

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: P650732

Luminaire Tested: **GALN-SA2C-840-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-840-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10418.3 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

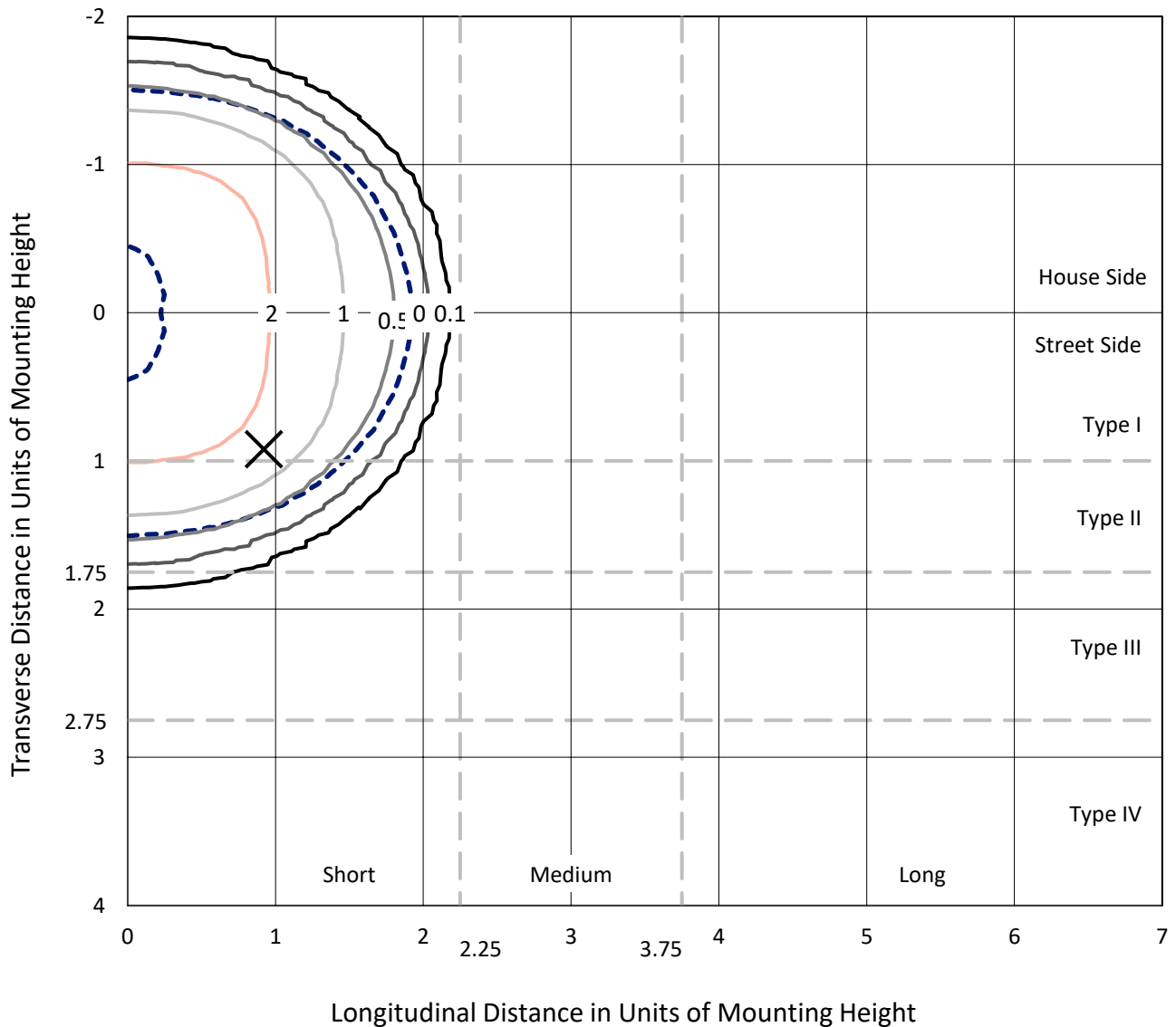
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

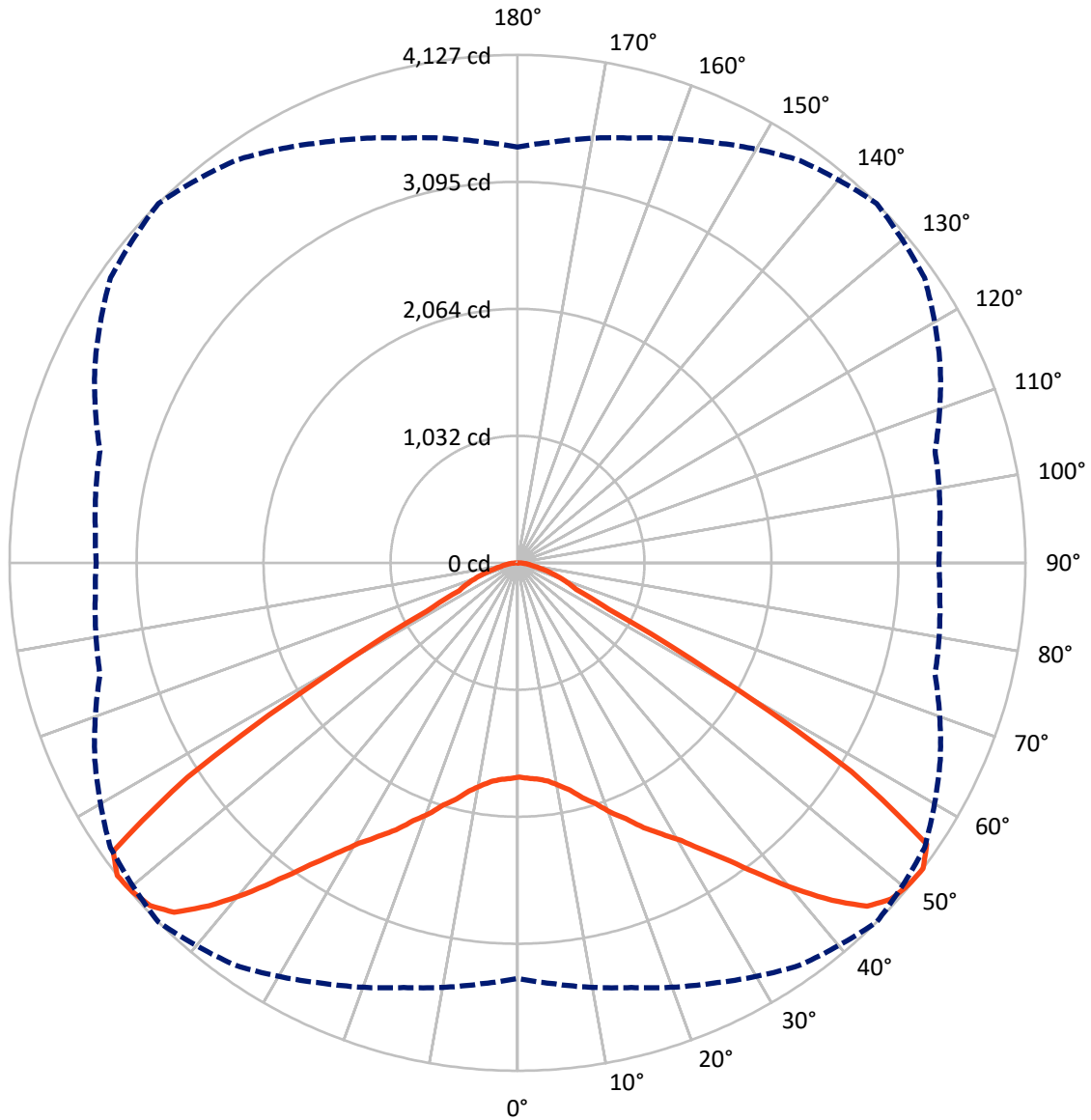
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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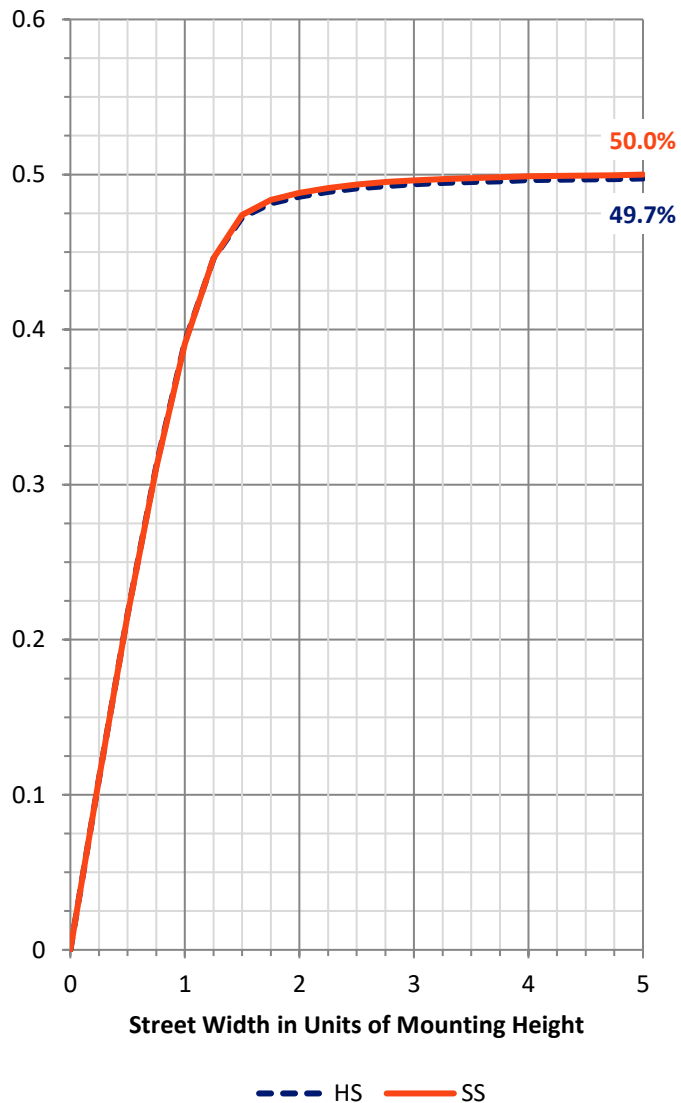
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5209.1	0.0	5209.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5209.1	0.0	5209.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10418.3	0.0	10418.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.1	1.6
10°-20°	562.2	5.4
20°-30°	1070.4	10.3
