

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: P528385

Luminaire Tested: **GALN-SA3C-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528385  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11343 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

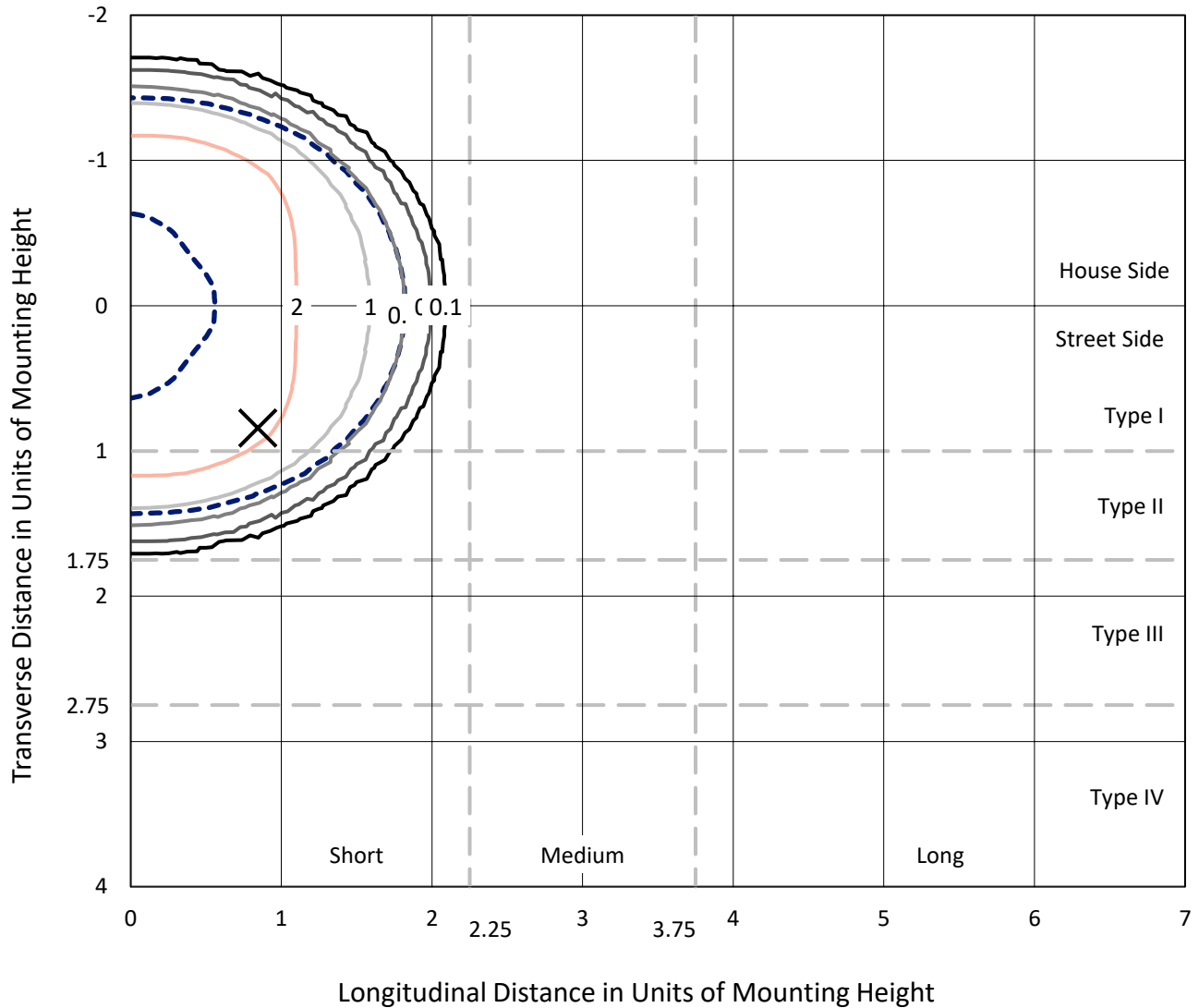
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

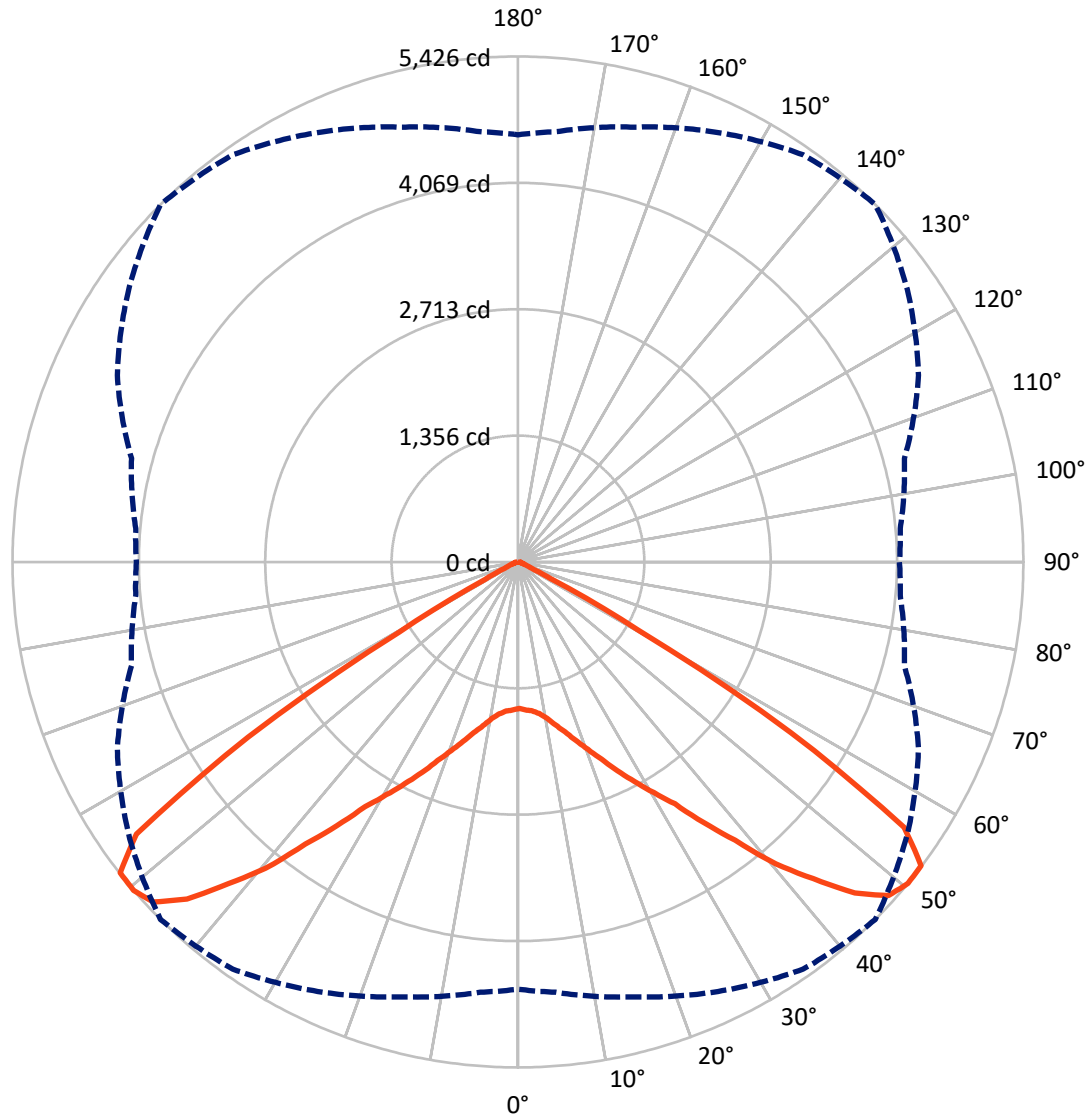
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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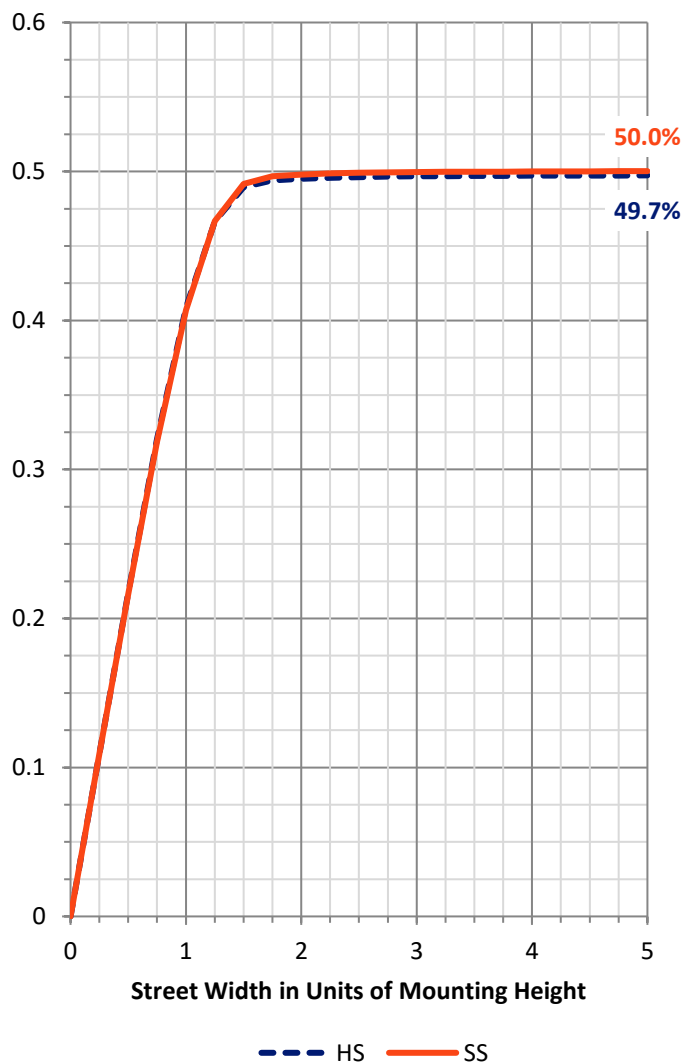
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5671.5	0.0	5671.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5671.5	0.0	5671.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11343.0	0.0	11343.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.4	1.4
10°-20°	539.2	4.8
