

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: P946073

Luminaire Tested: **GALN-SB1D-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946073
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-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9419 lumens
Efficiency: N/A
Efficacy: 118.3 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

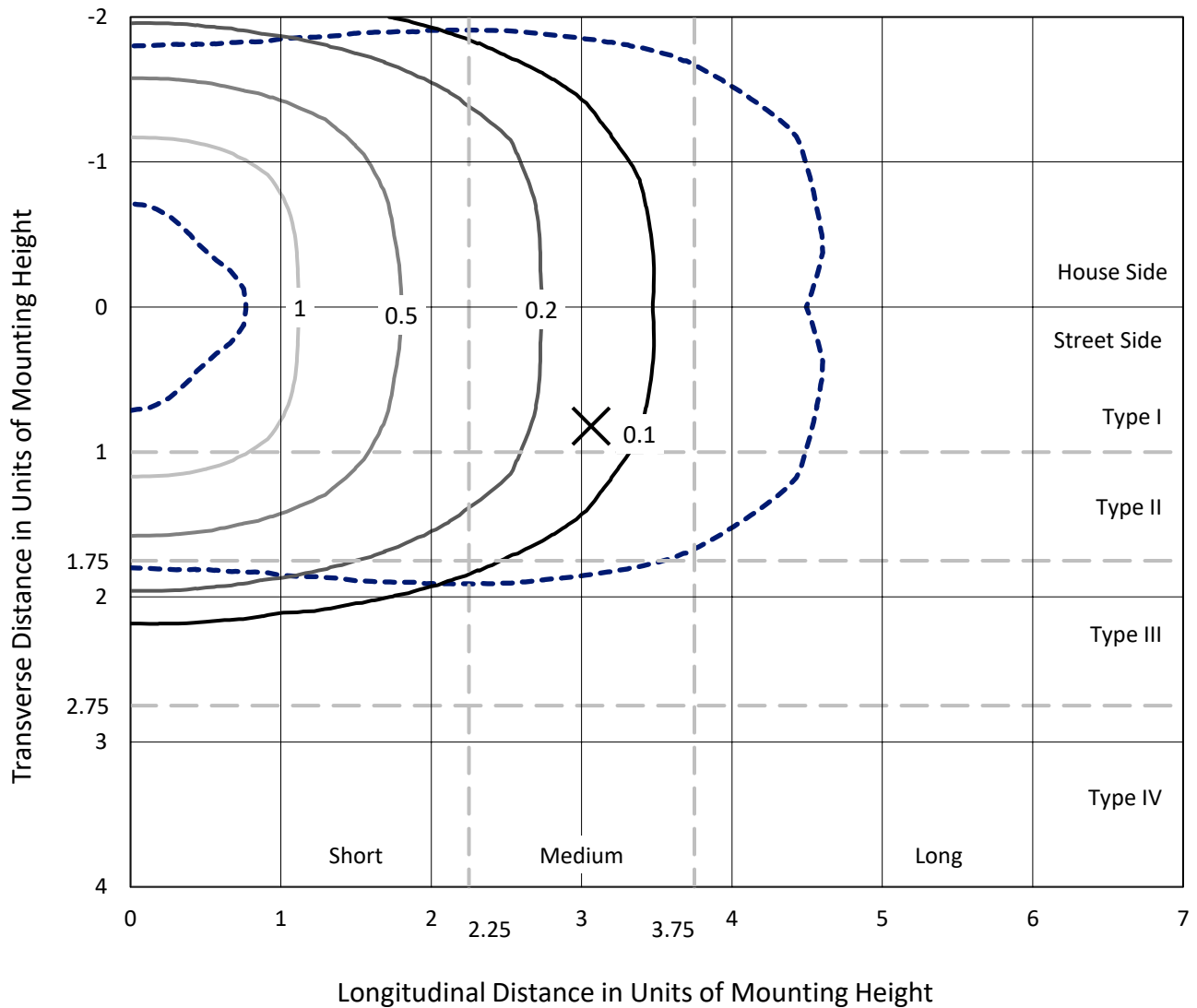
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946073
 CATALOG NUMBER: GALN-SB1D-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

