

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: P946619

Luminaire Tested: **GALN-SB2B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946619
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-SB2B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9579 lumens
Efficiency: N/A
Efficacy: 129.6 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): 73.9
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



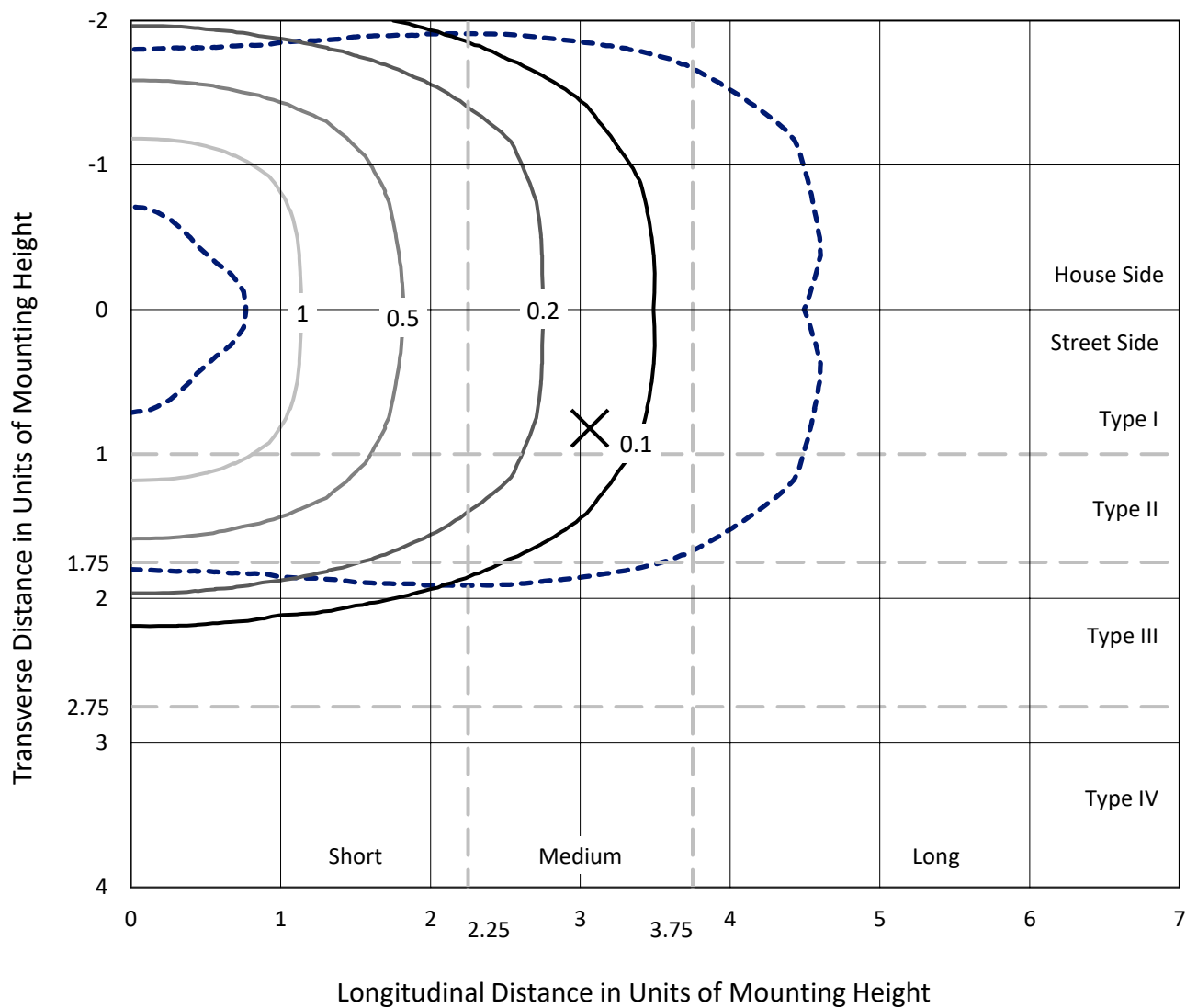
REPORT NUMBER: P946619

CATALOG NUMBER: GALN-SB2B-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

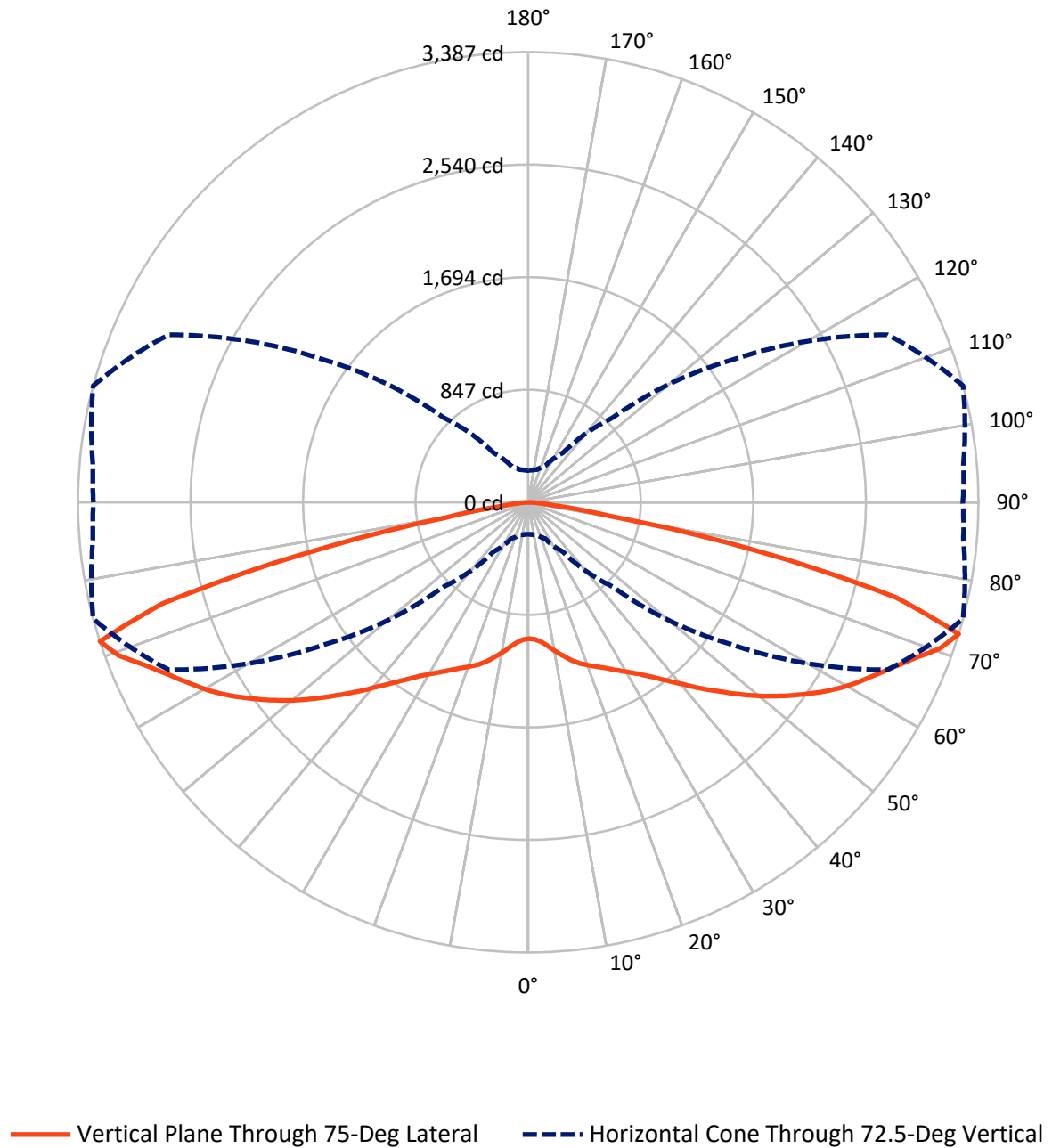


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P946619

CATALOG NUMBER: GALN-SB2B-722-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P946619

CATALOG NUMBER: GALN-SB2B-722-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4789.5	0.0	4789.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4789.5	0.0	4789.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9579.0	0.0	9579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	1.0
10°-20°	331.5	3.5
20°-30°	640.6	6.7
30°-40°	1081.7	11.3
40°-50°	1715.4	17.9
50°-60°	2296.7	24.0
60°-70°	2185.7	22.8
70°-80°	1140.6	11.9
80°-90°	86.3	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°	9579.0	100.0
0°-180°	9579.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946619

