

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: P945548

Luminaire Tested: **GALN-SB1C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945548
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-SB1C-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6373 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

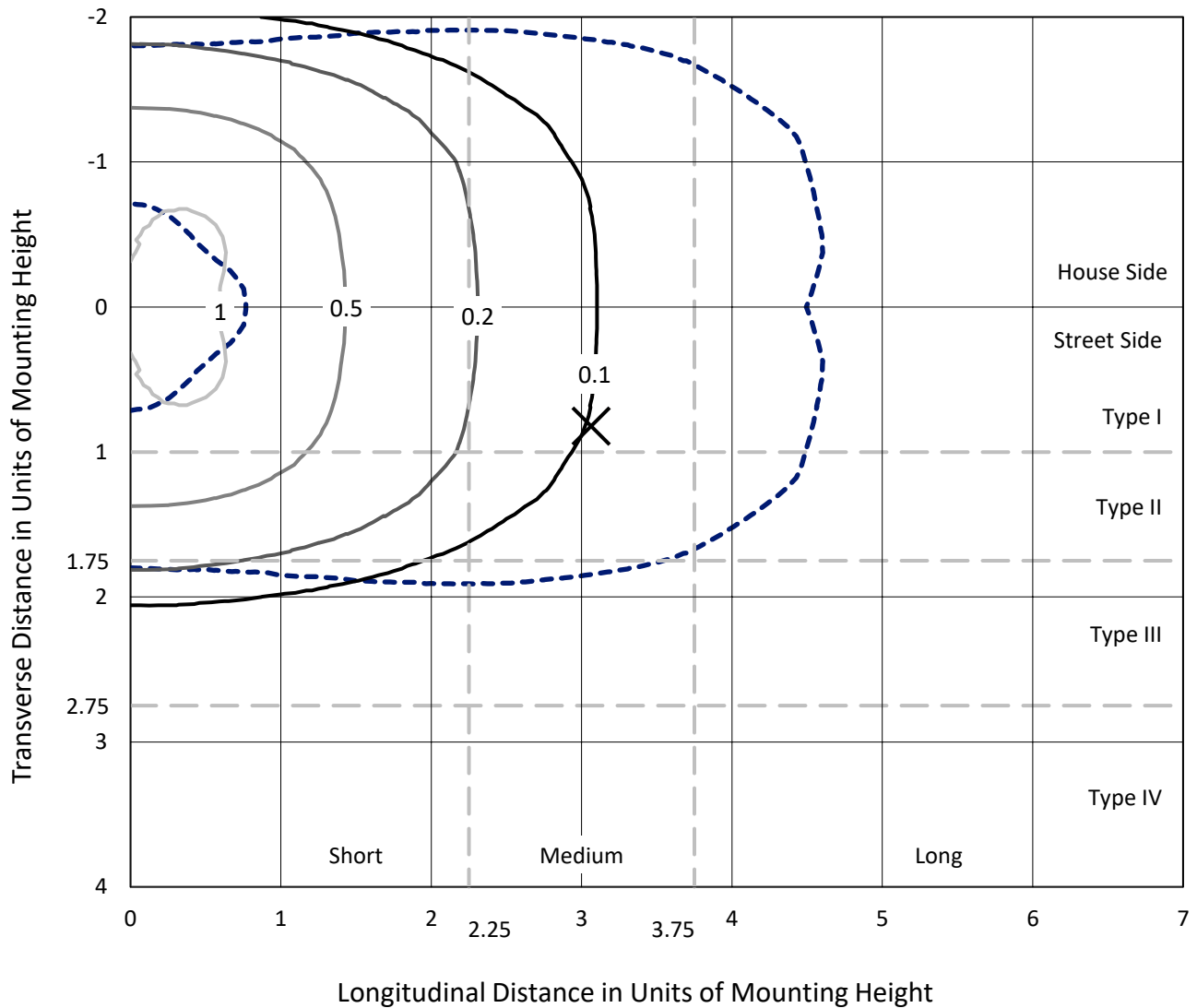
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

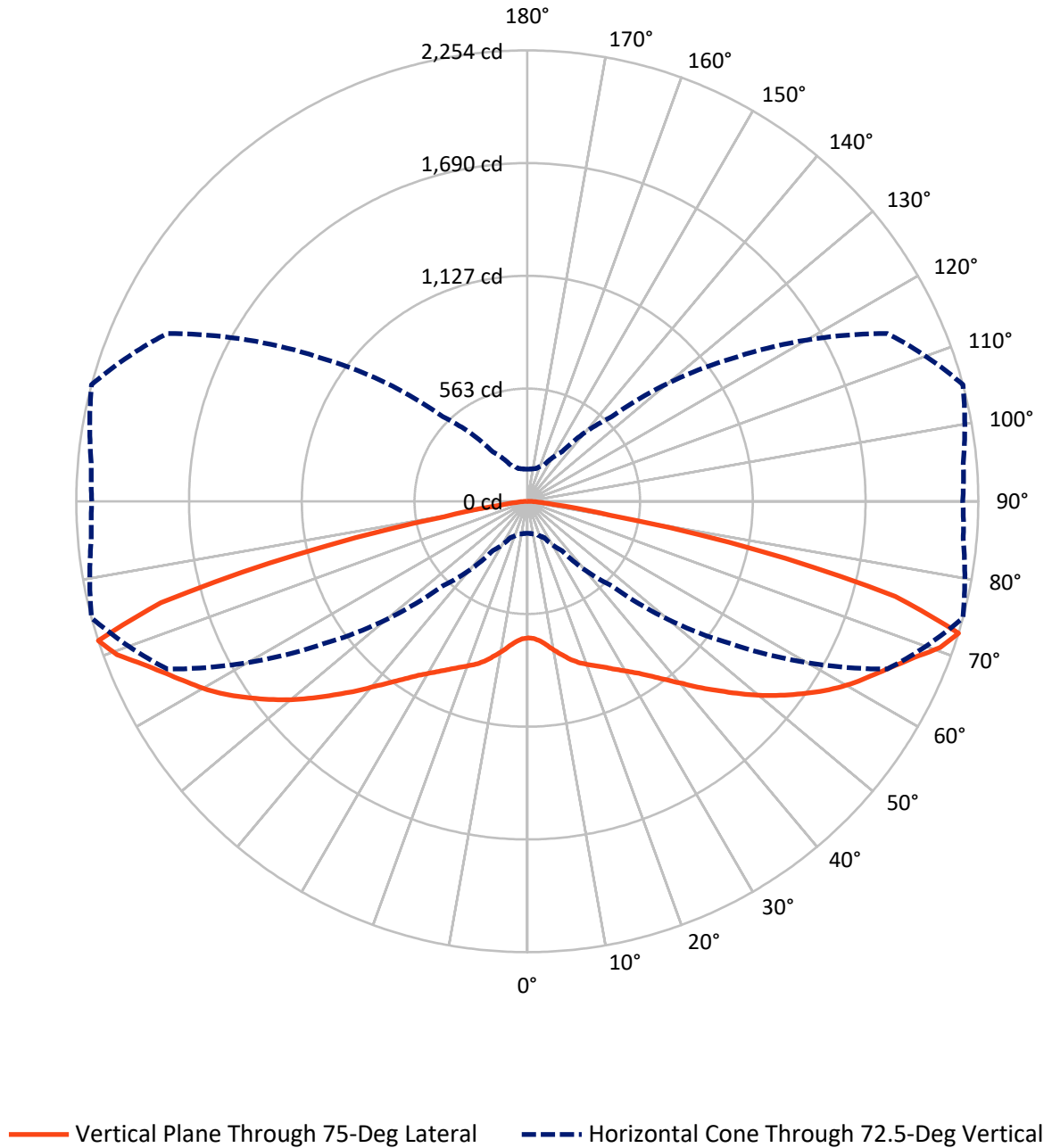
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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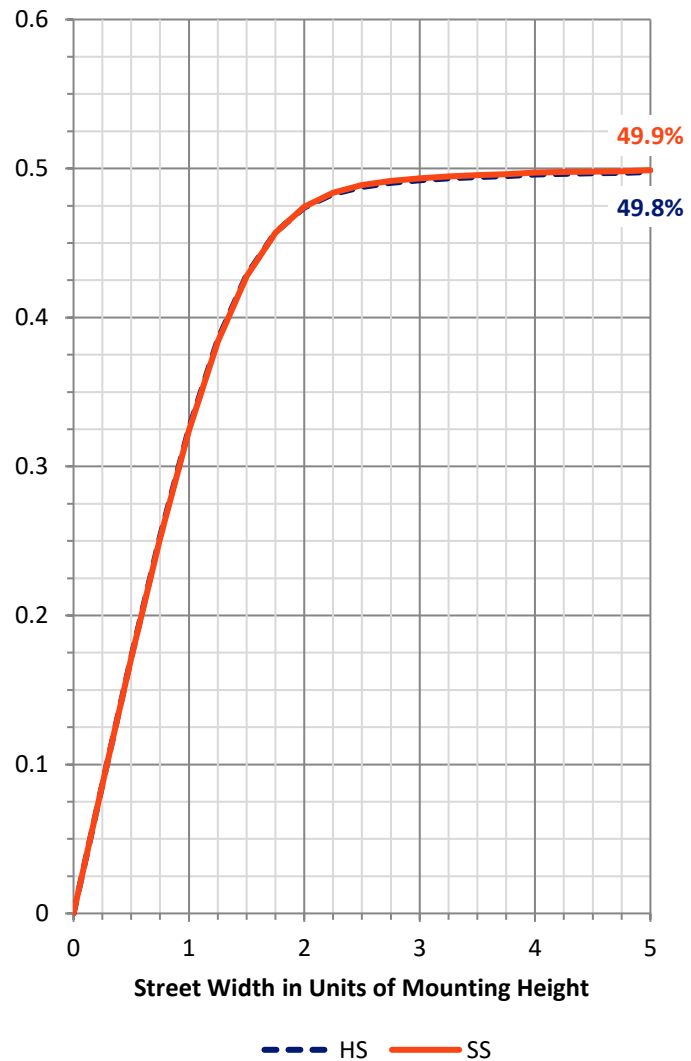
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3186.5	0.0	3186.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3186.5	0.0	3186.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6373.0	0.0	6373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.0
10°-20°	220.6	3.5
20°-30°	426.2	6.7
30°-40°	719.6	11.3
40°-50°	1141.3	17.9
50°-60°	1528.0	24.0
60°-70°	1454.2	22.8
70°-80°	758.8	11.9
80°-90°	57.4	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°	6373.0	100.0
