

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: P956972

Luminaire Tested: **GALN-SB9C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58027 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

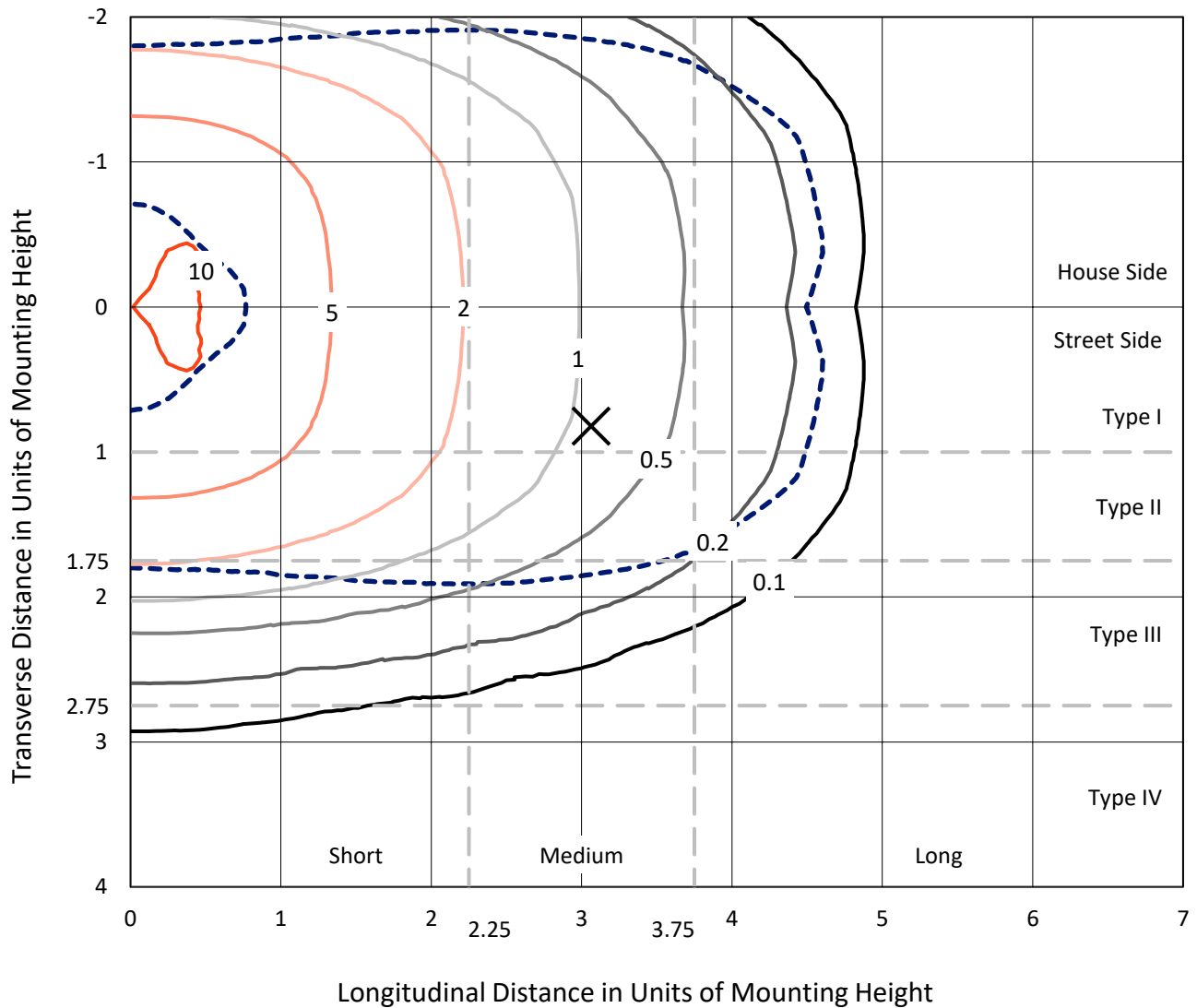
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

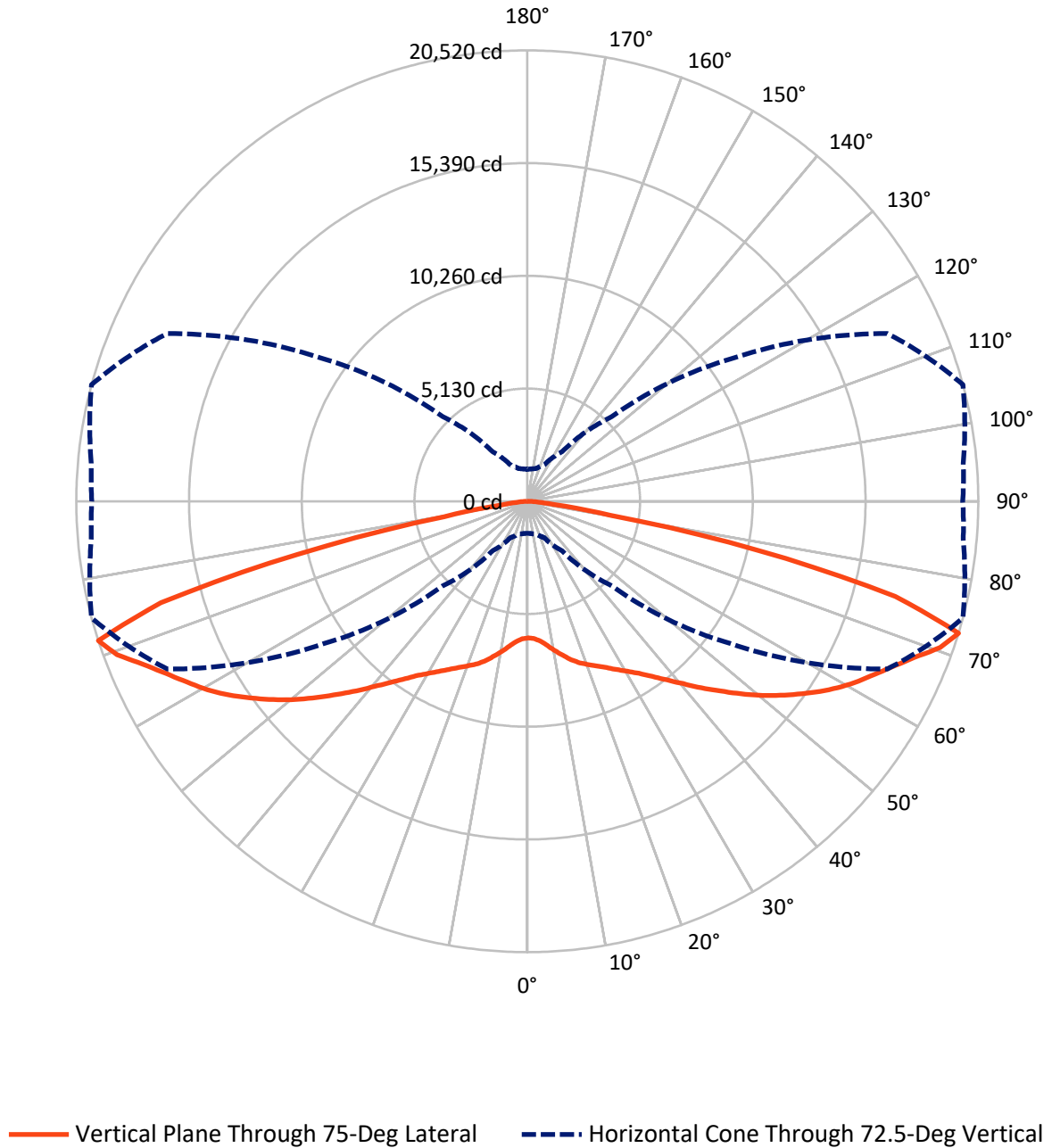
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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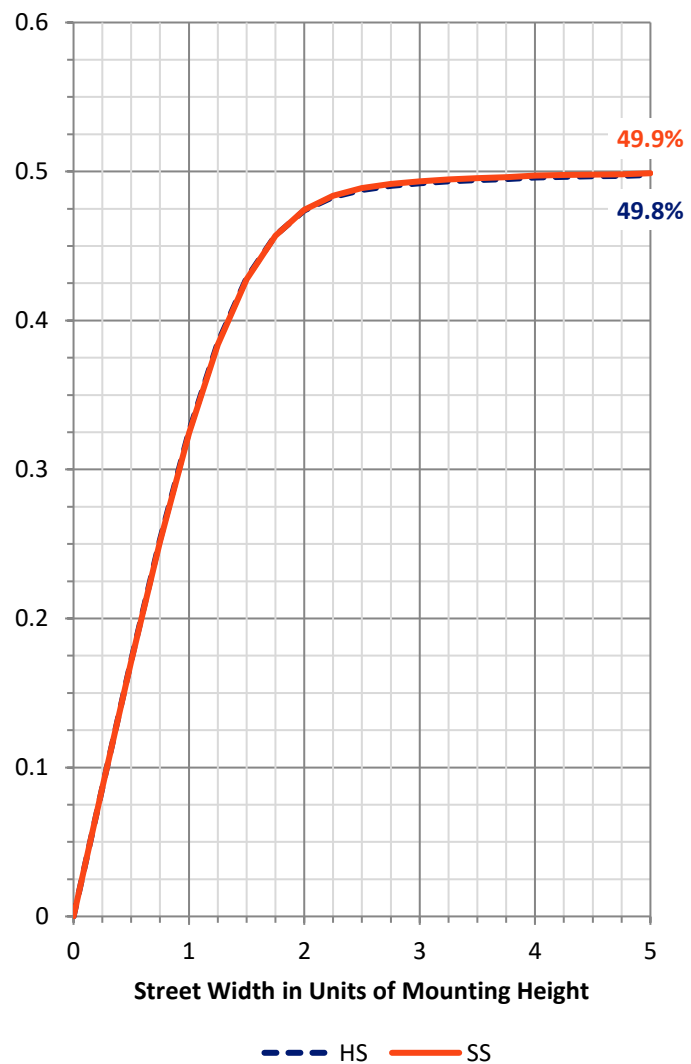
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29013.5	0.0	29013.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29013.5	0.0	29013.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58027.0	0.0	58027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.9	1.0
10°-20°	2008.2	3.5
20°-30°	3880.5	6.7
30°-40°	6552.4	11.3
40°-50°	10391.4	17.9
50°-60°	13912.9	24.0
60°-70°	13240.6	22.8
70°-80°	6909.2	11.9
