

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: P939420

Luminaire Tested: **GALN-SB2A-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9074 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

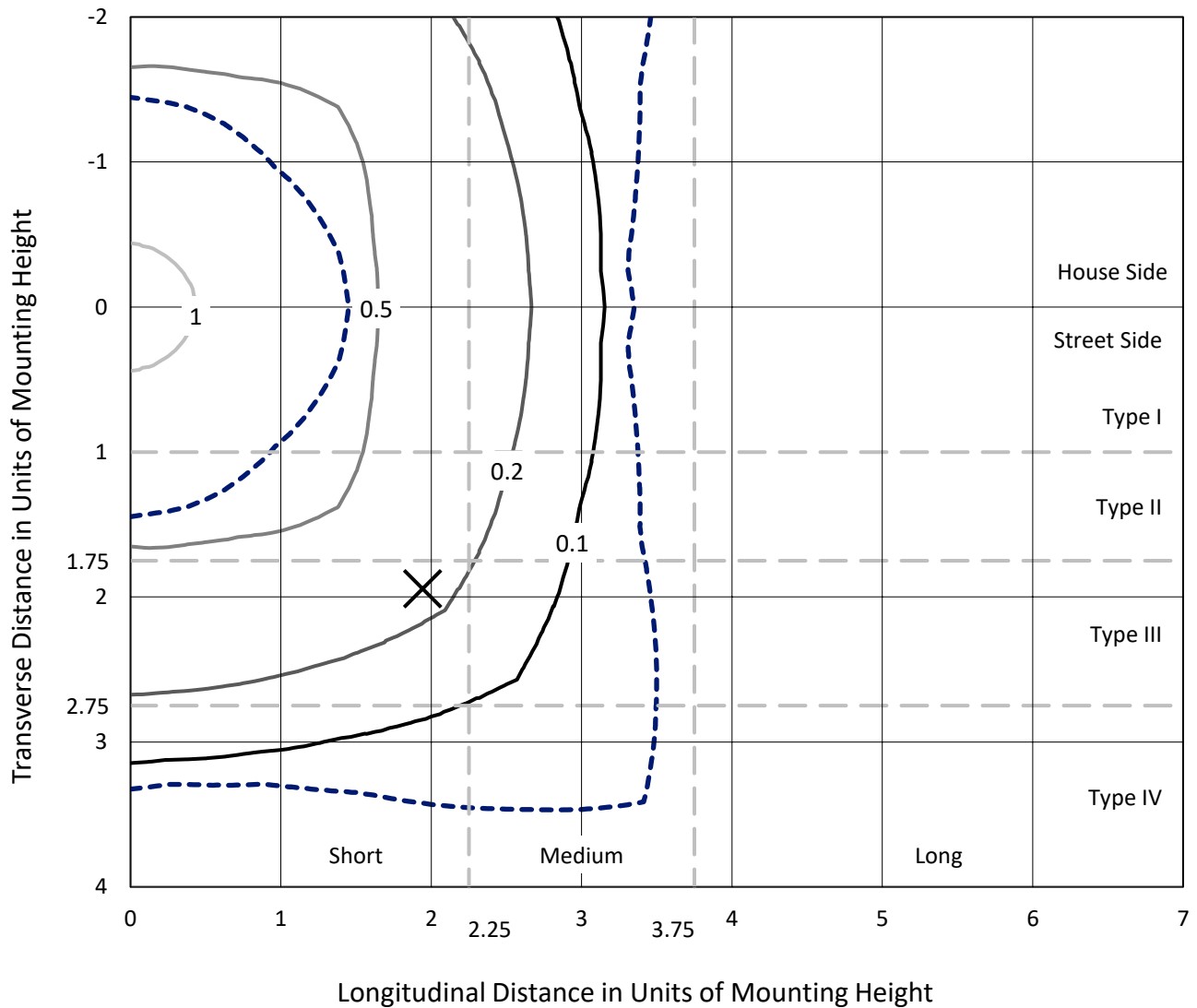
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

