

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: P527467

Luminaire Tested: **GALN-SA2C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527467  
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-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 7727 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

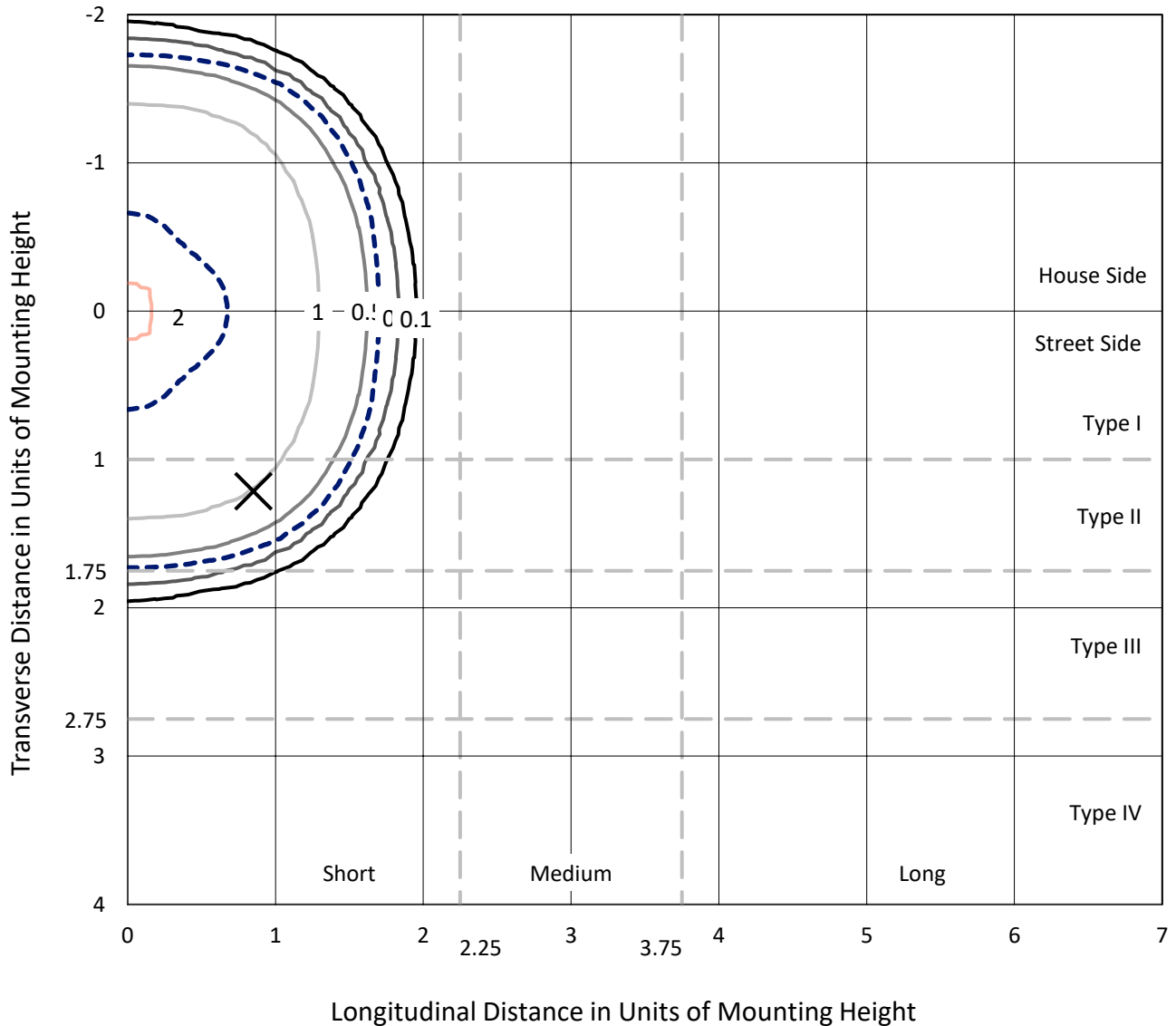
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

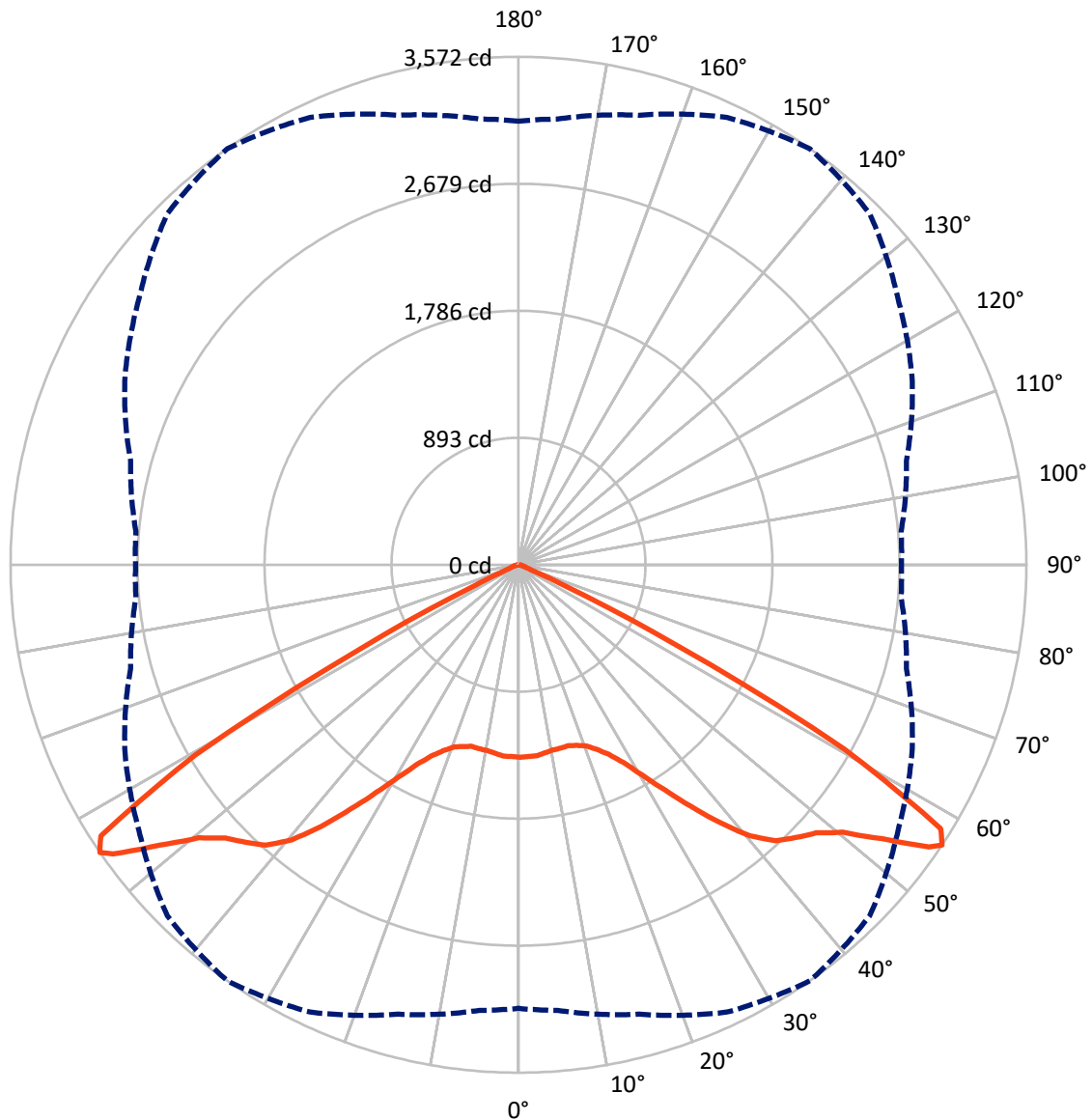
× Max cd  
 - - - 1/2 Max cd



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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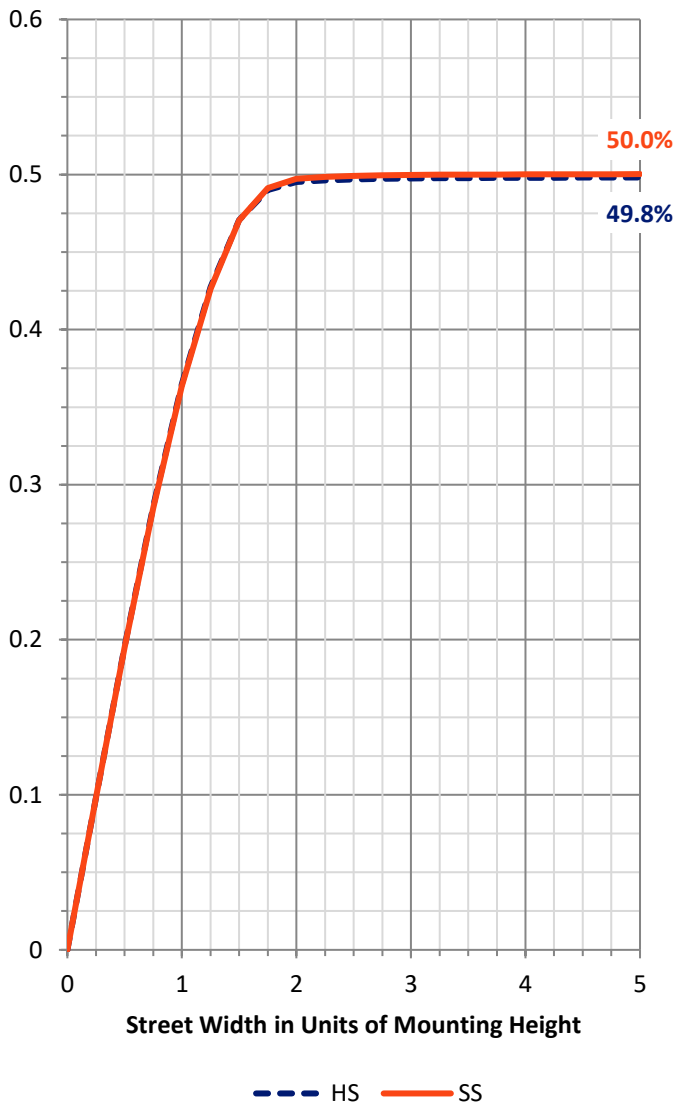
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3863.5	0.0	3863.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3863.5	0.0	3863.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7727.0	0.0	7727.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.2	1.6
