

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: P527493

Luminaire Tested: **GALN-SA2C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7904 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

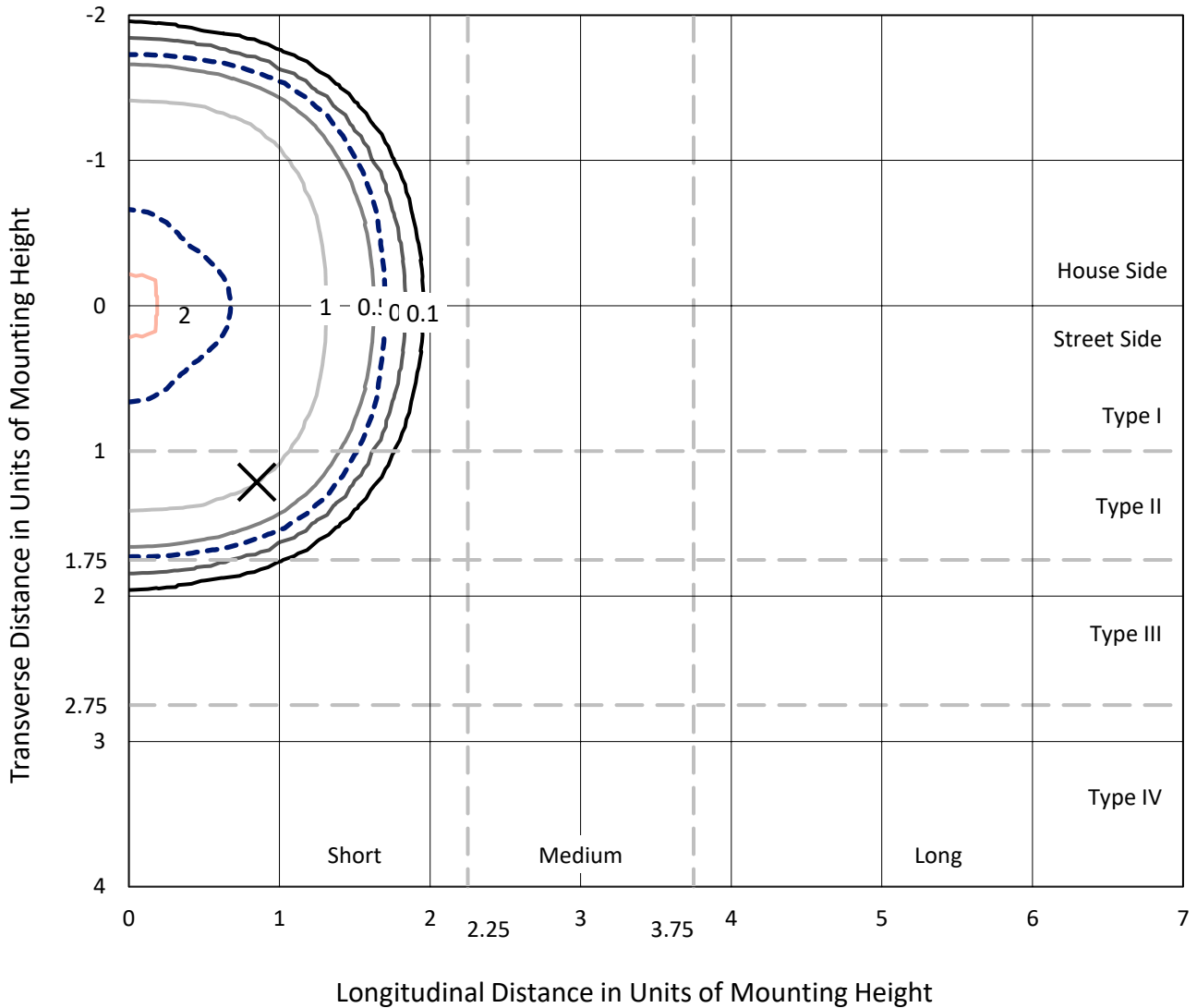
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

