

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: P947690

Luminaire Tested: **GALN-SB3A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947690
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-SB3A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11449 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

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

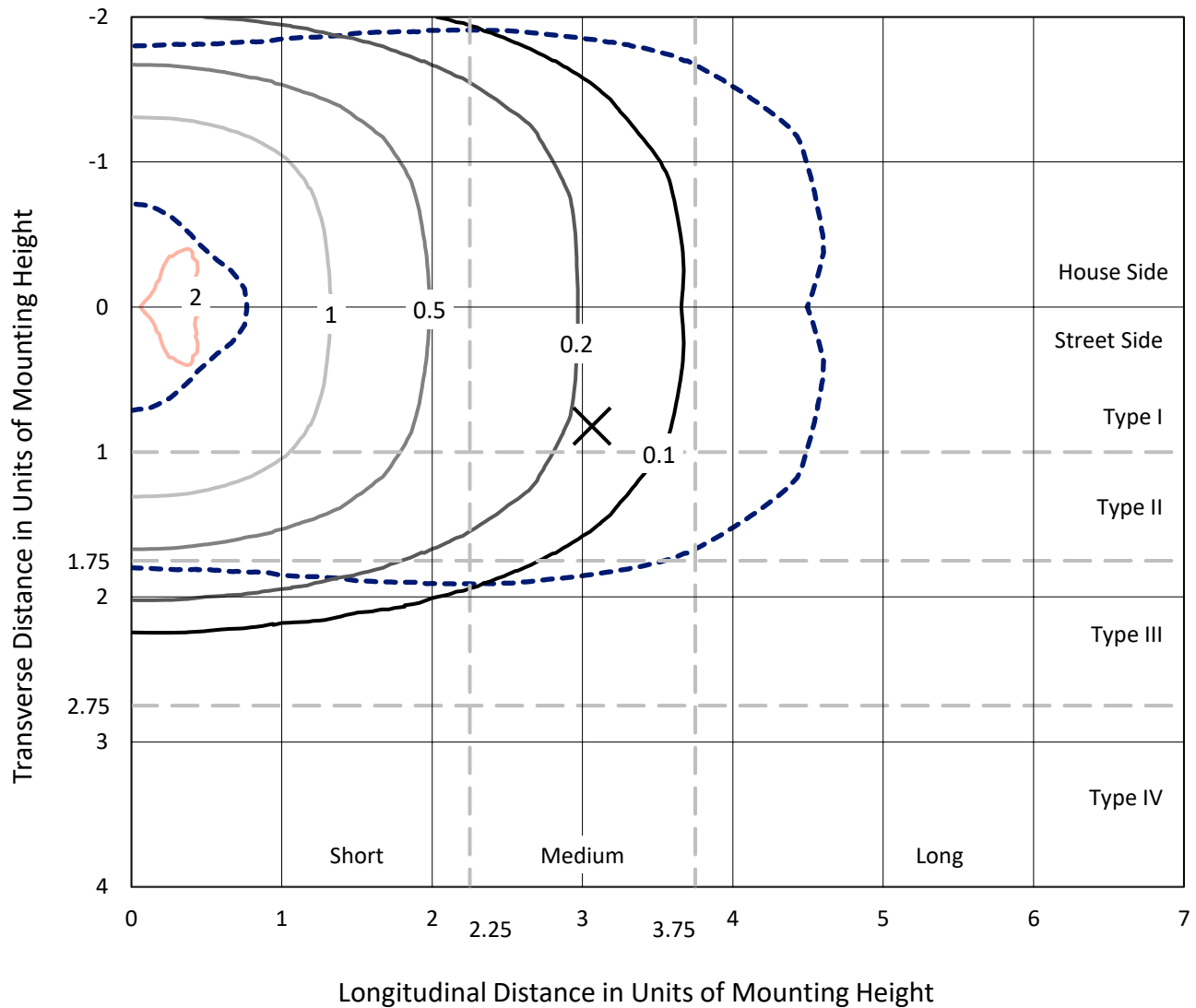


REPORT NUMBER: P947690

CATALOG NUMBER: GALN-SB3A-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

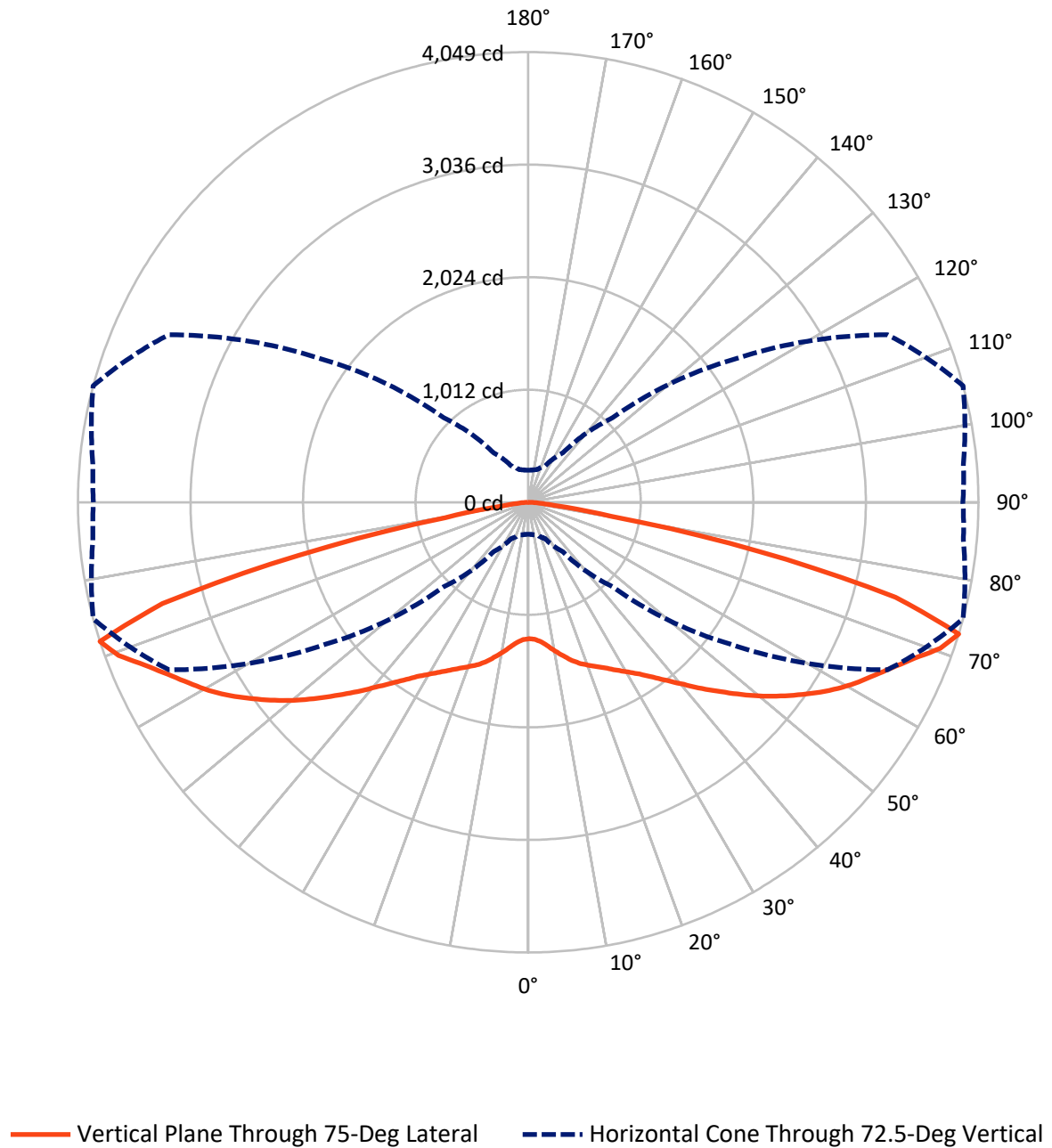


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P947690

CATALOG NUMBER: GALN-SB3A-722-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5724.5	0.0	5724.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5724.5	0.0	5724.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11449.0	0.0	11449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	1.0
10°-20°	396.2	3.5
20°-30°	765.6	6.7
30°-40°	1292.8	11.3
40°-50°	2050.3	17.9
50°-60°	2745.1	24.0
60°-70°	2612.4	22.8
70°-80°	1363.2	11.9
80°-90°	103.2	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°	11449.0	100.0
0°-180°	11449.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947690