20°-30°	1101.3	9.7
30°-40°	2100.1	18.5
40°-50°	3539.1	31.2
50°-60°	3375.1	29.8
60°-70°	471.1	4.2
70°-80°	45.1	0.4
80°-90°	15.6	0.1
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°	11343.0	100.0
0°-180°	11343.0	100.0

**Coefficient of Utilization**



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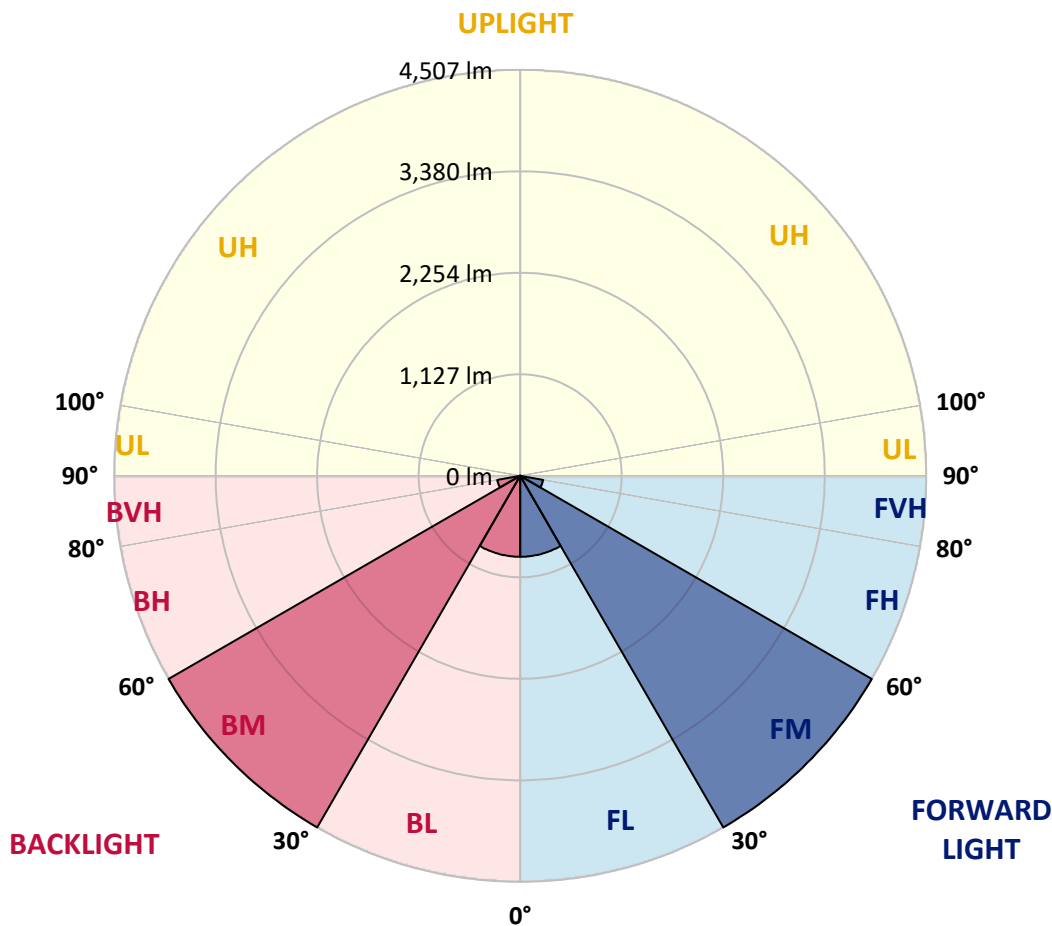
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.5	7.9			
FM (30°-60°)	4507.1	39.7			
FH (60°-80°)	258.1	2.3			G0/660
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	898.5	7.9	B2/1000		
BM (30°-60°)	4507.1	39.7	B3/5000		
BH (60°-80°)	258.1	2.3	B1/500		G0/660
BVH (80°-90°)	7.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1572.6	1572.6	1572.6	1572.6	1572.6	1572.6	1572.6	1572.6	1572.6	1572.6	1572.6
2.5°	1566.9	1566.9	1564.9	1580.2	1572.6	1589.8	1587.8	1593.6	1599.3	1597.4	1612.7
