

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: P949724

Luminaire Tested: **GALN-SB4B-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949724  
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-SB4B-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

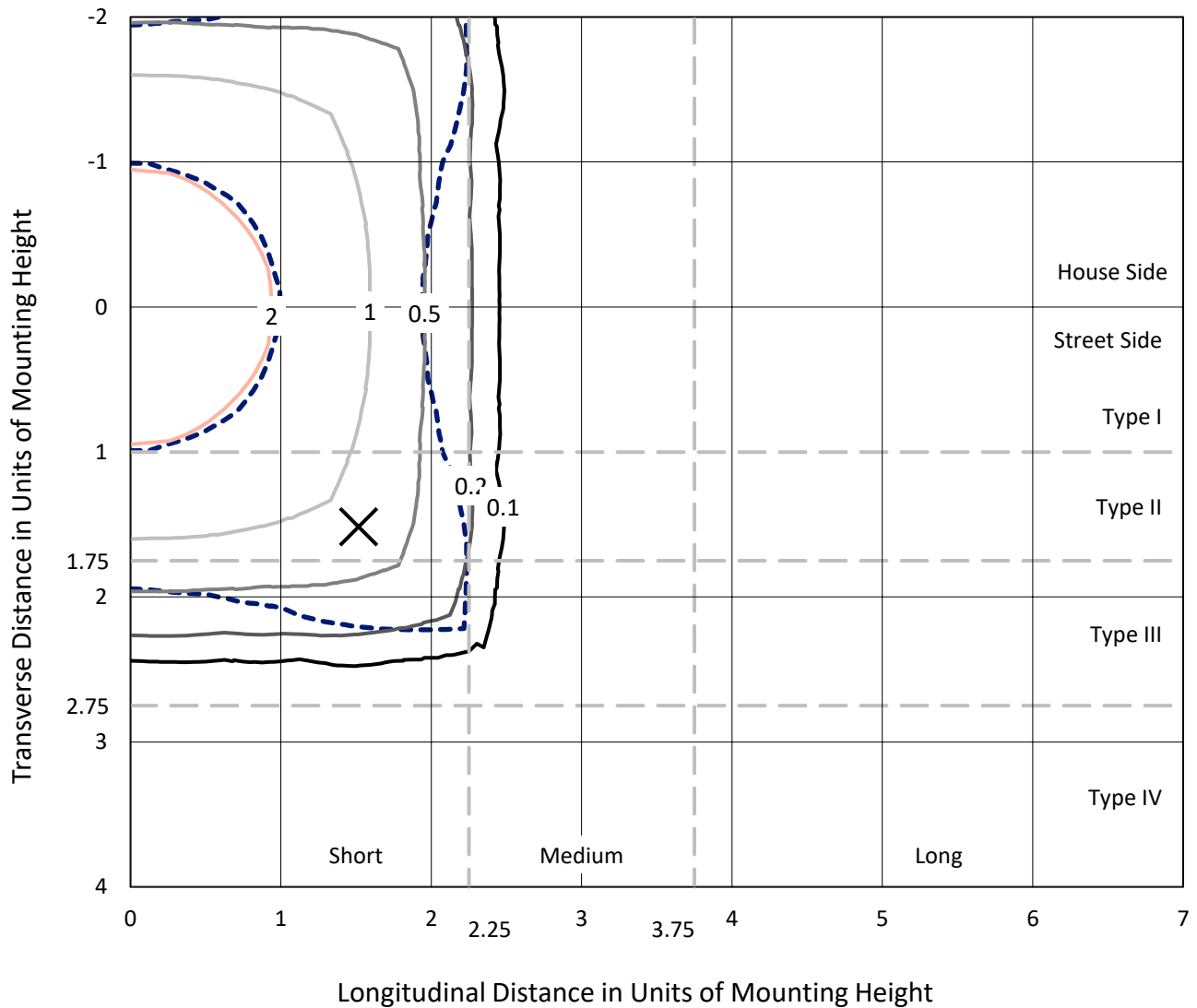
Lumens per Lamp: N/A  
Luminaire Lumens: 14395 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

