

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: P939083

Luminaire Tested: **GALN-SB1C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939083
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7411 lumens
Efficiency: N/A
Efficacy: 136.2 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

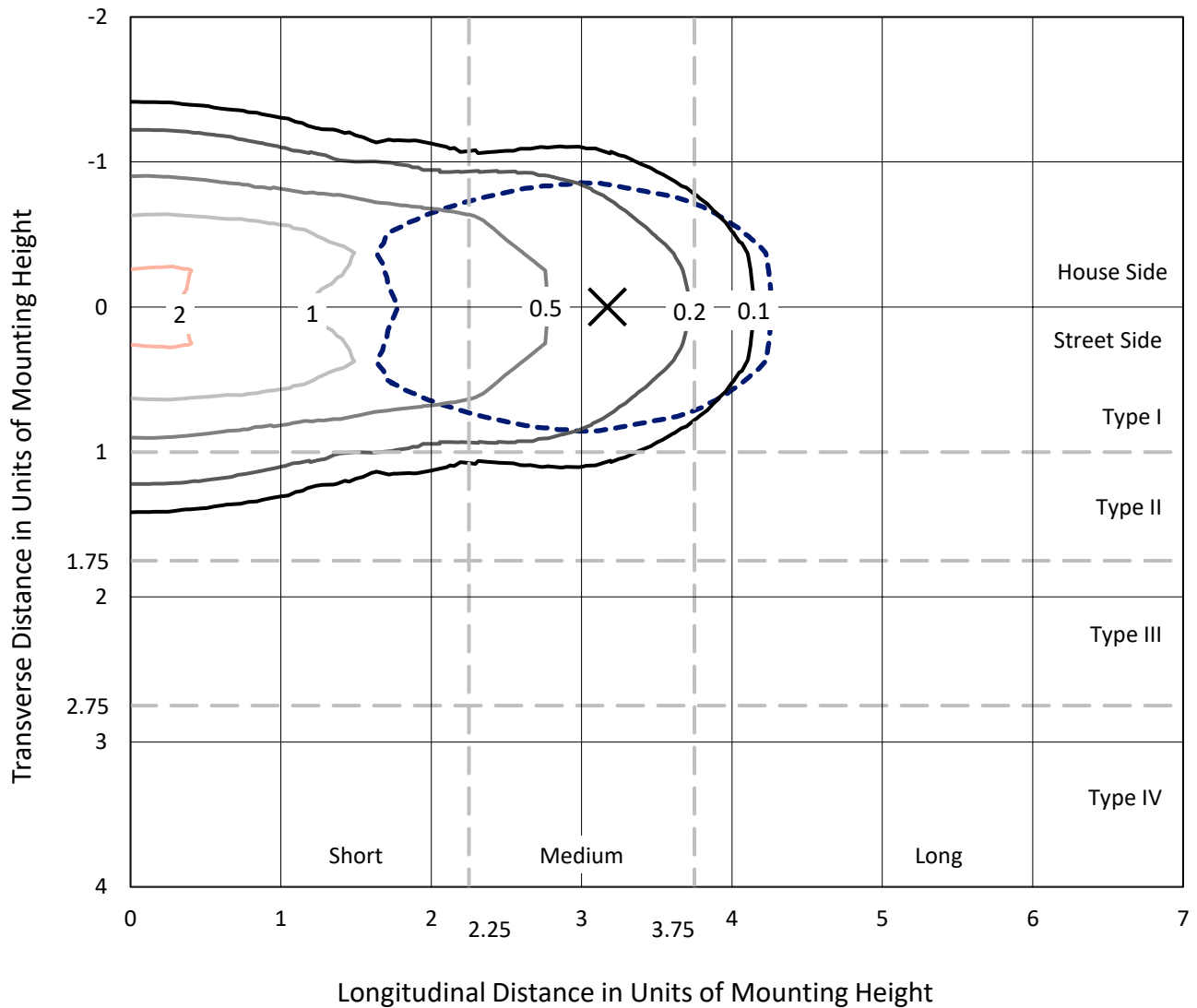
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

