

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: P945607

Luminaire Tested: **GALN-SB1C-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945607
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-SB1C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7846 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

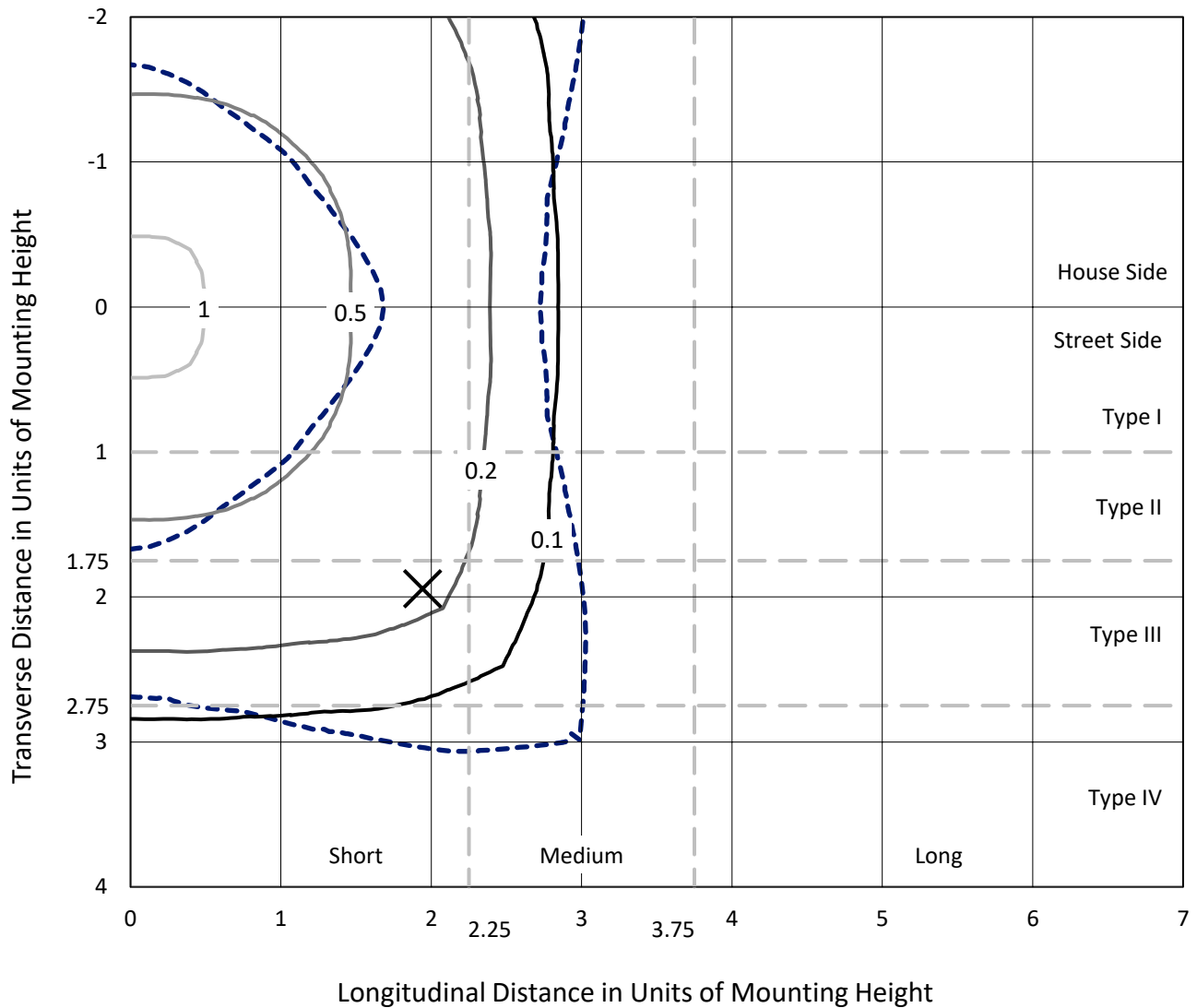
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

