

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: P946262

Luminaire Tested: **GALN-SB2A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946262
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-SB2A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 7631 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 57.3
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

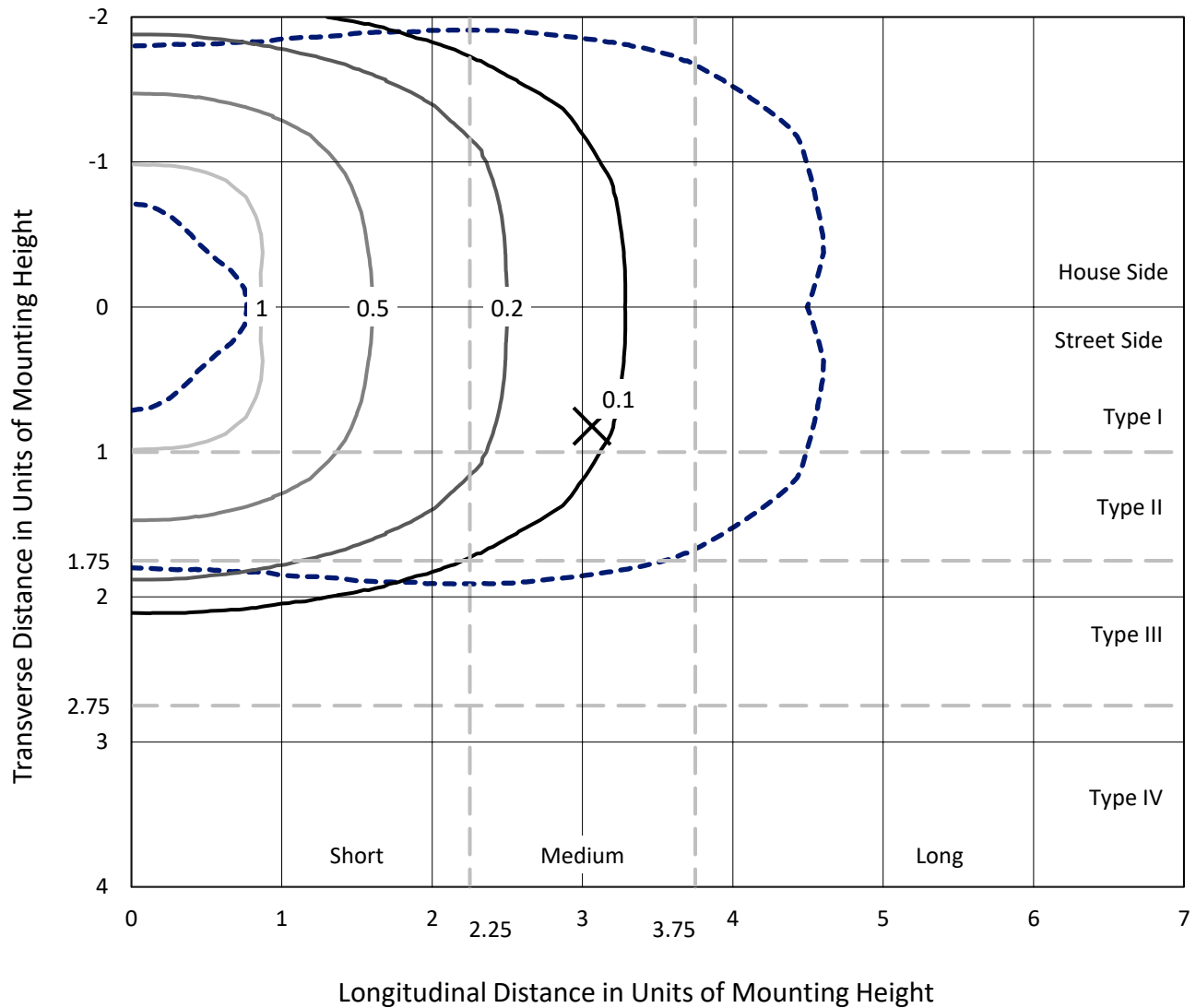


REPORT NUMBER: P946262

CATALOG NUMBER: GALN-SB2A-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

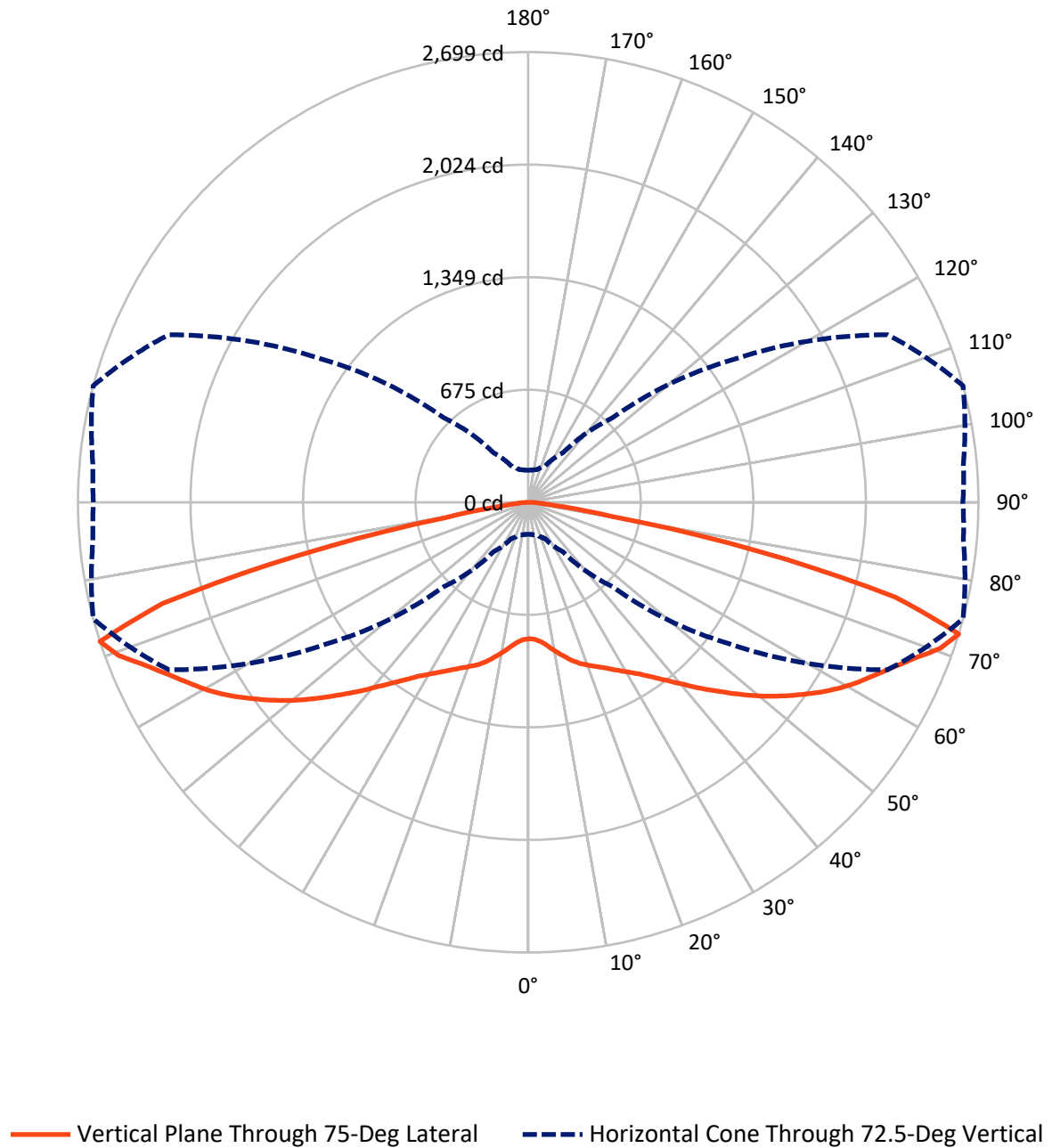


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type III - Medium - N/A

REPORT NUMBER: P946262

CATALOG NUMBER: GALN-SB2A-722-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3815.5	0.0	3815.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3815.5	0.0	3815.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7631.0	0.0	7631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	1.0
10°-20°	264.1	3.5
20°-30°	510.3	6.7
30°-40°	861.7	11.3
40°-50°	1366.5	17.9
50°-60°	1829.6	24.0
60°-70°	1741.2	22.8
70°-80°	908.6	11.9
80°-90°	68.8	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°	7631.0	100.0
0°-180°	7631.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946262

