

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: P527914

Luminaire Tested: **GALN-SA3A-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527914  
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-SA3A-727-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 615mA 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: 9686 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

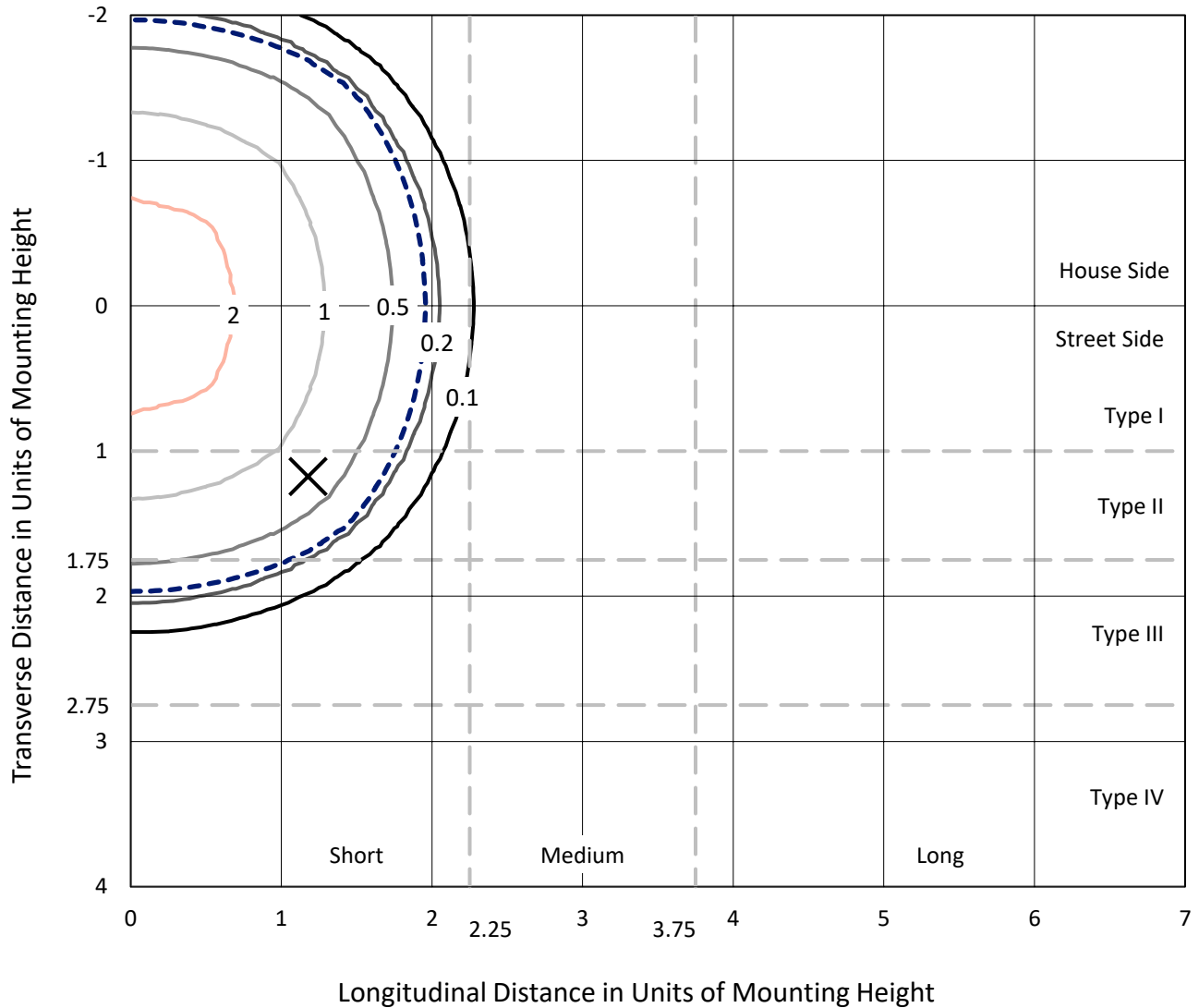
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

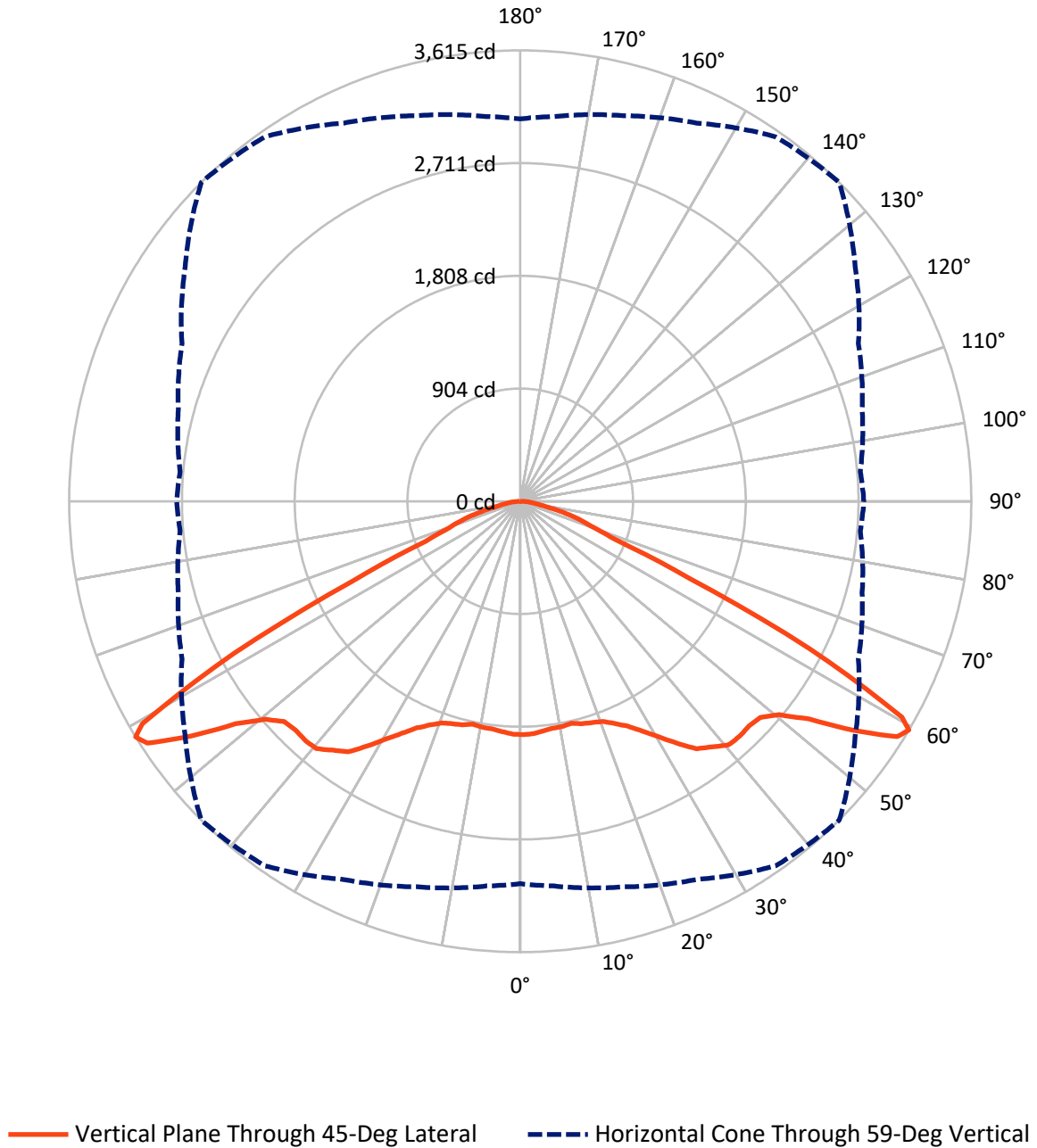
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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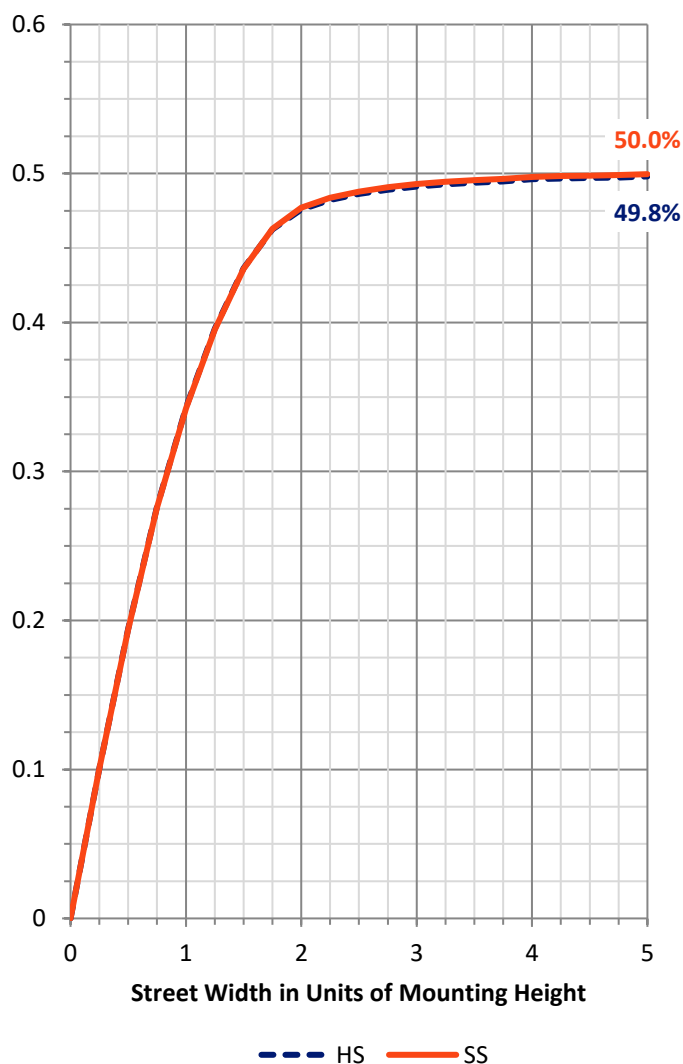
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4843.0	0.0	4843.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4843.0	0.0	4843.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9686.0	0.0	9686.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.4	1.8
