

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: P944780

Luminaire Tested: **GALN-SB9D-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57067 lumens
Efficiency: N/A
Efficacy: 86.7 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

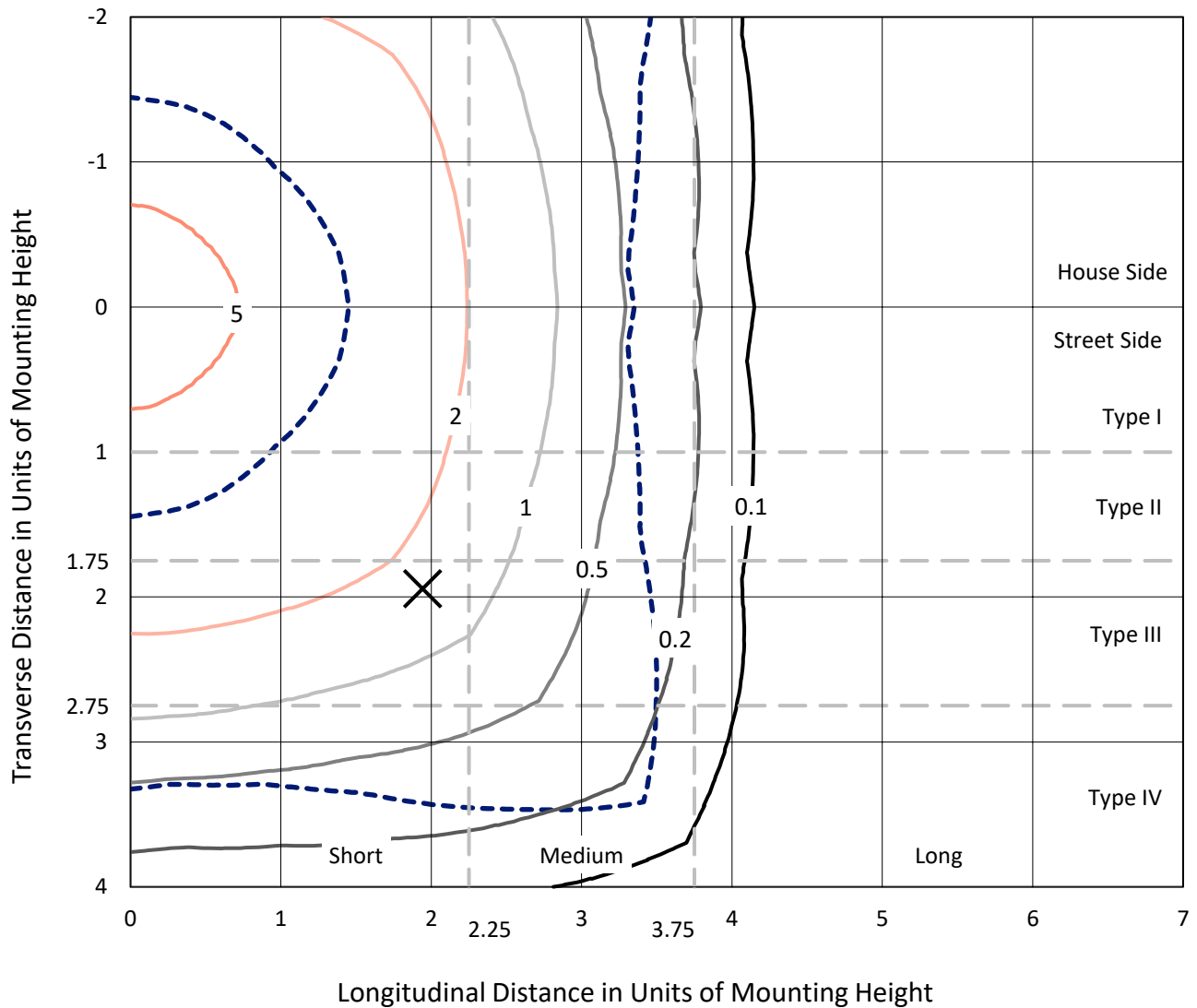
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

