

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: P942443

Luminaire Tested: **GALN-SB6B-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942443
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-SB6B-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 23499 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

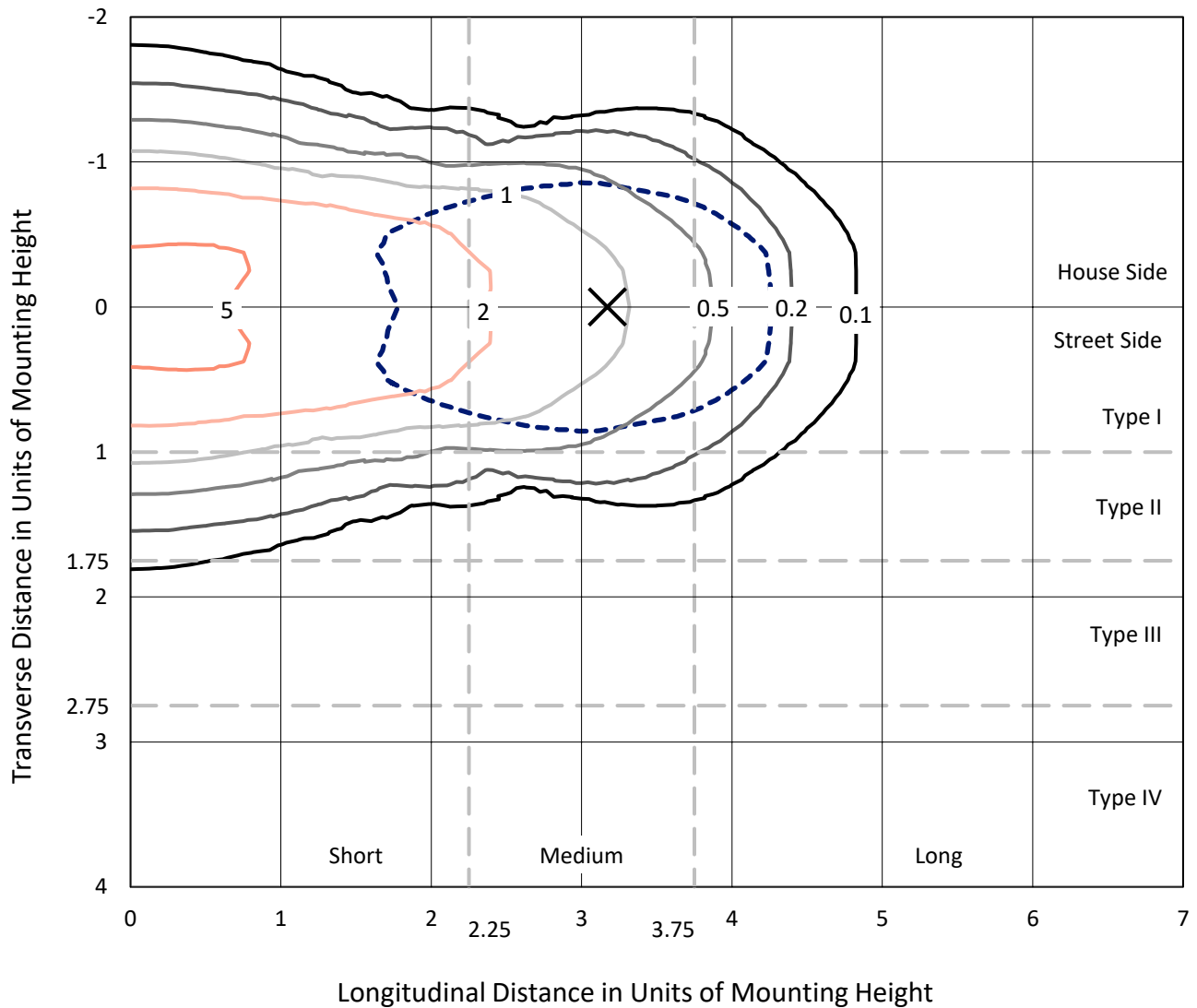
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