10°-20°	371.5	4.8
20°-30°	672.7	8.7
30°-40°	1247.5	16.1
40°-50°	2047.7	26.5
50°-60°	2638.1	34.1
60°-70°	581.4	7.5
70°-80°	33.7	0.4
80°-90°	7.1	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°	7727.0	100.0
0°-180°	7727.0	100.0

**Coefficient of Utilization**

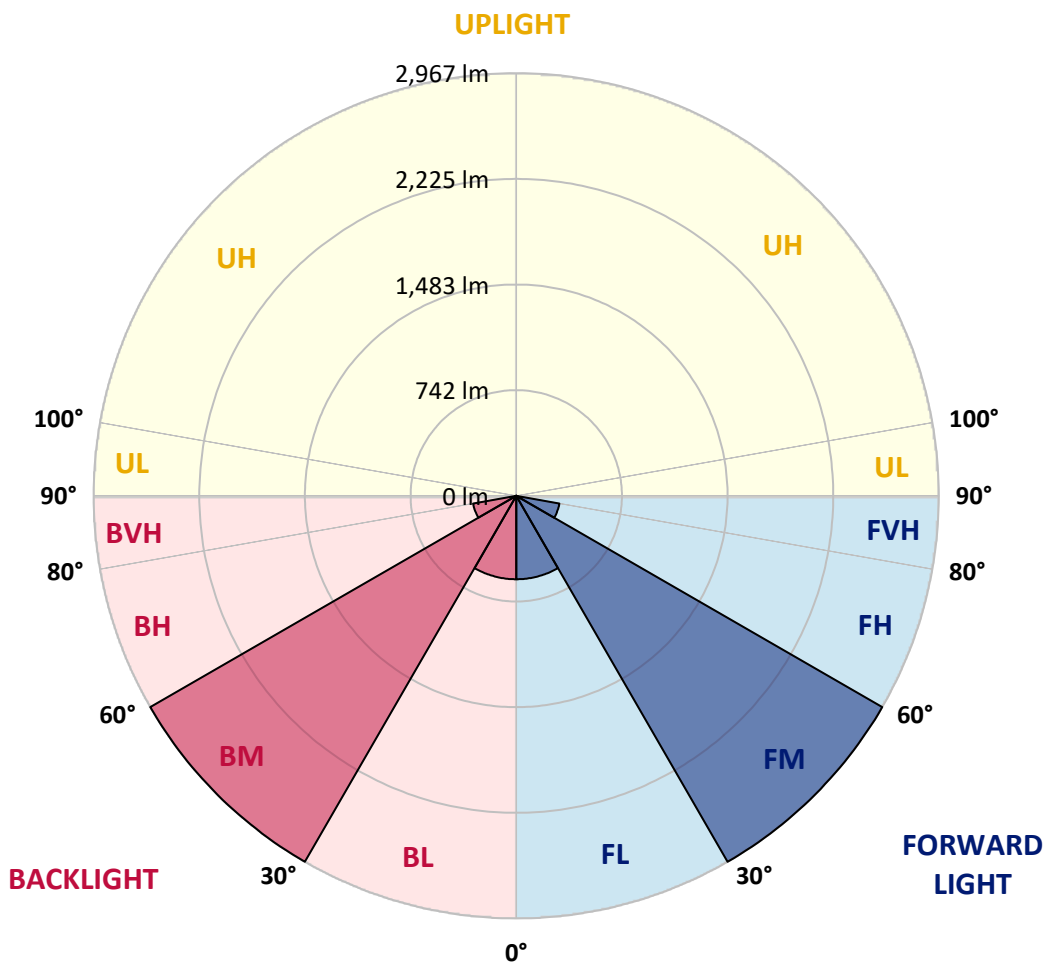


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.7	7.6			
FM (30°-60°)	2966.6	38.4			
FH (60°-80°)	307.6	4.0			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	585.7	7.6	B2/1000		
BM (30°-60°)	2966.6	38.4	B3/5000		
BH (60°-80°)	307.6	4.0	B1/500		G0/660
BVH (80°-90°)	3.5	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°	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9	1353.9
2.5°	1356.7	1356.7	1358.1	1359.5	1349.7	1345.5	1346.9	1344.1	1342.7	1346.9	1346.9