80°-90°	523.0	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°	58027.0	100.0
0°-180°	58027.0	100.0

Coefficient of Utilization



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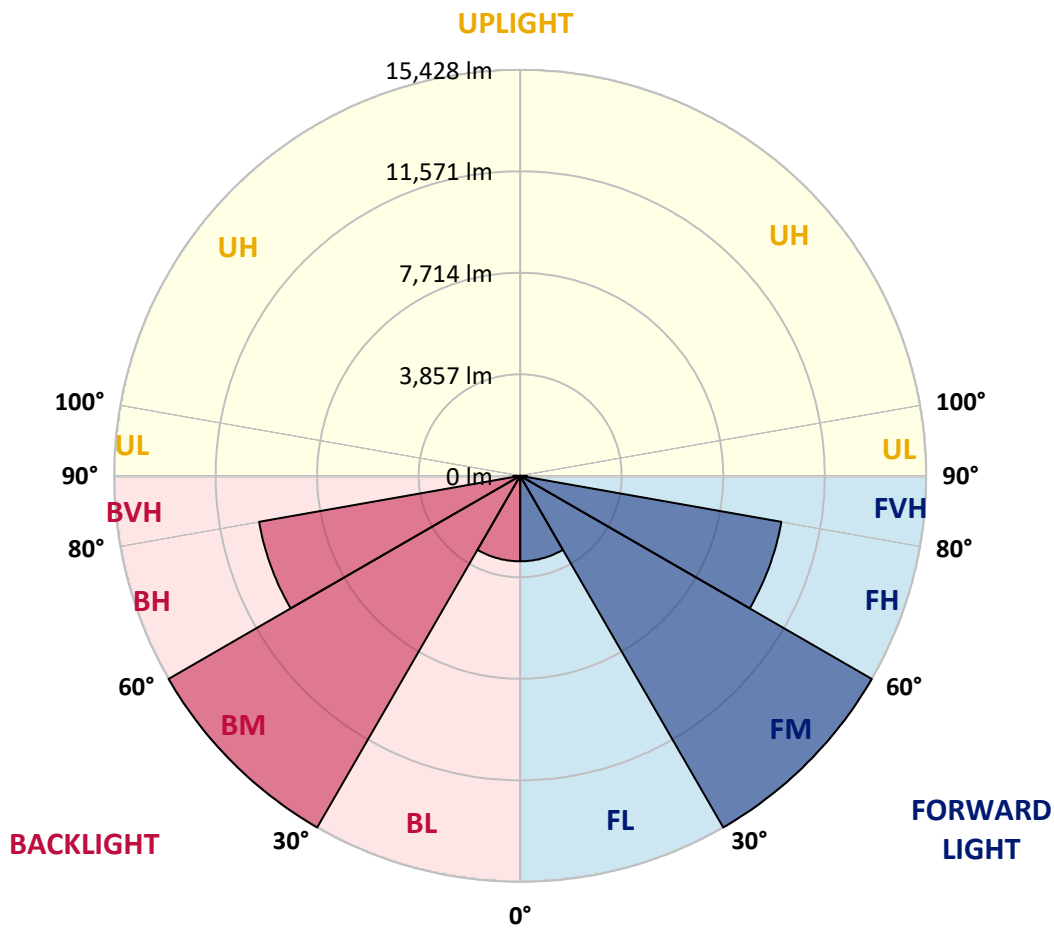
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3248.8	5.6			
FM (30°-60°)	15428.3	26.6			
FH (60°-80°)	10074.9	17.4			G4/12000
FVH (80°-90°)	261.5	0.5			G3/500
BL (0°-30°)	3248.8	5.6	B4/5000		
BM (30°-60°)	15428.3	26.6	B5		
BH (60°-80°)	10074.9	17.4	B5		G5
BVH (80°-90°)	261.5	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6215.7	6215.7	6215.7	6215.7	6215.7	6215.7	6215.7	6215.7	6215.7	6215.7	6215.7
2.5°	6215.7	6209.8	6215.7	6221.7	6218.7	6218.7	6233.5	6242.4	6260.2	6257.2	6254.2
5°	6174.3	6171.3	6195.0	6221.7	6242.4	6277.9	6322.4	6355.0	6396.5	6405.3	6405.3
7.5°	6153.5	6144.6	6186.1	6233.5	6298.7	6387.6	6473.5	6562.4	6633.5	6657.2	6663.1
10°	6168.3	6171.3	6227.6	6316.5	6420.2	6544.6	6666.1	6817.2	6917.9	6941.6	6965.3
