

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: P945544

Luminaire Tested: **GALN-SB1C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945544
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-SB1C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6481 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 54.4
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



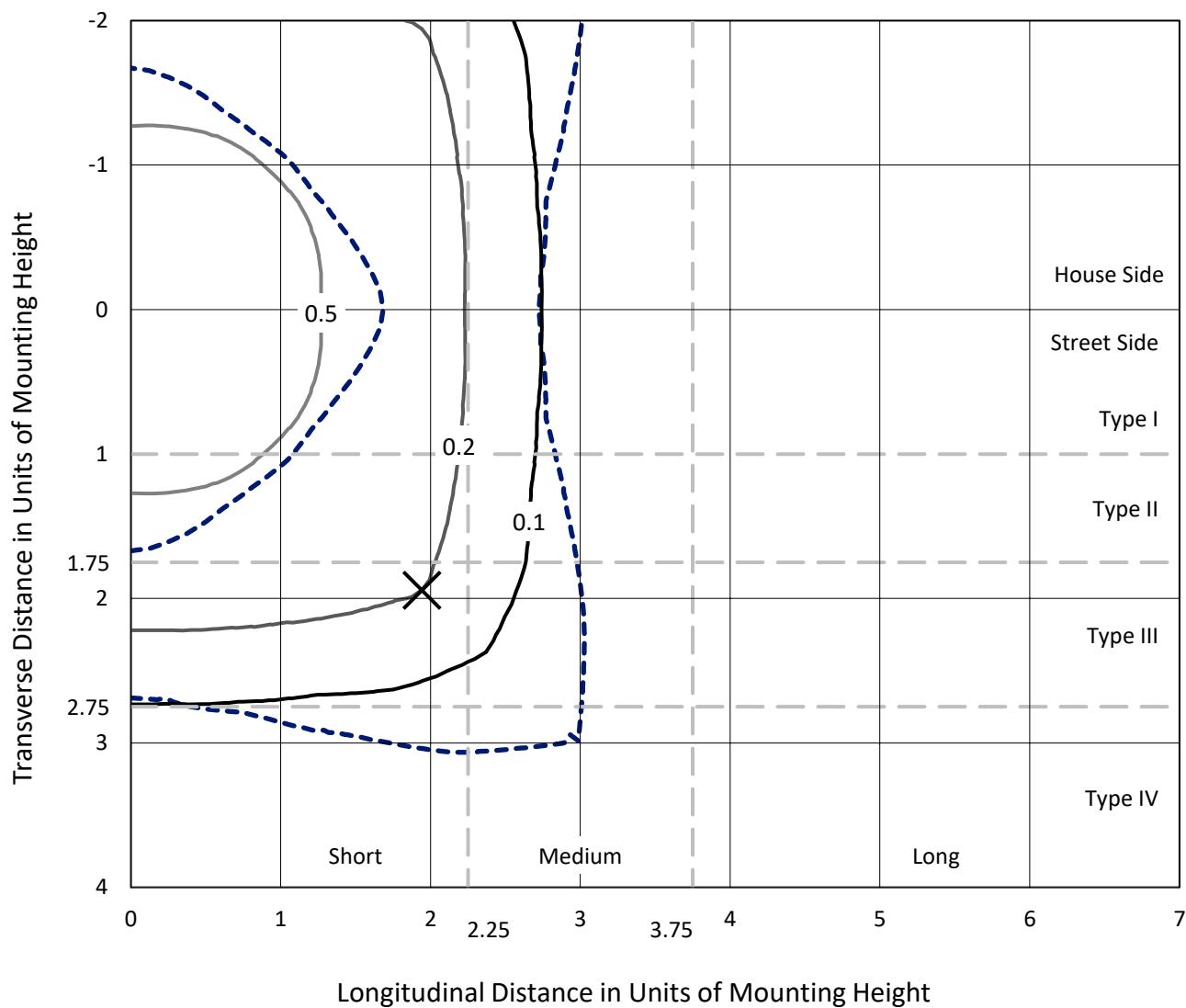
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