30°-40°	1838.0	17.6
40°-50°	2825.0	27.1
50°-60°	2868.8	27.5
60°-70°	799.5	7.7
70°-80°	235.8	2.3
80°-90°	47.5	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°	10418.3	100.0
0°-180°	10418.3	100.0

**Coefficient of Utilization**



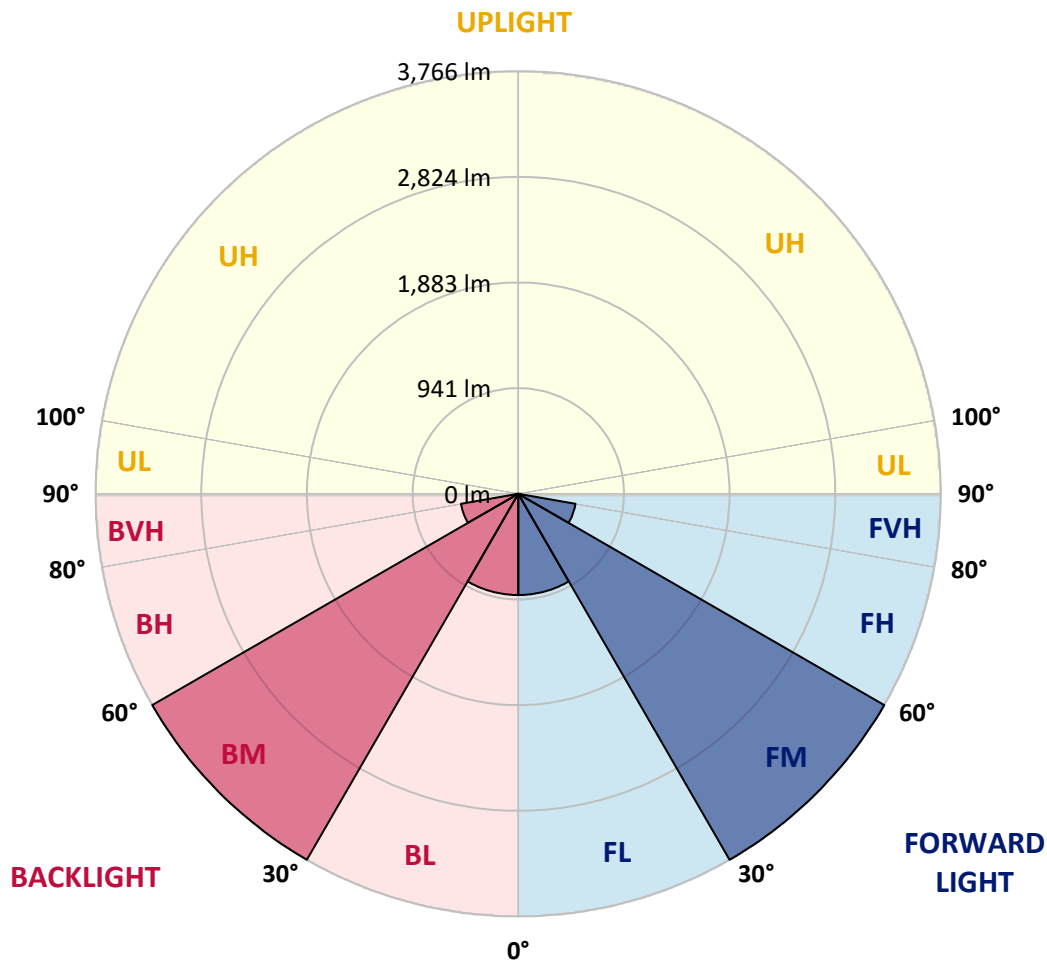
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.9	8.7			
FM (30°-60°)	3765.9	36.1			
FH (60°-80°)	517.7	5.0			G0/660
FVH (80°-90°)	23.7	0.2			G1/100
BL (0°-30°)	901.9	8.7	B2/1000		
BM (30°-60°)	3765.9	36.1	B3/5000		
BH (60°-80°)	517.7	5.0	B2/1000		G0/660
BVH (80°-90°)	23.7	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1741.5	1741.5	1741.5	1741.5	1741.5	1741.5	1741.5	1741.5	1741.5	1741.5	1741.5
2.5°	1745.4	1727.3	1733.8	1737.7	1754.5	1753.2	1749.3	1754.5	1759.6	1761.0	1758.4
5°	1744.1	1731.2	1736.4	1740.3	1757.1	1766.1	1763.6	1785.5	1801.0	1797.1	1816.6