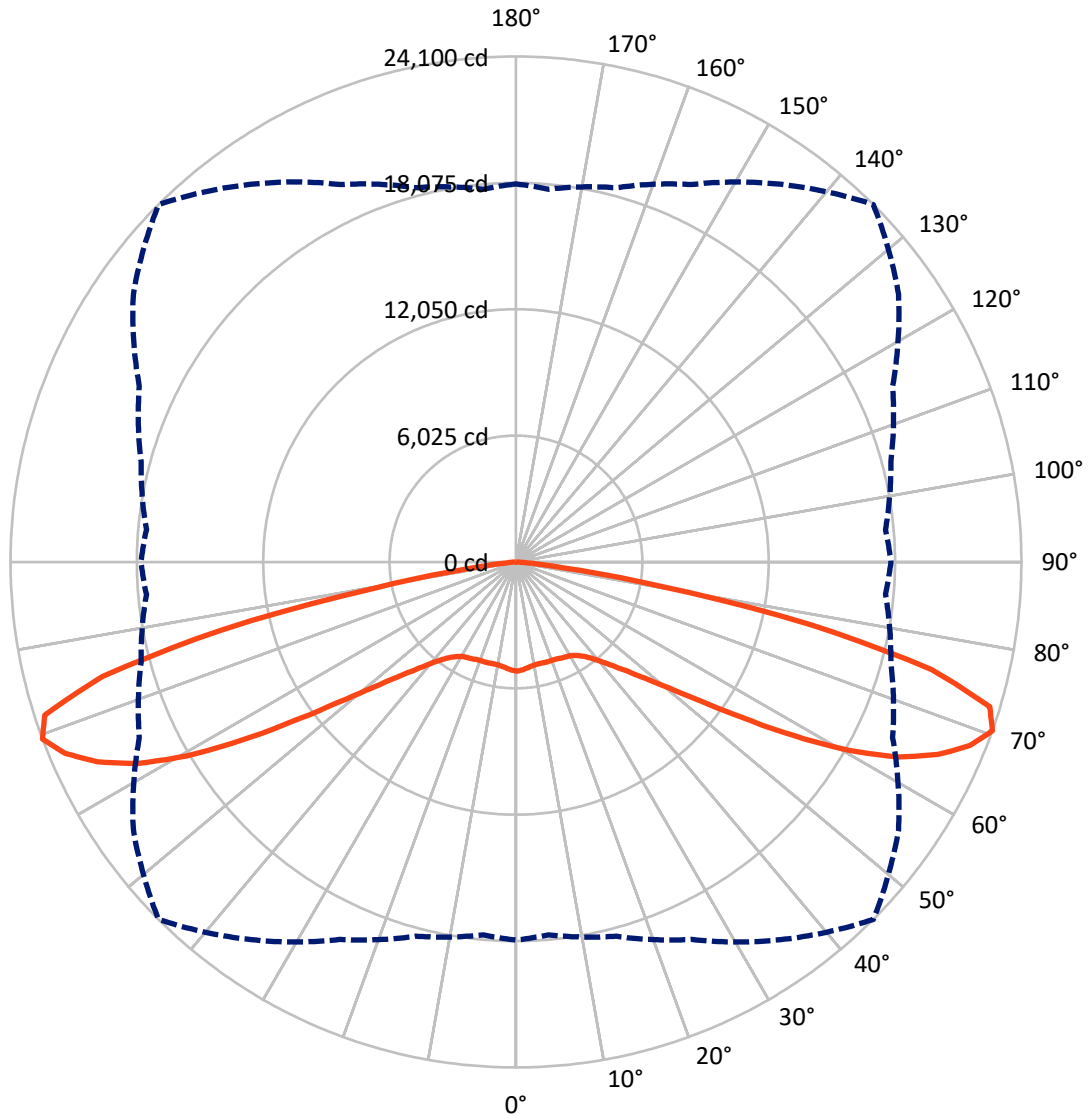
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	28533.5	0.0	28533.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28533.5	0.0	28533.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57067.0	0.0	57067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.3	0.8
10°-20°	1421.9	2.5
20°-30°	2366.2	4.1
30°-40°	3578.4	6.3
40°-50°	5946.5	10.4
50°-60°	11220.8	19.7
60°-70°	18946.8	33.2
70°-80°	12450.0	21.8
80°-90°	652.3	1.1
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°	57067.0	100.0
0°-180°	57067.0	100.0

