

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: P945712

Luminaire Tested: **GALN-SB1C-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945712
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-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7050 lumens
Efficiency: N/A
Efficacy: 129.6 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

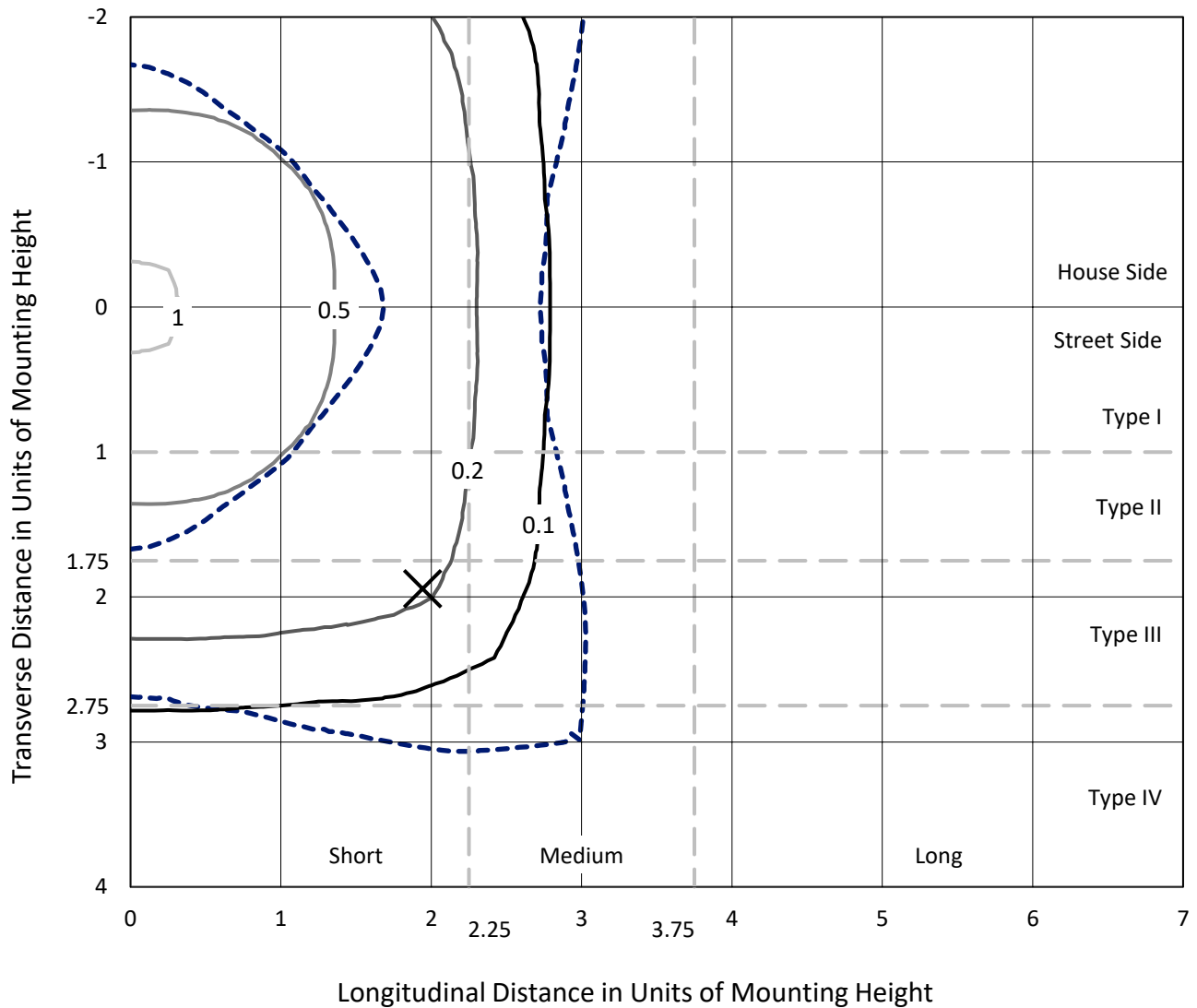
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

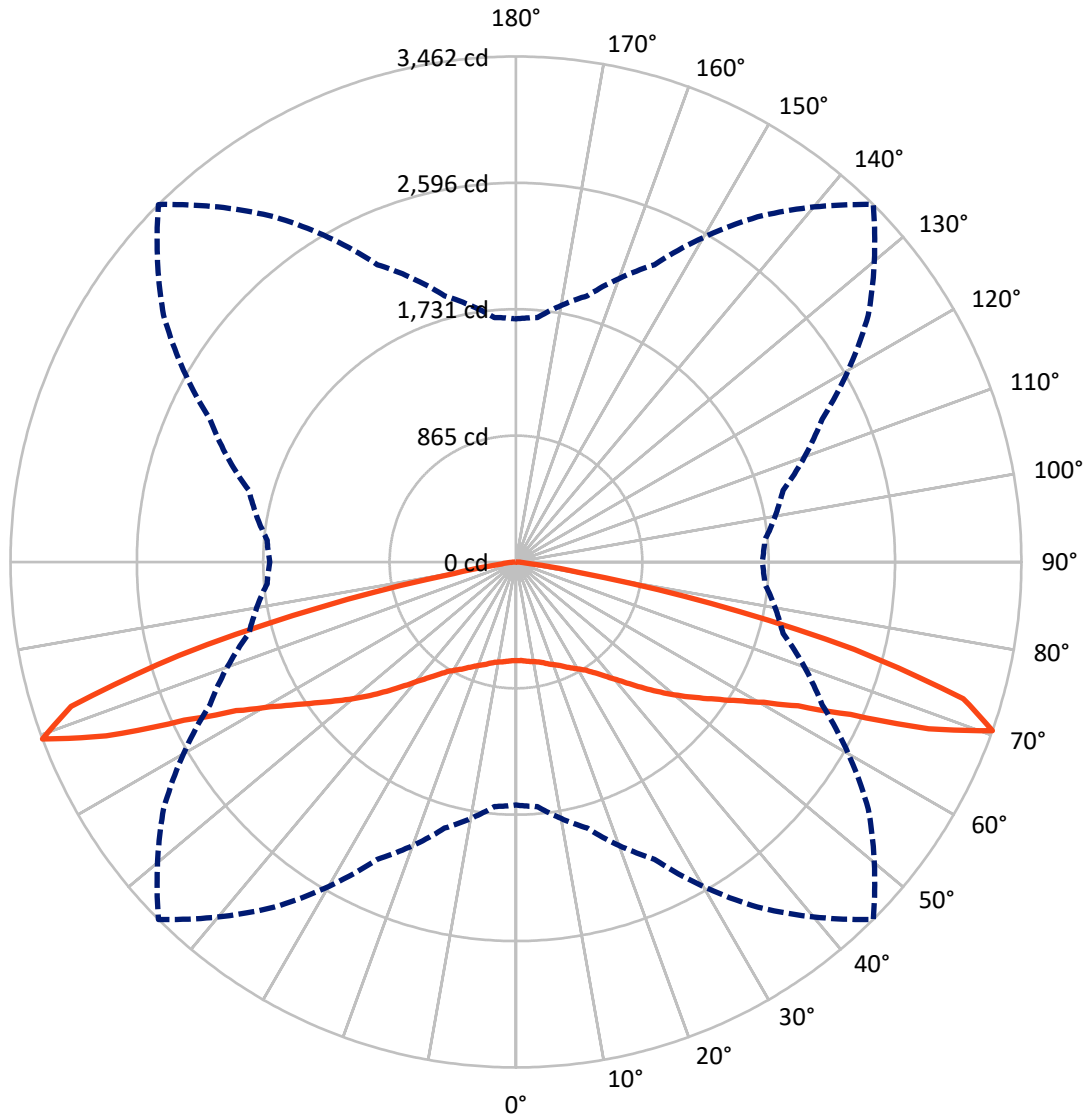
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	3525.0	0.0	3525.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3525.0	0.0	3525.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7050.0	0.0	7050.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	0.9
10°-20°	203.4	2.9
20°-30°	363.6	5.2
30°-40°	589.3	8.4
40°-50°	959.9	13.6
50°-60°	1463.6	20.8
60°-70°	2177.4	30.9
70°-80°	1186.7	16.8
80°-90°	40.4	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°	7050.0	100.0
0°-180°	7050.0	100.0



