

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: P952222

Luminaire Tested: **GALN-SB6A-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

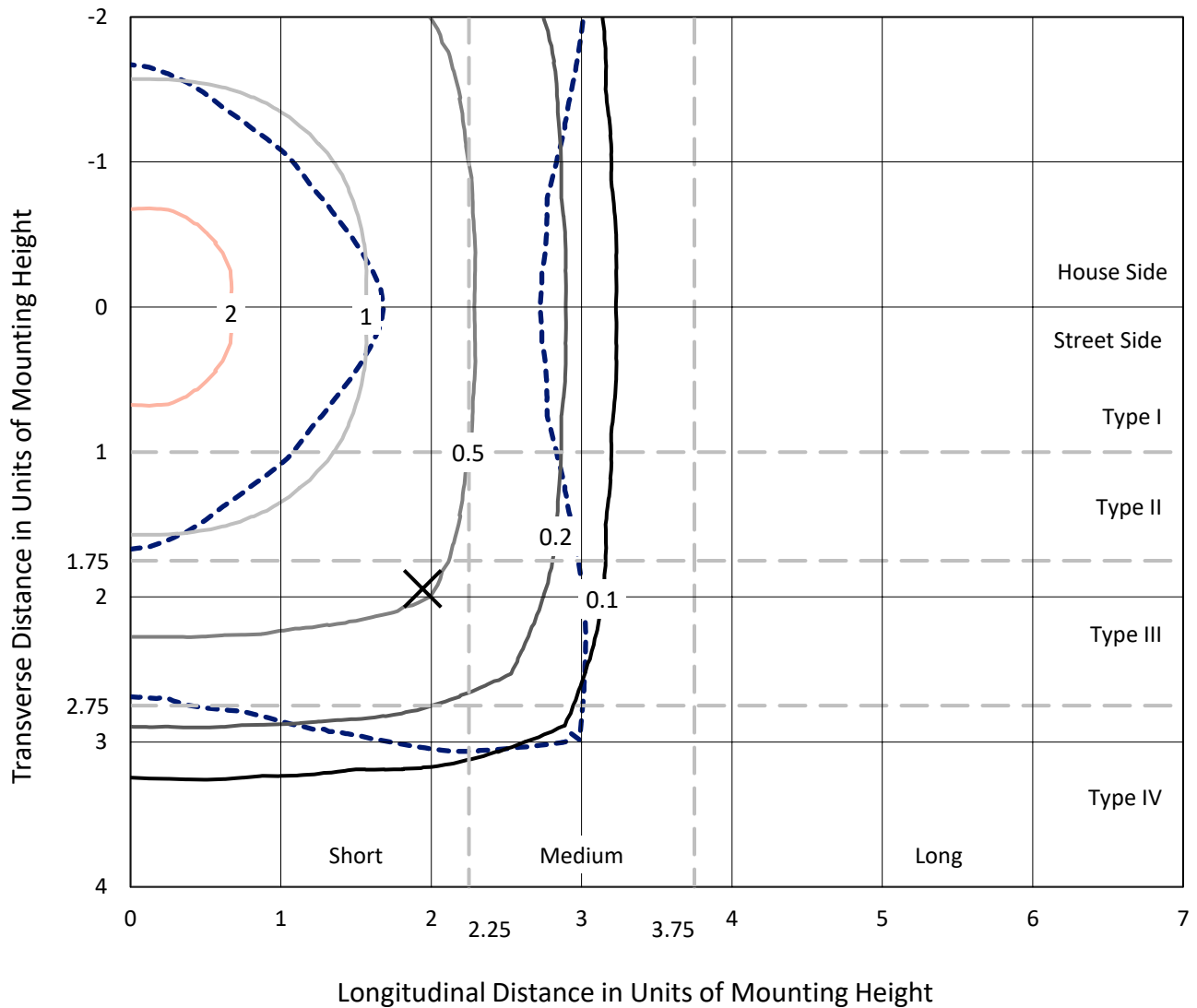
Lumens per Lamp: N/A  
Luminaire Lumens: 17340 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