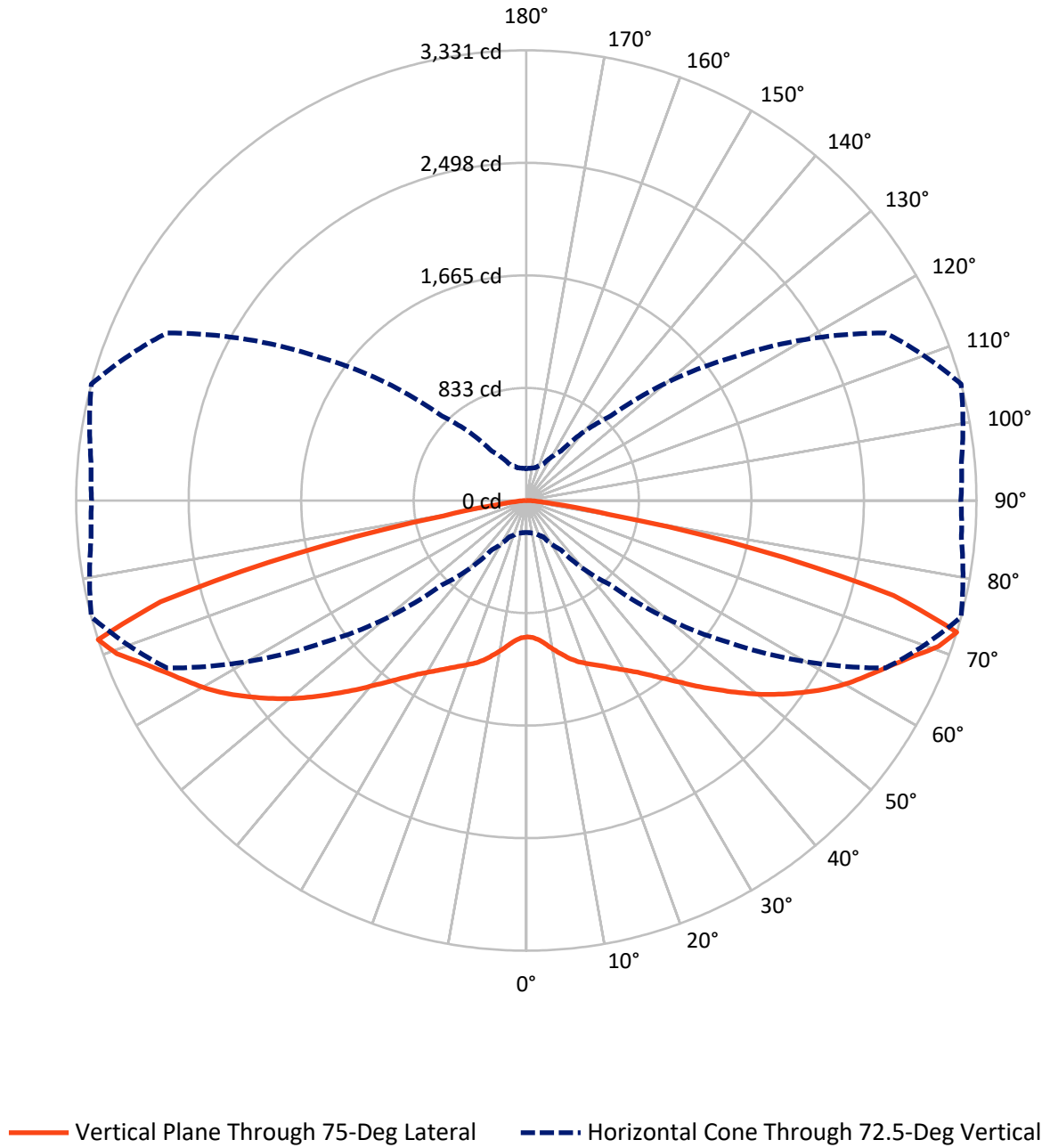
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P946073
CATALOG NUMBER: GALN-SB1D-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P946073
 CATALOG NUMBER: GALN-SB1D-830-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4709.5	0.0	4709.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4709.5	0.0	4709.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9419.0	0.0	9419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.0
10°-20°	326.0	3.5
20°-30°	629.9	6.7
30°-40°	1063.6	11.3
40°-50°	1686.7	17.9
50°-60°	2258.4	24.0
60°-70°	2149.2	22.8
70°-80°	1121.5	11.9
80°-90°	84.9	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°	9419.0	100.0
0°-180°	9419.0	100.0

