

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: P945250

Luminaire Tested: **GALN-SB1B-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5899 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

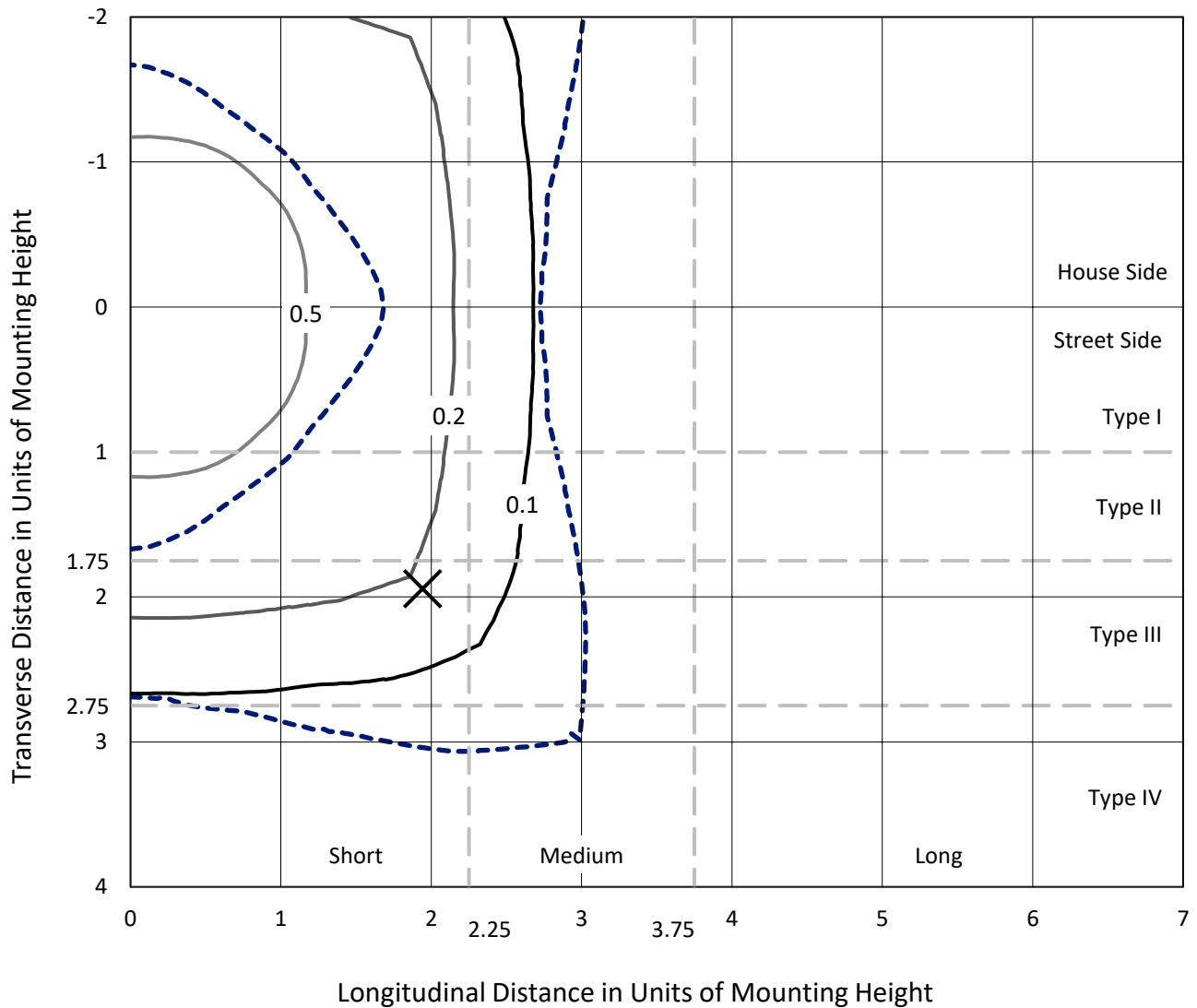
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

