

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: P947686

Luminaire Tested: **GALN-SB3A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947686
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-SB3A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11644 lumens
Efficiency: N/A
Efficacy: 137.5 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): 84.7
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



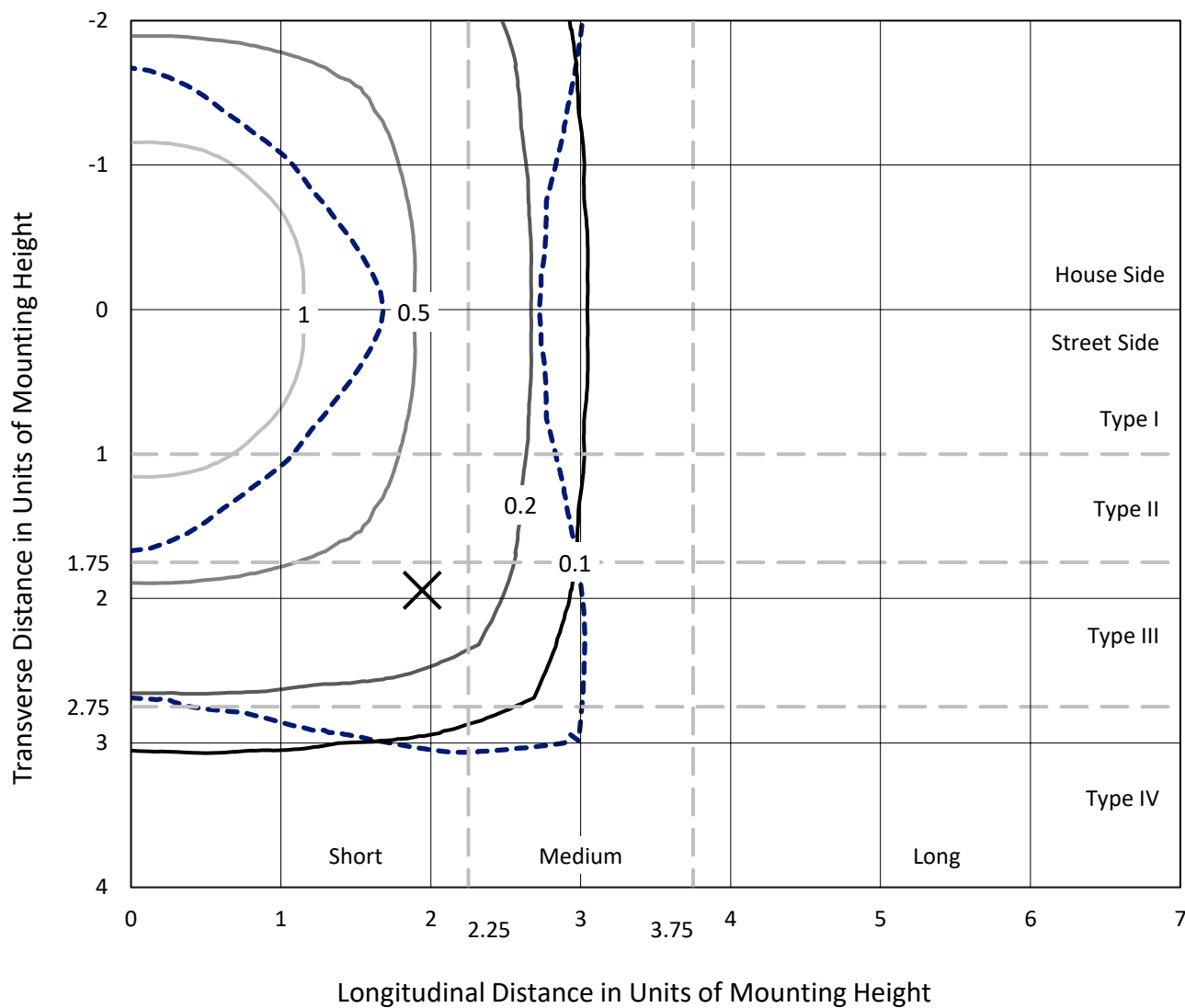
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

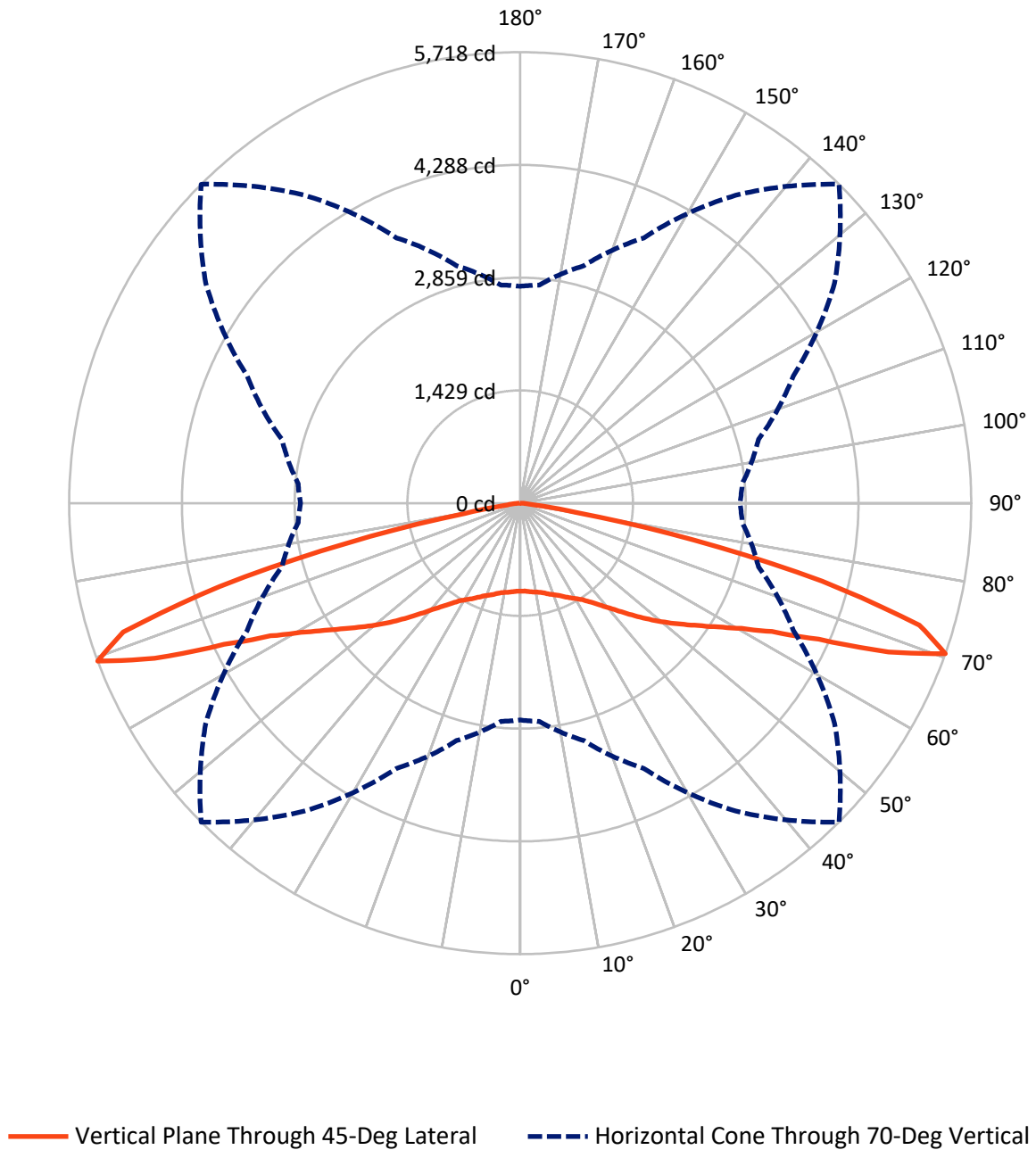


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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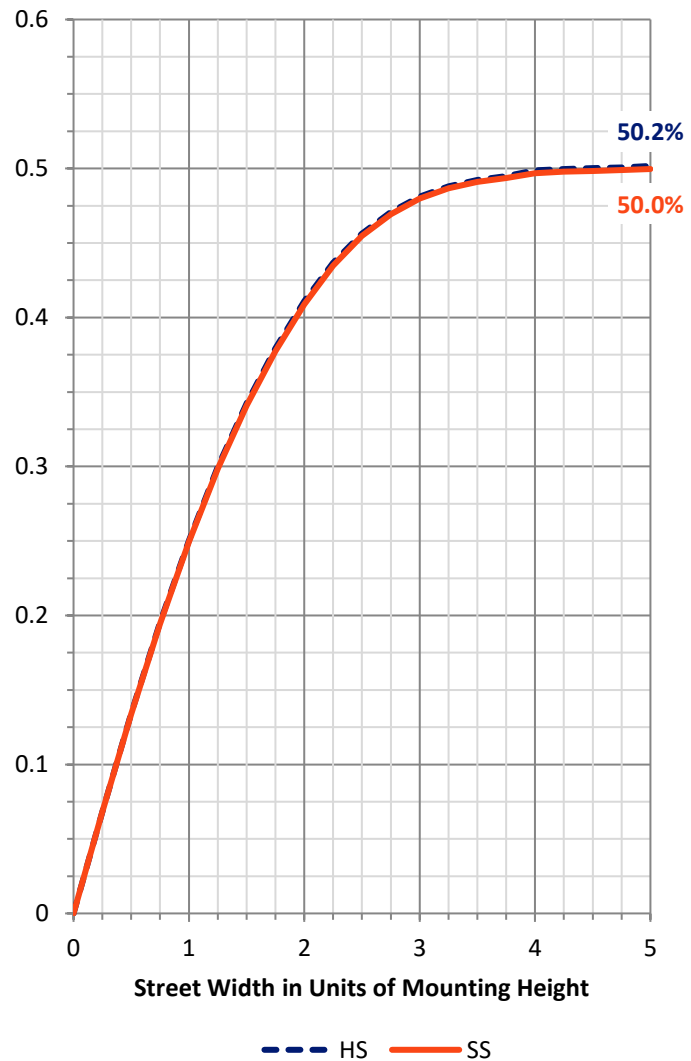
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5822.0	0.0	5822.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5822.0	0.0	5822.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11644.0	0.0	11644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	0.9
