

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: P939140

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
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-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7029 lumens
Efficiency: N/A
Efficacy: 129.2 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

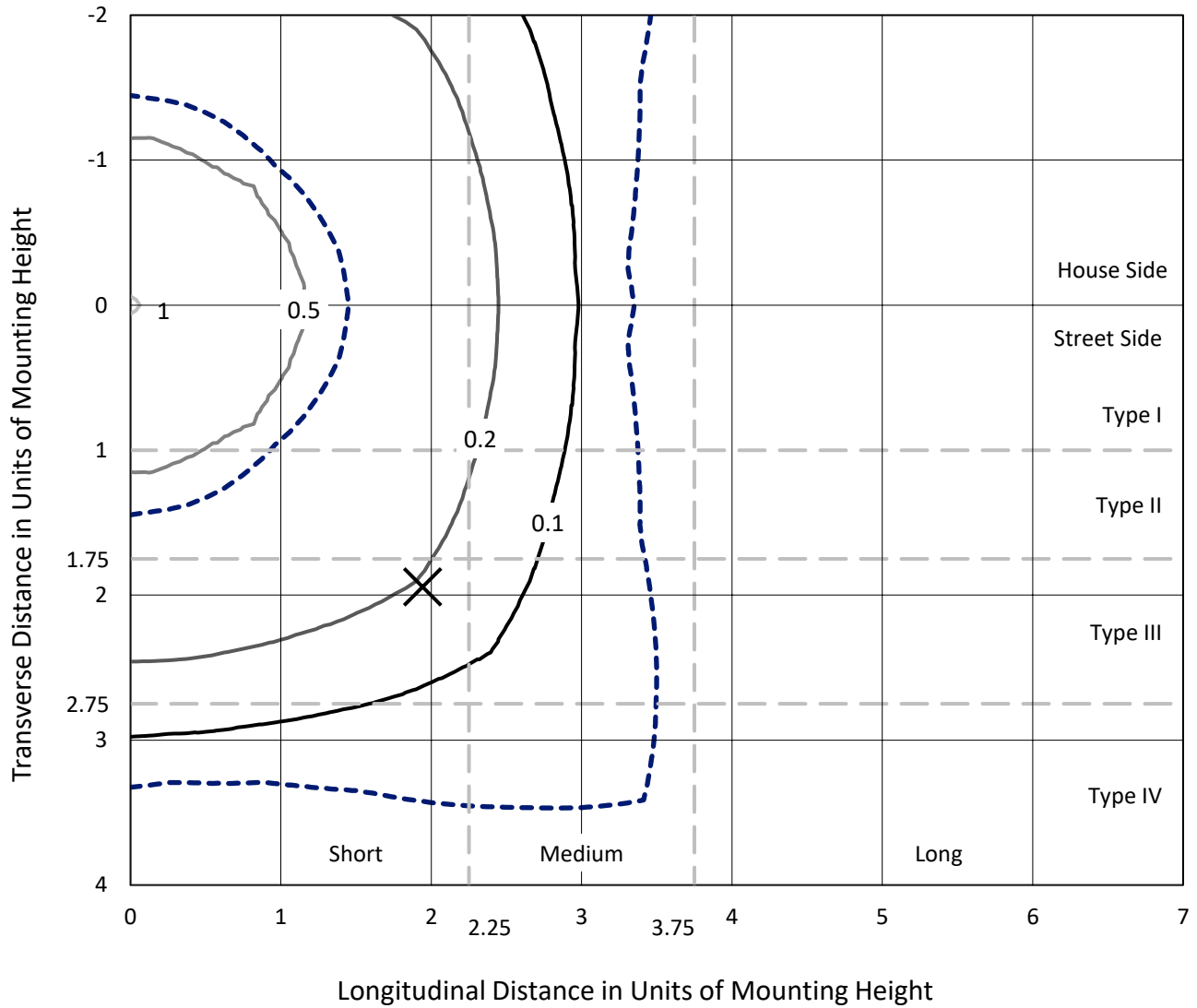
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

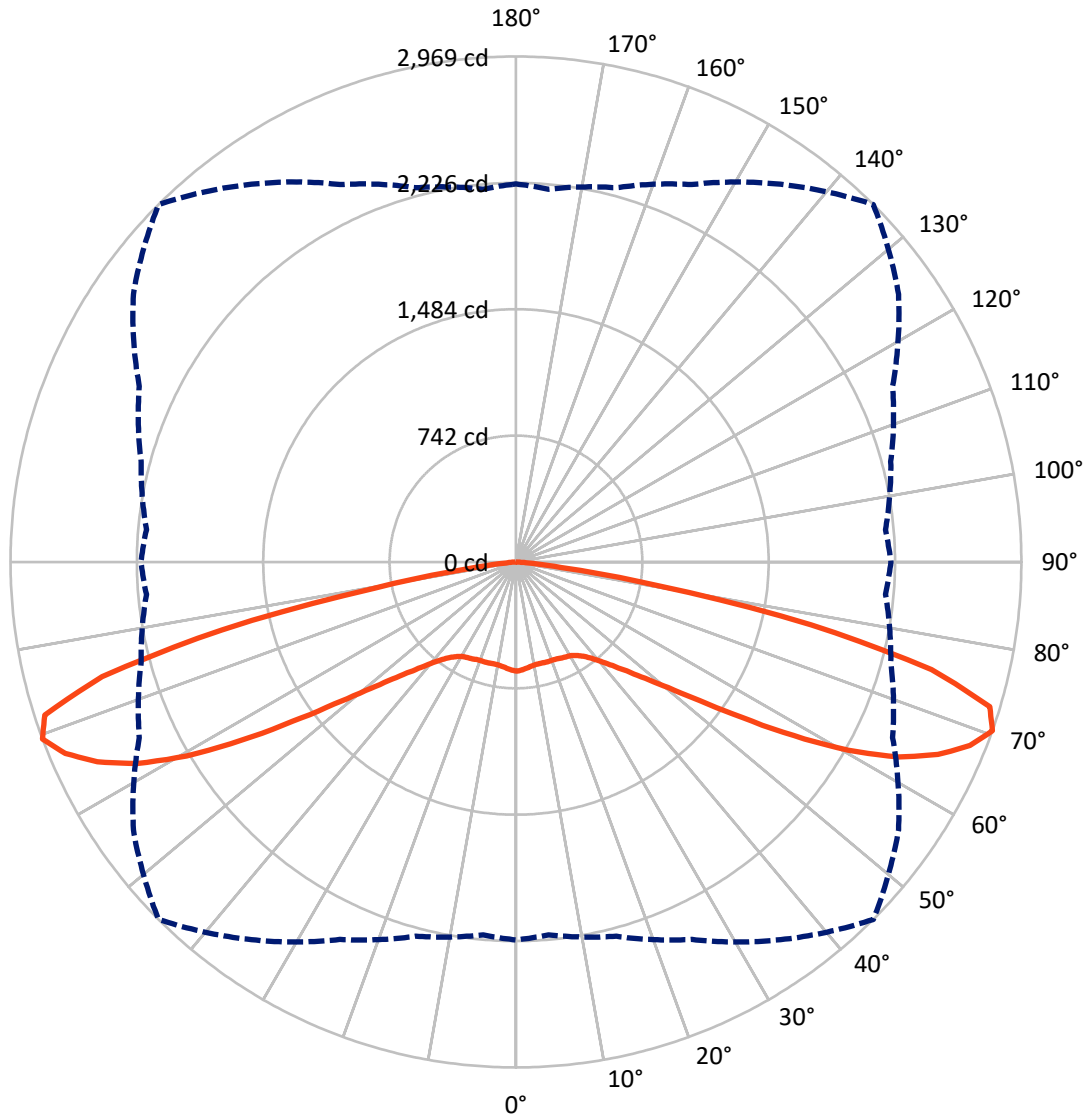
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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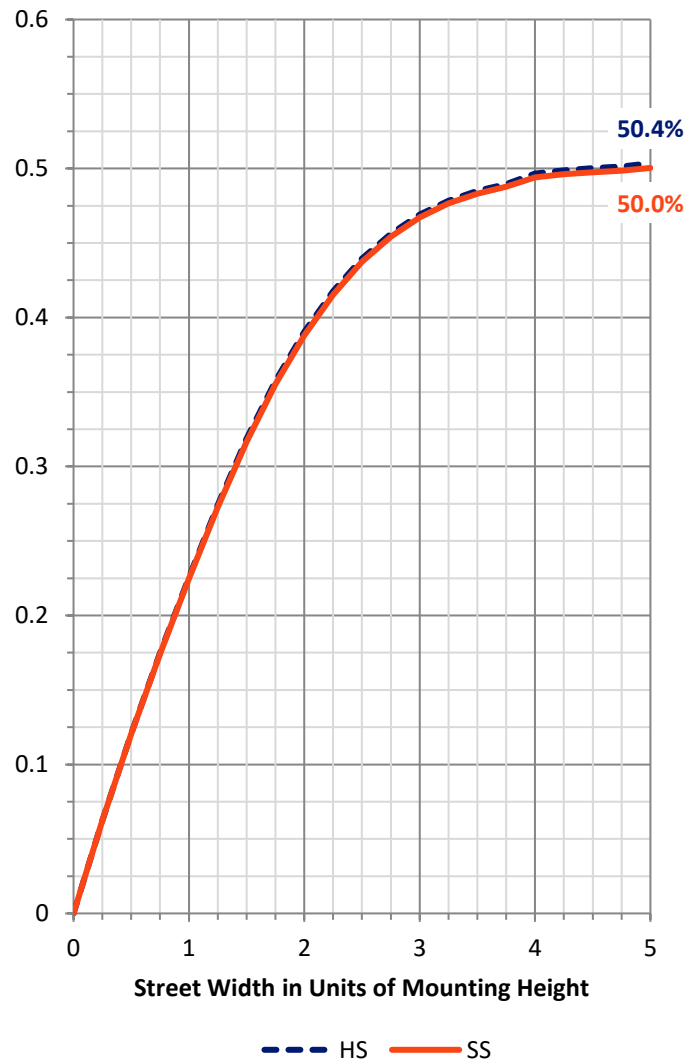
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3514.5	0.0	3514.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3514.5	0.0	3514.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7029.0	0.0	7029.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	0.8
10°-20°	175.1	2.5
20°-30°	291.4	4.1
30°-40°	440.8	6.3
40°-50°	732.4	10.4
50°-60°	1382.1	19.7
60°-70°	2333.7	33.2
70°-80°	1533.5	21.8
80°-90°	80.3	1.1
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°	7029.0	100.0
