

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: P940750

Luminaire Tested: **GALN-SB4A-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15022 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

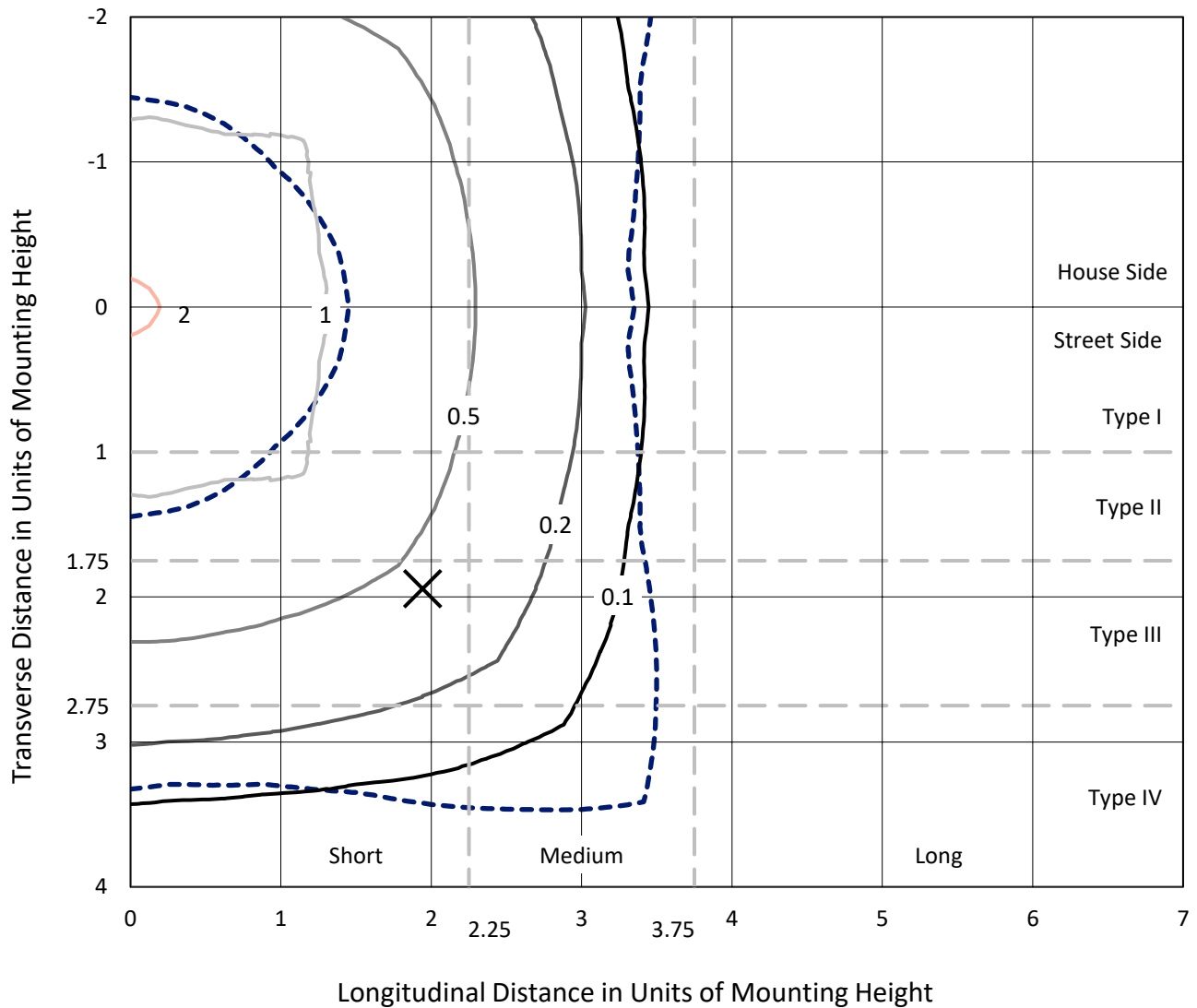
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

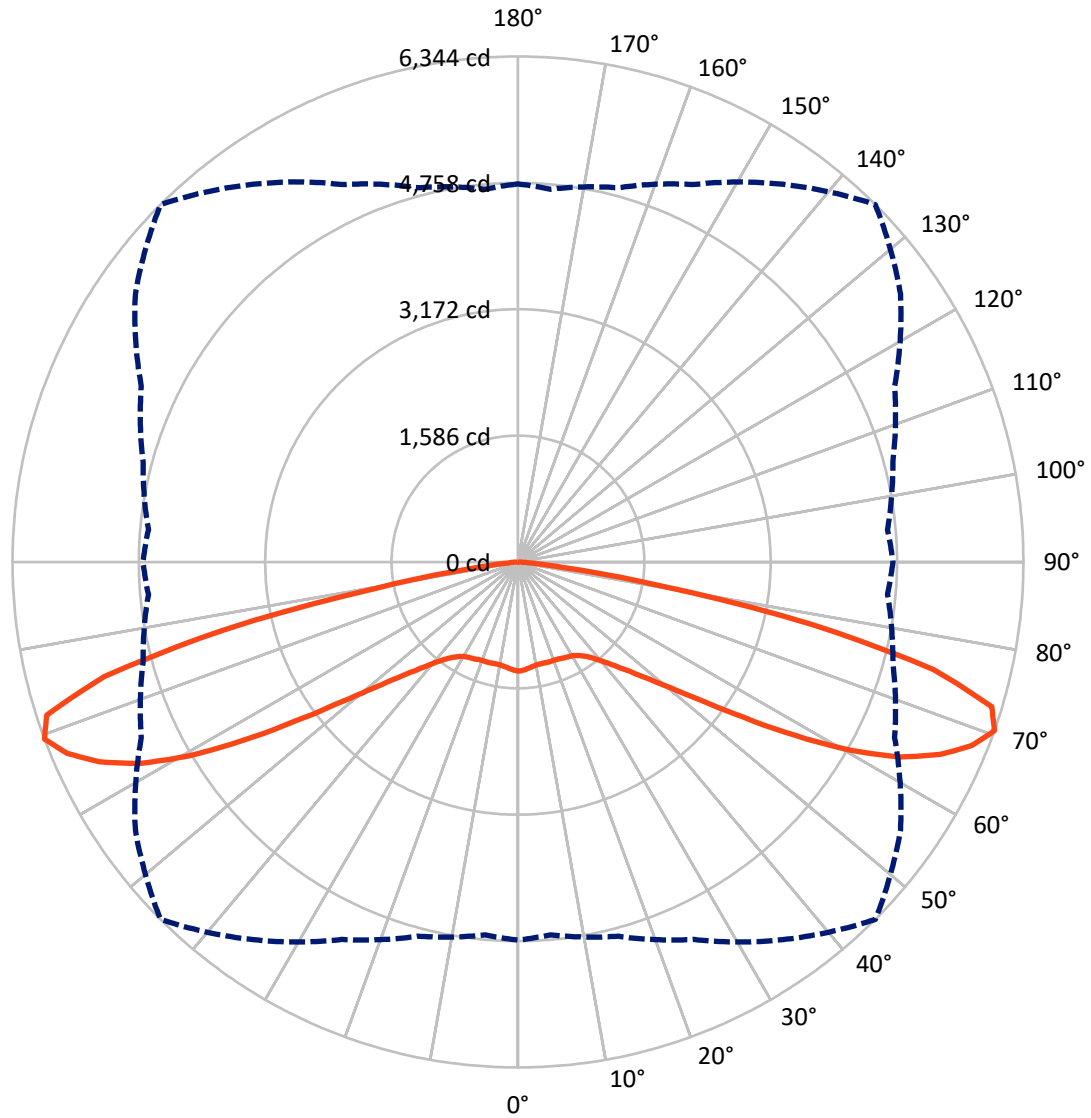
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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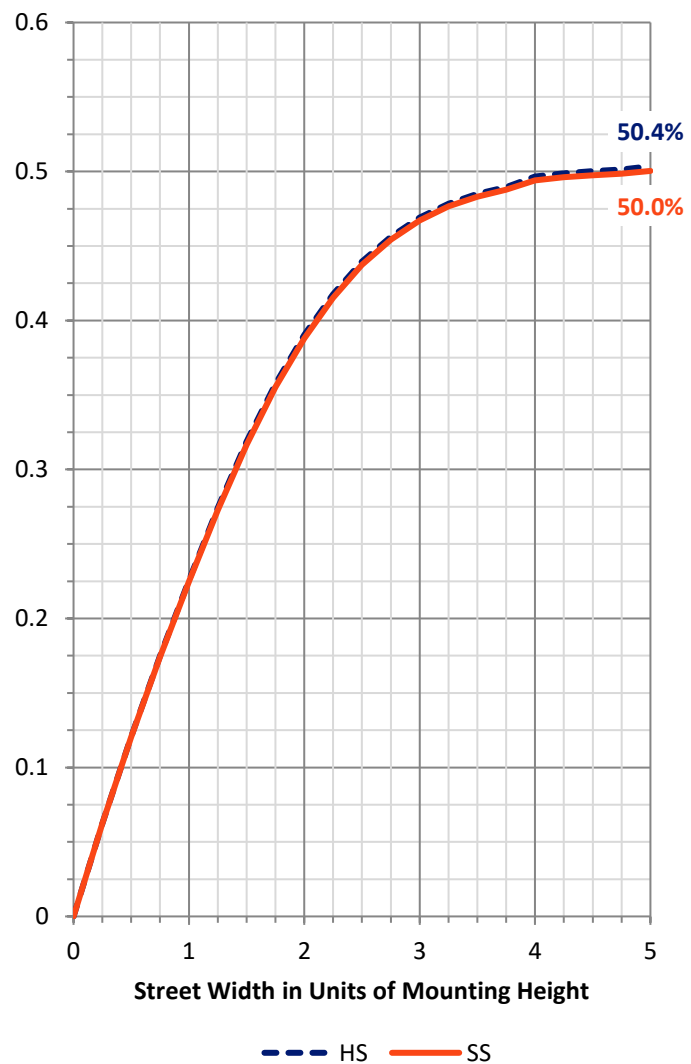
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7511.0	0.0	7511.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7511.0	0.0	7511.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15022.0	0.0	15022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	0.8
10°-20°	374.3	2.5
20°-30°	622.9	4.1
30°-40°	942.0	6.3
40°-50°	1565.3	10.4
50°-60°	2953.7	19.7
60°-70°	4987.4	33.2