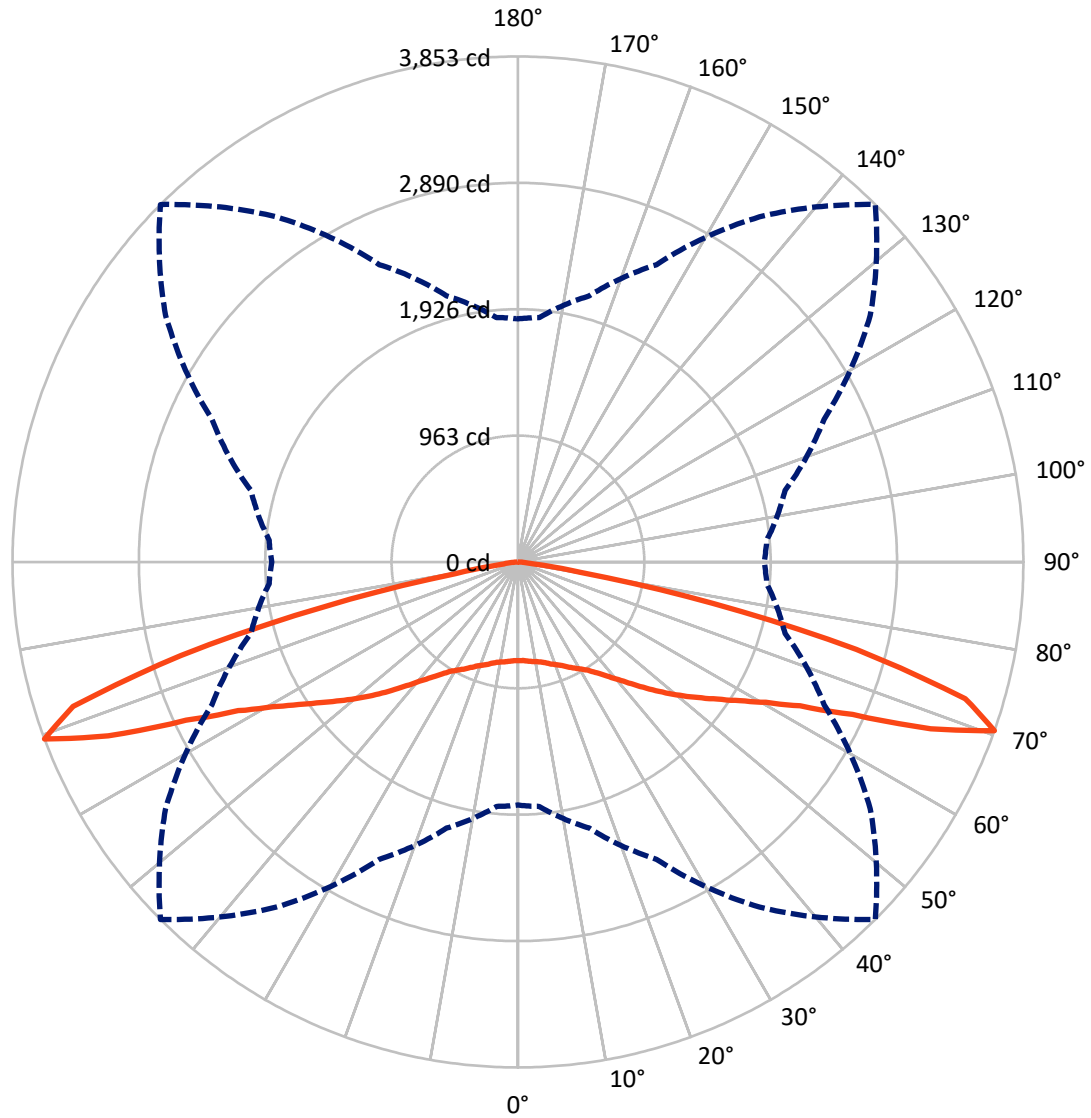
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P945607
CATALOG NUMBER: GALN-SB1C-735-U-5MQ

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	3923.0	0.0	3923.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3923.0	0.0	3923.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7846.0	0.0	7846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	0.9
10°-20°	226.4	2.9
20°-30°	404.6	5.2
30°-40°	655.9	8.4
40°-50°	1068.3	13.6
50°-60°	1628.8	20.8
60°-70°	2423.2	30.9
70°-80°	1320.7	16.8
80°-90°	45.0	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°	7846.0	100.0
0°-180°	7846.0	100.0