7.5°	1733.8	1741.5	1735.1	1754.5	1768.7	1790.7	1814.0	1834.6	1854.1	1876.0	1879.9
10°	1757.1	1757.1	1768.7	1784.3	1821.7	1838.5	1872.2	1901.8	1939.3	1965.2	1954.9
12.5°	1781.7	1785.5	1785.5	1825.6	1856.6	1894.1	1925.1	1965.2	2018.2	2049.3	2064.8
15°	1806.2	1808.8	1821.7	1876.0	1922.5	1982.1	2010.5	2046.7	2076.4	2134.6	2135.9
17.5°	1828.2	1842.4	1881.2	1942.0	2000.2	2057.0	2102.2	2139.8	2165.7	2188.9	2183.7
20°	1910.9	1921.3	1961.4	2022.1	2108.7	2164.3	2179.9	2186.3	2203.2	2249.7	2235.5
22.5°	1991.1	1994.9	2032.4	2125.5	2186.3	2260.0	2276.8	2273.0	2279.4	2291.1	2311.7
25°	2073.8	2080.3	2132.0	2210.9	2296.2	2384.2	2398.4	2368.6	2359.6	2372.5	2373.8
27.5°	2179.9	2181.1	2247.1	2315.6	2412.6	2495.3	2517.3	2494.1	2451.3	2461.7	2478.5
30°	2314.3	2305.3	2371.2	2469.4	2571.6	2618.1	2655.6	2644.0	2597.4	2588.4	2574.2
32.5°	2469.4	2472.0	2531.5	2638.8	2706.1	2783.6	2823.7	2804.3	2774.6	2759.1	2768.2