0°-180°	6373.0	100.0

Coefficient of Utilization



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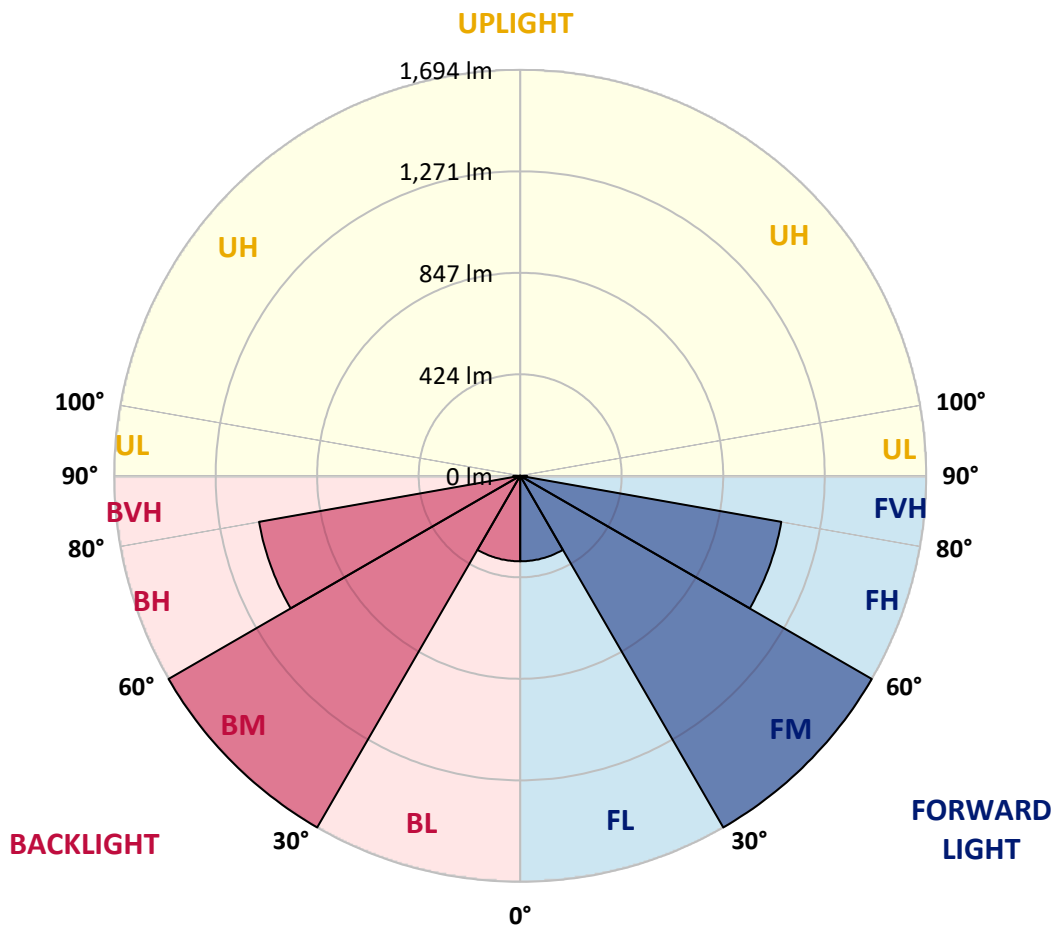
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.8	5.6			
FM (30°-60°)	1694.5	26.6			
FH (60°-80°)	1106.5	17.4			G1/1800
FVH (80°-90°)	28.7	0.5			G1/100
BL (0°-30°)	356.8	5.6	B1/500		
BM (30°-60°)	1694.5	26.6	B2/2500		
BH (60°-80°)	1106.5	17.4	B3/2500		G3/2500
BVH (80°-90°)	28.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	682.7	682.7	682.7	682.7	682.7	682.7	682.7	682.7	682.7	682.7	682.7
2.5°	682.7	682.0	682.7	683.3	683.0	683.0	684.6	685.6	687.5	687.2	686.9
5°	678.1	677.8	680.4	683.3	685.6	689.5	694.4	698.0	702.5	703.5	703.5
7.5°	675.8	674.9	679.4	684.6	691.8	701.5	711.0	720.7	728.5	731.1	731.8
10°	677.5	677.8	684.0	693.7	705.1	718.8	732.1	748.7	759.8	762.4	765.0
12.5°	684.9	684.3	694.7	710.3	725.9	743.2	758.8	777.0	789.1	795.2	797.8
15°	698.6	697.3	711.9	735.0	757.8	778.0	790.7	807.9	821.9	829.7	832.7
17.5°	714.9	715.5	734.7	764.7	794.6	817.4	829.4	838.2	848.9	855.8	859.0
