

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: P957221

Luminaire Tested: **GALN-SB9C-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957221  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9C-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

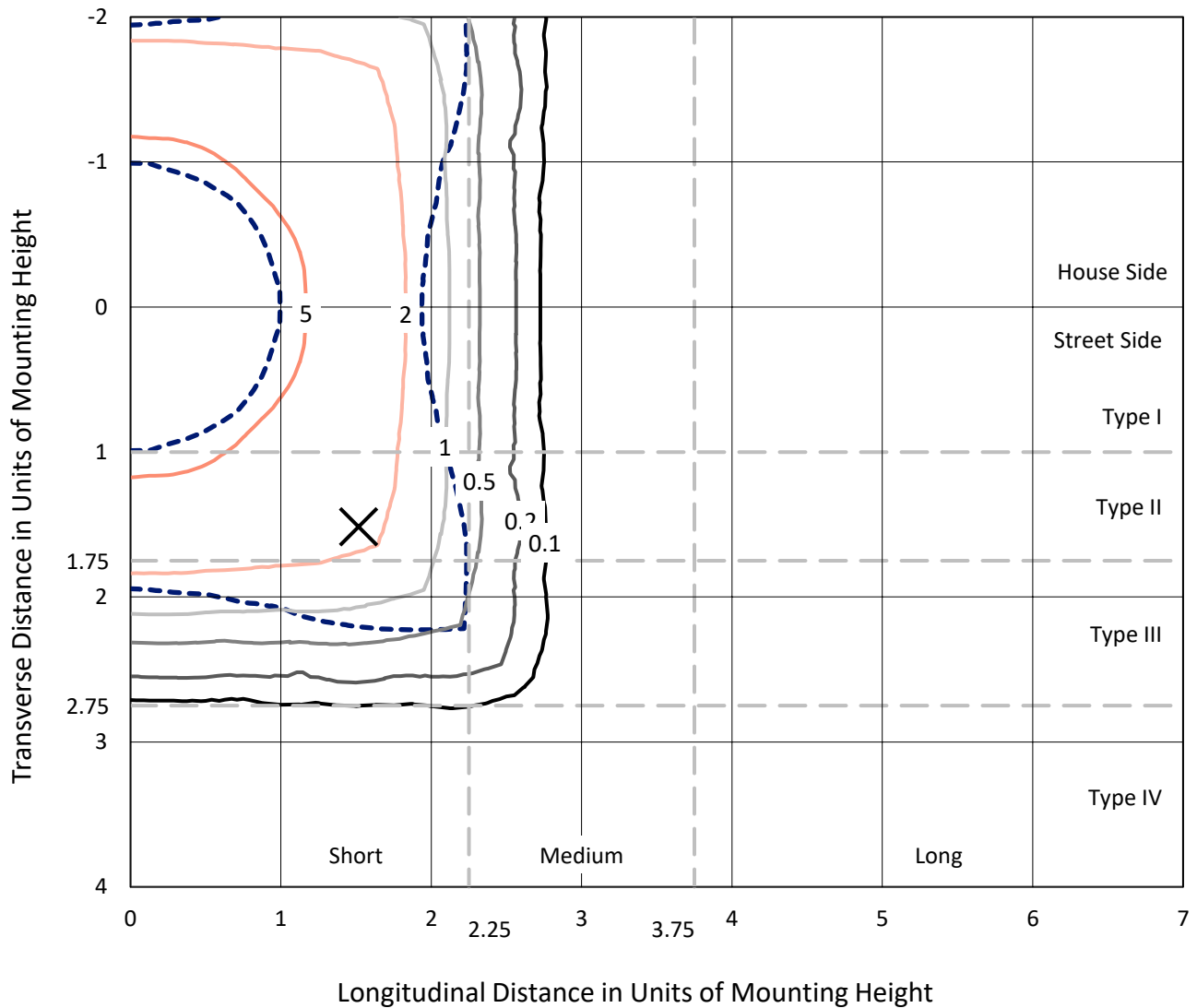
Lumens per Lamp: N/A  
Luminaire Lumens: 43510 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

