

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: P947288

Luminaire Tested: **GALN-SB2C-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947288
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-SB2C-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11373 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

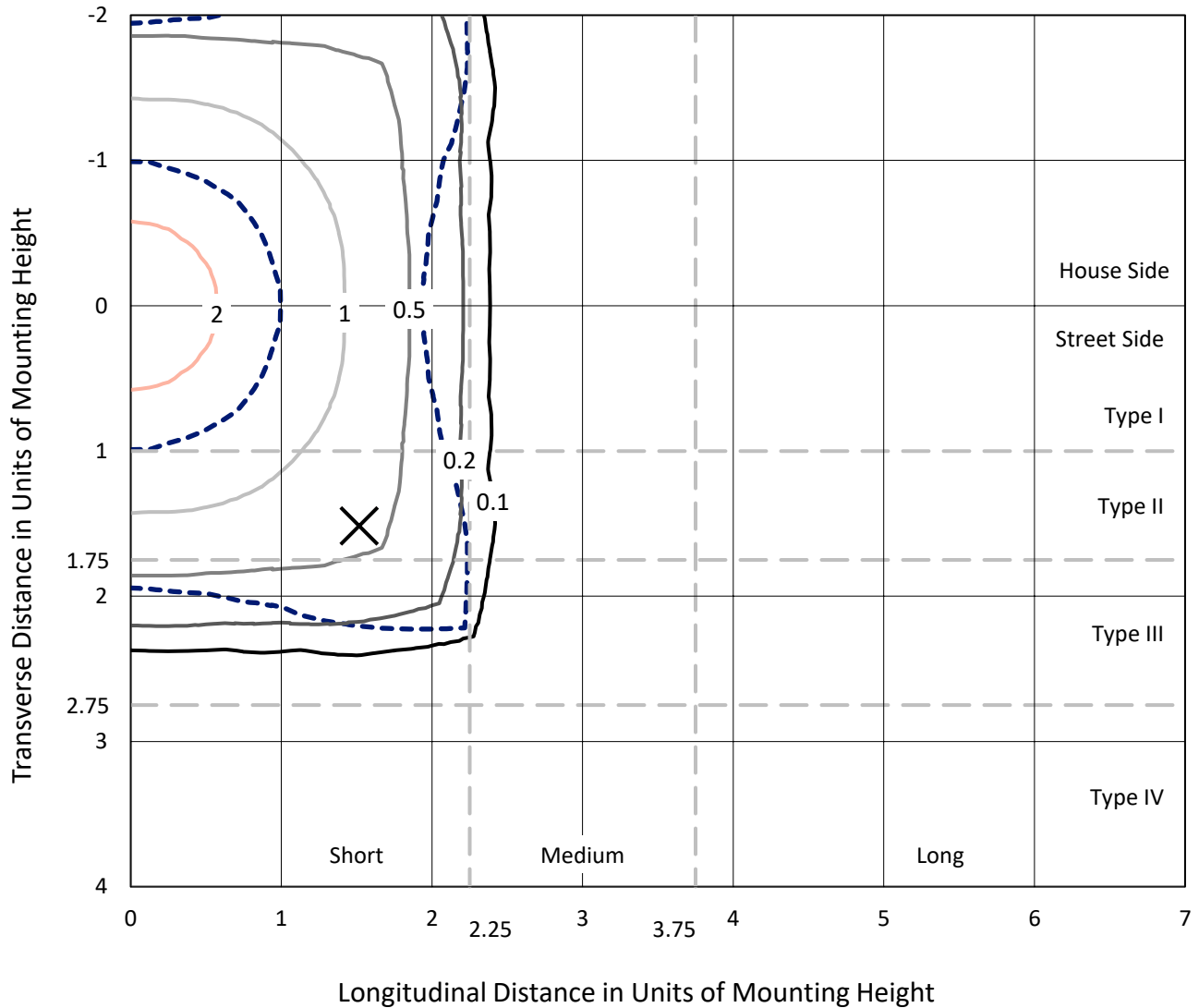
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

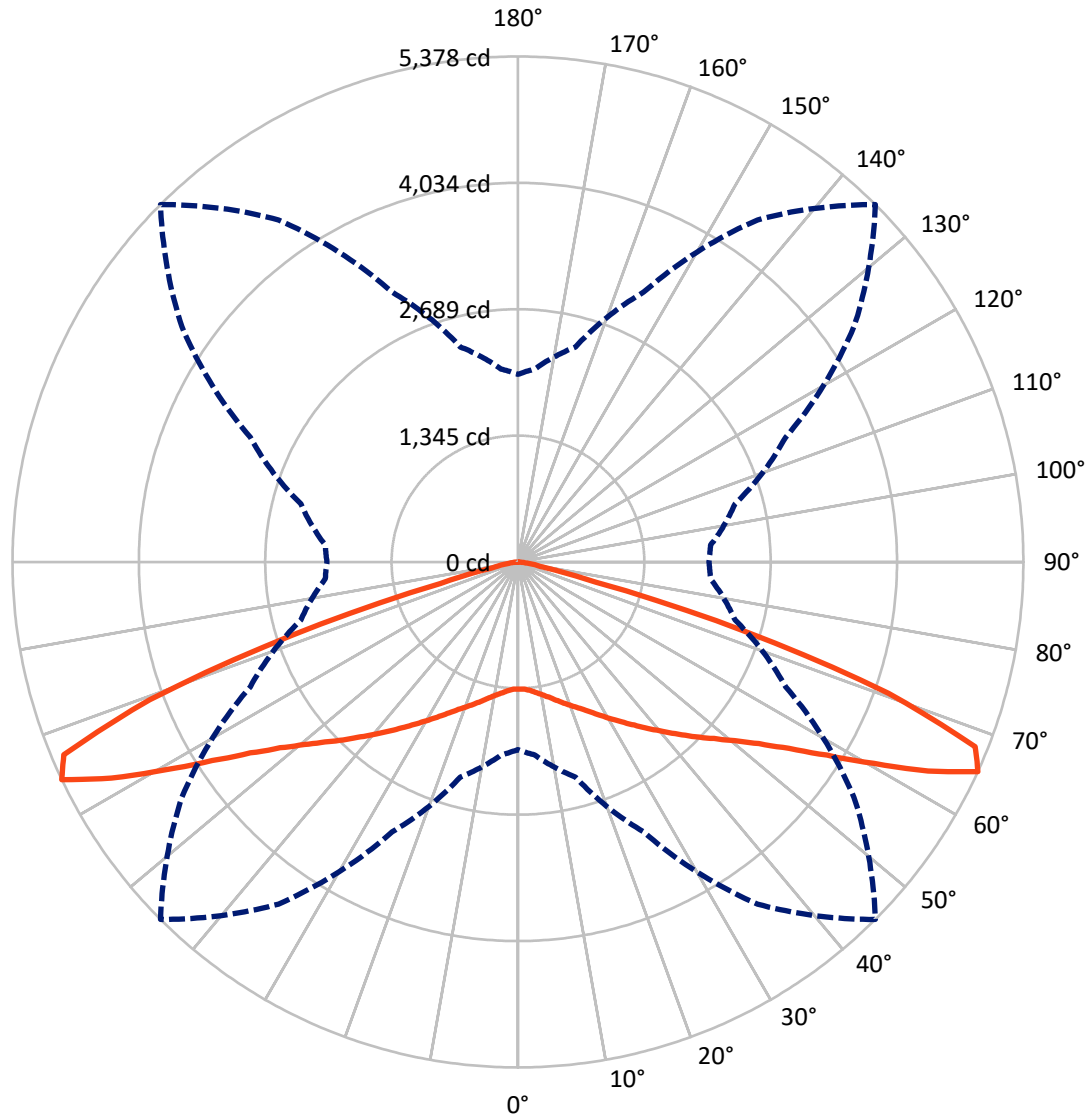
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	5686.5	0.0	5686.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5686.5	0.0	5686.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11373.0	0.0	11373.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.6	1.2
10°-20°	435.9	3.8
20°-30°	823.0	7.2
30°-40°	1347.6	11.8
40°-50°	2089.5	18.4
50°-60°	3086.6	27.1
60°-70°	2938.1	25.8
70°-80°	474.1	4.2
80°-90°	44.7	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°	11373.0	100.0
0°-180°	11373.0	100.0



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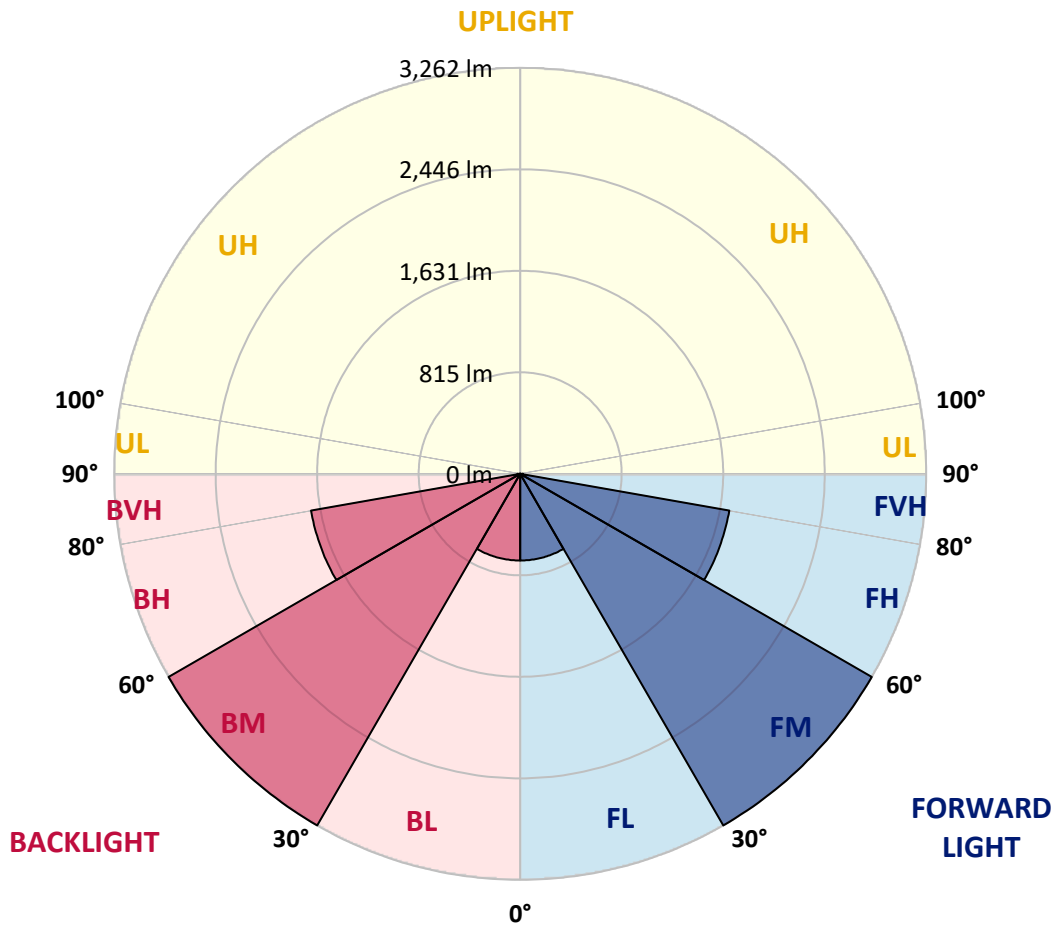