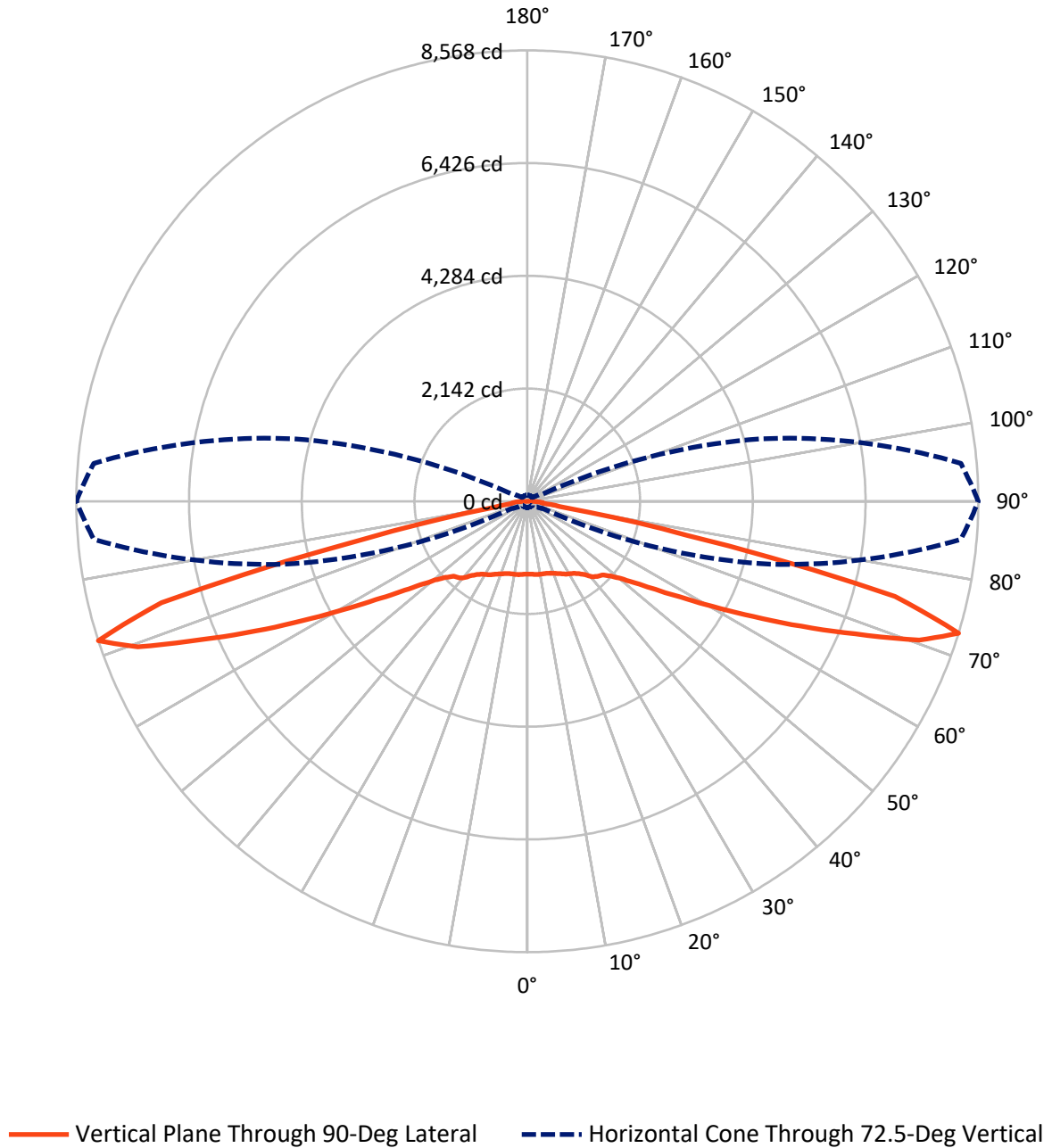
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	3705.5	0.0	3705.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3705.5	0.0	3705.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7411.0	0.0	7411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	1.8
10°-20°	410.6	5.5
20°-30°	684.6	9.2
30°-40°	941.5	12.7
40°-50°	1149.8	15.5
50°-60°	1329.9	17.9
60°-70°	1585.7	21.4
70°-80°	1106.7	14.9
80°-90°	68.0	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°	7411.0	100.0
0°-180°	7411.0	100.0

