

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: P527449

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527449  
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-SA2C-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 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: 7641 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

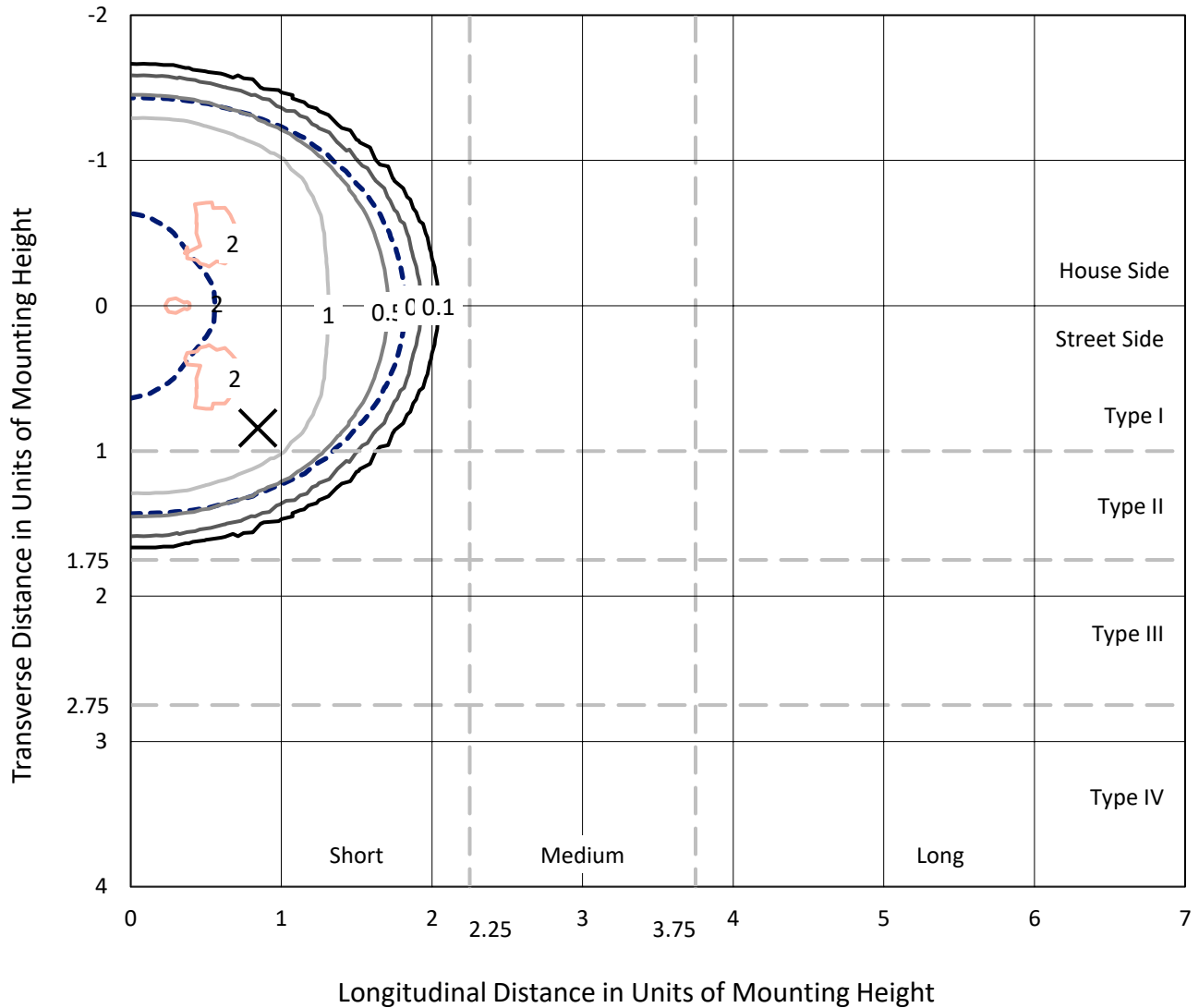
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

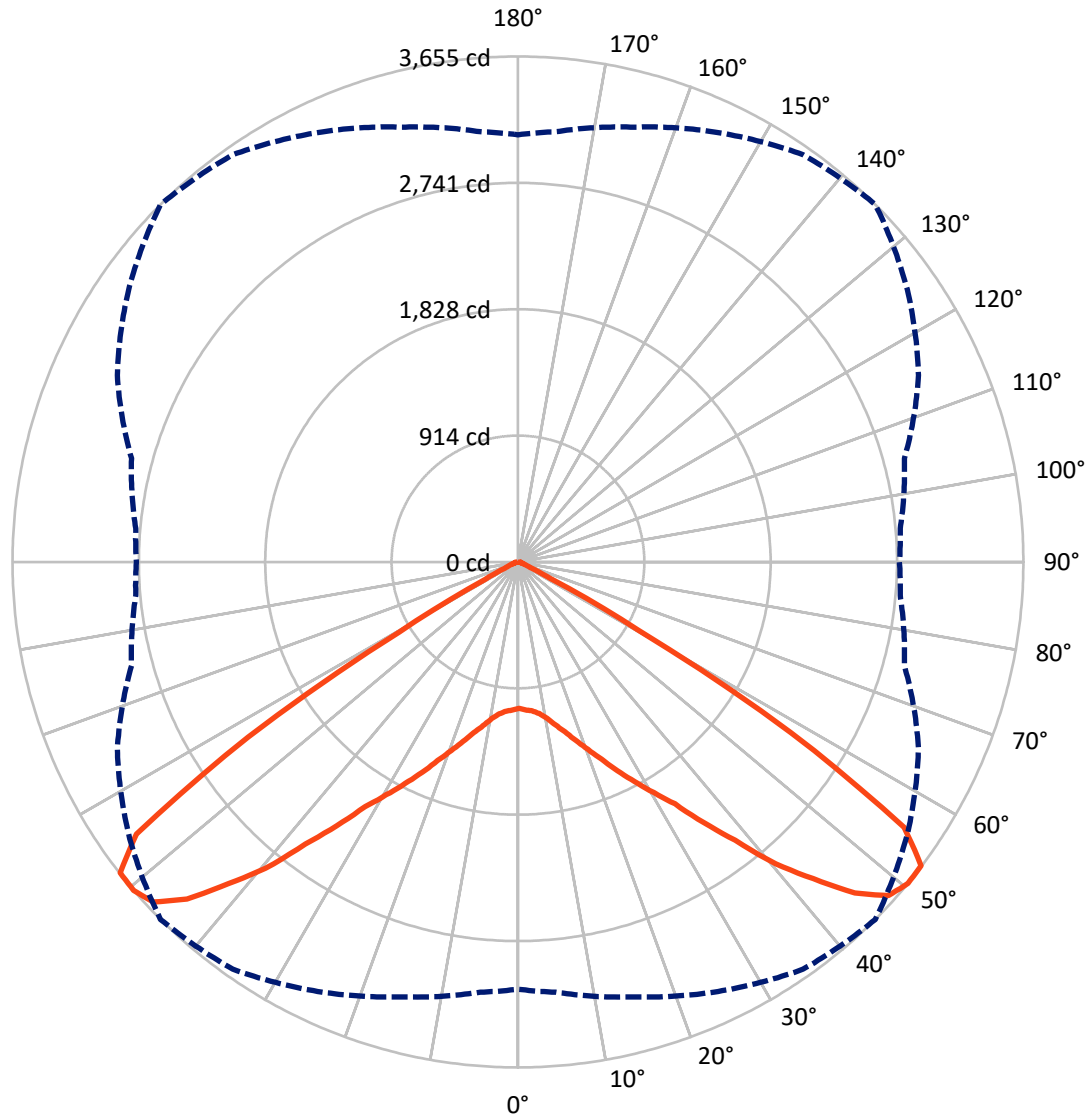
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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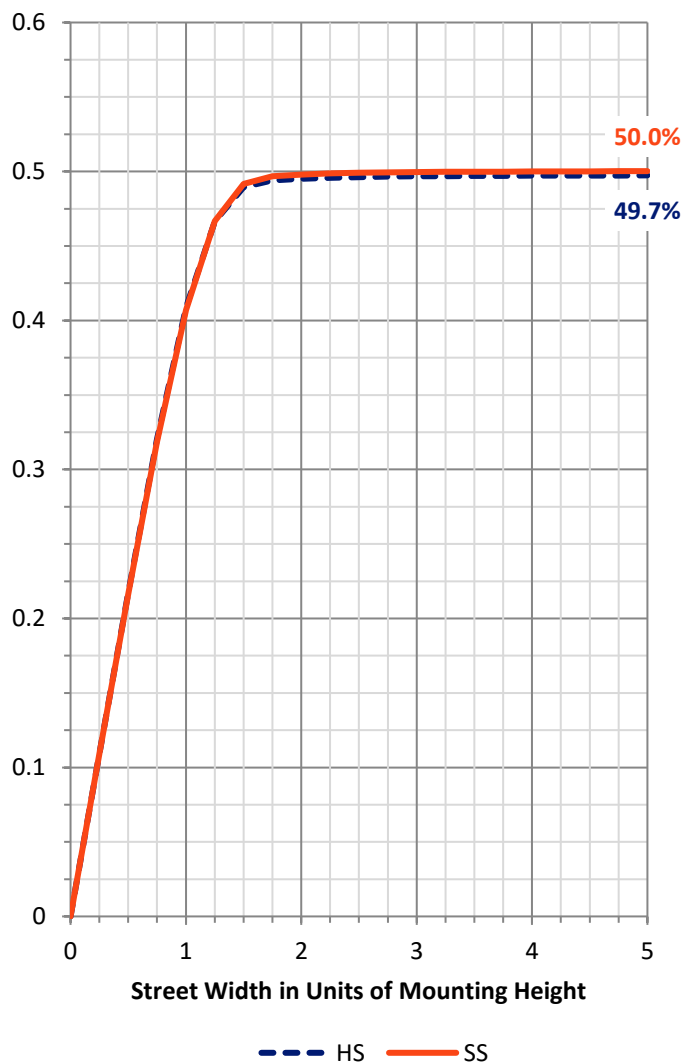
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3820.5	0.0	3820.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3820.5	0.0	3820.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7641.0	0.0	7641.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.4	1.4
