

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: P944443

Luminaire Tested: **GALN-SB9B-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944443  
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-SB9B-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 30885 lumens  
Efficiency: N/A  
Efficacy: 93.7 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

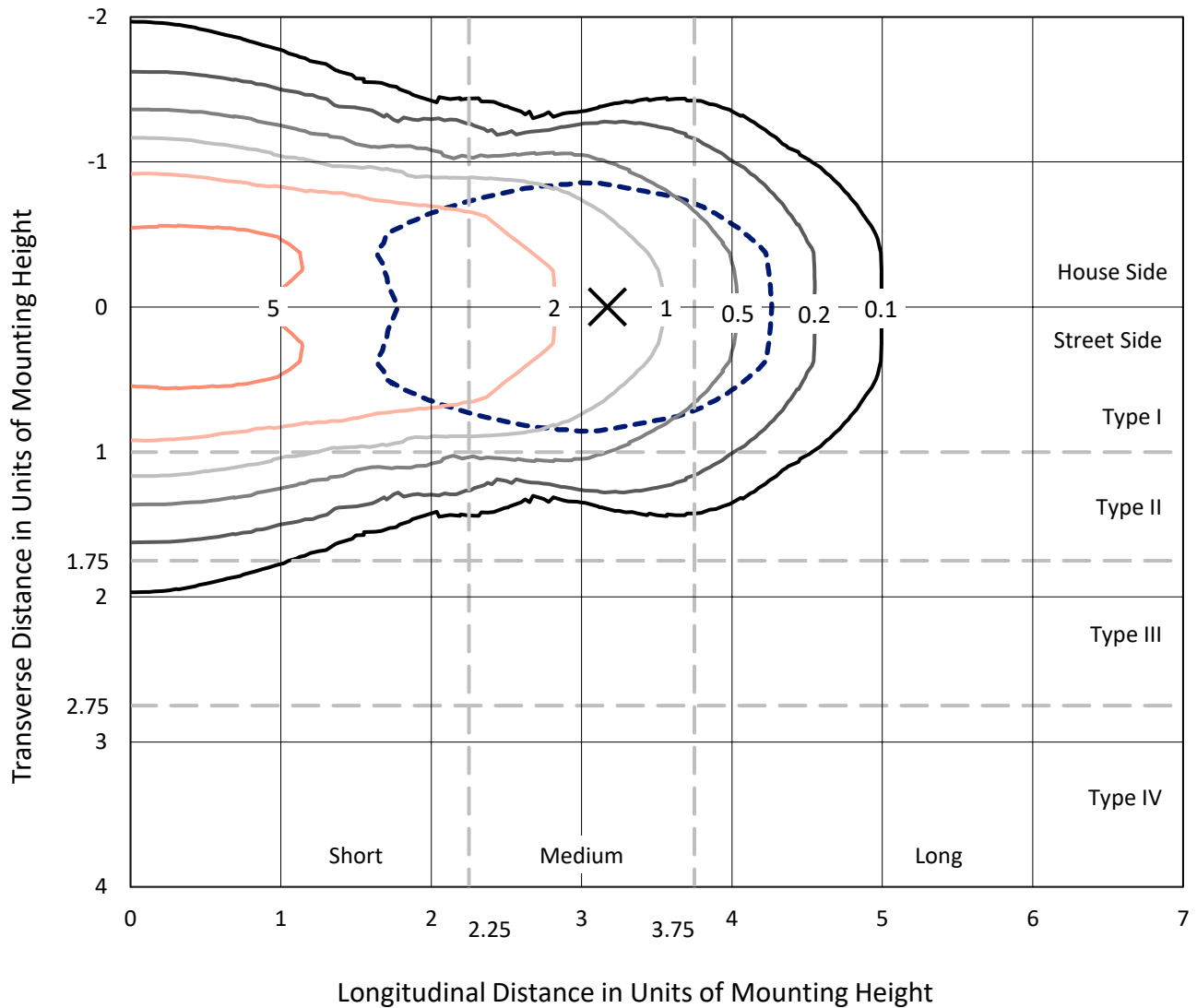
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

