

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: P527628

Luminaire Tested: **GALN-SA2C-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-830-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9531 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

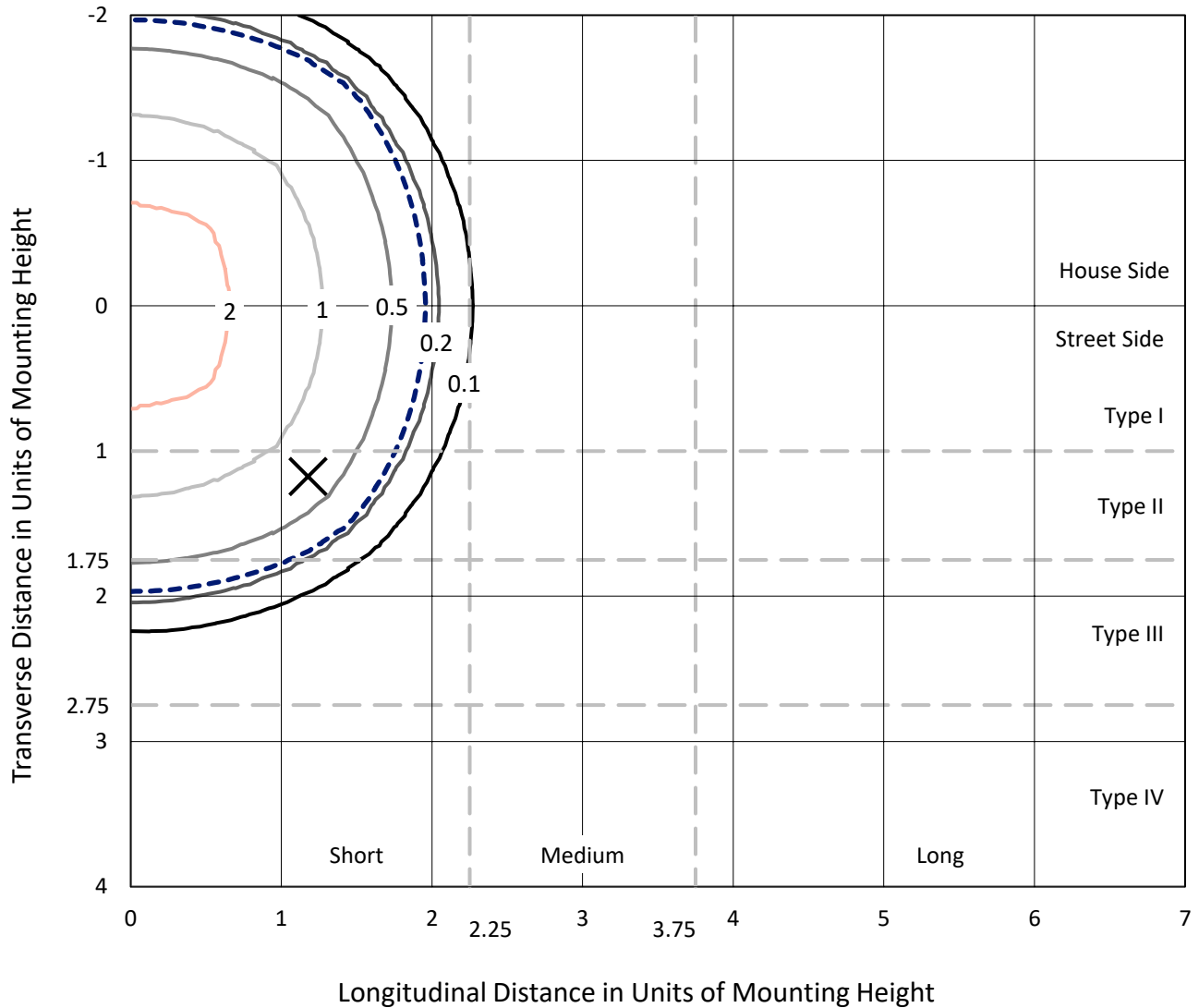
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

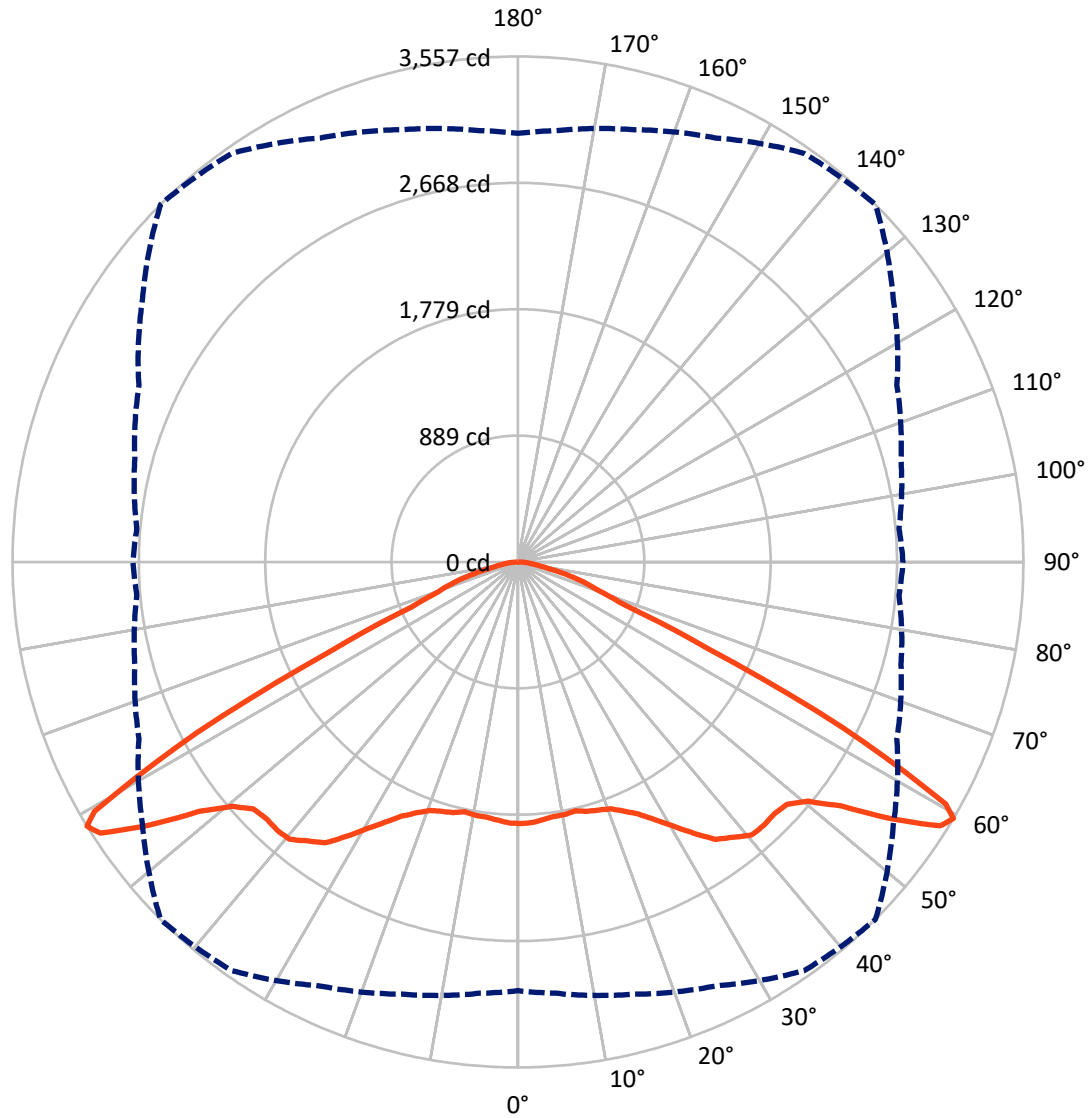
✕ Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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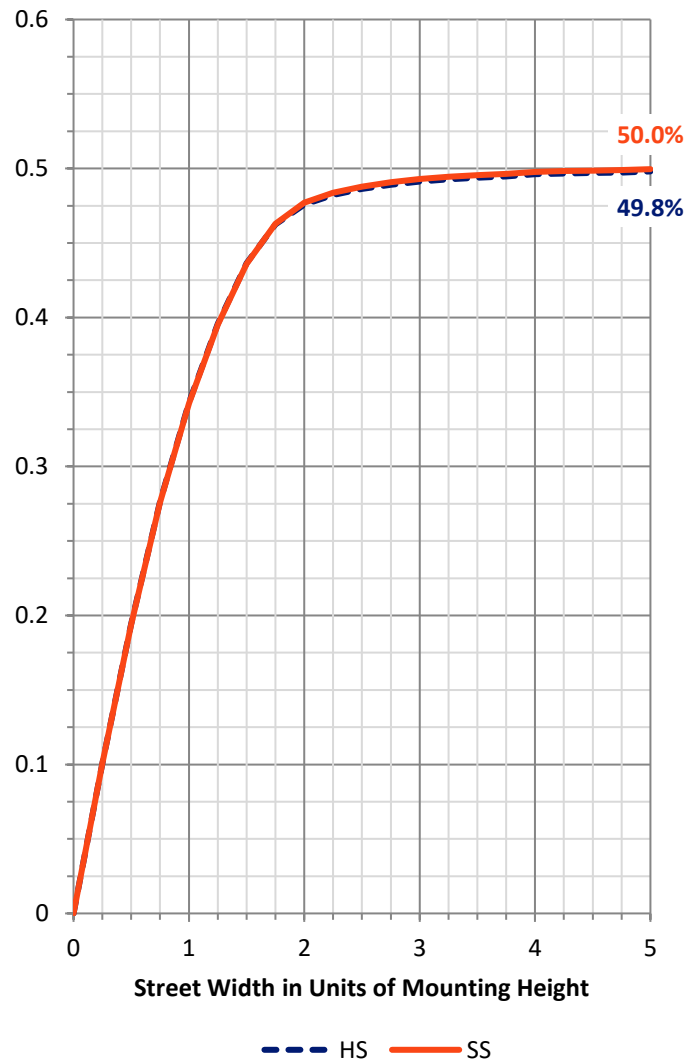
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4765.5	0.0	4765.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4765.5	0.0	4765.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9531.0	0.0	9531.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.5	1.8
10°-20°	516.1	5.4
20°-30°	901.1	9.5
30°-40°	1439.2	15.1
40°-50°	1960.5	20.6
