

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: P950795

Luminaire Tested: **GALN-SB5A-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950795  
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-SB5A-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

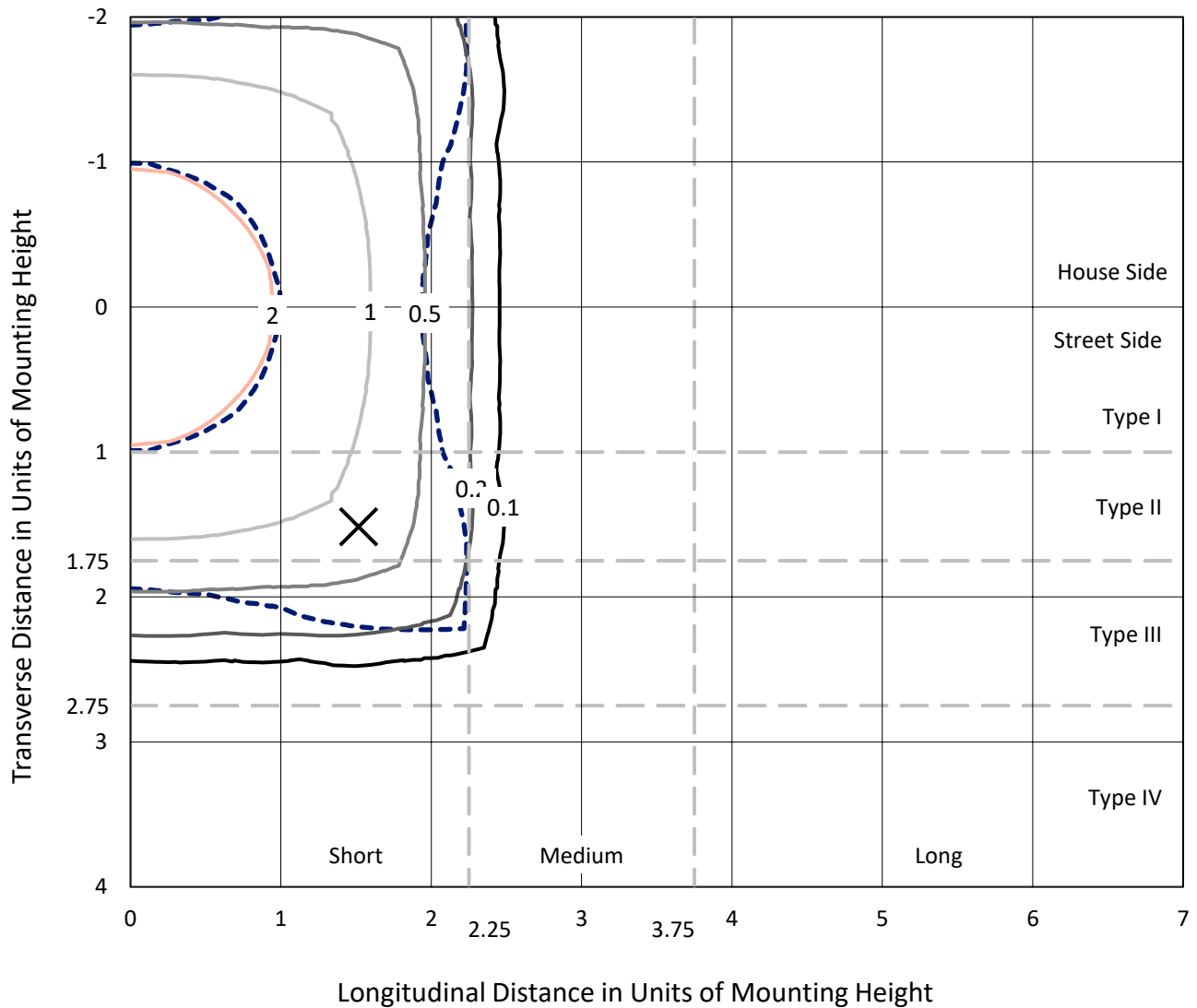
Lumens per Lamp: N/A  
Luminaire Lumens: 14453 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