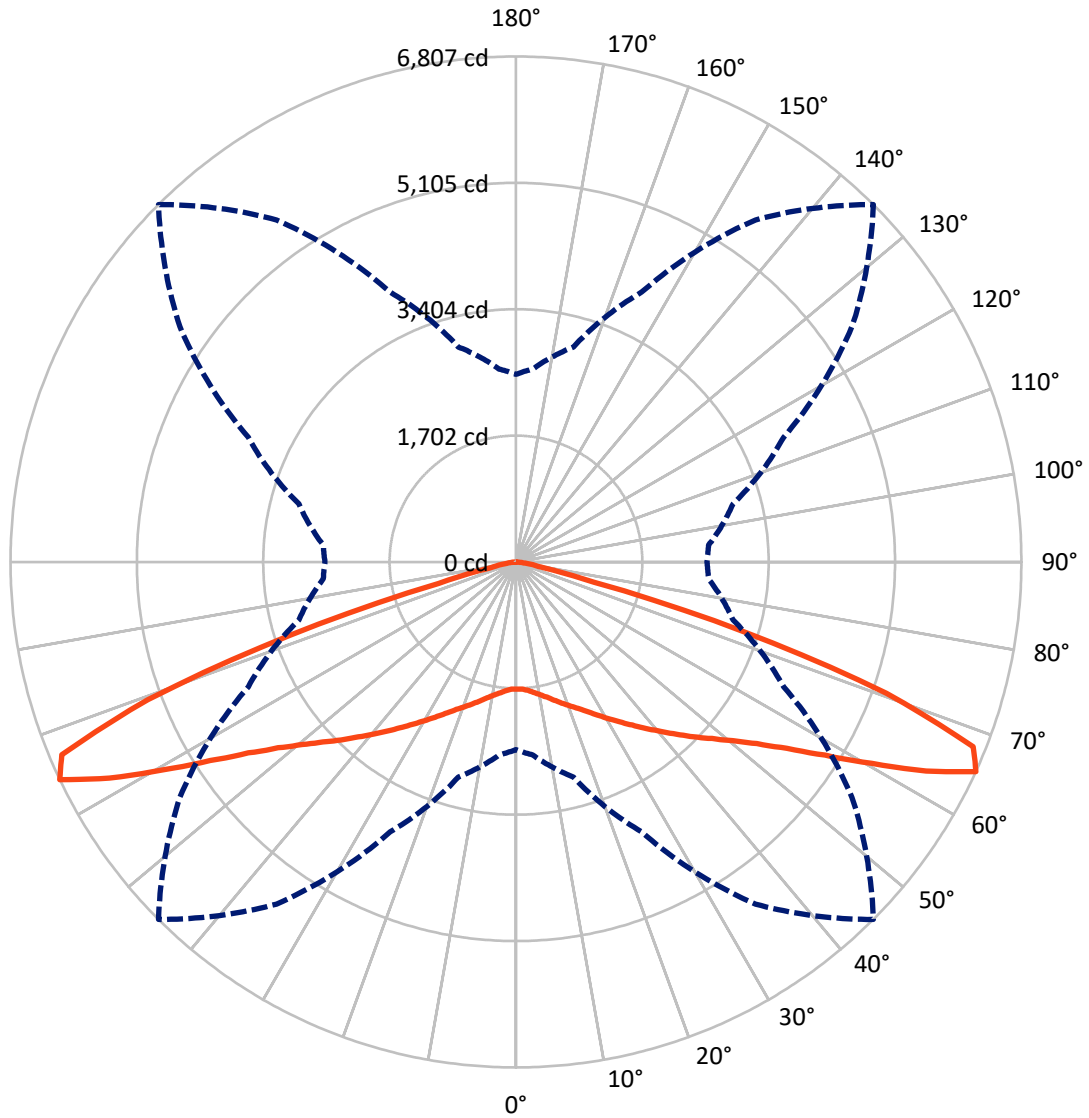
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	7197.5	0.0	7197.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7197.5	0.0	7197.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14395.0	0.0	14395.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.1	1.2
10°-20°	551.7	3.8
20°-30°	1041.7	7.2
30°-40°	1705.7	11.8
40°-50°	2644.7	18.4
50°-60°	3906.7	27.1
60°-70°	3718.8	25.8
70°-80°	600.1	4.2
80°-90°	56.6	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°	14395.0	100.0
0°-180°	14395.0	100.0