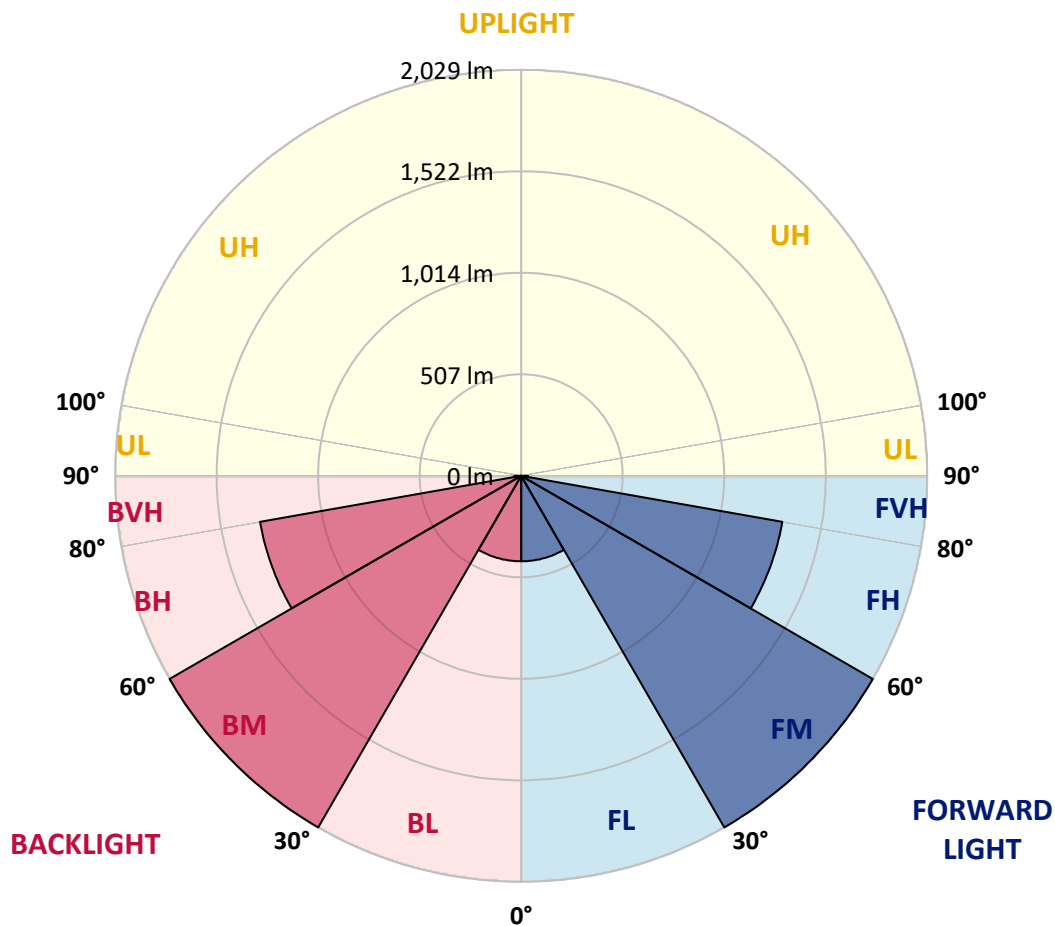
CATALOG NUMBER: GALN-SB2A-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	427.2	5.6			
FM	(30°-60°)	2028.9	26.6			
FH	(60°-80°)	1324.9	17.4			G1/1800
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	427.2	5.6	B1/500		
BM	(30°-60°)	2028.9	26.6	B2/2500		
BH	(60°-80°)	1324.9	17.4	B3/2500		G3/2500
BVH	(80°-90°)	34.4	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: P946262