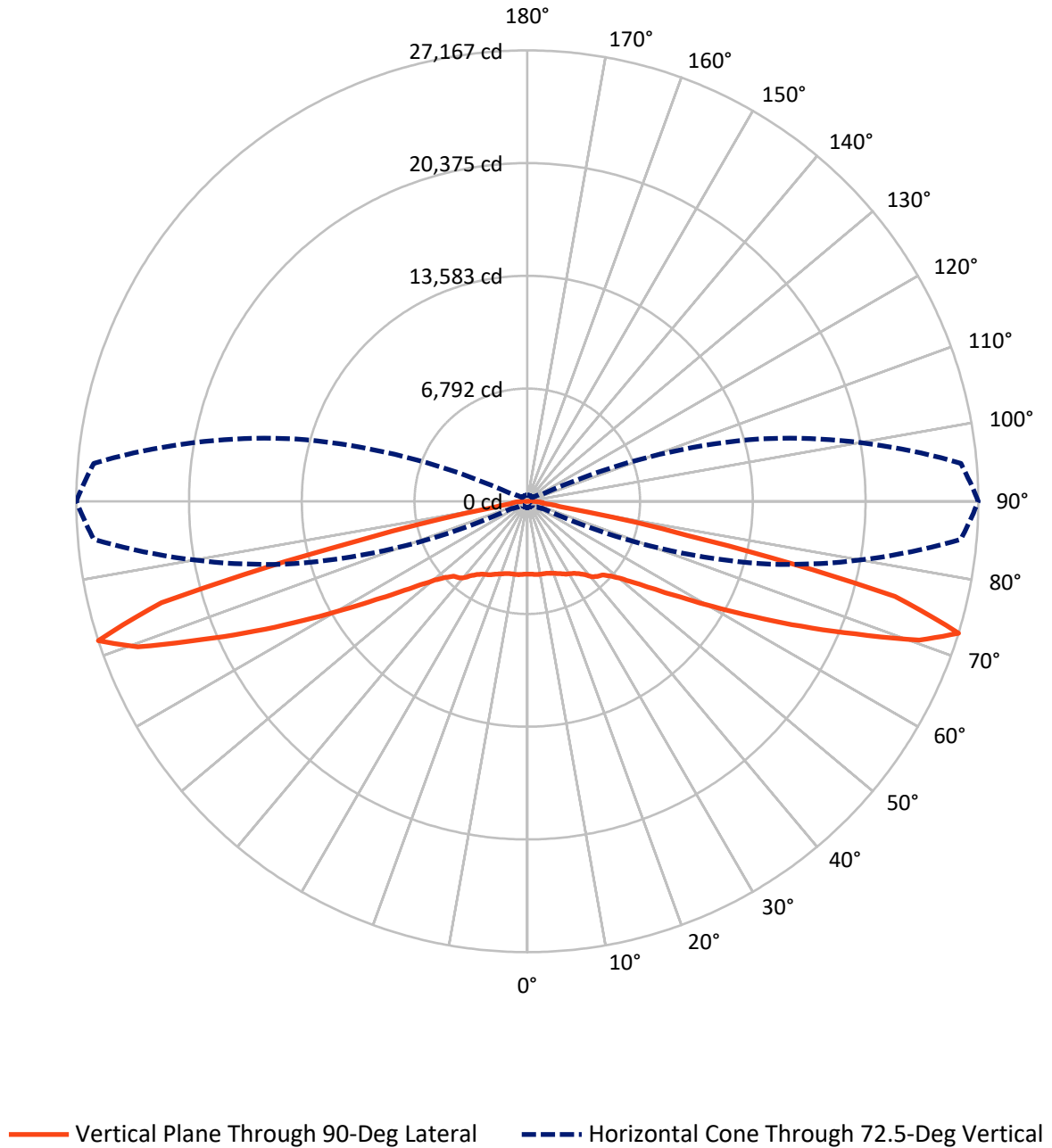
✕ Max cd
 - - - 1/2 Max cd



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	11749.5	0.0	11749.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11749.5	0.0	11749.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23499.0	0.0	23499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.8	1.8
10°-20°	1301.8	5.5
20°-30°	2170.7	9.2
30°-40°	2985.3	12.7
40°-50°	3645.9	15.5
50°-60°	4216.9	17.9
60°-70°	5027.9	21.4
70°-80°	3509.2	14.9
80°-90°	215.5	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°	23499.0	100.0
0°-180°	23499.0	100.0

