

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: P945608

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945608  
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-SB1C-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7850 lumens  
Efficiency: N/A  
Efficacy: 144.3 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

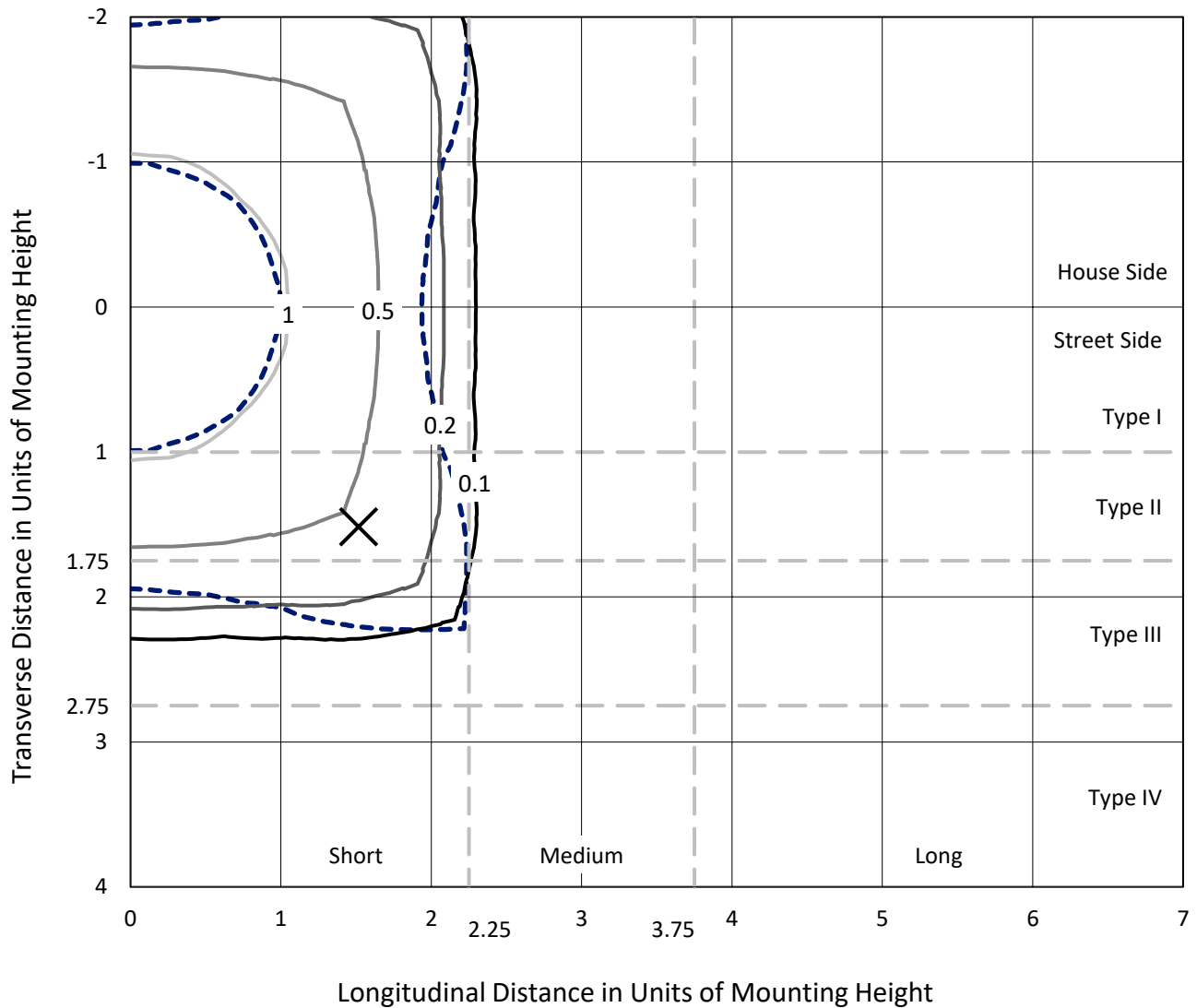
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