70°-80°	3277.3	21.8
80°-90°	171.7	1.1
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°	15022.0	100.0
0°-180°	15022.0	100.0

Coefficient of Utilization



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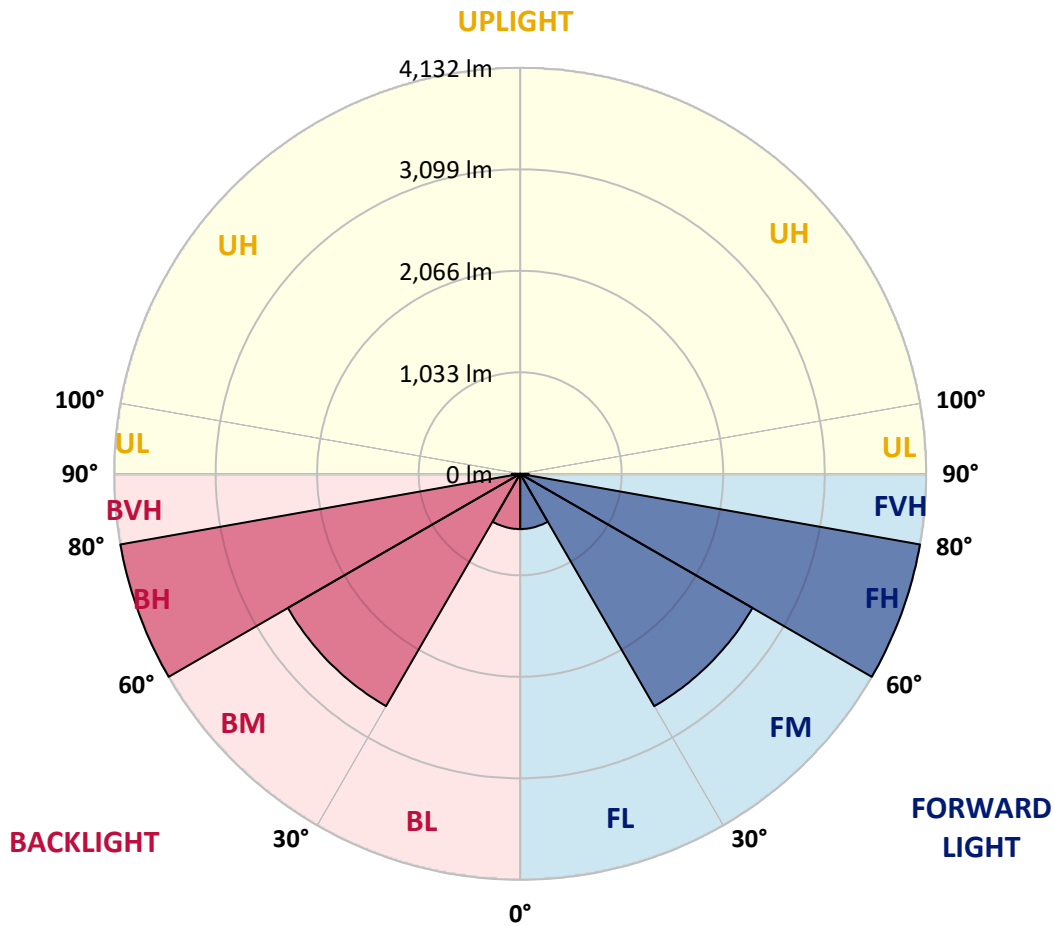
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.3	3.7			
FM (30°-60°)	2730.5	18.2			
FH (60°-80°)	4132.3	27.5			G2/5000
FVH (80°-90°)	85.8	0.6			G1/100
BL (0°-30°)	562.3	3.7	B2/1000		
BM (30°-60°)	2730.5	18.2	B3/5000		
BH (60°-80°)	4132.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	85.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3
2.5°	1361.7	1365.6	1364.1	1360.9	1360.9	1358.6	1360.9	1362.5	1364.8	1366.4	1365.6
5°	1343.8	1346.9	1346.1	1343.8	1344.5	1342.2	1343.8	1346.1	1347.7	1348.4	1348.4
7.5°	1328.1	1331.3	1329.7	1325.8	1325.8	1323.5	1324.2	1326.6	1328.9	1329.7	1329.7