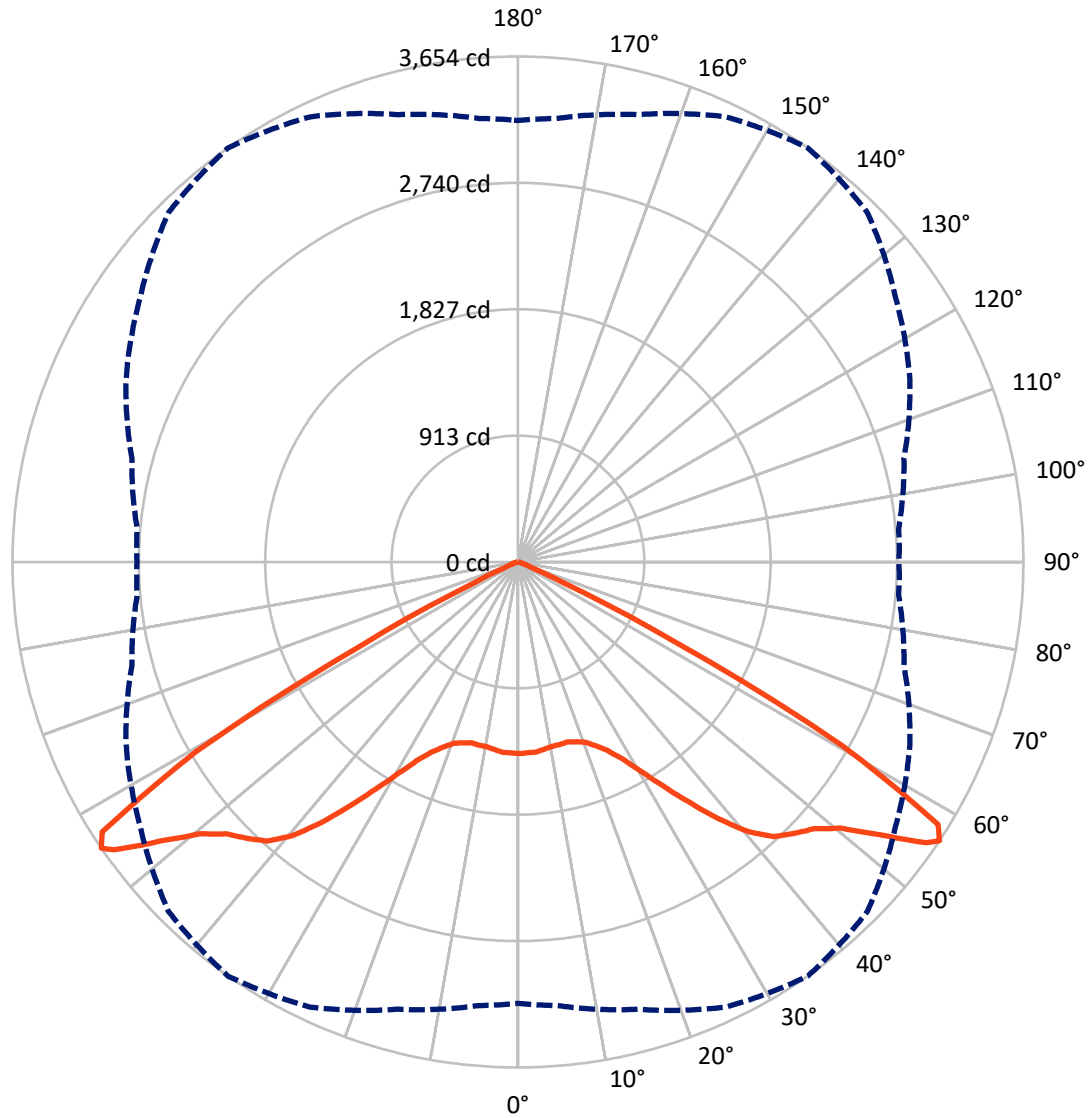
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3952.0	0.0	3952.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3952.0	0.0	3952.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7904.0	0.0	7904.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.2	1.6
10°-20°	380.0	4.8
20°-30°	688.2	8.7
30°-40°	1276.1	16.1
40°-50°	2094.6	26.5
50°-60°	2698.5	34.1
60°-70°	594.7	7.5
70°-80°	34.5	0.4
80°-90°	7.3	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°	7904.0	100.0
0°-180°	7904.0	100.0