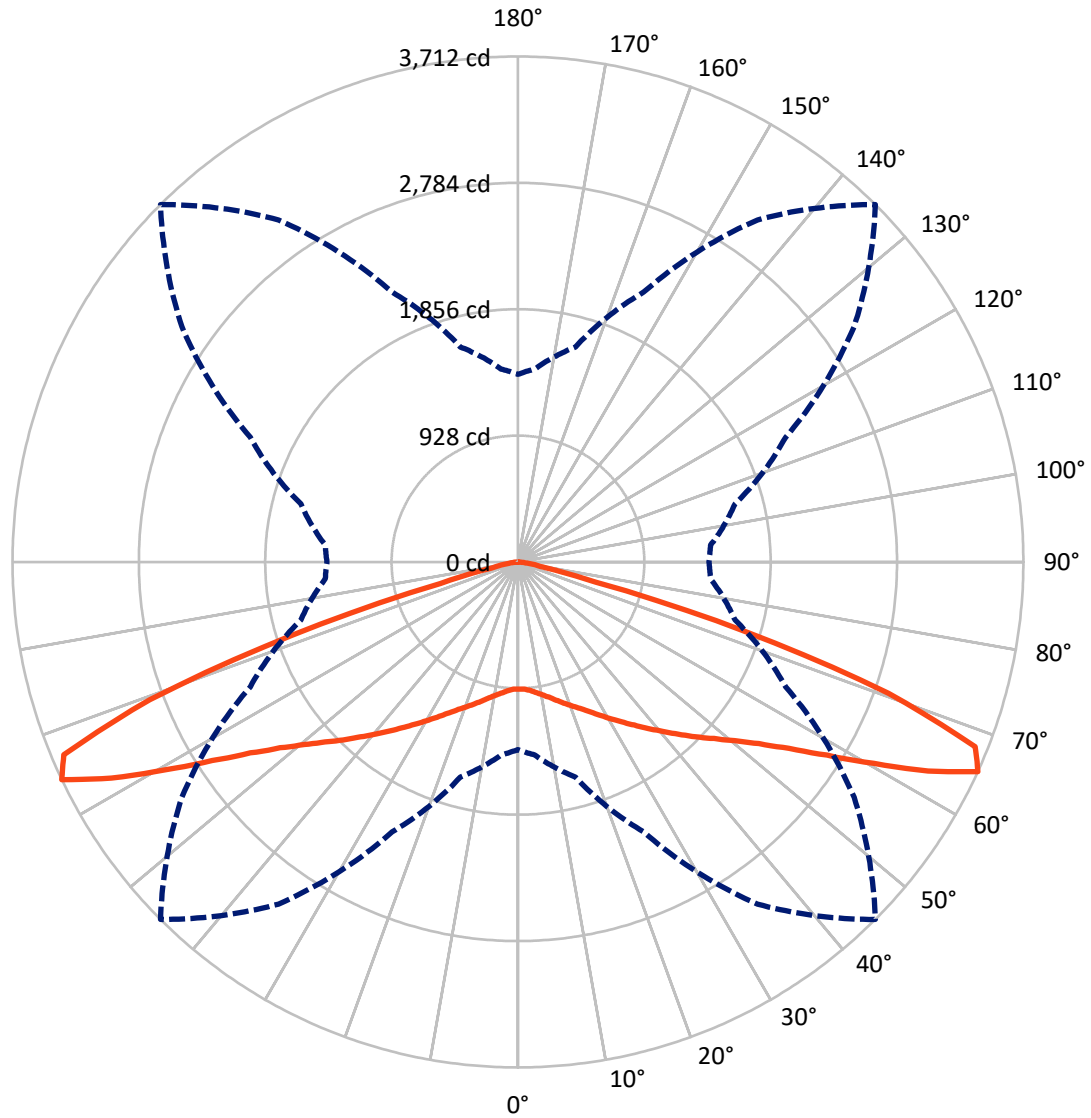
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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
<b>House Side</b>	Lumens	3925.0	0.0	3925.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3925.0	0.0	3925.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7850.0	0.0	7850.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	1.2
10°-20°	300.9	3.8
20°-30°	568.0	7.2
30°-40°	930.2	11.8
40°-50°	1442.2	18.4
50°-60°	2130.5	27.1
60°-70°	2028.0	25.8
70°-80°	327.3	4.2
80°-90°	30.8	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°	7850.0	100.0
0°-180°	7850.0	100.0