10°-20°	363.2	4.8
20°-30°	741.9	9.7
30°-40°	1414.7	18.5
40°-50°	2384.0	31.2
50°-60°	2273.6	29.8
60°-70°	317.4	4.2
70°-80°	30.4	0.4
80°-90°	10.5	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°	7641.0	100.0
0°-180°	7641.0	100.0

**Coefficient of Utilization**



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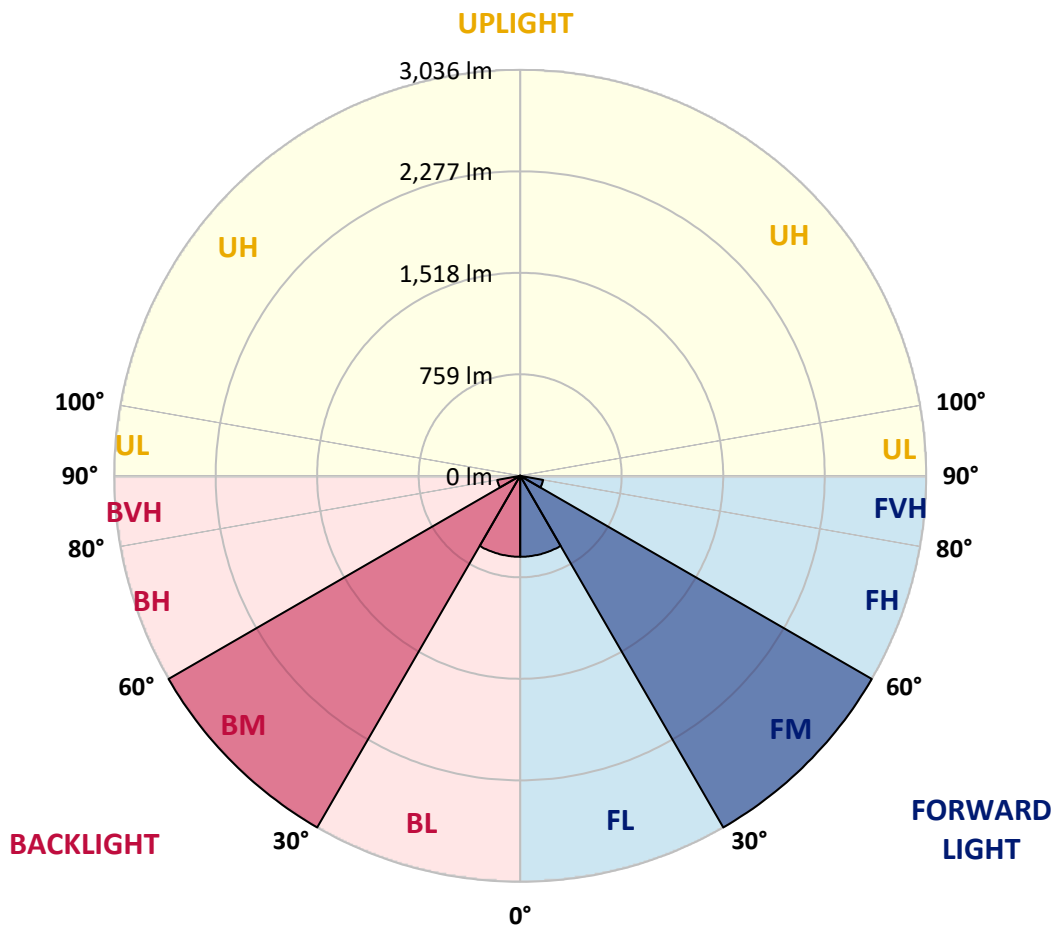
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.2	7.9			
FM (30°-60°)	3036.1	39.7			
FH (60°-80°)	173.9	2.3			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	605.2	7.9	B2/1000		
BM (30°-60°)	3036.1	39.7	B3/5000		
BH (60°-80°)	173.9	2.3	B1/500		G0/660
BVH (80°-90°)	5.2	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°	1059.3	1059.3	1059.3	1059.3	1059.3	1059.3	1059.3	1059.3	1059.3	1059.3	1059.3
2.5°	1055.5	1055.5	1054.2	1064.5	1059.3	1070.9	1069.6	1073.5	1077.3	1076.1	1086.3
