

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: P946094

Luminaire Tested: **GALN-SB1D-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946094
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-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9723 lumens
Efficiency: N/A
Efficacy: 122.1 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

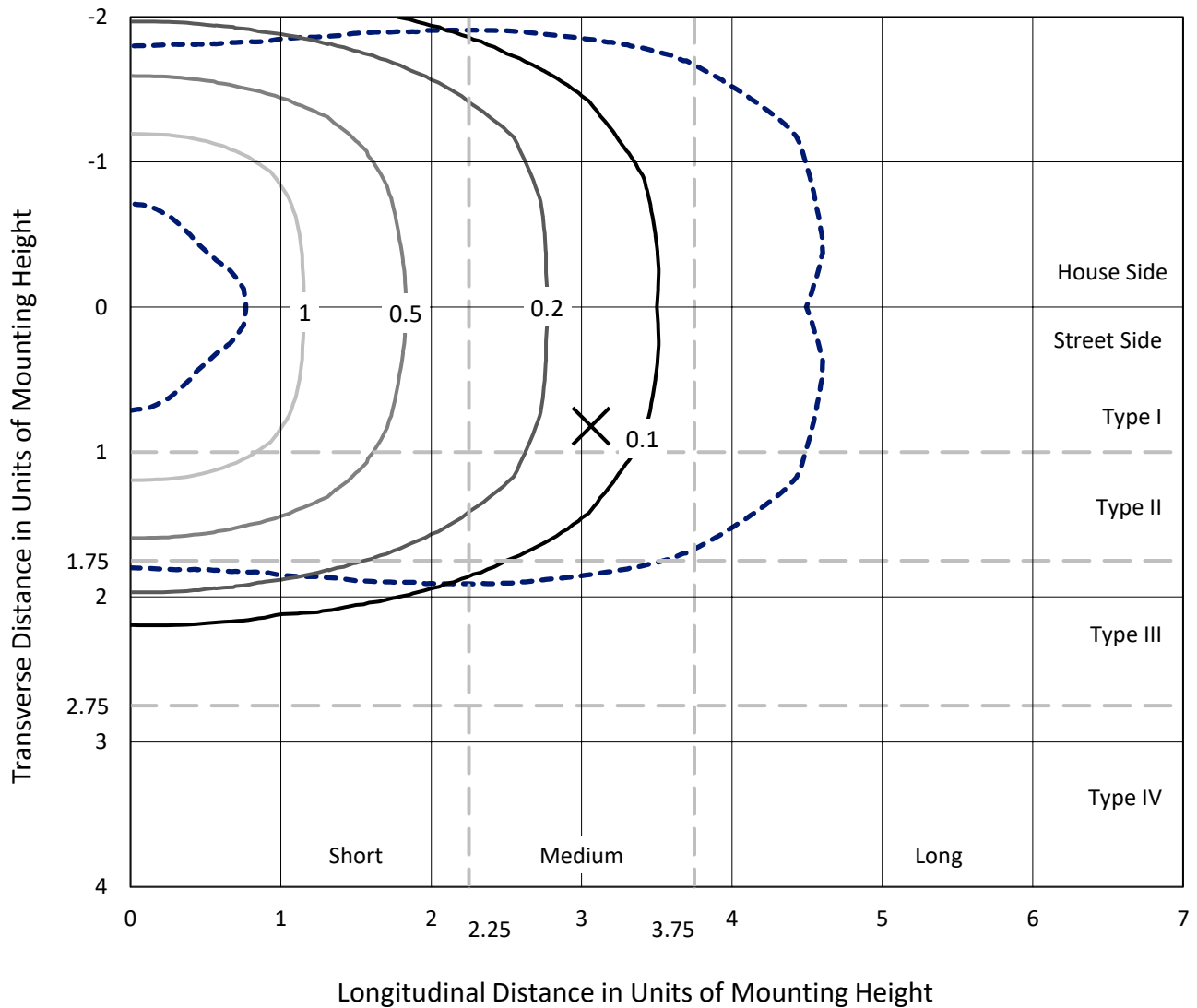
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