50°-60°	2651.2	27.8
60°-70°	1453.9	15.3
70°-80°	371.9	3.9
80°-90°	63.4	0.7
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°	9531.0	100.0
0°-180°	9531.0	100.0



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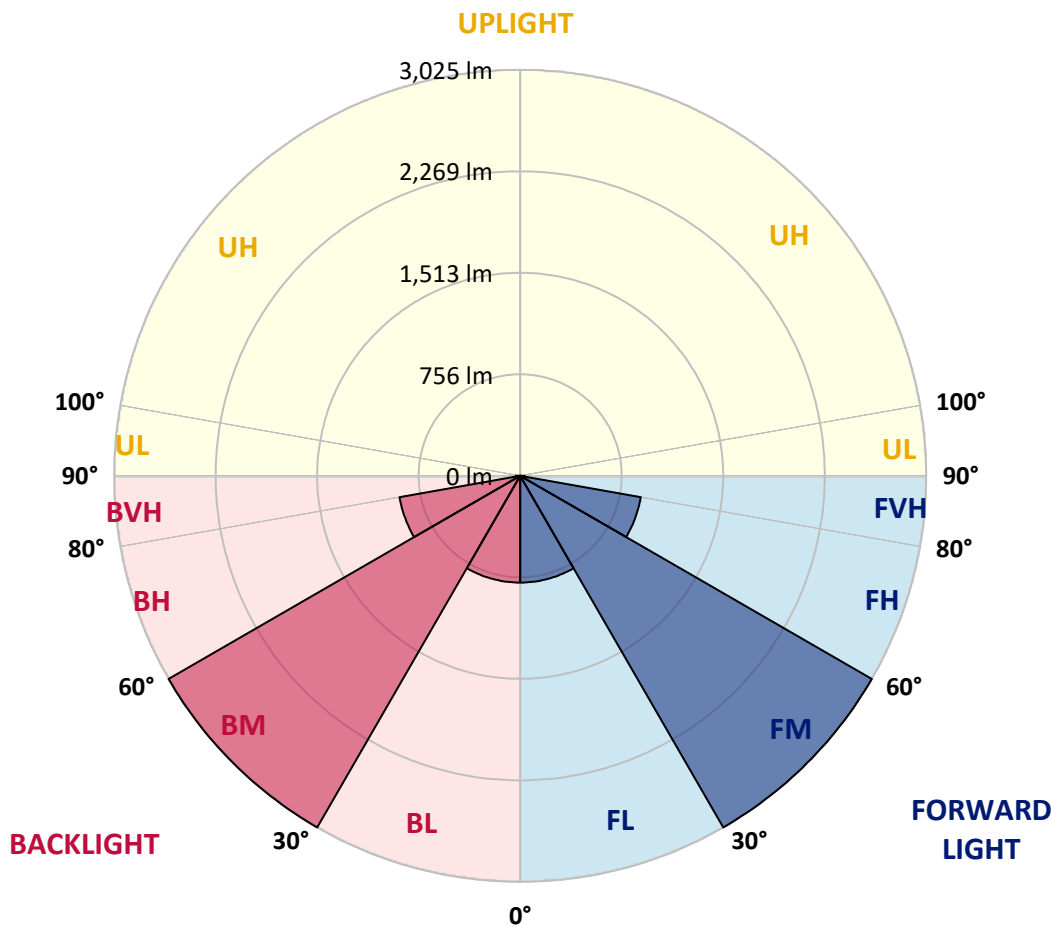
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	795.4	8.3			
FM (30°-60°)	3025.5	31.7			
FH (60°-80°)	912.9	9.6			G1/1800
FVH (80°-90°)	31.7	0.3			G1/100
BL (0°-30°)	795.4	8.3	B2/1000		
BM (30°-60°)	3025.5	31.7	B3/5000		
BH (60°-80°)	912.9	9.6	B2/1000		G1/1800
BVH (80°-90°)	31.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1840.9	1840.9	1840.9	1840.9	1840.9	1840.9	1840.9	1840.9	1840.9	1840.9	1840.9
2.5°	1829.9	1843.4	1833.6	1842.2	1840.9	1837.3	1831.2	1827.5	1822.6	1829.9	1817.7
5°	1822.6	1833.6	1844.6	1829.9	1829.9	1822.6	1818.9	1811.6	1811.6	1810.4	1809.2
7.5°	1834.8	1823.8	1818.9	1821.4	1823.8	1808.0	1818.9	1804.3	1792.1	1800.6	1810.4