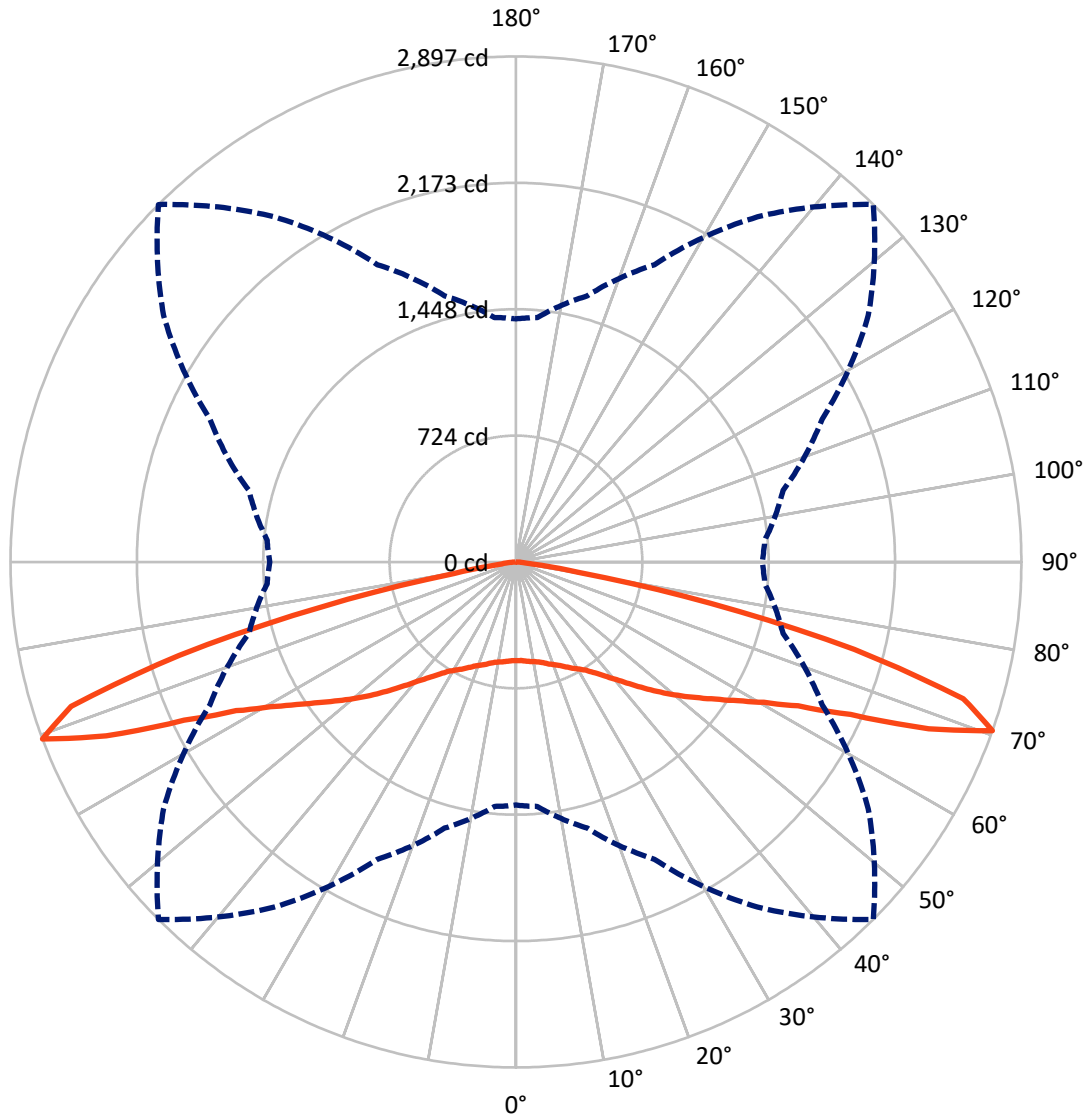
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	2949.5	0.0	2949.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2949.5	0.0	2949.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5899.0	0.0	5899.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	0.9
10°-20°	170.2	2.9
20°-30°	304.2	5.2
30°-40°	493.1	8.4
40°-50°	803.2	13.6
50°-60°	1224.6	20.8
60°-70°	1821.9	30.9
70°-80°	993.0	16.8
80°-90°	33.8	0.6
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°	5899.0	100.0
0°-180°	5899.0	100.0