20°	743.5	744.8	766.3	801.8	835.9	862.0	871.7	868.5	871.4	876.6	880.5
22.5°	781.9	782.6	806.6	845.0	880.8	909.5	916.0	902.6	894.5	898.1	900.7
25°	826.5	830.7	854.8	894.2	930.9	958.3	961.2	941.0	920.8	921.8	923.4
27.5°	880.8	884.7	909.1	948.2	985.6	1009.4	1009.0	982.0	952.4	944.9	947.2
30°	939.7	943.9	969.0	1009.4	1044.2	1065.0	1060.4	1028.2	985.9	971.9	973.6
32.5°	1009.7	1012.3	1037.7	1078.0	1110.2	1126.8	1117.4	1077.7	1025.0	1009.0	1012.9
35°	1094.3	1098.2	1117.1	1155.1	1183.4	1197.1	1181.2	1134.3	1075.1	1057.2	1059.8
37.5°	1190.9	1188.3	1209.8	1243.6	1267.1	1275.5	1253.7	1198.1	1132.3	1111.2	1115.1
40°	1291.8	1290.5	1313.9	1346.5	1359.1	1364.3	1332.1	1271.3	1198.4	1175.6	1183.1
42.5°	1383.2	1382.2	1413.8	1449.9	1465.2	1459.4	1418.7	1349.1	1274.9	1248.8	1255.3
45°	1456.4	1455.1	1493.9	1544.6	1574.5	1564.8	1510.1	1435.0	1352.3	1325.3	1331.5
47.5°	1512.7	1513.4	1555.0	1617.8	1670.2	1673.8	1603.5	1522.5	1437.6	1407.0	1416.1
50°	1553.4	1555.4	1599.9	1669.6	1741.1	1772.7	1698.8	1612.3	1525.7	1491.2	1501.7
52.5°	1563.5	1567.1	1620.8	1702.4	1786.7	1846.9	1795.8	1698.5	1609.4	1576.5	1585.0
