

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: P945734

Luminaire Tested: **GALN-SB1C-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945734
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-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7281 lumens
Efficiency: N/A
Efficacy: 133.8 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

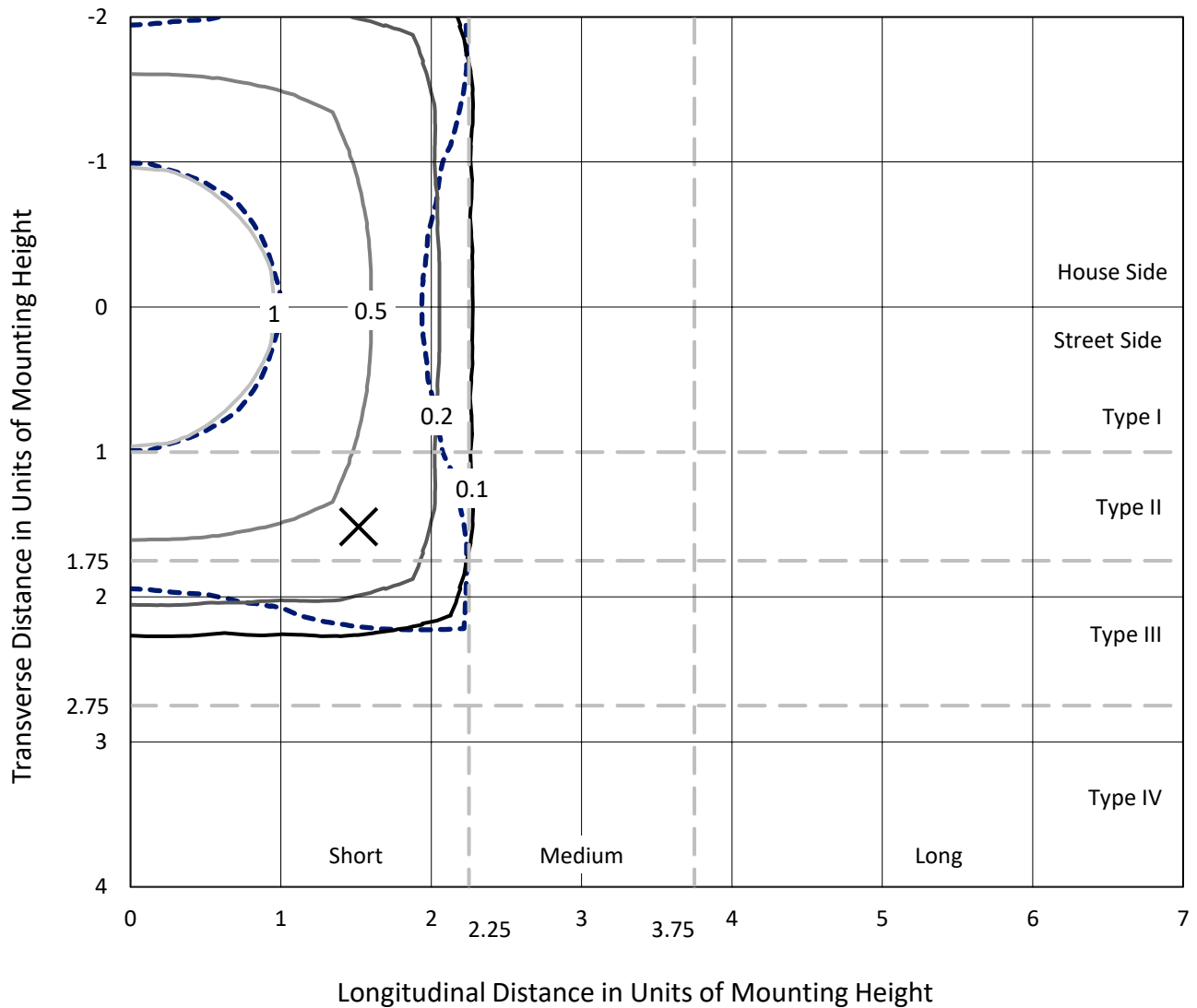
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