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.2	6.1			
FM (30°-60°)	3261.8	28.7			
FH (60°-80°)	1706.1	15.0			G1/1800
FVH (80°-90°)	22.3	0.2			G1/100
BL (0°-30°)	696.2	6.1	B2/1000		
BM (30°-60°)	3261.8	28.7	B3/5000		
BH (60°-80°)	1706.1	15.0	B3/2500		G1/1800
BVH (80°-90°)	22.3	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°	1353.5	1353.5	1353.5	1353.5	1353.5	1353.5	1353.5	1353.5	1353.5	1353.5
2.5°	1362.6	1358.1	1361.5	1358.6	1356.4	1354.1	1355.2	1359.2	1360.9	1361.5
5°	1380.9	1376.9	1378.6	1378.6	1374.6	1373.5	1374.0	1376.9	1380.3	1380.3
7.5°	1410.6	1406.6	1410.6	1408.3	1404.9	1403.7	1403.1	1405.4	1410.6	1410.6
10°	1446.5	1441.9	1444.2	1443.1	1439.1	1437.4	1436.8	1440.2	1444.8	1444.2
12.5°	1485.9	1480.7	1483.6	1480.2	1479.0	1477.3	1477.3	1476.8	1479.6	1477.3
15°	1529.8	1526.4	1527.5	1525.3	1527.0	1525.8	1521.3	1519.0	1520.1	1516.7
17.5°	1581.7	1573.8	1577.8	1576.6	1576.6	1578.9	1571.5	1568.6	1570.9	1567.5
20°	1641.7	1633.7	1635.4	1633.1	1630.2	1632.5	1623.4	1625.7	1627.4	1625.1
22.5°	1707.3	1697.0	1696.4	1697.6	1691.3	1691.9	1685.6	1691.3	1694.7	1688.5