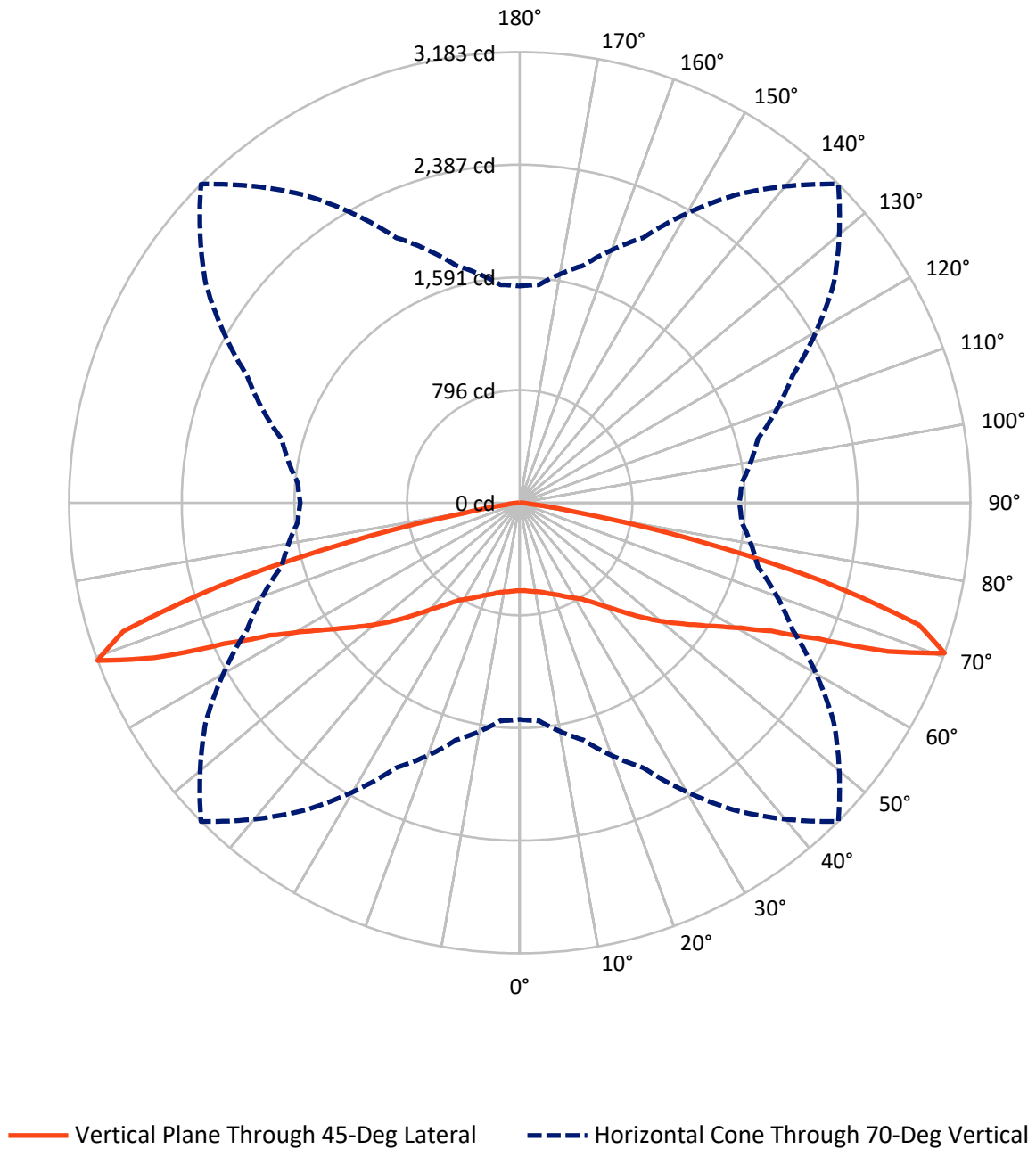


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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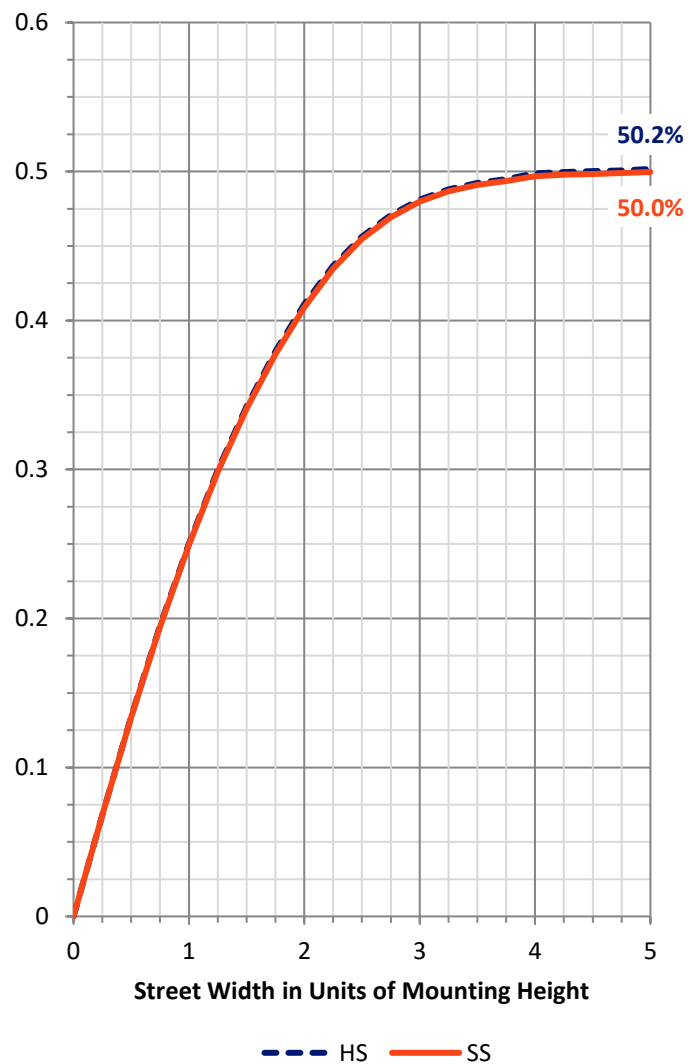
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3240.5	0.0	3240.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3240.5	0.0	3240.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6481.0	0.0	6481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	0.9
10°-20°	187.0	2.9
20°-30°	334.2	5.2
30°-40°	541.8	8.4
40°-50°	882.5	13.6
50°-60°	1345.5	20.8
60°-70°	2001.6	30.9
70°-80°	1091.0	16.8
80°-90°	37.2	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°	6481.0	100.0
0°-180°	6481.0	100.0

