

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: P943803

Luminaire Tested: **GALN-SB8B-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943803
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-SB8B-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31336 lumens
Efficiency: N/A
Efficacy: 107.0 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

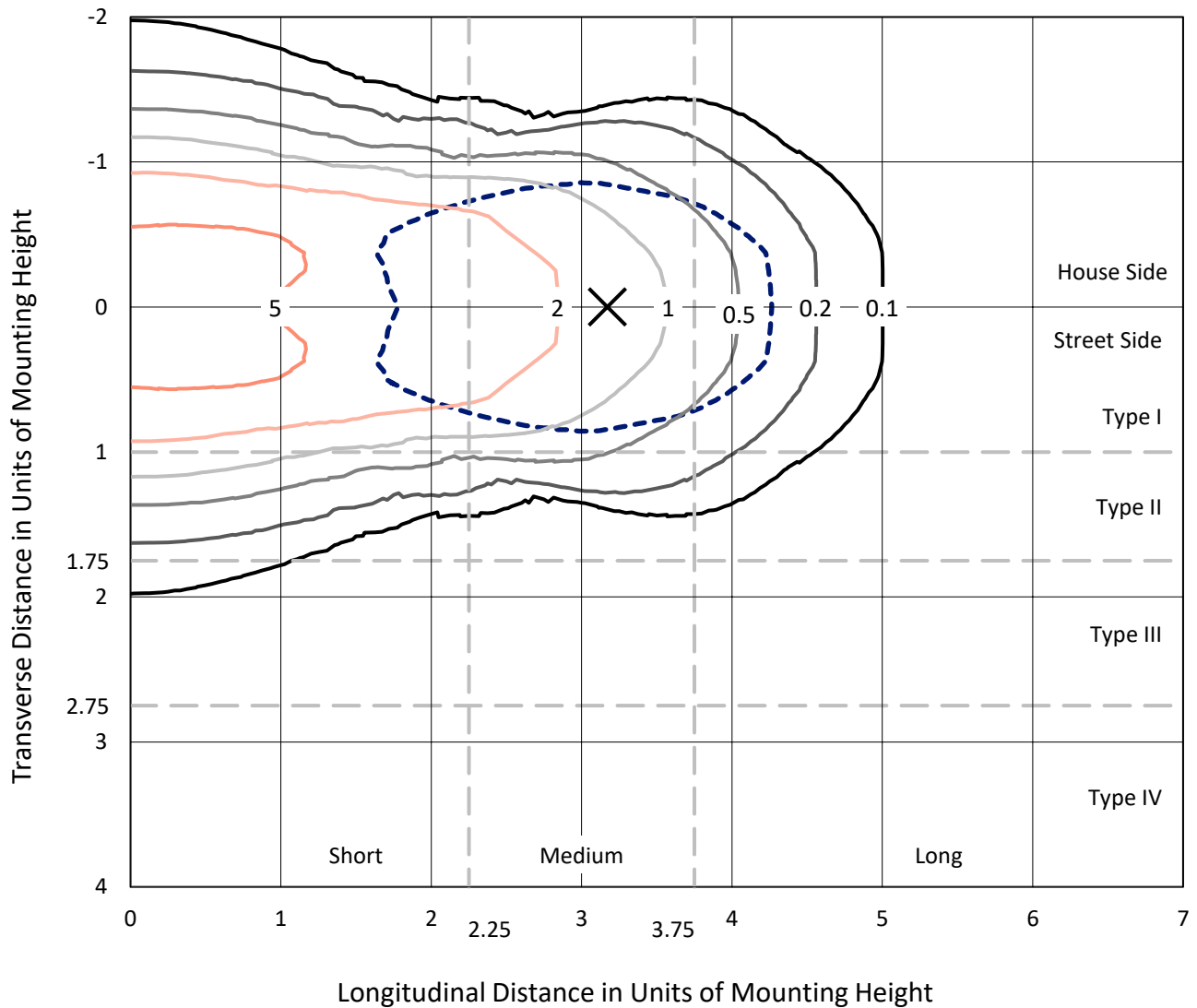
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

