

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: P942783

Luminaire Tested: **GALN-SB6D-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942783
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-SB6D-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42467 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

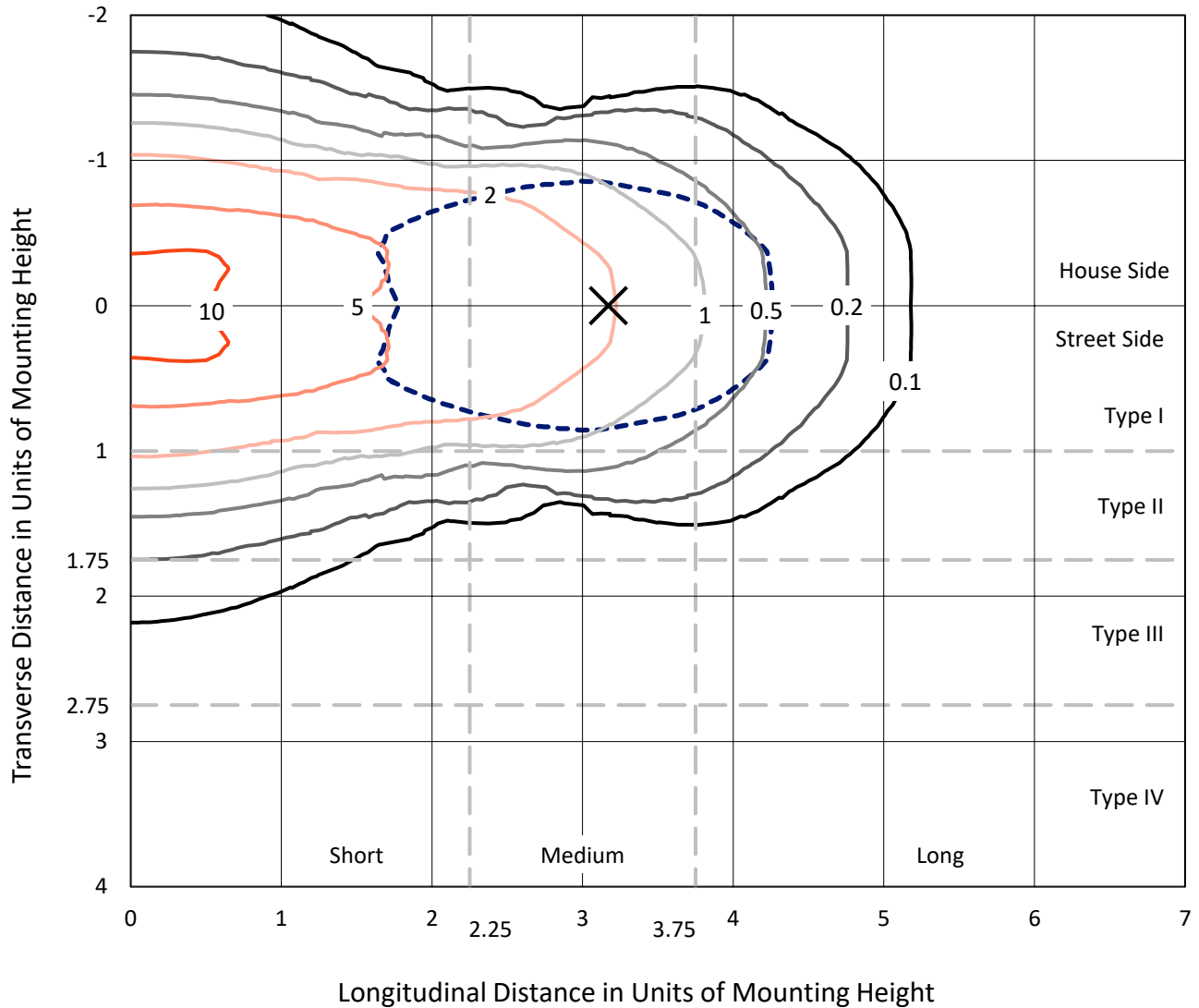
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

