

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: P948338

Luminaire Tested: **GALN-SB3B-935-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948338  
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-SB3B-935-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

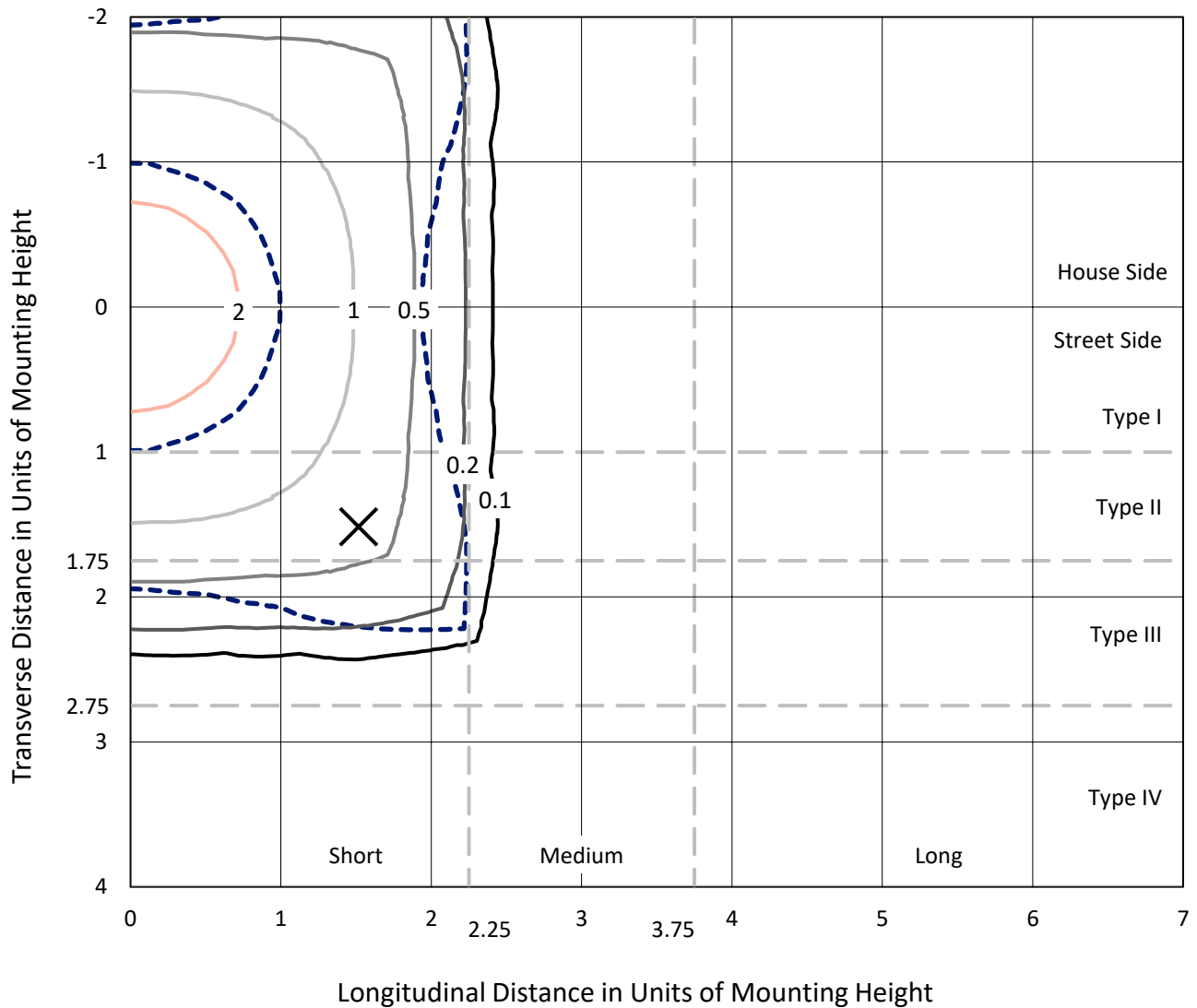
Lumens per Lamp: N/A  
Luminaire Lumens: 12316 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

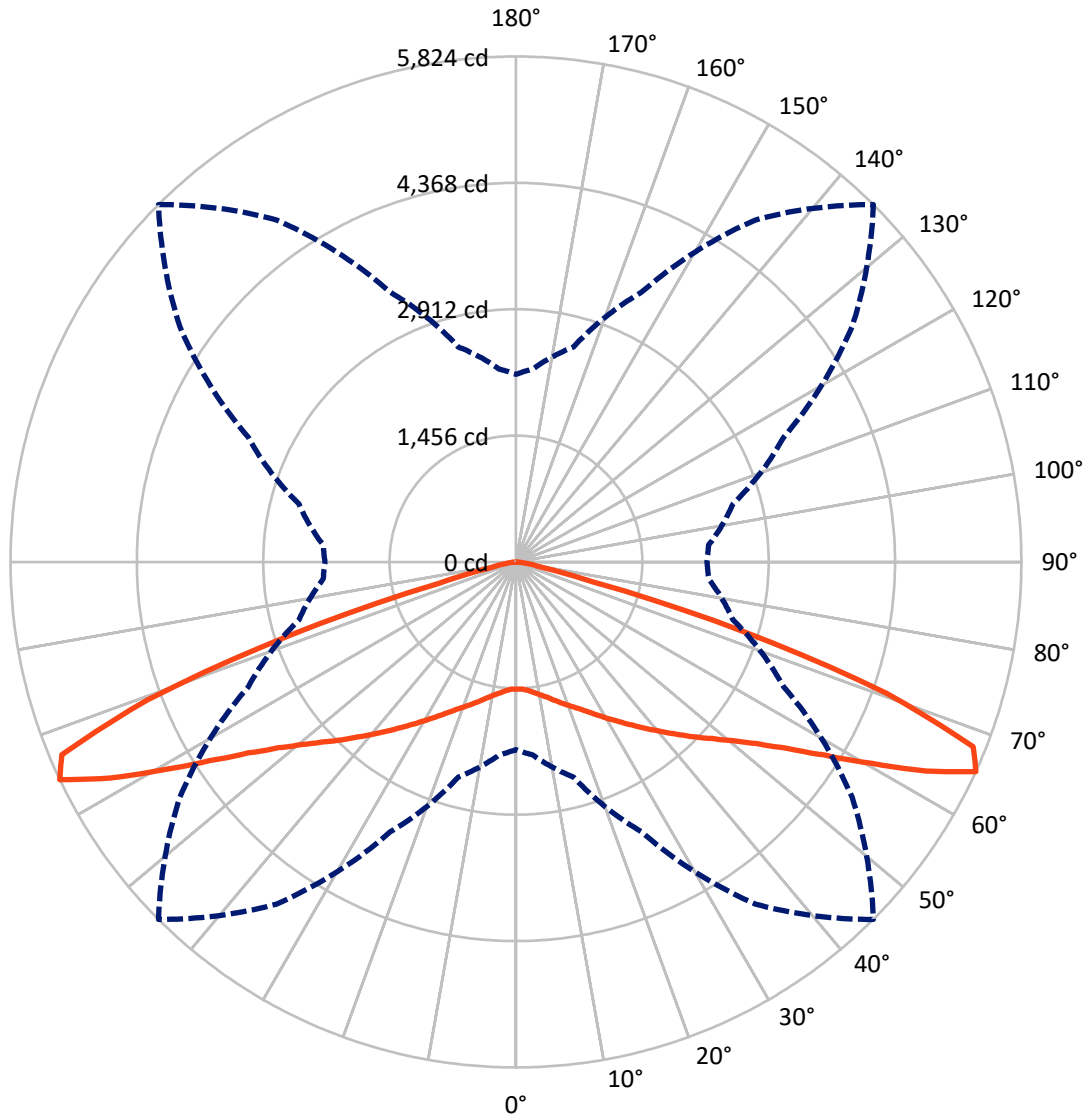
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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
<b>House Side</b>	Lumens	6158.0	0.0	6158.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6158.0	0.0	6158.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12316.0	0.0	12316.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.7	1.2
10°-20°	472.0	3.8
20°-30°	891.2	7.2
30°-40°	1459.3	11.8
40°-50°	2262.7	18.4
50°-60°	3342.5	27.1
60°-70°	3181.8	25.8
70°-80°	513.4	4.2
80°-90°	48.4	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°	12316.0	100.0
0°-180°	12316.0	100.0



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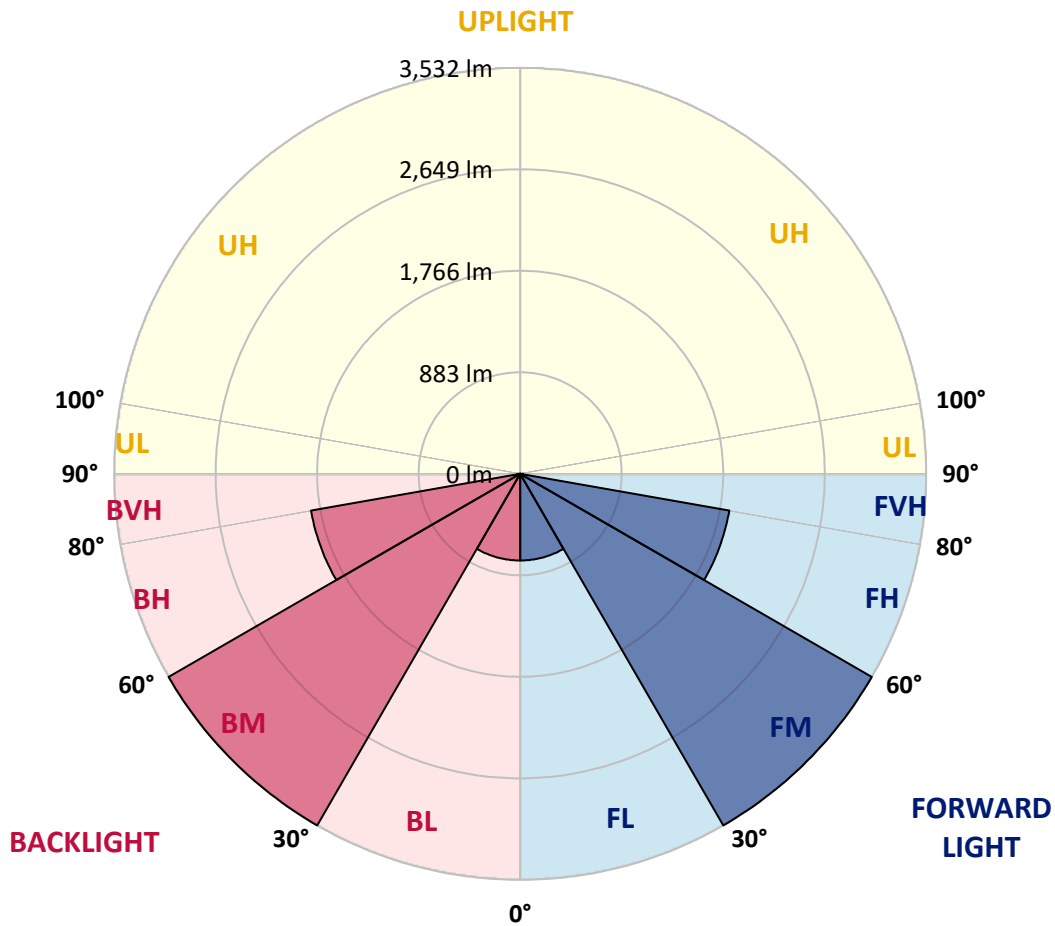
