

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: P945611

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945611
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-SB1C-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7714 lumens
Efficiency: N/A
Efficacy: 141.8 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

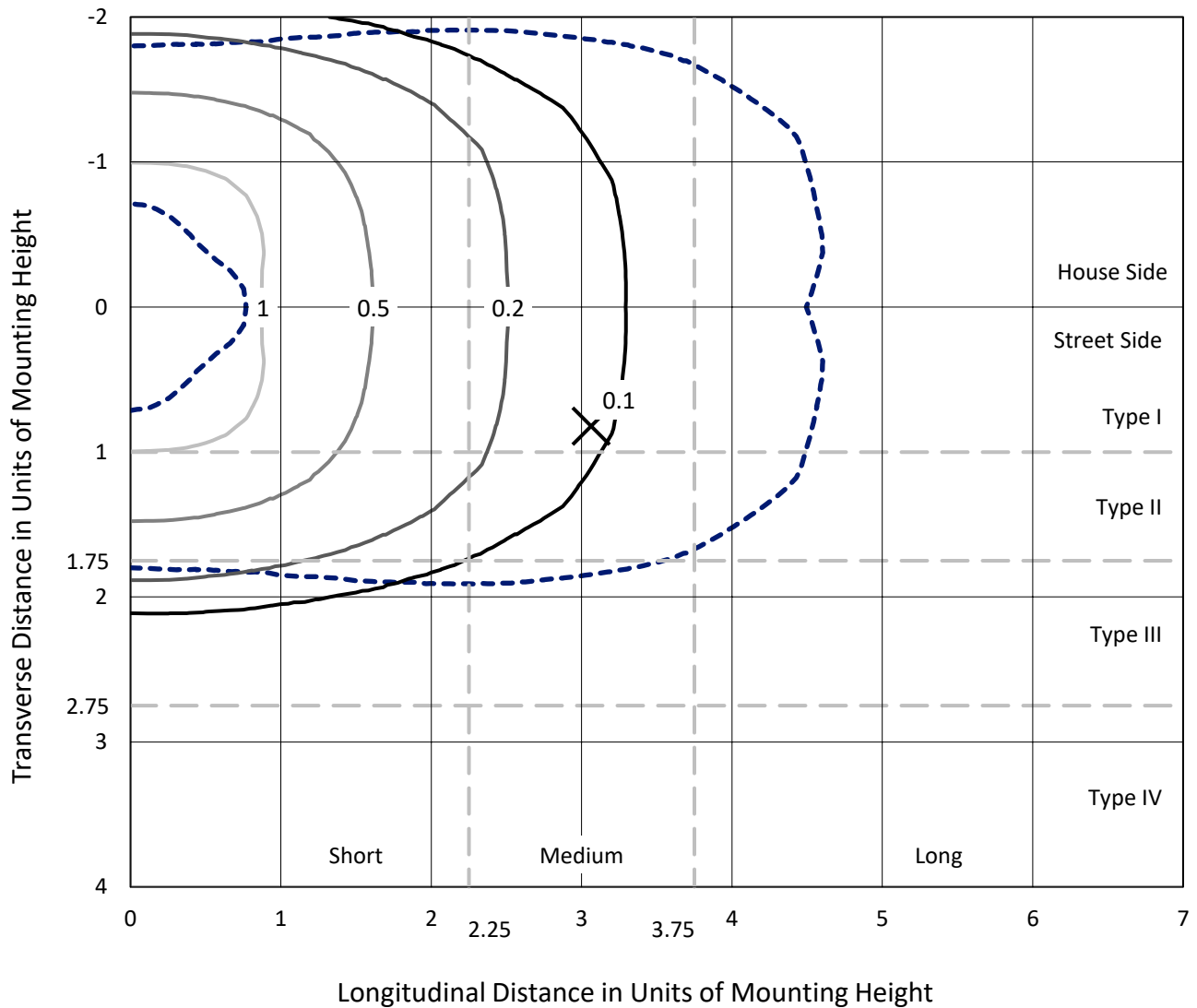
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