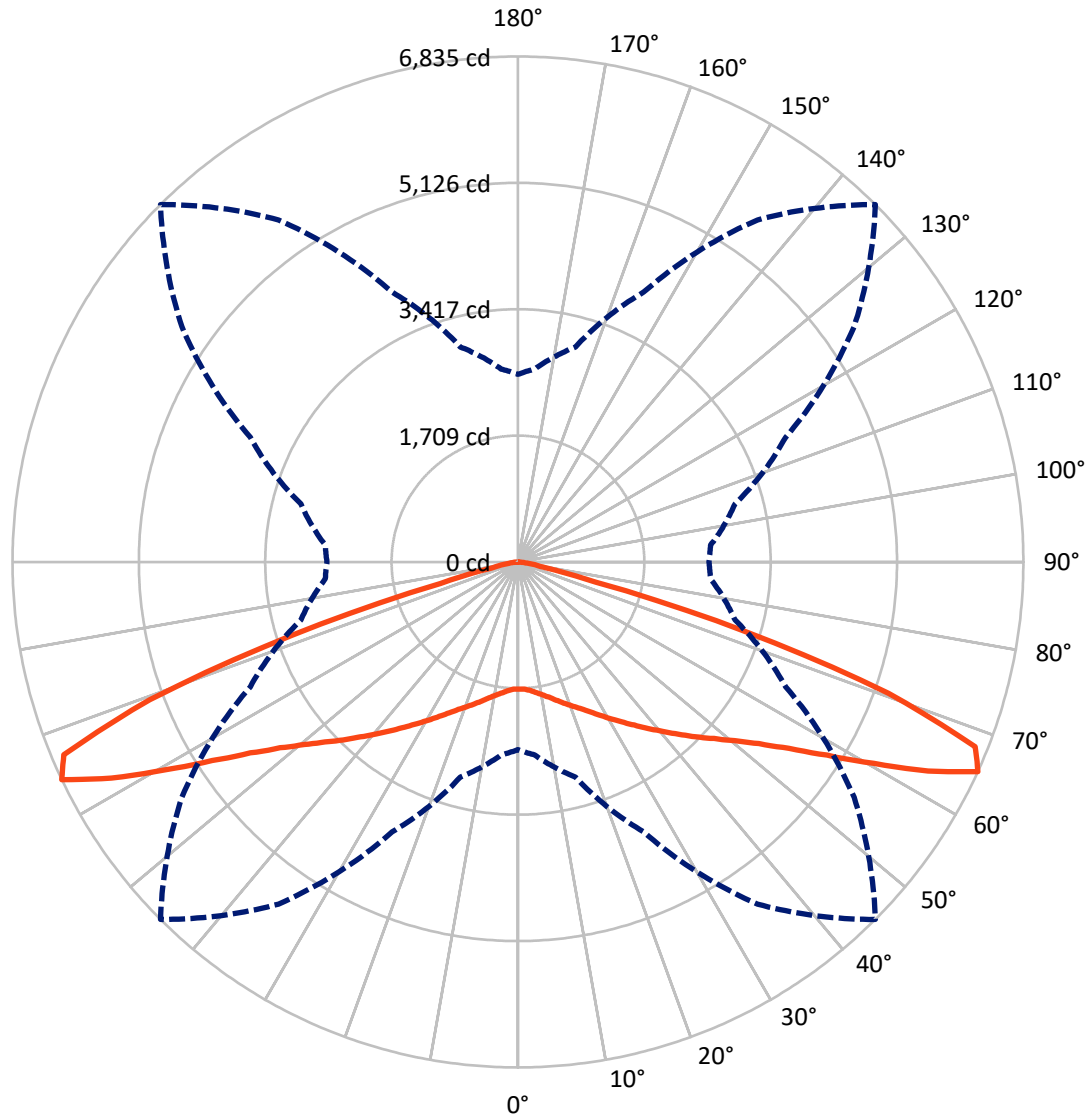
✕ Max cd  
 - - - 1/2 Max cd



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	7226.5	0.0	7226.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7226.5	0.0	7226.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14453.0	0.0	14453.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.8	1.2
10°-20°	553.9	3.8
20°-30°	1045.9	7.2
30°-40°	1712.6	11.8
40°-50°	2655.3	18.4
50°-60°	3922.5	27.1
60°-70°	3733.8	25.8
70°-80°	602.5	4.2
80°-90°	56.8	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°	14453.0	100.0
0°-180°	14453.0	100.0