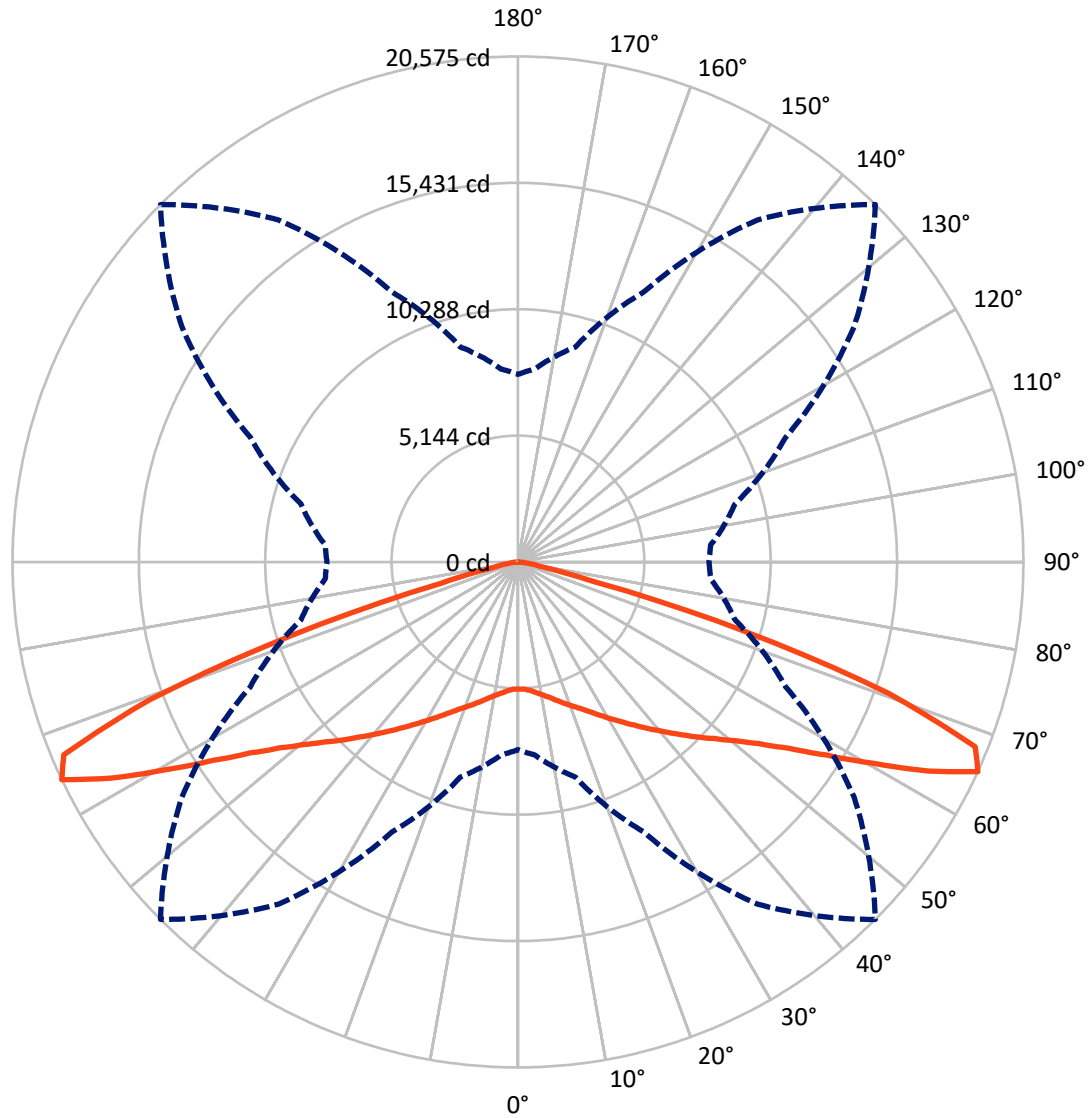
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21755.0	0.0	21755.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21755.0	0.0	21755.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43510.0	0.0	43510.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.0	1.2
10°-20°	1667.5	3.8
20°-30°	3148.5	7.2
30°-40°	5155.6	11.8
40°-50°	7993.7	18.4
50°-60°	11808.4	27.1
60°-70°	11240.5	25.8
70°-80°	1813.8	4.2
80°-90°	171.0	0.4
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°	43510.0	100.0
0°-180°	43510.0	100.0