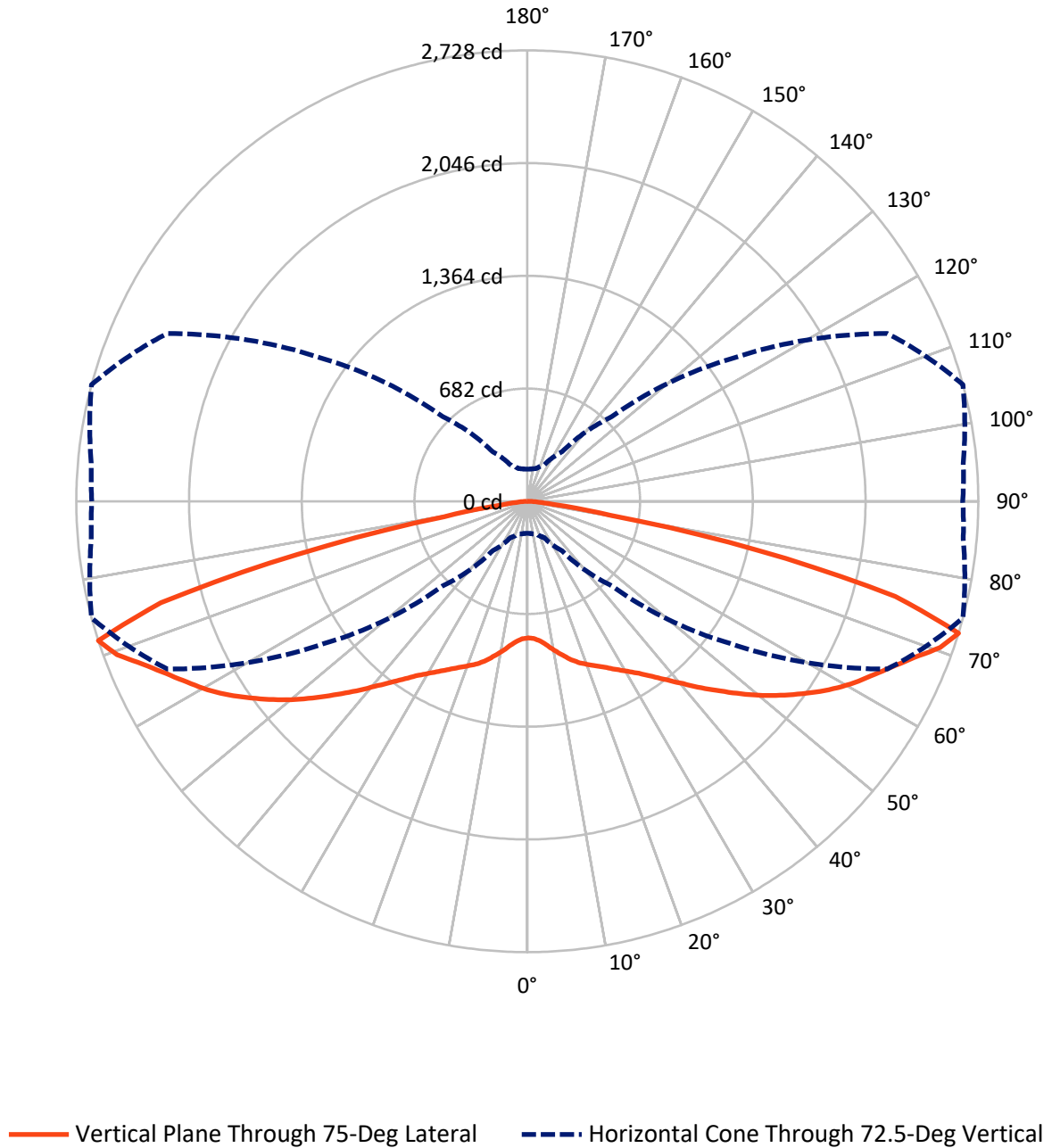
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3857.0	0.0	3857.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3857.0	0.0	3857.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7714.0	0.0	7714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.0
10°-20°	267.0	3.5
20°-30°	515.9	6.7
30°-40°	871.1	11.3
40°-50°	1381.4	17.9
50°-60°	1849.5	24.0
60°-70°	1760.2	22.8
70°-80°	918.5	11.9
80°-90°	69.5	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°	7714.0	100.0
0°-180°	7714.0	100.0