5°	1553.5	1551.6	1551.6	1568.8	1585.9	1605.0	1622.2	1633.7	1652.7	1652.7	1671.8
7.5°	1566.9	1557.3	1570.7	1578.3	1610.8	1643.2	1671.8	1694.7	1738.6	1753.9	1748.2
10°	1570.7	1582.1	1591.7	1614.6	1654.6	1704.3	1729.1	1786.3	1836.0	1870.3	1877.9
12.5°	1595.5	1612.7	1639.4	1694.7	1731.0	1795.9	1830.2	1885.6	1954.3	1992.4	2019.2
15°	1643.2	1648.9	1683.3	1753.9	1832.1	1891.3	1944.7	1984.8	2051.6	2095.5	2097.4
17.5°	1704.3	1729.1	1776.8	1843.6	1925.6	2013.4	2055.4	2099.3	2124.1	2183.3	2196.7
20°	1826.4	1830.2	1876.0	1963.8	2066.9	2147.0	2177.6	2200.5	2190.9	2252.0	2263.4
22.5°	1940.9	1944.7	2002.0	2120.3	2231.0	2299.7	2313.1	2299.7	2271.1	2315.0	2318.8
25°	2057.3	2091.7	2133.7	2252.0	2389.4	2481.0	2482.9	2446.7	2387.5	2395.1	2414.2
27.5°	2238.6	2263.4	2307.3	2416.1	2566.9	2670.0	2652.8	2608.9	2532.5	2538.3	2532.5