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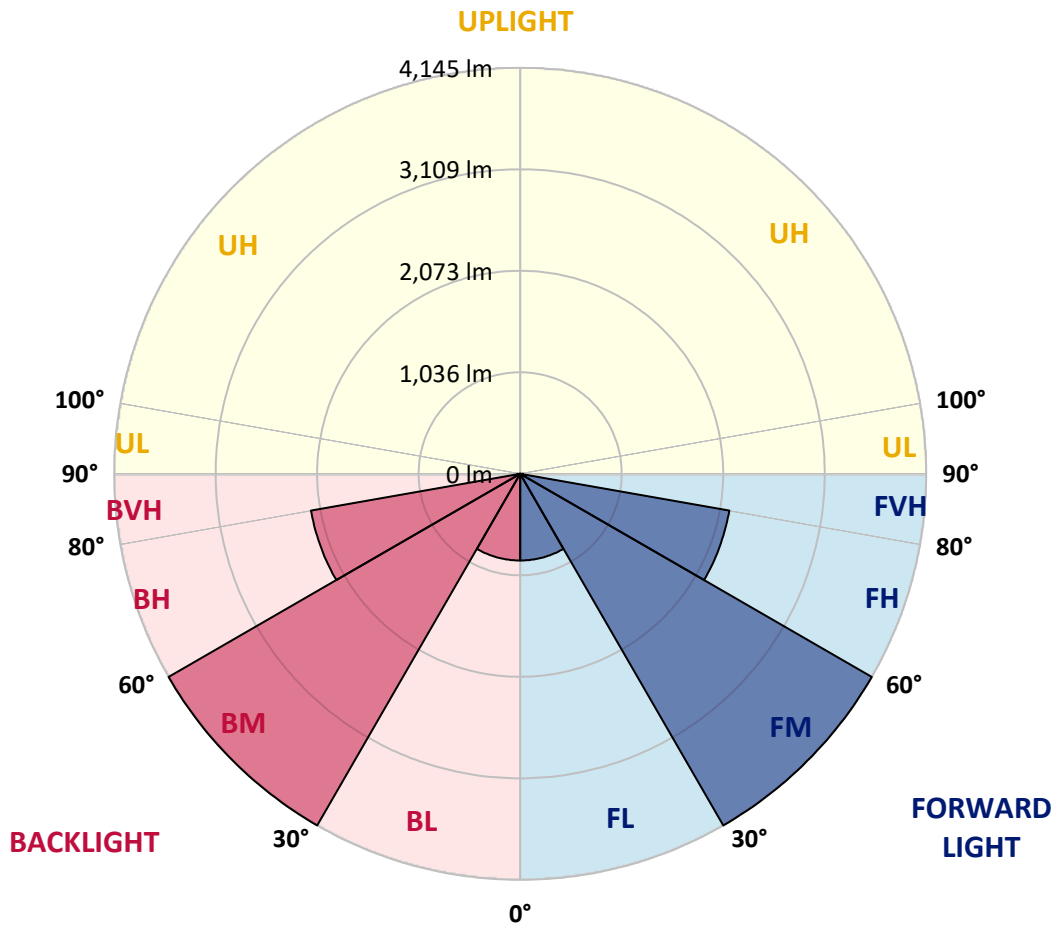
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.8	6.1			
FM (30°-60°)	4145.2	28.7			
FH (60°-80°)	2168.2	15.0			G2/5000
FVH (80°-90°)	28.4	0.2			G1/100
BL (0°-30°)	884.8	6.1	B2/1000		
BM (30°-60°)	4145.2	28.7	B3/5000		
BH (60°-80°)	2168.2	15.0	B3/2500		G2/5000
BVH (80°-90°)	28.4	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°	1720.1	1720.1	1720.1	1720.1	1720.1	1720.1	1720.1	1720.1	1720.1	1720.1
2.5°	1731.7	1725.9	1730.2	1726.6	1723.7	1720.8	1722.2	1727.3	1729.5	1730.2
5°	1754.9	1749.8	1752.0	1752.0	1746.9	1745.4	1746.2	1749.8	1754.1	1754.1
7.5°	1792.6	1787.5	1792.6	1789.7	1785.3	1783.9	1783.1	1786.0	1792.6	1792.6
10°	1838.3	1832.4	1835.4	1833.9	1828.8	1826.6	1825.9	1830.3	1836.1	1835.4
12.5°	1888.3	1881.8	1885.4	1881.0	1879.6	1877.4	1877.4	1876.7	1880.3	1877.4
15°	1944.1	1939.8	1941.2	1938.3	1940.5	1939.0	1933.2	1930.3	1931.8	1927.4
17.5°	2010.1	2000.0	2005.0	2003.6	2003.6	2006.5	1997.1	1993.4	1996.3	1992.0
20°	2086.3	2076.1	2078.3	2075.4	2071.7	2074.6	2063.0	2065.9	2068.1	2065.2
22.5°	2169.6	2156.6	2155.9	2157.3	2149.3	2150.1	2142.1	2149.3	2153.7	2145.7
25°	2255.2	2241.4	2250.9	2247.2	2237.1	2239.3	2233.5	2240.7	2244.3	2234.2
27.5°	2345.9	2336.4	2345.1	2347.3	2335.0	2343.7	2335.0	2341.5	2345.1	2329.9
30°	2451.7	2442.3	2450.3	2456.1	2441.6	2455.4	2448.1	2452.5	2453.2	2435.0
32.5°	2567.0	2552.5	2572.8	2575.7	2559.8	2576.5	2567.0	2572.8	2576.5	2551.8
35°	2707.7	2689.6	2712.8	2709.2	2695.4	2709.2	2700.5	2709.2	2717.9	2688.1
37.5°	2859.3	2840.4	2865.1	2858.5	2845.5	2854.9	2849.8	2855.6	2869.4	2837.5