**Coefficient of Utilization**



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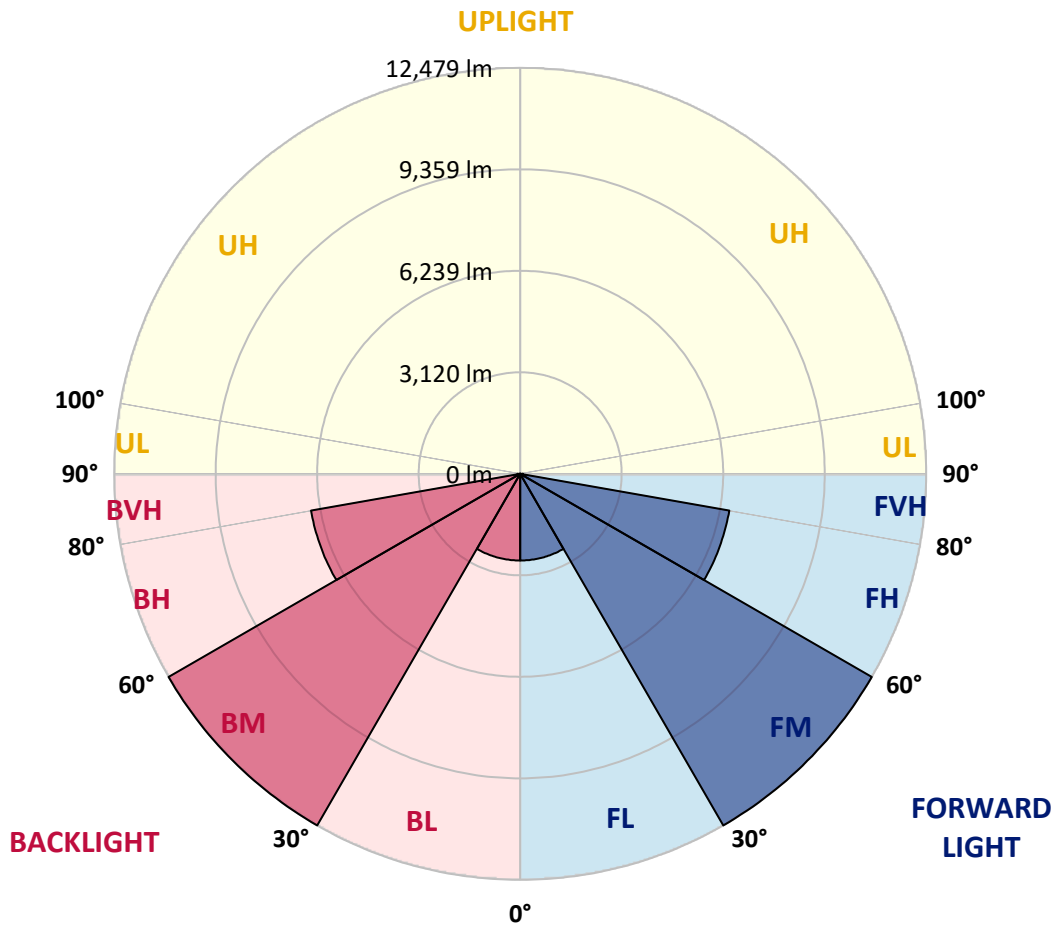
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2663.5	6.1			
FM (30°-60°)	12478.8	28.7			
FH (60°-80°)	6527.2	15.0			G3/7500
FVH (80°-90°)	85.5	0.2			G1/100
BL (0°-30°)	2663.5	6.1	B4/5000		
BM (30°-60°)	12478.8	28.7	B5		
BH (60°-80°)	6527.2	15.0	B5		G3/7500
BVH (80°-90°)	85.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5178.1	5178.1	5178.1	5178.1	5178.1	5178.1	5178.1	5178.1	5178.1	5178.1
2.5°	5213.1	5195.6	5208.7	5197.8	5189.0	5180.3	5184.7	5200.0	5206.5	5208.7
5°	5282.9	5267.6	5274.2	5274.2	5258.9	5254.5	5256.7	5267.6	5280.7	5280.7
7.5°	5396.4	5381.1	5396.4	5387.7	5374.6	5370.2	5368.0	5376.8	5396.4	5396.4
10°	5534.0	5516.5	5525.2	5520.9	5505.6	5499.0	5496.8	5509.9	5527.4	5525.2
12.5°	5684.6	5664.9	5675.9	5662.8	5658.4	5651.8	5651.8	5649.7	5660.6	5651.8
15°	5852.7	5839.6	5843.9	5835.2	5841.8	5837.4	5819.9	5811.2	5815.6	5802.5
17.5°	6051.3	6020.8	6036.1	6031.7	6031.7	6040.4	6012.0	6001.1	6009.9	5996.8
20°	6280.6	6250.0	6256.5	6247.8	6236.9	6245.6	6210.7	6219.4	6226.0	6217.2
22.5°	6531.6	6492.3	6490.1	6494.5	6470.5	6472.7	6448.6	6470.5	6483.6	6459.6
25°	6789.2	6747.7	6776.1	6765.2	6734.6	6741.2	6723.7	6745.5	6756.4	6725.9
27.5°	7062.1	7033.7	7059.9	7066.4	7029.3	7055.5	7029.3	7049.0	7059.9	7014.0
30°	7380.8	7352.4	7376.4	7393.9	7350.2	7391.7	7369.9	7383.0	7385.2	7330.6
32.5°	7727.9	7684.2	7745.4	7754.1	7706.1	7756.3	7727.9	7745.4	7756.3	7682.0
35°	8151.4	8096.8	8166.7	8155.8	8114.3	8155.8	8129.6	8155.8	8182.0	8092.5
37.5°	8607.7	8550.9	8625.1	8605.5	8566.2	8594.6	8579.3	8596.7	8638.2	8542.2
40°	9109.7	9039.9	9140.3	9105.4	9068.3	9063.9	9072.6	9083.5	9138.1	9031.2
