

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: P956968

Luminaire Tested: **GALN-SB9C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956968
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-SB9C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59013 lumens
Efficiency: N/A
Efficacy: 131.2 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): 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

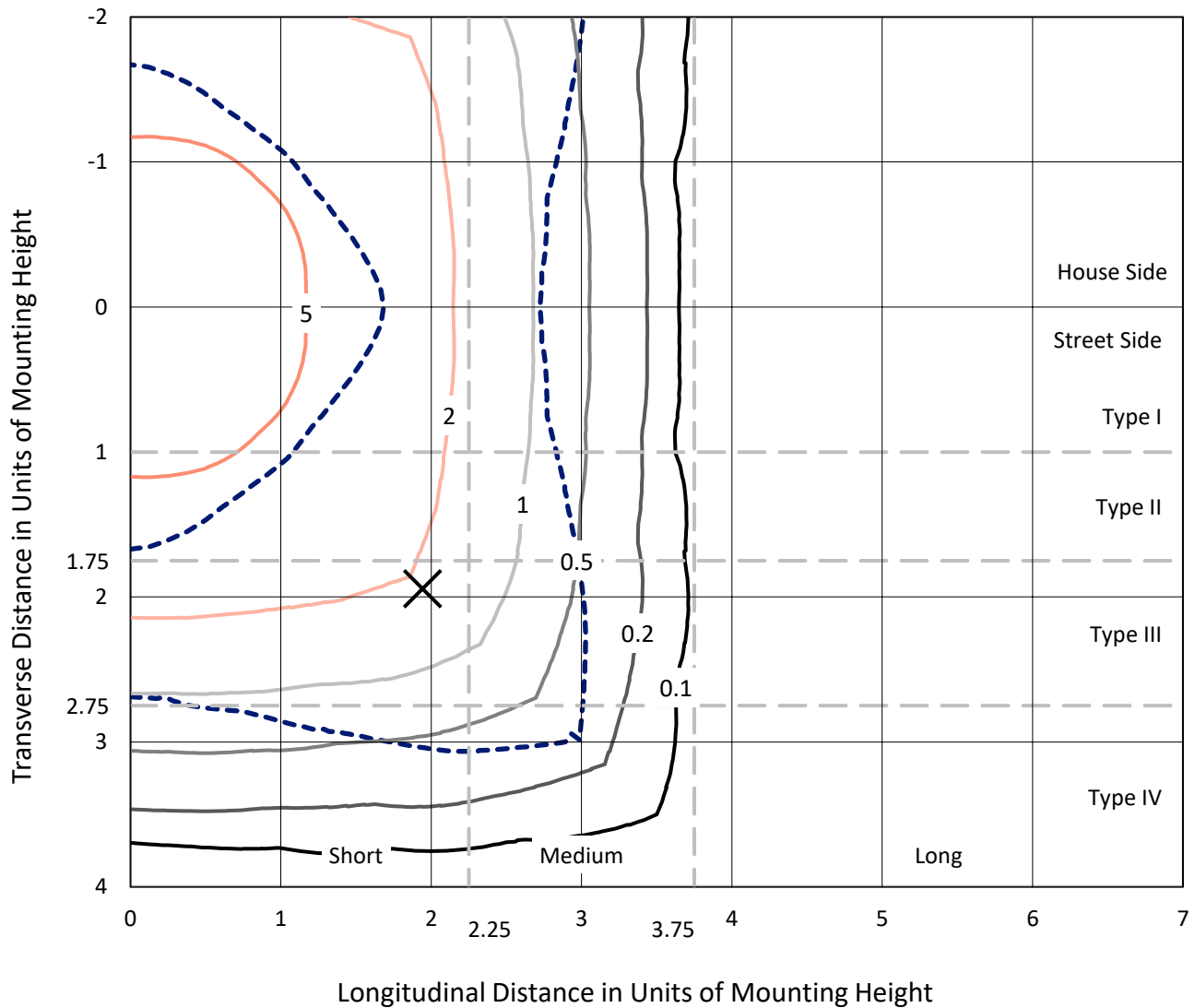


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