**Coefficient of Utilization**



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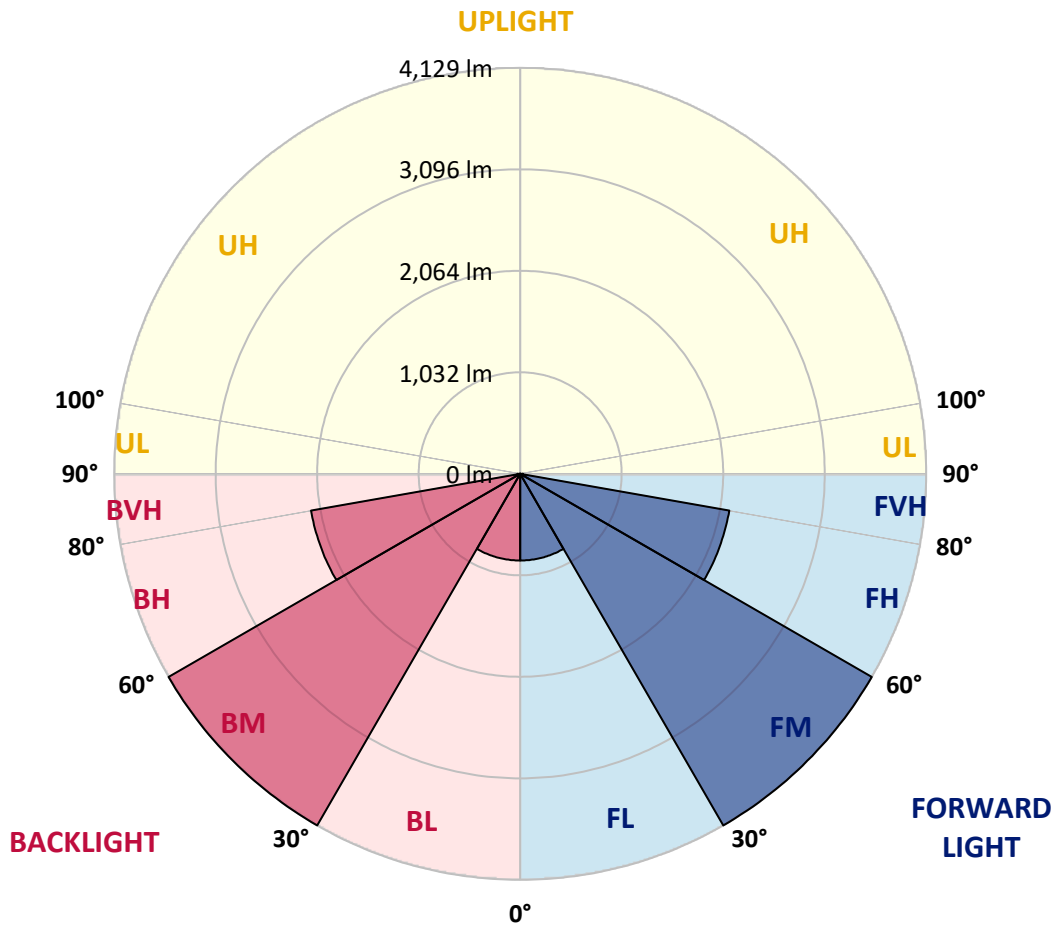
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	881.2	6.1			
FM (30°-60°)	4128.5	28.7			
FH (60°-80°)	2159.5	15.0			G2/5000
FVH (80°-90°)	28.3	0.2			G1/100
BL (0°-30°)	881.2	6.1	B2/1000		
BM (30°-60°)	4128.5	28.7	B3/5000		
BH (60°-80°)	2159.5	15.0	B3/2500		G2/5000
BVH (80°-90°)	28.3	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-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1713.1	1713.1	1713.1	1713.1	1713.1	1713.1	1713.1	1713.1	1713.1	1713.1
2.5°	1724.7	1718.9	1723.3	1719.6	1716.8	1713.9	1715.3	1720.4	1722.5	1723.3
5°	1747.8	1742.8	1744.9	1744.9	1739.9	1738.4	1739.1	1742.8	1747.1	1747.1
7.5°	1785.4	1780.3	1785.4	1782.5	1778.2	1776.7	1776.0	1778.9	1785.4	1785.4
10°	1830.9	1825.1	1828.0	1826.5	1821.5	1819.3	1818.6	1822.9	1828.7	1828.0
12.5°	1880.7	1874.2	1877.8	1873.5	1872.0	1869.9	1869.9	1869.2	1872.8	1869.9
15°	1936.3	1932.0	1933.4	1930.5	1932.7	1931.3	1925.5	1922.6	1924.0	1919.7
17.5°	2002.0	1991.9	1997.0	1995.5	1995.5	1998.4	1989.0	1985.4	1988.3	1984.0
20°	2077.9	2067.8	2069.9	2067.0	2063.4	2066.3	2054.8	2057.7	2059.8	2056.9
22.5°	2160.9	2147.9	2147.2	2148.7	2140.7	2141.4	2133.5	2140.7	2145.0	2137.1
25°	2246.2	2232.4	2241.8	2238.2	2228.1	2230.3	2224.5	2231.7	2235.3	2225.2
27.5°	2336.4	2327.1	2335.7	2337.9	2325.6	2334.3	2325.6	2332.1	2335.7	2320.6
30°	2441.9	2432.5	2440.4	2446.2	2431.8	2445.5	2438.3	2442.6	2443.3	2425.3
32.5°	2556.7	2542.3	2562.5	2565.4	2549.5	2566.1	2556.7	2562.5	2566.1	2541.6
35°	2696.8	2678.8	2701.9	2698.3	2684.6	2698.3	2689.6	2698.3	2706.9	2677.3
37.5°	2847.8	2829.0	2853.6	2847.1	2834.1	2843.5	2838.4	2844.2	2857.9	2826.1