5°	1352.5	1352.5	1348.3	1349.7	1349.7	1337.1	1337.1	1339.9	1339.9	1331.5	1328.7
7.5°	1341.3	1338.5	1332.9	1339.9	1335.7	1335.7	1325.9	1318.9	1316.1	1321.7	1316.1
10°	1317.5	1318.9	1324.5	1327.3	1324.5	1332.9	1316.1	1306.3	1296.5	1292.3	1292.3
12.5°	1306.3	1314.7	1306.3	1313.3	1323.1	1316.1	1306.3	1299.3	1285.3	1279.7	1279.7
15°	1304.9	1310.5	1313.3	1323.1	1318.9	1321.7	1302.1	1293.7	1272.7	1262.9	1258.7
17.5°	1303.5	1310.5	1314.7	1332.9	1335.7	1337.1	1321.7	1296.5	1278.3	1268.5	1258.7
20°	1318.9	1321.7	1330.1	1348.3	1359.5	1379.1	1351.1	1324.5	1285.3	1274.1	1269.9
22.5°	1338.5	1352.5	1360.9	1380.5	1409.9	1426.7	1390.3	1356.7	1316.1	1302.1	1285.3
25°	1401.5	1398.7	1412.7	1453.3	1477.1	1489.8	1460.3	1411.3	1358.1	1341.3	1344.1
27.5°	1479.9	1482.7	1495.4	1540.2	1575.2	1594.8	1559.8	1495.4	1443.5	1415.5	1412.7
30°	1582.2	1579.4	1593.4	1653.6	1716.6	1746.0	1684.4	1608.8	1558.4	1522.0	1530.4