10°-20°	524.5	5.4
20°-30°	915.8	9.5
30°-40°	1462.6	15.1
40°-50°	1992.4	20.6
50°-60°	2694.3	27.8
60°-70°	1477.6	15.3
70°-80°	378.0	3.9
80°-90°	64.5	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°	9686.0	100.0
0°-180°	9686.0	100.0

**Coefficient of Utilization**



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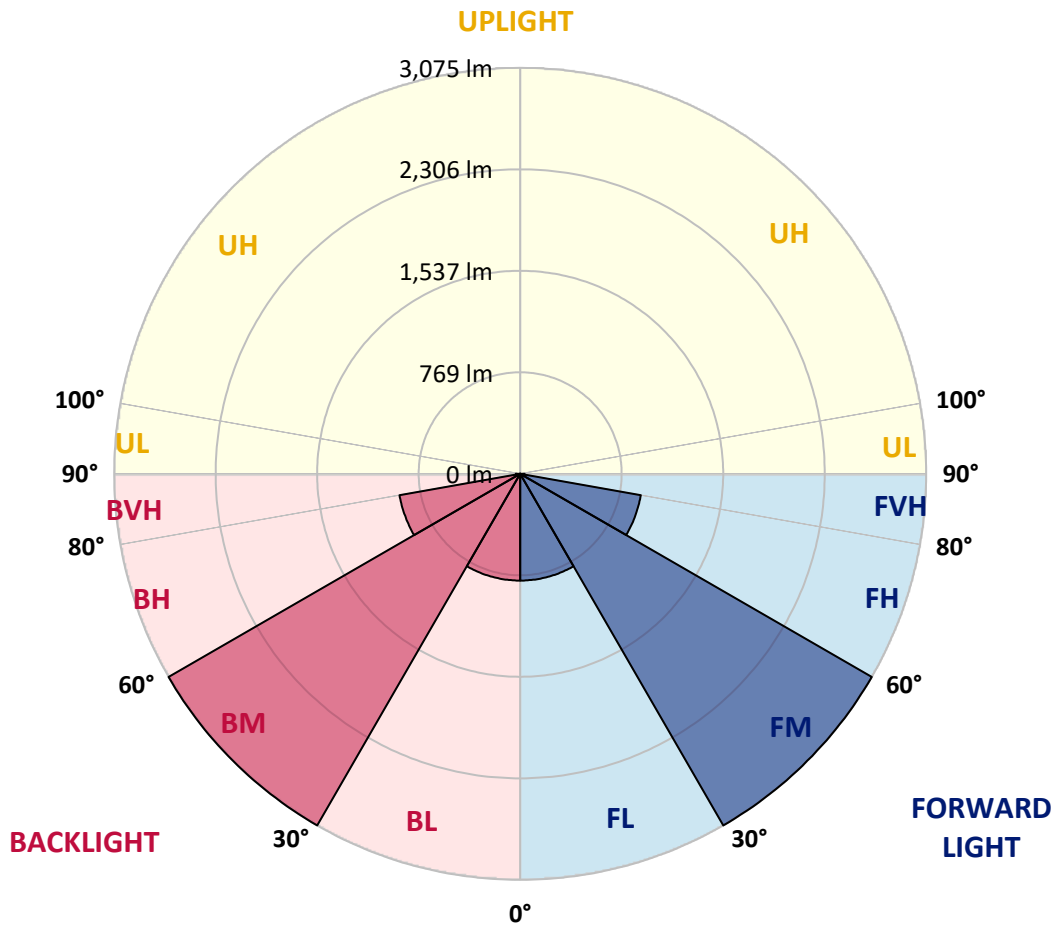
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.3	8.3			
FM (30°-60°)	3074.7	31.7			
FH (60°-80°)	927.8	9.6			G1/1800
FVH (80°-90°)	32.2	0.3			G1/100
BL (0°-30°)	808.3	8.3	B2/1000		
BM (30°-60°)	3074.7	31.7	B3/5000		
BH (60°-80°)	927.8	9.6	B2/1000		G1/1800
BVH (80°-90°)	32.2	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°	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9
2.5°	1859.7	1873.4	1863.4	1872.1	1870.9	1867.1	1860.9	1857.2	1852.3	1859.7	1847.3
5°	1852.3	1863.4	1874.6	1859.7	1859.7	1852.3	1848.5	1841.1	1841.1	1839.8	1838.6