5°	1046.5	1045.2	1045.2	1056.8	1068.3	1081.2	1092.8	1100.5	1113.3	1113.3	1126.2
7.5°	1055.5	1049.1	1058.1	1063.2	1085.1	1106.9	1126.2	1141.6	1171.2	1181.5	1177.6
10°	1058.1	1065.8	1072.2	1087.6	1114.6	1148.0	1164.8	1203.3	1236.8	1259.9	1265.0
12.5°	1074.8	1086.3	1104.3	1141.6	1166.0	1209.8	1232.9	1270.2	1316.5	1342.2	1360.2
15°	1106.9	1110.8	1133.9	1181.5	1234.2	1274.0	1310.0	1337.0	1382.0	1411.6	1412.9
17.5°	1148.0	1164.8	1196.9	1241.9	1297.2	1356.3	1384.6	1414.2	1430.9	1470.7	1479.7
20°	1230.3	1232.9	1263.8	1322.9	1392.3	1446.3	1466.9	1482.3	1475.9	1517.0	1524.7
22.5°	1307.5	1310.0	1348.6	1428.3	1502.9	1549.2	1558.2	1549.2	1529.9	1559.4	1562.0
25°	1385.9	1409.0	1437.3	1517.0	1609.6	1671.3	1672.6	1648.1	1608.3	1613.4	1626.3
27.5°	1508.0	1524.7	1554.3	1627.6	1729.1	1798.6	1787.0	1757.4	1706.0	1709.9	1706.0
