

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: P939143

Luminaire Tested: **GALN-SB1C-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6874 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

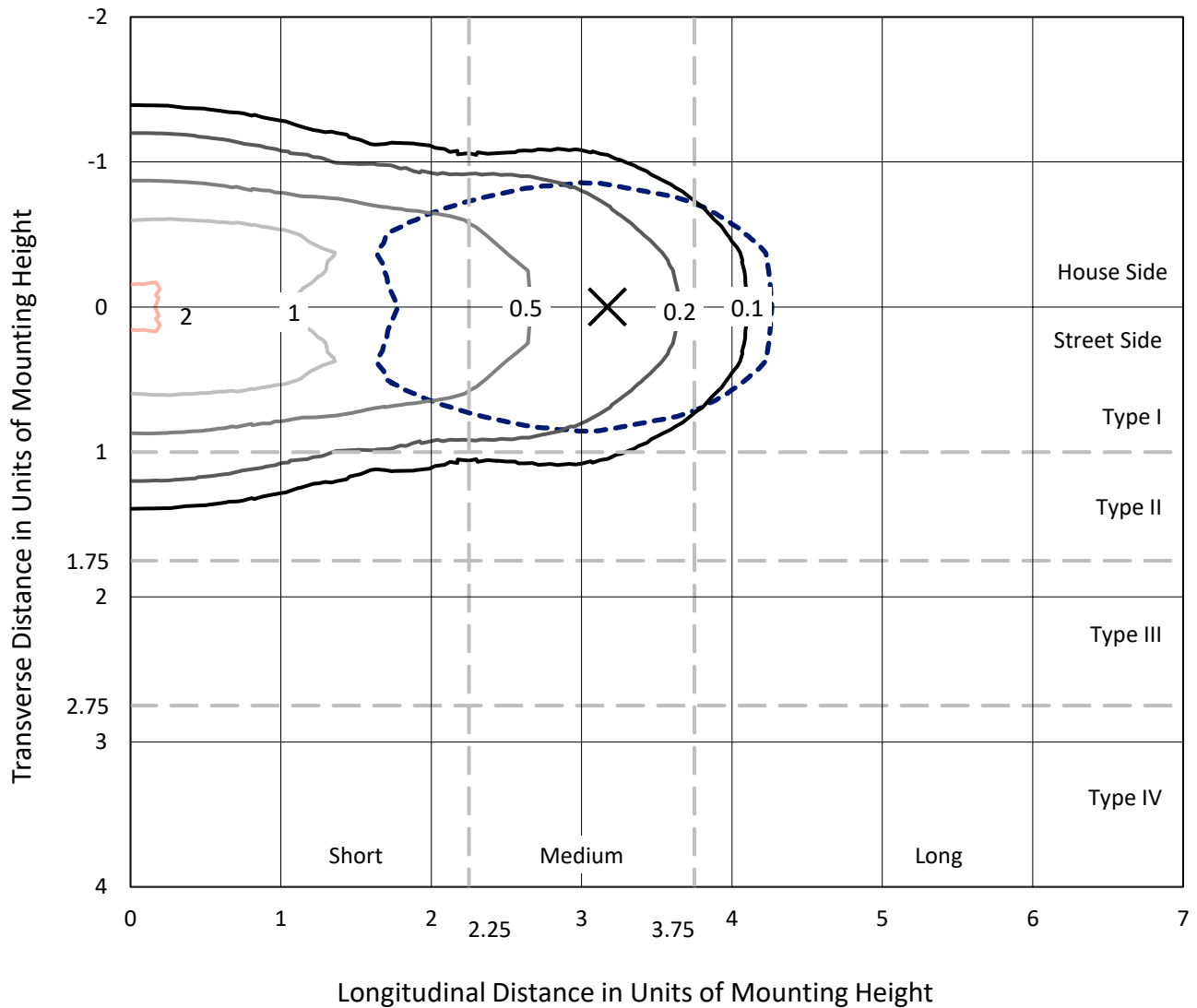
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