10°	1823.8	1828.7	1810.4	1818.9	1805.5	1808.0	1800.6	1810.4	1797.0	1797.0	1797.0
12.5°	1834.8	1821.4	1827.5	1821.4	1817.7	1797.0	1806.7	1795.7	1794.5	1806.7	1795.7
15°	1856.8	1834.8	1829.9	1817.7	1821.4	1821.4	1811.6	1812.8	1799.4	1806.7	1809.2
17.5°	1849.5	1837.3	1833.6	1818.9	1831.2	1834.8	1816.5	1804.3	1812.8	1811.6	1810.4
20°	1855.6	1860.5	1856.8	1859.3	1864.1	1854.4	1837.3	1820.2	1809.2	1825.1	1823.8
22.5°	1894.7	1889.8	1887.4	1884.9	1893.5	1903.2	1880.0	1853.1	1853.1	1864.1	1869.0
25°	1926.4	1925.2	1924.0	1935.0	1964.3	1964.3	1935.0	1900.8	1892.2	1899.6	1893.5
27.5°	1972.9	1986.3	1981.4	2001.0	2043.7	2053.5	2014.4	1974.1	1950.9	1942.3	1953.3
30°	2079.1	2063.3	2066.9	2087.7	2125.6	2157.3	2097.5	2054.7	2023.0	2021.7	2026.6
32.5°	2150.0	2162.2	2173.2	2192.8	2252.6	2277.0	2205.0	2135.3	2115.8	2104.8	2108.5