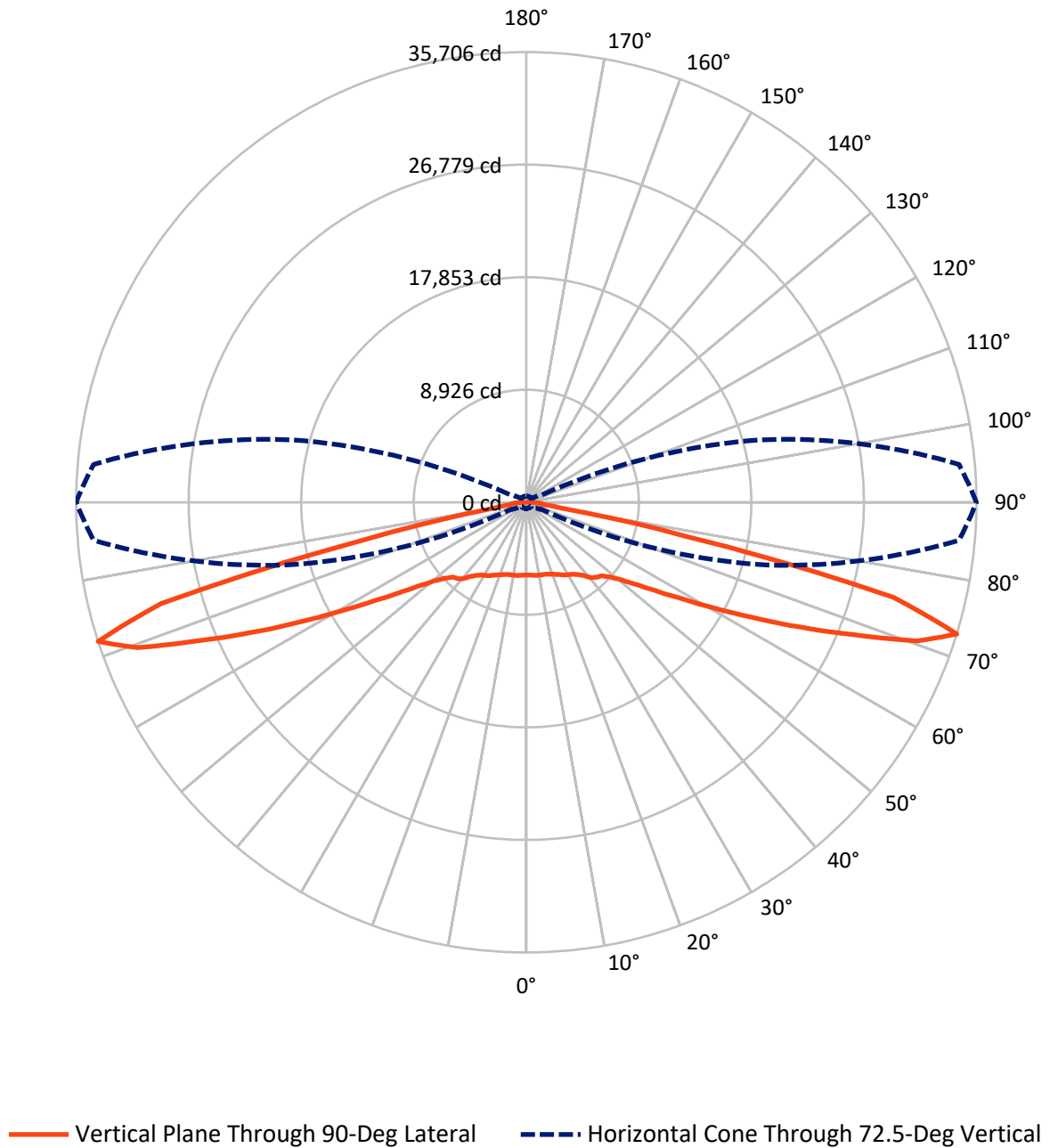
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	15442.5	0.0	15442.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15442.5	0.0	15442.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30885.0	0.0	30885.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	559.6	1.8
10°-20°	1711.0	5.5
20°-30°	2852.9	9.2
30°-40°	3923.7	12.7
40°-50°	4791.9	15.5
50°-60°	5542.3	17.9
60°-70°	6608.3	21.4
70°-80°	4612.1	14.9
80°-90°	283.3	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°	30885.0	100.0
0°-180°	30885.0	100.0