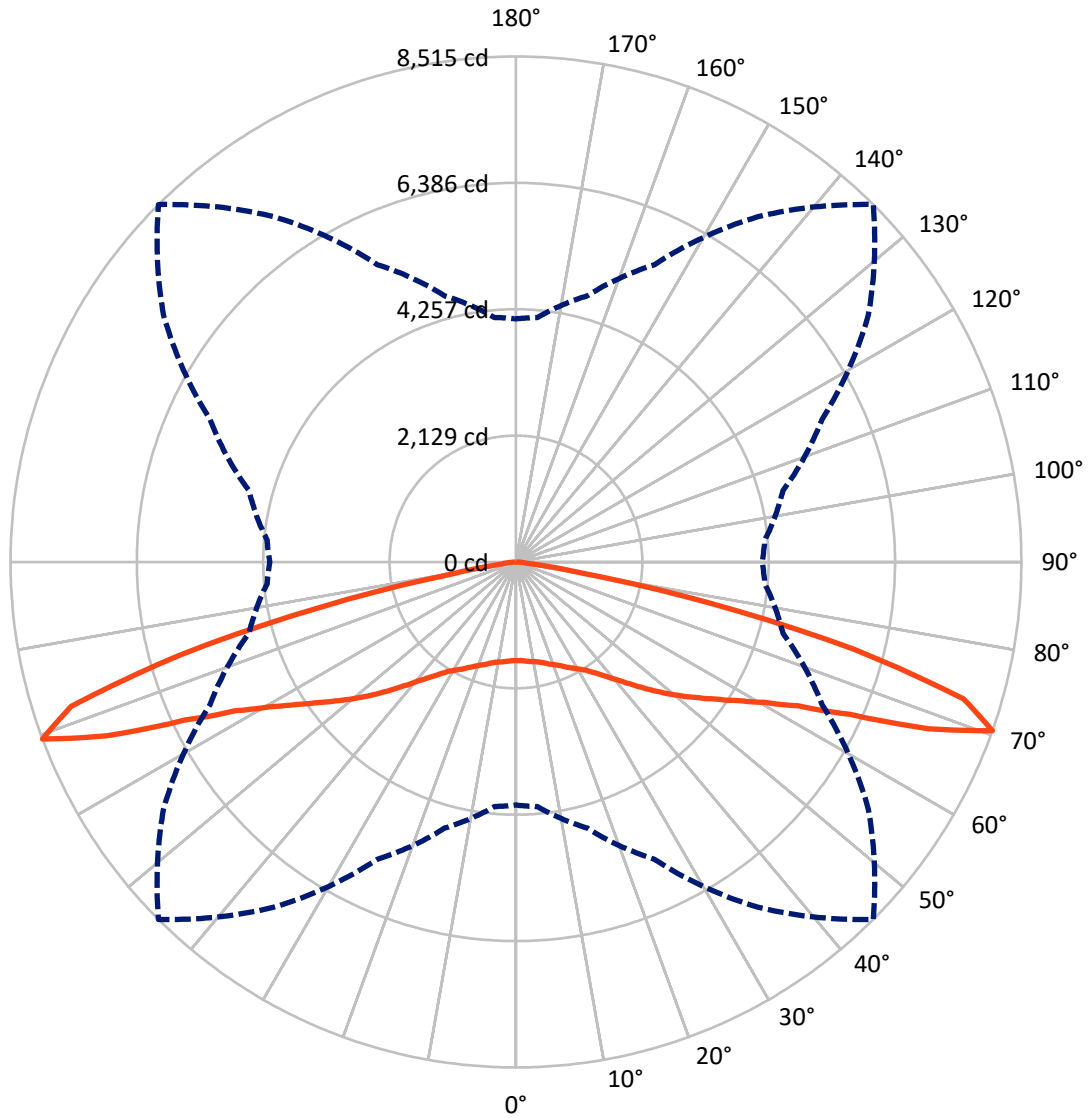
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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
<b>House Side</b>	Lumens	8670.0	0.0	8670.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8670.0	0.0	8670.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17340.0	0.0	17340.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.4	0.9
10°-20°	500.4	2.9
20°-30°	894.2	5.2
30°-40°	1449.5	8.4
40°-50°	2361.1	13.6
50°-60°	3599.8	20.8
60°-70°	5355.4	30.9
70°-80°	2918.9	16.8
80°-90°	99.4	0.6
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°	17340.0	100.0
0°-180°	17340.0	100.0