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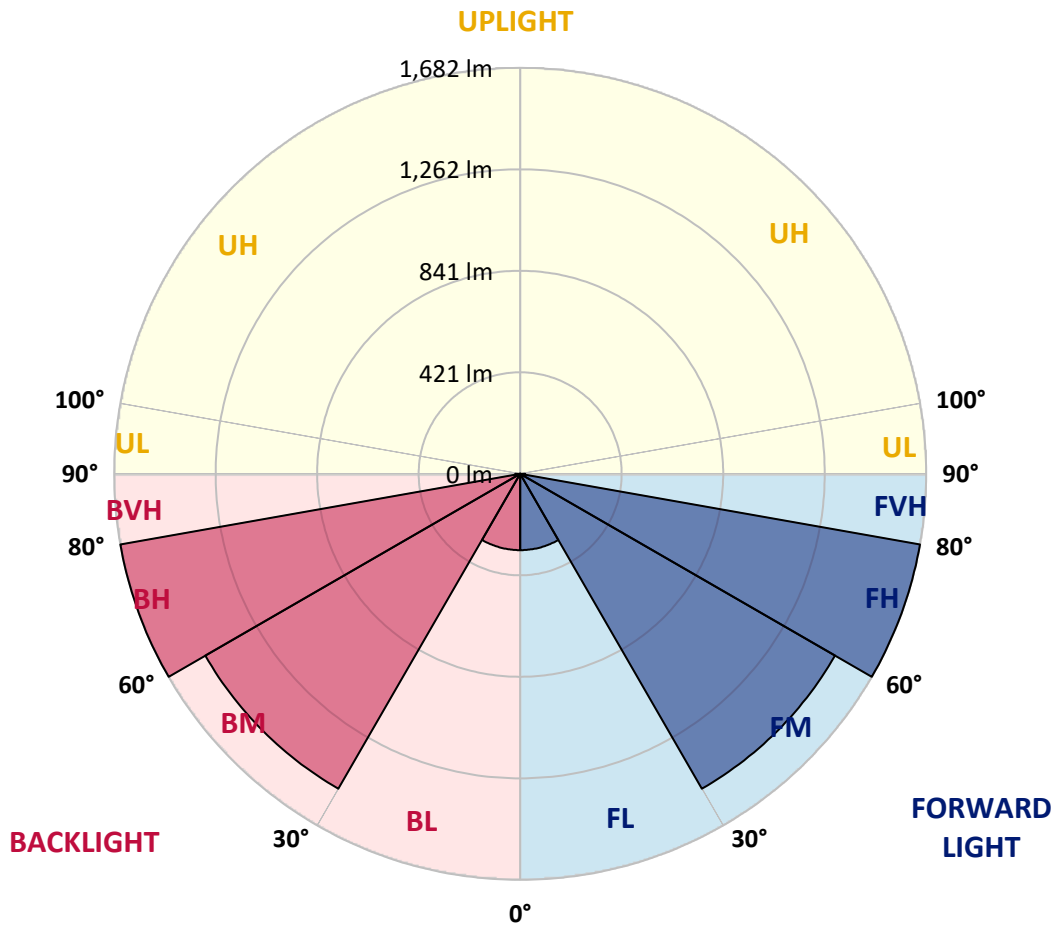
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.3	4.5			
FM (30°-60°)	1506.4	21.4			
FH (60°-80°)	1682.0	23.9			G1/1800
FVH (80°-90°)	20.2	0.3			G1/100
BL (0°-30°)	316.3	4.5	B1/500		
BM (30°-60°)	1506.4	21.4	B2/2500		
BH (60°-80°)	1682.0	23.9	B3/2500		G1/1800
BVH (80°-90°)	20.2	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°	675.3	675.3	675.3	675.3	675.3	675.3	675.3	675.3	675.3	675.3
2.5°	678.5	679.2	677.8	677.1	676.4	675.3	675.7	677.4	678.9	678.5
5°	684.2	684.9	683.8	683.5	682.0	681.7	681.7	683.5	684.5	683.8
7.5°	690.5	691.6	689.8	689.5	688.8	688.1	687.7	689.5	690.5	690.5
10°	696.6	697.6	696.2	695.1	694.4	694.4	693.7	695.1	696.9	696.6
12.5°	702.9	703.6	702.2	701.5	701.5	702.6	701.5	702.2	703.6	702.9
15°	710.7	711.1	710.7	711.8	713.5	717.1	713.9	713.2	713.9	712.1
17.5°	721.3	722.0	723.5	725.9	728.4	734.8	729.1	727.3	727.3	723.8
20°	734.4	735.5	737.6	741.9	745.0	751.1	745.4	742.9	741.9	737.3
22.5°	748.2	750.0	753.2	758.8	764.5	770.2	764.5	760.3	757.1	751.1