Coefficient of Utilization



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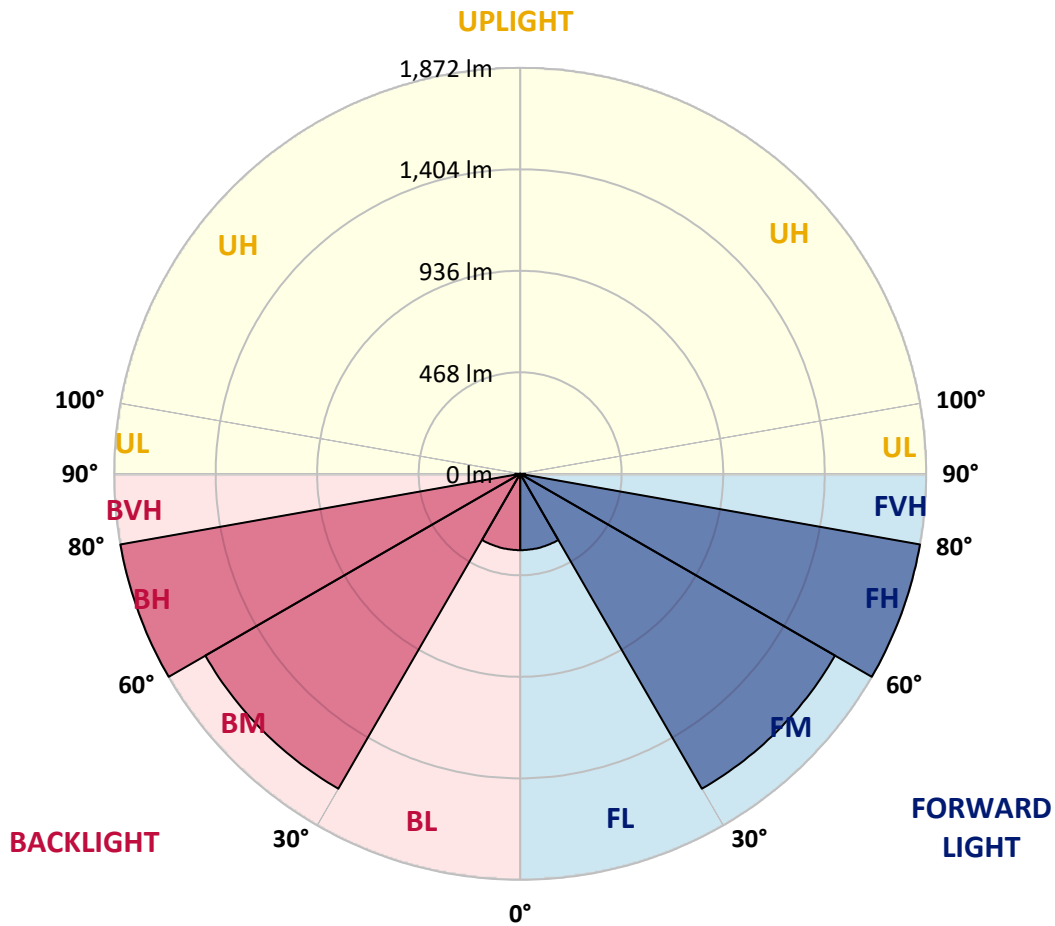
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.0	4.5			
FM (30°-60°)	1676.5	21.4			
FH (60°-80°)	1872.0	23.9			G2/5000
FVH (80°-90°)	22.5	0.3			G1/100
BL (0°-30°)	352.0	4.5	B1/500		
BM (30°-60°)	1676.5	21.4	B2/2500		
BH (60°-80°)	1872.0	23.9	B3/2500		G2/5000
BVH (80°-90°)	22.5	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6
2.5°	755.1	755.9	754.3	753.5	752.7	751.6	752.0	753.9	755.5	755.1
5°	761.4	762.2	761.0	760.6	759.0	758.7	758.7	760.6	761.8	761.0
7.5°	768.5	769.7	767.7	767.3	766.5	765.7	765.4	767.3	768.5	768.5
10°	775.2	776.4	774.8	773.6	772.8	772.8	772.0	773.6	775.6	775.2
12.5°	782.3	783.1	781.5	780.7	780.7	781.9	780.7	781.5	783.1	782.3
15°	791.0	791.3	791.0	792.1	794.1	798.0	794.5	793.7	794.5	792.5
17.5°	802.8	803.6	805.1	807.9	810.7	817.7	811.4	809.5	809.5	805.5
20°	817.3	818.5	820.9	825.6	829.2	835.9	829.6	826.8	825.6	820.5
22.5°	832.7	834.7	838.2	844.5	850.8	857.1	850.8	846.1	842.6	835.9
25°	850.4	852.8	858.3	868.6	877.2	886.3	878.8	869.3	862.3	852.8
27.5°	875.6	878.4	885.1	897.7	908.7	916.6	909.5	897.3	887.5	876.0
30°	911.1	913.9	921.7	935.1	942.6	947.7	943.0	933.5	921.7	908.7
32.5°	956.8	960.3	969.0	981.6	983.2	984.0	982.4	977.7	969.0	953.2
35°	1014.7	1018.6	1028.5	1038.7	1037.1	1038.7	1036.4	1034.8	1028.5	1010.4
37.5°	1085.6	1090.3	1100.6	1108.4	1104.5	1102.5	1102.9	1103.3	1099.8	1079.7
40°	1167.9	1174.2	1181.7	1190.0	1183.3	1177.4	1181.3	1184.5	1181.3	1160.8
42.5°	1252.6	1261.7	1269.5	1281.4	1275.8	1268.4	1273.9	1277.4	1270.7	1248.7