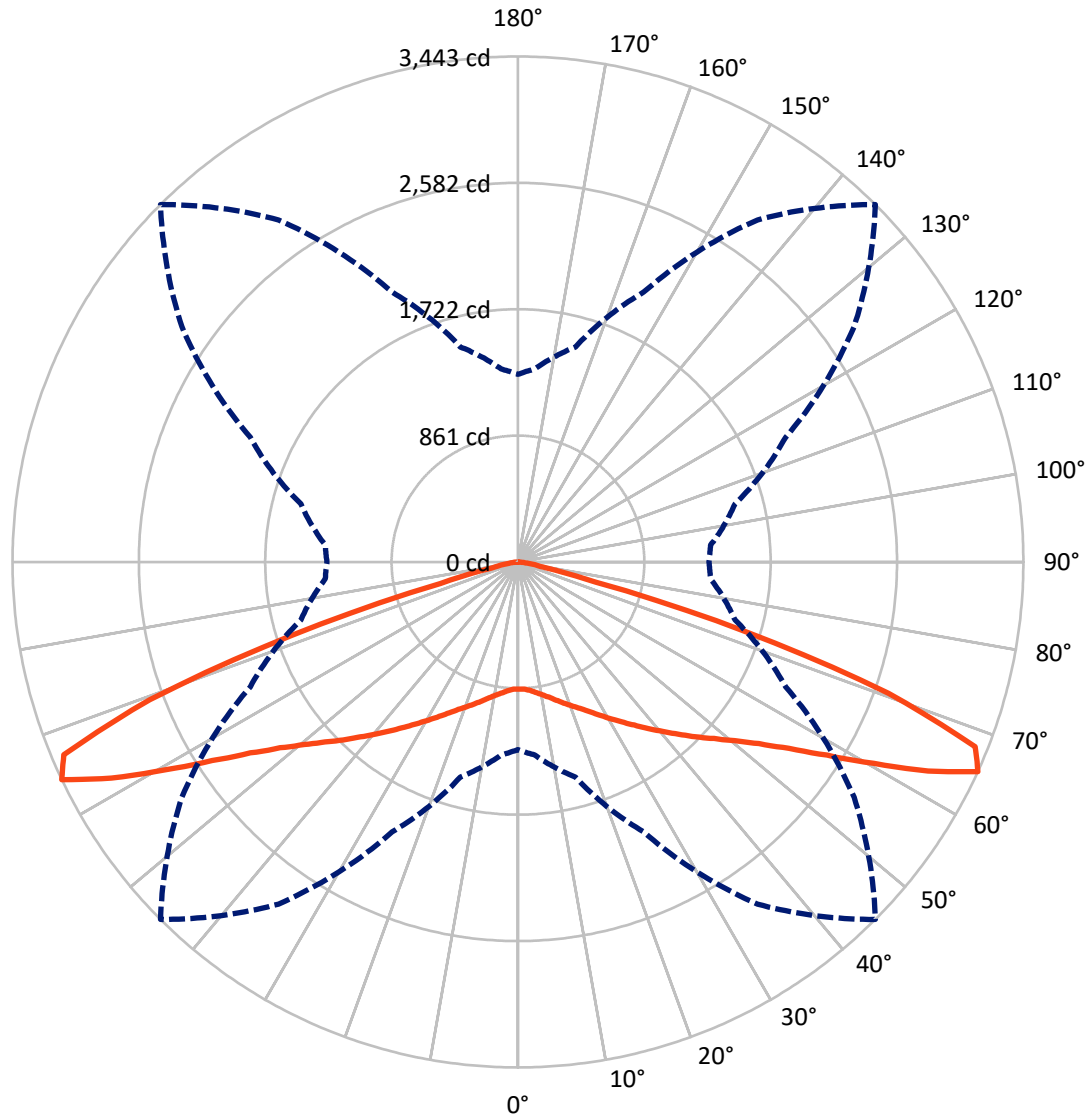
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	3640.5	0.0	3640.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3640.5	0.0	3640.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7281.0	0.0	7281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.2
10°-20°	279.0	3.8
20°-30°	526.9	7.2
30°-40°	862.7	11.8
40°-50°	1337.7	18.4
50°-60°	1976.0	27.1
60°-70°	1881.0	25.8
70°-80°	303.5	4.2
80°-90°	28.6	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°	7281.0	100.0
0°-180°	7281.0	100.0

