

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: P527527

Luminaire Tested: **GALN-SA2C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527527  
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-740-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 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: 9137 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

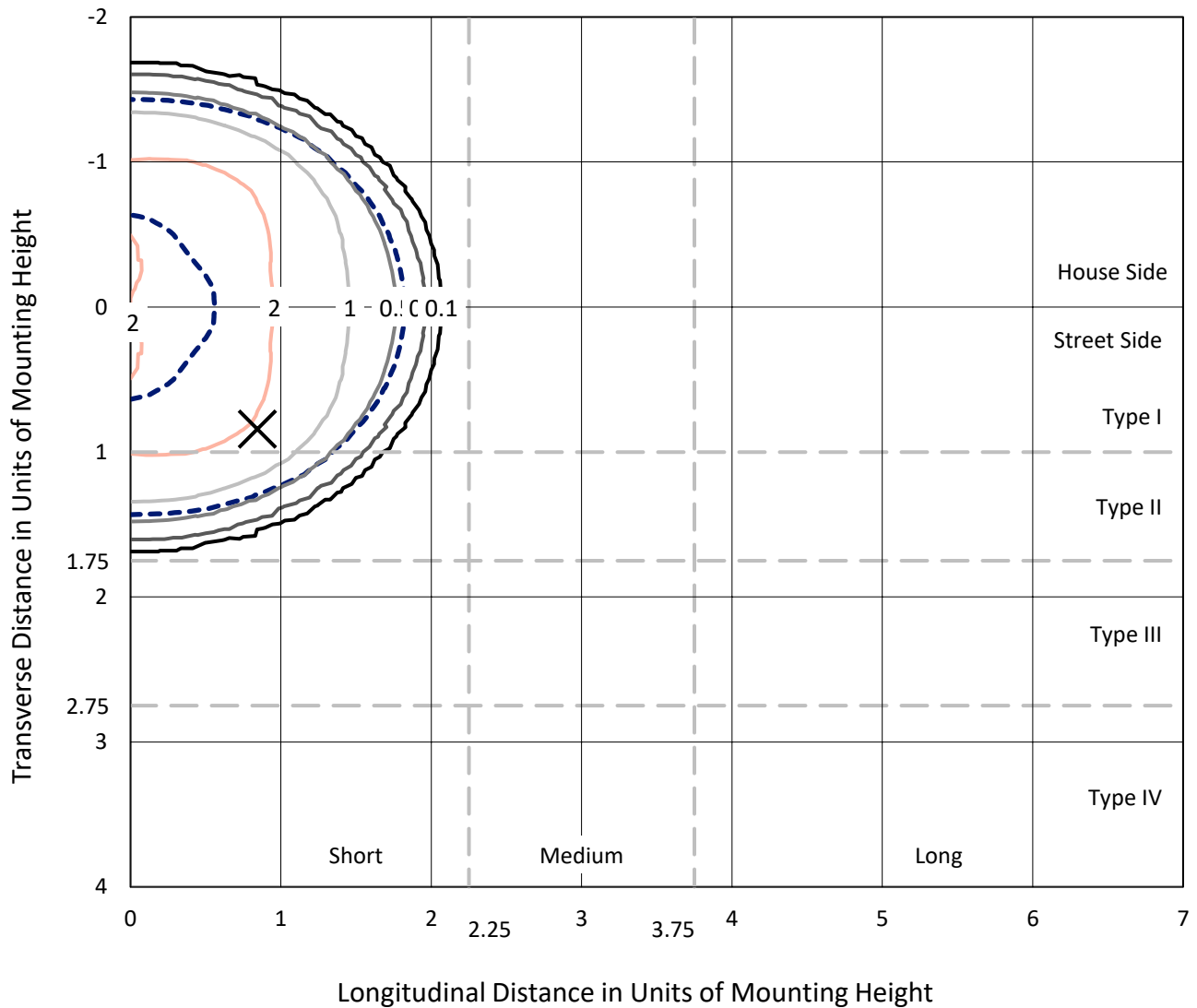
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

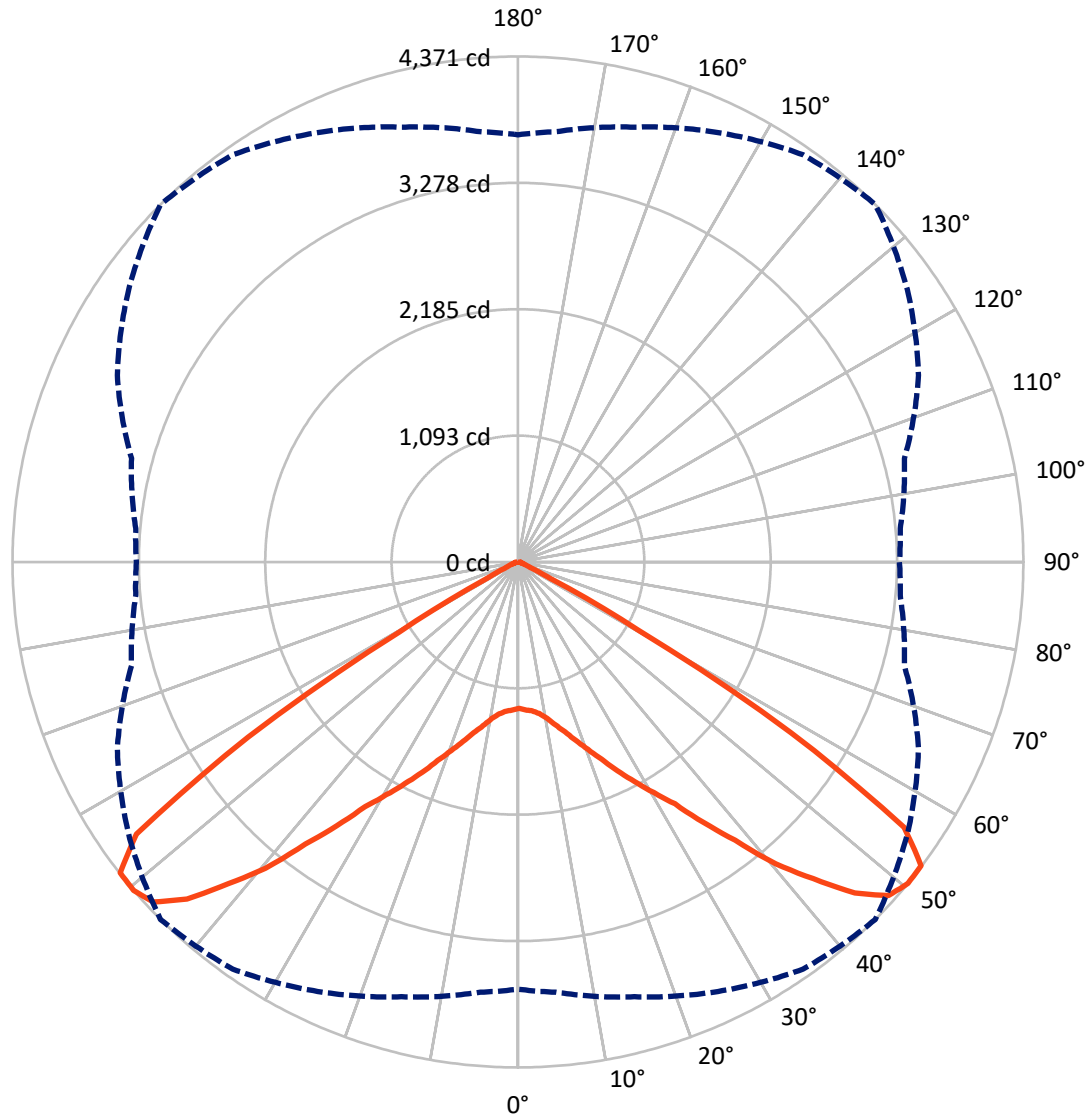
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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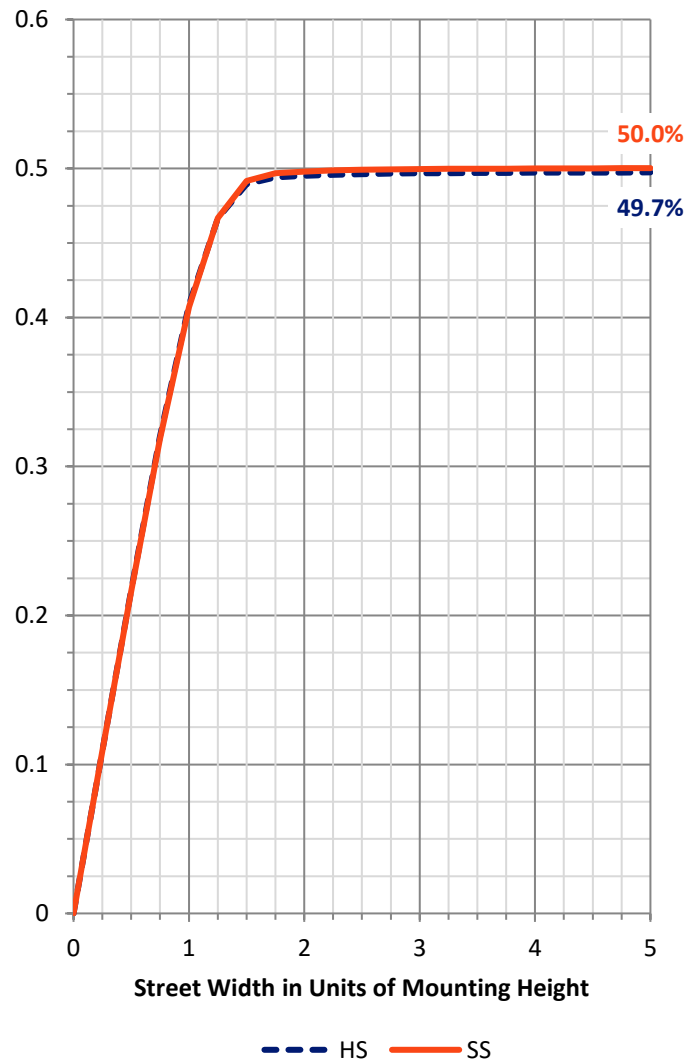
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4568.5	0.0	4568.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4568.5	0.0	4568.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9137.0	0.0	9137.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.0	1.4