**Coefficient of Utilization**

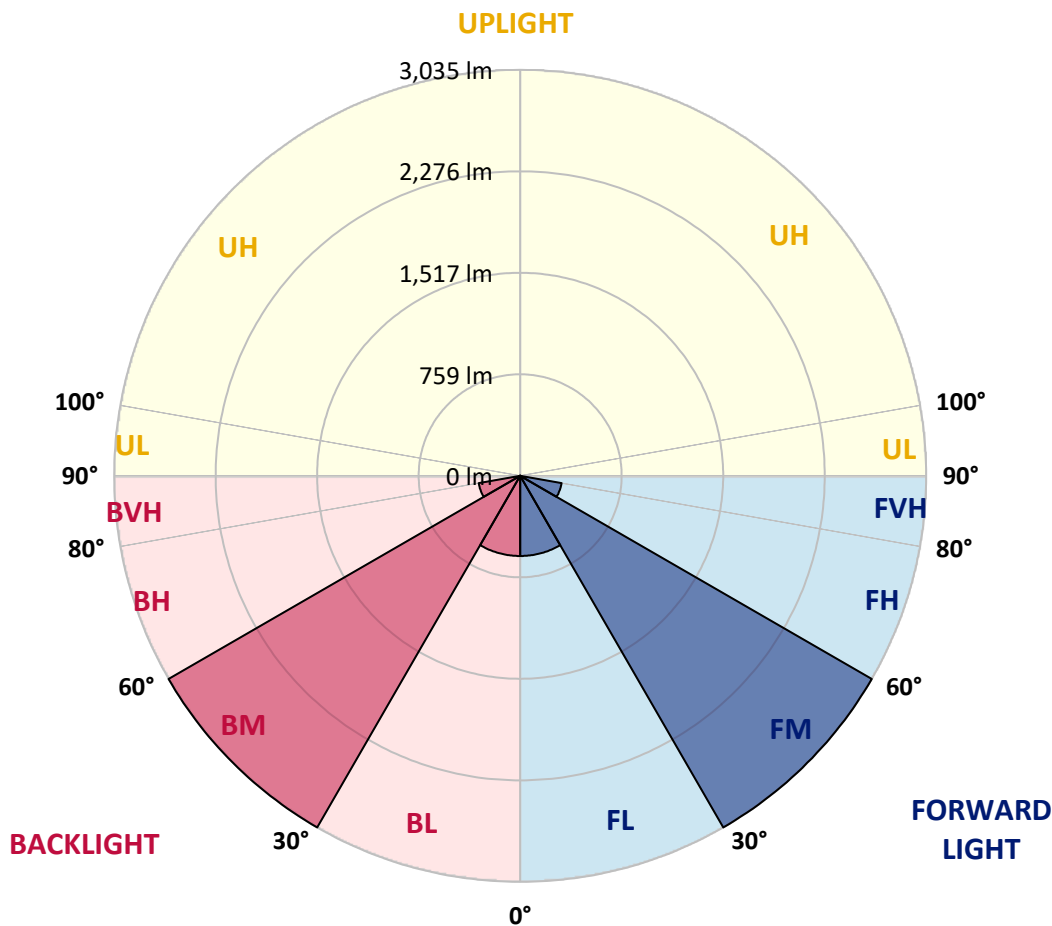


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.2	7.6			
FM (30°-60°)	3034.6	38.4			
FH (60°-80°)	314.6	4.0			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	599.2	7.6	B2/1000		
BM (30°-60°)	3034.6	38.4	B3/5000		
BH (60°-80°)	314.6	4.0	B1/500		G0/660
BVH (80°-90°)	3.6	0.0			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°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1387.8	1387.8	1389.2	1390.7	1380.7	1376.4	1377.8	1374.9	1373.5	1377.8	1377.8
5°	1383.5	1383.5	1379.2	1380.7	1380.7	1367.8	1367.8	1370.6	1370.6	1362.0	1359.2
7.5°	1372.1	1369.2	1363.5	1370.6	1366.3	1366.3	1356.3	1349.1	1346.3	1352.0	1346.3
10°	1347.7	1349.1	1354.9	1357.7	1354.9	1363.5	1346.3	1336.3	1326.2	1321.9	1321.9
12.5°	1336.3	1344.8	1336.3	1343.4	1353.4	1346.3	1336.3	1329.1	1314.8	1309.0	1309.0
15°	1334.8	1340.6	1343.4	1353.4	1349.1	1352.0	1332.0	1323.4	1301.9	1291.9	1287.6
17.5°	1333.4	1340.6	1344.8	1363.5	1366.3	1367.8	1352.0	1326.2	1307.6	1297.6	1287.6
20°	1349.1	1352.0	1360.6	1379.2	1390.7	1410.7	1382.1	1354.9	1314.8	1303.3	1299.0
22.5°	1369.2	1383.5	1392.1	1412.2	1442.2	1459.4	1422.2	1387.8	1346.3	1332.0	1314.8
25°	1433.6	1430.8	1445.1	1486.6	1511.0	1523.9	1493.8	1443.7	1389.2	1372.1	1374.9
27.5°	1513.9	1516.7	1529.6	1575.4	1611.2	1631.3	1595.5	1529.6	1476.6	1448.0	1445.1
30°	1618.4	1615.5	1629.9	1691.4	1755.9	1786.0	1723.0	1645.6	1594.1	1556.8	1565.4
32.5°	1728.7	1730.1	1770.2	1826.1	1930.6	1989.3	1887.7	1793.1	1715.8	1690.0	1677.1
35°	1892.0	1899.1	1930.6	2016.6	2132.6	2208.5	2096.8	1983.6	1894.8	1847.6	1853.3
