

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: P956149

Luminaire Tested: **GALN-SB8D-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8D-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52454 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

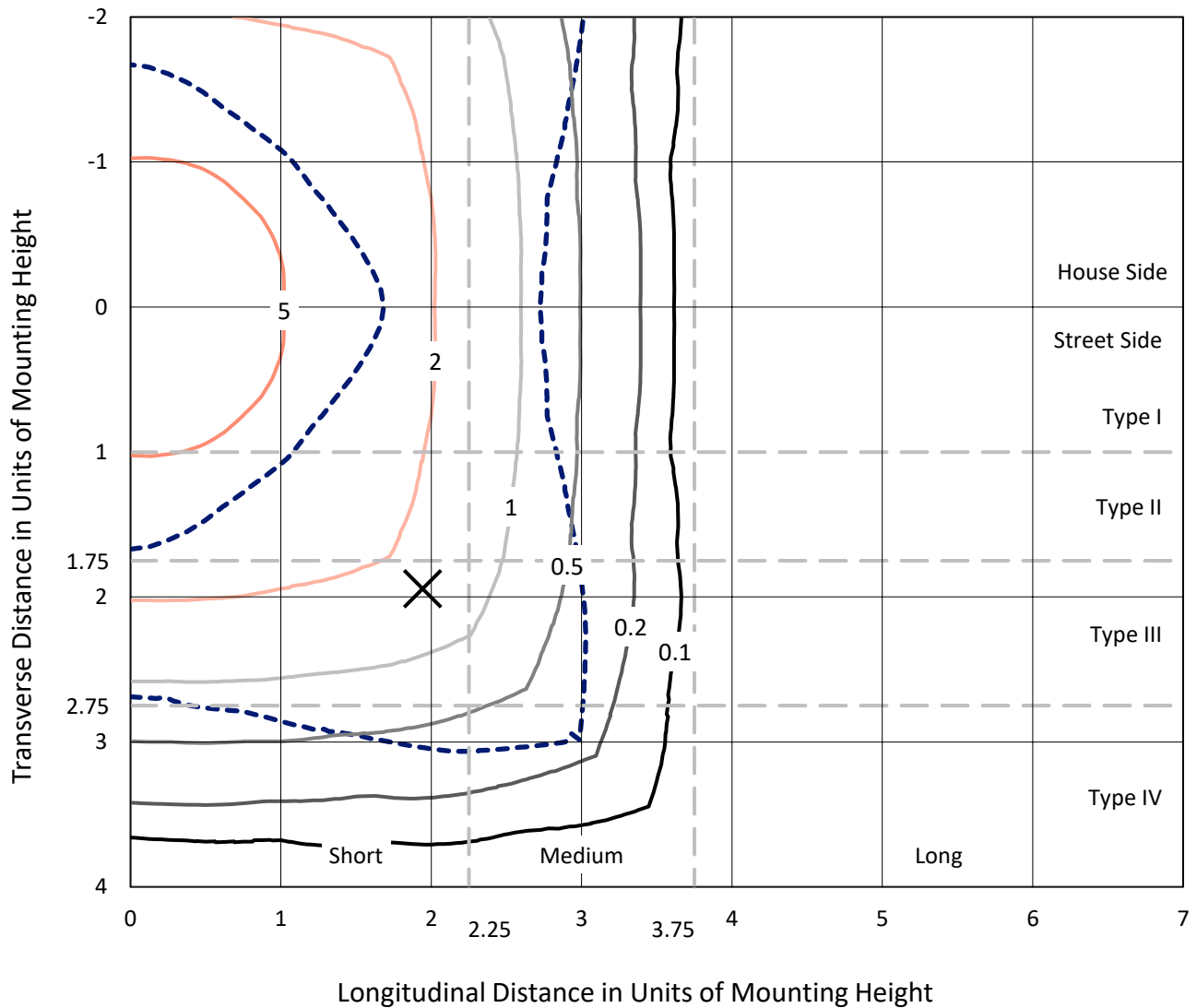
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

