

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: P945905

Luminaire Tested: **GALN-SB1D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945905
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-SB1D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8659 lumens
Efficiency: N/A
Efficacy: 108.8 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): 79.6
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



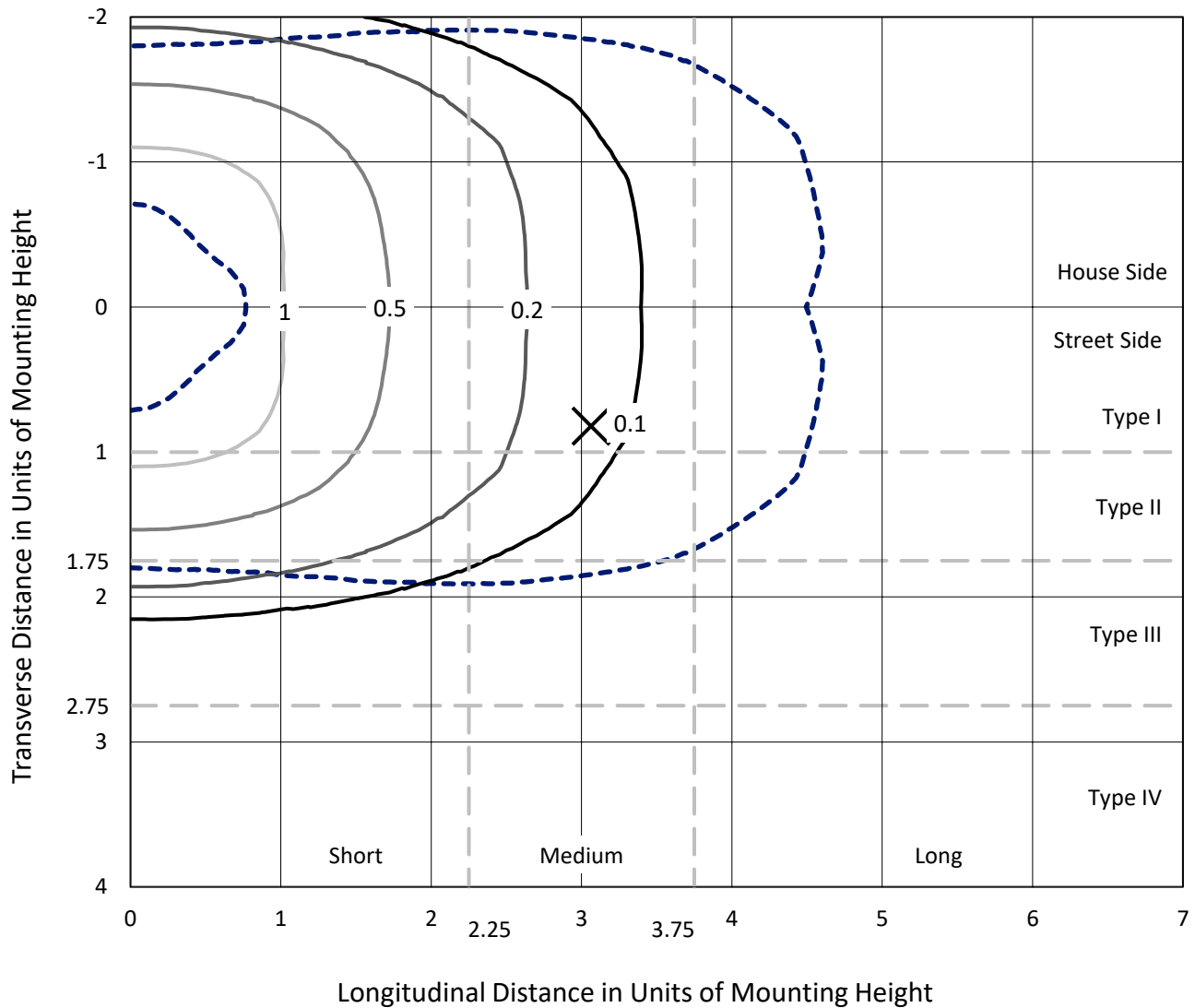
REPORT NUMBER: P945905

CATALOG NUMBER: GALN-SB1D-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

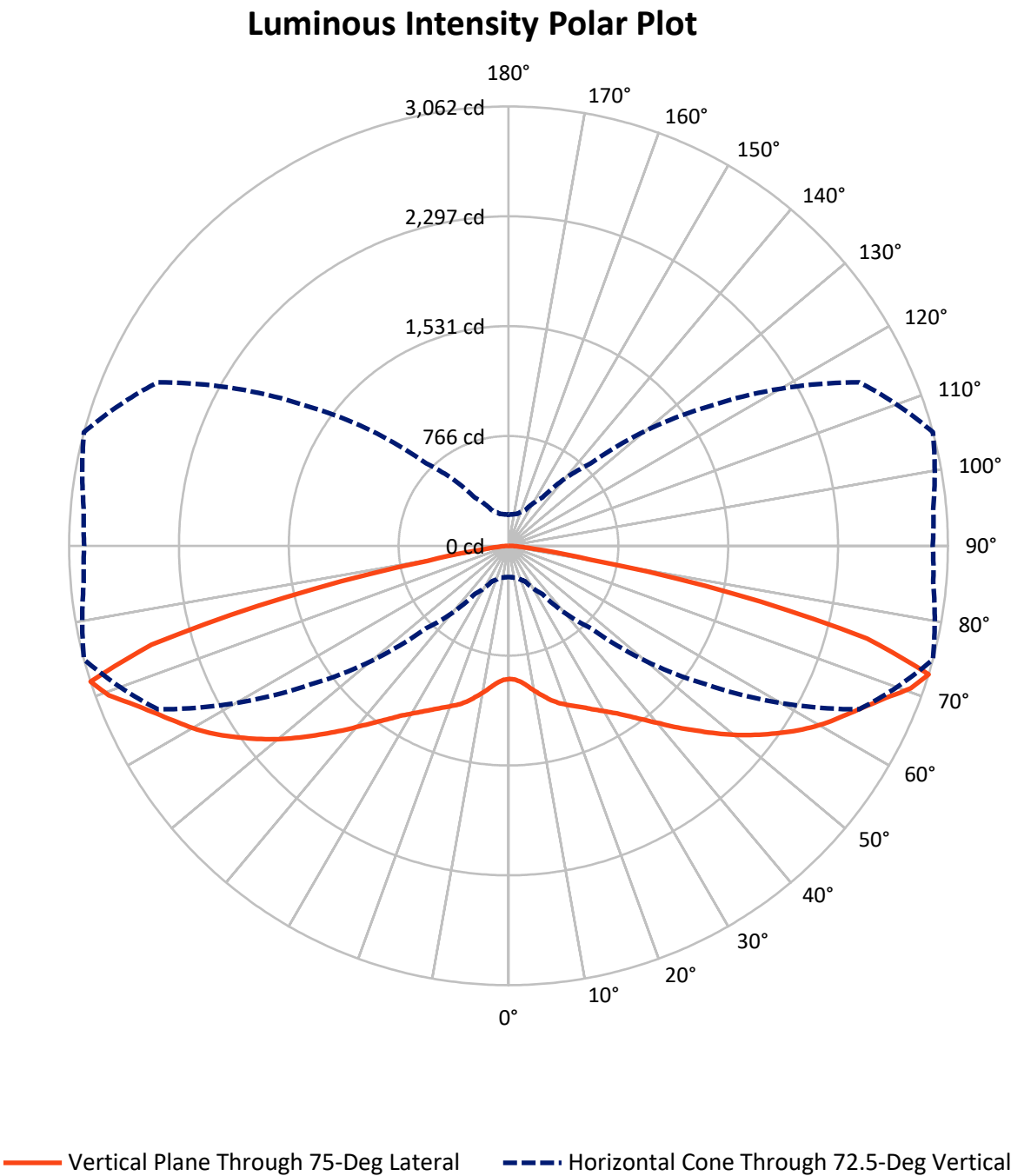
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

REPORT NUMBER: P945905
CATALOG NUMBER: GALN-SB1D-722-U-RW



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4329.5	0.0	4329.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4329.5	0.0	4329.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8659.0	0.0	8659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	1.0
10°-20°	299.7	3.5
20°-30°	579.1	6.7
30°-40°	977.8	11.3
40°-50°	1550.6	17.9
50°-60°	2076.1	24.0
60°-70°	1975.8	22.8
70°-80°	1031.0	11.9
80°-90°	78.0	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°	8659.0	100.0
0°-180°	8659.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945905

