

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: P528068

Luminaire Tested: **GALN-SA3A-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528068  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3A-827-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9039 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

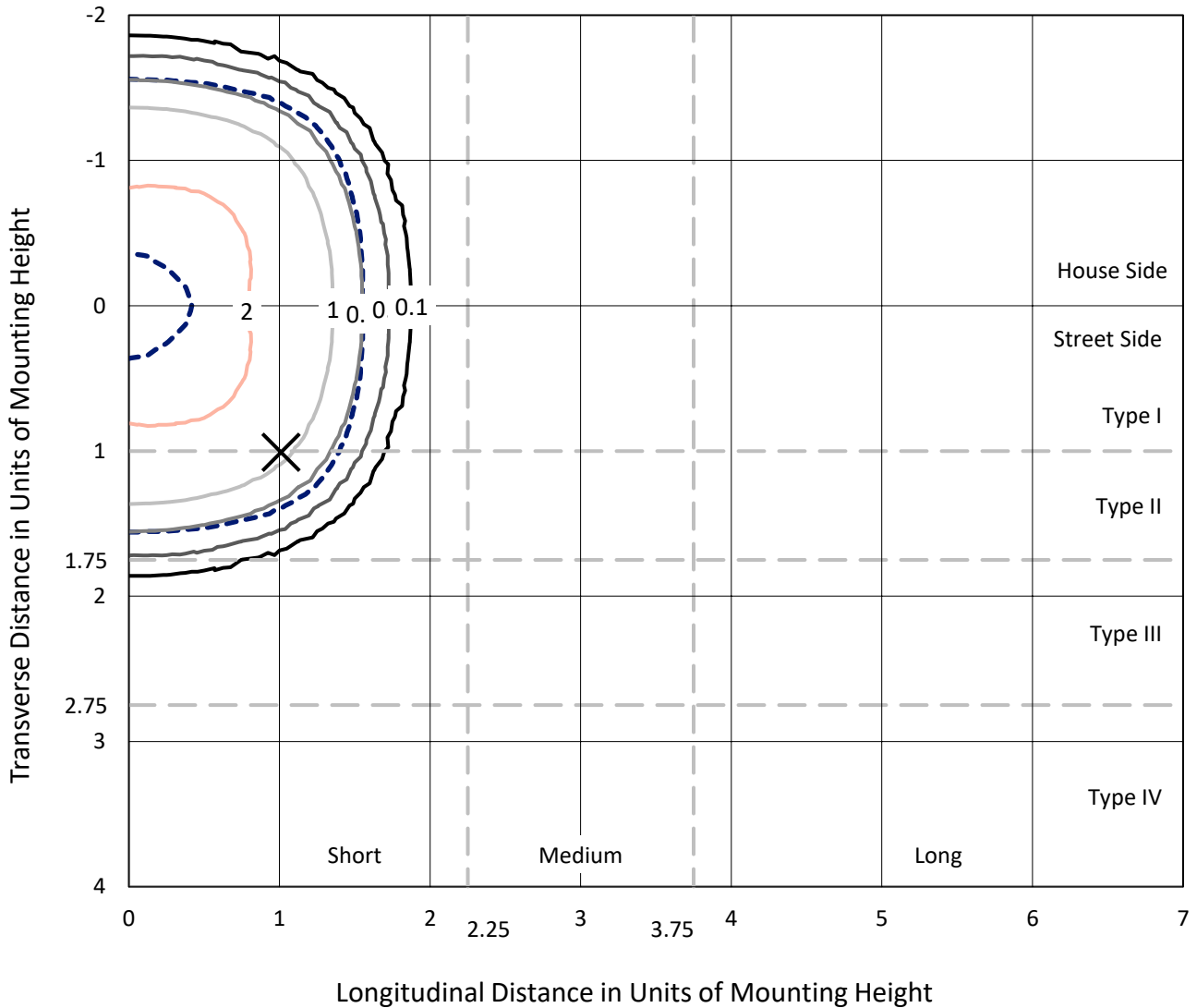
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528068  
 CATALOG NUMBER: GALN-SA3A-827-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