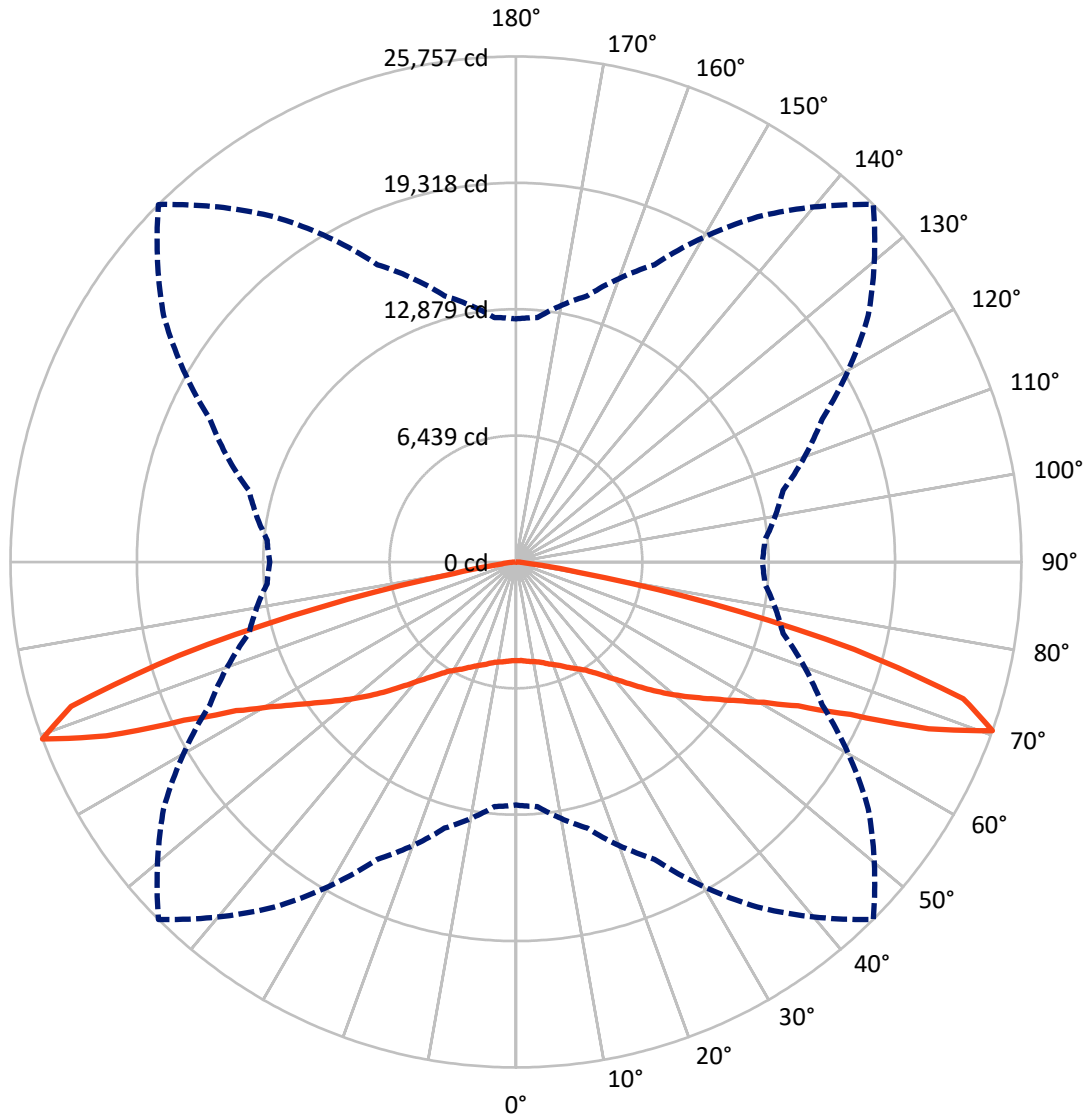
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26227.0	0.0	26227.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26227.0	0.0	26227.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52454.0	0.0	52454.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.1	0.9
10°-20°	1513.7	2.9
20°-30°	2705.1	5.2
30°-40°	4384.9	8.4
40°-50°	7142.3	13.6
50°-60°	10889.5	20.8
60°-70°	16200.2	30.9
70°-80°	8829.6	16.8
80°-90°	300.7	0.6
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°	52454.0	100.0
0°-180°	52454.0	100.0