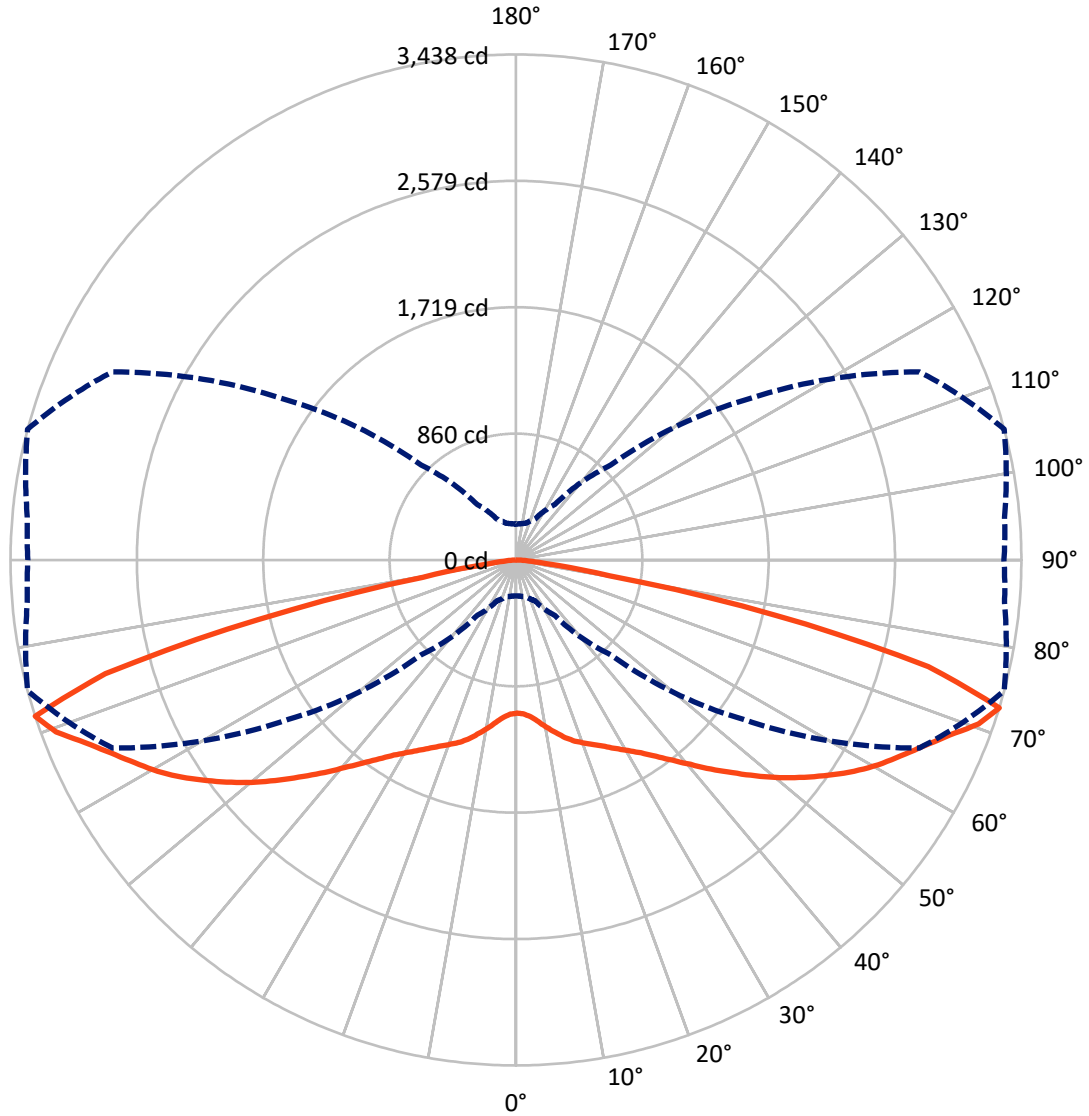
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4861.5	0.0	4861.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4861.5	0.0	4861.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9723.0	0.0	9723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	1.0
10°-20°	336.5	3.5
20°-30°	650.2	6.7
30°-40°	1097.9	11.3
40°-50°	1741.2	17.9
50°-60°	2331.2	24.0
60°-70°	2218.6	22.8
70°-80°	1157.7	11.9
80°-90°	87.6	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°	9723.0	100.0
0°-180°	9723.0	100.0