40°	3013.9	2990.8	3024.0	3012.5	3000.2	2998.7	3001.6	3005.2	3023.3	2987.9
42.5°	3191.6	3167.0	3216.8	3198.8	3181.5	3169.9	3179.3	3186.5	3203.8	3164.1
45°	3394.5	3366.4	3431.4	3409.7	3382.2	3358.4	3373.6	3384.4	3409.7	3362.0
47.5°	3618.4	3586.6	3656.0	3649.5	3604.7	3552.7	3587.4	3618.4	3637.2	3579.4
50°	3837.3	3812.7	3903.7	3911.6	3856.8	3783.8	3832.2	3879.1	3884.2	3808.4
52.5°	4042.4	4017.8	4150.0	4199.8	4150.7	4064.0	4115.3	4163.0	4124.7	4026.5
55°	4206.3	4186.1	4354.4	4482.9	4499.5	4428.0	4458.4	4456.9	4331.3	4180.3
57.5°	4246.0	4243.1	4455.5	4727.8	4901.1	4909.8	4849.8	4696.7	4425.9	4222.9
60°	4065.5	4083.5	4375.3	4855.6	5317.8	5510.0	5250.7	4813.7	4318.3	4036.6
62.5°	3525.2	3572.9	3924.6	4699.6	5654.4	6200.4	5572.1	4636.0	3876.3	3508.6
65°	2526.4	2609.4	2998.0	4010.6	5624.1	6807.1	5525.8	3978.1	3026.9	2602.9
67.5°	1146.2	1230.7	1560.8	2745.9	4888.8	6642.4	4877.3	2774.8	1638.8	1235.0
70°	415.3	429.7	535.9	1099.2	3124.4	5292.6	3258.0	1107.2	569.8	457.9
72.5°	251.3	253.5	275.9	393.6	1085.5	3213.2	1131.7	406.6	281.7	249.9
75°	159.6	158.2	196.4	240.5	385.0	1084.1	403.7	240.5	195.7	178.4
77.5°	114.8	118.4	140.8	179.8	242.7	367.6	238.3	171.9	140.8	115.6
80°	85.9	88.1	102.6	140.1	170.4	228.9	151.7	127.1	106.2	72.2
82.5°	62.1	62.1	67.2	101.8	104.0	123.5	82.3	89.6	70.1	51.3
85°	36.8	36.1	41.9	60.7	54.2	45.5	37.6	54.9	44.1	31.8
87.5°	13.0	13.7	13.0	17.3	14.4	12.3	11.6	15.2	12.3	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1713.1
1723.3
1747.1
1783.2
1826.5
1871.3
1920.4
1987.6
2063.4
2145.0
2236.8
2332.1
2436.1
2558.2
2695.4
2845.6
2999.5
3185.1
3386.6
3598.9
3817.8
4029.4
4185.4
4209.9
4003.4
3487.0
2571.9
1217.0
452.1
254.2
179.8
117.7
74.4
51.3
31.1
10.1
0.0

OF REPORT)