10°-20°	434.3	4.8
20°-30°	887.1	9.7
30°-40°	1691.7	18.5
40°-50°	2850.8	31.2
50°-60°	2718.7	29.8
60°-70°	379.5	4.2
70°-80°	36.3	0.4
80°-90°	12.5	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°	9137.0	100.0
0°-180°	9137.0	100.0

**Coefficient of Utilization**



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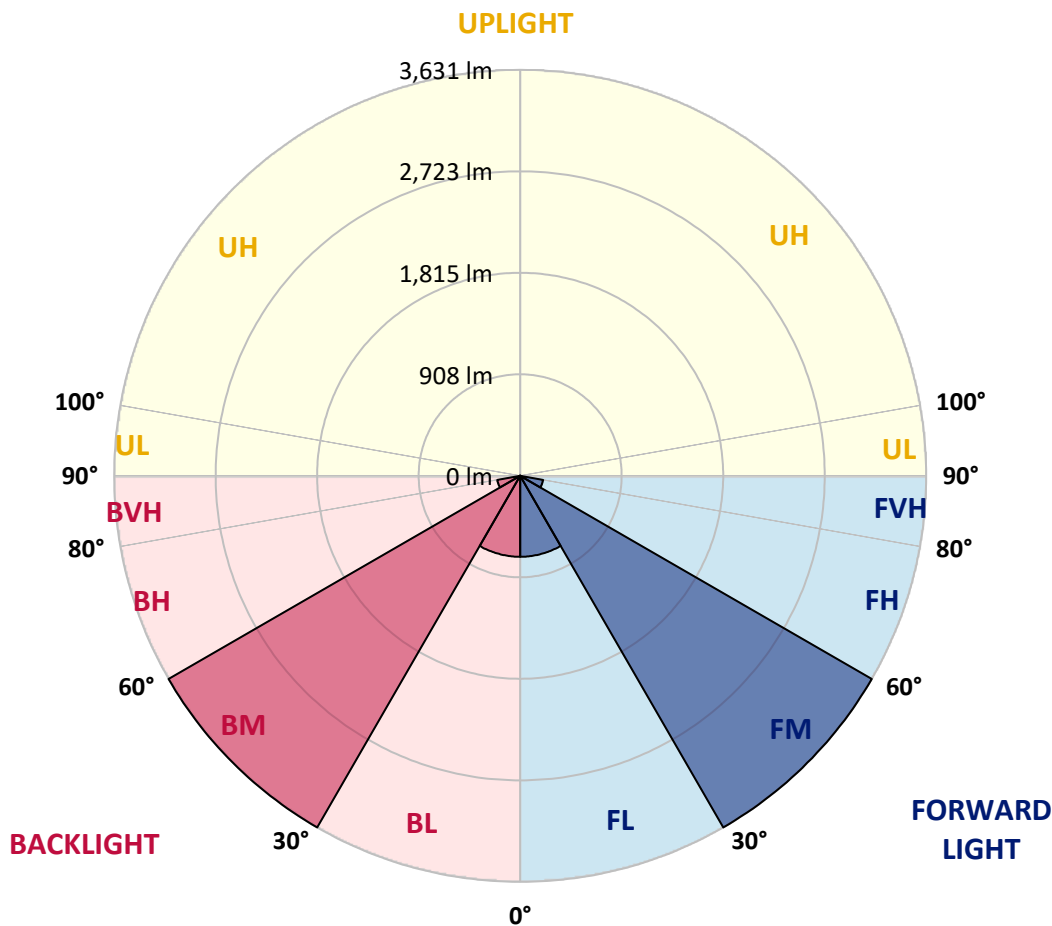
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.7	7.9			
FM (30°-60°)	3630.6	39.7			
FH (60°-80°)	207.9	2.3			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	723.7	7.9	B2/1000		
BM (30°-60°)	3630.6	39.7	B3/5000		
BH (60°-80°)	207.9	2.3	B1/500		G0/660
BVH (80°-90°)	6.3	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°	1266.7	1266.7	1266.7	1266.7	1266.7	1266.7	1266.7	1266.7	1266.7	1266.7	1266.7
