

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: P527450

Luminaire Tested: **GALN-SA2C-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527450  
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-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 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: 10360 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

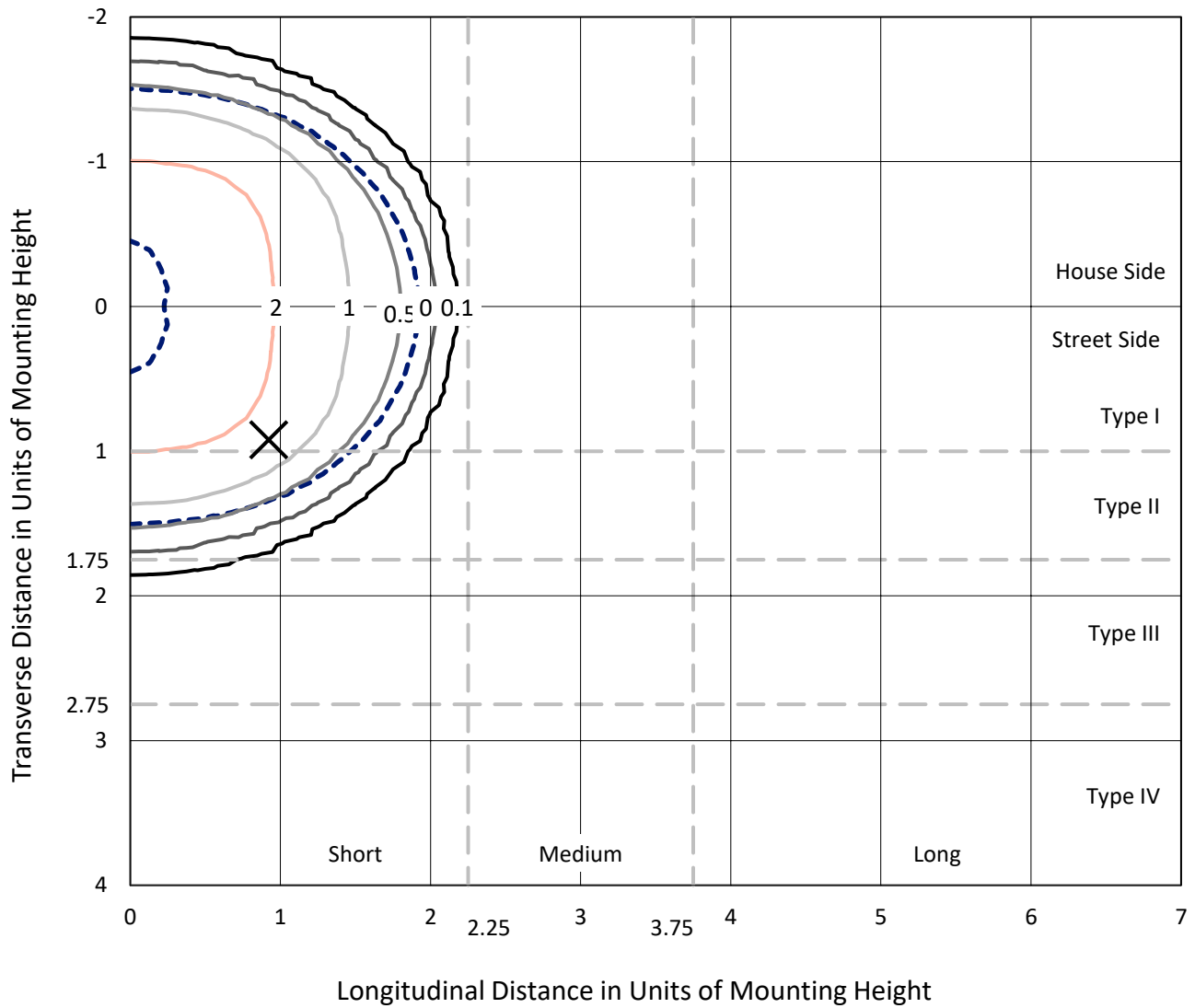
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