40°	3026.0	3002.8	3036.2	3024.6	3012.3	3010.8	3013.7	3017.3	3035.5	2999.9
42.5°	3204.4	3179.8	3229.8	3211.7	3194.3	3182.7	3192.1	3199.4	3216.8	3176.9
45°	3408.2	3379.9	3445.2	3423.4	3395.9	3371.9	3387.2	3398.0	3423.4	3375.6
47.5°	3633.0	3601.1	3670.7	3664.2	3619.2	3567.0	3601.8	3633.0	3651.8	3593.8
50°	3852.7	3828.1	3919.4	3927.4	3872.3	3799.1	3847.6	3894.8	3899.8	3823.7
52.5°	4058.7	4034.0	4166.7	4216.7	4167.4	4080.4	4131.9	4179.8	4141.3	4042.7
55°	4223.3	4203.0	4371.9	4501.0	4517.7	4445.9	4476.3	4474.9	4348.7	4197.2
57.5°	4263.1	4260.2	4473.4	4746.8	4920.9	4929.6	4869.4	4715.6	4443.7	4239.9
60°	4081.9	4100.0	4392.9	4875.2	5339.3	5532.2	5271.8	4833.1	4335.7	4052.9
62.5°	3539.4	3587.3	3940.5	4718.5	5677.2	6225.4	5594.5	4654.7	3891.9	3522.8
65°	2536.6	2620.0	3010.1	4026.7	5646.7	6834.5	5548.1	3994.1	3039.1	2613.4
67.5°	1150.8	1235.7	1567.0	2757.0	4908.5	6669.2	4896.9	2786.0	1645.4	1240.0
70°	417.0	431.5	538.1	1103.7	3137.0	5313.9	3271.1	1111.7	572.1	459.7
72.5°	252.4	254.5	277.0	395.2	1089.9	3226.2	1136.3	408.3	282.8	250.9
75°	160.3	158.8	197.2	241.5	386.5	1088.4	405.4	241.5	196.5	179.1
77.5°	115.3	118.9	141.4	180.6	243.6	369.1	239.3	172.6	141.4	116.0
80°	86.3	88.5	103.0	140.7	171.1	229.9	152.3	127.6	106.6	72.5
82.5°	62.4	62.4	67.4	102.2	104.4	124.0	82.7	89.9	70.3	51.5
85°	37.0	36.3	42.1	60.9	54.4	45.7	37.7	55.1	44.2	31.9
87.5°	13.1	13.8	13.1	17.4	14.5	12.3	11.6	15.2	12.3	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1720.1
1730.2
1754.1
1790.4
1833.9
1878.9
1928.2
1995.6
2071.7
2153.7
2245.8
2341.5
2445.9
2568.5
2706.3
2857.1
3011.5
3197.9
3400.2
3613.4
3833.1
4045.6
4202.2
4226.9
4019.5
3501.0
2582.3
1221.9
453.9
255.3
180.6
118.2
74.7
51.5
31.2
10.2
0.0

OF REPORT)