25°	764.2	766.3	771.2	780.4	788.2	796.4	789.6	781.1	774.8	766.3
27.5°	786.8	789.3	795.3	806.6	816.5	823.6	817.2	806.3	797.4	787.2
30°	818.7	821.1	828.2	840.3	847.0	851.6	847.3	838.8	828.2	816.5
32.5°	859.7	862.9	870.7	882.0	883.4	884.1	882.7	878.5	870.7	856.5
35°	911.7	915.3	924.1	933.3	931.9	933.3	931.2	929.8	924.1	907.9
37.5°	975.5	979.7	988.9	996.0	992.4	990.7	991.0	991.4	988.2	970.1
40°	1049.4	1055.1	1061.8	1069.3	1063.2	1057.9	1061.5	1064.3	1061.5	1043.1
42.5°	1125.5	1133.7	1140.7	1151.4	1146.4	1139.7	1144.6	1147.8	1141.8	1122.0
45°	1210.1	1217.9	1227.1	1243.0	1239.5	1232.4	1239.5	1240.2	1229.9	1206.6
47.5°	1297.5	1305.7	1319.5	1340.7	1339.3	1331.5	1340.7	1335.8	1322.7	1294.7
50°	1380.4	1391.7	1412.9	1442.7	1445.5	1435.9	1448.3	1438.8	1416.8	1381.8
52.5°	1458.2	1470.3	1503.9	1544.2	1554.5	1542.1	1558.8	1542.1	1509.2	1464.2
55°	1540.0	1553.4	1593.4	1646.2	1666.7	1657.5	1673.1	1647.9	1601.2	1546.7
57.5°	1636.3	1644.4	1692.2	1754.8	1789.5	1791.6	1798.7	1756.2	1699.6	1637.7
60°	1740.7	1752.0	1804.0	1879.1	1933.9	1951.6	1944.2	1881.2	1815.4	1744.2