35°	2291.7	2280.7	2278.3	2297.8	2357.7	2398.0	2307.6	2246.5	2220.8	2245.3	2245.3
37.5°	2426.1	2395.5	2372.3	2398.0	2452.9	2457.8	2380.9	2347.9	2334.5	2362.6	2361.3
40°	2489.6	2487.2	2433.4	2448.1	2521.4	2528.7	2456.6	2417.5	2415.1	2451.7	2488.4
42.5°	2555.6	2532.4	2478.6	2488.4	2533.6	2536.0	2467.6	2456.6	2483.5	2518.9	2521.4
45°	2566.6	2547.0	2512.8	2488.4	2521.4	2528.7	2488.4	2495.7	2498.1	2540.9	2540.9
47.5°	2588.5	2586.1	2566.6	2548.2	2554.3	2548.2	2522.6	2533.6	2570.2	2591.0	2581.2
50°	2649.6	2624.0	2643.5	2627.6	2628.9	2646.0	2622.7	2633.7	2626.4	2608.1	2595.9
52.5°	2784.0	2771.8	2788.9	2799.9	2812.1	2851.2	2824.3	2765.7	2710.7	2661.8	2660.6
55°	2980.7	2989.2	3022.2	3078.4	3126.0	3188.3	3058.9	2918.4	2830.4	2753.5	2758.3
57.5°	3166.4	3160.2	3205.4	3333.7	3473.0	3504.7	3250.6	3050.3	2907.4	2858.5	2837.7
59°	3017.3	3046.6	3149.3	3292.2	3510.8	3557.3	3225.0	2942.8	2791.3	2692.4	2709.5