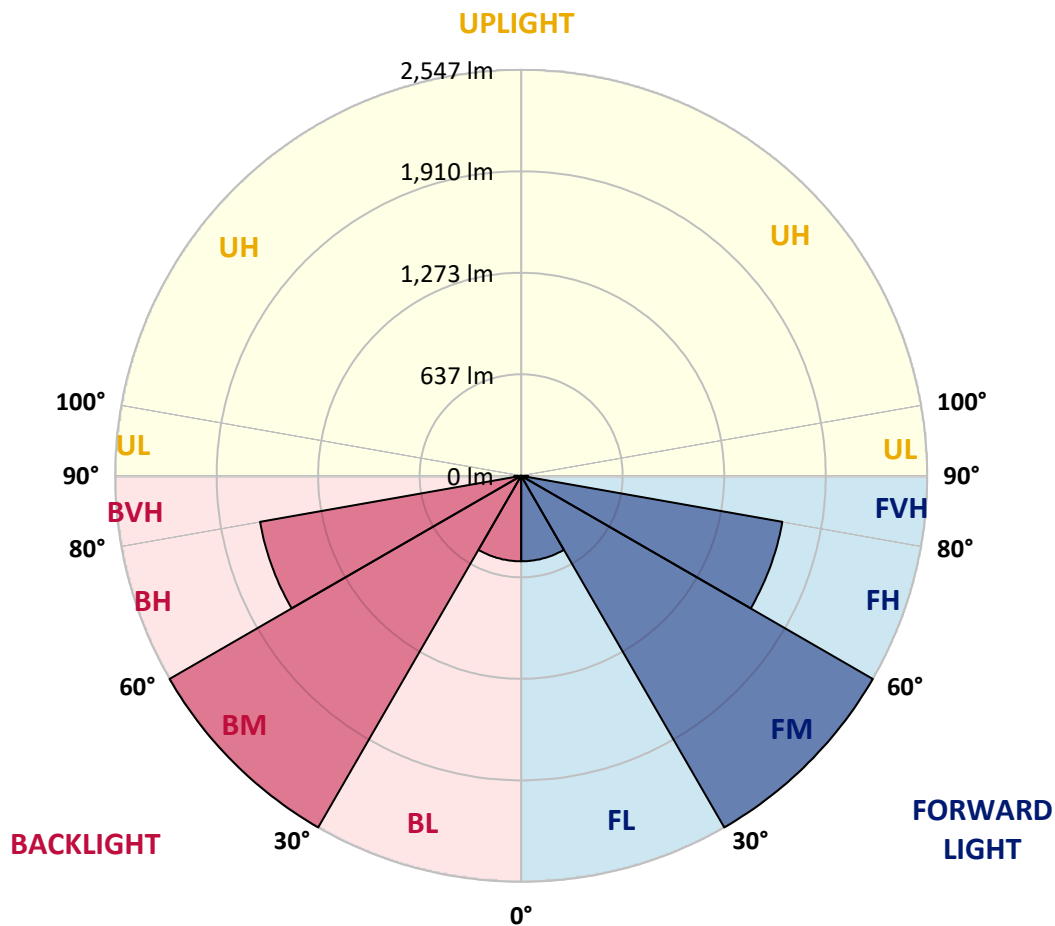
CATALOG NUMBER: GALN-SB2B-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.3	5.6			
FM	(30°-60°)	2546.9	26.6			
FH	(60°-80°)	1663.1	17.4			G1/1800
FVH	(80°-90°)	43.2	0.5			G1/100
BL	(0°-30°)	536.3	5.6	B2/1000		
BM	(30°-60°)	2546.9	26.6	B3/5000		
BH	(60°-80°)	1663.1	17.4	B3/2500		G3/2500
BVH	(80°-90°)	43.2	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: P946619