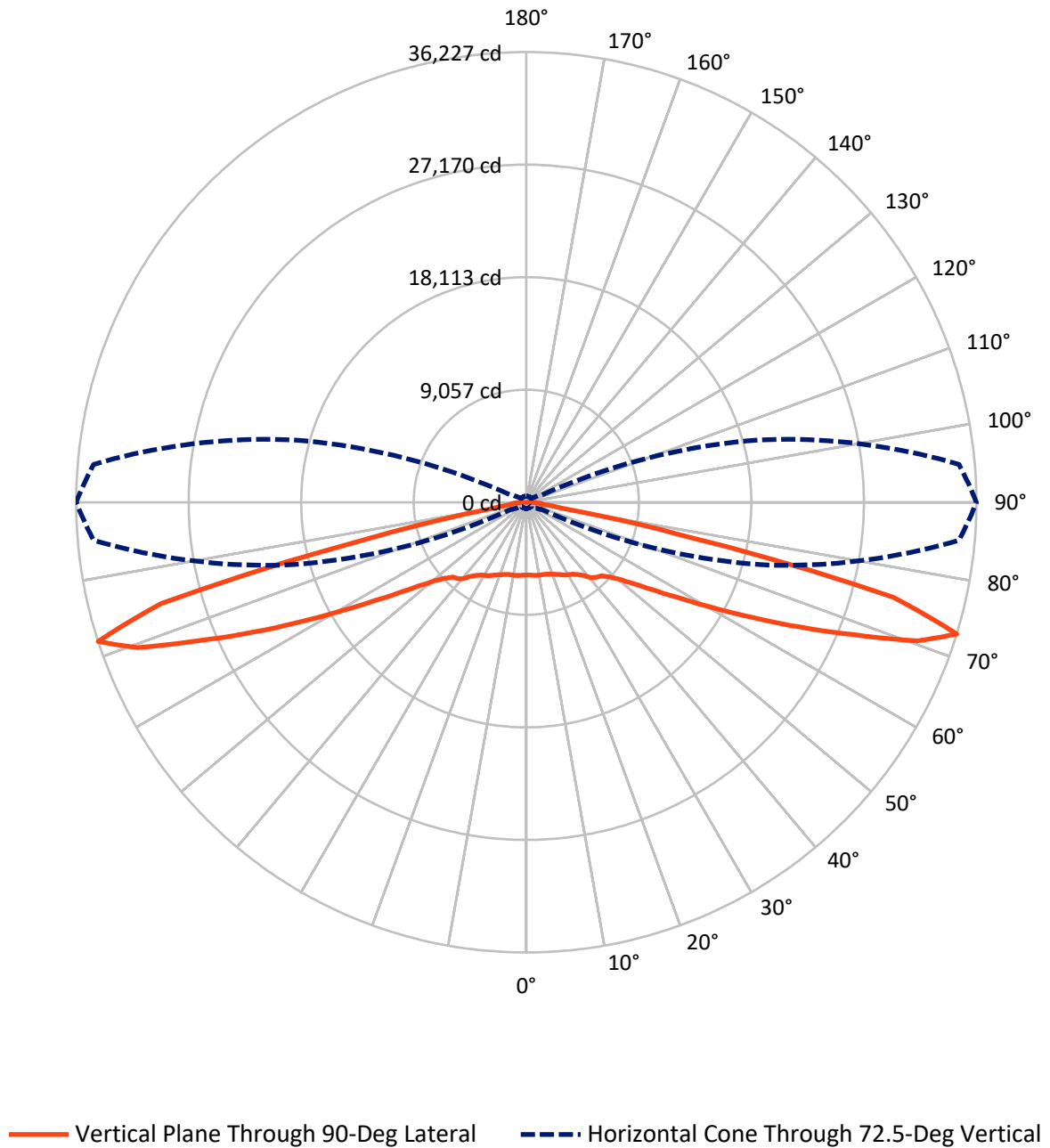
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	15668.0	0.0	15668.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15668.0	0.0	15668.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31336.0	0.0	31336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.8	1.8
10°-20°	1736.0	5.5
20°-30°	2894.6	9.2
30°-40°	3981.0	12.7
40°-50°	4861.8	15.5
50°-60°	5623.2	17.9
60°-70°	6704.8	21.4
70°-80°	4679.5	14.9
80°-90°	287.4	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°	31336.0	100.0
0°-180°	31336.0	100.0

