

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: P944143

Luminaire Tested: **GALN-SB8D-950-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944143  
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-SB8D-950-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 56627 lumens  
Efficiency: N/A  
Efficacy: 96.8 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

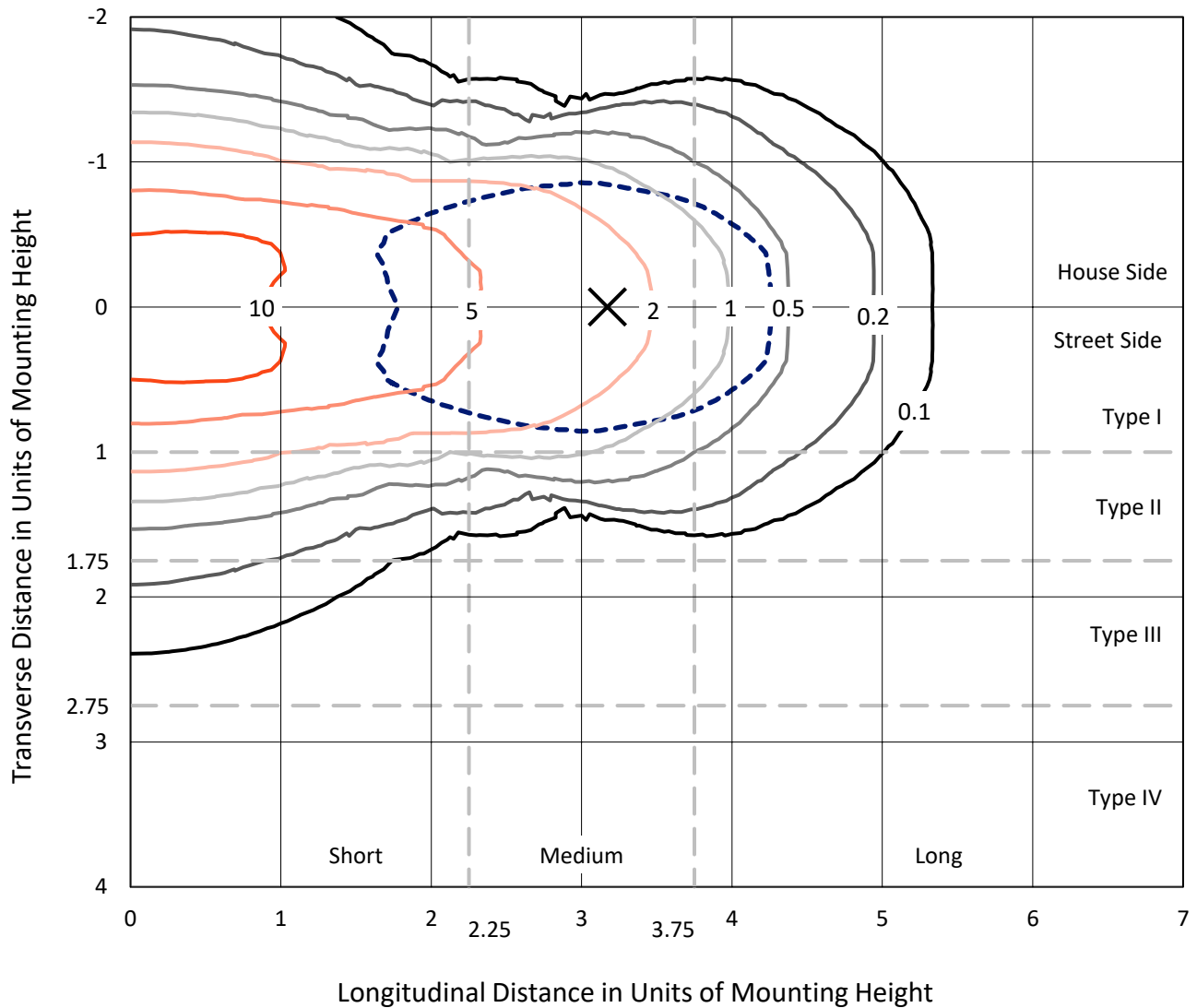
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

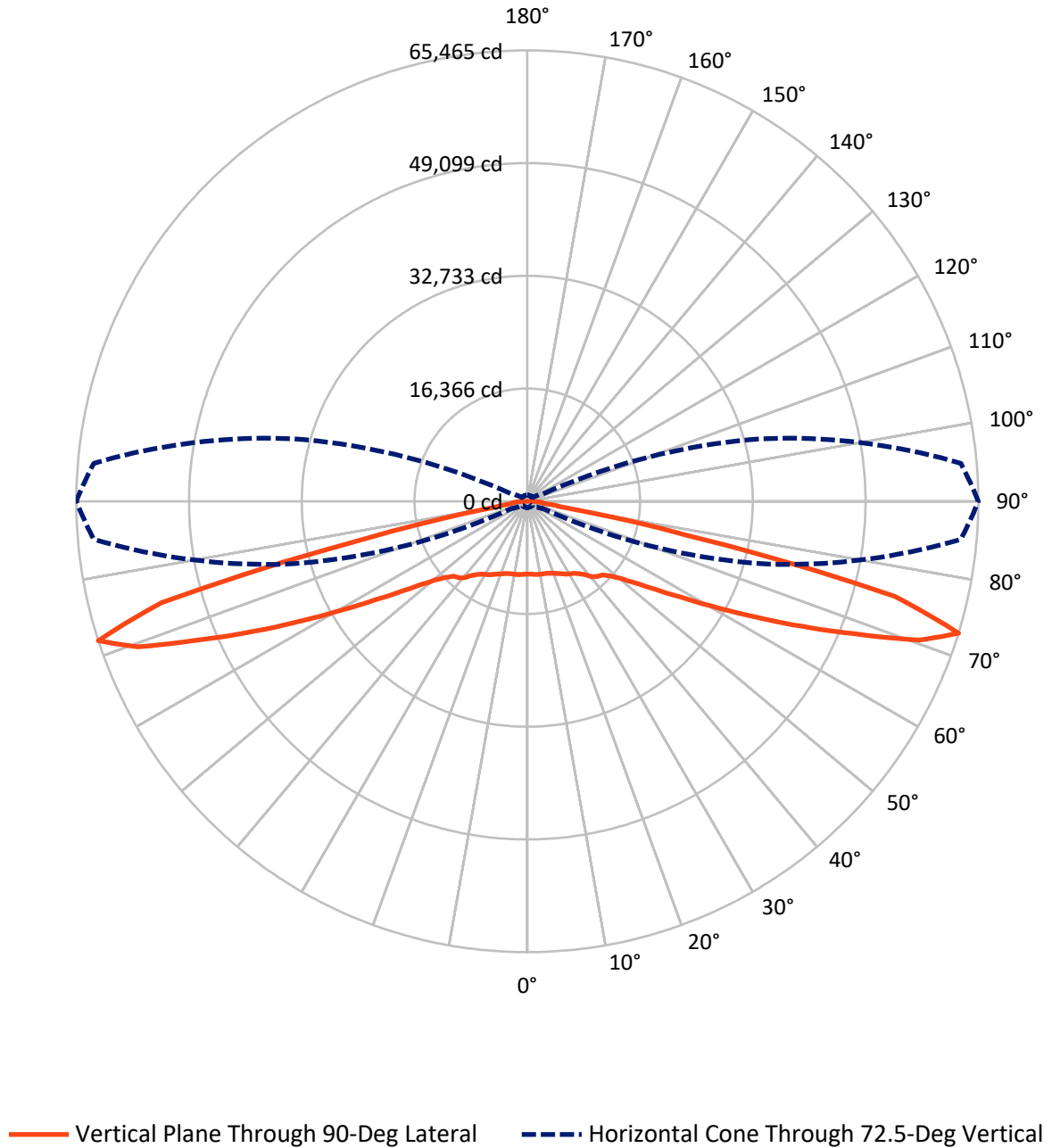
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28313.5	0.0	28313.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28313.5	0.0	28313.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56627.0	0.0	56627.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1026.0	1.8
10°-20°	3137.1	5.5
20°-30°	5230.8	9.2
30°-40°	7193.9	12.7
40°-50°	8785.8	15.5
50°-60°	10161.7	17.9
60°-70°	12116.1	21.4
70°-80°	8456.3	14.9
80°-90°	519.4	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°	56627.0	100.0
0°-180°	56627.0	100.0



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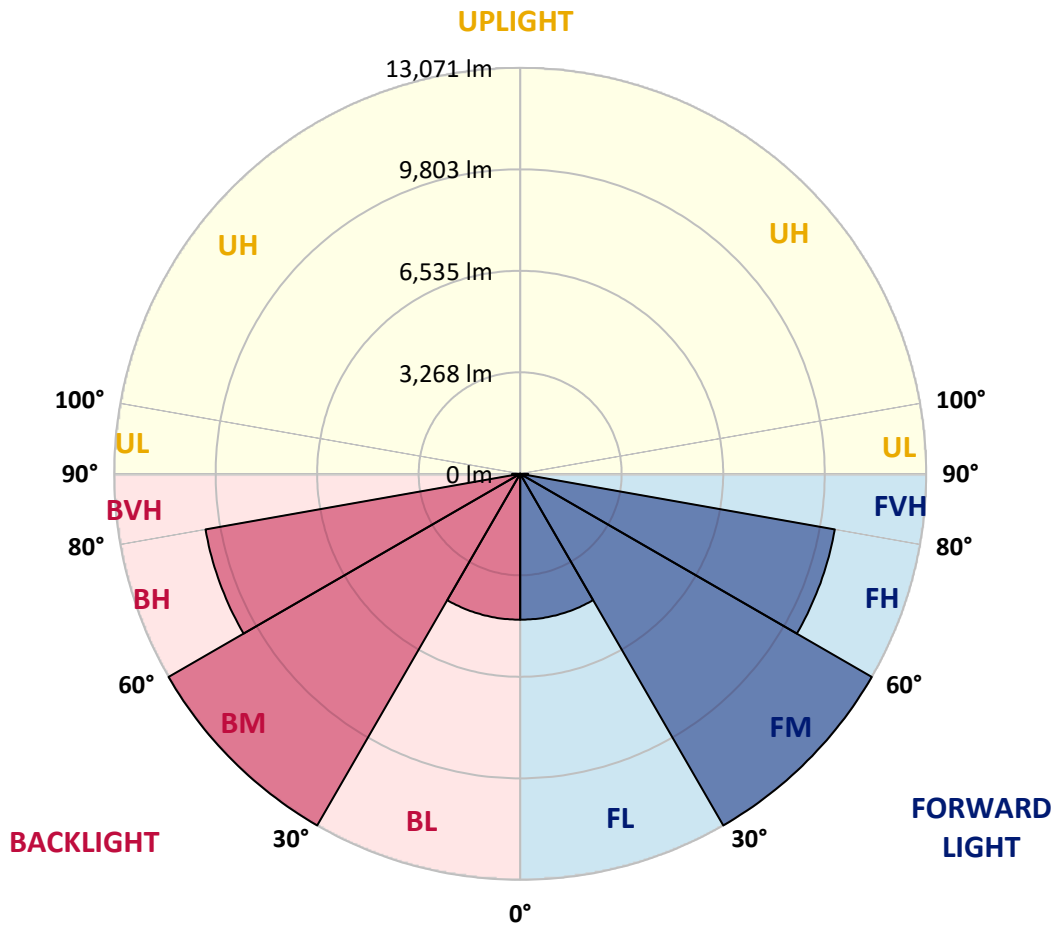
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4696.9	8.3			