Coefficient of Utilization



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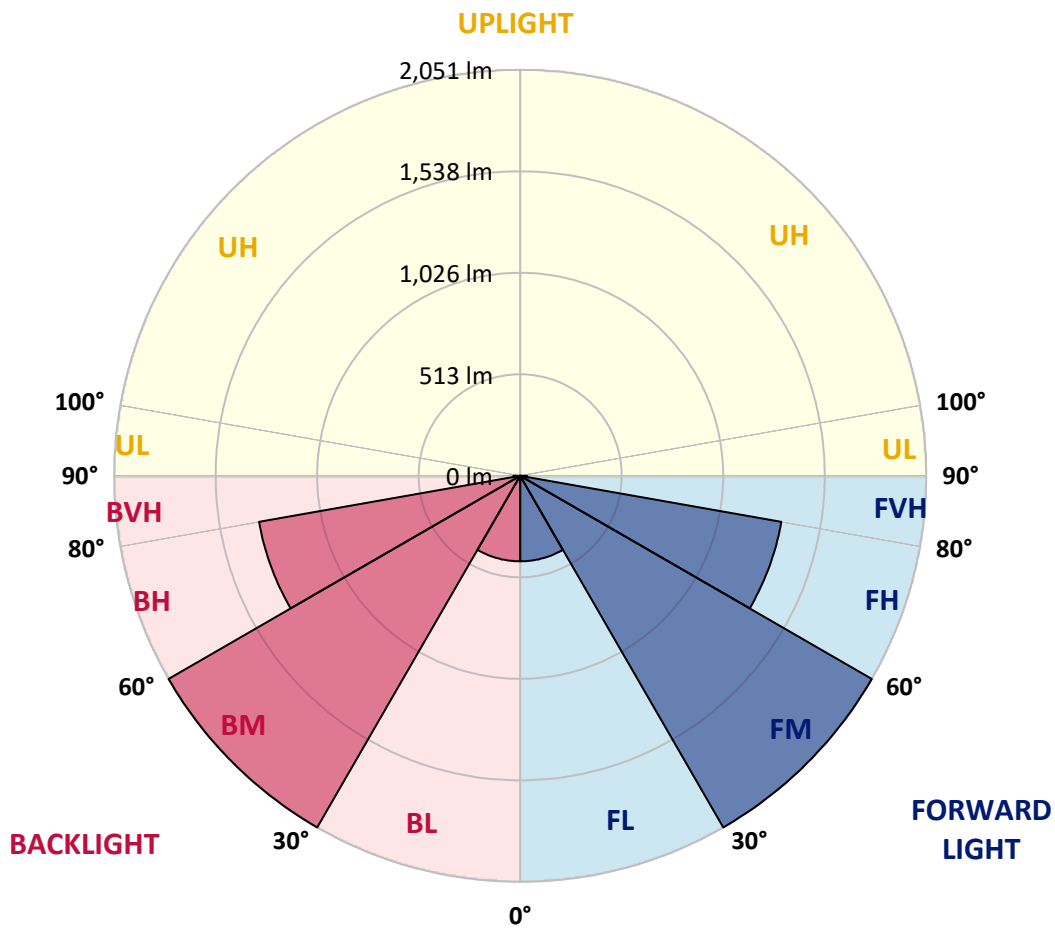
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.9	5.6			
FM (30°-60°)	2051.0	26.6			
FH (60°-80°)	1339.3	17.4			G1/1800
FVH (80°-90°)	34.8	0.5			G1/100
BL (0°-30°)	431.9	5.6	B1/500		
BM (30°-60°)	2051.0	26.6	B2/2500		
BH (60°-80°)	1339.3	17.4	B3/2500		G3/2500
BVH (80°-90°)	34.8	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°	826.3	826.3	826.3	826.3	826.3	826.3	826.3	826.3	826.3	826.3
2.5°	826.3	825.5	826.3	827.1	826.7	826.7	828.7	829.9	832.2	831.8
5°	820.8	820.4	823.6	827.1	829.9	834.6	840.5	844.8	850.3	851.5
7.5°	818.0	816.9	822.4	828.7	837.3	849.2	860.6	872.4	881.8	885.0
10°	820.0	820.4	827.9	839.7	853.5	870.0	886.2	906.3	919.7	922.8
12.5°	829.1	828.3	840.9	859.8	878.7	899.6	918.5	940.5	955.1	962.6
15°	845.6	844.0	861.8	889.7	917.3	941.7	957.1	977.9	994.9	1004.3
17.5°	865.3	866.1	889.3	925.6	961.8	989.4	1003.9	1014.6	1027.6	1035.8
20°	900.0	901.5	927.5	970.5	1011.8	1043.3	1055.1	1051.2	1054.7	1061.0
22.5°	946.4	947.2	976.4	1022.8	1066.2	1100.8	1108.7	1092.6	1082.7	1087.0
25°	1000.4	1005.5	1034.7	1082.3	1126.8	1159.9	1163.4	1139.0	1114.6	1115.8
27.5°	1066.2	1070.9	1100.4	1147.7	1193.0	1221.7	1221.3	1188.7	1152.8	1143.8
30°	1137.5	1142.6	1172.9	1221.7	1263.9	1289.1	1283.6	1244.6	1193.4	1176.4
32.5°	1222.1	1225.3	1256.0	1304.8	1343.8	1363.9	1352.5	1304.4	1240.6	1221.3
35°	1324.5	1329.3	1352.1	1398.2	1432.5	1449.0	1429.7	1373.0	1301.3	1279.6
37.5°	1441.5	1438.4	1464.4	1505.3	1533.7	1543.9	1517.5	1450.2	1370.6	1345.0
40°	1563.6	1562.0	1590.4	1629.8	1645.1	1651.4	1612.4	1538.8	1450.6	1423.0