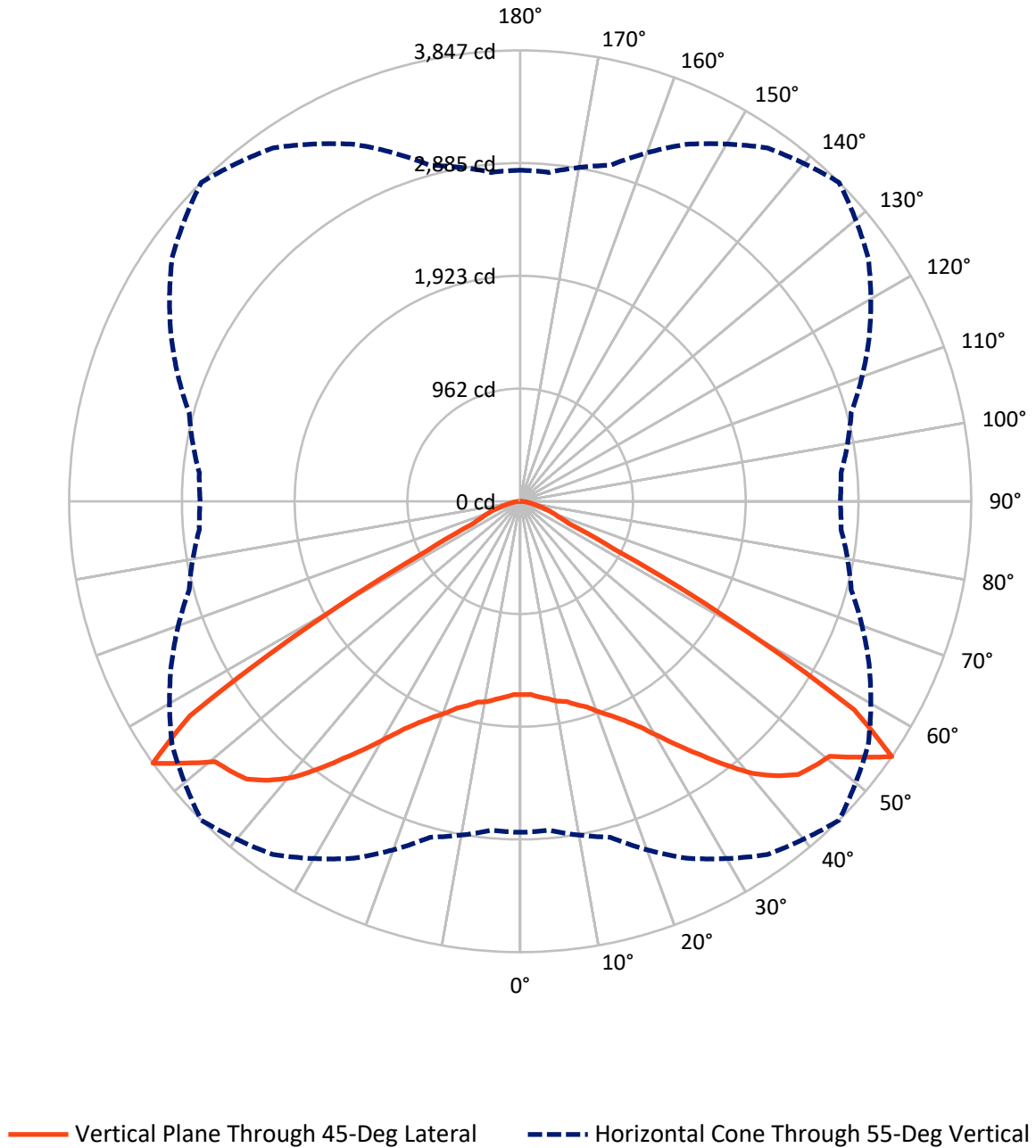
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P528068  
CATALOG NUMBER: GALN-SA3A-827-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P528068  
 CATALOG NUMBER: GALN-SA3A-827-U-5NQ-GRSWH