Coefficient of Utilization



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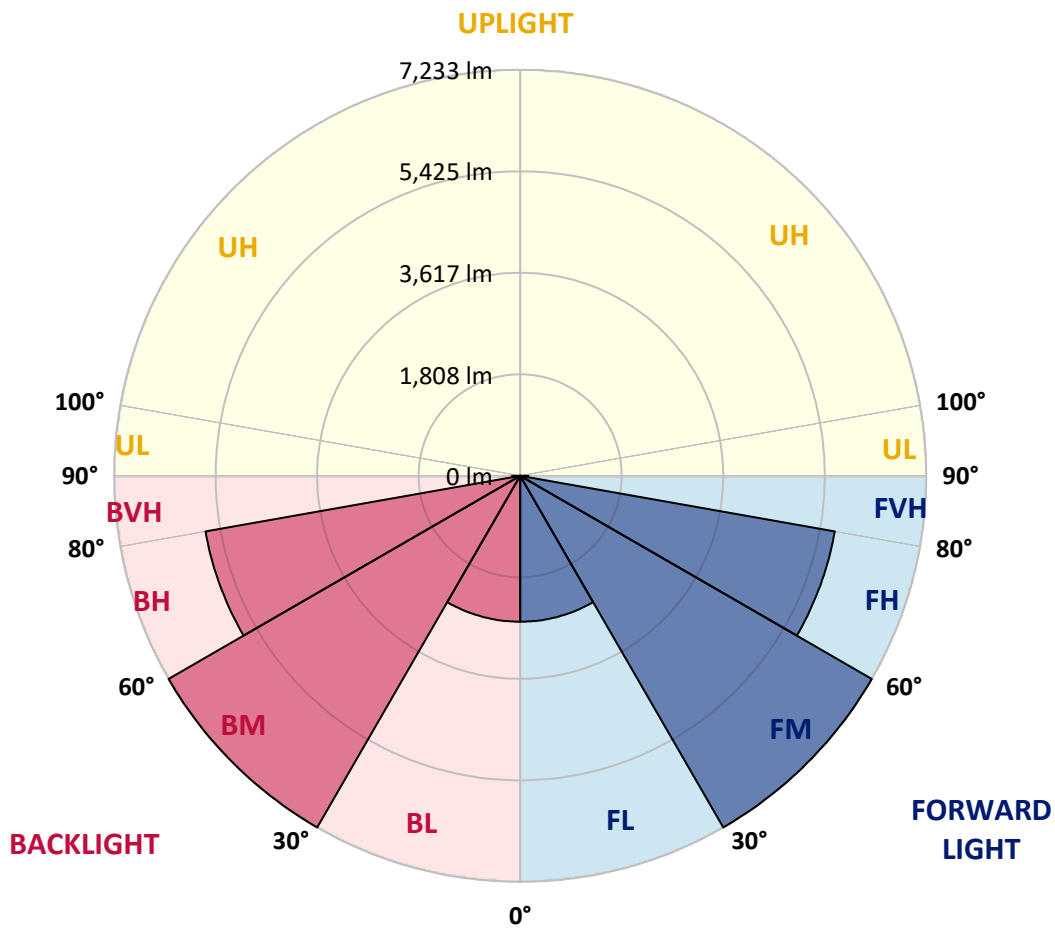
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2599.2	8.3			
FM (30°-60°)	7233.0	23.1			
FH (60°-80°)	5692.1	18.2			G3/7500
FVH (80°-90°)	143.7	0.5			G2/225
BL (0°-30°)	2599.2	8.3	B4/5000		
BM (30°-60°)	7233.0	23.1	B4/8500		
BH (60°-80°)	5692.1	18.2	B5		G5
BVH (80°-90°)	143.7	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°
0°	5855.5	5855.5	5855.5	5855.5	5855.5	5855.5	5855.5	5855.5	5855.5	5855.5
2.5°	5860.5	5867.1	5867.1	5862.1	5873.8	5863.8	5863.8	5858.8	5863.8	5858.8
5°	5890.4	5898.8	5902.1	5900.4	5915.4	5907.1	5907.1	5900.4	5902.1	5897.1
7.5°	5947.1	5958.7	5965.4	5973.7	5995.4	5985.4	5978.7	5958.7	5950.4	5937.1
10°	5965.4	5978.7	6000.4	6043.6	6093.6	6095.3	6075.3	6025.3	5987.0	5957.1
12.5°	5908.8	5927.1	5972.0	6060.3	6171.9	6216.8	6185.2	6101.9	6027.0	5973.7
15°	5837.1	5857.1	5925.4	6058.6	6223.5	6328.4	6325.1	6215.2	6095.3	6012.0
17.5°	5725.6	5745.5	5843.8	6030.3	6263.5	6436.7	6483.3	6370.1	6201.9	6090.3
20°	5524.1	5542.4	5678.9	5940.4	6276.8	6551.6	6673.2	6573.2	6363.4	6211.9
22.5°	5262.6	5290.9	5450.8	5785.5	6245.2	6671.5	6889.7	6821.4	6551.6	6341.8
25°	4982.8	5012.8	5199.3	5595.7	6163.6	6758.1	7146.1	7102.8	6764.8	6503.3
27.5°	4741.3	4773.0	4976.1	5407.5	6037.0	6791.4	7399.3	7420.9	7022.9	6681.5
30°	4551.5	4581.4	4797.9	5255.9	5873.8	6758.1	7620.8	7770.6	7286.0	6836.4
32.5°	4343.3	4381.6	4609.8	5071.1	5680.6	6678.2	7813.9	8148.7	7590.8	7002.9
35°	4080.2	4115.1	4355.0	4817.9	5427.5	6549.9	7975.5	8568.4	8027.1	7256.0
37.5°	3760.4	3793.7	4031.9	4501.5	5176.0	6370.1	8098.7	9041.3	8546.7	7620.8
40°	3439.0	3470.6	3693.8	4148.5	4874.6	6140.2	8142.0	9504.3	9142.9	8122.0