12.5°	6236.5	6230.5	6325.4	6467.6	6609.8	6766.8	6909.0	7074.9	7184.5	7240.8	7264.5
15°	6360.9	6349.1	6482.4	6692.7	6900.1	7083.8	7199.3	7356.4	7483.8	7554.9	7581.5
17.5°	6509.0	6515.0	6689.8	6962.3	7234.9	7442.3	7551.9	7631.9	7729.7	7791.9	7821.5
20°	6769.8	6781.6	6977.1	7300.1	7611.2	7848.2	7937.1	7907.4	7934.1	7981.5	8017.0
22.5°	7119.4	7125.3	7344.5	7694.1	8020.0	8280.7	8340.0	8218.5	8144.4	8177.0	8200.7
25°	7525.2	7563.8	7783.0	8141.5	8476.3	8725.1	8751.8	8568.1	8384.4	8393.3	8408.1
27.5°	8020.0	8055.6	8277.8	8633.3	8974.0	9190.3	9187.3	8941.4	8671.8	8603.7	8624.4
30°	8556.3	8594.8	8822.9	9190.3	9507.3	9696.9	9655.4	9362.1	8977.0	8849.6	8864.4
32.5°	9193.2	9216.9	9448.0	9815.4	10108.7	10259.8	10173.9	9812.4	9332.5	9187.3	9222.9
35°	9963.5	9999.1	10170.9	10517.6	10775.3	10899.7	10754.6	10327.9	9788.7	9625.8	9649.5
37.5°	10843.5	10819.8	11015.3	11323.4	11536.7	11613.8	11415.3	10908.6	10310.2	10117.6	10153.1
