

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: P527598

Luminaire Tested: **GALN-SA2C-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-827-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9173 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

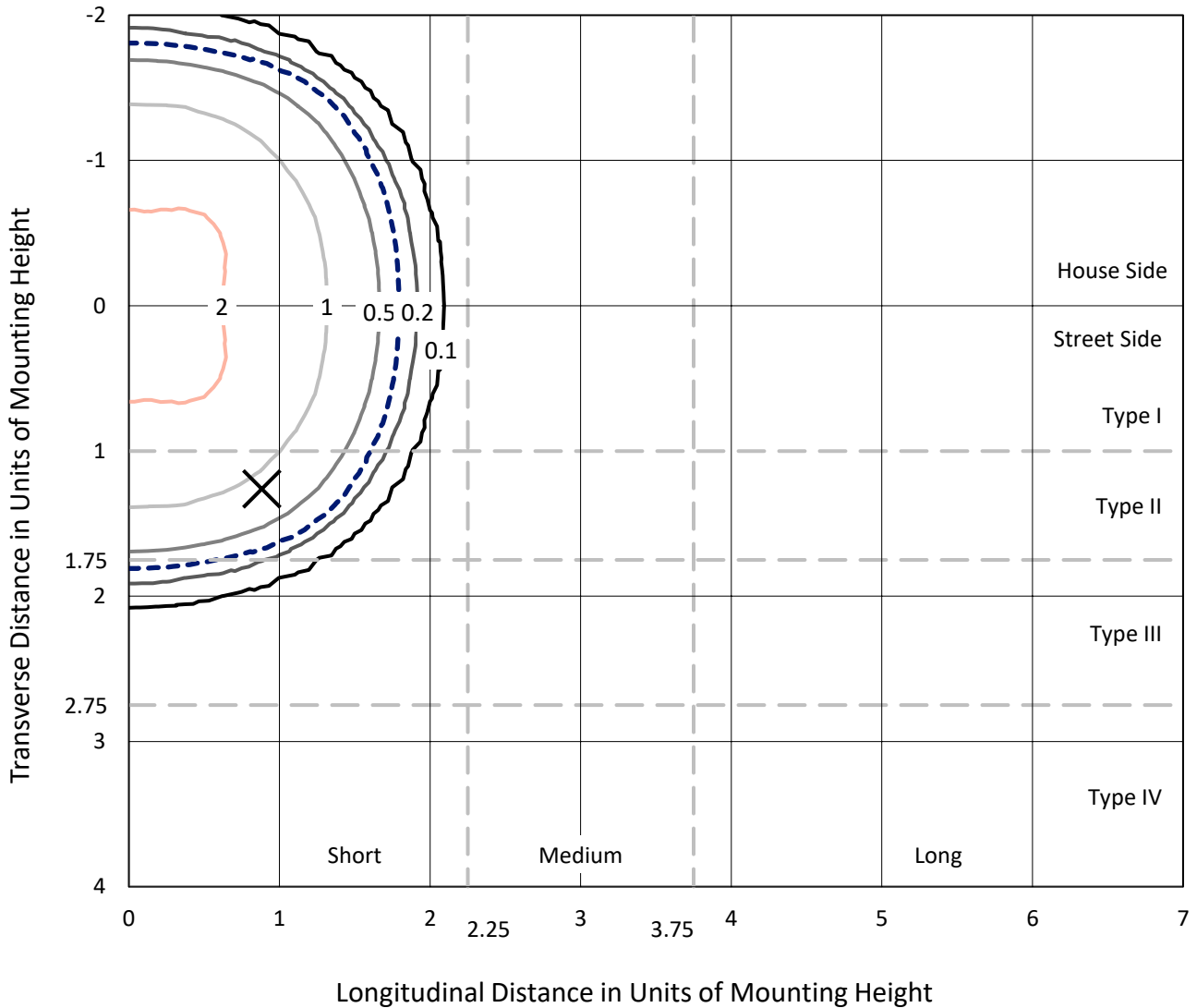
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

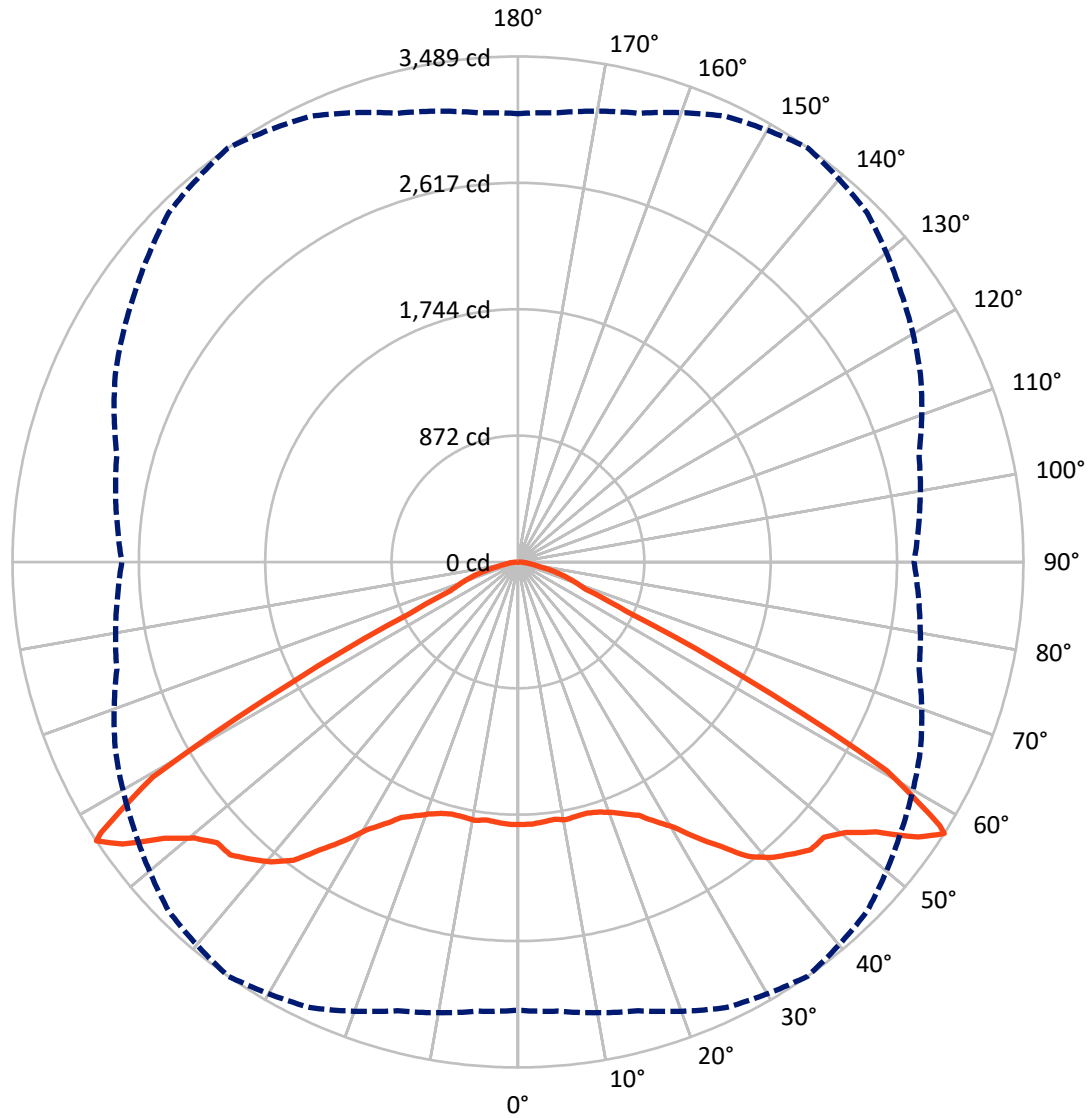
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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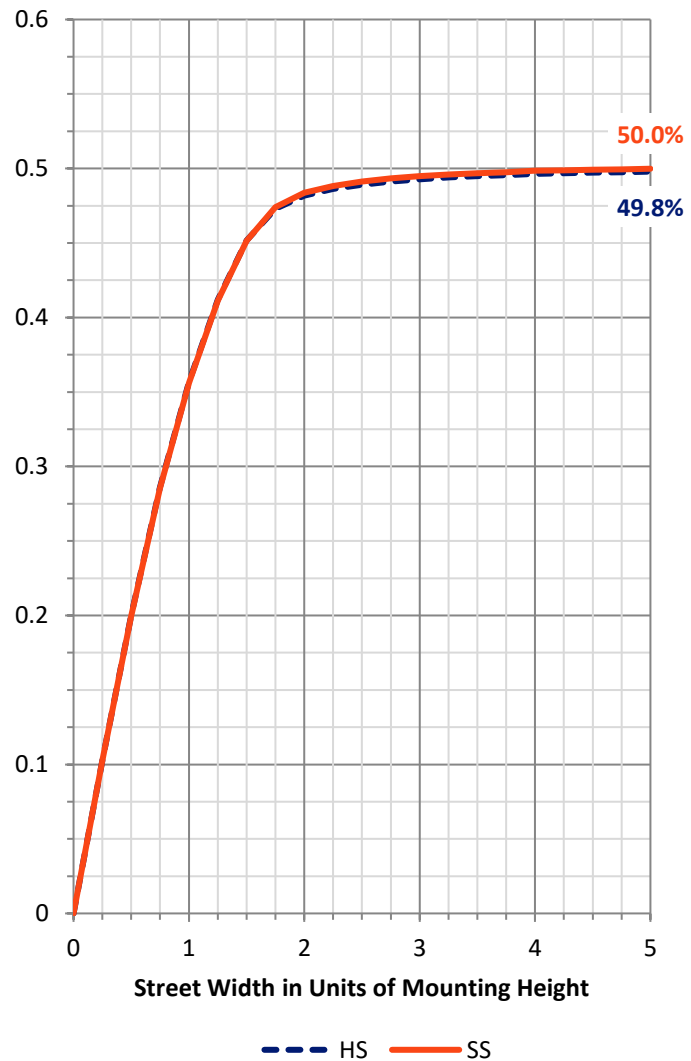
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4586.5	0.0	4586.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4586.5	0.0	4586.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9173.0	0.0	9173.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.7	1.9
10°-20°	508.7	5.5
20°-30°	888.4	9.7
30°-40°	1455.6	15.9
40°-50°	2134.3	23.3