7.5°	1864.7	1853.5	1848.5	1851.0	1853.5	1837.4	1848.5	1833.6	1821.2	1829.9	1839.8
10°	1853.5	1858.5	1839.8	1848.5	1834.9	1837.4	1829.9	1839.8	1826.2	1826.2	1826.2
12.5°	1864.7	1851.0	1857.2	1851.0	1847.3	1826.2	1836.1	1824.9	1823.7	1836.1	1824.9
15°	1887.0	1864.7	1859.7	1847.3	1851.0	1851.0	1841.1	1842.3	1828.7	1836.1	1838.6
17.5°	1879.6	1867.1	1863.4	1848.5	1860.9	1864.7	1846.0	1833.6	1842.3	1841.1	1839.8
20°	1885.8	1890.7	1887.0	1889.5	1894.5	1884.5	1867.1	1849.8	1838.6	1854.7	1853.5
22.5°	1925.5	1920.5	1918.0	1915.6	1924.3	1934.2	1910.6	1883.3	1883.3	1894.5	1899.4
25°	1957.8	1956.5	1955.3	1966.5	1996.3	1996.3	1966.5	1931.7	1923.0	1930.5	1924.3
27.5°	2004.9	2018.6	2013.6	2033.5	2077.0	2086.9	2047.2	2006.2	1982.6	1973.9	1985.1
30°	2113.0	2096.8	2100.5	2121.6	2160.1	2192.4	2131.6	2088.1	2055.8	2054.6	2059.6
32.5°	2185.0	2197.4	2208.5	2228.4	2289.2	2314.1	2240.8	2170.1	2150.2	2139.0	2142.8