62.5°	1874.5	1886.9	1949.1	2039.0	2125.8	2169.7	2140.6	2049.3	1967.9	1882.6
65°	1985.2	1999.1	2111.6	2271.9	2429.8	2517.9	2445.0	2276.9	2130.4	2010.0
67.5°	1904.9	1921.9	2098.5	2393.0	2785.5	3048.5	2799.0	2429.1	2142.0	1978.9
70°	1664.9	1680.9	1886.9	2246.8	2885.7	3461.9	2945.8	2313.0	1893.6	1710.9
72.5°	1105.4	1156.7	1365.1	1797.0	2576.7	3203.5	2602.2	1760.5	1266.4	1102.9
75°	366.7	407.7	550.0	931.6	1725.8	2395.8	1643.0	824.3	435.7	313.6
77.5°	92.4	106.5	146.9	266.5	688.4	1364.1	619.7	217.7	118.6	82.8
80°	45.0	49.6	70.8	88.8	172.4	433.6	161.8	83.5	55.9	43.2
82.5°	24.8	25.1	40.0	50.3	64.1	112.2	66.5	48.8	32.2	26.2
85°	15.2	14.9	21.2	26.9	26.9	40.0	31.9	26.9	18.4	16.3
87.5°	6.0	6.0	7.8	8.5	7.4	10.3	8.1	8.8	7.1	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
675.3
678.9
684.2
690.5
696.6
702.6
712.1
723.8
737.3
750.7
765.9
786.8
816.5
856.9
907.9
970.1
1043.1
1123.4
1209.1
1292.9
1381.1
1460.0
1539.3
1629.2
1732.9
1867.7
1990.2
1954.5
1686.5
1067.1
296.6
74.0
39.6
26.2
17.0
7.1
0.0

OF REPORT)