**Coefficient of Utilization**



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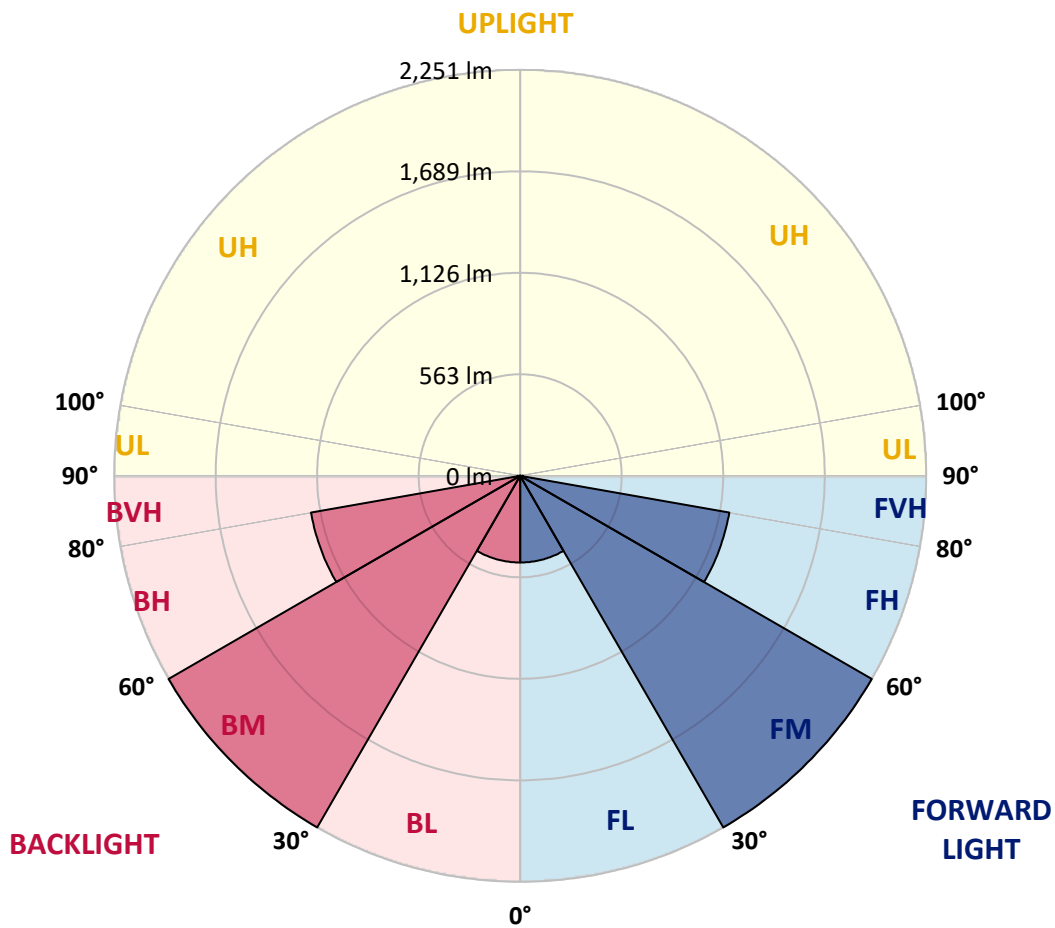
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.5	6.1			
FM (30°-60°)	2251.4	28.7			
FH (60°-80°)	1177.6	15.0			G1/1800
FVH (80°-90°)	15.4	0.2			G1/100
BL (0°-30°)	480.5	6.1	B1/500		
BM (30°-60°)	2251.4	28.7	B2/2500		
BH (60°-80°)	1177.6	15.0	B3/2500		G1/1800
BVH (80°-90°)	15.4	0.2			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°	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2
2.5°	940.5	937.4	939.7	937.8	936.2	934.6	935.4	938.2	939.3	939.7
5°	953.1	950.4	951.6	951.6	948.8	948.0	948.4	950.4	952.7	952.7
7.5°	973.6	970.9	973.6	972.0	969.7	968.9	968.5	970.1	973.6	973.6
10°	998.4	995.3	996.9	996.1	993.3	992.1	991.7	994.1	997.2	996.9
12.5°	1025.6	1022.1	1024.0	1021.7	1020.9	1019.7	1019.7	1019.3	1021.3	1019.7
15°	1055.9	1053.6	1054.4	1052.8	1054.0	1053.2	1050.0	1048.4	1049.2	1046.9
17.5°	1091.8	1086.3	1089.0	1088.2	1088.2	1089.8	1084.7	1082.7	1084.3	1081.9
20°	1133.1	1127.6	1128.8	1127.2	1125.2	1126.8	1120.5	1122.1	1123.3	1121.7
22.5°	1178.4	1171.3	1170.9	1171.7	1167.4	1167.8	1163.5	1167.4	1169.8	1165.4
25°	1224.9	1217.4	1222.5	1220.6	1215.0	1216.2	1213.1	1217.0	1219.0	1213.5
27.5°	1274.1	1269.0	1273.7	1274.9	1268.2	1272.9	1268.2	1271.8	1273.7	1265.5
30°	1331.6	1326.5	1330.8	1334.0	1326.1	1333.6	1329.7	1332.0	1332.4	1322.6
32.5°	1394.3	1386.4	1397.4	1399.0	1390.3	1399.4	1394.3	1397.4	1399.4	1386.0
35°	1470.7	1460.8	1473.4	1471.4	1464.0	1471.4	1466.7	1471.4	1476.2	1460.0
37.5°	1553.0	1542.7	1556.1	1552.6	1545.5	1550.6	1547.9	1551.0	1558.5	1541.2
40°	1643.6	1631.0	1649.1	1642.8	1636.1	1635.3	1636.9	1638.8	1648.7	1629.4