FM (30°-60°)	13070.7	23.1			
FH (60°-80°)	10286.2	18.2			G4/12000
FVH (80°-90°)	259.7	0.5			G3/500
BL (0°-30°)	4696.9	8.3	B4/5000		
BM (30°-60°)	13070.7	23.1	B5		
BH (60°-80°)	10286.2	18.2	B5		G5
BVH (80°-90°)	259.7	0.5			G3/500
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°	10581.4	10581.4	10581.4	10581.4	10581.4	10581.4	10581.4	10581.4	10581.4	10581.4
2.5°	10590.4	10602.4	10602.4	10593.4	10614.5	10596.4	10596.4	10587.4	10596.4	10587.4
5°	10644.6	10659.6	10665.6	10662.6	10689.7	10674.6	10674.6	10662.6	10665.6	10656.6
7.5°	10746.9	10767.9	10780.0	10795.0	10834.1	10816.1	10804.1	10767.9	10752.9	10728.8
10°	10780.0	10804.1	10843.2	10921.4	11011.7	11014.7	10978.6	10888.3	10819.1	10764.9
12.5°	10677.7	10710.8	10792.0	10951.5	11153.2	11234.4	11177.2	11026.8	10891.3	10795.0
15°	10548.2	10584.4	10707.8	10948.5	11246.4	11436.0	11430.0	11231.4	11014.7	10864.2
17.5°	10346.6	10382.7	10560.3	10897.3	11318.7	11631.7	11715.9	11511.3	11207.3	11005.7
20°	9982.5	10015.6	10262.3	10734.8	11342.8	11839.3	12059.0	11878.4	11499.2	11225.4
22.5°	9510.0	9561.1	9850.0	10455.0	11285.6	12056.0	12450.2	12326.9	11839.3	11460.1
25°	9004.4	9058.6	9395.6	10111.9	11138.1	12212.5	12913.7	12835.5	12224.5	11752.0