10°	1324.2	1327.4	1322.7	1316.4	1314.1	1311.0	1311.7	1314.1	1318.8	1321.1	1321.1
12.5°	1325.8	1328.1	1323.5	1314.1	1311.7	1308.6	1308.6	1311.0	1317.2	1320.3	1321.1
15°	1330.5	1332.8	1325.8	1315.7	1313.3	1311.0	1310.2	1313.3	1320.3	1325.8	1326.6
17.5°	1339.1	1341.4	1330.5	1316.4	1313.3	1314.1	1313.3	1315.7	1326.6	1336.7	1336.7
20°	1346.9	1348.4	1333.6	1316.4	1313.3	1314.1	1313.3	1318.0	1332.0	1346.1	1346.9
22.5°	1349.2	1350.8	1336.7	1321.9	1319.6	1320.3	1319.6	1324.2	1337.5	1351.6	1351.6
25°	1350.0	1352.4	1341.4	1329.7	1333.6	1335.2	1333.6	1334.4	1344.5	1357.0	1356.3
27.5°	1361.7	1364.8	1354.7	1344.5	1346.9	1346.1	1348.4	1350.8	1358.6	1371.1	1368.0
30°	1385.9	1388.3	1379.7	1369.5	1368.0	1362.5	1369.5	1377.3	1385.9	1396.9	1394.5
32.5°	1425.7	1430.4	1419.5	1408.6	1401.5	1398.4	1403.9	1417.2	1428.9	1440.6	1435.9
35°	1492.1	1495.2	1485.1	1464.8	1452.3	1452.3	1457.0	1474.2	1492.9	1507.7	1502.3