2.5°	1262.1	1262.1	1260.6	1272.9	1266.7	1280.6	1279.0	1283.7	1288.3	1286.7	1299.0
5°	1251.4	1249.8	1249.8	1263.7	1277.5	1292.9	1306.7	1315.9	1331.3	1331.3	1346.7
7.5°	1262.1	1254.4	1265.2	1271.4	1297.5	1323.6	1346.7	1365.1	1400.5	1412.8	1408.2
10°	1265.2	1274.4	1282.1	1300.6	1332.8	1372.8	1392.8	1438.9	1478.9	1506.6	1512.7
12.5°	1285.2	1299.0	1320.6	1365.1	1394.3	1446.6	1474.3	1518.9	1574.2	1605.0	1626.5
15°	1323.6	1328.2	1355.9	1412.8	1475.8	1523.5	1566.5	1598.8	1652.6	1688.0	1689.5
17.5°	1372.8	1392.8	1431.2	1485.0	1551.1	1621.9	1655.7	1691.0	1711.0	1758.7	1769.4
20°	1471.2	1474.3	1511.2	1581.9	1664.9	1729.5	1754.1	1772.5	1764.8	1814.0	1823.3
22.5°	1563.4	1566.5	1612.6	1708.0	1797.1	1852.5	1863.2	1852.5	1829.4	1864.8	1867.8
25°	1657.2	1684.9	1718.7	1814.0	1924.7	1998.5	2000.0	1970.8	1923.2	1929.3	1944.7
27.5°	1803.3	1823.3	1858.6	1946.2	2067.7	2150.7	2136.9	2101.5	2040.0	2044.6	2040.0