27.5°	8568.0	8625.2	8992.3	9771.8	10909.4	12272.7	13371.1	13410.3	12691.0	12074.1
30°	8224.9	8279.1	8670.3	9497.9	10614.5	12212.5	13771.4	14042.3	13166.5	12353.9
32.5°	7848.7	7918.0	8330.3	9163.9	10265.4	12068.0	14120.5	14725.4	13717.2	12654.9
35°	7373.2	7436.4	7869.8	8706.4	9807.9	11836.3	14412.4	15483.8	14505.7	13112.3
37.5°	6795.4	6855.6	7286.0	8134.6	9353.5	11511.3	14635.1	16338.5	15444.7	13771.4
40°	6214.6	6271.8	6675.0	7496.6	8808.8	11096.0	14713.4	17175.1	16522.1	14677.3
42.5°	5681.9	5733.1	6103.2	6867.6	8197.8	10566.3	14611.1	17903.4	17488.1	15309.3
45°	5191.4	5236.5	5564.5	6277.8	7562.8	9922.3	14304.1	18685.9	18637.7	15760.7
47.5°	4631.6	4676.7	5016.8	5706.0	6927.8	9166.9	13783.4	19456.3	20235.8	16783.9
50°	3948.4	3987.6	4336.7	5046.9	6268.8	8363.4	13061.2	20061.2	22252.1	18333.8
52.5°	3138.9	3181.0	3521.1	4231.3	5486.3	7499.6	12110.2	20455.5	24581.5	20596.9
55°	2335.4	2365.5	2660.4	3298.4	4517.2	6515.5	10918.4	20566.8	27223.8	23690.7
57.5°	1694.3	1712.4	1902.0	2377.5	3424.8	5284.7	9470.9	20277.9	30368.7	27657.2
60°	1372.3	1378.3	1435.5	1646.2	2380.5	3894.3	7722.3	19284.8	33781.5	32770.3
62.5°	1245.9	1245.9	1261.0	1318.2	1610.1	2570.1	5606.7	17226.3	37441.0	39231.7