CATALOG NUMBER: GALN-SB2B-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1	1026.1
2.5°	1026.1	1025.1	1026.1	1027.1	1026.6	1026.6	1029.0	1030.5	1033.4	1032.9	1032.4
5°	1019.2	1018.7	1022.7	1027.1	1030.5	1036.4	1043.7	1049.1	1055.9	1057.4	1057.4
7.5°	1015.8	1014.3	1021.2	1029.0	1039.8	1054.4	1068.6	1083.3	1095.0	1099.0	1099.9
10°	1018.3	1018.7	1028.0	1042.7	1059.8	1080.4	1100.4	1125.4	1142.0	1145.9	1149.8
12.5°	1029.5	1028.5	1044.2	1067.7	1091.1	1117.1	1140.5	1167.9	1186.0	1195.3	1199.2
15°	1050.0	1048.1	1070.1	1104.8	1139.1	1169.4	1188.5	1214.4	1235.4	1247.1	1251.5
17.5°	1074.5	1075.5	1104.3	1149.3	1194.3	1228.6	1246.7	1259.9	1276.0	1286.3	1291.2
20°	1117.5	1119.5	1151.8	1205.1	1256.4	1295.6	1310.2	1305.3	1309.7	1317.6	1323.4
22.5°	1175.3	1176.2	1212.4	1270.1	1323.9	1367.0	1376.8	1356.7	1344.5	1349.9	1353.8
25°	1242.3	1248.6	1284.8	1344.0	1399.2	1440.3	1444.7	1414.4	1384.1	1385.6	1388.0
27.5°	1323.9	1329.8	1366.5	1425.2	1481.4	1517.1	1516.6	1476.0	1431.5	1420.3	1423.7
30°	1412.5	1418.8	1456.5	1517.1	1569.4	1600.7	1593.9	1545.5	1481.9	1460.9	1463.3
32.5°	1517.6	1521.5	1559.7	1620.3	1668.7	1693.7	1679.5	1619.8	1540.6	1516.6	1522.5
35°	1644.8	1650.6	1679.0	1736.2	1778.8	1799.3	1775.3	1704.9	1615.9	1589.0	1592.9
37.5°	1790.0	1786.1	1818.4	1869.3	1904.5	1917.2	1884.4	1800.8	1702.0	1670.2	1676.1
40°	1941.6	1939.7	1974.9	2023.8	2042.9	2050.7	2002.3	1910.8	1801.3	1767.0	1778.3
42.5°	2079.1	2077.6	2125.0	2179.3	2202.3	2193.5	2132.4	2027.7	1916.2	1877.1	1886.9
45°	2189.1	2187.1	2245.3	2321.6	2366.6	2352.0	2269.8	2156.8	2032.6	1992.0	2001.3
47.5°	2273.7	2274.7	2337.3	2431.7	2510.4	2515.8	2410.2	2288.4	2160.7	2114.8	2128.5
50°	2334.9	2337.8	2404.8	2509.5	2617.0	2664.5	2553.5	2423.4	2293.3	2241.4	2257.1
52.5°	2350.0	2355.4	2436.1	2558.8	2685.5	2776.0	2699.2	2553.0	2419.0	2369.6	2382.3
55°	2269.3	2280.1	2382.3	2554.9	2727.6	2849.4	2827.4	2684.5	2545.6	2494.8	2509.0
57.5°	2084.0	2099.1	2218.5	2443.9	2718.3	2899.7	2926.6	2810.7	2672.3	2623.4	2634.7
60°	1824.3	1842.4	1956.8	2202.8	2587.2	2918.3	2996.6	2933.5	2788.7	2741.3	2751.5
62.5°	1432.5	1456.0	1592.9	1881.5	2310.4	2831.8	3056.2	3044.5	2893.4	2834.2	2841.0
65°	919.0	943.9	1088.2	1429.1	1941.1	2566.7	3074.8	3152.6	3003.9	2921.3	2931.5
67.5°	554.1	565.4	636.8	866.2	1418.8	2167.1	2917.3	3272.4	3133.0	3030.3	3038.1
70°	354.6	360.9	403.5	508.6	802.1	1581.2	2527.1	3294.9	3289.5	3142.3	3141.3
72.5°	240.6	242.6	253.8	301.3	453.9	898.4	1863.9	2982.9	3387.3	3286.6	3270.9
75°	176.1	186.8	204.9	213.2	257.7	449.0	1068.1	2095.7	2854.7	2898.8	2792.1
77.5°	131.1	131.6	156.5	166.3	183.9	239.2	451.9	1169.9	1772.4	1860.9	1659.9
80°	111.0	105.2	104.7	134.0	138.4	149.2	202.0	404.0	634.8	384.9	291.0
82.5°	92.4	86.1	77.8	104.7	94.4	91.5	87.5	164.3	202.0	99.3	84.6
85°	64.6	61.6	58.7	68.5	53.8	46.0	42.1	76.8	85.1	42.1	37.2
87.5°	27.9	28.9	29.3	30.3	22.5	16.1	16.1	21.5	21.5	16.6	12.2
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)