

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: P527475

Luminaire Tested: **GALN-SA2C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527475  
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-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 8320.9 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

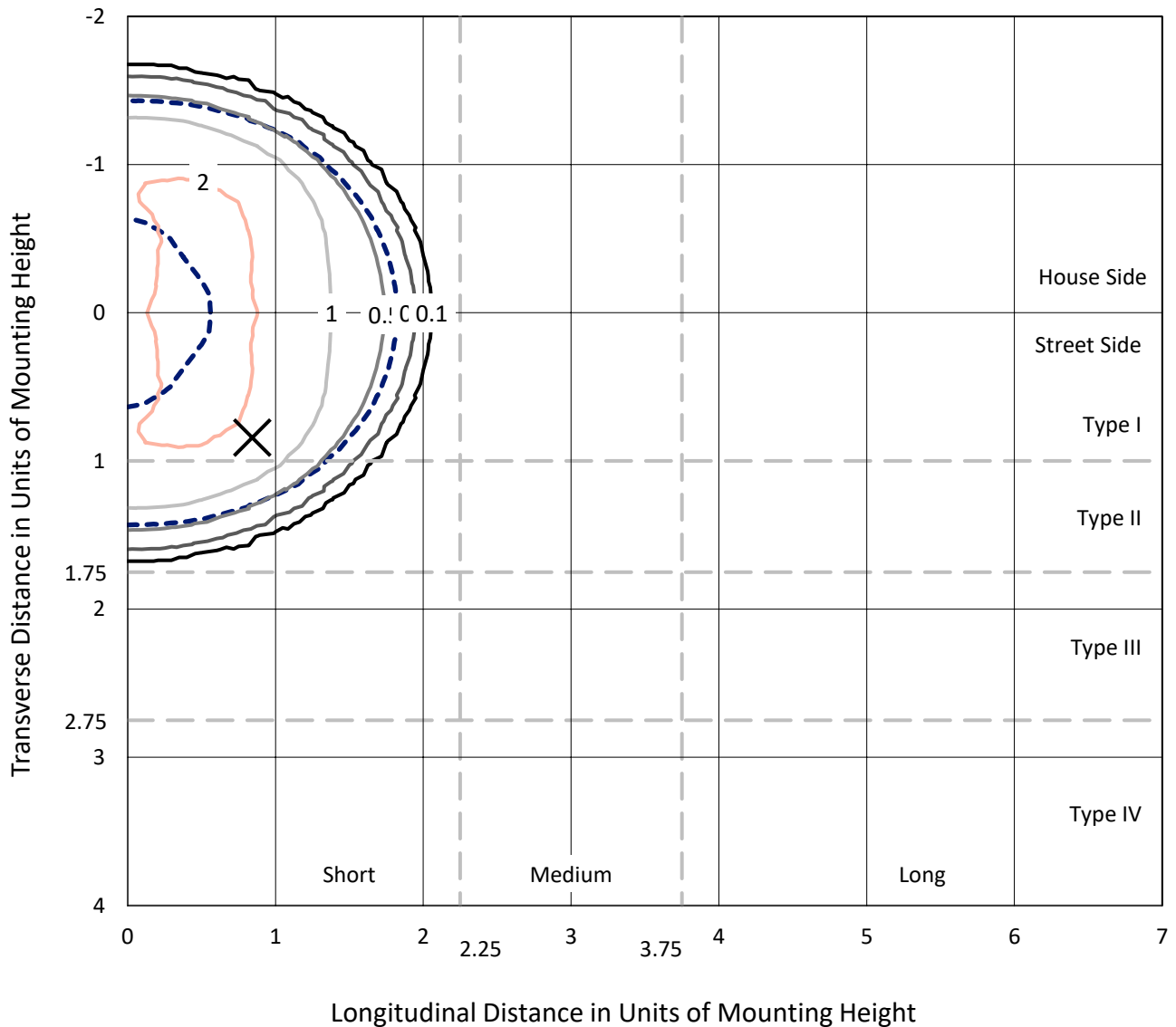
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

