

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: P944493

Luminaire Tested: **GALN-SB9C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55745 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - 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



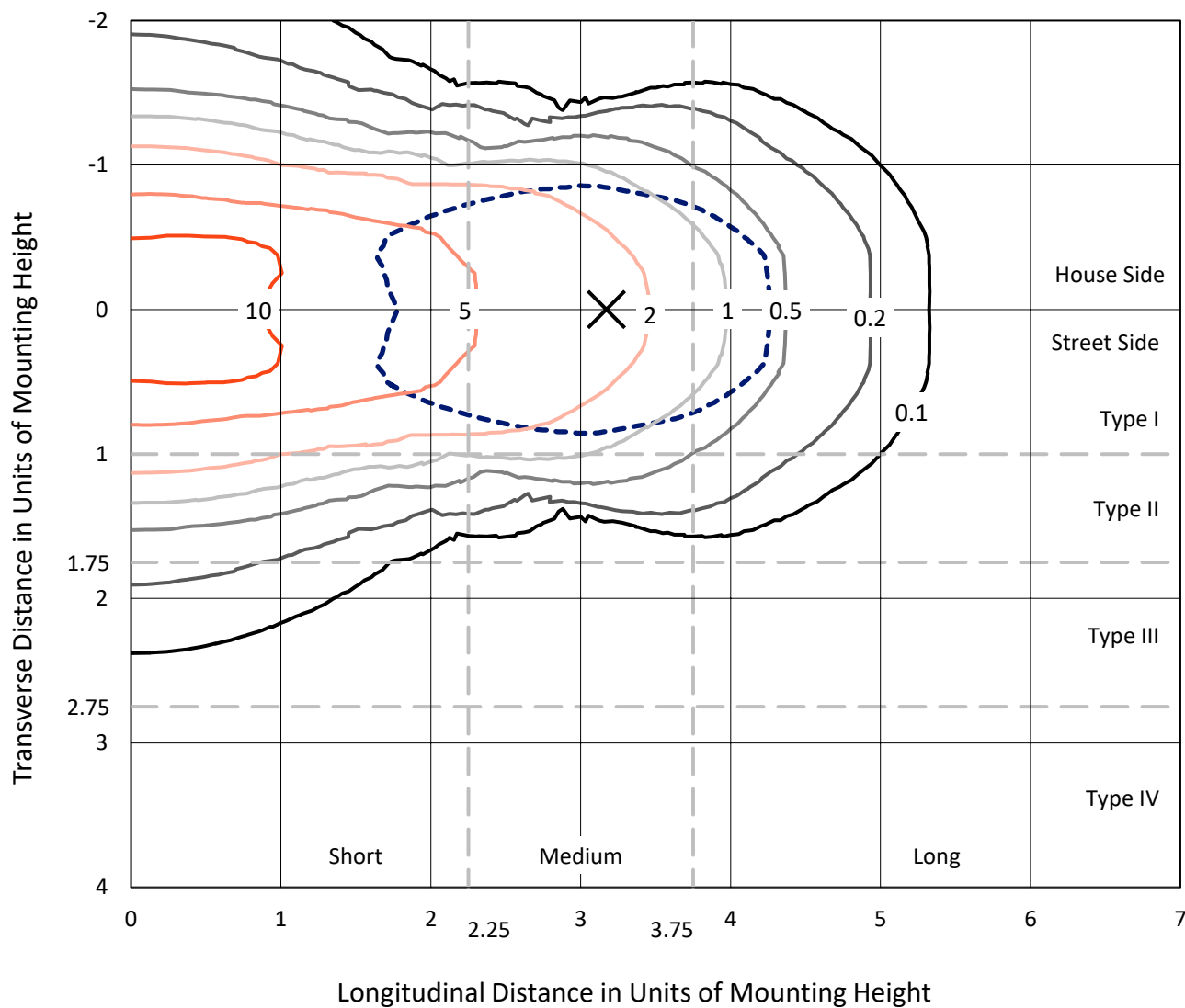
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Iso-Footcandle Lines of Horizontal Illumination

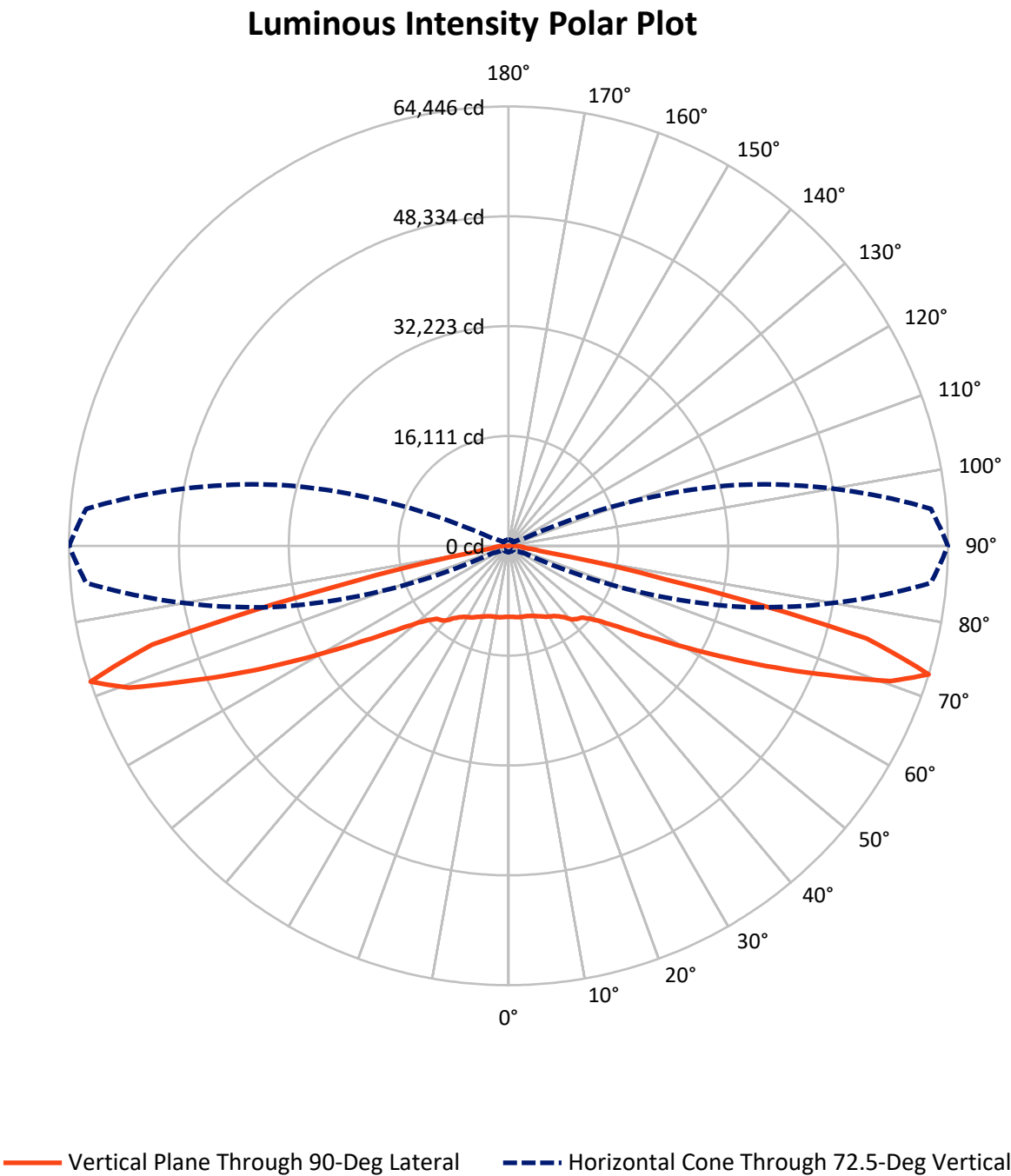
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27872.5	0.0	27872.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27872.5	0.0	27872.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55745.0	0.0	55745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1010.0	1.8
10°-20°	3088.2	5.5
20°-30°	5149.3	9.2
30°-40°	7081.9	12.7
40°-50°	8648.9	15.5
50°-60°	10003.4	17.9
60°-70°	11927.4	21.4
70°-80°	8324.5	14.9
80°-90°	511.3	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°	55745.0	100.0
0°-180°	55745.0	100.0

Coefficient of Utilization



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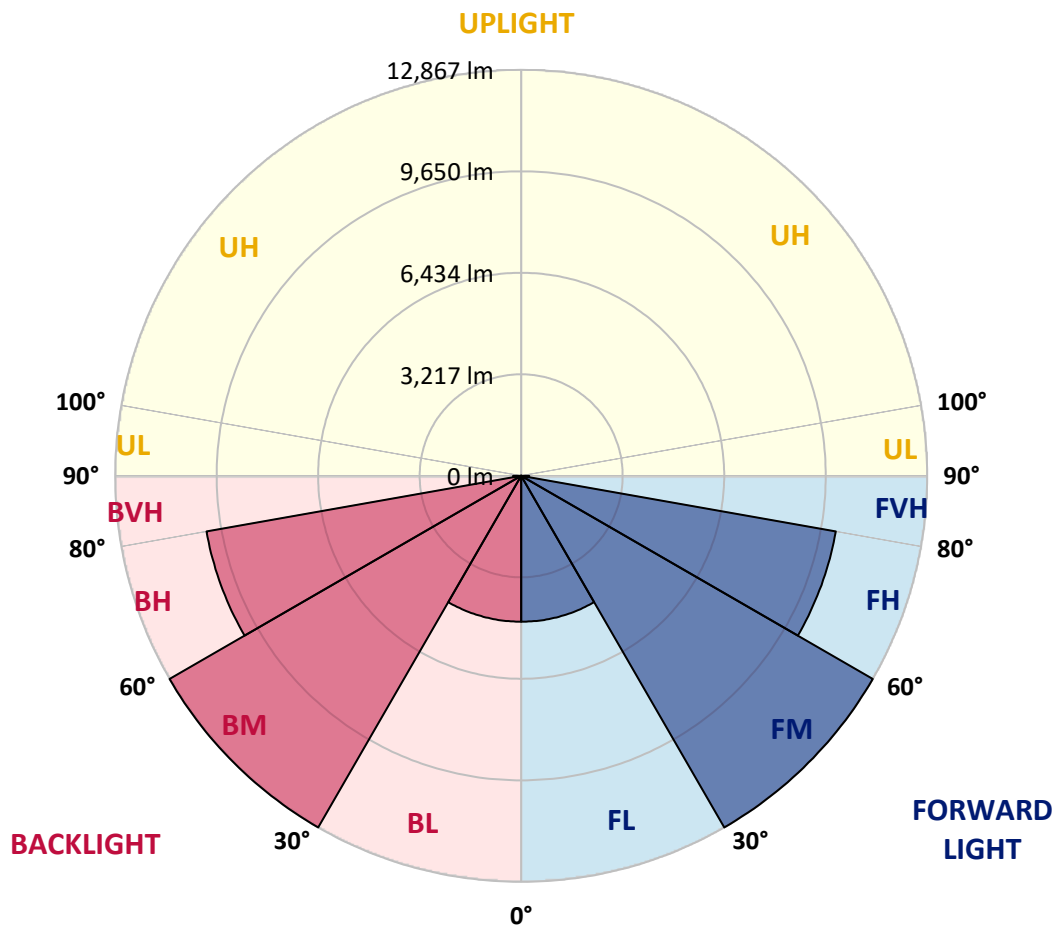
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4623.8	8.3			