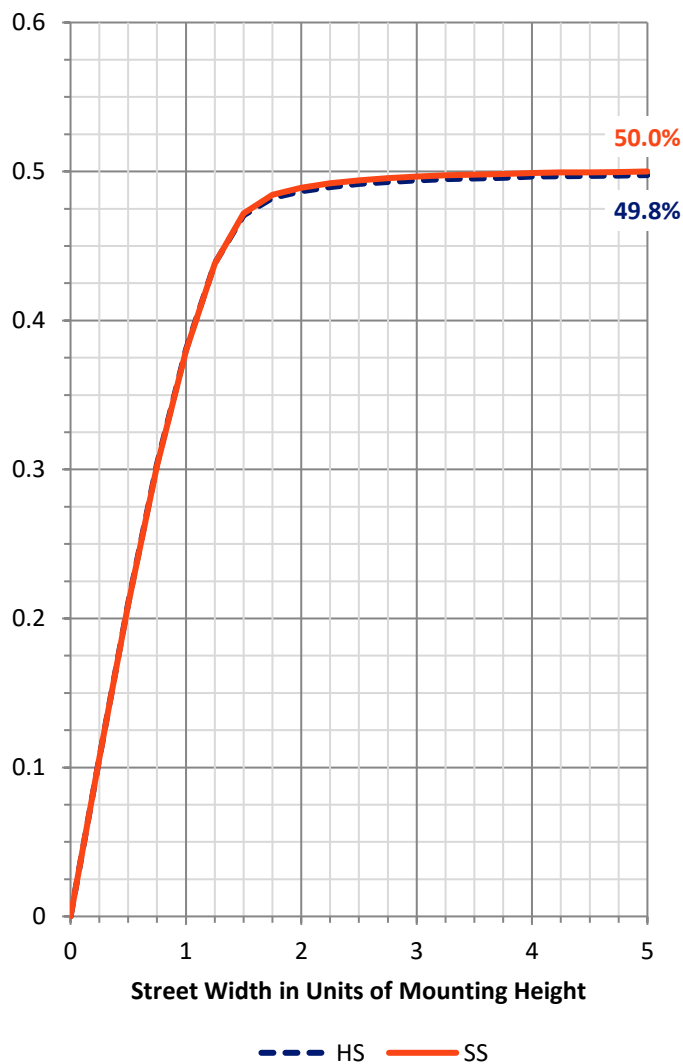
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4519.5	0.0	4519.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4519.5	0.0	4519.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9039.0	0.0	9039.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.2	1.8
10°-20°	510.9	5.7
20°-30°	952.6	10.5
30°-40°	1594.9	17.6
40°-50°	2481.8	27.5
50°-60°	2576.9	28.5
60°-70°	546.5	6.0
70°-80°	180.0	2.0
80°-90°	34.3	0.4
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°	9039.0	100.0
0°-180°	9039.0	100.0