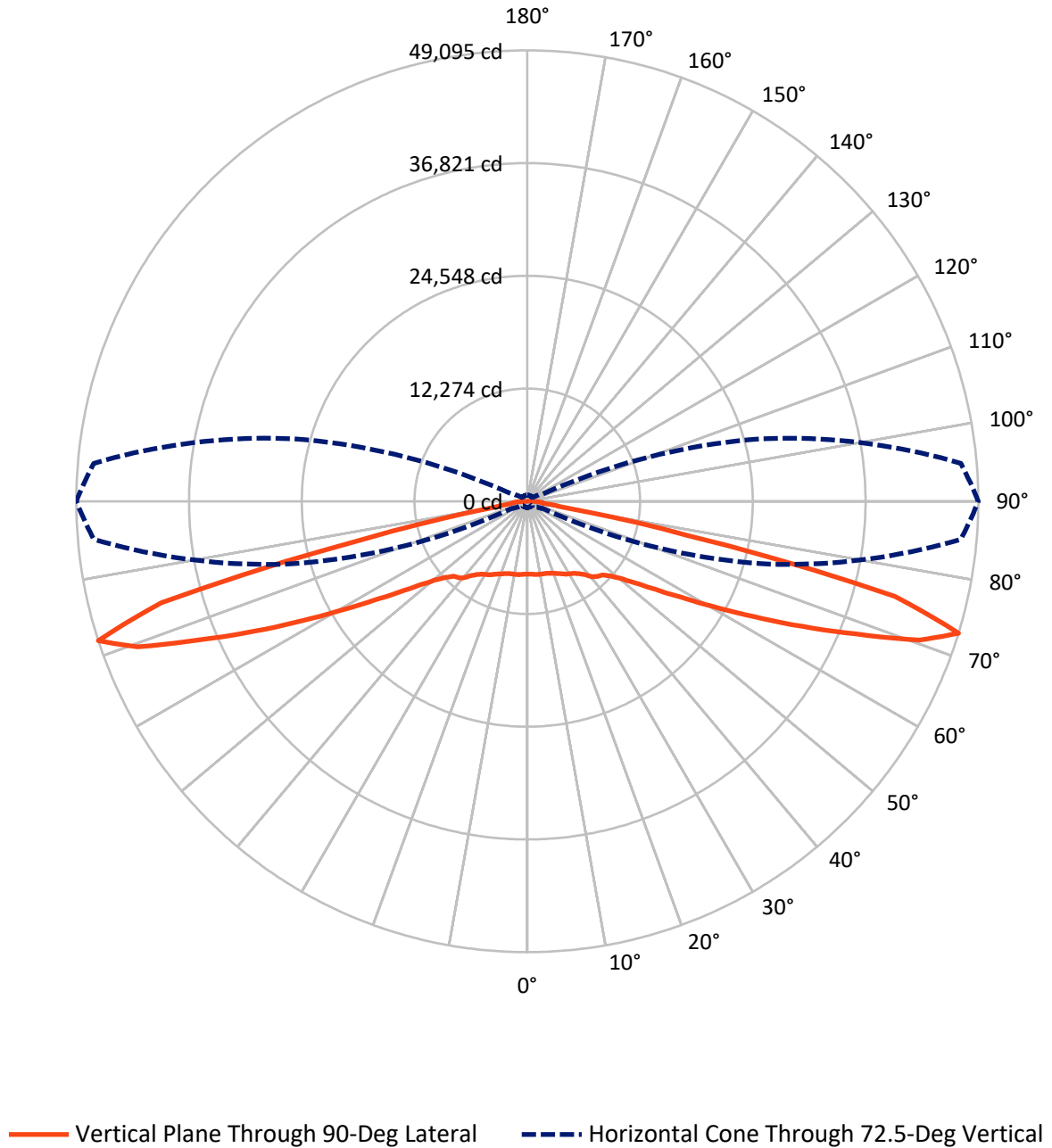
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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	21233.5	0.0	21233.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21233.5	0.0	21233.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42467.0	0.0	42467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.4	1.8
10°-20°	2352.6	5.5
20°-30°	3922.8	9.2
30°-40°	5395.0	12.7
40°-50°	6588.8	15.5
50°-60°	7620.7	17.9
60°-70°	9086.4	21.4
70°-80°	6341.7	14.9
80°-90°	389.5	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°	42467.0	100.0
0°-180°	42467.0	100.0