30°	1650.7	1666.1	1690.6	1784.4	1859.0	1934.8	1951.6	1923.3	1846.1	1829.4	1848.7
32.5°	1823.0	1844.8	1889.8	1976.0	2039.0	2085.3	2096.8	2086.5	2014.5	2008.1	2021.0
35°	2032.5	2062.1	2103.3	2179.1	2230.5	2314.1	2314.1	2279.4	2213.8	2221.5	2220.2
37.5°	2253.7	2297.4	2361.7	2438.8	2508.2	2553.2	2539.1	2509.5	2443.9	2427.2	2443.9
40°	2531.4	2553.2	2634.2	2734.5	2819.3	2870.8	2810.3	2746.1	2589.2	2613.6	2658.6
42.5°	2784.6	2819.3	2881.0	2991.6	3088.0	3130.5	3058.5	2931.2	2742.2	2722.9	2756.3
45°	3000.6	3037.9	3118.9	3277.0	3378.6	3415.9	3256.4	3050.7	2834.8	2785.9	2800.1
47.5°	3144.6	3163.9	3277.0	3427.4	3520.0	3604.8	3376.0	3133.0	2878.5	2785.9	2780.8
50°	3089.3	3122.7	3255.2	3426.1	3594.6	3655.0	3436.4	3196.0	2892.6	2774.3	2758.9
52.5°	2743.5	2801.3	2949.2	3179.3	3433.9	3649.8	3520.0	3175.5	2887.5	2785.9	2809.1
55°	1909.1	1910.4	2090.4	2429.8	2879.8	3388.9	3397.9	3198.6	2920.9	2857.9	2859.2