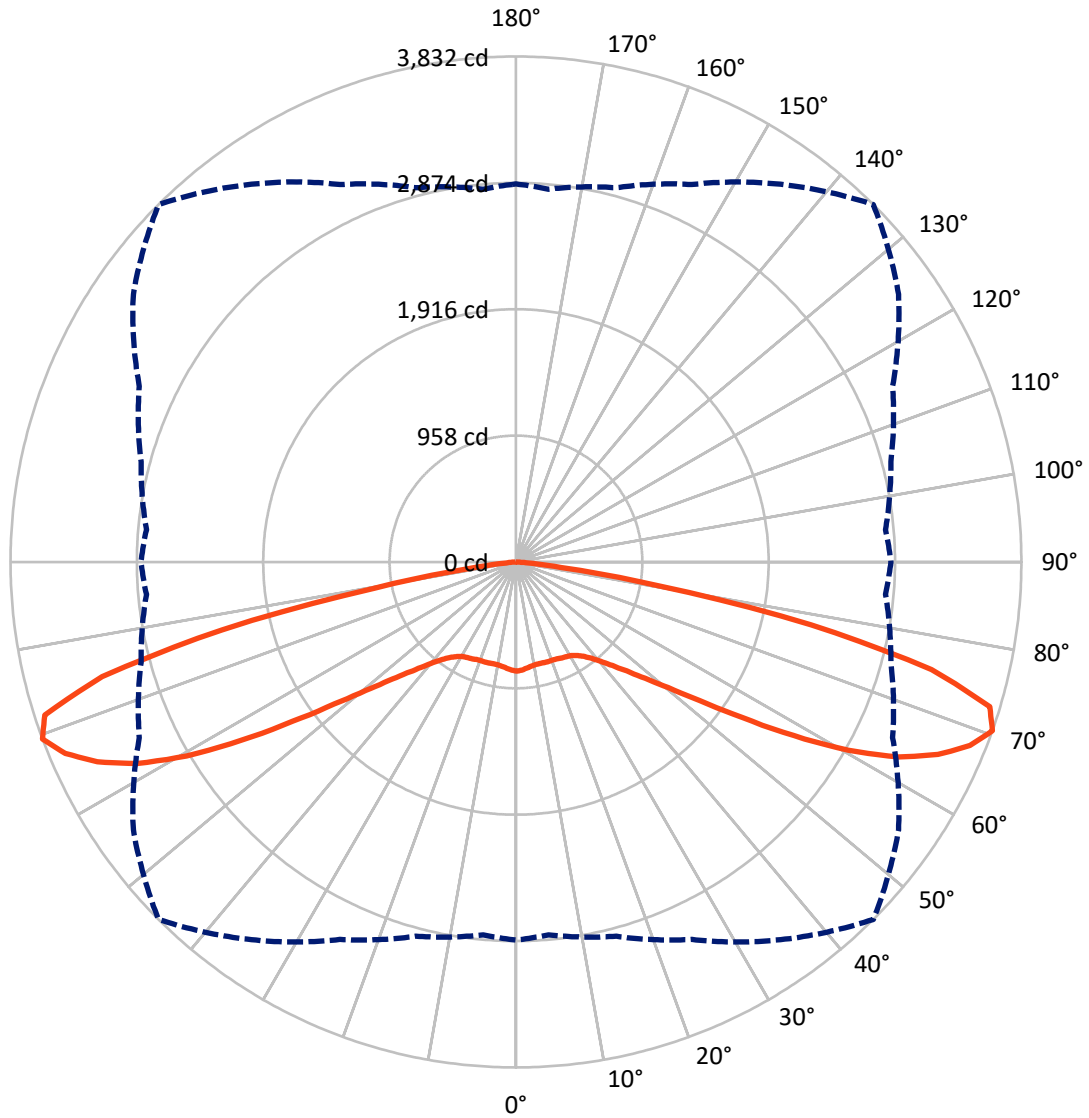
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4537.0	0.0	4537.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4537.0	0.0	4537.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9074.0	0.0	9074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	0.8
10°-20°	226.1	2.5
20°-30°	376.2	4.1
30°-40°	569.0	6.3
40°-50°	945.5	10.4
50°-60°	1784.2	19.7
60°-70°	3012.7	33.2
70°-80°	1979.6	21.8
80°-90°	103.7	1.1
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°	9074.0	100.0
0°-180°	9074.0	100.0