Coefficient of Utilization



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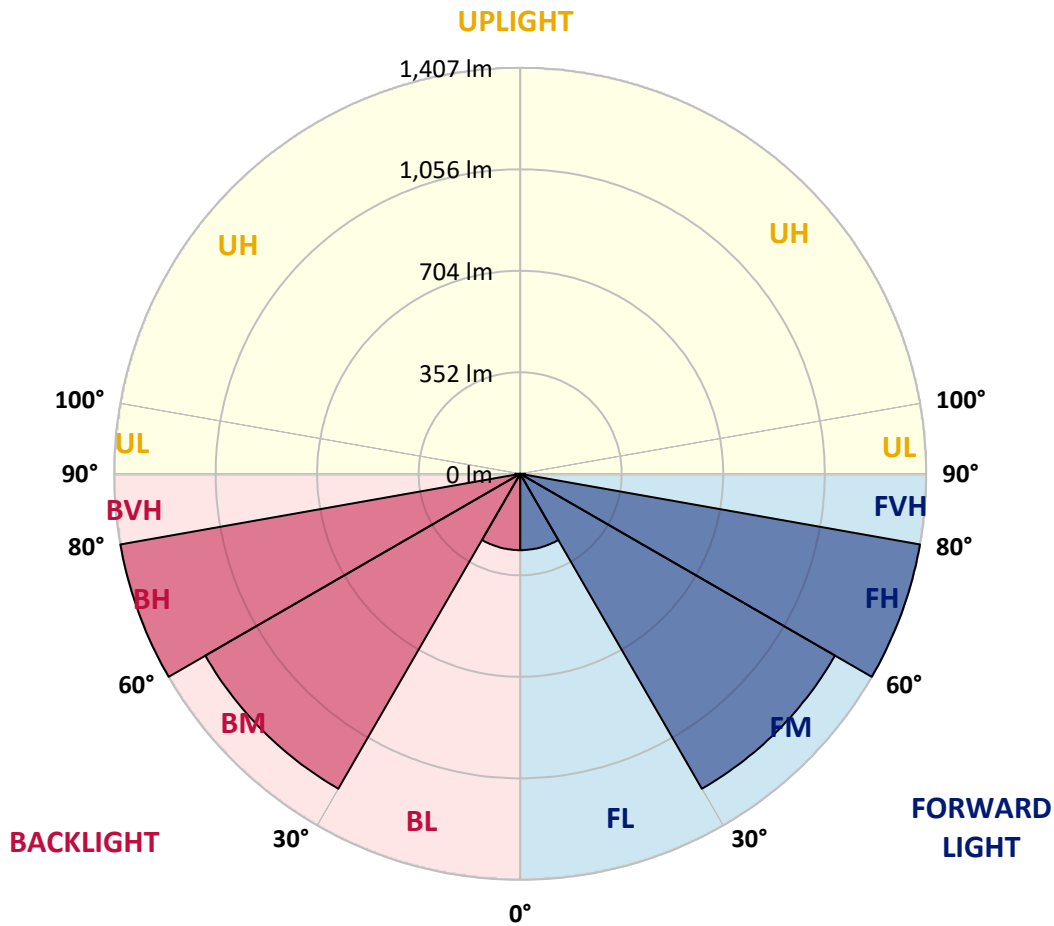
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.7	4.5			
FM (30°-60°)	1260.5	21.4			
FH (60°-80°)	1407.4	23.9			G1/1800
FVH (80°-90°)	16.9	0.3			G1/100
BL (0°-30°)	264.7	4.5	B1/500		
BM (30°-60°)	1260.5	21.4	B2/2500		
BH (60°-80°)	1407.4	23.9	B3/2500		G1/1800
BVH (80°-90°)	16.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1
2.5°	567.7	568.3	567.1	566.5	566.0	565.1	565.4	566.8	568.0	567.7
5°	572.5	573.1	572.2	571.9	570.7	570.4	570.4	571.9	572.8	572.2
7.5°	577.8	578.7	577.2	576.9	576.3	575.7	575.4	576.9	577.8	577.8
10°	582.8	583.7	582.5	581.6	581.1	581.1	580.5	581.6	583.1	582.8
12.5°	588.2	588.8	587.6	587.0	587.0	587.9	587.0	587.6	588.8	588.2
15°	594.7	595.0	594.7	595.6	597.0	600.0	597.3	596.8	597.3	595.9
17.5°	603.6	604.2	605.3	607.4	609.5	614.8	610.1	608.6	608.6	605.6
20°	614.5	615.4	617.2	620.7	623.4	628.4	623.7	621.6	620.7	616.9
22.5°	626.1	627.6	630.2	635.0	639.7	644.4	639.7	636.1	633.5	628.4
25°	639.4	641.2	645.3	653.0	659.5	666.3	660.7	653.6	648.3	641.2
27.5°	658.4	660.4	665.5	674.9	683.2	689.2	683.8	674.6	667.2	658.6
30°	685.0	687.1	693.0	703.1	708.7	712.5	709.0	701.9	693.0	683.2
32.5°	719.4	722.0	728.5	738.0	739.2	739.8	738.6	735.1	728.5	716.7
35°	762.9	765.9	773.3	781.0	779.8	781.0	779.2	778.0	773.3	759.6
37.5°	816.2	819.8	827.5	833.4	830.4	828.9	829.2	829.5	826.9	811.8
40°	878.1	882.8	888.5	894.7	889.6	885.2	888.2	890.5	888.2	872.8
42.5°	941.8	948.6	954.5	963.4	959.2	953.6	957.8	960.4	955.4	938.8