Coefficient of Utilization



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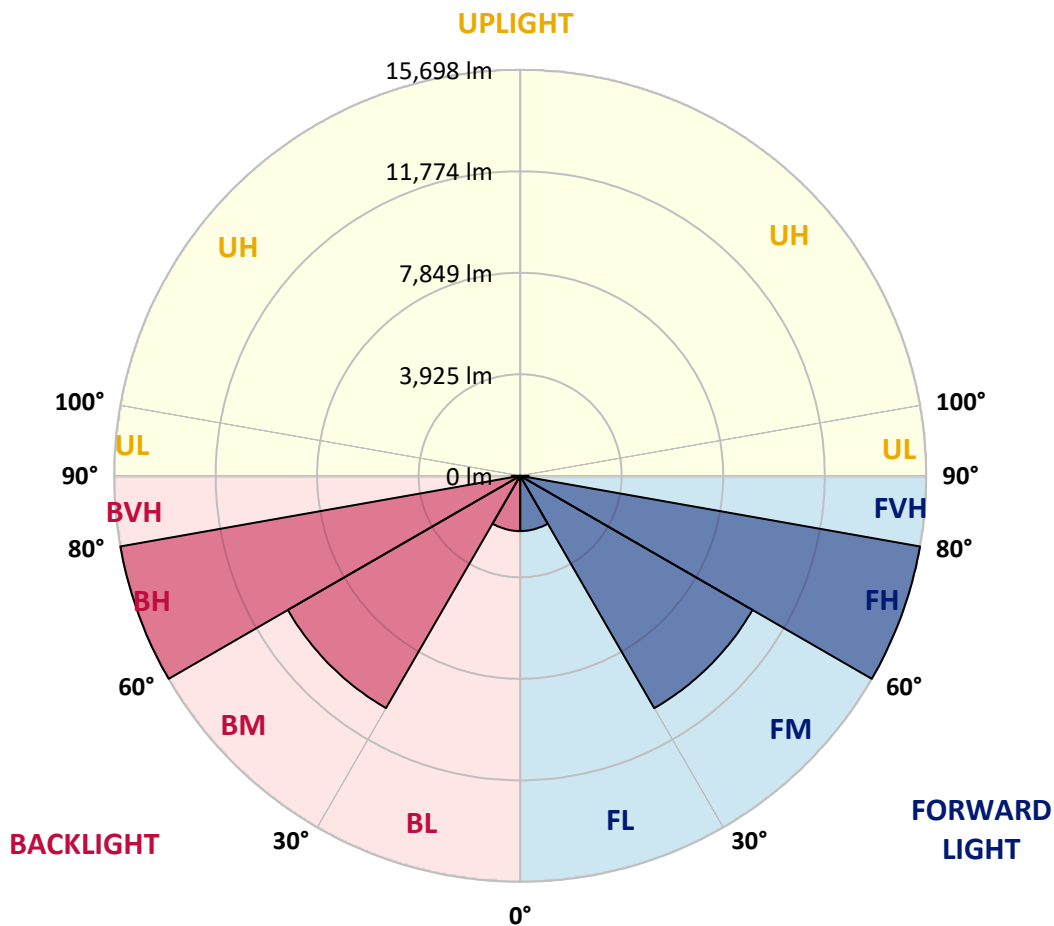
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2136.2	3.7			
FM (30°-60°)	10372.8	18.2			
FH (60°-80°)	15698.4	27.5			G5
FVH (80°-90°)	326.1	0.6			G3/500
BL (0°-30°)	2136.2	3.7	B3/2500		
BM (30°-60°)	10372.8	18.2	B5		
BH (60°-80°)	15698.4	27.5	B5		G5
BVH (80°-90°)	326.1	0.6			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5205.7	5205.7	5205.7	5205.7	5205.7	5205.7	5205.7	5205.7	5205.7	5205.7
2.5°	5173.0	5187.9	5181.9	5170.1	5170.1	5161.2	5170.1	5176.0	5184.9	5190.8
5°	5104.8	5116.7	5113.7	5104.8	5107.8	5098.9	5104.8	5113.7	5119.6	5122.6
7.5°	5045.5	5057.3	5051.4	5036.6	5036.6	5027.7	5030.7	5039.6	5048.5	5051.4
10°	5030.7	5042.5	5024.7	5001.0	4992.1	4980.2	4983.2	4992.1	5009.9	5018.8
12.5°	5036.6	5045.5	5027.7	4992.1	4983.2	4971.3	4971.3	4980.2	5004.0	5015.8
15°	5054.4	5063.3	5036.6	4998.0	4989.1	4980.2	4977.3	4989.1	5015.8	5036.6
17.5°	5087.0	5095.9	5054.4	5001.0	4989.1	4992.1	4989.1	4998.0	5039.6	5078.1
20°	5116.7	5122.6	5066.2	5001.0	4989.1	4992.1	4989.1	5006.9	5060.3	5113.7
22.5°	5125.6	5131.5	5078.1	5021.8	5012.9	5015.8	5012.9	5030.7	5081.1	5134.5
25°	5128.5	5137.4	5095.9	5051.4	5066.2	5072.2	5066.2	5069.2	5107.8	5155.2
27.5°	5173.0	5184.9	5146.3	5107.8	5116.7	5113.7	5122.6	5131.5	5161.2	5208.6
30°	5265.0	5273.9	5241.3	5202.7	5196.8	5176.0	5202.7	5232.4	5265.0	5306.5
32.5°	5416.3	5434.1	5392.5	5351.0	5324.3	5312.4	5333.2	5383.6	5428.1	5472.6
35°	5668.4	5680.2	5641.7	5564.6	5517.1	5517.1	5534.9	5600.2	5671.4	5727.7
37.5°	6024.3	6039.2	5970.9	5879.0	5807.8	5807.8	5831.5	5899.7	6006.5	6086.6
40°	6457.4	6478.2	6392.1	6297.2	6229.0	6217.1	6246.8	6323.9	6424.8	6525.6
42.5°	6979.4	7003.2	6890.5	6807.4	6754.0	6754.0	6768.8	6840.0	6932.0	7056.6