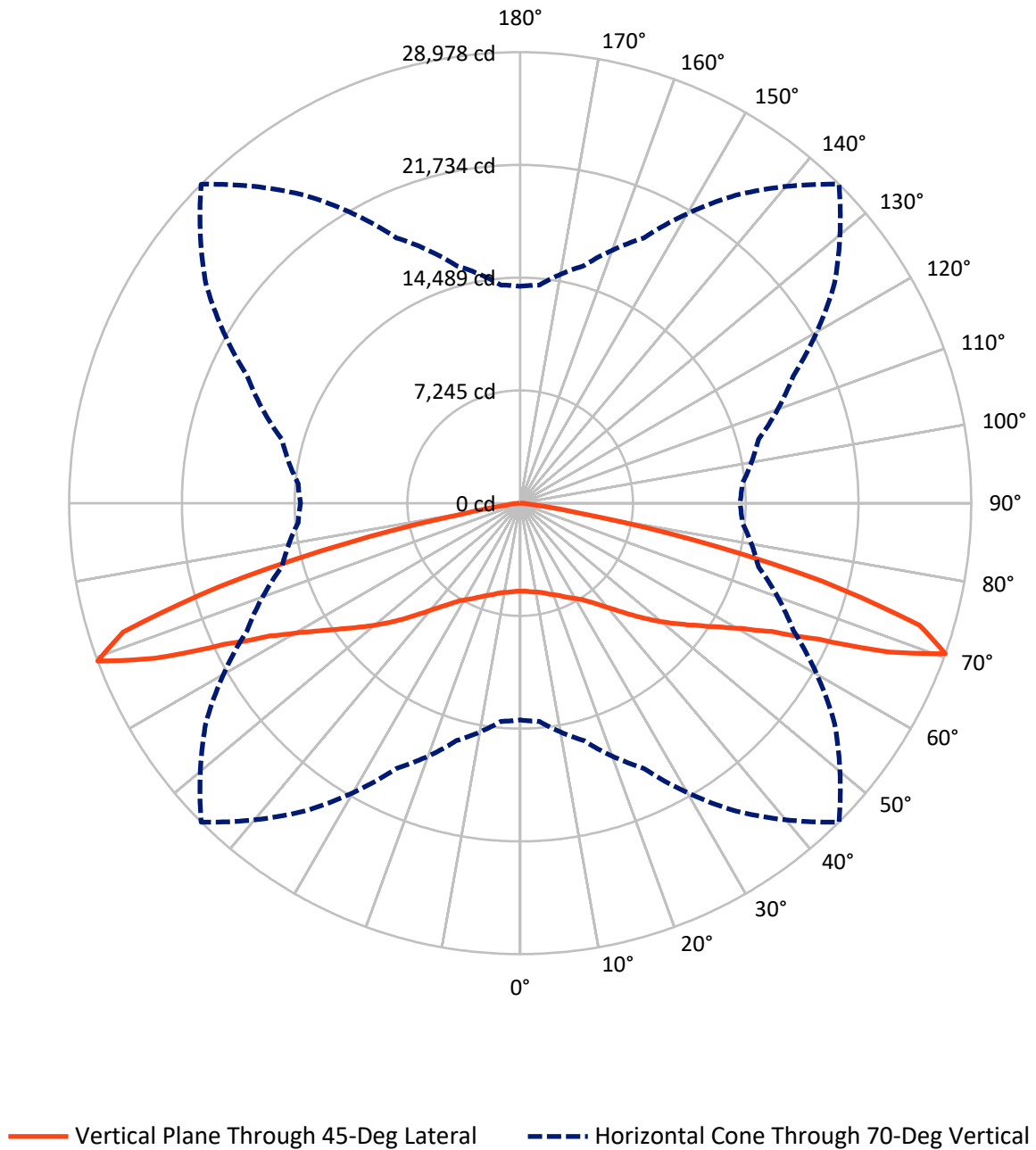


Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29506.5	0.0	29506.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29506.5	0.0	29506.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59013.0	0.0	59013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.2	0.9
10°-20°	1702.9	2.9
20°-30°	3043.3	5.2
30°-40°	4933.2	8.4
40°-50°	8035.4	13.6
50°-60°	12251.2	20.8
60°-70°	18225.9	30.9
70°-80°	9933.7	16.8
80°-90°	338.3	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°	59013.0	100.0
0°-180°	59013.0	100.0