40°	11761.9	11750.0	11963.4	12259.6	12375.2	12422.6	12129.3	11575.2	10911.6	10704.2	10772.4
42.5°	12594.4	12585.5	12872.9	13201.8	13341.0	13287.7	12917.3	12283.3	11607.8	11370.8	11430.1
45°	13261.0	13249.2	13601.7	14063.9	14336.5	14247.6	13749.9	13065.5	12313.0	12067.0	12123.3
47.5°	13773.6	13779.5	14158.7	14730.5	15207.5	15240.1	14600.2	13862.4	13089.2	12810.7	12893.6
50°	14143.9	14161.7	14567.6	15201.6	15853.4	16140.8	15468.2	14680.1	13892.1	13578.0	13672.8
52.5°	14235.7	14268.3	14757.2	15500.8	16268.1	16816.2	16351.1	15465.3	14653.5	14354.2	14431.3
55°	13746.9	13812.1	14431.3	15477.1	16522.9	17260.7	17127.3	16262.2	15420.8	15112.7	15198.6
57.5°	12624.0	12715.9	13438.8	14804.6	16466.6	17565.8	17728.8	17026.6	16188.2	15891.9	15960.0
60°	11050.8	11160.5	11853.7	13344.0	15672.6	17678.4	18152.4	17770.2	16893.3	16605.9	16668.1