10°-20°	336.0	2.9
20°-30°	600.5	5.2
30°-40°	973.4	8.4
40°-50°	1585.5	13.6
50°-60°	2417.3	20.8
60°-70°	3596.2	30.9
70°-80°	1960.0	16.8
80°-90°	66.7	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°	11644.0	100.0
0°-180°	11644.0	100.0

Coefficient of Utilization



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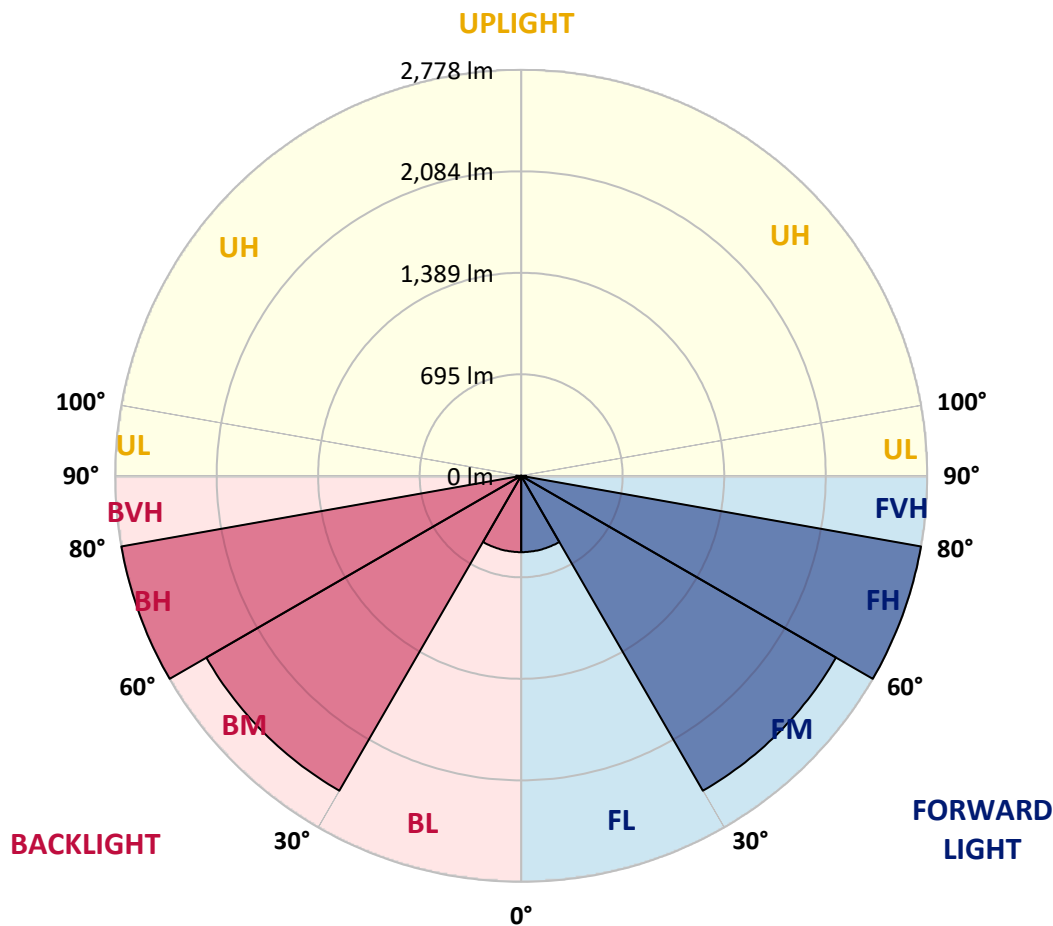
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.4	4.5			
FM	(30°-60°)	2488.1	21.4			
FH	(60°-80°)	2778.1	23.9			G2/5000
FVH	(80°-90°)	33.4	0.3			G1/100
BL	(0°-30°)	522.4	4.5	B2/1000		
BM	(30°-60°)	2488.1	21.4	B2/2500		
BH	(60°-80°)	2778.1	23.9	B4/5000		G2/5000
BVH	(80°-90°)	33.4	0.3			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°	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1120.6	1121.8	1119.5	1118.3	1117.1	1115.4	1116.0	1118.9	1121.2	1120.6	1121.2