Coefficient of Utilization



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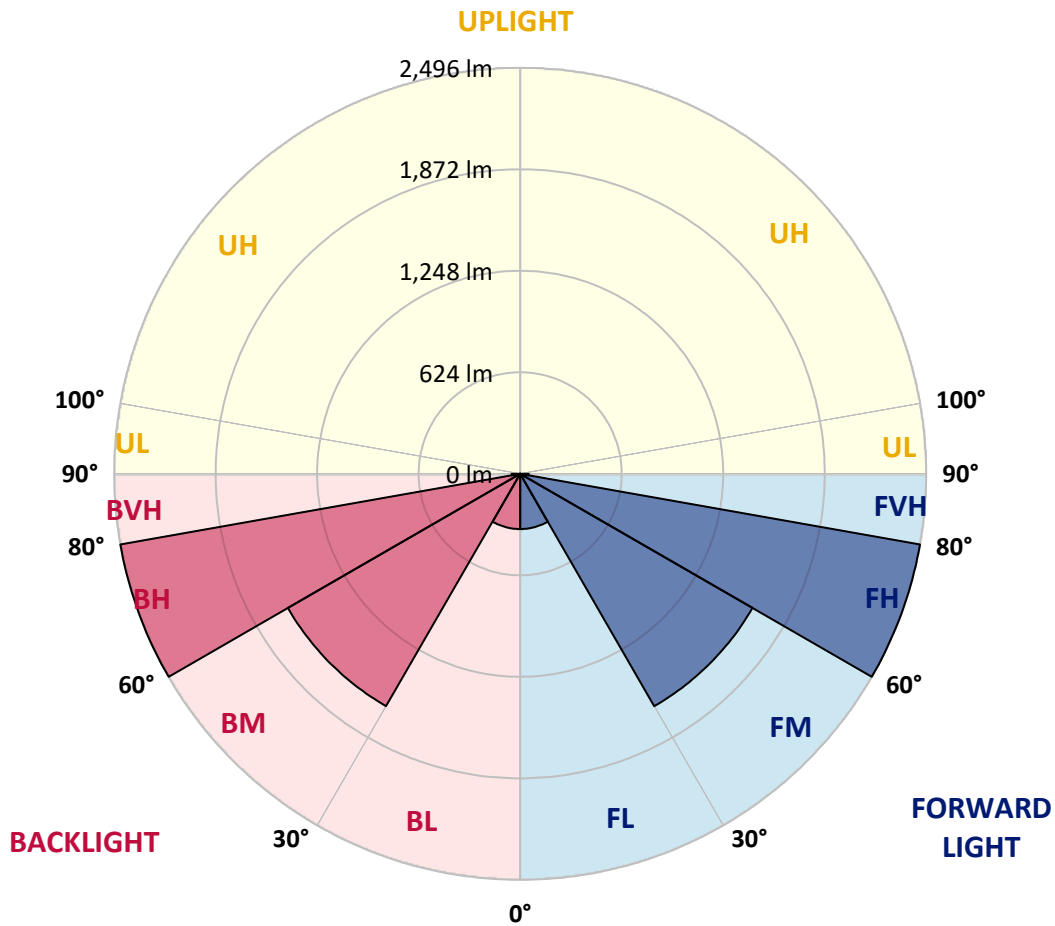
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.7	3.7			
FM (30°-60°)	1649.3	18.2			
FH (60°-80°)	2496.1	27.5			G2/5000
FVH (80°-90°)	51.9	0.6			G1/100
BL (0°-30°)	339.7	3.7	B1/500		
BM (30°-60°)	1649.3	18.2	B2/2500		
BH (60°-80°)	2496.1	27.5	B3/2500		G2/5000
BVH (80°-90°)	51.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	827.7	827.7	827.7	827.7	827.7	827.7	827.7	827.7	827.7	827.7
2.5°	822.5	824.9	824.0	822.1	822.1	820.7	822.1	823.0	824.4	825.4
5°	811.7	813.6	813.1	811.7	812.2	810.8	811.7	813.1	814.1	814.5
7.5°	802.3	804.1	803.2	800.8	800.8	799.4	799.9	801.3	802.7	803.2
10°	799.9	801.8	799.0	795.2	793.8	791.9	792.4	793.8	796.6	798.0
12.5°	800.8	802.3	799.4	793.8	792.4	790.5	790.5	791.9	795.7	797.5
15°	803.7	805.1	800.8	794.7	793.3	791.9	791.4	793.3	797.5	800.8
17.5°	808.9	810.3	803.7	795.2	793.3	793.8	793.3	794.7	801.3	807.5
20°	813.6	814.5	805.6	795.2	793.3	793.8	793.3	796.1	804.6	813.1
22.5°	815.0	815.9	807.5	798.5	797.1	797.5	797.1	799.9	807.9	816.4
25°	815.5	816.9	810.3	803.2	805.6	806.5	805.6	806.0	812.2	819.7
27.5°	822.5	824.4	818.3	812.2	813.6	813.1	814.5	815.9	820.7	828.2
30°	837.2	838.6	833.4	827.3	826.3	823.0	827.3	832.0	837.2	843.8
32.5°	861.2	864.0	857.4	850.8	846.6	844.7	848.0	856.0	863.1	870.2
35°	901.3	903.2	897.1	884.8	877.3	877.3	880.1	890.5	901.8	910.7
37.5°	957.9	960.3	949.4	934.8	923.5	923.5	927.2	938.1	955.1	967.8
40°	1026.8	1030.1	1016.4	1001.3	990.4	988.6	993.3	1005.5	1021.6	1037.6
42.5°	1109.8	1113.5	1095.6	1082.4	1073.9	1073.9	1076.3	1087.6	1102.2	1122.0