30°	2450.5	2473.4	2509.6	2649.0	2759.7	2872.3	2897.1	2855.1	2740.6	2715.8	2744.4
32.5°	2706.2	2738.7	2805.5	2933.3	3026.8	3095.5	3112.7	3097.5	2990.6	2981.0	3000.1
35°	3017.3	3061.2	3122.3	3234.9	3311.2	3435.3	3435.3	3383.7	3286.4	3297.8	3295.9
37.5°	3345.6	3410.4	3505.9	3620.4	3723.4	3790.2	3769.2	3725.3	3628.0	3603.2	3628.0
40°	3757.8	3790.2	3910.5	4059.3	4185.3	4261.6	4171.9	4076.5	3843.7	3879.9	3946.7
42.5°	4133.8	4185.3	4276.9	4441.0	4584.2	4647.1	4540.3	4351.3	4070.8	4042.1	4091.8
45°	4454.4	4509.7	4630.0	4864.7	5015.5	5070.8	4834.2	4528.8	4208.2	4135.7	4156.7
47.5°	4668.1	4696.8	4864.7	5088.0	5225.4	5351.4	5011.7	4650.9	4273.1	4135.7	4128.0
50°	4586.1	4635.7	4832.3	5086.1	5336.1	5425.8	5101.3	4744.5	4294.1	4118.5	4095.6
52.5°	4072.7	4158.6	4378.0	4719.7	5097.5	5418.2	5225.4	4713.9	4286.4	4135.7	4170.0
55°	2834.1	2836.0	3103.2	3607.0	4275.0	5030.7	5044.1	4748.3	4336.1	4242.5	4244.4