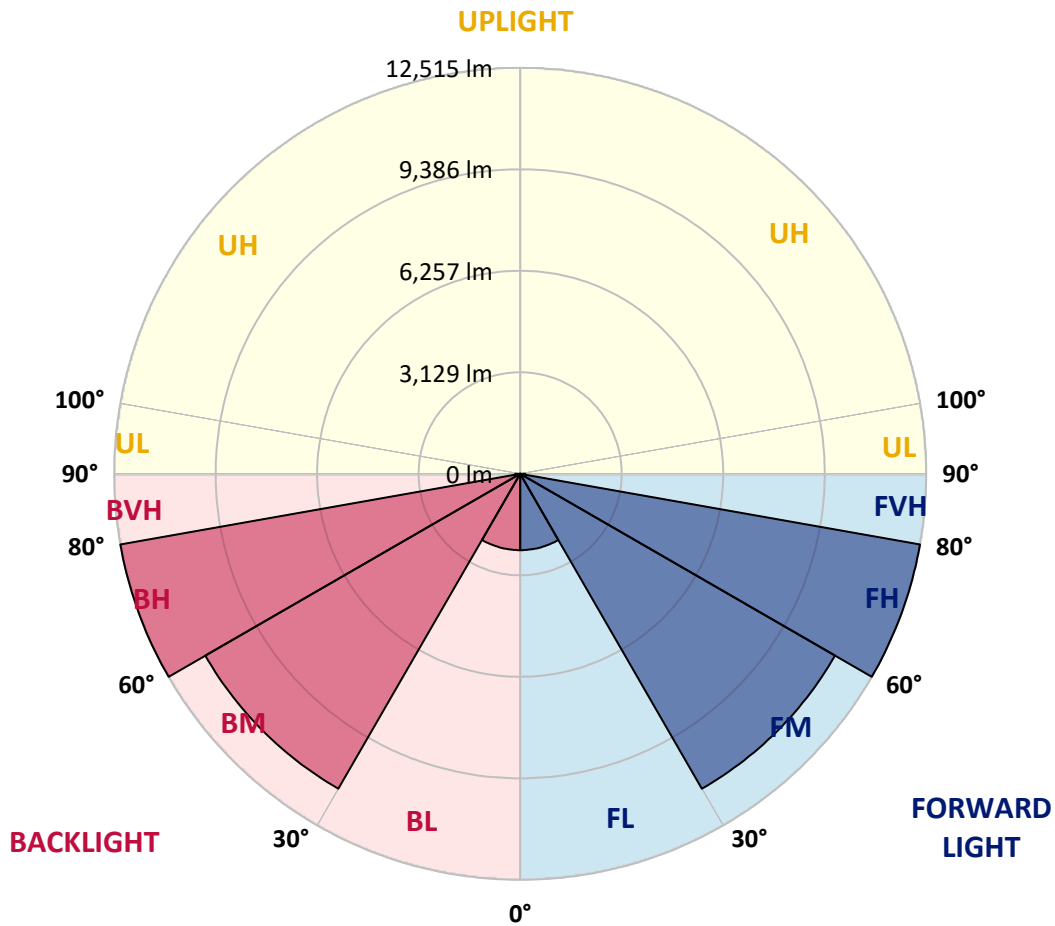


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2353.4	4.5			
FM (30°-60°)	11208.3	21.4			
FH (60°-80°)	12514.9	23.9			G5
FVH (80°-90°)	150.3	0.3			G2/225
BL (0°-30°)	2353.4	4.5	B3/2500		
BM (30°-60°)	11208.3	21.4	B5		
BH (60°-80°)	12514.9	23.9	B5		G5
BVH (80°-90°)	150.3	0.3			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5024.6	5024.6	5024.6	5024.6	5024.6	5024.6	5024.6	5024.6	5024.6	5024.6
2.5°	5048.3	5053.5	5043.0	5037.7	5032.5	5024.6	5027.2	5040.4	5050.9	5048.3
5°	5090.4	5095.7	5087.8	5085.1	5074.6	5072.0	5072.0	5085.1	5093.0	5087.8
7.5°	5137.8	5145.7	5132.5	5129.9	5124.6	5119.4	5116.7	5129.9	5137.8	5137.8
10°	5182.6	5190.5	5179.9	5172.0	5166.8	5166.8	5161.5	5172.0	5185.2	5182.6
12.5°	5230.0	5235.2	5224.7	5219.4	5219.4	5227.3	5219.4	5224.7	5235.2	5230.0
15°	5287.9	5290.5	5287.9	5295.8	5309.0	5335.3	5311.6	5306.3	5311.6	5298.4
17.5°	5366.9	5372.2	5382.7	5401.1	5419.6	5467.0	5424.8	5411.7	5411.7	5385.3
20°	5464.3	5472.2	5488.0	5519.6	5543.3	5588.1	5546.0	5527.5	5519.6	5485.4
22.5°	5567.0	5580.2	5603.9	5646.0	5688.2	5730.3	5688.2	5656.6	5632.9	5588.1
25°	5685.5	5701.3	5738.2	5806.7	5864.6	5925.2	5875.1	5811.9	5764.5	5701.3
27.5°	5854.1	5872.5	5917.3	6001.5	6075.3	6127.9	6080.5	5998.9	5933.1	5856.7
30°	6091.1	6109.5	6162.2	6251.7	6301.8	6336.0	6304.4	6241.2	6162.2	6075.3
32.5°	6396.6	6420.3	6478.2	6562.5	6573.0	6578.3	6567.7	6536.1	6478.2	6372.9
35°	6783.7	6810.0	6875.8	6944.3	6933.8	6944.3	6928.5	6918.0	6875.8	6754.7
37.5°	7257.7	7289.3	7357.8	7410.4	7384.1	7370.9	7373.6	7376.2	7352.5	7218.2
40°	7808.1	7850.2	7900.2	7955.5	7910.8	7871.3	7897.6	7918.7	7897.6	7760.7
42.5°	8374.3	8434.8	8487.5	8566.5	8529.6	8479.6	8516.5	8540.2	8495.4	8347.9