37.5°	1585.8	1589.7	1571.8	1547.6	1528.8	1528.8	1535.1	1553.0	1581.1	1602.2	1594.4
40°	1699.8	1705.3	1682.6	1657.6	1639.7	1636.6	1644.4	1664.7	1691.2	1717.8	1709.2
42.5°	1837.2	1843.5	1813.8	1791.9	1777.9	1777.9	1781.8	1800.5	1824.7	1857.5	1855.2
45°	2012.9	2023.8	1983.2	1961.4	1948.1	1951.2	1953.6	1970.0	1991.8	2029.3	2027.7
47.5°	2222.2	2233.1	2190.2	2167.5	2165.2	2180.0	2170.6	2182.3	2194.1	2237.0	2224.5
50°	2459.5	2478.3	2448.6	2447.0	2451.7	2479.0	2457.2	2463.4	2450.2	2477.5	2461.1
52.5°	2750.0	2777.3	2771.8	2781.2	2833.5	2889.8	2839.8	2817.9	2767.9	2776.5	2747.6
55°	3102.1	3143.5	3151.3	3207.5	3326.2	3441.0	3334.8	3246.6	3140.4	3120.9	3090.4
57.5°	3502.7	3535.5	3573.0	3687.7	3909.5	4113.3	3909.5	3714.3	3547.2	3507.4	3479.3
60°	3933.7	3974.3	4010.2	4179.6	4509.1	4795.7	4502.9	4192.9	3971.9	3918.1	3871.2