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	753.9	6.1			
FM (30°-60°)	3532.3	28.7			
FH (60°-80°)	1847.6	15.0			G2/5000
FVH (80°-90°)	24.2	0.2			G1/100
BL (0°-30°)	753.9	6.1	B2/1000		
BM (30°-60°)	3532.3	28.7	B3/5000		
BH (60°-80°)	1847.6	15.0	B3/2500		G2/5000
BVH (80°-90°)	24.2	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-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1465.7	1465.7	1465.7	1465.7	1465.7	1465.7	1465.7	1465.7	1465.7	1465.7
2.5°	1475.6	1470.7	1474.4	1471.3	1468.8	1466.3	1467.6	1471.9	1473.8	1474.4
5°	1495.4	1491.1	1492.9	1492.9	1488.6	1487.4	1488.0	1491.1	1494.8	1494.8
7.5°	1527.5	1523.2	1527.5	1525.0	1521.3	1520.1	1519.5	1522.0	1527.5	1527.5
10°	1566.4	1561.5	1564.0	1562.7	1558.4	1556.6	1555.9	1559.7	1564.6	1564.0
12.5°	1609.1	1603.5	1606.6	1602.9	1601.7	1599.8	1599.8	1599.2	1602.3	1599.8
15°	1656.7	1653.0	1654.2	1651.7	1653.6	1652.3	1647.4	1644.9	1646.2	1642.5
17.5°	1712.9	1704.2	1708.6	1707.3	1707.3	1709.8	1701.8	1698.7	1701.2	1697.5
20°	1777.8	1769.1	1771.0	1768.5	1765.4	1767.9	1758.0	1760.5	1762.3	1759.9