57.5°	767.5	806.1	943.6	1284.3	1699.6	2326.9	2766.6	2967.2	2924.8	2909.3	2949.2
60°	194.1	195.4	237.8	362.5	597.8	997.6	1448.9	1960.6	2257.5	2359.1	2373.2
62.5°	99.0	100.3	110.6	128.6	163.3	267.4	475.7	754.7	1073.5	1235.5	1277.9
65°	81.0	81.0	87.4	96.4	97.7	102.8	123.4	176.1	255.8	290.5	294.4
67.5°	61.7	61.7	66.9	72.0	74.6	73.3	70.7	73.3	88.7	84.9	82.3
70°	38.6	39.9	42.4	47.6	50.1	51.4	52.7	55.3	63.0	65.6	63.0
72.5°	23.1	23.1	24.4	28.3	32.1	34.7	38.6	41.1	45.0	51.4	50.1
75°	10.3	10.3	12.9	16.7	20.6	24.4	28.3	32.1	34.7	38.6	39.9
77.5°	2.6	3.9	6.4	11.6	15.4	20.6	25.7	29.6	32.1	32.1	30.9
80°	1.3	1.3	5.1	9.0	16.7	21.9	28.3	30.9	34.7	32.1	28.3
82.5°	1.3	1.3	5.1	9.0	15.4	21.9	29.6	33.4	36.0	32.1	27.0
85°	0.0	1.3	3.9	7.7	12.9	15.4	12.9	9.0	5.1	5.1	3.9
87.5°	0.0	0.0	1.3	1.3	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)