50°-60°	2688.3	29.3
60°-70°	1011.1	11.0
70°-80°	268.8	2.9
80°-90°	46.1	0.5
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°	9173.0	100.0
0°-180°	9173.0	100.0

**Coefficient of Utilization**



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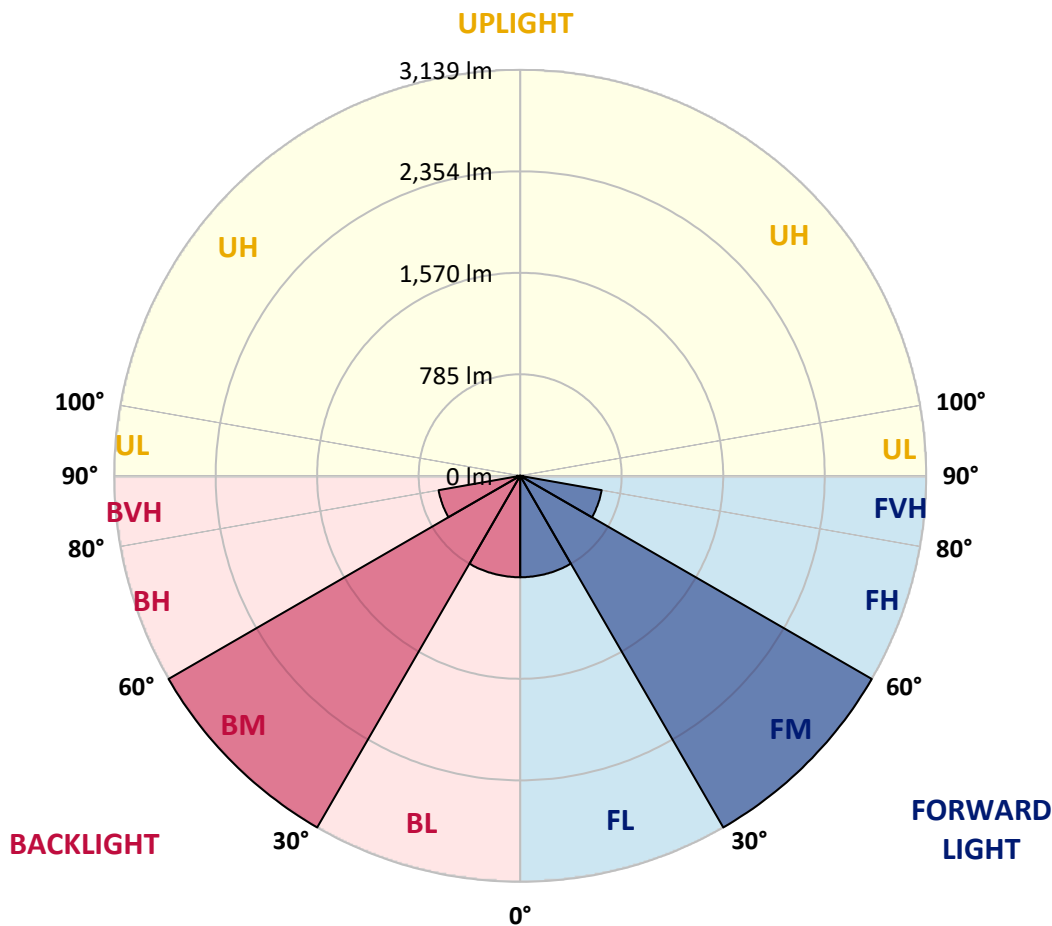
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.4	8.6			
FM (30°-60°)	3139.1	34.2			
FH (60°-80°)	639.9	7.0			G0/660
FVH (80°-90°)	23.0	0.3			G1/100
BL (0°-30°)	784.4	8.6	B2/1000		
BM (30°-60°)	3139.1	34.2	B3/5000		
BH (60°-80°)	639.9	7.0	B2/1000		G0/660
BVH (80°-90°)	23.0	0.3			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°	90°
0°	1811.6	1811.6	1811.6	1811.6	1811.6	1811.6	1811.6	1811.6	1811.6	1811.6	1811.6
2.5°	1802.6	1820.6	1812.7	1808.2	1811.6	1805.9	1796.9	1807.1	1804.8	1795.8	1792.4
5°	1798.0	1811.6	1802.6	1811.6	1802.6	1818.4	1813.9	1796.9	1817.3	1798.0	1804.8