60°	2782.8	2793.8	2885.4	3084.5	3380.1	3459.5	3052.7	2776.7	2575.1	2517.7	2543.3
62.5°	1966.8	1958.2	2024.2	2186.6	2451.7	2559.2	2269.7	2075.5	1948.4	1884.9	1899.6
65°	1045.7	1084.8	1111.6	1213.0	1353.5	1467.1	1347.4	1263.1	1192.3	1139.7	1138.5
67.5°	706.1	701.2	707.3	730.5	778.2	809.9	807.5	764.7	758.6	748.8	759.8
70°	594.9	592.5	581.5	581.5	591.2	598.6	607.1	612.0	621.8	634.0	632.8
72.5°	482.5	476.4	469.1	465.4	477.6	481.3	492.3	497.2	505.7	504.5	515.5
75°	318.8	318.8	327.4	337.2	340.8	348.2	349.4	364.0	364.0	366.5	356.7
77.5°	178.4	173.5	179.6	189.3	197.9	211.3	224.8	235.8	241.9	239.4	239.4
80°	103.8	103.8	109.9	120.9	131.9	144.1	153.9	162.5	168.6	166.1	161.2
82.5°	64.7	64.7	70.9	81.8	90.4	97.7	111.2	122.2	129.5	127.0	120.9
85°	33.0	33.0	40.3	47.6	58.6	63.5	62.3	57.4	56.2	50.1	50.1
87.5°	8.6	8.6	12.2	13.4	11.0	12.2	12.2	12.2	12.2	12.2	13.4
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)