35°	2688.0	2699.6	2739.7	2828.9	2937.5	2976.3	3039.6	2998.2	2920.7	2940.1	2956.9
37.5°	2867.7	2901.3	2976.3	3082.3	3146.9	3218.1	3241.3	3185.7	3128.9	3105.6	3161.2
40°	3143.1	3132.7	3215.5	3321.5	3417.2	3488.3	3458.5	3402.9	3262.0	3263.3	3278.8
42.5°	3379.6	3384.9	3448.2	3574.9	3705.5	3749.4	3655.1	3519.3	3362.9	3346.1	3379.6
45°	3578.8	3599.5	3635.6	3805.0	3933.0	3980.9	3806.4	3646.0	3436.6	3366.8	3422.4
47.5°	3649.9	3683.5	3762.4	3917.5	4044.2	4083.1	3943.4	3713.3	3505.1	3391.3	3421.0
50°	3660.3	3648.6	3777.9	3920.2	4031.3	4115.3	3992.6	3762.4	3488.3	3428.8	3419.8
52.5°	3377.1	3434.0	3572.3	3767.6	3992.6	4127.0	4036.5	3789.5	3511.6	3444.3	3422.4
55°	2733.2	2666.0	2918.1	3246.5	3660.3	4033.9	4021.0	3803.8	3525.8	3470.2	3440.4
57.5°	1525.7	1545.0	1687.2	2044.1	2578.1	3198.7	3574.9	3653.8	3519.3	3487.0	3502.5