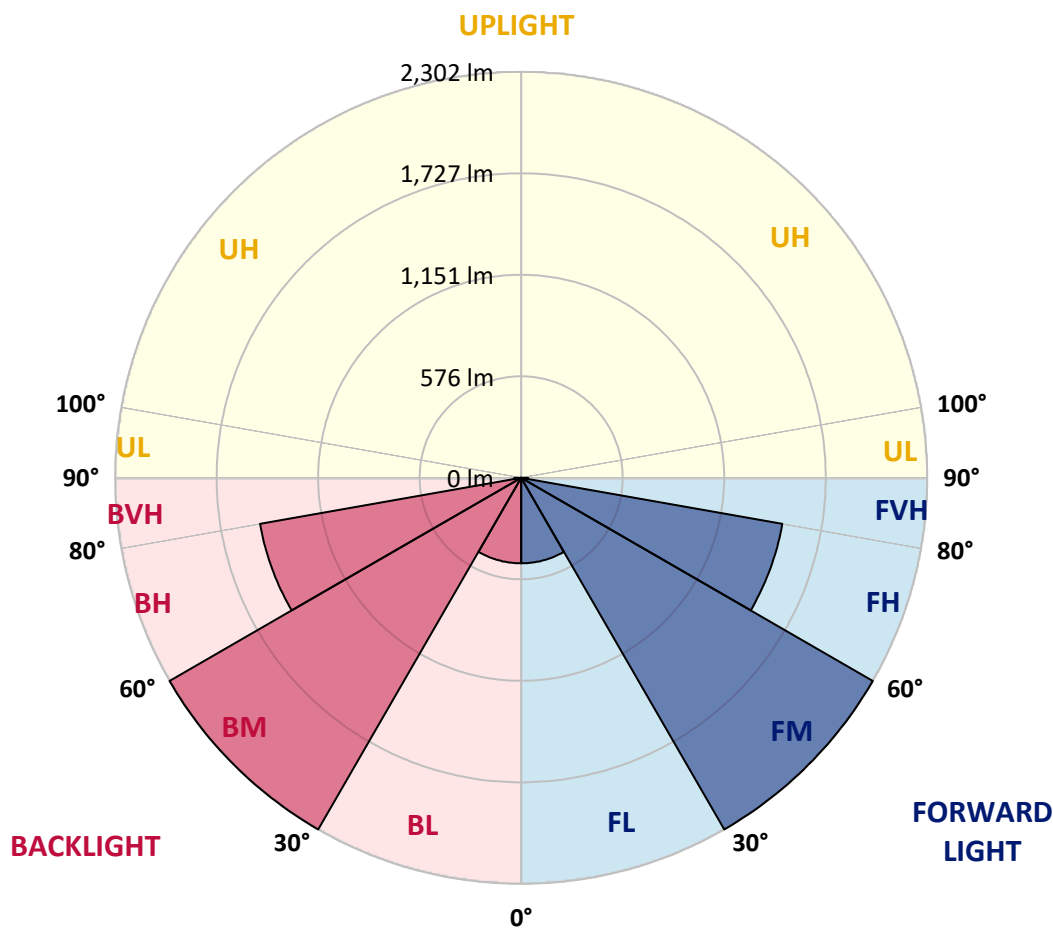
CATALOG NUMBER: GALN-SB1D-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.8	5.6			
FM	(30°-60°)	2302.3	26.6			
FH	(60°-80°)	1503.4	17.4			G1/1800
FVH	(80°-90°)	39.0	0.5			G1/100
BL	(0°-30°)	484.8	5.6	B1/500		
BM	(30°-60°)	2302.3	26.6	B2/2500		
BH	(60°-80°)	1503.4	17.4	B3/2500		G3/2500
BVH	(80°-90°)	39.0	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: P945905