45°	1215.9	1222.5	1198.0	1184.8	1176.7	1178.6	1180.0	1190.0	1203.2	1225.8
47.5°	1342.3	1348.9	1323.0	1309.3	1307.9	1316.8	1311.2	1318.2	1325.3	1351.3
50°	1485.7	1497.0	1479.1	1478.1	1481.0	1497.5	1484.3	1488.0	1480.0	1496.5
52.5°	1661.1	1677.6	1674.3	1680.0	1711.6	1745.5	1715.4	1702.2	1672.0	1677.2
55°	1873.8	1898.8	1903.5	1937.5	2009.2	2078.5	2014.4	1961.1	1896.9	1885.2
57.5°	2115.8	2135.6	2158.2	2227.6	2361.5	2484.6	2361.5	2243.6	2142.7	2118.6
60°	2376.1	2400.7	2422.4	2524.7	2723.7	2896.8	2720.0	2532.7	2399.2	2366.7
62.5°	2655.8	2687.4	2702.5	2816.2	3048.2	3254.8	3051.5	2824.7	2676.6	2641.7
65°	2924.2	2950.1	2967.1	3088.3	3310.0	3517.0	3325.1	3101.5	2949.2	2903.4
67.5°	3049.2	3063.3	3104.8	3242.1	3476.0	3712.3	3515.6	3256.7	3086.4	3006.2
70°	2866.2	2837.4	2937.4	3157.2	3495.8	3832.1	3541.1	3150.6	2942.1	2811.9
72.5°	2214.8	2165.3	2338.9	2714.8	3269.4	3755.7	3292.1	2736.0	2446.9	2182.8
75°	1205.0	1148.9	1388.5	1863.9	2607.2	3255.3	2667.1	1917.2	1546.0	1196.1
77.5°	340.1	318.8	512.2	901.8	1568.2	2285.6	1628.6	921.6	607.5	360.3
80°	104.2	100.9	136.8	271.7	666.0	1094.7	640.0	275.0	174.0	109.9
82.5°	61.8	56.6	67.9	99.0	169.8	343.8	165.1	103.3	83.0	55.7
85°	35.4	33.0	40.1	48.1	57.1	73.1	47.6	49.1	44.3	29.7
87.5°	14.6	13.2	15.6	15.1	13.2	17.0	12.7	15.1	17.9	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
827.7
824.9
814.5
803.2
798.0
798.0
801.3
807.5
813.6
816.4
819.2
826.3
842.4
867.3
907.4
963.1
1032.4
1120.6
1224.9
1343.7
1486.6
1659.7
1866.8
2101.6
2338.4
2613.4
2880.8
3007.2
2843.1
2248.3
1273.9
400.4
116.0
60.4
31.1
10.8
0.0

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