

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: P944894

Luminaire Tested: **GALN-SB1A-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4702 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

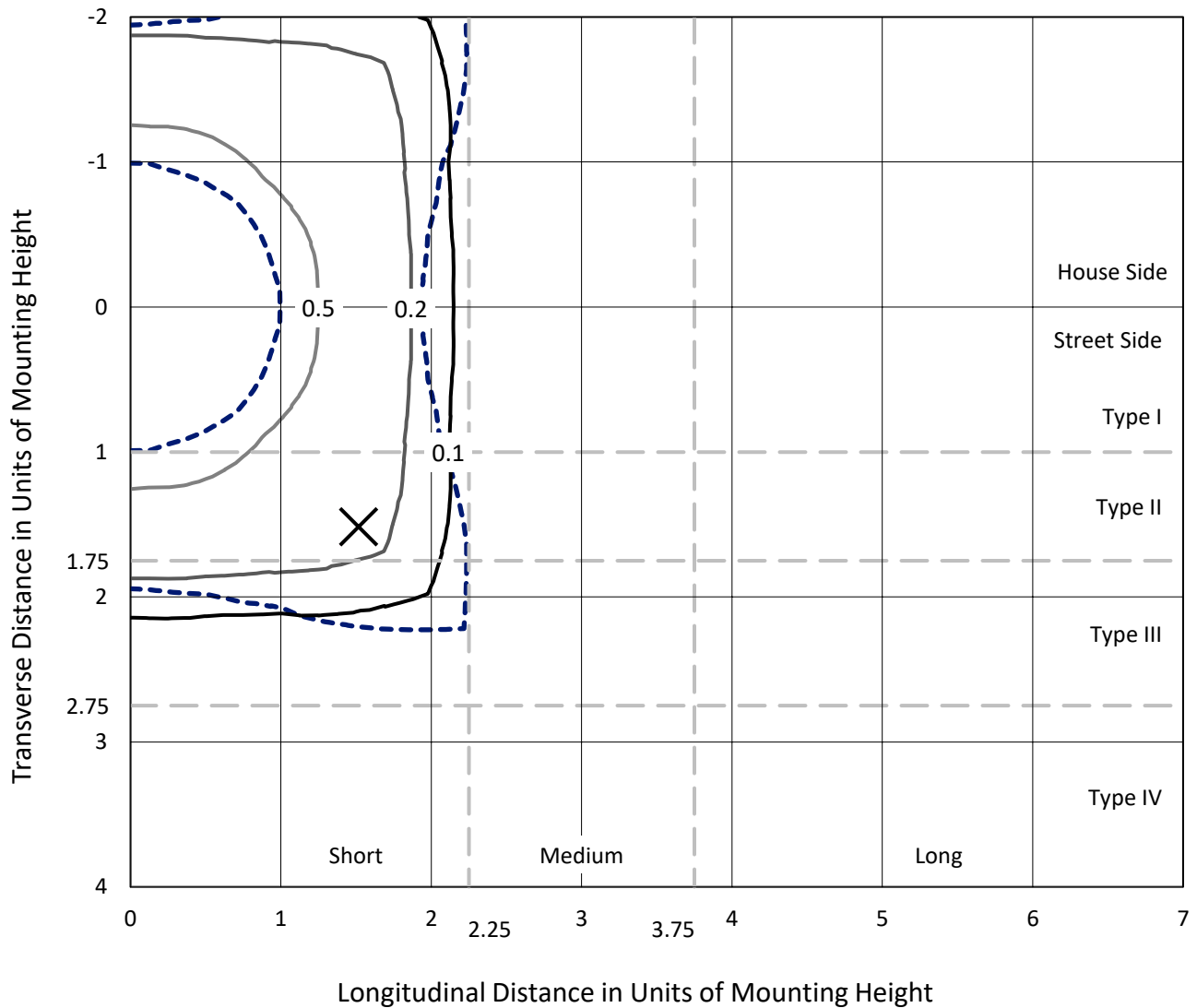
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