Coefficient of Utilization



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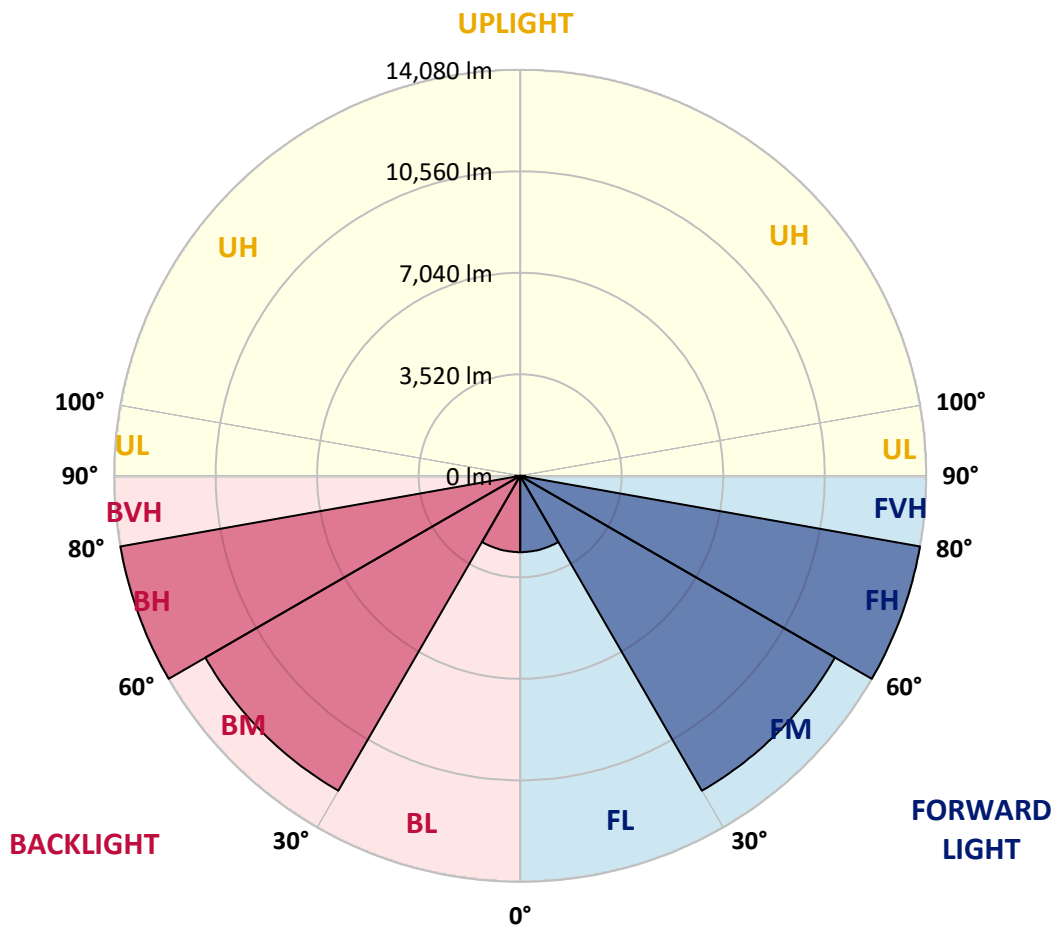
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2647.7	4.5			
FM	(30°-60°)	12609.9	21.4			
FH	(60°-80°)	14079.8	23.9			G5
FVH	(80°-90°)	169.1	0.3			G2/225
BL	(0°-30°)	2647.7	4.5	B4/5000		
BM	(30°-60°)	12609.9	21.4	B5		
BH	(60°-80°)	14079.8	23.9	B5		G5
BVH	(80°-90°)	169.1	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°	90°
0°	5652.8	5652.8	5652.8	5652.8	5652.8	5652.8	5652.8	5652.8	5652.8	5652.8	5652.8
2.5°	5679.5	5685.4	5673.6	5667.6	5661.7	5652.8	5655.8	5670.6	5682.5	5679.5	5682.5
5°	5726.9	5732.8	5723.9	5721.0	5709.1	5706.2	5706.2	5721.0	5729.9	5723.9	5726.9
7.5°	5780.2	5789.1	5774.3	5771.3	5765.4	5759.5	5756.5	5771.3	5780.2	5780.2	5780.2
10°	5830.6	5839.5	5827.6	5818.7	5812.8	5812.8	5806.9	5818.7	5833.6	5830.6	5830.6
12.5°	5883.9	5889.9	5878.0	5872.1	5872.1	5881.0	5872.1	5878.0	5889.9	5883.9	5881.0
15°	5949.1	5952.1	5949.1	5958.0	5972.8	6002.4	5975.8	5969.8	5975.8	5961.0	5961.0
17.5°	6038.0	6043.9	6055.8	6076.5	6097.2	6150.6	6103.2	6088.4	6088.4	6058.7	6058.7
20°	6147.6	6156.5	6174.3	6209.8	6236.5	6286.9	6239.4	6218.7	6209.8	6171.3	6171.3
22.5°	6263.2	6278.0	6304.6	6352.0	6399.4	6446.8	6399.4	6363.9	6337.2	6286.9	6283.9
25°	6396.5	6414.2	6455.7	6532.8	6597.9	6666.1	6609.8	6538.7	6485.4	6414.2	6411.3
27.5°	6586.1	6606.8	6657.2	6752.0	6835.0	6894.2	6840.9	6749.0	6675.0	6589.0	6586.1
30°	6852.7	6873.5	6932.7	7033.5	7089.7	7128.3	7092.7	7021.6	6932.7	6835.0	6835.0
32.5°	7196.4	7223.1	7288.2	7383.1	7394.9	7400.8	7389.0	7353.4	7288.2	7169.7	7172.7
35°	7631.9	7661.5	7735.6	7812.6	7800.8	7812.6	7794.9	7783.0	7735.6	7599.3	7599.3
37.5°	8165.2	8200.8	8277.8	8337.0	8307.4	8292.6	8295.6	8298.5	8271.9	8120.8	8120.8