7.5°	1794.6	1799.2	1801.4	1796.9	1793.5	1812.7	1802.6	1794.6	1783.3	1780.0	1785.6
10°	1786.7	1798.0	1781.1	1803.7	1808.2	1794.6	1794.6	1780.0	1770.9	1765.3	1784.5
12.5°	1807.1	1787.9	1785.6	1796.9	1800.3	1805.9	1790.1	1782.2	1765.3	1767.5	1764.1
15°	1783.3	1791.3	1792.4	1794.6	1798.0	1811.6	1796.9	1780.0	1773.2	1749.4	1751.7
17.5°	1792.4	1784.5	1792.4	1818.4	1813.9	1824.0	1808.2	1782.2	1766.4	1752.8	1770.9
20°	1808.2	1804.8	1808.2	1839.9	1845.5	1854.5	1841.0	1817.3	1786.7	1770.9	1780.0
22.5°	1825.2	1822.9	1825.2	1855.7	1888.4	1899.8	1886.2	1830.8	1815.0	1785.6	1775.4
25°	1855.7	1857.9	1881.7	1915.6	1937.0	1958.5	1933.7	1894.1	1843.2	1825.2	1803.7
27.5°	1923.5	1929.1	1942.7	1992.4	2029.7	2048.9	2013.9	1959.6	1928.0	1890.7	1885.1
30°	2007.1	2007.1	2030.8	2073.8	2124.6	2154.0	2111.1	2046.7	2008.2	1987.9	1975.5
32.5°	2117.9	2105.4	2114.5	2190.2	2269.3	2294.2	2236.5	2157.4	2096.4	2069.3	2060.2