45°	1346.8	1355.4	1365.7	1383.4	1379.4	1371.6	1379.4	1380.2	1368.8	1342.8
47.5°	1444.0	1453.1	1468.5	1492.1	1490.5	1481.9	1492.1	1486.6	1472.0	1440.9
50°	1536.2	1548.8	1572.5	1605.5	1608.7	1598.1	1611.8	1601.2	1576.8	1537.8
52.5°	1622.9	1636.3	1673.7	1718.6	1730.0	1716.2	1734.7	1716.2	1679.6	1629.6
55°	1713.9	1728.8	1773.3	1832.0	1854.9	1844.6	1862.0	1834.0	1782.0	1721.4
57.5°	1821.0	1830.1	1883.2	1953.0	1991.6	1993.9	2001.8	1954.5	1891.5	1822.6
60°	1937.2	1949.8	2007.7	2091.2	2152.3	2172.0	2163.7	2093.6	2020.3	1941.2
62.5°	2086.1	2099.9	2169.2	2269.3	2365.8	2414.6	2382.3	2280.7	2190.1	2095.2
65°	2209.4	2224.8	2350.0	2528.5	2704.1	2802.2	2721.1	2534.0	2370.9	2237.0
67.5°	2120.0	2138.9	2335.4	2663.2	3100.0	3392.7	3115.0	2703.4	2383.9	2202.3
70°	1852.9	1870.6	2099.9	2500.5	3211.5	3852.8	3278.4	2574.2	2107.4	1904.1
72.5°	1230.2	1287.3	1519.3	1999.8	2867.6	3565.2	2896.0	1959.3	1409.4	1227.4
75°	408.1	453.8	612.1	1036.8	1920.7	2666.3	1828.5	917.4	484.9	349.0
77.5°	102.8	118.6	163.5	296.6	766.1	1518.1	689.7	242.2	132.0	92.2
80°	50.0	55.1	78.8	98.9	191.8	482.5	180.0	93.0	62.2	48.1
82.5°	27.6	28.0	44.5	55.9	71.3	124.9	74.1	54.4	35.8	29.1
85°	16.9	16.5	23.6	29.9	29.9	44.5	35.5	29.9	20.5	18.1
87.5°	6.7	6.7	8.7	9.5	8.3	11.4	9.1	9.8	7.9	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
751.6
755.5
761.4
768.5
775.2
781.9
792.5
805.5
820.5
835.5
852.4
875.6
908.7
953.6
1010.4
1079.7
1160.8
1250.2
1345.6
1438.9
1537.0
1624.8
1713.1
1813.1
1928.5
2078.6
2214.9
2175.1
1876.9
1187.6
330.1
82.3
44.1
29.1
18.9
7.9
0.0

OF REPORT)