40°	8784.4	8831.8	8888.1	8950.3	8900.0	8855.5	8885.1	8908.8	8885.1	8731.1	8731.1
42.5°	9421.4	9489.5	9548.8	9637.7	9596.2	9539.9	9581.4	9608.0	9557.7	9391.8	9403.6
45°	10129.5	10194.7	10271.7	10405.0	10375.4	10316.1	10375.4	10381.3	10295.4	10099.8	10120.6
47.5°	10861.3	10929.4	11045.0	11222.7	11210.9	11145.7	11222.7	11181.2	11071.6	10837.6	10822.7
50°	11554.5	11649.3	11827.1	12076.0	12099.7	12019.7	12123.4	12043.4	11859.7	11566.4	11560.5
52.5°	12206.3	12307.1	12588.5	12926.3	13012.2	12908.5	13047.7	12908.5	12633.0	12256.7	12221.1
55°	12890.7	13003.3	13338.1	13779.5	13951.4	13874.3	14004.7	13794.3	13403.3	12947.0	12884.8
57.5°	13696.6	13764.7	14164.7	14689.1	14979.4	14997.2	15056.4	14700.9	14226.9	13708.4	13637.3
60°	14570.6	14665.4	15100.9	15729.0	16188.2	16336.3	16274.1	15746.8	15195.7	14600.2	14505.4
62.5°	15690.5	15794.2	16315.6	17068.1	17794.0	18161.4	17918.4	17154.0	16472.6	15758.6	15634.2
65°	16617.8	16733.3	17675.5	19017.6	20338.9	21076.7	20466.3	19059.1	17832.5	16825.2	16659.3
67.5°	15945.3	16087.5	17565.9	20030.8	23316.5	25517.7	23429.0	20333.0	17930.3	16564.5	16360.0
70°	13936.5	14069.9	15794.2	18807.2	24154.9	28978.2	24658.6	19361.3	15850.5	14321.7	14117.3
72.5°	9252.5	9682.1	11427.1	15041.6	21568.5	26815.4	21781.8	14736.5	10600.5	9231.8	8932.5
75°	3069.4	3413.0	4604.0	7797.8	14446.1	20054.5	13752.9	6900.1	3647.1	2625.0	2482.7
77.5°	773.3	891.8	1229.5	2230.9	5762.5	11418.3	5187.7	1822.1	992.5	693.3	619.2
80°	376.3	414.8	592.5	743.6	1442.8	3629.3	1354.0	699.2	468.1	361.4	331.8
82.5°	207.4	210.4	334.8	420.7	536.2	939.2	557.0	408.9	269.6	219.2	219.2
85°	127.4	124.4	177.8	225.2	225.2	334.8	266.6	225.2	154.1	136.3	142.2
87.5°	50.4	50.4	65.2	71.1	62.2	85.9	68.1	74.1	59.3	56.3	59.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)