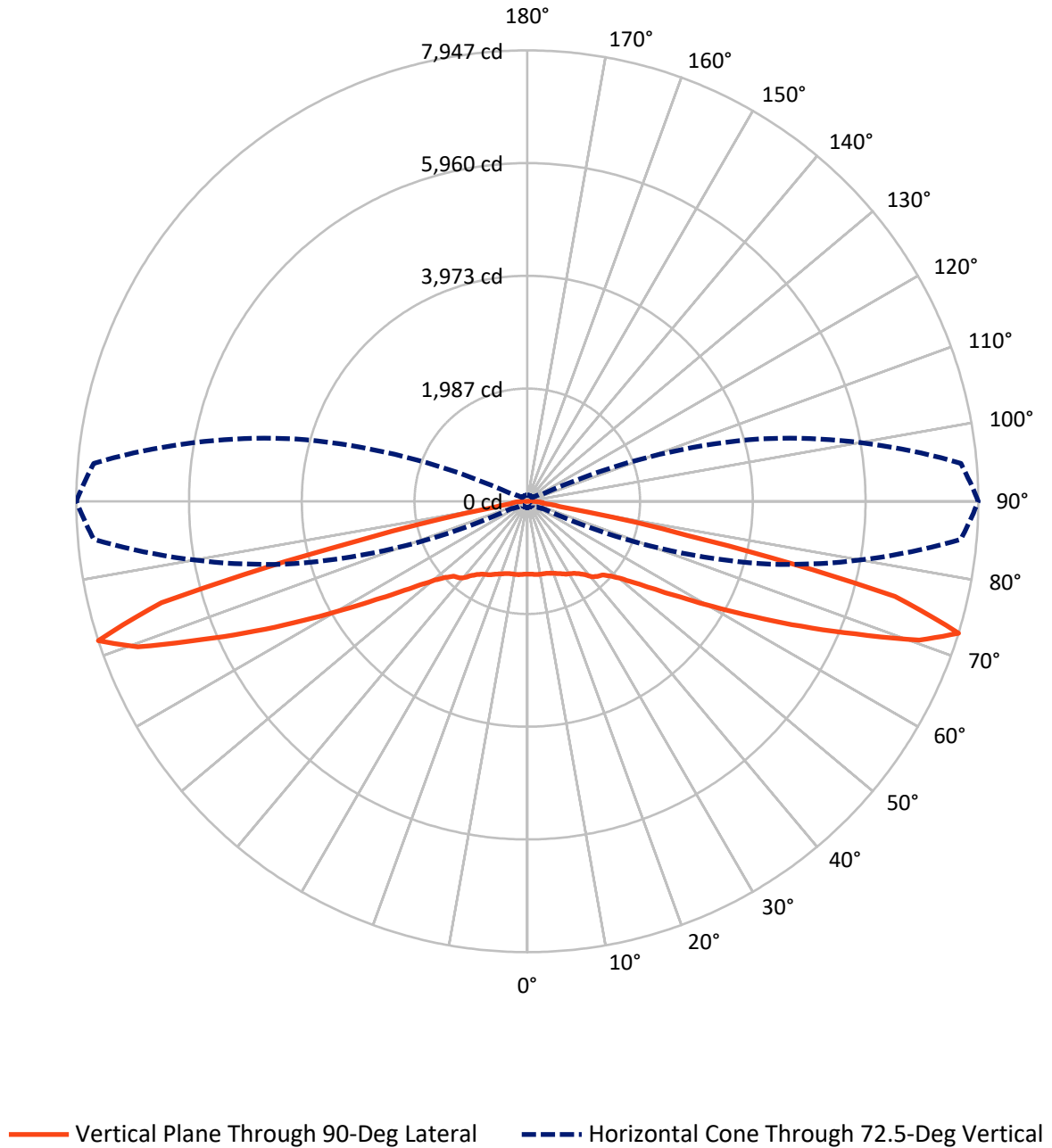
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3437.0	0.0	3437.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3437.0	0.0	3437.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6874.0	0.0	6874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	1.8
10°-20°	380.8	5.5
20°-30°	635.0	9.2
30°-40°	873.3	12.7
40°-50°	1066.5	15.5
50°-60°	1233.5	17.9
60°-70°	1470.8	21.4
70°-80°	1026.5	14.9
80°-90°	63.1	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°	6874.0	100.0
0°-180°	6874.0	100.0