**Coefficient of Utilization**

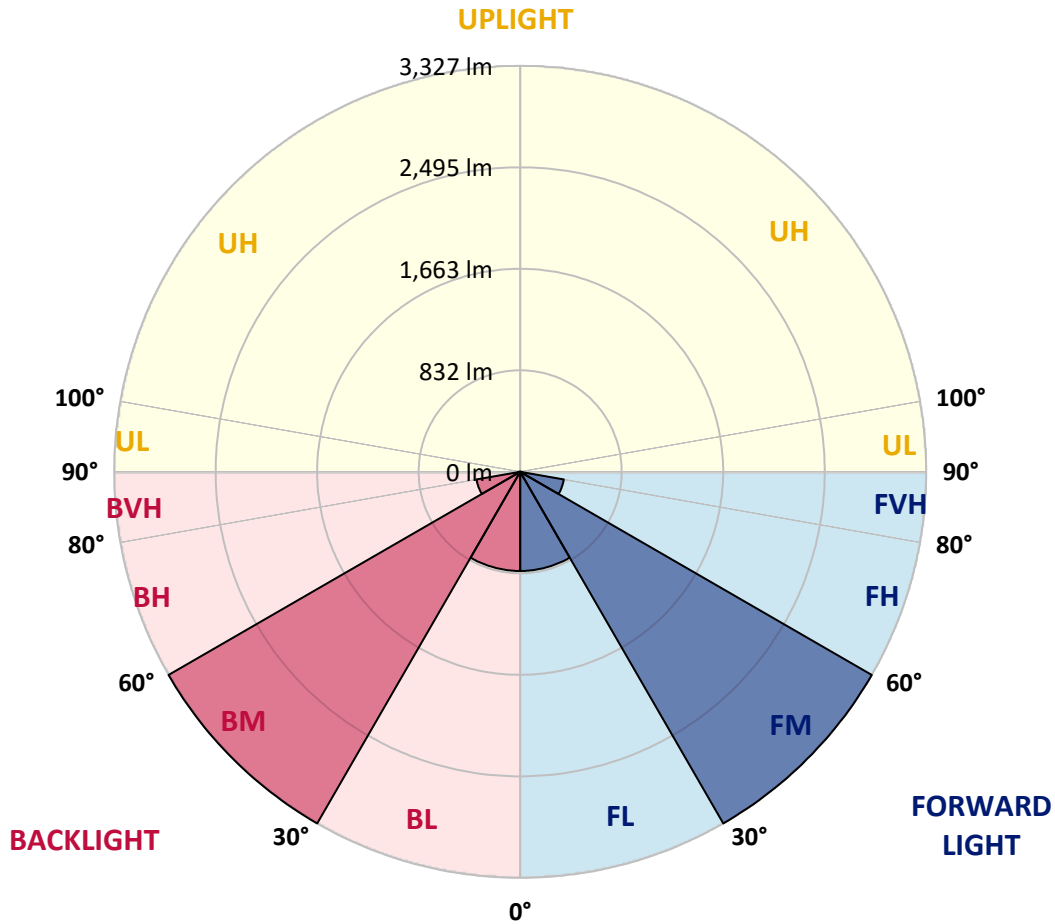


REPORT NUMBER: P528068  
 CATALOG NUMBER: GALN-SA3A-827-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.3	9.0			
FM (30°-60°)	3326.8	36.8			
FH (60°-80°)	363.2	4.0			G0/660
FVH (80°-90°)	17.1	0.2			G1/100
BL (0°-30°)	812.3	9.0	B2/1000		
BM (30°-60°)	3326.8	36.8	B3/5000		
BH (60°-80°)	363.2	4.0	B1/500		G0/660
BVH (80°-90°)	17.1	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





