4071.5	4194.5	4452.1	4805.8	5133.9	5301.8	5249.3	5041.6	4880.2
25°	3834.4	3857.5	4001.0	4306.0	4743.0	5200.6	5499.2	5465.8	5205.7	5004.5
27.5°	3648.6	3672.9	3829.3	4161.2	4645.6	5226.2	5694.0	5710.6	5404.3	5141.6
30°	3502.5	3525.6	3692.2	4044.6	4520.1	5200.6	5864.4	5979.7	5606.8	5260.8
32.5°	3342.3	3371.8	3547.4	3902.3	4371.4	5139.0	6013.1	6270.7	5841.3	5388.9
35°	3139.8	3166.7	3351.3	3707.5	4176.6	5040.4	6137.4	6593.6	6177.1	5583.7
37.5°	2893.8	2919.4	3102.7	3464.0	3983.1	4902.0	6232.2	6957.6	6577.0	5864.4
40°	2646.4	2670.8	2842.5	3192.4	3751.1	4725.1	6265.5	7313.8	7035.7	6250.2
42.5°	2419.6	2441.4	2599.0	2924.5	3491.0	4499.5	6222.0	7624.0	7447.1	6519.3
45°	2210.7	2229.9	2369.6	2673.3	3220.6	4225.3	6091.2	7957.2	7936.7	6711.5
47.5°	1972.3	1991.5	2136.4	2429.8	2950.1	3903.6	5869.5	8285.3	8617.2	7147.2
50°	1681.4	1698.1	1846.7	2149.2	2669.5	3561.4	5562.0	8542.9	9475.8	7807.2
52.5°	1336.7	1354.6	1499.4	1801.9	2336.3	3193.6	5157.0	8710.7	10467.8	8771.0
55°	994.5	1007.3	1132.9	1404.6	1923.6	2774.6	4649.5	8758.2	11593.0	10088.4
57.5°	721.5	729.2	809.9	1012.4	1458.4	2250.4	4033.1	8635.1	12932.2	11777.5
60°	584.4	587.0	611.3	701.0	1013.7	1658.3	3288.5	8212.2	14385.5	13954.9
62.5°	530.6	530.6	537.0	561.3	685.6	1094.4	2387.5	7335.6	15943.9	16706.4
65°	493.4	493.4	496.0	507.5	540.8	697.2	1507.1	5908.0	17257.5	19929.5
67.5°	460.1	461.4	460.1	463.9	483.1	515.2	874.0	4080.5	17964.9	23269.2
70°	425.5	428.0	421.6	421.6	437.0	438.3	547.2	2237.6	17377.9	26068.2
72.5°	384.5	388.3	378.1	375.5	387.0	381.9	411.4	1073.9	14919.9	26903.7
75°	348.6	353.7	330.6	324.2	324.2	320.4	334.5	551.1	9683.4	21946.7
77.5°	316.5	326.8	289.6	269.1	264.0	252.5	273.0	337.0	4235.5	10303.7
80°	261.4	275.5	238.4	214.0	205.0	192.2	215.3	235.8	1259.8	2392.7
82.5°	194.8	201.2	169.2	152.5	144.8	135.8	161.5	164.0	410.1	847.1
85°	124.3	126.9	103.8	89.7	85.9	82.0	102.5	89.7	156.3	622.8
87.5°	43.6	50.0	39.7	35.9	38.4	32.0	47.4	26.9	43.6	439.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4506.0
4508.5
4538.0
4568.8
4580.3
4590.5
4616.2
4672.6
4758.4
4850.7
4963.5
5098.0
5198.0
5309.5
5495.3
5746.5
6124.6
6357.8
6493.7
6896.1
7492.0
8382.7
9602.7
11166.2
13184.7
15674.7
18624.9
21860.8
25697.8
27877.7
23474.3
10089.7
2291.4
957.3
904.8
544.7
0.0

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