**Coefficient of Utilization**



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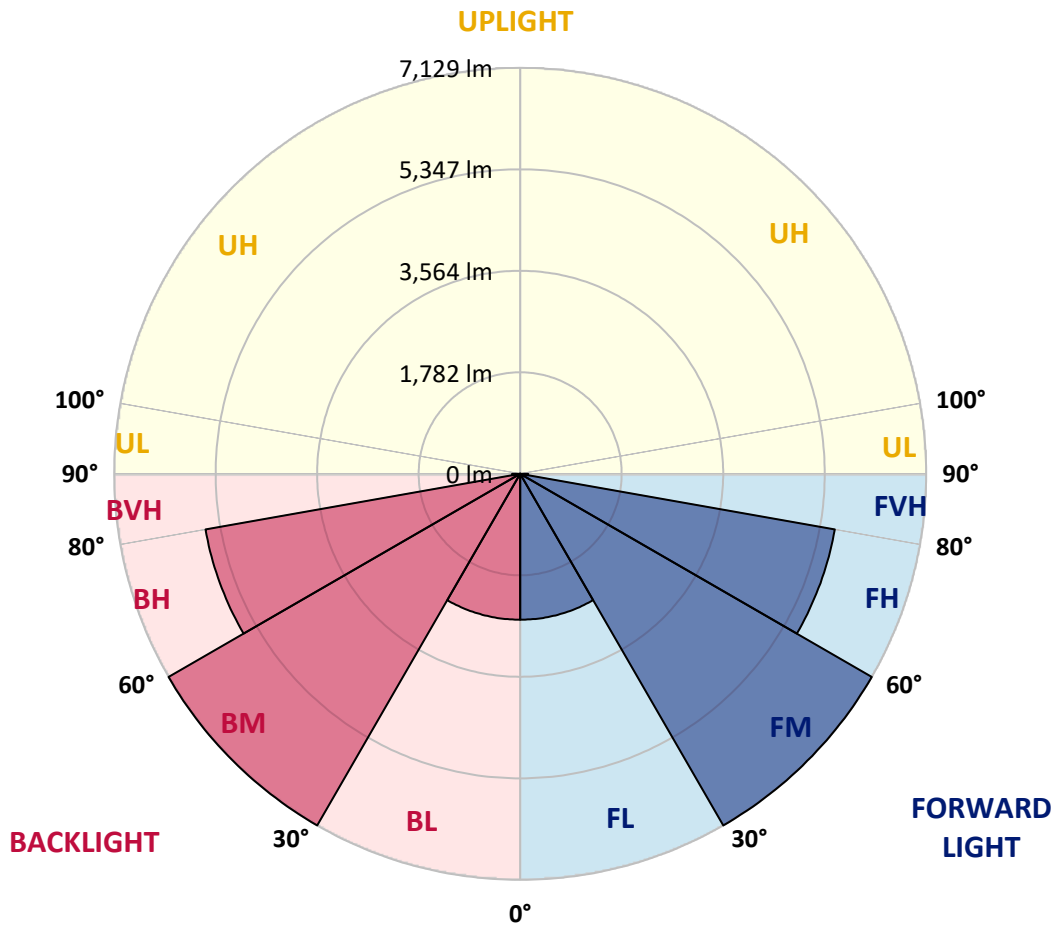
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2561.8	8.3			
FM (30°-60°)	7128.9	23.1			
FH (60°-80°)	5610.2	18.2			G3/7500
FVH (80°-90°)	141.6	0.5			G2/225
BL (0°-30°)	2561.8	8.3	B4/5000		
BM (30°-60°)	7128.9	23.1	B4/8500		
BH (60°-80°)	5610.2	18.2	B5		G5
BVH (80°-90°)	141.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5771.2	5771.2	5771.2	5771.2	5771.2	5771.2	5771.2	5771.2	5771.2	5771.2
2.5°	5776.1	5782.7	5782.7	5777.8	5789.2	5779.4	5779.4	5774.5	5779.4	5774.5
5°	5805.7	5813.9	5817.1	5815.5	5830.3	5822.1	5822.1	5815.5	5817.1	5812.2
7.5°	5861.5	5873.0	5879.5	5887.7	5909.1	5899.2	5892.7	5873.0	5864.7	5851.6
10°	5879.5	5892.7	5914.0	5956.7	6005.9	6007.6	5987.9	5938.6	5900.9	5871.3
12.5°	5823.7	5841.8	5886.1	5973.1	6083.1	6127.4	6096.2	6014.1	5940.3	5887.7
15°	5753.1	5772.8	5840.1	5971.4	6133.9	6237.3	6234.1	6125.7	6007.6	5925.5
17.5°	5643.2	5662.9	5759.7	5943.5	6173.3	6344.0	6390.0	6278.4	6112.6	6002.6
20°	5444.5	5462.6	5597.2	5854.9	6186.5	6457.3	6577.1	6478.6	6271.8	6122.4
22.5°	5186.8	5214.8	5372.3	5702.2	6155.3	6575.5	6790.5	6723.2	6457.3	6250.5
25°	4911.1	4940.6	5124.5	5515.1	6074.8	6660.8	7043.3	7000.6	6667.4	6409.7
27.5°	4673.1	4704.3	4904.5	5329.6	5950.1	6693.7	7292.8	7314.1	6921.8	6585.3
30°	4486.0	4515.5	4728.9	5180.3	5789.2	6660.8	7511.1	7658.8	7181.2	6738.0
32.5°	4280.8	4318.5	4543.4	4998.1	5598.8	6582.0	7701.5	8031.4	7481.5	6902.1
35°	4021.4	4055.9	4292.3	4748.6	5349.3	6455.7	7860.7	8445.0	7911.6	7151.6
37.5°	3706.3	3739.1	3973.8	4436.7	5101.5	6278.4	7982.2	8911.2	8423.7	7511.1
40°	3389.5	3420.7	3640.6	4088.7	4804.4	6051.9	8024.8	9367.5	9011.3	8005.1