32.5°	1690.0	1691.4	1730.6	1785.2	1887.4	1944.8	1845.4	1753.0	1677.4	1652.2	1639.6
35°	1849.6	1856.6	1887.4	1971.4	2084.8	2159.0	2049.8	1939.2	1852.4	1806.2	1811.8
37.5°	2047.0	2040.0	2091.8	2182.8	2301.8	2356.4	2264.0	2138.0	2049.8	2019.0	2038.6
40°	2257.0	2264.0	2290.6	2373.2	2506.3	2542.7	2405.4	2336.8	2259.8	2244.4	2268.2
42.5°	2467.0	2462.8	2482.5	2556.7	2653.3	2628.1	2546.9	2506.3	2451.6	2420.8	2453.0
45°	2621.1	2614.1	2650.5	2700.9	2735.9	2688.3	2651.9	2637.9	2609.9	2576.3	2605.7
47.5°	2770.9	2765.3	2800.3	2814.3	2817.1	2754.1	2761.1	2786.3	2716.3	2646.3	2679.9
50°	2898.3	2888.5	2931.9	2962.7	2955.7	2854.9	2880.1	2854.9	2745.7	2663.1	2650.5
52.5°	3111.1	3115.3	3161.5	3217.5	3200.7	3116.7	3080.3	2965.5	2825.5	2751.3	2707.9
55°	3245.5	3224.5	3304.3	3482.2	3501.8	3414.9	3253.9	3084.5	2874.5	2783.5	2772.3