42.5°	1674.3	1673.1	1711.3	1755.0	1773.5	1766.4	1717.2	1632.9	1543.1	1511.6
45°	1762.9	1761.3	1808.2	1869.6	1905.9	1894.0	1827.9	1736.9	1636.9	1604.2
47.5°	1831.0	1831.8	1882.2	1958.2	2021.7	2026.0	1940.9	1842.8	1740.1	1703.0
50°	1880.3	1882.6	1936.6	2020.9	2107.5	2145.7	2056.3	1951.6	1846.8	1805.0
52.5°	1892.5	1896.8	1961.8	2060.6	2162.7	2235.5	2173.7	2055.9	1948.0	1908.2
55°	1827.5	1836.2	1918.5	2057.5	2196.5	2294.6	2276.9	2161.9	2050.0	2009.1
57.5°	1678.2	1690.4	1786.5	1968.1	2189.0	2335.2	2356.8	2263.5	2152.0	2112.6
60°	1469.1	1483.7	1575.8	1773.9	2083.5	2350.1	2413.1	2362.3	2245.8	2207.6
62.5°	1153.6	1172.5	1282.8	1515.2	1860.6	2280.4	2461.2	2451.7	2330.0	2282.4
65°	740.1	760.1	876.3	1150.8	1563.2	2067.0	2476.2	2538.8	2419.1	2352.5
67.5°	446.2	455.3	512.8	697.5	1142.6	1745.2	2349.3	2635.3	2523.0	2440.3
70°	285.5	290.7	324.9	409.6	645.9	1273.3	2035.0	2653.4	2649.1	2530.5
72.5°	193.8	195.4	204.4	242.6	365.5	723.5	1501.0	2402.1	2727.8	2646.7
75°	141.8	150.5	165.0	171.7	207.6	361.6	860.2	1687.7	2298.9	2334.4
77.5°	105.6	105.9	126.0	133.9	148.1	192.6	363.9	942.1	1427.3	1498.6
80°	89.4	84.7	84.3	107.9	111.5	120.1	162.7	325.3	511.2	310.0
82.5°	74.4	69.3	62.6	84.3	76.0	73.7	70.5	132.3	162.7	80.0
85°	52.0	49.6	47.3	55.1	43.3	37.0	33.9	61.8	68.5	33.9
87.5°	22.4	23.2	23.6	24.4	18.1	13.0	13.0	17.3	17.3	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
826.3
831.4
851.5
885.8
926.0
965.7
1007.9
1039.8
1065.8
1090.2
1117.8
1146.5
1178.4
1226.1
1282.8
1349.7
1432.1
1519.5
1611.7
1714.1
1817.6
1918.5
2020.5
2121.7
2215.8
2287.9
2360.8
2446.6
2529.7
2634.1
2248.5
1336.7
234.3
68.1
29.9
9.8
0.0

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