Coefficient of Utilization



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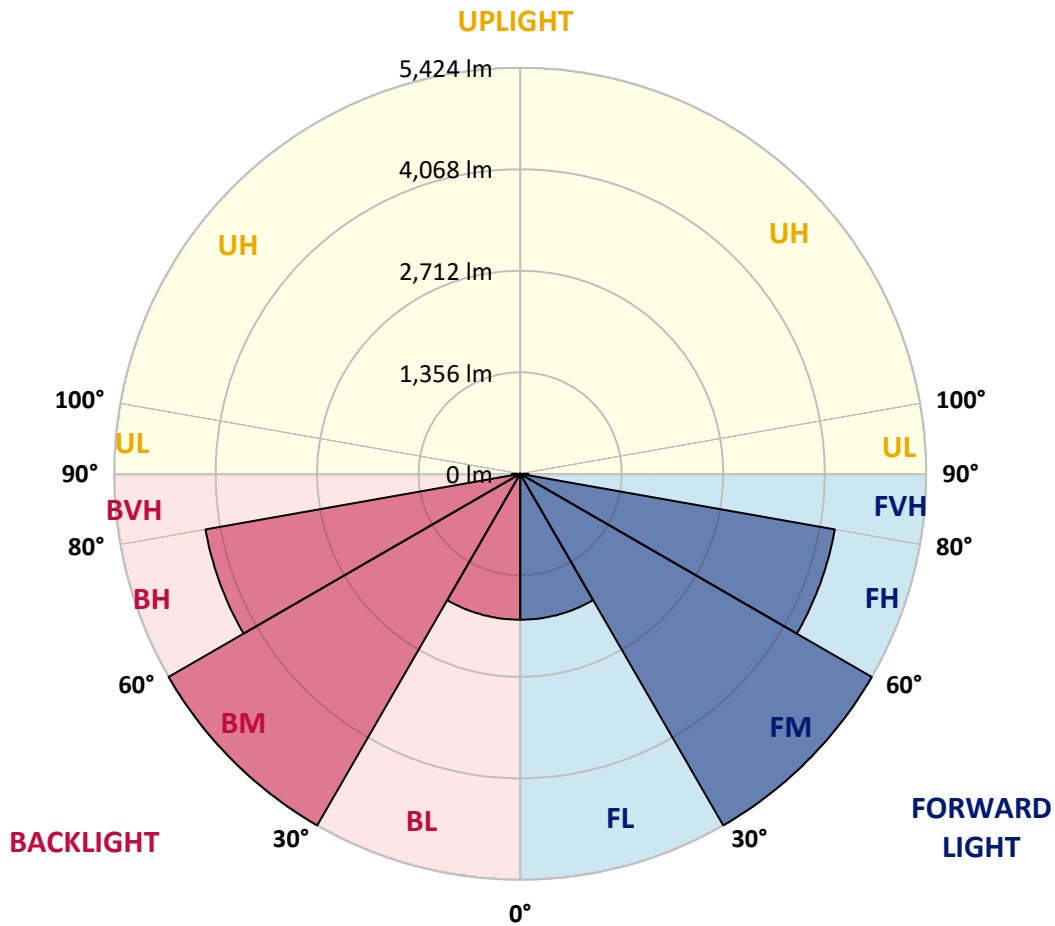
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1949.1	8.3			
FM (30°-60°)	5424.1	23.1			
FH (60°-80°)	4268.5	18.2			G2/5000
FVH (80°-90°)	107.8	0.5			G2/225
BL (0°-30°)	1949.1	8.3	B3/2500		
BM (30°-60°)	5424.1	23.1	B4/8500		
BH (60°-80°)	4268.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	107.8	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°	4391.0	4391.0	4391.0	4391.0	4391.0	4391.0	4391.0	4391.0	4391.0	4391.0
2.5°	4394.8	4399.8	4399.8	4396.0	4404.8	4397.3	4397.3	4393.5	4397.3	4393.5
5°	4417.3	4423.5	4426.0	4424.8	4436.0	4429.8	4429.8	4424.8	4426.0	4422.3
7.5°	4459.7	4468.5	4473.5	4479.7	4495.9	4488.4	4483.5	4468.5	4462.2	4452.2
10°	4473.5	4483.5	4499.7	4532.2	4569.6	4570.9	4555.9	4518.4	4489.7	4467.2
12.5°	4431.0	4444.7	4478.5	4544.6	4628.3	4662.0	4638.3	4575.9	4519.7	4479.7
15°	4377.3	4392.3	4443.5	4543.4	4667.0	4745.7	4743.2	4660.8	4570.9	4508.4
17.5°	4293.6	4308.6	4382.3	4522.2	4697.0	4826.9	4861.9	4776.9	4650.8	4567.1
20°	4142.5	4156.2	4258.7	4454.7	4707.0	4913.1	5004.2	4929.3	4771.9	4658.3
22.5°	3946.4	3967.7	4087.6	4338.6	4683.3	5003.0	5166.6	5115.4	4913.1	4755.7
25°	3736.6	3759.1	3899.0	4196.2	4622.1	5067.9	5358.9	5326.4	5072.9	4876.8
27.5°	3555.5	3579.3	3731.6	4055.1	4527.2	5092.9	5548.7	5565.0	5266.5	5010.5
30°	3413.2	3435.6	3598.0	3941.4	4404.8	5067.9	5714.8	5827.2	5463.8	5126.6
32.5°	3257.1	3285.8	3456.9	3802.8	4259.9	5008.0	5859.7	6110.7	5692.4	5251.5
35°	3059.7	3086.0	3265.8	3613.0	4070.1	4911.8	5980.9	6425.4	6019.6	5441.3
37.5°	2820.0	2844.9	3023.5	3375.7	3881.5	4776.9	6073.3	6780.1	6409.2	5714.8