FM	(30°-60°)	12867.1	23.1			
FH	(60°-80°)	10126.0	18.2			G4/12000
FVH	(80°-90°)	255.6	0.5			G3/500
BL	(0°-30°)	4623.8	8.3	B4/5000		
BM	(30°-60°)	12867.1	23.1	B5		
BH	(60°-80°)	10126.0	18.2	B5		G5
BVH	(80°-90°)	255.6	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10416.5	10416.5	10416.5	10416.5	10416.5	10416.5	10416.5	10416.5	10416.5	10416.5	10416.5
2.5°	10425.4	10437.3	10437.3	10428.4	10449.1	10431.4	10431.4	10422.5	10431.4	10422.5	10422.5
5°	10478.8	10493.6	10499.5	10496.5	10523.2	10508.4	10508.4	10496.5	10499.5	10490.6	10490.6
7.5°	10579.5	10600.2	10612.1	10626.9	10665.4	10647.6	10635.8	10600.2	10585.4	10561.7	10561.7
10°	10612.1	10635.8	10674.3	10751.3	10840.2	10843.2	10807.6	10718.7	10650.6	10597.3	10588.4
12.5°	10511.3	10543.9	10623.9	10780.9	10979.4	11059.4	11003.1	10855.0	10721.7	10626.9	10612.1
15°	10384.0	10419.5	10541.0	10778.0	11071.3	11257.9	11252.0	11056.5	10843.2	10695.0	10671.3
17.5°	10185.5	10221.0	10395.8	10727.6	11142.4	11450.5	11533.4	11332.0	11032.8	10834.3	10801.7
20°	9827.0	9859.6	10102.5	10567.6	11166.1	11654.9	11871.2	11693.4	11320.1	11050.5	11000.2