35°	2329.0	2317.8	2315.3	2335.2	2396.0	2437.0	2345.1	2283.0	2257.0	2281.8	2281.8
37.5°	2465.5	2434.5	2410.9	2437.0	2492.8	2497.8	2419.6	2386.1	2372.4	2401.0	2399.7
40°	2530.1	2527.6	2473.0	2487.9	2562.4	2569.8	2496.6	2456.8	2454.4	2491.6	2528.8
42.5°	2597.1	2573.5	2518.9	2528.8	2574.8	2577.3	2507.7	2496.6	2523.9	2559.9	2562.4
45°	2608.3	2588.4	2553.7	2528.8	2562.4	2569.8	2528.8	2536.3	2538.8	2582.2	2582.2
47.5°	2630.6	2628.2	2608.3	2589.7	2595.9	2589.7	2563.6	2574.8	2612.0	2633.1	2623.2
50°	2692.7	2666.6	2686.5	2670.4	2671.6	2689.0	2665.4	2676.6	2669.1	2650.5	2638.1
52.5°	2829.3	2816.9	2834.2	2845.4	2857.8	2897.6	2870.2	2810.7	2754.8	2705.1	2703.9
55°	3029.1	3037.8	3071.4	3128.5	3176.9	3240.2	3108.6	2965.8	2876.5	2798.2	2803.2
57.5°	3217.9	3211.6	3257.6	3387.9	3529.5	3561.7	3303.5	3099.9	2954.7	2905.0	2883.9
59°	3066.4	3096.2	3200.5	3345.7	3567.9	3615.1	3277.4	2990.7	2836.7	2736.2	2753.5