30°	1973.9	1992.4	2021.6	2133.8	2223.0	2313.7	2333.6	2299.8	2207.6	2187.6	2210.7
32.5°	2179.9	2206.0	2259.8	2362.8	2438.2	2493.5	2507.4	2495.1	2409.0	2401.3	2416.7
35°	2430.5	2465.8	2515.0	2605.7	2667.2	2767.2	2767.2	2725.7	2647.3	2656.5	2654.9
37.5°	2694.9	2747.2	2824.0	2916.3	2999.3	3053.1	3036.2	3000.8	2922.4	2902.4	2922.4
40°	3027.0	3053.1	3150.0	3269.9	3371.3	3432.8	3360.6	3283.7	3096.1	3125.4	3179.2
42.5°	3329.8	3371.3	3445.1	3577.3	3692.6	3743.4	3657.3	3505.1	3279.1	3256.0	3296.0
45°	3588.1	3632.7	3729.5	3918.6	4040.1	4084.6	3894.0	3648.0	3389.8	3331.4	3348.3
47.5°	3760.3	3783.3	3918.6	4098.5	4209.2	4310.6	4037.0	3746.4	3442.0	3331.4	3325.2
50°	3694.2	3734.1	3892.5	4096.9	4298.3	4370.6	4109.2	3821.8	3459.0	3317.5	3299.1
52.5°	3280.6	3349.8	3526.6	3801.8	4106.2	4364.4	4209.2	3797.2	3452.8	3331.4	3359.0
55°	2282.9	2284.4	2499.7	2905.5	3443.6	4052.4	4063.1	3824.8	3492.8	3417.4	3419.0