CATALOG NUMBER: GALN-SB2A-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	817.4	817.4	817.4	817.4	817.4	817.4	817.4	817.4	817.4	817.4	817.4
2.5°	817.4	816.6	817.4	818.2	817.8	817.8	819.8	820.9	823.3	822.9	822.5
5°	812.0	811.6	814.7	818.2	820.9	825.6	831.4	835.7	841.2	842.4	842.4
7.5°	809.2	808.1	813.5	819.8	828.3	840.0	851.3	863.0	872.4	875.5	876.2
10°	811.2	811.6	819.0	830.7	844.3	860.7	876.6	896.5	909.8	912.9	916.0
12.5°	820.1	819.4	831.8	850.5	869.2	889.9	908.6	930.4	944.8	952.2	955.3
15°	836.5	834.9	852.5	880.1	907.4	931.6	946.8	967.4	984.2	993.5	997.0
17.5°	856.0	856.8	879.8	915.6	951.4	978.7	993.1	1003.7	1016.5	1024.7	1028.6
20°	890.3	891.8	917.5	960.0	1000.9	1032.1	1043.8	1039.9	1043.4	1049.6	1054.3
22.5°	936.2	937.0	965.9	1011.8	1054.7	1089.0	1096.8	1080.8	1071.1	1075.3	1078.5
25°	989.6	994.7	1023.5	1070.7	1114.7	1147.4	1150.9	1126.8	1102.6	1103.8	1105.7
27.5°	1054.7	1059.4	1088.6	1135.3	1180.2	1208.6	1208.2	1175.9	1140.4	1131.4	1134.2
30°	1125.2	1130.3	1160.3	1208.6	1250.3	1275.2	1269.8	1231.2	1180.5	1163.8	1165.7
32.5°	1209.0	1212.1	1242.5	1290.8	1329.4	1349.2	1337.9	1290.4	1227.3	1208.2	1212.9
35°	1310.3	1315.0	1337.6	1383.1	1417.0	1433.4	1414.3	1358.2	1287.3	1265.9	1269.0
37.5°	1426.0	1422.9	1448.6	1489.1	1517.2	1527.3	1501.2	1434.6	1355.9	1330.5	1335.2
40°	1546.8	1545.2	1573.3	1612.2	1627.4	1633.7	1595.1	1522.2	1435.0	1407.7	1416.6
42.5°	1656.3	1655.1	1692.9	1736.1	1754.4	1747.4	1698.7	1615.4	1526.5	1495.4	1503.1
45°	1743.9	1742.4	1788.7	1849.5	1885.4	1873.7	1808.2	1718.2	1619.2	1586.9	1594.3
47.5°	1811.3	1812.1	1862.0	1937.2	1999.9	2004.2	1920.0	1823.0	1721.3	1684.7	1695.6
50°	1860.0	1862.4	1915.7	1999.1	2084.8	2122.6	2034.2	1930.6	1826.9	1785.6	1798.1
52.5°	1872.1	1876.4	1940.7	2038.5	2139.4	2211.5	2150.3	2033.8	1927.0	1887.7	1897.8
55°	1807.8	1816.4	1897.8	2035.4	2172.9	2269.9	2252.4	2138.6	2028.0	1987.4	1998.7
57.5°	1660.2	1672.2	1767.3	1946.9	2165.5	2310.0	2331.5	2239.1	2128.9	2089.9	2098.9
60°	1453.3	1467.7	1558.9	1754.8	2061.1	2324.8	2387.2	2336.9	2221.6	2183.8	2192.0
62.5°	1141.2	1159.9	1269.0	1498.9	1840.6	2255.9	2434.7	2425.4	2305.0	2257.8	2263.3
65°	732.1	752.0	866.9	1138.5	1546.4	2044.7	2449.5	2511.5	2393.0	2327.2	2335.4
67.5°	441.4	450.4	507.3	690.0	1130.3	1726.4	2324.1	2606.9	2495.9	2414.1	2420.3
70°	282.5	287.5	321.4	405.2	639.0	1259.6	2013.2	2624.9	2620.6	2503.3	2502.5
72.5°	191.7	193.3	202.2	240.0	361.6	715.7	1484.8	2376.3	2698.5	2618.2	2605.8
75°	140.3	148.8	163.2	169.9	205.3	357.7	850.9	1669.5	2274.2	2309.3	2224.3
77.5°	104.4	104.8	124.7	132.5	146.5	190.5	360.0	932.0	1412.0	1482.5	1322.4
80°	88.4	83.8	83.4	106.8	110.3	118.8	160.9	321.8	505.7	306.6	231.8
82.5°	73.6	68.6	61.9	83.4	75.2	72.9	69.7	130.9	160.9	79.1	67.4
85°	51.4	49.1	46.8	54.5	42.9	36.6	33.5	61.2	67.8	33.5	29.6
87.5°	22.2	23.0	23.4	24.2	17.9	12.9	12.9	17.1	17.1	13.2	9.7
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)