Coefficient of Utilization



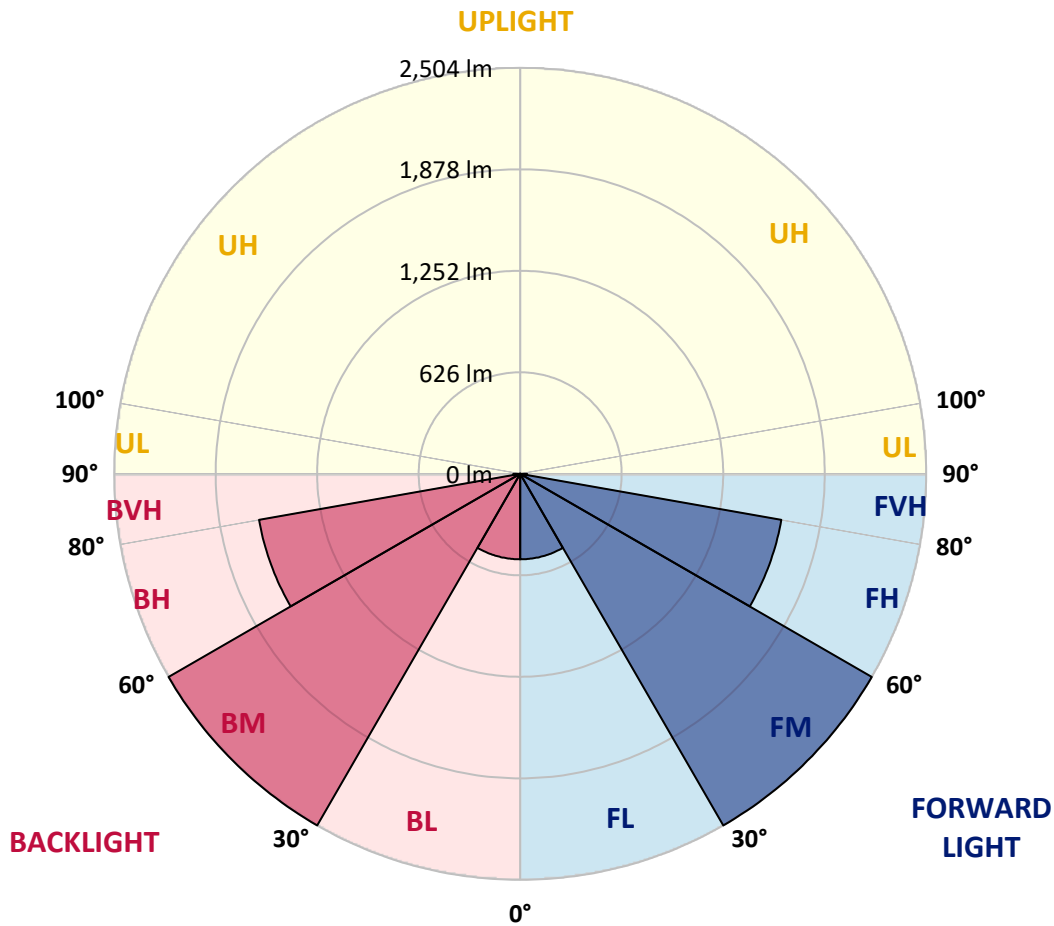
REPORT NUMBER: P946073
 CATALOG NUMBER: GALN-SB1D-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.3	5.6			
FM (30°-60°)	2504.3	26.6			
FH (60°-80°)	1635.4	17.4			G1/1800
FVH (80°-90°)	42.4	0.5			G1/100
BL (0°-30°)	527.3	5.6	B2/1000		
BM (30°-60°)	2504.3	26.6	B3/5000		
BH (60°-80°)	1635.4	17.4	B3/2500		G3/2500
BVH (80°-90°)	42.4	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: P946073