42.5°	1740.5	1727.1	1754.2	1744.4	1734.9	1728.6	1733.8	1737.7	1747.1	1725.5
45°	1851.1	1835.8	1871.2	1859.4	1844.4	1831.4	1839.7	1845.6	1859.4	1833.4
47.5°	1973.2	1955.9	1993.7	1990.2	1965.7	1937.4	1956.3	1973.2	1983.5	1952.0
50°	2092.6	2079.2	2128.8	2133.1	2103.2	2063.4	2089.8	2115.4	2118.2	2076.8
52.5°	2204.4	2191.0	2263.1	2290.3	2263.5	2216.2	2244.2	2270.2	2249.3	2195.8
55°	2293.8	2282.8	2374.6	2444.7	2453.7	2414.7	2431.3	2430.5	2362.0	2279.6
57.5°	2315.5	2313.9	2429.7	2578.2	2672.7	2677.4	2644.7	2561.3	2413.6	2302.9
60°	2217.0	2226.9	2386.0	2647.9	2900.0	3004.7	2863.3	2625.1	2354.9	2201.3
62.5°	1922.4	1948.4	2140.2	2562.8	3083.5	3381.3	3038.6	2528.2	2113.8	1913.4
65°	1377.7	1423.0	1634.9	2187.1	3067.0	3712.1	3013.4	2169.4	1650.7	1419.5
67.5°	625.1	671.1	851.1	1497.4	2666.0	3622.3	2659.7	1513.2	893.7	673.5
70°	226.5	234.3	292.2	599.5	1703.8	2886.2	1776.7	603.8	310.8	249.7
72.5°	137.1	138.2	150.5	214.7	592.0	1752.3	617.2	221.7	153.6	136.3
75°	87.0	86.3	107.1	131.2	209.9	591.2	220.2	131.2	106.7	97.3
77.5°	62.6	64.6	76.8	98.1	132.3	200.5	130.0	93.7	76.8	63.0
80°	46.9	48.1	55.9	76.4	93.0	124.9	82.7	69.3	57.9	39.4
82.5°	33.9	33.9	36.6	55.5	56.7	67.3	44.9	48.8	38.2	28.0
85°	20.1	19.7	22.8	33.1	29.5	24.8	20.5	29.9	24.0	17.3
87.5°	7.1	7.5	7.1	9.5	7.9	6.7	6.3	8.3	6.7	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
934.2
939.7
952.7
972.4
996.1
1020.5
1047.3
1083.9
1125.2
1169.8
1219.8
1271.8
1328.5
1395.0
1469.9
1551.8
1635.7
1736.9
1846.8
1962.6
2081.9
2197.3
2282.4
2295.8
2183.1
1901.5
1402.5
663.6
246.6
138.6
98.1
64.2
40.6
28.0
16.9
5.5
0.0

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