62.5°	4396.7	4449.0	4474.0	4662.2	5046.3	5388.3	5051.8	4676.2	4431.1	4373.3	4326.4
65°	4841.0	4883.9	4912.0	5112.7	5479.7	5822.4	5504.7	5134.6	4882.4	4806.6	4769.1
67.5°	5047.9	5071.3	5140.0	5367.2	5754.5	6145.7	5820.1	5391.4	5109.6	4976.8	4978.4
70°	4744.9	4697.3	4862.8	5226.7	5787.3	6344.0	5862.3	5215.8	4870.6	4655.1	4706.7
72.5°	3666.6	3584.7	3872.0	4494.3	5412.5	6217.5	5450.0	4529.4	4050.8	3613.6	3722.1
75°	1995.0	1902.0	2298.7	3085.7	4316.3	5389.1	4415.4	3174.0	2559.5	1980.1	2108.9
77.5°	563.0	527.8	848.0	1492.9	2596.2	3783.8	2696.1	1525.7	1005.7	596.5	662.9
80°	172.6	167.1	226.4	449.7	1102.5	1812.2	1059.5	455.2	288.1	181.9	192.1
82.5°	102.3	93.7	112.4	164.0	281.1	569.2	273.3	171.0	137.4	92.1	99.9
85°	58.6	54.7	66.4	79.6	94.5	121.0	78.9	81.2	73.4	49.2	51.5
87.5°	24.2	21.9	25.8	25.0	21.9	28.1	21.1	25.0	29.7	19.5	18.0
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)