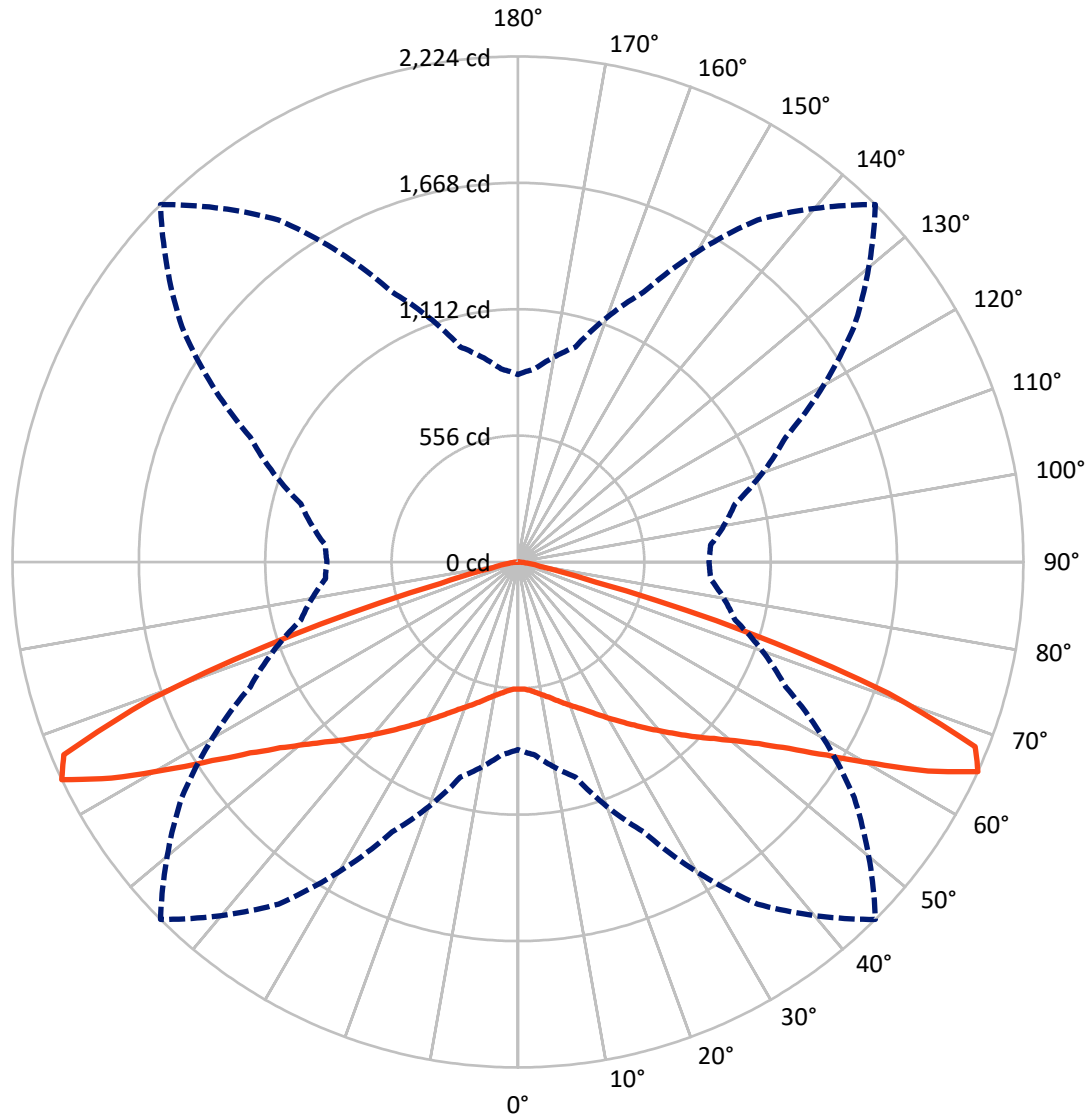
× Max cd
 - - - 1/2 Max cd



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 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2351.0	0.0	2351.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2351.0	0.0	2351.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4702.0	0.0	4702.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.2
10°-20°	180.2	3.8
20°-30°	340.2	7.2
30°-40°	557.1	11.8
40°-50°	863.9	18.4
50°-60°	1276.1	27.1
60°-70°	1214.7	25.8
70°-80°	196.0	4.2
80°-90°	18.5	0.4
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°	4702.0	100.0
0°-180°	4702.0	100.0