22.5°	1848.8	1837.7	1837.1	1838.3	1831.5	1832.2	1825.4	1831.5	1835.2	1828.5
25°	1921.8	1910.0	1918.1	1915.0	1906.3	1908.2	1903.2	1909.4	1912.5	1903.8
27.5°	1999.0	1991.0	1998.4	2000.2	1989.7	1997.1	1989.7	1995.3	1998.4	1985.4
30°	2089.2	2081.2	2088.0	2092.9	2080.6	2092.3	2086.1	2089.8	2090.5	2075.0
32.5°	2187.5	2175.1	2192.4	2194.9	2181.3	2195.5	2187.5	2192.4	2195.5	2174.5
35°	2307.3	2291.9	2311.7	2308.6	2296.8	2308.6	2301.2	2308.6	2316.0	2290.7
37.5°	2436.5	2420.4	2441.4	2435.9	2424.8	2432.8	2428.5	2433.4	2445.1	2418.0
40°	2578.6	2558.8	2587.3	2577.4	2566.9	2565.6	2568.1	2571.2	2586.7	2556.4
42.5°	2730.6	2709.6	2752.3	2736.8	2722.0	2712.1	2720.1	2726.3	2741.1	2707.1
45°	2904.3	2880.2	2935.8	2917.2	2893.8	2873.4	2886.3	2895.6	2917.2	2876.5
47.5°	3095.8	3068.6	3128.0	3122.4	3084.1	3039.6	3069.3	3095.8	3111.9	3062.5
50°	3283.1	3262.0	3339.9	3346.7	3299.7	3237.3	3278.7	3318.9	3323.2	3258.3
52.5°	3458.5	3437.5	3550.6	3593.3	3551.2	3477.1	3521.0	3561.7	3529.0	3445.0
55°	3598.8	3581.5	3725.5	3835.5	3849.7	3788.5	3814.5	3813.2	3705.7	3576.6
57.5°	3632.8	3630.3	3812.0	4045.0	4193.3	4200.7	4149.4	4018.4	3786.7	3613.0