Coefficient of Utilization



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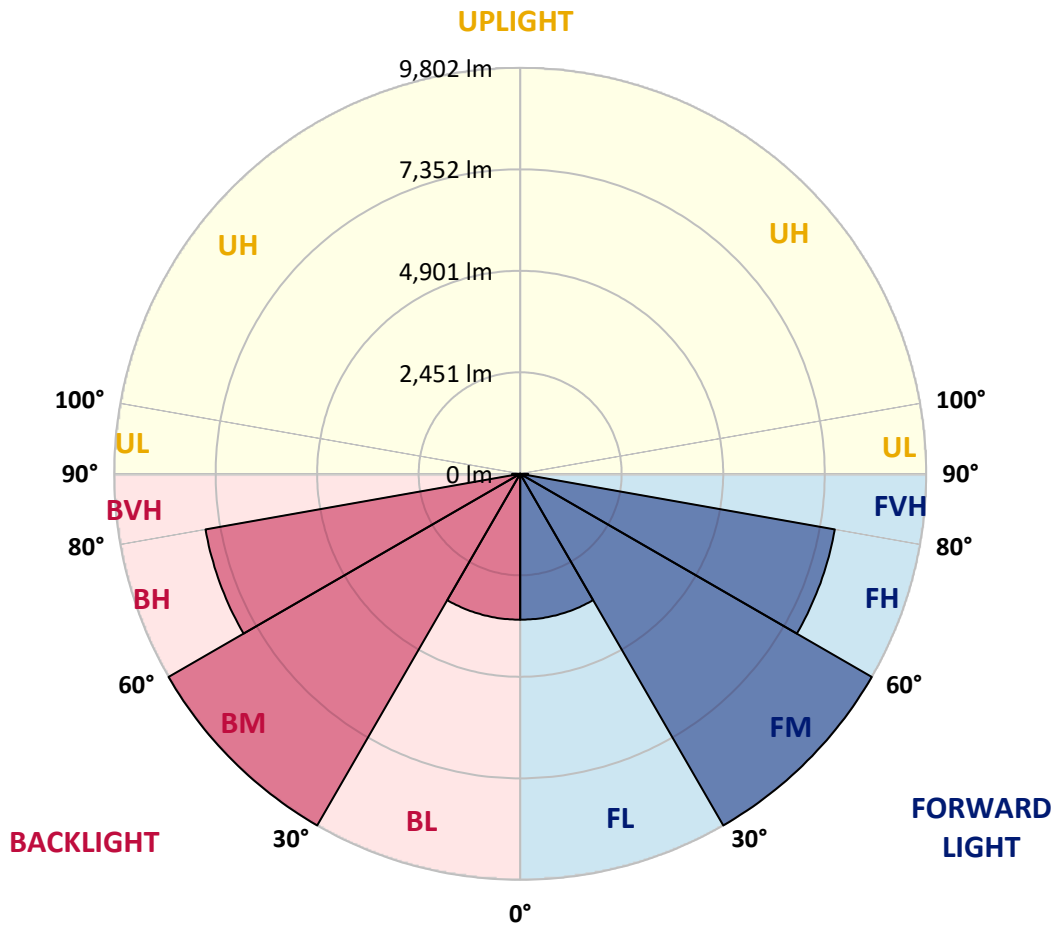
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3522.4	8.3			
FM (30°-60°)	9802.3	23.1			
FH (60°-80°)	7714.1	18.2			G4/12000
FVH (80°-90°)	194.8	0.5			G2/225
BL (0°-30°)	3522.4	8.3	B4/5000		
BM (30°-60°)	9802.3	23.1	B5		
BH (60°-80°)	7714.1	18.2	B5		G5
BVH (80°-90°)	194.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7935.4	7935.4	7935.4	7935.4	7935.4	7935.4	7935.4	7935.4	7935.4	7935.4
2.5°	7942.2	7951.2	7951.2	7944.4	7960.2	7946.7	7946.7	7939.9	7946.7	7939.9
5°	7982.8	7994.1	7998.6	7996.3	8016.7	8005.4	8005.4	7996.3	7998.6	7991.8
7.5°	8059.5	8075.3	8084.4	8095.7	8125.0	8111.4	8102.4	8075.3	8064.1	8046.0
10°	8084.4	8102.4	8131.8	8190.4	8258.1	8260.4	8233.3	8165.6	8113.7	8073.1
12.5°	8007.6	8032.5	8093.4	8213.0	8364.2	8425.2	8382.3	8269.4	8167.9	8095.7
15°	7910.6	7937.7	8030.2	8210.8	8434.2	8576.4	8571.9	8422.9	8260.4	8147.6
17.5°	7759.4	7786.4	7919.6	8172.4	8488.4	8723.1	8786.3	8632.8	8404.9	8253.6
20°	7486.3	7511.1	7696.2	8050.5	8506.4	8878.8	9043.6	8908.1	8623.8	8418.4
22.5°	7131.9	7170.3	7387.0	7840.6	8463.5	9041.3	9337.0	9244.4	8878.8	8594.4
25°	6752.8	6793.4	7046.2	7583.3	8352.9	9158.7	9684.5	9625.9	9167.7	8813.4
27.5°	6425.5	6468.4	6743.7	7328.3	8181.4	9203.8	10027.6	10056.9	9517.5	9054.9
30°	6168.2	6208.8	6502.2	7122.9	7960.2	9158.7	10327.8	10530.9	9874.1	9264.7
32.5°	5886.1	5938.0	6247.2	6872.4	7698.4	9050.3	10589.6	11043.2	10287.1	9490.4
35°	5529.5	5576.9	5901.9	6529.3	7355.4	8876.6	10808.5	11612.0	10878.5	9833.5
37.5°	5096.2	5141.3	5464.1	6100.5	7014.6	8632.8	10975.5	12252.9	11582.6	10327.8
40°	4660.6	4703.5	5005.9	5622.0	6606.1	8321.3	11034.2	12880.4	12390.6	11007.1