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	927.5	927.5	927.5	927.5	927.5	927.5	927.5	927.5	927.5	927.5	927.5
2.5°	927.5	926.6	927.5	928.4	928.0	928.0	930.2	931.5	934.2	933.7	933.3
5°	921.3	920.9	924.4	928.4	931.5	936.8	943.4	948.3	954.5	955.8	955.8
7.5°	918.2	916.9	923.1	930.2	939.9	953.2	966.0	979.3	989.9	993.4	994.3
10°	920.5	920.9	929.3	942.6	958.0	976.6	994.7	1017.3	1032.3	1035.8	1039.4
12.5°	930.6	929.7	943.9	965.1	986.3	1009.8	1031.0	1055.7	1072.1	1080.5	1084.0
15°	949.2	947.4	967.3	998.7	1029.7	1057.1	1074.3	1097.7	1116.8	1127.4	1131.3
17.5°	971.3	972.2	998.3	1038.9	1079.6	1110.6	1126.9	1138.9	1153.4	1162.7	1167.2
20°	1010.2	1012.0	1041.2	1089.3	1135.8	1171.1	1184.4	1180.0	1184.0	1191.0	1196.3
22.5°	1062.4	1063.3	1096.0	1148.1	1196.8	1235.7	1244.5	1226.4	1215.3	1220.2	1223.7
25°	1122.9	1128.7	1161.4	1214.9	1264.9	1302.0	1306.0	1278.6	1251.2	1252.5	1254.7
27.5°	1196.8	1202.1	1235.2	1288.3	1339.1	1371.4	1371.0	1334.3	1294.0	1283.9	1287.0
30°	1276.8	1282.5	1316.6	1371.4	1418.7	1447.0	1440.8	1397.0	1339.6	1320.6	1322.8
32.5°	1371.8	1375.4	1409.9	1464.7	1508.5	1531.0	1518.2	1464.2	1392.6	1371.0	1376.3
35°	1486.8	1492.1	1517.7	1569.5	1607.9	1626.5	1604.8	1541.2	1460.7	1436.4	1439.9
37.5°	1618.1	1614.6	1643.7	1689.7	1721.6	1733.0	1703.4	1627.8	1538.5	1509.8	1515.1
40°	1755.2	1753.4	1785.2	1829.4	1846.7	1853.7	1810.0	1727.3	1628.3	1597.3	1607.5
42.5°	1879.4	1878.1	1920.9	1970.0	1990.8	1982.8	1927.6	1833.0	1732.2	1696.8	1705.6
45°	1978.9	1977.1	2029.7	2098.7	2139.3	2126.1	2051.8	1949.7	1837.4	1800.7	1809.1
47.5°	2055.3	2056.2	2112.8	2198.1	2269.3	2274.2	2178.7	2068.6	1953.2	1911.7	1924.0
50°	2110.6	2113.3	2173.8	2268.4	2365.7	2408.6	2308.2	2190.6	2073.0	2026.2	2040.3
52.5°	2124.3	2129.2	2202.1	2313.1	2427.6	2509.4	2440.0	2307.8	2186.6	2142.0	2153.5
55°	2051.4	2061.1	2153.5	2309.6	2465.6	2575.7	2555.8	2426.7	2301.2	2255.2	2268.0
57.5°	1883.8	1897.5	2005.4	2209.2	2457.2	2621.2	2645.5	2540.8	2415.7	2371.4	2381.6
60°	1649.0	1665.4	1768.9	1991.2	2338.7	2638.0	2708.8	2651.7	2520.9	2478.0	2487.3
62.5°	1294.9	1316.1	1439.9	1700.8	2088.5	2559.8	2762.7	2752.1	2615.5	2562.0	2568.2
65°	830.7	853.3	983.7	1291.8	1754.7	2320.2	2779.5	2849.8	2715.4	2640.7	2650.0
67.5°	500.9	511.1	575.6	783.0	1282.5	1959.0	2637.1	2958.1	2832.1	2739.3	2746.3
70°	320.5	326.3	364.7	459.8	725.1	1429.3	2284.4	2978.5	2973.6	2840.5	2839.6
72.5°	217.5	219.3	229.5	272.3	410.3	812.1	1684.9	2696.4	3062.0	2970.9	2956.8
75°	159.2	168.9	185.2	192.8	233.0	405.9	965.6	1894.4	2580.6	2620.3	2524.0
77.5°	118.5	118.9	141.5	150.3	166.2	216.2	408.5	1057.5	1602.2	1682.2	1500.5
80°	100.4	95.1	94.6	121.1	125.1	134.8	182.6	365.2	573.9	347.9	263.1
82.5°	83.6	77.8	70.3	94.6	85.3	82.7	79.1	148.5	182.6	89.7	76.5
85°	58.4	55.7	53.1	61.9	48.6	41.6	38.0	69.4	76.9	38.0	33.6
87.5°	25.2	26.1	26.5	27.4	20.3	14.6	14.6	19.5	19.5	15.0	11.1
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)