45°	1012.6	1019.1	1026.8	1040.1	1037.1	1031.2	1037.1	1037.7	1029.1	1009.6
47.5°	1085.7	1092.5	1104.1	1121.8	1120.6	1114.1	1121.8	1117.7	1106.7	1083.3
50°	1155.0	1164.5	1182.2	1207.1	1209.5	1201.5	1211.9	1203.9	1185.5	1156.2
52.5°	1220.2	1230.2	1258.4	1292.1	1300.7	1290.3	1304.3	1290.3	1262.8	1225.2
55°	1288.6	1299.8	1333.3	1377.4	1394.6	1386.9	1399.9	1378.9	1339.8	1294.2
57.5°	1369.1	1375.9	1415.9	1468.3	1497.4	1499.1	1505.1	1469.5	1422.1	1370.3
60°	1456.5	1466.0	1509.5	1572.3	1618.2	1633.0	1626.8	1574.1	1519.0	1459.5
62.5°	1568.4	1578.8	1630.9	1706.1	1778.7	1815.4	1791.1	1714.7	1646.6	1575.2
65°	1661.1	1672.7	1766.9	1901.0	2033.1	2106.8	2045.8	1905.2	1782.6	1681.9
67.5°	1593.9	1608.1	1755.9	2002.3	2330.7	2550.8	2342.0	2032.5	1792.3	1655.8
70°	1393.1	1406.4	1578.8	1880.0	2414.5	2896.7	2464.9	1935.4	1584.4	1431.6
72.5°	924.9	967.8	1142.3	1503.6	2156.0	2680.5	2177.3	1473.1	1059.6	922.8
75°	306.8	341.2	460.2	779.5	1444.1	2004.7	1374.8	689.7	364.6	262.4
77.5°	77.3	89.1	122.9	223.0	576.0	1141.4	518.6	182.1	99.2	69.3
80°	37.6	41.5	59.2	74.3	144.2	362.8	135.3	69.9	46.8	36.1
82.5°	20.7	21.0	33.5	42.1	53.6	93.9	55.7	40.9	27.0	21.9
85°	12.7	12.4	17.8	22.5	22.5	33.5	26.7	22.5	15.4	13.6
87.5°	5.0	5.0	6.5	7.1	6.2	8.6	6.8	7.4	5.9	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
565.1
568.0
572.5
577.8
582.8
587.9
595.9
605.6
616.9
628.1
640.9
658.4
683.2
717.0
759.6
811.8
872.8
940.0
1011.7
1081.9
1155.6
1221.6
1288.0
1363.2
1450.0
1562.8
1665.3
1635.4
1411.2
892.9
248.2
61.9
33.2
21.9
14.2
5.9
0.0

OF REPORT)