60°	705.9	712.4	773.1	940.0	1270.9	1814.0	2309.1	2812.1	3043.5	3090.1	3090.1
62.5°	526.2	523.6	539.2	568.9	638.7	833.9	1113.2	1512.7	1830.8	2053.1	2111.3
65°	475.8	474.5	482.2	492.6	497.8	525.0	587.0	709.8	813.2	872.7	862.4
67.5°	416.3	415.0	417.6	424.1	433.1	447.3	462.9	488.7	525.0	522.3	515.9
70°	336.1	336.1	340.0	345.2	355.6	372.4	390.5	408.6	439.6	446.1	444.8
72.5°	248.3	244.4	252.1	262.5	272.8	293.5	312.9	329.7	351.7	358.1	355.6
75°	157.8	160.3	165.5	177.1	195.2	209.5	230.1	244.4	258.6	263.7	265.1
77.5°	87.9	90.5	99.6	113.8	131.9	147.4	165.5	177.1	186.2	187.5	188.8
80°	53.0	54.3	63.3	76.3	91.8	108.6	122.8	134.5	142.2	138.3	137.1
82.5°	32.3	33.6	41.4	53.0	65.9	78.9	94.4	104.7	112.4	107.3	102.2
85°	16.8	18.1	24.6	32.3	42.6	49.1	49.1	44.0	42.6	40.1	38.8
87.5°	5.1	5.1	6.5	7.7	6.5	7.7	9.1	10.3	10.3	11.6	10.3
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)