56°	3119.5	3146.1	3272.1	3471.0	3571.8	3492.0	3258.1	3055.1	2824.1	2700.9	2692.5
57.5°	2798.9	2784.9	2955.7	3227.3	3501.8	3468.1	3143.3	2845.1	2576.3	2437.6	2420.8
60°	1741.8	1782.4	1932.2	2268.2	2635.1	2651.9	2329.8	2073.6	1760.0	1636.8	1666.2
62.5°	681.9	646.9	740.7	991.3	1243.3	1299.3	1177.5	978.7	803.7	681.9	673.5
65°	158.2	154.0	173.6	239.4	334.6	387.8	368.2	264.6	194.6	184.8	170.8
67.5°	89.6	89.6	85.4	85.4	93.8	99.4	95.2	93.8	98.0	102.2	100.8
70°	63.0	61.6	58.8	60.2	57.4	57.4	61.6	68.6	74.2	74.2	75.6
72.5°	37.8	37.8	37.8	42.0	42.0	42.0	46.2	51.8	53.2	51.8	50.4
75°	16.8	16.8	19.6	23.8	26.6	28.0	32.2	35.0	37.8	35.0	32.2
77.5°	4.2	4.2	7.0	9.8	12.6	15.4	21.0	25.2	26.6	25.2	21.0
80°	1.4	1.4	2.8	7.0	12.6	15.4	21.0	22.4	23.8	21.0	16.8
82.5°	1.4	1.4	2.8	7.0	9.8	12.6	16.8	19.6	21.0	18.2	16.8
85°	0.0	1.4	2.8	5.6	8.4	11.2	11.2	8.4	7.0	4.2	5.6
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)