**Coefficient of Utilization**



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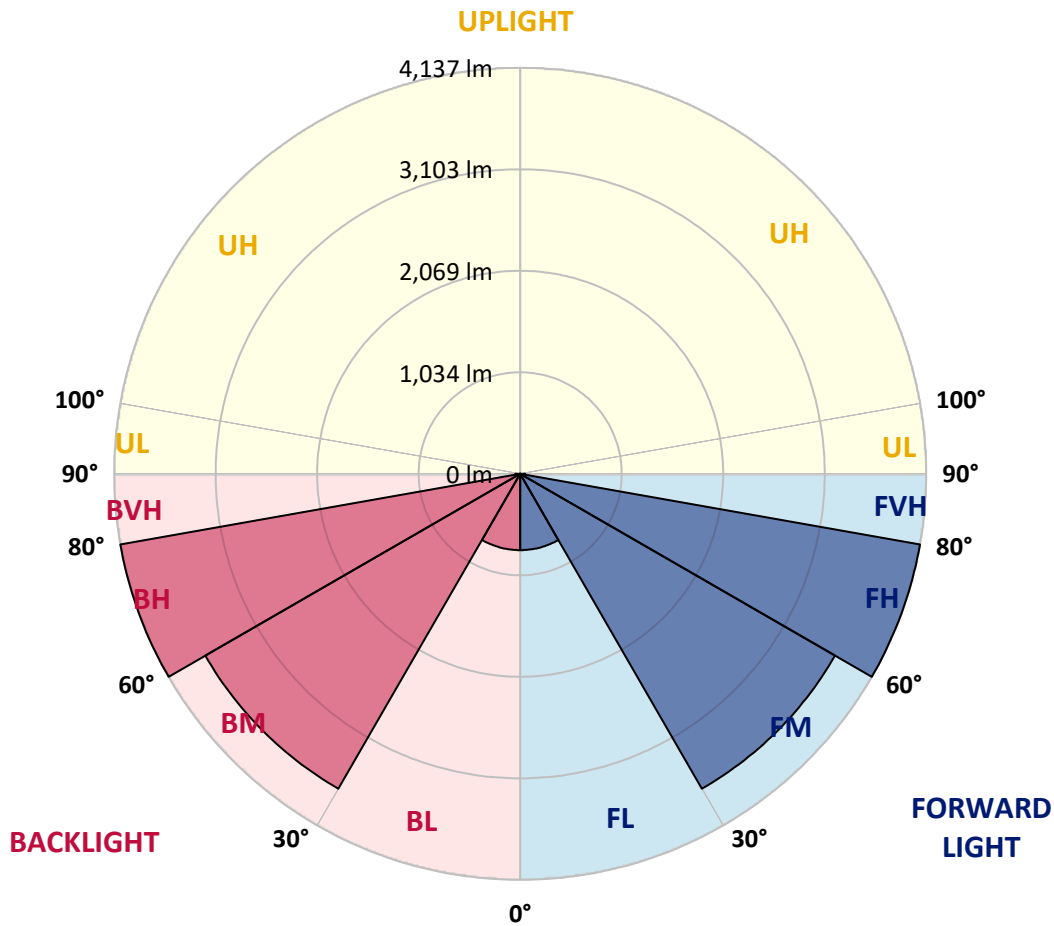
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.0	4.5			
FM (30°-60°)	3705.2	21.4			
FH (60°-80°)	4137.1	23.9			G2/5000
FVH (80°-90°)	49.7	0.3			G1/100
BL (0°-30°)	778.0	4.5	B2/1000		
BM (30°-60°)	3705.2	21.4	B3/5000		
BH (60°-80°)	4137.1	23.9	B4/5000		G2/5000
BVH (80°-90°)	49.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0	1661.0
2.5°	1668.8	1670.6	1667.1	1665.3	1663.6	1661.0	1661.9	1666.2	1669.7	1668.8
5°	1682.8	1684.5	1681.9	1681.0	1677.5	1676.7	1676.7	1681.0	1683.6	1681.9
7.5°	1698.4	1701.0	1696.7	1695.8	1694.1	1692.3	1691.5	1695.8	1698.4	1698.4
10°	1713.2	1715.8	1712.4	1709.7	1708.0	1708.0	1706.3	1709.7	1714.1	1713.2
12.5°	1728.9	1730.6	1727.2	1725.4	1725.4	1728.0	1725.4	1727.2	1730.6	1728.9
15°	1748.0	1748.9	1748.0	1750.7	1755.0	1763.7	1755.9	1754.1	1755.9	1751.5
17.5°	1774.2	1775.9	1779.4	1785.5	1791.6	1807.2	1793.3	1789.0	1789.0	1780.3
20°	1806.4	1809.0	1814.2	1824.7	1832.5	1847.3	1833.4	1827.3	1824.7	1813.3
22.5°	1840.3	1844.7	1852.5	1866.4	1880.4	1894.3	1880.4	1869.9	1862.1	1847.3
25°	1879.5	1884.7	1896.9	1919.5	1938.7	1958.7	1942.2	1921.3	1905.6	1884.7
27.5°	1935.2	1941.3	1956.1	1984.0	2008.3	2025.7	2010.1	1983.1	1961.3	1936.1
30°	2013.6	2019.7	2037.1	2066.7	2083.2	2094.5	2084.1	2063.2	2037.1	2008.3
32.5°	2114.5	2122.4	2141.5	2169.4	2172.9	2174.6	2171.1	2160.7	2141.5	2106.7
35°	2242.5	2251.2	2273.0	2295.6	2292.1	2295.6	2290.4	2286.9	2273.0	2232.9
37.5°	2399.2	2409.7	2432.3	2449.7	2441.0	2436.6	2437.5	2438.4	2430.6	2386.2
40°	2581.2	2595.1	2611.6	2629.9	2615.1	2602.0	2610.8	2617.7	2610.8	2565.5