60°	3478.3	3493.8	3743.4	4154.3	4549.8	4714.2	4492.3	4118.5	3694.6	3453.6
62.5°	3016.1	3056.9	3357.8	4020.9	4837.8	5304.9	4767.3	3966.5	3316.4	3001.9
65°	2161.5	2232.6	2565.0	3431.4	4811.8	5824.0	4727.8	3403.6	2589.7	2227.0
67.5°	980.7	1053.0	1335.3	2349.4	4182.8	5683.1	4172.9	2374.1	1402.1	1056.7
70°	355.3	367.7	458.5	940.5	2673.2	4528.2	2787.5	947.3	487.5	391.8
72.5°	215.0	216.9	236.0	336.8	928.7	2749.2	968.3	347.9	241.0	213.8
75°	136.6	135.3	168.1	205.8	329.4	927.5	345.4	205.8	167.5	152.6
77.5°	98.3	101.3	120.5	153.9	207.6	314.5	203.9	147.1	120.5	98.9
80°	73.5	75.4	87.7	119.9	145.8	195.9	129.8	108.8	90.8	61.8
82.5°	53.1	53.1	57.5	87.1	89.0	105.7	70.4	76.6	59.9	43.9
85°	31.5	30.9	35.8	51.9	46.3	38.9	32.1	47.0	37.7	27.2
87.5°	11.1	11.7	11.1	14.8	12.4	10.5	9.9	13.0	10.5	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1465.7
1474.4
1494.8
1525.7
1562.7
1601.1
1643.1
1700.5
1765.4
1835.2
1913.7
1995.3
2084.3
2188.7
2306.1
2434.6
2566.3
2725.1
2897.5
3079.1
3266.4
3447.4
3580.9
3601.9
3425.2
2983.4
2200.4
1041.2
386.8
217.5
153.9
100.7
63.6
43.9
26.6
8.7
0.0

OF REPORT)