Coefficient of Utilization



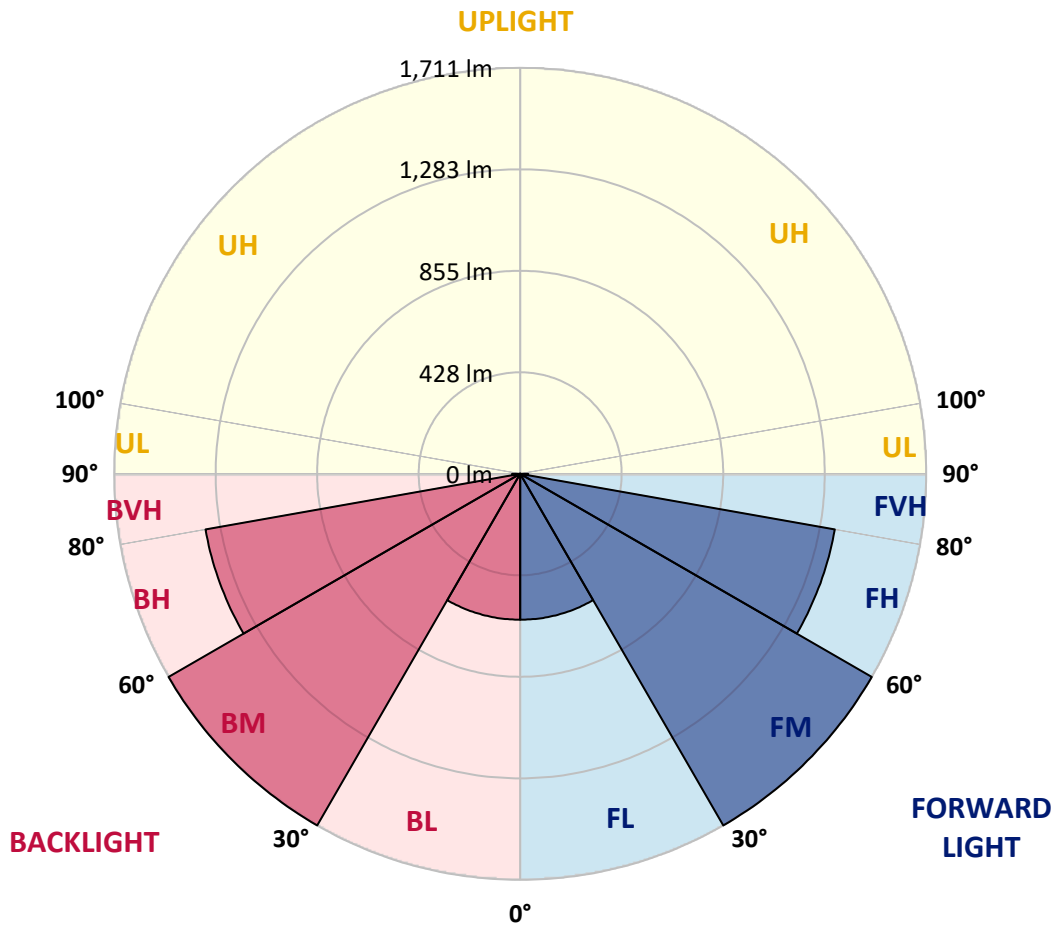
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.7	8.3			
FM (30°-60°)	1710.6	23.1			
FH (60°-80°)	1346.2	18.2			G1/1800
FVH (80°-90°)	34.0	0.5			G1/100
BL (0°-30°)	614.7	8.3	B2/1000		
BM (30°-60°)	1710.6	23.1	B2/2500		
BH (60°-80°)	1346.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	34.0	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8	1384.8
2.5°	1386.0	1387.6	1387.6	1386.4	1389.2	1386.8	1386.8	1385.6	1386.8	1385.6
5°	1393.1	1395.1	1395.9	1395.5	1399.0	1397.0	1397.0	1395.5	1395.9	1394.7
7.5°	1406.5	1409.2	1410.8	1412.8	1417.9	1415.5	1414.0	1409.2	1407.3	1404.1
10°	1410.8	1414.0	1419.1	1429.3	1441.1	1441.5	1436.8	1425.0	1415.9	1408.8
12.5°	1397.4	1401.8	1412.4	1433.3	1459.7	1470.3	1462.8	1443.1	1425.4	1412.8
15°	1380.5	1385.2	1401.4	1432.9	1471.9	1496.7	1495.9	1469.9	1441.5	1421.8
17.5°	1354.1	1358.8	1382.1	1426.2	1481.3	1522.3	1533.3	1506.5	1466.7	1440.4
20°	1306.4	1310.8	1343.1	1404.9	1484.5	1549.5	1578.2	1554.6	1505.0	1469.1
22.5°	1244.6	1251.3	1289.1	1368.3	1477.0	1577.8	1629.4	1613.3	1549.5	1499.8
25°	1178.4	1185.5	1229.6	1323.4	1457.7	1598.3	1690.1	1679.8	1599.9	1538.0
27.5°	1121.3	1128.8	1176.9	1278.9	1427.8	1606.2	1749.9	1755.1	1660.9	1580.2
30°	1076.4	1083.5	1134.7	1243.0	1389.2	1598.3	1802.3	1837.8	1723.2	1616.8
32.5°	1027.2	1036.3	1090.2	1199.3	1343.5	1579.4	1848.0	1927.2	1795.2	1656.2
35°	965.0	973.2	1030.0	1139.4	1283.6	1549.1	1886.2	2026.4	1898.4	1716.1
37.5°	889.3	897.2	953.5	1064.6	1224.1	1506.5	1915.4	2138.3	2021.3	1802.3
40°	813.3	820.8	873.6	981.1	1152.8	1452.2	1925.6	2247.8	2162.3	1920.9