REPORT NUMBER: P528068

CATALOG NUMBER: GALN-SA3A-827-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4	1650.4
2.5°	1670.0	1662.4	1649.3	1659.1	1666.8	1650.4	1656.9	1660.2	1658.0	1649.3	1652.6
5°	1694.1	1689.7	1678.8	1686.4	1676.6	1676.6	1670.0	1661.3	1674.4	1672.2	1677.7
7.5°	1694.1	1688.6	1710.5	1696.3	1700.6	1700.6	1689.7	1681.0	1687.5	1677.7	1672.2
10°	1727.9	1735.6	1725.8	1729.0	1726.8	1734.5	1718.1	1712.6	1707.2	1703.9	1697.4
12.5°	1768.3	1762.9	1766.2	1764.0	1771.6	1752.0	1742.1	1730.1	1740.0	1725.8	1735.6
15°	1801.1	1797.8	1801.1	1809.9	1802.2	1801.1	1783.6	1771.6	1756.3	1759.6	1744.3
17.5°	1845.9	1842.6	1843.7	1851.4	1850.3	1844.8	1831.7	1808.8	1803.3	1794.6	1784.7
20°	1912.5	1907.1	1904.9	1908.2	1913.6	1918.0	1891.8	1883.0	1864.5	1850.3	1833.9
22.5°	1969.3	1967.1	1975.9	1961.7	1973.7	1986.8	1961.7	1957.3	1911.4	1903.8	1886.3
25°	2048.0	2044.7	2039.2	2060.0	2074.2	2073.1	2049.1	2025.0	1990.1	1981.3	1981.3
27.5°	2131.0	2112.4	2140.8	2146.3	2171.4	2179.0	2158.3	2123.3	2090.6	2072.0	2076.4
30°	2234.7	2217.3	2223.8	2263.1	2295.9	2324.3	2271.9	2220.5	2174.7	2141.9	2136.4
32.5°	2338.5	2321.0	2340.7	2378.9	2444.5	2487.0	2435.7	2346.1	2292.6	2244.6	2254.4
35°	2422.6	2435.7	2467.4	2525.3	2593.0	2661.8	2579.9	2511.1	2434.6	2381.1	2388.7
37.5°	2558.0	2598.5	2623.6	2690.2	2786.3	2857.3	2772.1	2682.6	2600.6	2530.7	2506.7
40°	2735.0	2762.3	2790.7	2869.3	2982.9	3053.9	2973.1	2856.2	2775.4	2703.3	2700.0
42.5°	2929.4	2955.6	2985.1	3081.2	3149.0	3202.5	3128.2	3065.9	2976.4	2919.6	2916.3
45°	3155.5	3136.9	3169.7	3233.1	3289.9	3324.8	3276.7	3246.2	3181.7	3129.3	3123.8
47.5°	3306.2	3289.9	3348.8	3405.6	3414.4	3376.1	3386.0	3414.4	3346.6	3260.4	3287.7
50°	3393.6	3393.6	3432.9	3485.4	3469.0	3419.8	3497.4	3499.6	3431.8	3355.4	3355.4
52.5°	3241.8	3275.7	3387.1	3558.5	3613.2	3627.4	3609.9	3535.6	3358.7	3202.5	3194.8
55°	2824.6	2816.9	2967.6	3360.8	3678.7	3846.9	3624.1	3282.2	2922.9	2747.0	2729.5
57.5°	1837.2	1845.9	2070.9	2471.8	3045.2	3358.7	2982.9	2502.3	2070.9	1828.4	1851.4
60°	826.8	856.3	992.9	1292.1	1784.7	2040.3	1789.1	1357.7	1042.0	904.4	916.4
62.5°	475.1	480.6	486.1	576.7	760.2	898.9	789.7	609.5	537.4	513.4	513.4
65°	400.9	397.6	398.7	406.3	426.0	454.4	442.4	426.0	428.2	426.0	422.7
67.5°	340.8	345.2	341.9	347.3	348.4	352.8	360.4	367.0	368.1	370.3	368.1
70°	279.6	280.7	282.9	287.3	288.4	291.6	302.6	308.0	311.3	311.3	315.7
72.5°	214.1	213.0	215.2	219.5	225.0	226.1	235.9	243.6	247.9	242.5	243.6
75°	140.9	142.0	145.3	148.5	156.2	163.8	167.1	174.8	175.9	178.0	172.6
77.5°	84.1	86.3	89.6	96.1	102.7	109.2	116.9	122.3	124.5	122.3	115.8
80°	54.6	54.6	59.0	64.4	72.1	77.5	81.9	86.3	89.6	86.3	84.1
82.5°	33.9	33.9	39.3	45.9	51.3	54.6	61.2	66.6	69.9	67.7	64.4
85°	17.5	18.6	22.9	28.4	32.8	35.0	33.9	30.6	27.3	26.2	24.0
87.5°	5.5	5.5	6.6	6.6	5.5	5.5	6.6	5.5	6.6	6.6	6.6
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)