Coefficient of Utilization



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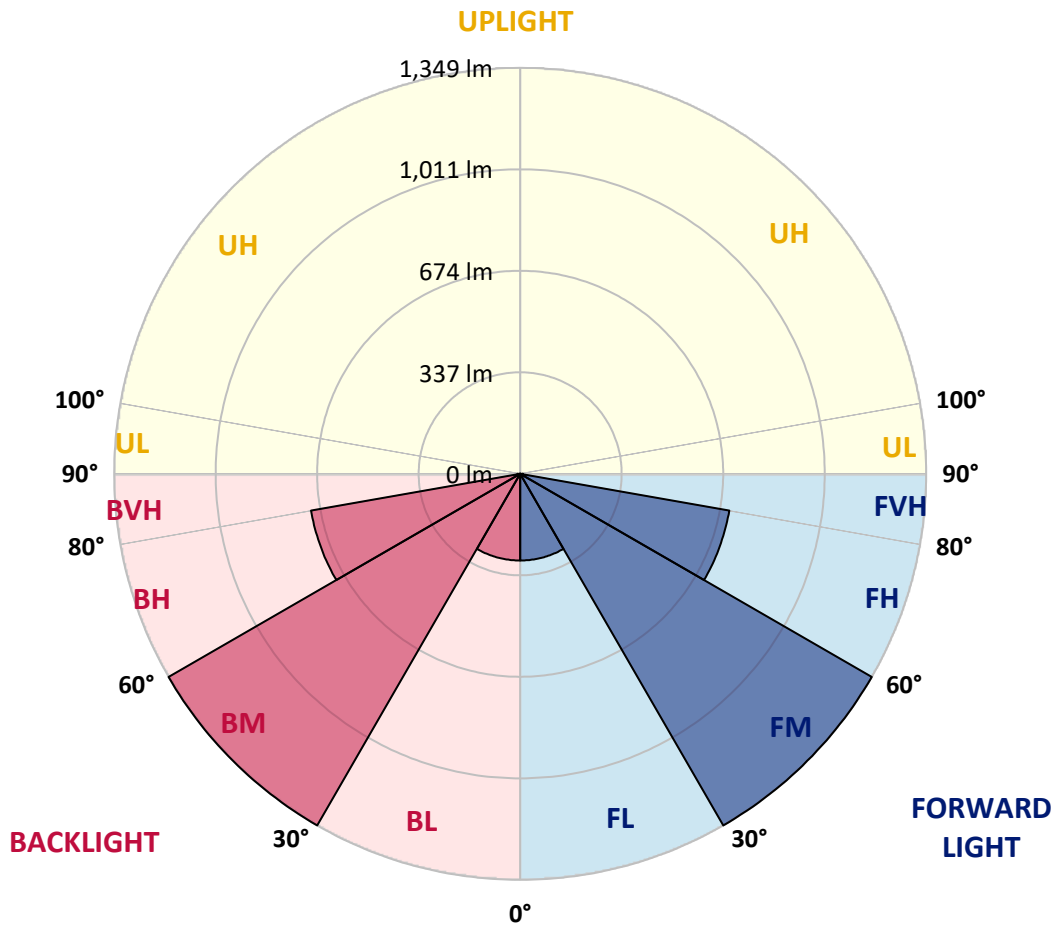
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.8	6.1			
FM (30°-60°)	1348.6	28.7			
FH (60°-80°)	705.4	15.0			G1/1800
FVH (80°-90°)	9.2	0.2			G0/10
BL (0°-30°)	287.8	6.1	B1/500		
BM (30°-60°)	1348.6	28.7	B2/2500		
BH (60°-80°)	705.4	15.0	B2/1000		G1/1800
BVH (80°-90°)	9.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	563.4	561.5	562.9	561.7	560.8	559.8	560.3	561.9	562.7	562.9
5°	570.9	569.3	570.0	570.0	568.3	567.8	568.1	569.3	570.7	570.7
7.5°	583.2	581.5	583.2	582.2	580.8	580.3	580.1	581.1	583.2	583.2
10°	598.0	596.2	597.1	596.6	595.0	594.3	594.0	595.4	597.3	597.1
12.5°	614.3	612.2	613.4	612.0	611.5	610.8	610.8	610.5	611.7	610.8
15°	632.5	631.1	631.5	630.6	631.3	630.8	628.9	628.0	628.5	627.1
17.5°	654.0	650.6	652.3	651.8	651.8	652.8	649.7	648.5	649.5	648.1
20°	678.7	675.4	676.1	675.2	674.0	674.9	671.2	672.1	672.8	671.9
22.5°	705.9	701.6	701.4	701.8	699.2	699.5	696.9	699.2	700.7	698.1
25°	733.7	729.2	732.3	731.1	727.8	728.5	726.6	729.0	730.1	726.8
27.5°	763.2	760.1	762.9	763.6	759.6	762.5	759.6	761.8	762.9	758.0
30°	797.6	794.6	797.1	799.0	794.3	798.8	796.4	797.9	798.1	792.2
32.5°	835.1	830.4	837.0	838.0	832.8	838.2	835.1	837.0	838.2	830.2
35°	880.9	875.0	882.5	881.4	876.9	881.4	878.5	881.4	884.2	874.5
37.5°	930.2	924.1	932.1	930.0	925.7	928.8	927.1	929.0	933.5	923.1
40°	984.5	976.9	987.8	984.0	980.0	979.5	980.5	981.6	987.5	976.0