5°	1130.0	1131.2	1129.4	1128.8	1126.5	1125.9	1125.9	1128.8	1130.6	1129.4	1130.0
7.5°	1140.5	1142.3	1139.3	1138.8	1137.6	1136.4	1135.8	1138.8	1140.5	1140.5	1140.5
10°	1150.4	1152.2	1149.9	1148.1	1146.9	1146.9	1145.8	1148.1	1151.0	1150.4	1150.4
12.5°	1161.0	1162.1	1159.8	1158.6	1158.6	1160.4	1158.6	1159.8	1162.1	1161.0	1160.4
15°	1173.8	1174.4	1173.8	1175.6	1178.5	1184.4	1179.1	1177.9	1179.1	1176.2	1176.2
17.5°	1191.4	1192.5	1194.9	1199.0	1203.1	1213.6	1204.2	1201.3	1201.3	1195.5	1195.5
20°	1213.0	1214.8	1218.3	1225.3	1230.5	1240.5	1231.1	1227.0	1225.3	1217.7	1217.7
22.5°	1235.8	1238.7	1244.0	1253.3	1262.7	1272.0	1262.7	1255.7	1250.4	1240.5	1239.9
25°	1262.1	1265.6	1273.8	1289.0	1301.9	1315.3	1304.2	1290.2	1279.6	1265.6	1265.0
27.5°	1299.5	1303.6	1313.5	1332.3	1348.6	1360.3	1349.8	1331.7	1317.1	1300.1	1299.5
30°	1352.1	1356.2	1367.9	1387.8	1398.9	1406.5	1399.5	1385.4	1367.9	1348.6	1348.6