45°	7646.8	7688.4	7534.1	7451.1	7400.6	7412.5	7421.4	7483.7	7566.7	7709.1
47.5°	8441.8	8483.3	8320.2	8234.1	8225.2	8281.6	8246.0	8290.5	8335.0	8498.1
50°	9343.5	9414.7	9302.0	9296.0	9313.8	9417.6	9334.6	9358.3	9307.9	9411.7
52.5°	10446.9	10550.7	10530.0	10565.6	10764.3	10977.9	10788.0	10705.0	10515.1	10547.8
55°	11784.7	11941.9	11971.5	12185.1	12636.0	13072.0	12668.6	12333.4	11930.0	11855.9
57.5°	13306.3	13430.9	13573.3	14009.3	14851.7	15625.9	14851.7	14110.2	13475.4	13324.1
60°	14943.7	15097.9	15234.3	15878.0	17129.7	18218.3	17106.0	15928.4	15089.0	14884.3
62.5°	16702.6	16901.3	16996.3	17711.1	19170.5	20469.7	19191.2	17764.5	16833.1	16613.6
65°	18390.4	18553.5	18660.3	19422.6	20816.7	22118.9	20911.6	19505.7	18547.6	18259.9
67.5°	19176.4	19265.4	19526.4	20389.6	21860.8	23346.9	22110.0	20481.5	19410.7	18906.5
70°	18025.5	17844.6	18473.4	19855.7	21985.4	24100.3	22270.1	19814.1	18503.1	17684.4
72.5°	13929.2	13617.8	14709.3	17073.4	20561.6	23619.8	20704.0	17206.9	15388.6	13727.5
75°	7578.6	7225.6	8732.5	11722.4	16397.1	20472.6	16773.8	12057.6	9723.2	7522.3
77.5°	2138.6	2005.1	3221.3	5671.4	9862.6	14374.1	10242.2	5795.9	3820.4	2266.2
80°	655.5	634.8	860.2	1708.5	4188.3	6884.5	4025.1	1729.3	1094.5	691.1
82.5°	388.6	355.9	427.1	622.9	1067.8	2162.4	1038.2	649.6	522.0	350.0
85°	222.5	207.6	252.1	302.6	358.9	459.8	299.6	308.5	278.8	186.9
87.5°	92.0	83.1	97.9	94.9	83.1	106.8	80.1	94.9	112.7	74.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5205.7
5187.9
5122.6
5051.4
5018.8
5018.8
5039.6
5078.1
5116.7
5134.5
5152.3
5196.8
5297.6
5454.8
5706.9
6057.0
6493.0
7047.7
7703.2
8450.7
9349.4
10438.0
11740.2
13217.3
14706.4
16435.6
18117.5
18912.4
17880.2
14139.8
8011.7
2518.3
729.7
379.7
195.8
68.2
0.0

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