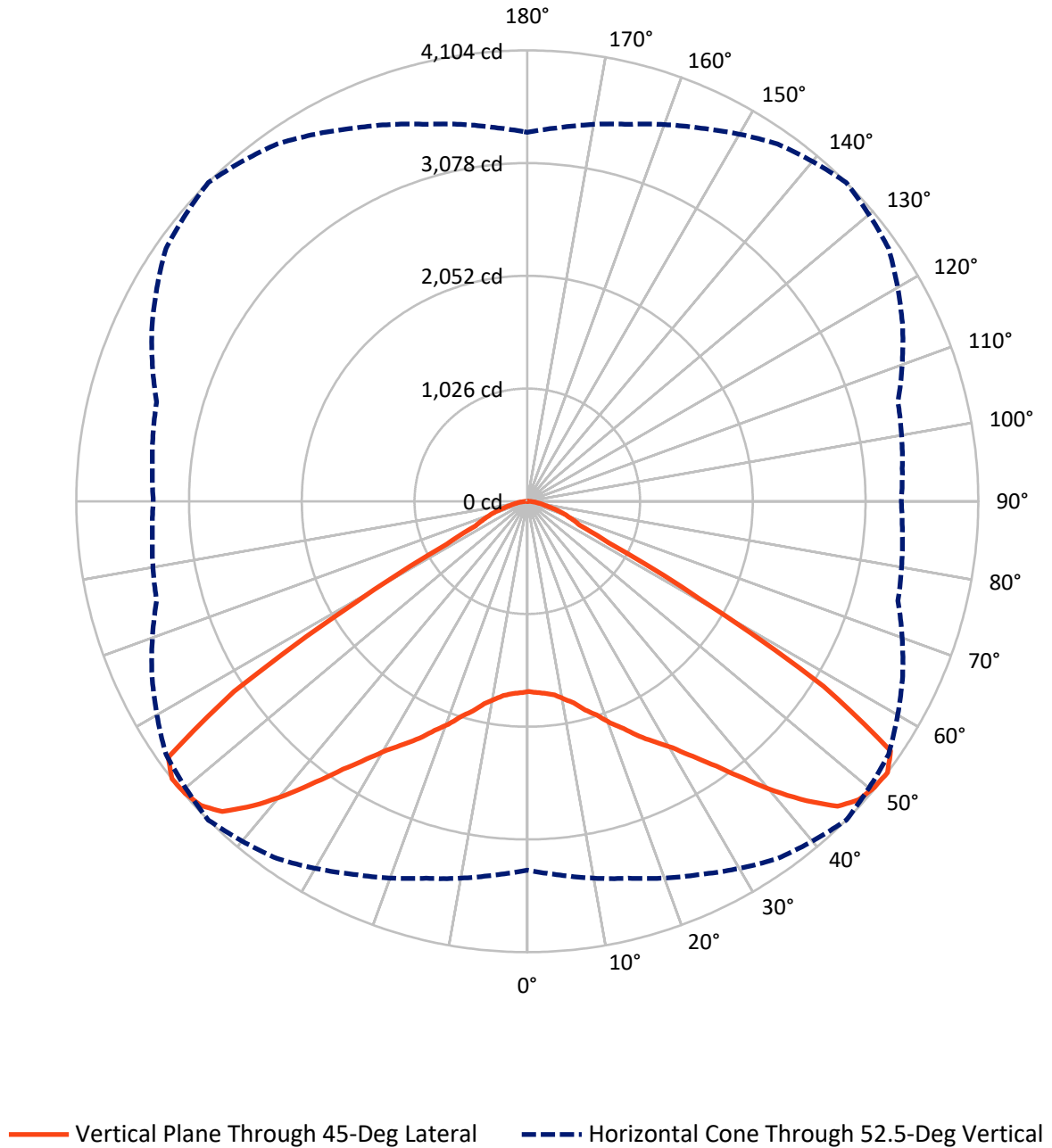
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5180.0	0.0	5180.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5180.0	0.0	5180.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10360.0	0.0	10360.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.1	1.6
10°-20°	559.1	5.4
20°-30°	1064.4	10.3
30°-40°	1827.7	17.6
40°-50°	2809.2	27.1
50°-60°	2852.7	27.5
60°-70°	795.0	7.7
70°-80°	234.5	2.3
80°-90°	47.2	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°	10360.0	100.0
0°-180°	10360.0	100.0