Coefficient of Utilization



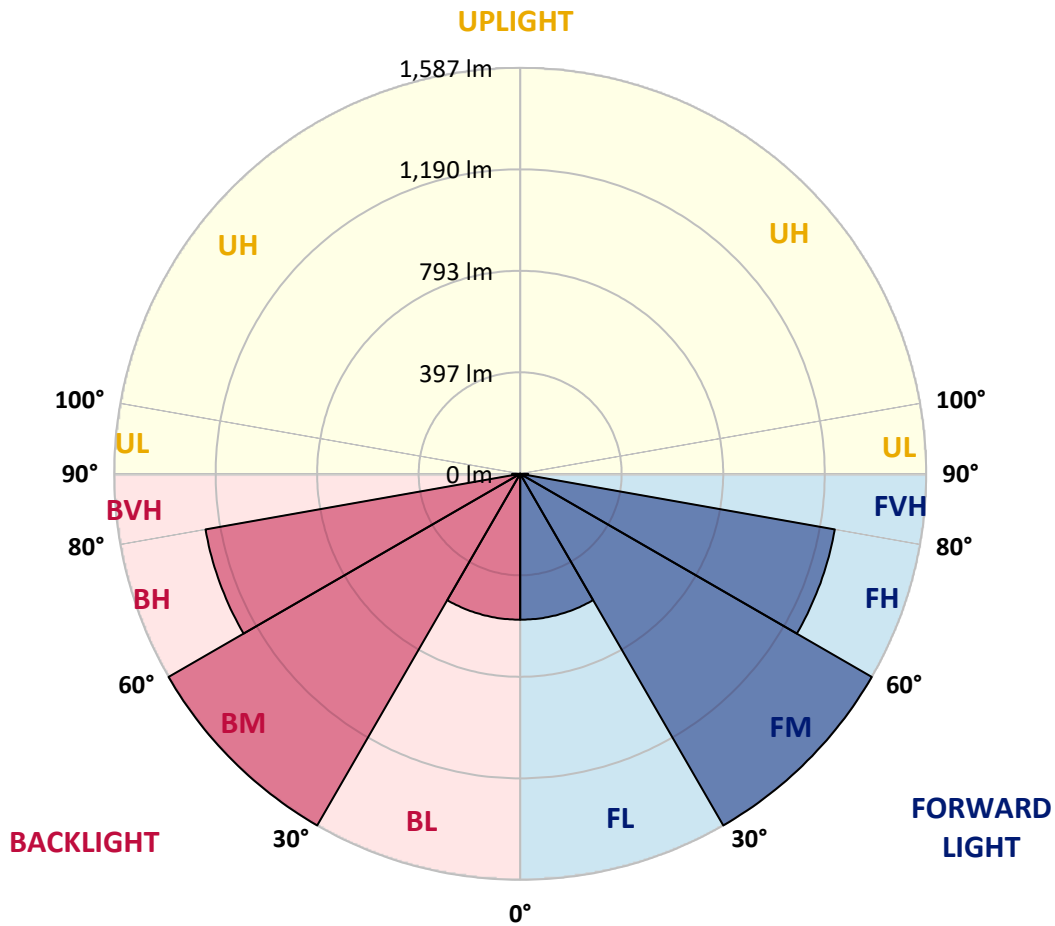
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.2	8.3			
FM (30°-60°)	1586.7	23.1			
FH (60°-80°)	1248.7	18.2			G1/1800
FVH (80°-90°)	31.5	0.5			G1/100
BL (0°-30°)	570.2	8.3	B2/1000		
BM (30°-60°)	1586.7	23.1	B2/2500		
BH (60°-80°)	1248.7	18.2	B3/2500		G3/2500
BVH (80°-90°)	31.5	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1284.5	1284.5	1284.5	1284.5	1284.5	1284.5	1284.5	1284.5	1284.5	1284.5
2.5°	1285.6	1287.0	1287.0	1285.9	1288.5	1286.3	1286.3	1285.2	1286.3	1285.2
5°	1292.2	1294.0	1294.7	1294.3	1297.6	1295.8	1295.8	1294.3	1294.7	1293.6
7.5°	1304.6	1307.1	1308.6	1310.4	1315.2	1313.0	1311.5	1307.1	1305.3	1302.4
10°	1308.6	1311.5	1316.3	1325.8	1336.7	1337.1	1332.7	1321.7	1313.3	1306.8
12.5°	1296.2	1300.2	1310.1	1329.4	1353.9	1363.8	1356.8	1338.5	1322.1	1310.4
15°	1280.5	1284.8	1299.8	1329.0	1365.2	1388.2	1387.5	1363.4	1337.1	1318.8
17.5°	1256.0	1260.4	1281.9	1322.8	1374.0	1412.0	1422.2	1397.4	1360.5	1336.0
20°	1211.8	1215.8	1245.8	1303.1	1376.9	1437.2	1463.9	1441.9	1395.9	1362.7
22.5°	1154.4	1160.6	1195.7	1269.1	1370.0	1463.5	1511.3	1496.4	1437.2	1391.2
25°	1093.0	1099.6	1140.5	1227.5	1352.1	1482.5	1567.6	1558.1	1483.9	1426.6
27.5°	1040.1	1047.0	1091.6	1186.2	1324.3	1489.8	1623.1	1627.9	1540.6	1465.7
30°	998.4	1005.0	1052.5	1153.0	1288.5	1482.5	1671.7	1704.6	1598.3	1499.7
32.5°	952.8	961.2	1011.2	1112.4	1246.1	1464.9	1714.1	1787.5	1665.1	1536.2
35°	895.0	902.7	955.3	1056.9	1190.6	1436.8	1749.5	1879.6	1760.9	1591.7
37.5°	824.9	832.2	884.4	987.5	1135.4	1397.4	1776.6	1983.3	1874.8	1671.7