57.5°	917.8	963.9	1128.4	1535.8	2032.3	2782.5	3308.3	3548.1	3497.4	3478.9	3526.6
60°	232.1	233.7	284.4	433.5	714.8	1193.0	1732.5	2344.4	2699.5	2821.0	2837.9
62.5°	118.4	119.9	132.2	153.7	195.2	319.8	568.8	902.4	1283.7	1477.4	1528.1
65°	96.9	96.9	104.5	115.3	116.8	123.0	147.6	210.6	305.9	347.4	352.0
67.5°	73.8	73.8	79.9	86.1	89.2	87.6	84.6	87.6	106.1	101.5	98.4
70°	46.1	47.7	50.7	56.9	60.0	61.5	63.0	66.1	75.3	78.4	75.3
72.5°	27.7	27.7	29.2	33.8	38.4	41.5	46.1	49.2	53.8	61.5	60.0
75°	12.3	12.3	15.4	20.0	24.6	29.2	33.8	38.4	41.5	46.1	47.7
77.5°	3.1	4.6	7.7	13.8	18.4	24.6	30.7	35.4	38.4	38.4	36.9
80°	1.5	1.5	6.1	10.8	20.0	26.1	33.8	36.9	41.5	38.4	33.8
82.5°	1.5	1.5	6.1	10.8	18.4	26.1	35.4	40.0	43.0	38.4	32.3
85°	0.0	1.5	4.6	9.2	15.4	18.4	15.4	10.8	6.1	6.1	4.6
87.5°	0.0	0.0	1.5	1.5	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)