**Coefficient of Utilization**

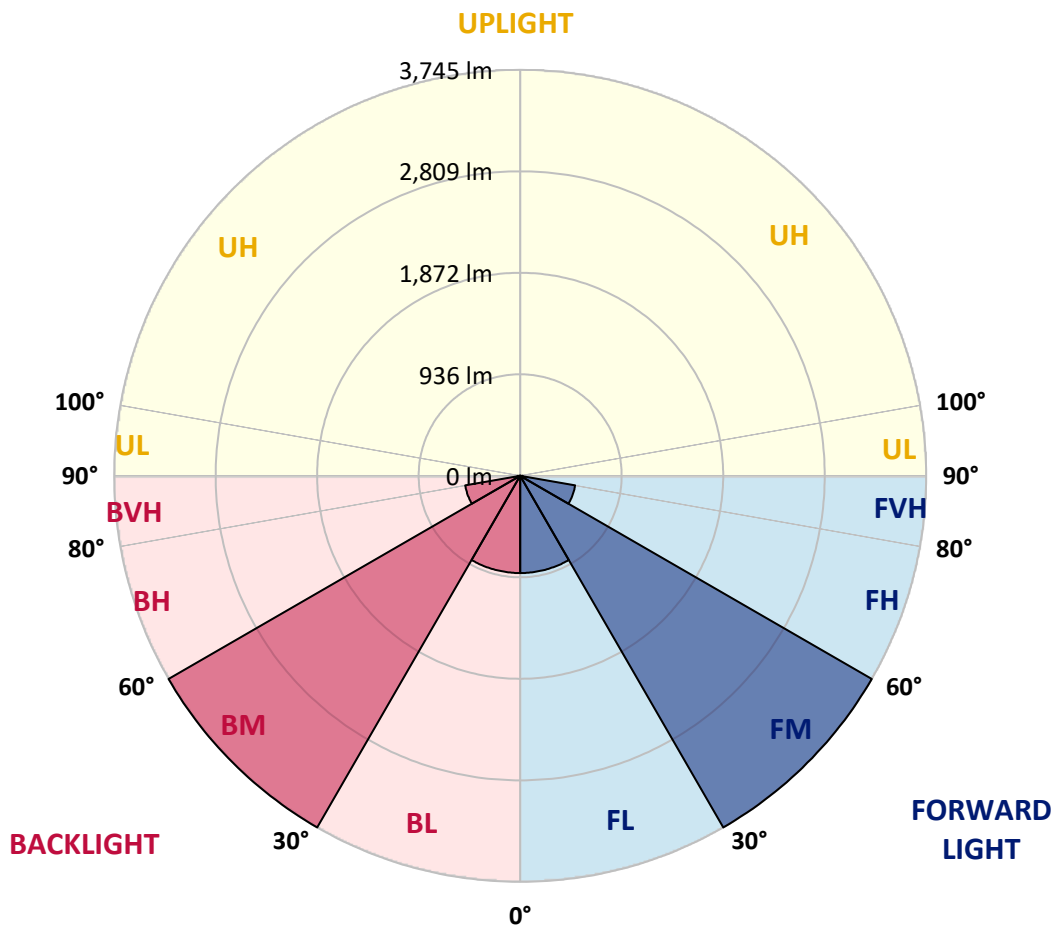


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	896.8	8.7			
FM (30°-60°)	3744.8	36.1			
FH (60°-80°)	514.8	5.0			G0/660
FVH (80°-90°)	23.6	0.2			G1/100
BL (0°-30°)	896.8	8.7	B2/1000		
BM (30°-60°)	3744.8	36.1	B3/5000		
BH (60°-80°)	514.8	5.0	B2/1000		G0/660
BVH (80°-90°)	23.6	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°	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8	1731.8
2.5°	1735.7	1717.7	1724.1	1728.0	1744.7	1743.4	1739.5	1744.7	1749.8	1751.1	1748.5
5°	1734.4	1721.5	1726.7	1730.5	1747.2	1756.2	1753.7	1775.5	1791.0	1787.1	1806.4
7.5°	1724.1	1731.8	1725.4	1744.7	1758.8	1780.7	1803.8	1824.4	1843.7	1865.5	1869.4
10°	1747.2	1747.2	1758.8	1774.2	1811.5	1828.2	1861.7	1891.2	1928.5	1954.2	1943.9
12.5°	1771.7	1775.5	1775.5	1815.4	1846.2	1883.5	1914.4	1954.2	2006.9	2037.8	2053.2
15°	1796.1	1798.7	1811.5	1865.5	1911.8	1970.9	1999.2	2035.2	2064.8	2122.7	2123.9
17.5°	1818.0	1832.1	1870.7	1931.1	1988.9	2045.5	2090.5	2127.8	2153.5	2176.7	2171.5
20°	1900.2	1910.5	1950.4	2010.8	2096.9	2152.2	2167.7	2174.1	2190.8	2237.1	2222.9
22.5°	1979.9	1983.8	2021.1	2113.7	2174.1	2247.4	2264.1	2260.2	2266.7	2278.2	2298.8
25°	2062.2	2068.7	2120.1	2198.5	2283.4	2370.8	2384.9	2355.4	2346.4	2359.2	2360.5
27.5°	2167.7	2168.9	2234.5	2302.7	2399.1	2481.4	2503.2	2480.1	2437.6	2447.9	2464.6
30°	2301.4	2292.4	2357.9	2455.6	2557.2	2603.5	2640.8	2629.2	2582.9	2573.9	2559.8
32.5°	2455.6	2458.2	2517.4	2624.1	2690.9	2768.1	2807.9	2788.6	2759.1	2743.6	2752.6
35°	2672.9	2684.5	2724.4	2813.1	2921.1	2959.6	3022.6	2981.5	2904.4	2923.6	2940.3