0°-180°	7029.0	100.0



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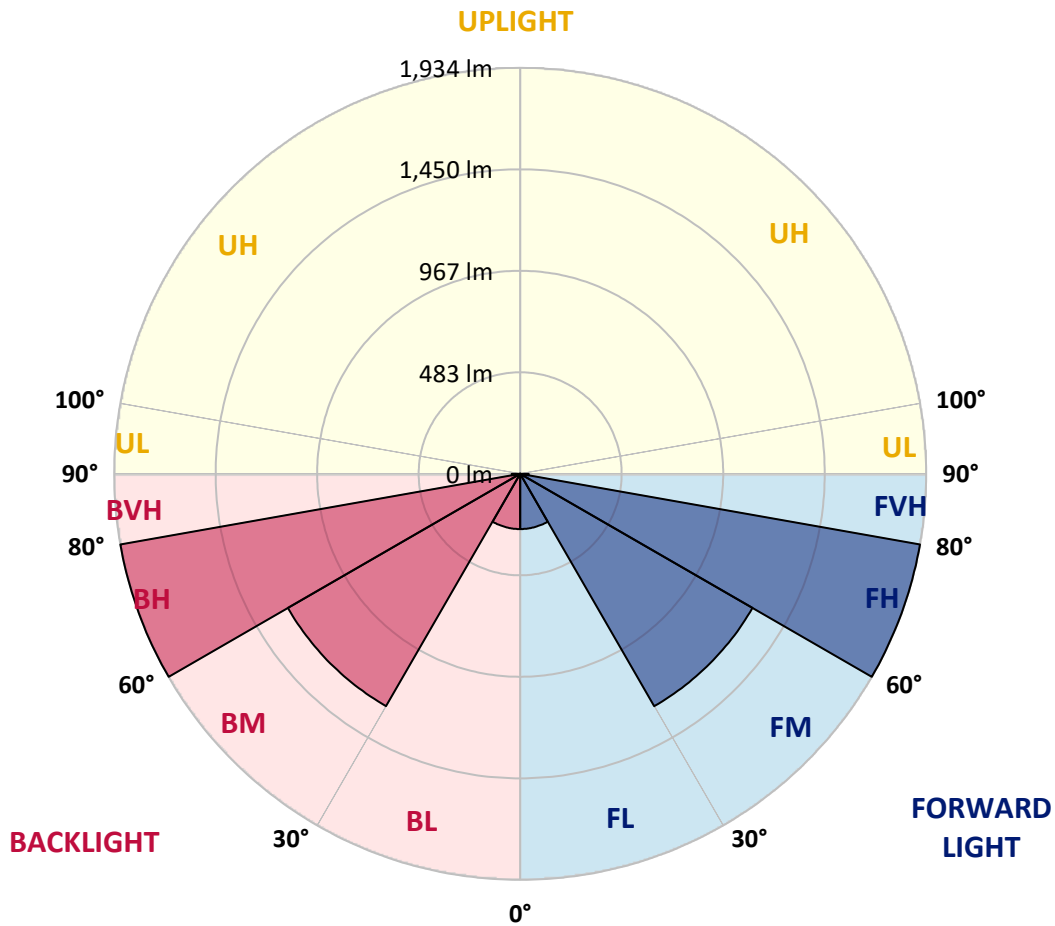
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.1	3.7			
FM (30°-60°)	1277.6	18.2			
FH (60°-80°)	1933.6	27.5			G2/5000
FVH (80°-90°)	40.2	0.6			G1/100
BL (0°-30°)	263.1	3.7	B1/500		
BM (30°-60°)	1277.6	18.2	B2/2500		
BH (60°-80°)	1933.6	27.5	B3/2500		G2/5000
BVH (80°-90°)	40.2	0.6			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°	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2
2.5°	637.2	639.0	638.3	636.8	636.8	635.7	636.8	637.5	638.6	639.4
5°	628.8	630.2	629.9	628.8	629.1	628.0	628.8	629.9	630.6	631.0
7.5°	621.5	622.9	622.2	620.4	620.4	619.3	619.6	620.7	621.8	622.2
10°	619.6	621.1	618.9	616.0	614.9	613.4	613.8	614.9	617.1	618.2
12.5°	620.4	621.5	619.3	614.9	613.8	612.3	612.3	613.4	616.3	617.8
15°	622.6	623.6	620.4	615.6	614.5	613.4	613.1	614.5	617.8	620.4
17.5°	626.6	627.7	622.6	616.0	614.5	614.9	614.5	615.6	620.7	625.5
20°	630.2	631.0	624.0	616.0	614.5	614.9	614.5	616.7	623.3	629.9