CATALOG NUMBER: GALN-SB1D-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1008.9	1008.9	1008.9	1008.9	1008.9	1008.9	1008.9	1008.9	1008.9	1008.9
2.5°	1008.9	1008.0	1008.9	1009.9	1009.4	1009.4	1011.8	1013.3	1016.2	1015.7
5°	1002.2	1001.7	1005.6	1009.9	1013.3	1019.0	1026.3	1031.5	1038.3	1039.7
7.5°	998.8	997.4	1004.1	1011.8	1022.4	1036.8	1050.8	1065.2	1076.8	1080.6
10°	1001.2	1001.7	1010.9	1025.3	1042.1	1062.3	1082.0	1106.6	1122.9	1126.8
12.5°	1012.3	1011.3	1026.7	1049.8	1072.9	1098.4	1121.5	1148.4	1166.2	1175.3
15°	1032.5	1030.6	1052.2	1086.4	1120.0	1149.8	1168.6	1194.1	1214.8	1226.3
17.5°	1056.6	1057.5	1085.9	1130.1	1174.4	1208.0	1225.8	1238.8	1254.7	1264.8
20°	1098.9	1100.8	1132.5	1185.0	1235.5	1273.9	1288.4	1283.5	1287.9	1295.6
22.5°	1155.6	1156.6	1192.2	1248.9	1301.8	1344.1	1353.8	1334.0	1322.0	1327.3
25°	1221.5	1227.8	1263.3	1321.5	1375.9	1416.3	1420.6	1390.8	1361.0	1362.4
27.5°	1301.8	1307.6	1343.7	1401.4	1456.7	1491.8	1491.3	1451.4	1407.6	1396.6
30°	1388.9	1395.1	1432.1	1491.8	1543.2	1574.0	1567.3	1519.7	1457.1	1436.5
32.5°	1492.3	1496.1	1533.6	1593.2	1640.9	1665.4	1651.4	1592.8	1514.9	1491.3
35°	1617.3	1623.1	1651.0	1707.2	1749.1	1769.3	1745.7	1676.4	1588.9	1562.5
37.5°	1760.1	1756.3	1788.0	1838.0	1872.7	1885.2	1852.9	1770.7	1673.6	1642.3
40°	1909.2	1907.3	1941.9	1990.0	2008.7	2016.4	1968.8	1878.9	1771.2	1737.5
42.5°	2044.3	2042.9	2089.5	2142.9	2165.5	2156.9	2096.8	1993.8	1884.2	1845.7
45°	2152.5	2150.6	2207.8	2282.9	2327.1	2312.7	2231.9	2120.8	1998.7	1958.7
47.5°	2235.7	2236.7	2298.3	2391.1	2468.5	2473.8	2369.9	2250.2	2124.6	2079.4
50°	2295.9	2298.7	2364.6	2467.5	2573.3	2620.0	2510.8	2382.9	2255.0	2204.0
52.5°	2310.8	2316.0	2395.4	2516.1	2640.7	2729.6	2654.1	2510.3	2378.6	2330.0
55°	2231.4	2242.0	2342.5	2512.3	2682.0	2801.8	2780.1	2639.7	2503.1	2453.1
57.5°	2049.1	2064.1	2181.4	2403.1	2672.9	2851.3	2877.7	2763.8	2627.7	2579.6
60°	1793.8	1811.6	1924.1	2166.0	2544.0	2869.6	2946.5	2884.5	2742.1	2695.5
62.5°	1408.6	1431.7	1566.3	1850.1	2271.8	2784.5	3005.2	2993.6	2845.0	2786.9
65°	903.6	928.2	1070.0	1405.2	1908.7	2523.8	3023.5	3099.9	2953.7	2872.5
67.5°	544.9	555.9	626.1	851.7	1395.1	2130.9	2868.6	3217.8	3080.7	2979.7
70°	348.7	354.9	396.7	500.1	788.7	1554.8	2484.8	3239.9	3234.6	3089.8
72.5°	236.6	238.5	249.6	296.2	446.3	883.4	1832.7	2933.1	3330.8	3231.7
75°	173.1	183.7	201.5	209.7	253.4	441.5	1050.3	2060.7	2807.1	2850.3
77.5°	128.9	129.4	153.9	163.5	180.8	235.2	444.4	1150.3	1742.8	1829.9
80°	109.2	103.4	102.9	131.8	136.1	146.7	198.6	397.2	624.2	378.5
82.5°	90.9	84.6	76.5	102.9	92.8	89.9	86.1	161.6	198.6	97.6
85°	63.5	60.6	57.7	67.3	52.9	45.2	41.4	75.5	83.7	41.4
87.5°	27.4	28.4	28.9	29.8	22.1	15.9	15.9	21.2	21.2	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1008.9
1015.2
1039.7
1081.6
1130.6
1179.2
1230.6
1269.6
1301.3
1331.2
1364.8
1399.9
1438.9
1497.1
1566.3
1648.1
1748.6
1855.3
1967.9
2092.9
2219.4
2342.5
2467.1
2590.6
2705.6
2793.6
2882.6
2987.4
3088.9
3216.3
2745.5
1632.2
286.1
83.2
36.5
12.0
0.0

OF REPORT)