37.5°	2851.6	2885.1	2959.6	3065.1	3129.3	3200.1	3223.2	3167.9	3111.3	3088.2	3143.5
40°	3125.5	3115.2	3197.5	3302.9	3398.1	3468.8	3439.2	3383.9	3243.8	3245.1	3260.5
42.5°	3360.8	3365.9	3428.9	3554.9	3684.8	3728.5	3634.6	3499.6	3344.1	3327.3	3360.8
45°	3558.8	3579.3	3615.3	3783.8	3911.0	3958.6	3785.0	3625.6	3417.3	3347.9	3403.2
47.5°	3629.5	3662.9	3741.3	3895.6	4021.6	4060.2	3921.3	3692.5	3485.5	3372.3	3401.9
50°	3639.8	3628.2	3756.8	3898.2	4008.7	4092.3	3970.2	3741.3	3468.8	3409.6	3400.6
52.5°	3358.2	3414.8	3552.3	3746.5	3970.2	4103.9	4013.9	3768.3	3491.9	3425.1	3403.2
55°	2717.9	2651.1	2901.8	3228.3	3639.8	4011.3	3998.5	3782.5	3506.0	3450.8	3421.2
57.5°	1517.1	1536.4	1677.8	2032.7	2563.6	3180.8	3554.9	3633.3	3499.6	3467.5	3482.9
60°	702.0	708.4	768.8	934.7	1263.8	1803.8	2296.2	2796.4	3026.5	3072.8	3072.8
62.5°	523.3	520.7	536.1	565.7	635.1	829.3	1107.0	1504.2	1820.5	2041.7	2099.5
65°	473.1	471.8	479.6	489.8	495.0	522.0	583.7	705.8	808.7	867.8	857.5
67.5°	414.0	412.7	415.3	421.7	430.7	444.8	460.3	486.0	522.0	519.4	513.0
70°	334.3	334.3	338.1	343.3	353.6	370.3	388.3	406.3	437.1	443.6	442.3
72.5°	246.9	243.0	250.7	261.0	271.3	291.8	311.1	327.8	349.7	356.1	353.6
75°	156.9	159.4	164.6	176.1	194.1	208.3	228.9	243.0	257.1	262.3	263.6
77.5°	87.4	90.0	99.0	113.1	131.1	146.6	164.6	176.1	185.1	186.4	187.7
80°	52.7	54.0	63.0	75.9	91.3	108.0	122.1	133.7	141.4	137.6	136.3
82.5°	32.1	33.4	41.1	52.7	65.6	78.4	93.9	104.1	111.9	106.7	101.6
85°	16.7	18.0	24.4	32.1	42.4	48.9	48.9	43.7	42.4	39.9	38.6
87.5°	5.1	5.1	6.4	7.7	6.4	7.7	9.0	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)