32.5°	1419.9	1425.2	1438.1	1456.8	1459.1	1460.3	1457.9	1450.9	1438.1	1414.7	1415.3
35°	1505.9	1511.7	1526.3	1541.5	1539.2	1541.5	1538.0	1535.7	1526.3	1499.4	1499.4
37.5°	1611.1	1618.1	1633.3	1645.0	1639.2	1636.2	1636.8	1637.4	1632.1	1602.3	1602.3
40°	1733.3	1742.6	1753.7	1766.0	1756.1	1747.3	1753.1	1757.8	1753.1	1722.8	1722.8
42.5°	1859.0	1872.4	1884.1	1901.6	1893.4	1882.3	1890.5	1895.8	1885.8	1853.1	1855.5
45°	1998.7	2011.5	2026.7	2053.0	2047.2	2035.5	2047.2	2048.4	2031.4	1992.8	1996.9
47.5°	2143.1	2156.5	2179.3	2214.4	2212.0	2199.2	2214.4	2206.2	2184.6	2138.4	2135.5
50°	2279.9	2298.6	2333.6	2382.7	2387.4	2371.6	2392.1	2376.3	2340.1	2282.2	2281.0
52.5°	2408.5	2428.3	2483.9	2550.5	2567.5	2547.0	2574.5	2547.0	2492.6	2418.4	2411.4
55°	2543.5	2565.7	2631.8	2718.9	2752.8	2737.6	2763.3	2721.8	2644.6	2554.6	2542.3
57.5°	2702.5	2715.9	2794.9	2898.3	2955.6	2959.1	2970.8	2900.7	2807.1	2704.8	2690.8