42.5°	3144.2	3172.5	3377.4	3800.4	4536.5	5847.1	8085.4	9907.3	9677.5	8471.8
45°	2872.8	2897.8	3079.3	3474.0	4185.1	5490.7	7915.5	10340.3	10313.7	8721.6
47.5°	2563.0	2588.0	2776.2	3157.6	3833.7	5072.7	7627.4	10766.7	11198.0	9287.8
50°	2185.0	2206.6	2399.8	2792.8	3469.0	4628.1	7227.7	11101.4	12313.8	10145.5
52.5°	1737.0	1760.3	1948.5	2341.5	3036.0	4150.1	6701.5	11319.6	13602.8	11397.8
55°	1292.3	1309.0	1472.2	1825.3	2499.7	3605.5	6042.0	11381.2	15065.0	13109.8
57.5°	937.6	947.6	1052.5	1315.6	1895.2	2924.4	5240.9	11221.3	16805.3	15304.8
60°	759.4	762.7	794.4	911.0	1317.3	2155.0	4273.4	10671.7	18693.8	18134.3
62.5°	689.5	689.5	697.8	729.4	891.0	1422.2	3102.6	9532.6	20718.9	21709.8
65°	641.2	641.2	644.5	659.5	702.8	906.0	1958.5	7677.4	22426.0	25898.3
67.5°	597.9	599.5	597.9	602.9	627.8	669.5	1135.8	5302.6	23345.2	30238.2
70°	552.9	556.2	547.9	547.9	567.9	569.6	711.1	2907.7	22582.5	33875.4
72.5°	499.6	504.6	491.3	488.0	502.9	496.3	534.6	1395.6	19388.3	34961.2
75°	453.0	459.6	429.7	421.3	421.3	416.3	434.7	716.1	12583.6	28519.6
77.5°	411.3	424.7	376.4	349.7	343.1	328.1	354.7	438.0	5504.1	13389.6
80°	339.7	358.1	309.8	278.1	266.5	249.8	279.8	306.4	1637.1	3109.3
82.5°	253.1	261.5	219.8	198.2	188.2	176.5	209.8	213.2	532.9	1100.8
85°	161.5	164.9	134.9	116.6	111.6	106.6	133.2	116.6	203.2	809.4
87.5°	56.6	64.9	51.6	46.6	50.0	41.6	61.6	35.0	56.6	571.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5855.5
5858.8
5897.1
5937.1
5952.1
5965.4
5998.7
6072.0
6183.5
6303.4
6450.0
6624.9
6754.8
6899.7
7141.1
7467.5
7958.8
8261.9
8438.5
8961.4
9735.8
10893.2
12478.7
14510.4
17133.4
20369.2
24202.9
28408.0
33394.1
36226.9
30504.7
13111.5
2977.7
1244.0
1175.8
707.8
0.0

OF REPORT)