55°	1509.8	1517.0	1585.0	1699.8	1814.7	1895.7	1881.1	1786.1	1693.6	1659.8	1669.2
57.5°	1386.5	1396.6	1476.0	1626.0	1808.5	1929.2	1947.1	1870.0	1777.9	1745.4	1752.9
60°	1213.7	1225.7	1301.9	1465.5	1721.3	1941.6	1993.6	1951.7	1855.4	1823.8	1830.6
62.5°	953.1	968.7	1059.8	1251.8	1537.1	1884.0	2033.3	2025.5	1925.0	1885.6	1890.2
65°	611.4	628.0	724.0	950.8	1291.5	1707.6	2045.7	2097.4	1998.5	1943.5	1950.4
67.5°	368.7	376.1	423.7	576.3	943.9	1441.8	1940.9	2177.2	2084.4	2016.1	2021.3
70°	235.9	240.1	268.4	338.4	533.6	1052.0	1681.3	2192.1	2188.6	2090.6	2090.0
72.5°	160.1	161.4	168.9	200.4	302.0	597.7	1240.1	1984.5	2253.6	2186.6	2176.2
75°	117.1	124.3	136.3	141.9	171.5	298.7	710.6	1394.3	1899.3	1928.6	1857.6
77.5°	87.2	87.5	104.1	110.6	122.3	159.1	300.7	778.3	1179.2	1238.1	1104.4
80°	73.9	70.0	69.6	89.2	92.1	99.2	134.4	268.8	422.4	256.1	193.6
82.5°	61.5	57.3	51.7	69.6	62.8	60.8	58.2	109.3	134.4	66.1	56.3
85°	43.0	41.0	39.0	45.6	35.8	30.6	28.0	51.1	56.6	28.0	24.7
87.5°	18.5	19.2	19.5	20.2	15.0	10.7	10.7	14.3	14.3	11.1	8.1
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)