65°	1158.7	1158.7	1164.7	1191.8	1270.0	1637.2	3539.2	13873.7	40525.7	46800.5
67.5°	1080.4	1083.4	1080.4	1089.4	1134.6	1209.8	2052.5	9582.2	42187.0	54643.2
70°	999.1	1005.2	990.1	990.1	1026.2	1029.2	1285.1	5254.6	40808.6	61216.0
72.5°	902.8	911.9	887.8	881.8	908.9	896.8	966.0	2521.9	35036.4	63178.1
75°	818.6	830.6	776.4	761.4	761.4	752.4	785.5	1294.1	22739.7	51537.4
77.5°	743.3	767.4	680.1	632.0	620.0	592.9	641.0	791.5	9946.4	24196.3
80°	613.9	647.0	559.8	502.6	481.5	451.4	505.6	553.7	2958.3	5618.7
82.5°	457.4	472.5	397.3	358.1	340.1	319.0	379.2	385.2	963.0	1989.3
85°	291.9	297.9	243.8	210.7	201.6	192.6	240.8	210.7	367.2	1462.6
87.5°	102.3	117.4	93.3	84.3	90.3	75.2	111.4	63.2	102.3	1032.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10581.4  
10587.4  
10656.6  
10728.8  
10755.9  
10780.0  
10840.2  
10972.6  
11174.2  
11390.9  
11655.7  
11971.7  
12206.5  
12468.3  
12904.7  
13494.5  
14382.3  
14930.1  
15249.1  
16194.0  
17593.5  
19685.0  
22550.1  
26221.7  
30961.6  
36809.0  
43736.9  
51335.8  
60346.2  
65465.3  
55124.8  
23693.7  
5381.0  
2248.1  
2124.7  
1279.0  
0.0

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