22.5°	631.3	632.1	625.5	618.5	617.4	617.8	617.4	619.6	625.8	632.4
25°	631.7	632.8	627.7	622.2	624.0	624.7	624.0	624.4	629.1	635.0
27.5°	637.2	638.6	633.9	629.1	630.2	629.9	631.0	632.1	635.7	641.6
30°	648.5	649.6	645.6	640.8	640.1	637.5	640.8	644.5	648.5	653.6
32.5°	667.1	669.3	664.2	659.1	655.8	654.3	656.9	663.1	668.6	674.1
35°	698.2	699.6	694.9	685.4	679.5	679.5	681.7	689.8	698.5	705.5
37.5°	742.0	743.8	735.4	724.1	715.4	715.4	718.3	726.7	739.8	749.7
40°	795.4	797.9	787.3	775.6	767.2	765.8	769.4	778.9	791.3	803.8
42.5°	859.7	862.6	848.7	838.5	831.9	831.9	833.7	842.5	853.8	869.2
45°	941.9	947.0	928.0	917.8	911.5	913.0	914.1	921.8	932.0	949.5
47.5°	1039.8	1044.9	1024.8	1014.2	1013.1	1020.1	1015.7	1021.1	1026.6	1046.7
50°	1150.8	1159.6	1145.7	1145.0	1147.2	1160.0	1149.8	1152.7	1146.5	1159.3
52.5°	1286.8	1299.5	1297.0	1301.4	1325.8	1352.2	1328.8	1318.5	1295.2	1299.2
55°	1451.5	1470.9	1474.5	1500.9	1556.4	1610.1	1560.4	1519.1	1469.4	1460.3
57.5°	1639.0	1654.3	1671.8	1725.5	1829.3	1924.7	1829.3	1738.0	1659.8	1641.1
60°	1840.6	1859.6	1876.4	1955.7	2109.9	2244.0	2107.0	1961.9	1858.5	1833.3