42.5°	1042.5	1034.5	1050.8	1044.9	1039.2	1035.4	1038.5	1040.8	1046.5	1033.5
45°	1108.8	1099.6	1120.8	1113.7	1104.8	1097.0	1101.9	1105.5	1113.7	1098.2
47.5°	1181.9	1171.5	1194.2	1192.1	1177.4	1160.5	1171.8	1181.9	1188.1	1169.2
50°	1253.4	1245.4	1275.1	1277.7	1259.8	1235.9	1251.8	1267.1	1268.7	1244.0
52.5°	1320.4	1312.4	1355.6	1371.8	1355.8	1327.5	1344.2	1359.8	1347.3	1315.2
55°	1374.0	1367.4	1422.3	1464.3	1469.7	1446.4	1456.3	1455.8	1414.8	1365.5
57.5°	1386.9	1386.0	1455.3	1544.3	1600.9	1603.7	1584.2	1534.1	1445.7	1379.4
60°	1328.0	1333.9	1429.2	1586.0	1737.0	1799.8	1715.1	1572.4	1410.5	1318.5
62.5°	1151.5	1167.1	1281.9	1535.1	1847.0	2025.3	1820.1	1514.3	1266.1	1146.1
65°	825.2	852.4	979.3	1310.0	1837.1	2223.5	1805.0	1299.4	988.7	850.2
67.5°	374.4	402.0	509.8	896.9	1596.9	2169.7	1593.1	906.4	535.3	403.4
70°	135.6	140.4	175.0	359.1	1020.6	1728.8	1064.2	361.7	186.1	149.6
72.5°	82.1	82.8	90.1	128.6	354.6	1049.6	369.7	132.8	92.0	81.6
75°	52.1	51.7	64.2	78.6	125.7	354.1	131.9	78.6	63.9	58.3
77.5°	37.5	38.7	46.0	58.7	79.3	120.1	77.9	56.1	46.0	37.7
80°	28.1	28.8	33.5	45.8	55.7	74.8	49.5	41.5	34.7	23.6
82.5°	20.3	20.3	21.9	33.3	34.0	40.3	26.9	29.3	22.9	16.7
85°	12.0	11.8	13.7	19.8	17.7	14.9	12.3	17.9	14.4	10.4
87.5°	4.2	4.5	4.2	5.7	4.7	4.0	3.8	5.0	4.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
559.6
562.9
570.7
582.5
596.6
611.2
627.3
649.2
674.0
700.7
730.6
761.8
795.7
835.6
880.4
929.5
979.7
1040.4
1106.2
1175.6
1247.0
1316.2
1367.1
1375.1
1307.7
1139.0
840.1
397.5
147.7
83.0
58.7
38.5
24.3
16.7
10.1
3.3
0.0

OF REPORT)