42.5°	2768.3	2788.3	2805.8	2831.9	2819.7	2803.1	2815.3	2823.2	2808.4	2759.6
45°	2976.4	2995.5	3018.2	3057.3	3048.6	3031.2	3048.6	3050.4	3025.1	2967.7
47.5°	3191.4	3211.4	3245.4	3297.6	3294.1	3275.0	3297.6	3285.4	3253.2	3184.4
50°	3395.1	3423.0	3475.2	3548.3	3555.3	3531.8	3562.3	3538.7	3484.8	3398.6
52.5°	3586.6	3616.2	3698.9	3798.2	3823.4	3792.9	3833.9	3792.9	3712.0	3601.4
55°	3787.7	3820.8	3919.2	4048.9	4099.4	4076.7	4115.0	4053.2	3938.3	3804.3
57.5°	4024.5	4044.5	4162.1	4316.1	4401.5	4406.7	4424.1	4319.6	4180.3	4028.0
60°	4281.3	4309.2	4437.1	4621.7	4756.6	4800.2	4781.9	4626.9	4465.0	4290.0
62.5°	4610.4	4640.9	4794.1	5015.2	5228.5	5336.4	5265.0	5040.4	4840.2	4630.4
65°	4882.9	4916.8	5193.6	5588.0	5976.3	6193.0	6013.7	5600.2	5239.8	4943.8
67.5°	4685.3	4727.0	5161.4	5885.7	6851.2	7498.0	6884.2	5974.5	5268.5	4867.2
70°	4095.0	4134.2	4640.9	5526.2	7097.5	8514.8	7245.5	5689.0	4657.4	4208.2
72.5°	2718.7	2844.9	3357.7	4419.7	6337.5	7879.3	6400.2	4330.1	3114.8	2712.6
75°	901.9	1002.9	1352.8	2291.3	4244.8	5892.7	4041.1	2027.5	1071.6	771.3
77.5°	227.2	262.0	361.3	655.5	1693.2	3355.1	1524.3	535.4	291.6	203.7
80°	110.6	121.9	174.1	218.5	424.0	1066.4	397.8	205.4	137.5	106.2
82.5°	60.9	61.8	98.4	123.6	157.6	276.0	163.7	120.1	79.2	64.4
85°	37.4	36.6	52.2	66.2	66.2	98.4	78.3	66.2	45.3	40.0
87.5°	14.8	14.8	19.2	20.9	18.3	25.2	20.0	21.8	17.4	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1661.0
1669.7
1682.8
1698.4
1713.2
1728.0
1751.5
1780.3
1813.3
1846.4
1883.9
1935.2
2008.3
2107.6
2232.9
2386.2
2565.5
2763.1
2973.8
3180.1
3396.9
3591.0
3786.0
4007.1
4262.2
4593.8
4895.1
4807.1
4148.1
2624.7
729.5
181.9
97.5
64.4
41.8
17.4
0.0

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