62.5°	2057.3	2081.8	2093.4	2181.5	2361.2	2521.3	2363.8	2188.1	2073.4	2046.3
65°	2265.2	2285.3	2298.4	2392.3	2564.0	2724.4	2575.7	2402.5	2284.5	2249.1
67.5°	2362.0	2372.9	2405.1	2511.4	2692.6	2875.7	2723.3	2522.7	2390.8	2328.7
70°	2220.2	2197.9	2275.4	2445.6	2708.0	2968.5	2743.0	2440.5	2279.0	2178.2
72.5°	1715.7	1677.3	1811.8	2102.9	2532.6	2909.3	2550.1	2119.4	1895.4	1690.8
75°	933.5	890.0	1075.6	1443.9	2019.6	2521.6	2066.0	1485.1	1197.6	926.5
77.5°	263.4	247.0	396.8	698.5	1214.8	1770.5	1261.5	713.9	470.6	279.1
80°	80.7	78.2	106.0	210.4	515.9	848.0	495.8	213.0	134.8	85.1
82.5°	47.9	43.8	52.6	76.7	131.5	266.3	127.9	80.0	64.3	43.1
85°	27.4	25.6	31.1	37.3	44.2	56.6	36.9	38.0	34.3	23.0
87.5°	11.3	10.2	12.1	11.7	10.2	13.2	9.9	11.7	13.9	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
641.2
639.0
631.0
622.2
618.2
618.2
620.7
625.5
630.2
632.4
634.6
640.1
652.5
671.9
702.9
746.0
799.7
868.1
948.8
1040.9
1151.6
1285.7
1446.0
1628.0
1811.4
2024.4
2231.5
2329.5
2202.3
1741.6
986.8
310.2
89.9
46.8
24.1
8.4
0.0

OF REPORT)