42.5°	743.6	750.3	798.8	898.8	1072.9	1382.9	1912.2	2343.1	2288.7	2003.6
45°	679.4	685.3	728.3	821.6	989.8	1298.6	1872.0	2445.5	2439.2	2062.7
47.5°	606.2	612.1	656.6	746.8	906.7	1199.7	1803.9	2546.3	2648.3	2196.6
50°	516.7	521.9	567.6	660.5	820.4	1094.5	1709.4	2625.5	2912.2	2399.4
52.5°	410.8	416.3	460.8	553.8	718.0	981.5	1584.9	2677.1	3217.1	2695.6
55°	305.6	309.6	348.2	431.7	591.2	852.7	1428.9	2691.7	3562.9	3100.5
57.5°	221.7	224.1	248.9	311.2	448.2	691.6	1239.5	2653.9	3974.5	3619.6
60°	179.6	180.4	187.9	215.4	311.5	509.7	1010.7	2523.9	4421.1	4288.8
62.5°	163.1	163.1	165.0	172.5	210.7	336.4	733.8	2254.5	4900.1	5134.4
65°	151.6	151.6	152.4	156.0	166.2	214.3	463.2	1815.7	5303.8	6125.0
67.5°	141.4	141.8	141.4	142.6	148.5	158.3	268.6	1254.1	5521.2	7151.4
70°	130.8	131.6	129.6	129.6	134.3	134.7	168.2	687.7	5340.8	8011.6
72.5°	118.2	119.3	116.2	115.4	118.9	117.4	126.4	330.1	4585.4	8268.4
75°	107.1	108.7	101.6	99.6	99.6	98.5	102.8	169.4	2976.0	6744.9
77.5°	97.3	100.4	89.0	82.7	81.1	77.6	83.9	103.6	1301.7	3166.7
80°	80.3	84.7	73.3	65.8	63.0	59.1	66.2	72.5	387.2	735.3
82.5°	59.9	61.8	52.0	46.9	44.5	41.7	49.6	50.4	126.0	260.3
85°	38.2	39.0	31.9	27.6	26.4	25.2	31.5	27.6	48.1	191.4
87.5°	13.4	15.4	12.2	11.0	11.8	9.8	14.6	8.3	13.4	135.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1384.8
1385.6
1394.7
1404.1
1407.7
1410.8
1418.7
1436.0
1462.4
1490.8
1525.4
1566.8
1597.5
1631.8
1688.9
1766.1
1882.3
1954.0
1995.7
2119.4
2302.5
2576.3
2951.2
3431.7
4052.1
4817.3
5724.0
6718.5
7897.7
8567.7
7214.4
3100.9
704.2
294.2
278.1
167.4
0.0

OF REPORT)