22.5°	9361.9	9412.2	9696.6	10292.1	11109.8	11868.2	12256.3	12134.9	11654.9	11281.6	11213.5
25°	8864.1	8917.5	9249.3	9954.4	10964.6	12022.3	12712.6	12635.5	12034.1	11569.0	11474.2
27.5°	8434.6	8490.8	8852.3	9619.6	10739.5	12081.5	13162.9	13201.4	12493.3	11886.0	11785.3
30°	8096.8	8150.1	8535.3	9350.0	10449.1	12022.3	13556.9	13823.5	12961.4	12161.5	12016.4
32.5°	7726.5	7794.6	8200.5	9021.2	10105.5	11880.1	13900.6	14496.1	13503.6	12457.8	12274.1
35°	7258.4	7320.6	7747.2	8570.8	9655.2	11652.0	14187.9	15242.6	14279.8	12908.1	12703.7
37.5°	6689.6	6748.8	7172.5	8007.9	9207.8	11332.0	14407.2	16084.0	15204.1	13556.9	13284.3
40°	6117.8	6174.1	6571.1	7379.9	8671.6	10923.1	14484.2	16907.6	16264.7	14448.7	14158.3
42.5°	5593.4	5643.8	6008.2	6760.7	8070.2	10401.7	14383.5	17624.6	17215.7	15070.8	14697.5
45°	5110.5	5154.9	5477.9	6180.0	7445.0	9767.7	14081.3	18394.9	18347.5	15515.2	15011.6
47.5°	4559.5	4603.9	4938.7	5617.1	6819.9	9024.1	13568.8	19153.3	19920.6	16522.5	15941.8
50°	3886.9	3925.5	4269.1	4968.3	6171.1	8233.1	12857.7	19748.8	21905.5	18048.2	17319.4
52.5°	3090.0	3131.5	3466.3	4165.4	5400.8	7382.8	11921.5	20136.9	24198.6	20276.1	19378.4