35°	2212.8	2220.7	2241.0	2322.4	2410.6	2468.2	2377.8	2275.0	2212.8	2187.9	2183.4
37.5°	2336.0	2349.5	2359.7	2471.6	2577.8	2599.3	2512.3	2429.8	2354.1	2333.7	2322.4
40°	2510.0	2501.0	2504.4	2586.9	2682.9	2696.5	2610.6	2551.8	2489.7	2477.2	2477.2
42.5°	2653.5	2643.4	2654.7	2685.2	2758.6	2748.5	2701.0	2658.1	2632.1	2618.5	2632.1
45°	2740.6	2738.3	2758.6	2781.3	2833.2	2799.3	2762.0	2768.8	2744.0	2721.4	2720.2
47.5°	2835.5	2820.8	2845.7	2879.6	2840.0	2824.2	2821.9	2836.6	2828.7	2789.2	2776.7
50°	2881.8	2876.2	2915.7	2955.3	2933.8	2897.7	2905.6	2929.3	2827.6	2774.5	2744.0
52.5°	3006.1	3007.3	3083.0	3104.5	3095.4	3042.3	3059.3	2994.8	2875.1	2800.5	2803.9
55°	3201.7	3193.8	3278.5	3341.8	3352.0	3284.2	3202.8	3112.4	2962.1	2886.4	2863.8
57°	3094.3	3112.4	3206.2	3393.8	3488.7	3408.5	3231.0	3066.0	2866.0	2774.5	2733.8
57.5°	2950.8	2980.2	3142.9	3331.6	3431.1	3424.3	3196.0	2980.2	2801.6	2659.2	2662.6