Coefficient of Utilization



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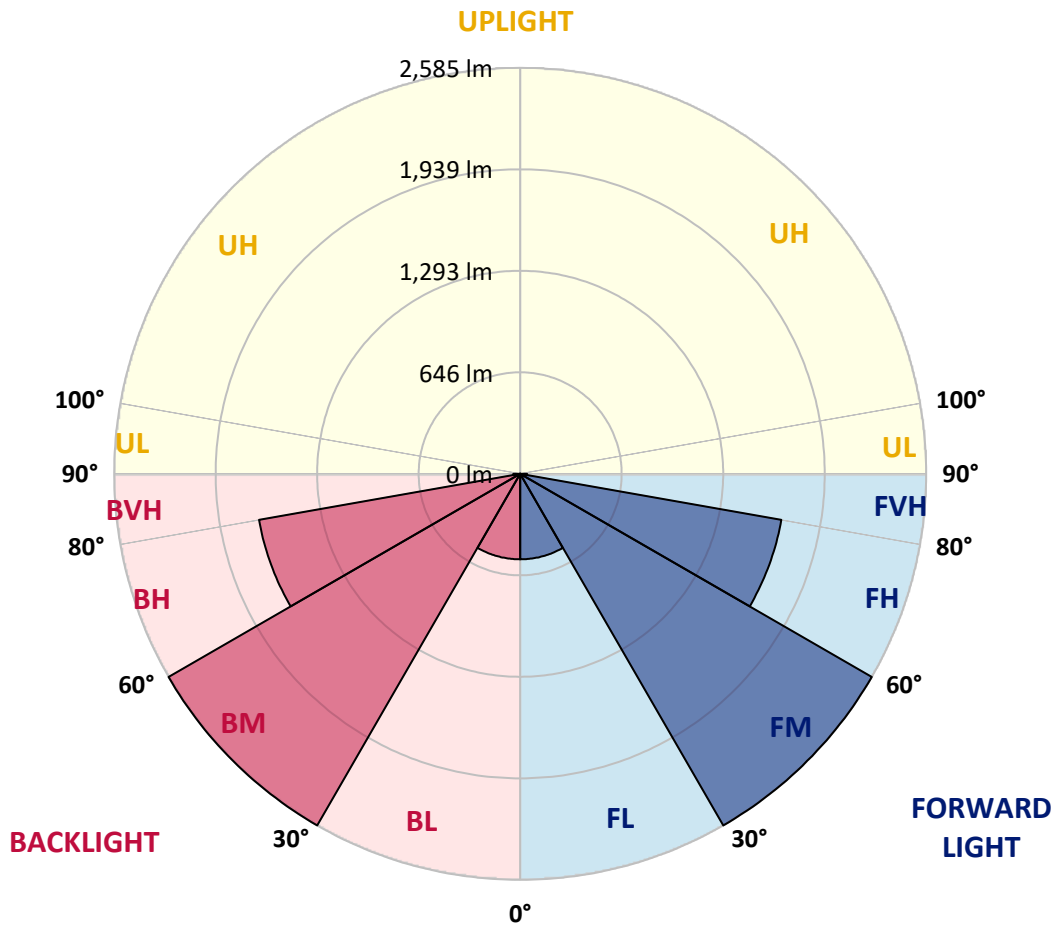
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.4	5.6			
FM (30°-60°)	2585.2	26.6			
FH (60°-80°)	1688.2	17.4			G1/1800
FVH (80°-90°)	43.8	0.5			G1/100
BL (0°-30°)	544.4	5.6	B2/1000		
BM (30°-60°)	2585.2	26.6	B3/5000		
BH (60°-80°)	1688.2	17.4	B3/2500		G3/2500
BVH (80°-90°)	43.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5
2.5°	1041.5	1040.5	1041.5	1042.5	1042.0	1042.0	1044.5	1046.0	1049.0	1048.5
5°	1034.6	1034.1	1038.0	1042.5	1046.0	1051.9	1059.4	1064.8	1071.8	1073.3
7.5°	1031.1	1029.6	1036.5	1044.5	1055.4	1070.3	1084.7	1099.6	1111.5	1115.5
10°	1033.6	1034.1	1043.5	1058.4	1075.8	1096.6	1117.0	1142.3	1159.2	1163.1
12.5°	1045.0	1044.0	1059.9	1083.7	1107.5	1133.8	1157.7	1185.5	1203.8	1213.3
15°	1065.8	1063.8	1086.2	1121.4	1156.2	1187.0	1206.3	1232.6	1254.0	1265.9
17.5°	1090.7	1091.6	1120.9	1166.6	1212.3	1247.0	1265.4	1278.8	1295.2	1305.6
20°	1134.3	1136.3	1169.1	1223.2	1275.3	1315.0	1329.9	1325.0	1329.4	1337.4
22.5°	1192.9	1193.9	1230.6	1289.2	1343.8	1387.5	1397.4	1377.1	1364.7	1370.1
25°	1260.9	1267.4	1304.1	1364.2	1420.3	1462.0	1466.5	1435.7	1404.9	1406.4
27.5°	1343.8	1349.8	1387.0	1446.6	1503.7	1539.9	1539.4	1498.2	1453.0	1441.6
30°	1433.7	1440.1	1478.4	1539.9	1593.0	1624.8	1617.9	1568.7	1504.2	1482.8
32.5°	1540.4	1544.4	1583.1	1644.7	1693.8	1719.1	1704.7	1644.2	1563.8	1539.4
35°	1669.5	1675.4	1704.2	1762.3	1805.5	1826.4	1802.0	1730.6	1640.2	1612.9
37.5°	1816.9	1813.0	1845.7	1897.4	1933.1	1946.0	1912.7	1827.9	1727.6	1695.3
40°	1970.8	1968.8	2004.6	2054.2	2073.6	2081.5	2032.4	1939.5	1828.3	1793.6