55°	2299.0	2328.6	2618.9	3247.0	4446.9	6414.1	10748.4	20246.5	26799.8	23321.7	22198.8
57.5°	1668.0	1685.7	1872.4	2340.5	3371.5	5202.3	9323.3	19962.1	29895.7	27226.4	25813.2
60°	1351.0	1356.9	1413.2	1620.5	2343.4	3833.6	7602.1	18984.4	33255.3	32259.9	30479.3
62.5°	1226.5	1226.5	1241.3	1297.6	1585.0	2530.1	5519.3	16958.0	36857.8	38620.6	36235.7
65°	1140.6	1140.6	1146.5	1173.2	1250.2	1611.7	3484.0	13657.6	39894.5	46071.6	43055.6
67.5°	1063.6	1066.5	1063.6	1072.5	1116.9	1191.0	2020.5	9433.0	41529.9	53792.1	50536.2
70°	983.6	989.5	974.7	974.7	1010.3	1013.2	1265.0	5172.7	40173.0	60262.5	59406.3
72.5°	888.8	897.7	874.0	868.0	894.7	882.9	951.0	2482.7	34490.7	62194.1	64445.7
75°	805.8	817.7	764.4	749.5	749.5	740.7	773.2	1273.9	22385.5	50734.7	54266.2
77.5°	731.8	755.5	669.6	622.1	610.3	583.6	631.0	779.2	9791.4	23819.4	23324.6
80°	604.4	637.0	551.0	494.8	474.0	444.4	497.7	545.1	2912.2	5531.2	5297.1
82.5°	450.3	465.1	391.1	352.6	334.8	314.0	373.3	379.2	948.0	1958.3	2213.1
85°	287.4	293.3	240.0	207.4	198.5	189.6	237.0	207.4	361.4	1439.8	2091.6
87.5°	100.7	115.5	91.8	83.0	88.9	74.1	109.6	62.2	100.7	1016.2	1259.1
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)