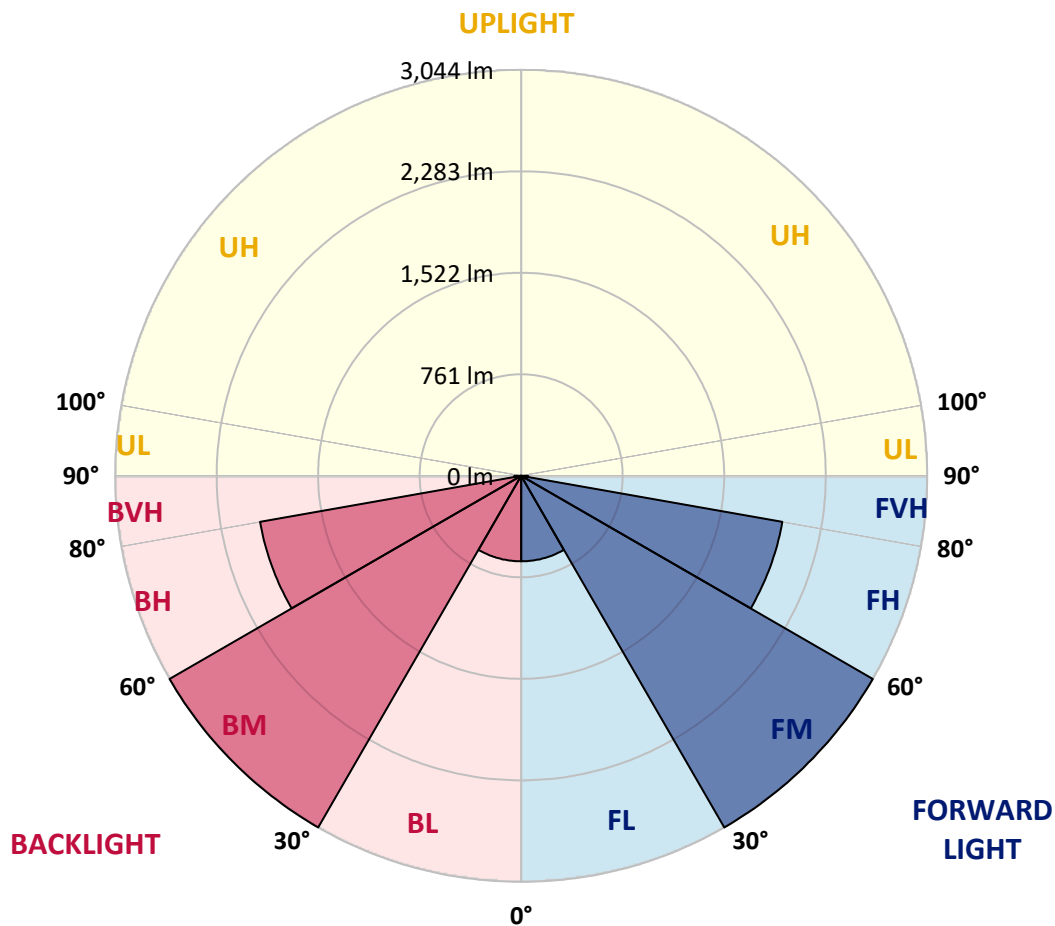
CATALOG NUMBER: GALN-SB3A-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	641.0	5.6			
FM	(30°-60°)	3044.1	26.6			
FH	(60°-80°)	1987.8	17.4			G2/5000
FVH	(80°-90°)	51.6	0.5			G1/100
BL	(0°-30°)	641.0	5.6	B2/1000		
BM	(30°-60°)	3044.1	26.6	B3/5000		
BH	(60°-80°)	1987.8	17.4	B3/2500		G3/2500
BVH	(80°-90°)	51.6	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