42.5°	3099.0	3126.9	3328.8	3745.7	4471.2	5763.0	7969.0	9764.7	9538.2	8349.8
45°	2831.4	2856.0	3035.0	3424.0	4124.9	5411.7	7801.6	10191.5	10165.2	8596.1
47.5°	2526.1	2550.7	2736.2	3112.1	3778.5	4999.7	7517.6	10611.7	11036.8	9154.1
50°	2153.5	2174.9	2365.3	2752.6	3419.1	4561.5	7123.7	10941.6	12136.6	9999.5
52.5°	1712.0	1735.0	1920.4	2307.8	2992.3	4090.4	6605.0	11156.6	13407.0	11233.8
55°	1273.7	1290.1	1451.0	1799.0	2463.8	3553.6	5955.0	11217.4	14848.2	12921.2
57.5°	924.1	934.0	1037.4	1296.7	1867.9	2882.3	5165.5	11059.8	16563.4	15084.5
60°	748.5	751.8	783.0	897.8	1298.4	2124.0	4211.9	10518.1	18424.8	17873.3
62.5°	679.5	679.5	687.7	718.9	878.2	1401.8	3057.9	9395.4	20420.7	21397.4
65°	631.9	631.9	635.2	650.0	692.7	892.9	1930.3	7566.9	22103.2	25525.5
67.5°	589.3	590.9	589.3	594.2	618.8	659.8	1119.4	5226.2	23009.2	29803.0
70°	544.9	548.2	540.0	540.0	559.7	561.4	700.9	2865.9	22257.5	33387.9
72.5°	492.4	497.3	484.2	480.9	495.7	489.1	526.9	1375.5	19109.3	34458.1
75°	446.5	453.0	423.5	415.3	415.3	410.4	428.4	705.8	12402.5	28109.1
77.5°	405.4	418.6	371.0	344.7	338.1	323.4	349.6	431.7	5424.9	13196.9
80°	334.8	352.9	305.3	274.1	262.6	246.2	275.8	302.0	1613.5	3064.5
82.5°	249.5	257.7	216.7	195.3	185.5	174.0	206.8	210.1	525.3	1085.0
85°	159.2	162.5	133.0	114.9	110.0	105.1	131.3	114.9	200.3	797.7
87.5°	55.8	64.0	50.9	46.0	49.2	41.0	60.7	34.5	55.8	563.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5771.2  
5774.5  
5812.2  
5851.6  
5866.4  
5879.5  
5912.3  
5984.6  
6094.5  
6212.7  
6357.2  
6529.5  
6657.5  
6800.4  
7038.4  
7360.1  
7844.3  
8143.0  
8317.0  
8832.4  
9595.7  
10736.4  
12299.1  
14301.6  
16886.8  
20076.1  
23854.6  
27999.1  
32913.5  
35705.5  
30065.7  
12922.8  
2934.8  
1226.1  
1158.8  
697.6  
0.0

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