57.5°	1139.4	1196.6	1400.8	1906.6	2523.0	3454.3	4107.0	4404.8	4341.8	4318.9	4378.0
60°	288.2	290.1	353.1	538.2	887.4	1481.0	2150.8	2910.4	3351.3	3502.0	3523.0
62.5°	147.0	148.9	164.1	190.8	242.4	397.0	706.1	1120.3	1593.6	1834.0	1897.0
65°	120.2	120.2	129.8	143.1	145.0	152.7	183.2	261.5	379.8	431.3	437.0
67.5°	91.6	91.6	99.2	106.9	110.7	108.8	105.0	108.8	131.7	126.0	122.1
70°	57.3	59.2	63.0	70.6	74.4	76.3	78.2	82.1	93.5	97.3	93.5
72.5°	34.4	34.4	36.3	42.0	47.7	51.5	57.3	61.1	66.8	76.3	74.4
75°	15.3	15.3	19.1	24.8	30.5	36.3	42.0	47.7	51.5	57.3	59.2
77.5°	3.8	5.7	9.5	17.2	22.9	30.5	38.2	43.9	47.7	47.7	45.8
80°	1.9	1.9	7.6	13.4	24.8	32.4	42.0	45.8	51.5	47.7	42.0
82.5°	1.9	1.9	7.6	13.4	22.9	32.4	43.9	49.6	53.4	47.7	40.1
85°	0.0	1.9	5.7	11.5	19.1	22.9	19.1	13.4	7.6	7.6	5.7
87.5°	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)