Coefficient of Utilization



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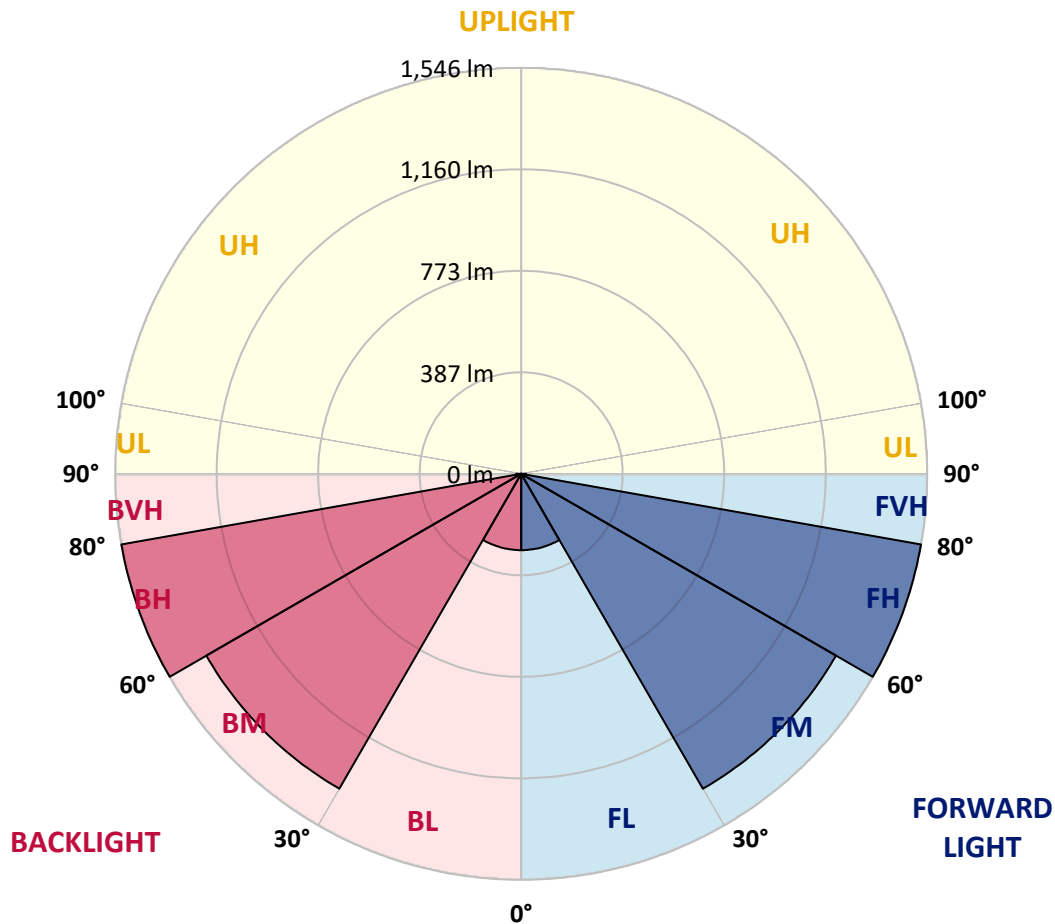
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.8	4.5			
FM	(30°-60°)	1384.9	21.4			
FH	(60°-80°)	1546.3	23.9			G1/1800
FVH	(80°-90°)	18.6	0.3			G1/100
BL	(0°-30°)	290.8	4.5	B1/500		
BM	(30°-60°)	1384.9	21.4	B2/2500		
BH	(60°-80°)	1546.3	23.9	B3/2500		G1/1800
BVH	(80°-90°)	18.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	620.8	620.8	620.8	620.8	620.8	620.8	620.8	620.8	620.8	620.8	620.8
2.5°	623.7	624.4	623.1	622.4	621.8	620.8	621.1	622.8	624.1	623.7	624.1
5°	628.9	629.6	628.6	628.3	627.0	626.7	626.7	628.3	629.3	628.6	628.9
7.5°	634.8	635.8	634.2	633.8	633.2	632.5	632.2	633.8	634.8	634.8	634.8
10°	640.3	641.3	640.0	639.0	638.4	638.4	637.7	639.0	640.7	640.3	640.3
12.5°	646.2	646.8	645.5	644.9	644.9	645.9	644.9	645.5	646.8	646.2	645.9
15°	653.4	653.7	653.4	654.3	656.0	659.2	656.3	655.6	656.3	654.7	654.7
17.5°	663.1	663.8	665.1	667.3	669.6	675.5	670.3	668.6	668.6	665.4	665.4
20°	675.2	676.1	678.1	682.0	684.9	690.4	685.2	683.0	682.0	677.8	677.8
22.5°	687.8	689.5	692.4	697.6	702.8	708.0	702.8	698.9	696.0	690.4	690.1
25°	702.5	704.4	709.0	717.4	724.6	732.1	725.9	718.1	712.2	704.4	704.1
27.5°	723.3	725.6	731.1	741.5	750.6	757.1	751.3	741.2	733.1	723.6	723.3
30°	752.6	754.9	761.4	772.4	778.6	782.8	778.9	771.1	761.4	750.6	750.6
32.5°	790.3	793.3	800.4	810.8	812.1	812.8	811.5	807.6	800.4	787.4	787.7
35°	838.2	841.4	849.6	858.0	856.7	858.0	856.1	854.8	849.6	834.6	834.6
37.5°	896.7	900.6	909.1	915.6	912.3	910.7	911.0	911.4	908.4	891.8	891.8