Coefficient of Utilization



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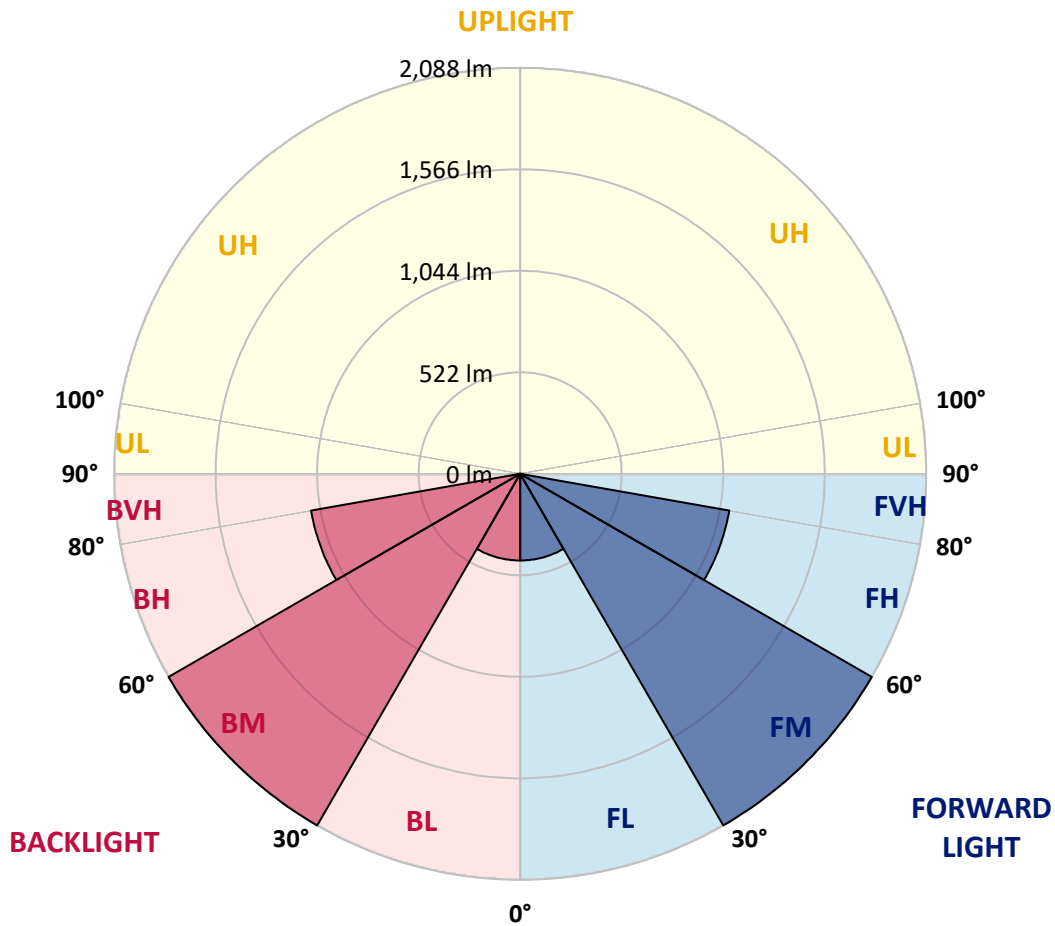
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.7	6.1			
FM (30°-60°)	2088.2	28.7			
FH (60°-80°)	1092.3	15.0			G1/1800
FVH (80°-90°)	14.3	0.2			G1/100
BL (0°-30°)	445.7	6.1	B1/500		
BM (30°-60°)	2088.2	28.7	B2/2500		
BH (60°-80°)	1092.3	15.0	B3/2500		G1/1800
BVH (80°-90°)	14.3	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°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	872.4	869.4	871.6	869.8	868.3	866.9	867.6	870.2	871.3	871.6
5°	884.0	881.5	882.6	882.6	880.0	879.3	879.7	881.5	883.7	883.7
7.5°	903.0	900.5	903.0	901.6	899.4	898.7	898.3	899.8	903.0	903.0
10°	926.1	923.1	924.6	923.9	921.3	920.2	919.8	922.0	925.0	924.6
12.5°	951.3	948.0	949.8	947.6	946.9	945.8	945.8	945.4	947.2	945.8
15°	979.4	977.2	977.9	976.5	977.6	976.8	973.9	972.5	973.2	971.0
17.5°	1012.6	1007.5	1010.1	1009.3	1009.3	1010.8	1006.1	1004.2	1005.7	1003.5
20°	1051.0	1045.9	1047.0	1045.5	1043.7	1045.1	1039.3	1040.8	1041.9	1040.4
22.5°	1093.0	1086.4	1086.1	1086.8	1082.8	1083.1	1079.1	1082.8	1085.0	1080.9
25°	1136.1	1129.2	1133.9	1132.1	1127.0	1128.1	1125.2	1128.8	1130.6	1125.5
27.5°	1181.8	1177.0	1181.4	1182.5	1176.3	1180.7	1176.3	1179.6	1181.4	1173.7
30°	1235.1	1230.4	1234.4	1237.3	1230.0	1236.9	1233.3	1235.5	1235.8	1226.7
32.5°	1293.2	1285.9	1296.1	1297.6	1289.5	1297.9	1293.2	1296.1	1297.9	1285.5
35°	1364.1	1354.9	1366.6	1364.8	1357.9	1364.8	1360.4	1364.8	1369.2	1354.2
37.5°	1440.4	1430.9	1443.3	1440.0	1433.5	1438.2	1435.7	1438.6	1445.5	1429.5
40°	1524.4	1512.7	1529.5	1523.7	1517.5	1516.8	1518.2	1520.0	1529.2	1511.3