40°	754.4	761.3	810.3	910.0	1069.3	1346.9	1786.1	2084.9	2005.6	1781.7
42.5°	689.7	695.9	740.9	833.7	995.1	1282.7	1773.6	2173.3	2122.9	1858.4
45°	630.2	635.7	675.5	762.1	918.1	1204.5	1736.4	2268.3	2262.5	1913.2
47.5°	562.2	567.7	609.0	692.7	841.0	1112.8	1673.2	2361.8	2456.4	2037.4
50°	479.3	484.1	526.4	612.6	761.0	1015.2	1585.5	2435.3	2701.2	2225.6
52.5°	381.0	386.1	427.4	513.6	666.0	910.4	1470.1	2483.1	2984.0	2500.3
55°	283.5	287.1	322.9	400.4	548.4	790.9	1325.4	2496.6	3304.7	2875.8
57.5°	205.7	207.9	230.9	288.6	415.7	641.5	1149.7	2461.6	3686.5	3357.3
60°	166.6	167.3	174.3	199.8	289.0	472.7	937.4	2341.0	4100.8	3978.0
62.5°	151.2	151.2	153.1	160.0	195.4	312.0	680.6	2091.1	4545.0	4762.4
65°	140.6	140.6	141.4	144.7	154.2	198.7	429.6	1684.1	4919.5	5681.2
67.5°	131.2	131.5	131.2	132.2	137.7	146.9	249.2	1163.2	5121.1	6633.2
70°	121.3	122.0	120.2	120.2	124.6	124.9	156.0	637.9	4953.8	7431.1
72.5°	109.6	110.7	107.8	107.0	110.3	108.9	117.3	306.1	4253.1	7669.2
75°	99.4	100.8	94.3	92.4	92.4	91.3	95.3	157.1	2760.4	6256.2
77.5°	90.2	93.2	82.6	76.7	75.3	72.0	77.8	96.1	1207.4	2937.2
80°	74.5	78.5	68.0	61.0	58.5	54.8	61.4	67.2	359.1	682.1
82.5°	55.5	57.4	48.2	43.5	41.3	38.7	46.0	46.8	116.9	241.5
85°	35.4	36.2	29.6	25.6	24.5	23.4	29.2	25.6	44.6	177.5
87.5°	12.4	14.2	11.3	10.2	11.0	9.1	13.5	7.7	12.4	125.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1284.5
1285.2
1293.6
1302.4
1305.7
1308.6
1315.9
1332.0
1356.4
1382.8
1414.9
1453.3
1481.8
1513.5
1566.5
1638.1
1745.9
1812.4
1851.1
1965.8
2135.7
2389.6
2737.4
3183.1
3758.5
4468.3
5309.3
6231.7
7325.5
7946.9
6691.6
2876.2
653.2
272.9
257.9
155.3
0.0

OF REPORT)