40°	2578.9	2602.7	2770.0	3110.9	3655.5	4604.6	6105.7	7127.3	6856.3	6090.8
42.5°	2357.9	2379.1	2532.7	2849.9	3401.9	4384.8	6063.3	7429.5	7257.2	6353.0
45°	2154.3	2173.0	2309.2	2605.1	3138.4	4117.5	5935.9	7754.3	7734.3	6540.3
47.5°	1922.0	1940.7	2081.9	2367.9	2874.9	3804.1	5719.8	8074.0	8397.4	6965.0
50°	1638.5	1654.8	1799.6	2094.4	2601.4	3470.6	5420.1	8325.0	9234.2	7608.1
52.5°	1302.6	1320.1	1461.2	1755.9	2276.7	3112.2	5025.5	8488.6	10200.8	8547.3
55°	969.1	981.6	1104.0	1368.8	1874.6	2703.8	4530.9	8534.8	11297.3	9831.1
57.5°	703.1	710.6	789.3	986.6	1421.2	2193.0	3930.2	8414.9	12602.4	11477.1
60°	569.5	572.0	595.7	683.1	987.9	1616.0	3204.6	8002.8	14018.6	13599.0
62.5°	517.0	517.0	523.3	547.0	668.1	1066.5	2326.6	7148.5	15537.2	16280.3
65°	480.8	480.8	483.3	494.6	527.0	679.4	1468.7	5757.3	16817.3	19421.2
67.5°	448.3	449.6	448.3	452.1	470.8	502.0	851.7	3976.4	17506.7	22675.8
70°	414.6	417.1	410.9	410.9	425.9	427.1	533.3	2180.5	16934.7	25403.3
72.5°	374.7	378.4	368.4	365.9	377.2	372.2	400.9	1046.6	14539.4	26217.6
75°	339.7	344.7	322.2	316.0	316.0	312.2	326.0	537.0	9436.5	21386.9
77.5°	308.5	318.5	282.2	262.3	257.3	246.0	266.0	328.5	4127.5	10040.9
80°	254.8	268.5	232.3	208.6	199.8	187.3	209.8	229.8	1227.6	2331.6
82.5°	189.8	196.1	164.9	148.6	141.1	132.4	157.4	159.9	399.6	825.5
85°	121.1	123.6	101.2	87.4	83.7	79.9	99.9	87.4	152.4	607.0
87.5°	42.5	48.7	38.7	35.0	37.5	31.2	46.2	26.2	42.5	428.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4391.0
4393.5
4422.3
4452.2
4463.5
4473.5
4498.4
4553.4
4637.1
4727.0
4836.9
4968.0
5065.4
5174.1
5355.2
5599.9
5968.4
6195.7
6328.0
6720.2
7300.9
8168.9
9357.8
10881.4
12848.4
15275.0
18149.9
21303.3
25042.4
27166.7
22875.6
9832.4
2233.0
932.9
881.7
530.8
0.0

OF REPORT)