42.5°	4261.1	4299.5	4577.1	5150.3	6147.9	7924.1	10957.5	13426.5	13115.1	11481.1
45°	3893.2	3927.1	4173.1	4708.0	5671.7	7441.1	10727.2	14013.4	13977.2	11819.6
47.5°	3473.4	3507.3	3762.3	4279.2	5195.5	6874.6	10336.8	14591.1	15175.7	12587.0
50°	2961.1	2990.4	3252.3	3784.9	4701.2	6272.0	9795.1	15044.8	16687.8	13749.3
52.5°	2354.0	2385.6	2640.6	3173.3	4114.4	5624.3	9081.9	15340.4	18434.7	15446.5
55°	1751.4	1774.0	1995.1	2473.6	3387.7	4886.3	8188.2	15423.9	20416.3	17766.6
57.5°	1270.7	1284.2	1426.4	1783.0	2568.4	3963.2	7102.6	15207.3	22774.8	20741.3
60°	1029.2	1033.7	1076.6	1234.5	1785.2	2920.5	5791.3	14462.5	25334.2	24575.8
62.5°	934.4	934.4	945.7	988.5	1207.5	1927.4	4204.7	12918.7	28078.6	29421.5
65°	868.9	868.9	873.4	893.7	952.4	1227.8	2654.2	10404.5	30392.0	35097.7
67.5°	810.2	812.5	810.2	817.0	850.9	907.3	1539.2	7186.1	31637.8	40979.3
70°	749.3	753.8	742.5	742.5	769.6	771.9	963.7	3940.6	30604.1	45908.5
72.5°	677.1	683.9	665.8	661.3	681.6	672.6	724.5	1891.3	26275.3	47380.0
75°	613.9	622.9	582.3	571.0	571.0	564.2	589.1	970.5	17053.5	38650.1
77.5°	557.5	575.5	510.1	474.0	464.9	444.6	480.7	593.6	7459.2	18145.8
80°	460.4	485.2	419.8	376.9	361.1	338.5	379.2	415.3	2218.6	4213.7
82.5°	343.1	354.3	297.9	268.6	255.0	239.2	284.4	288.9	722.2	1491.8
85°	218.9	223.4	182.8	158.0	151.2	144.4	180.6	158.0	275.3	1096.9
87.5°	76.7	88.0	70.0	63.2	67.7	56.4	83.5	47.4	76.7	774.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7935.4
7939.9
7991.8
8046.0
8066.3
8084.4
8129.5
8228.8
8380.0
8542.5
8741.1
8978.1
9154.2
9350.5
9677.8
10120.1
10785.9
11196.7
11435.9
12144.6
13194.1
14762.7
16911.3
19664.7
23219.4
27604.7
32800.1
38498.9
45256.2
49095.3
41340.4
17768.9
4035.4
1685.9
1593.4
959.2
0.0

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