42.5°	2110.3	2108.8	2157.0	2212.1	2235.4	2226.5	2164.4	2058.2	1945.0	1905.3
45°	2222.0	2220.0	2279.1	2356.5	2402.2	2387.3	2303.9	2189.3	2063.2	2022.0
47.5°	2307.9	2308.9	2372.4	2468.2	2548.2	2553.6	2446.4	2322.8	2193.2	2146.6
50°	2370.0	2372.9	2440.9	2547.2	2656.4	2704.5	2591.9	2459.8	2327.8	2275.1
52.5°	2385.3	2390.8	2472.7	2597.3	2725.9	2817.7	2739.8	2591.4	2455.3	2405.2
55°	2303.4	2314.4	2418.1	2593.3	2768.6	2892.2	2869.9	2724.9	2583.9	2532.3
57.5°	2115.3	2130.7	2251.8	2480.7	2759.2	2943.3	2970.6	2853.0	2712.5	2662.8
60°	1851.7	1870.0	1986.2	2235.9	2626.1	2962.2	3041.6	2977.6	2830.6	2782.5
62.5°	1454.0	1477.9	1616.9	1909.8	2345.1	2874.3	3102.2	3090.3	2936.9	2876.8
65°	932.8	958.1	1104.6	1450.6	1970.3	2605.3	3121.0	3200.0	3049.1	2965.2
67.5°	562.5	573.9	646.4	879.2	1440.1	2199.7	2961.2	3321.6	3180.1	3075.9
70°	359.9	366.4	409.6	516.3	814.1	1605.0	2565.0	3344.4	3339.0	3189.6
72.5°	244.2	246.2	257.6	305.8	460.7	911.9	1891.9	3027.7	3438.3	3336.0
75°	178.7	189.6	208.0	216.4	261.6	455.7	1084.2	2127.2	2897.7	2942.3
77.5°	133.0	133.5	158.9	168.8	186.7	242.8	458.7	1187.5	1799.1	1888.9
80°	112.7	106.7	106.2	136.0	140.5	151.4	205.0	410.1	644.4	390.7
82.5°	93.8	87.4	78.9	106.2	95.8	92.8	88.9	166.8	205.0	100.8
85°	65.5	62.6	59.6	69.5	54.6	46.7	42.7	77.9	86.4	42.7
87.5°	28.3	29.3	29.8	30.8	22.8	16.4	16.4	21.8	21.8	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1041.5
1048.0
1073.3
1116.5
1167.1
1217.2
1270.4
1310.6
1343.3
1374.1
1408.9
1445.1
1485.3
1545.4
1616.9
1701.3
1805.0
1915.2
2031.4
2160.5
2291.0
2418.1
2546.7
2674.3
2792.9
2883.8
2975.6
3083.8
3188.6
3320.1
2834.1
1684.9
295.4
85.9
37.7
12.4
0.0

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