25°	1774.6	1763.8	1771.2	1768.3	1760.3	1762.1	1757.5	1763.2	1766.1	1758.1
27.5°	1845.9	1838.5	1845.4	1847.1	1837.4	1844.2	1837.4	1842.5	1845.4	1833.4
30°	1929.3	1921.8	1928.1	1932.7	1921.3	1932.1	1926.4	1929.8	1930.4	1916.1
32.5°	2020.0	2008.6	2024.5	2026.8	2014.3	2027.4	2020.0	2024.5	2027.4	2008.0
35°	2130.7	2116.4	2134.7	2131.8	2121.0	2131.8	2125.0	2131.8	2138.7	2115.3
37.5°	2249.9	2235.1	2254.5	2249.4	2239.1	2246.5	2242.5	2247.1	2257.9	2232.8
40°	2381.2	2362.9	2389.2	2380.0	2370.3	2369.2	2371.5	2374.3	2388.6	2360.6
42.5°	2521.6	2502.2	2541.5	2527.3	2513.6	2504.4	2511.9	2517.6	2531.3	2499.9
45°	2681.9	2659.6	2711.0	2693.9	2672.2	2653.4	2665.3	2673.9	2693.9	2656.2
47.5°	2858.8	2833.7	2888.5	2883.3	2847.9	2806.9	2834.2	2858.8	2873.6	2828.0
50°	3031.7	3012.3	3084.2	3090.5	3047.1	2989.5	3027.7	3064.8	3068.8	3008.9
52.5°	3193.7	3174.3	3278.8	3318.1	3279.3	3210.9	3251.4	3289.0	3258.8	3181.2
55°	3323.3	3307.3	3440.2	3541.8	3554.9	3498.4	3522.4	3521.3	3422.0	3302.7
57.5°	3354.7	3352.4	3520.1	3735.3	3872.2	3879.0	3831.7	3710.7	3496.7	3336.4