45°	9003.6	9061.6	9130.0	9248.5	9222.2	9169.5	9222.2	9227.5	9151.1	8977.3
47.5°	9654.1	9714.7	9817.4	9975.4	9964.8	9906.9	9975.4	9938.5	9841.1	9633.0
50°	10270.3	10354.6	10512.6	10733.8	10754.9	10683.8	10775.9	10704.8	10541.5	10280.8
52.5°	10849.7	10939.2	11189.4	11489.6	11565.9	11473.8	11597.5	11473.8	11228.9	10894.4
55°	11458.0	11558.0	11855.6	12248.0	12400.7	12332.3	12448.1	12261.2	11913.6	11508.0
57.5°	12174.3	12234.8	12590.3	13056.5	13314.5	13330.3	13383.0	13067.0	12645.6	12184.8
60°	12951.1	13035.4	13422.5	13980.8	14389.0	14520.6	14465.3	13996.6	13506.8	12977.5
62.5°	13946.6	14038.7	14502.2	15171.1	15816.3	16142.8	15926.9	15247.5	14641.8	14007.1
65°	14770.8	14873.5	15710.9	16903.9	18078.4	18734.1	18191.6	16940.7	15850.5	14955.1
67.5°	14173.0	14299.4	15613.5	17804.5	20725.0	22681.6	20825.0	18073.1	15937.4	14723.4
70°	12387.6	12506.1	14038.7	16716.9	21470.2	25757.4	21917.9	17209.3	14088.8	12729.9
72.5°	8224.1	8606.0	10157.1	13369.8	19171.2	23835.0	19360.8	13098.6	9422.3	8205.7
75°	2728.2	3033.7	4092.3	6931.1	12840.5	17825.6	12224.3	6133.2	3241.7	2333.2
77.5°	687.3	792.7	1092.9	1983.0	5122.0	10149.2	4611.1	1619.5	882.2	616.2
80°	334.4	368.7	526.7	661.0	1282.5	3225.9	1203.5	621.5	416.1	321.3
82.5°	184.3	187.0	297.6	373.9	476.6	834.8	495.1	363.4	239.6	194.9
85°	113.2	110.6	158.0	200.1	200.1	297.6	237.0	200.1	136.9	121.1
87.5°	44.8	44.8	57.9	63.2	55.3	76.4	60.6	65.8	52.7	50.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5024.6
5050.9
5090.4
5137.8
5182.6
5227.3
5298.4
5385.3
5485.4
5585.5
5698.7
5854.1
6075.3
6375.5
6754.7
7218.2
7760.7
8358.5
8995.7
9619.9
10275.6
10862.8
11452.7
12121.6
12893.2
13896.5
14807.7
14541.7
12548.2
7939.7
2206.8
550.4
294.9
194.9
126.4
52.7
0.0

OF REPORT)