60°	2161.9	2167.6	2314.5	2614.0	2924.8	2931.6	2653.5	2367.6	2168.7	2013.9	2035.4
62.5°	1140.3	1166.3	1225.1	1465.8	1734.8	1800.3	1631.9	1485.0	1313.2	1195.7	1207.0
65°	603.5	600.1	628.4	696.2	828.4	862.3	839.7	723.3	663.4	644.2	645.3
67.5°	490.5	496.1	492.7	496.1	505.2	519.9	516.5	521.0	524.4	530.0	528.9
70°	415.9	415.9	418.1	419.3	419.3	426.1	434.0	448.7	449.8	455.4	457.7
72.5°	327.7	325.5	328.9	336.8	337.9	343.6	354.9	363.9	367.3	367.3	360.5
75°	222.6	224.9	229.4	236.2	243.0	253.1	262.2	267.8	270.1	266.7	263.3
77.5°	125.4	127.7	131.1	141.3	149.2	158.2	168.4	174.0	179.7	180.8	174.0
80°	74.6	74.6	80.2	88.2	97.2	106.2	115.3	122.1	124.3	124.3	120.9
82.5°	45.2	46.3	50.9	58.8	66.7	72.3	80.2	85.9	90.4	89.3	87.0
85°	23.7	23.7	28.3	35.0	40.7	46.3	46.3	42.9	40.7	35.0	32.8
87.5°	7.9	6.8	9.0	9.0	7.9	9.0	9.0	10.2	10.2	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)