62.5°	8677.7	8819.9	9649.5	11397.5	13995.8	17154.0	18513.9	18442.8	17527.3	17168.8	17210.3
65°	5566.9	5718.0	6592.0	8657.0	11758.9	15548.2	18626.5	19097.5	18196.9	17696.2	17758.4
67.5°	3356.7	3424.9	3857.4	5246.9	8594.8	13127.7	17672.5	19823.4	18979.0	18356.8	18404.3
70°	2148.0	2186.5	2444.2	3081.2	4858.8	9578.4	15308.2	19959.7	19927.1	19035.3	19029.4
72.5°	1457.6	1469.5	1537.6	1825.0	2749.4	5442.5	11290.8	18069.5	20519.6	19909.3	19814.5
75°	1066.6	1131.7	1241.4	1291.7	1561.3	2719.8	6470.5	12695.1	17293.2	17559.9	16914.0
77.5°	794.0	797.0	948.1	1007.3	1114.0	1448.8	2737.5	7086.8	10736.8	11273.0	10055.4
80°	672.5	637.0	634.0	811.8	838.4	903.6	1223.6	2447.2	3845.6	2331.6	1762.8
82.5°	559.9	521.4	471.1	634.0	571.8	554.0	530.3	995.5	1223.6	601.4	512.5
85°	391.1	373.3	355.5	414.8	325.9	278.5	254.8	465.1	515.5	254.8	225.2
87.5°	168.9	174.8	177.8	183.7	136.3	97.8	97.8	130.4	130.4	100.7	74.1
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)