42.5°	9646.8	9572.5	9723.2	9668.6	9616.2	9581.3	9609.7	9631.5	9683.9	9563.8
45°	10260.2	10175.1	10371.5	10306.0	10223.1	10151.0	10196.9	10229.6	10306.0	10162.0
47.5°	10936.9	10840.9	11050.5	11030.8	10895.5	10738.3	10843.1	10936.9	10993.7	10819.1
50°	11598.4	11524.2	11799.2	11823.2	11657.3	11436.8	11583.1	11725.0	11740.3	11511.1
52.5°	12218.4	12144.1	12543.6	12694.3	12545.8	12283.9	12438.9	12582.9	12467.2	12170.3
55°	12713.9	12652.8	13161.4	13550.0	13600.2	13384.1	13475.8	13471.4	13091.6	12635.3
57.5°	12834.0	12825.2	13467.1	14290.1	14814.0	14840.2	14659.0	14196.2	13377.6	12764.1
60°	12288.2	12342.8	13224.7	14676.4	16073.6	16654.3	15870.6	14549.8	13052.3	12200.9
62.5°	10655.3	10799.4	11862.5	14204.9	17090.9	18741.2	16842.0	14012.8	11716.3	10605.1
65°	7636.2	7887.3	9061.7	12122.3	16999.2	20575.0	16702.3	12024.1	9149.0	7867.6
67.5°	3464.5	3719.9	4717.5	8299.8	14776.9	20077.2	14741.9	8387.2	4953.3	3733.0
70°	1255.2	1298.9	1619.8	3322.6	9443.7	15997.2	9847.6	3346.6	1722.4	1384.0
72.5°	759.7	766.2	833.9	1189.7	3281.1	9712.3	3420.8	1229.0	851.4	755.3
75°	482.4	478.1	593.8	726.9	1163.6	3276.7	1220.3	726.9	591.6	539.2
77.5°	347.1	358.0	425.7	543.6	733.5	1111.2	720.4	519.6	425.7	349.3
80°	259.8	266.3	310.0	423.5	515.2	692.0	458.4	384.2	320.9	218.3
82.5°	187.7	187.7	203.0	307.8	314.4	373.3	248.9	270.7	211.8	155.0
85°	111.3	109.2	126.6	183.4	163.7	137.5	113.5	165.9	133.2	96.1
87.5°	39.3	41.5	39.3	52.4	43.7	37.1	34.9	45.8	37.1	32.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5178.1
5208.7
5280.7
5389.9
5520.9
5656.2
5804.7
6007.7
6236.9
6483.6
6760.8
7049.0
7363.3
7732.3
8147.0
8601.1
9066.1
9627.1
10236.2
10878.0
11539.4
12179.1
12650.6
12724.8
12100.5
10539.6
7773.7
3678.4
1366.6
768.4
543.6
355.8
224.9
155.0
93.9
30.6
0.0

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