40°	964.7	969.9	976.1	983.0	977.4	972.5	975.8	978.4	975.8	958.9	958.9
42.5°	1034.7	1042.2	1048.7	1058.4	1053.9	1047.7	1052.3	1055.2	1049.7	1031.4	1032.7
45°	1112.5	1119.6	1128.1	1142.7	1139.5	1133.0	1139.5	1140.1	1130.7	1109.2	1111.5
47.5°	1192.8	1200.3	1213.0	1232.5	1231.2	1224.1	1232.5	1228.0	1215.9	1190.2	1188.6
50°	1269.0	1279.4	1298.9	1326.2	1328.8	1320.0	1331.4	1322.6	1302.5	1270.3	1269.6
52.5°	1340.5	1351.6	1382.5	1419.6	1429.0	1417.7	1432.9	1417.7	1387.4	1346.1	1342.2
55°	1415.7	1428.1	1464.8	1513.3	1532.2	1523.7	1538.0	1514.9	1472.0	1421.9	1415.0
57.5°	1504.2	1511.7	1555.6	1613.2	1645.1	1647.0	1653.5	1614.5	1562.4	1505.5	1497.7
60°	1600.2	1610.6	1658.4	1727.4	1777.8	1794.1	1787.3	1729.4	1668.8	1603.4	1593.0
62.5°	1723.2	1734.6	1791.8	1874.5	1954.2	1994.5	1967.9	1883.9	1809.1	1730.7	1717.0
65°	1825.0	1837.7	1941.2	2088.6	2233.7	2314.7	2247.7	2093.1	1958.4	1847.8	1829.6
67.5°	1751.2	1766.8	1929.1	2199.9	2560.7	2802.4	2573.1	2233.0	1969.2	1819.2	1796.7
70°	1530.6	1545.2	1734.6	2065.5	2652.8	3182.5	2708.1	2126.3	1740.7	1572.9	1550.4
72.5°	1016.1	1063.3	1255.0	1651.9	2368.7	2945.0	2392.1	1618.4	1164.2	1013.9	981.0
75°	337.1	374.8	505.6	856.4	1586.5	2202.5	1510.4	757.8	400.5	288.3	272.7
77.5°	84.9	97.9	135.0	245.0	632.9	1254.0	569.7	200.1	109.0	76.1	68.0
80°	41.3	45.6	65.1	81.7	158.5	398.6	148.7	76.8	51.4	39.7	36.4
82.5°	22.8	23.1	36.8	46.2	58.9	103.1	61.2	44.9	29.6	24.1	24.1
85°	14.0	13.7	19.5	24.7	24.7	36.8	29.3	24.7	16.9	15.0	15.6
87.5°	5.5	5.5	7.2	7.8	6.8	9.4	7.5	8.1	6.5	6.2	6.5
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)