60°	2828.0	2839.2	2932.3	3134.7	3435.1	3515.8	3102.4	2821.8	2617.0	2558.6	2584.7
62.5°	1998.7	1990.1	2057.1	2222.2	2491.6	2600.8	2306.6	2109.2	1980.1	1915.6	1930.5
65°	1062.7	1102.4	1129.7	1232.8	1375.5	1491.0	1369.3	1283.7	1211.7	1158.3	1157.0
67.5°	717.6	712.6	718.8	742.4	790.8	823.1	820.6	777.2	770.9	761.0	772.2
70°	604.6	602.1	590.9	590.9	600.9	608.3	617.0	622.0	631.9	644.3	643.1
72.5°	490.4	484.2	476.7	473.0	485.4	489.1	500.3	505.3	514.0	512.7	523.9
75°	324.0	324.0	332.7	342.6	346.4	353.8	355.1	370.0	370.0	372.4	362.5
77.5°	181.3	176.3	182.5	192.4	201.1	214.8	228.4	239.6	245.8	243.3	243.3
80°	105.5	105.5	111.7	122.9	134.1	146.5	156.4	165.1	171.3	168.8	163.9
82.5°	65.8	65.8	72.0	83.2	91.9	99.3	113.0	124.1	131.6	129.1	122.9
85°	33.5	33.5	41.0	48.4	59.6	64.6	63.3	58.3	57.1	50.9	50.9
87.5°	8.7	8.7	12.4	13.7	11.2	12.4	12.4	12.4	12.4	12.4	13.7
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)