37.5°	2093.9	2086.7	2139.7	2232.8	2354.6	2410.4	2315.9	2187.0	2096.8	2065.3	2085.3
40°	2308.7	2315.9	2343.1	2427.6	2563.7	2600.9	2460.5	2390.4	2311.6	2295.8	2320.2
42.5°	2523.6	2519.3	2539.3	2615.2	2714.0	2688.3	2605.2	2563.7	2507.8	2476.3	2509.2
45°	2681.1	2673.9	2711.2	2762.7	2798.5	2749.9	2712.6	2698.3	2669.6	2635.3	2665.3
47.5°	2834.4	2828.6	2864.4	2878.7	2881.6	2817.2	2824.3	2850.1	2778.5	2706.9	2741.3
50°	2964.7	2954.7	2999.1	3030.6	3023.4	2920.3	2946.1	2920.3	2808.6	2724.1	2711.2
52.5°	3182.4	3186.7	3233.9	3291.2	3274.0	3188.1	3150.9	3033.4	2890.2	2814.3	2769.9
55°	3319.9	3298.4	3380.0	3561.9	3582.0	3493.2	3328.5	3155.2	2940.3	2847.2	2835.8
56°	3191.0	3218.2	3347.1	3550.5	3653.6	3571.9	3332.8	3125.1	2888.8	2762.7	2754.1
57.5°	2863.0	2848.7	3023.4	3301.3	3582.0	3547.6	3215.3	2910.3	2635.3	2493.5	2476.3
60°	1781.7	1823.2	1976.5	2320.2	2695.4	2712.6	2383.2	2121.1	1800.3	1674.3	1704.3
62.5°	697.5	661.7	757.6	1014.0	1271.8	1329.1	1204.5	1001.1	822.1	697.5	688.9
65°	161.8	157.5	177.6	244.9	342.3	396.7	376.7	270.7	199.1	189.1	174.7
67.5°	91.7	91.7	87.4	87.4	96.0	101.7	97.4	96.0	100.3	104.6	103.1
70°	64.4	63.0	60.2	61.6	58.7	58.7	63.0	70.2	75.9	75.9	77.3
72.5°	38.7	38.7	38.7	43.0	43.0	43.0	47.3	53.0	54.4	53.0	51.6
75°	17.2	17.2	20.1	24.3	27.2	28.6	32.9	35.8	38.7	35.8	32.9
77.5°	4.3	4.3	7.2	10.0	12.9	15.8	21.5	25.8	27.2	25.8	21.5
80°	1.4	1.4	2.9	7.2	12.9	15.8	21.5	22.9	24.3	21.5	17.2
82.5°	1.4	1.4	2.9	7.2	10.0	12.9	17.2	20.1	21.5	18.6	17.2
85°	0.0	1.4	2.9	5.7	8.6	11.5	11.5	8.6	7.2	4.3	5.7
87.5°	0.0	0.0	1.4	1.4	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)