REPORT NUMBER: P947690

CATALOG NUMBER: GALN-SB3A-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4	1226.4
2.5°	1226.4	1225.2	1226.4	1227.6	1227.0	1227.0	1229.9	1231.7	1235.2	1234.6	1234.0
5°	1218.2	1217.6	1222.3	1227.6	1231.7	1238.7	1247.4	1253.9	1262.1	1263.8	1263.8
7.5°	1214.1	1212.4	1220.5	1229.9	1242.8	1260.3	1277.2	1294.8	1308.8	1313.5	1314.7
10°	1217.0	1217.6	1228.7	1246.3	1266.7	1291.3	1315.2	1345.1	1364.9	1369.6	1374.3
12.5°	1230.5	1229.3	1248.0	1276.1	1304.1	1335.1	1363.2	1395.9	1417.5	1428.6	1433.3
15°	1255.0	1252.7	1279.0	1320.5	1361.4	1397.7	1420.5	1451.4	1476.6	1490.6	1495.9
17.5°	1284.3	1285.4	1319.9	1373.7	1427.5	1468.4	1490.0	1505.8	1525.1	1537.4	1543.2
20°	1335.7	1338.0	1376.6	1440.3	1501.7	1548.5	1566.0	1560.2	1565.4	1574.8	1581.8
22.5°	1404.7	1405.9	1449.1	1518.1	1582.4	1633.8	1645.5	1621.6	1606.9	1613.4	1618.0
25°	1484.8	1492.4	1535.6	1606.4	1672.4	1721.5	1726.8	1690.5	1654.3	1656.0	1659.0
27.5°	1582.4	1589.4	1633.2	1703.4	1770.6	1813.3	1812.7	1764.2	1711.0	1697.5	1701.6
30°	1688.2	1695.8	1740.8	1813.3	1875.8	1913.2	1905.1	1847.2	1771.2	1746.1	1749.0
32.5°	1813.9	1818.5	1864.1	1936.6	1994.5	2024.3	2007.4	1936.0	1841.3	1812.7	1819.7
35°	1965.9	1972.9	2006.8	2075.2	2126.0	2150.6	2121.9	2037.8	1931.4	1899.2	1903.9
37.5°	2139.5	2134.8	2173.4	2234.2	2276.3	2291.4	2252.3	2152.3	2034.2	1996.2	2003.3
40°	2320.7	2318.3	2360.4	2418.9	2441.7	2451.0	2393.2	2283.8	2152.9	2112.0	2125.4
42.5°	2484.9	2483.2	2539.9	2604.8	2632.2	2621.7	2548.7	2423.6	2290.3	2243.5	2255.2
45°	2616.5	2614.1	2683.7	2774.9	2828.7	2811.1	2712.9	2577.9	2429.4	2380.9	2392.0
47.5°	2717.6	2718.8	2793.6	2906.4	3000.5	3006.9	2880.7	2735.1	2582.6	2527.6	2544.0
50°	2790.7	2794.2	2874.2	2999.3	3127.9	3184.6	3052.0	2896.5	2741.0	2679.0	2697.7
52.5°	2808.8	2815.2	2911.7	3058.4	3209.8	3317.9	3226.1	3051.4	2891.2	2832.2	2847.4
55°	2712.3	2725.2	2847.4	3053.7	3260.1	3405.6	3379.3	3208.6	3042.6	2981.8	2998.8
57.5°	2490.8	2508.9	2651.5	2921.0	3248.9	3465.8	3498.0	3359.4	3194.0	3135.5	3149.0
60°	2180.4	2202.0	2338.8	2632.8	3092.3	3488.0	3581.6	3506.2	3333.1	3276.4	3288.7
62.5°	1712.2	1740.2	1903.9	2248.8	2761.4	3384.6	3652.9	3638.8	3458.2	3387.5	3395.7
65°	1098.4	1128.2	1300.6	1708.1	2320.1	3067.7	3675.1	3768.0	3590.3	3491.5	3503.8
67.5°	662.3	675.7	761.1	1035.2	1695.8	2590.2	3486.9	3911.2	3744.6	3621.9	3631.2
70°	423.8	431.4	482.3	607.9	958.7	1889.9	3020.4	3938.1	3931.7	3755.8	3754.6
72.5°	287.6	289.9	303.4	360.1	542.5	1073.8	2227.7	3565.2	4048.6	3928.2	3909.5
75°	210.4	223.3	244.9	254.9	308.1	536.6	1276.7	2504.8	3412.0	3464.6	3337.2
77.5°	156.7	157.2	187.1	198.7	219.8	285.8	540.1	1398.3	2118.4	2224.2	1984.0
80°	132.7	125.7	125.1	160.2	165.4	178.3	241.4	482.8	758.8	460.0	347.8
82.5°	110.5	102.9	92.9	125.1	112.8	109.3	104.6	196.4	241.4	118.7	101.1
85°	77.2	73.7	70.1	81.8	64.3	54.9	50.3	91.8	101.7	50.3	44.4
87.5°	33.3	34.5	35.1	36.2	26.9	19.3	19.3	25.7	25.7	19.9	14.6
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)