42.5°	1614.3	1601.9	1627.1	1618.0	1609.2	1603.3	1608.1	1611.7	1620.5	1600.4
45°	1717.0	1702.7	1735.6	1724.6	1710.7	1698.7	1706.4	1711.8	1724.6	1700.5
47.5°	1830.2	1814.1	1849.2	1845.9	1823.3	1797.0	1814.5	1830.2	1839.7	1810.5
50°	1940.9	1928.5	1974.5	1978.5	1950.7	1913.9	1938.3	1962.1	1964.6	1926.3
52.5°	2044.6	2032.2	2099.1	2124.3	2099.4	2055.6	2081.5	2105.6	2086.3	2036.6
55°	2127.6	2117.3	2202.4	2267.5	2275.9	2239.7	2255.0	2254.3	2190.8	2114.4
57.5°	2147.6	2146.2	2253.6	2391.3	2479.0	2483.4	2453.0	2375.6	2238.6	2136.0
60°	2056.3	2065.5	2213.0	2456.0	2689.8	2786.9	2655.8	2434.8	2184.2	2041.7
62.5°	1783.1	1807.2	1985.1	2377.1	2860.0	3136.2	2818.4	2344.9	1960.6	1774.7
65°	1277.8	1319.9	1516.4	2028.6	2844.7	3443.0	2795.0	2012.1	1531.0	1316.6
67.5°	579.7	622.5	789.4	1388.9	2472.8	3359.7	2466.9	1403.5	828.9	624.7
70°	210.1	217.4	271.1	556.0	1580.3	2677.0	1647.9	560.0	288.2	231.6
72.5°	127.1	128.2	139.5	199.1	549.1	1625.3	572.4	205.7	142.5	126.4
75°	80.7	80.0	99.4	121.6	194.7	548.3	204.2	121.6	99.0	90.2
77.5°	58.1	59.9	71.2	91.0	122.7	185.9	120.6	86.9	71.2	58.4
80°	43.5	44.6	51.9	70.9	86.2	115.8	76.7	64.3	53.7	36.5
82.5°	31.4	31.4	34.0	51.5	52.6	62.5	41.6	45.3	35.4	25.9
85°	18.6	18.3	21.2	30.7	27.4	23.0	19.0	27.8	22.3	16.1
87.5°	6.6	6.9	6.6	8.8	7.3	6.2	5.8	7.7	6.2	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
866.5
871.6
883.7
901.9
923.9
946.5
971.4
1005.3
1043.7
1085.0
1131.4
1179.6
1232.2
1293.9
1363.3
1439.3
1517.1
1611.0
1712.9
1820.3
1931.0
2038.1
2117.0
2129.4
2024.9
1763.7
1300.9
615.5
228.7
128.6
91.0
59.5
37.6
25.9
15.7
5.1
0.0

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