60°	2875.0	2893.7	2979.6	3103.5	3194.1	3223.4	3211.1	3107.0	2998.3	2880.8	2862.1
62.5°	3095.9	3116.4	3219.3	3367.8	3511.0	3583.5	3535.5	3384.7	3250.3	3109.4	3084.8
65°	3278.9	3301.7	3487.6	3752.4	4013.1	4158.7	4038.3	3760.6	3518.6	3319.8	3287.1
67.5°	3146.2	3174.3	3466.0	3952.3	4600.6	5035.0	4622.8	4012.0	3537.9	3268.4	3228.0
70°	2749.9	2776.2	3116.4	3710.9	4766.1	5717.8	4865.4	3820.2	3127.5	2825.8	2785.5
72.5°	1825.6	1910.4	2254.7	2967.9	4255.7	5291.0	4297.8	2907.7	2091.6	1821.5	1762.5
75°	605.6	673.4	908.4	1538.6	2850.4	3957.0	2713.6	1361.5	719.6	517.9	489.9
77.5°	152.6	176.0	242.6	440.2	1137.0	2253.0	1023.6	359.5	195.8	136.8	122.2
80°	74.2	81.8	116.9	146.7	284.7	716.1	267.2	138.0	92.4	71.3	65.5
82.5°	40.9	41.5	66.1	83.0	105.8	185.3	109.9	80.7	53.2	43.3	43.3
85°	25.1	24.6	35.1	44.4	44.4	66.1	52.6	44.4	30.4	26.9	28.1
87.5°	9.9	9.9	12.9	14.0	12.3	17.0	13.4	14.6	11.7	11.1	11.7
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)