60°	3212.0	3226.3	3456.8	3836.3	4201.4	4353.2	4148.4	3803.2	3411.7	3189.2
62.5°	2785.2	2822.8	3100.7	3713.0	4467.4	4898.7	4402.3	3662.8	3062.5	2772.1
65°	1996.0	2061.6	2368.6	3168.6	4443.4	5378.1	4365.8	3143.0	2391.5	2056.5
67.5°	905.6	972.3	1233.1	2169.5	3862.5	5248.0	3853.4	2192.3	1294.7	975.8
70°	328.1	339.5	423.4	868.5	2468.5	4181.5	2574.0	874.8	450.2	361.8
72.5°	198.6	200.3	218.0	311.0	857.6	2538.7	894.2	321.3	222.5	197.4
75°	126.1	125.0	155.2	190.0	304.1	856.5	319.0	190.0	154.6	140.9
77.5°	90.7	93.6	111.3	142.1	191.7	290.4	188.3	135.8	111.3	91.3
80°	67.9	69.6	81.0	110.7	134.7	180.9	119.8	100.4	83.9	57.1
82.5°	49.1	49.1	53.1	80.5	82.2	97.6	65.1	70.8	55.3	40.5
85°	29.1	28.5	33.1	47.9	42.8	35.9	29.7	43.4	34.8	25.1
87.5°	10.3	10.8	10.3	13.7	11.4	9.7	9.1	12.0	9.7	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1353.5
1361.5
1380.3
1408.9
1443.1
1478.5
1517.3
1570.3
1630.2
1694.7
1767.2
1842.5
1924.7
2021.1
2129.5
2248.2
2369.8
2516.4
2675.6
2843.4
3016.3
3183.5
3306.7
3326.1
3162.9
2754.9
2032.0
961.5
357.2
200.9
142.1
93.0
58.8
40.5
24.5
8.0
0.0

OF REPORT)