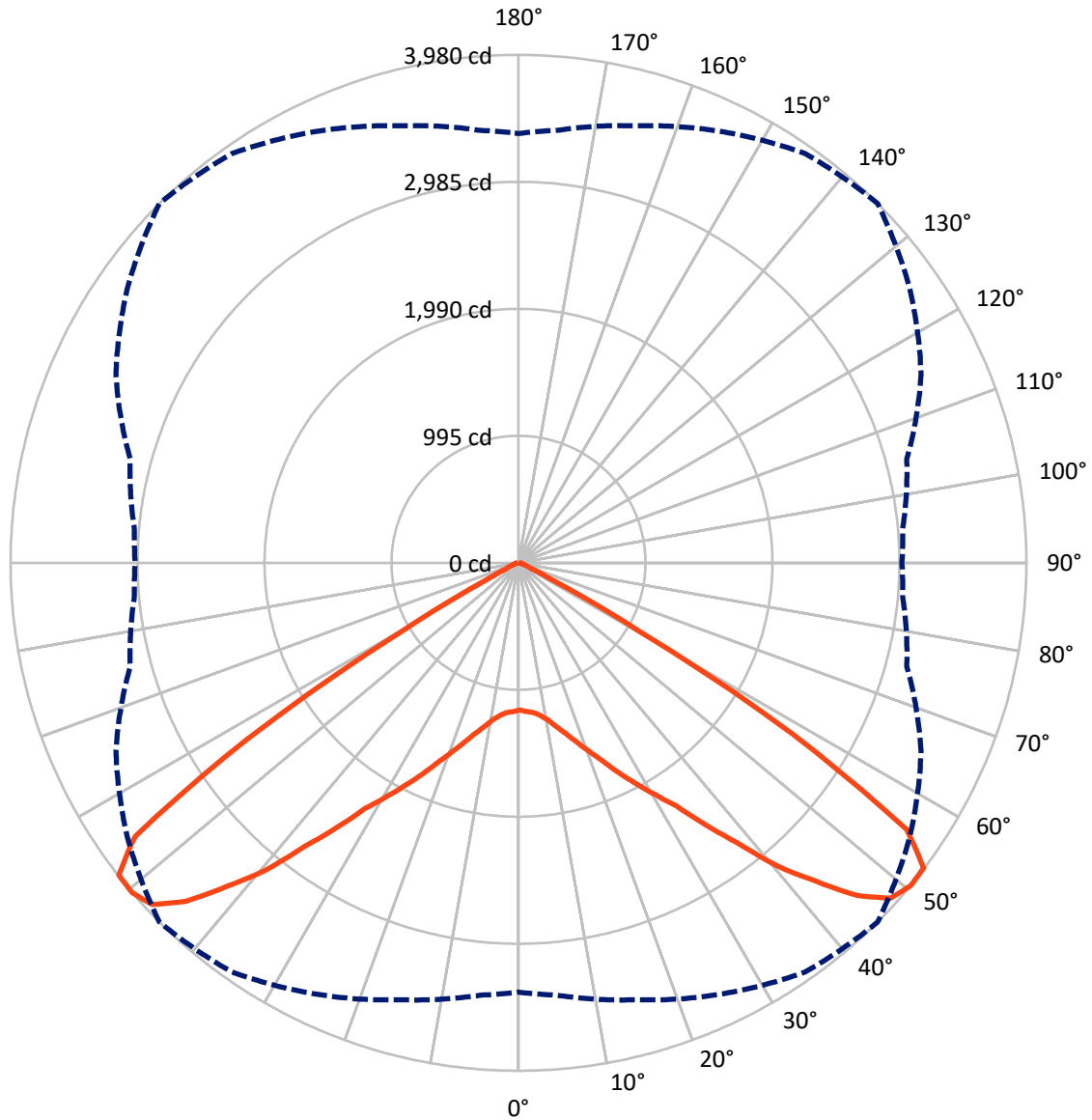
✕ Max cd  
 - - - 1/2 Max cd



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

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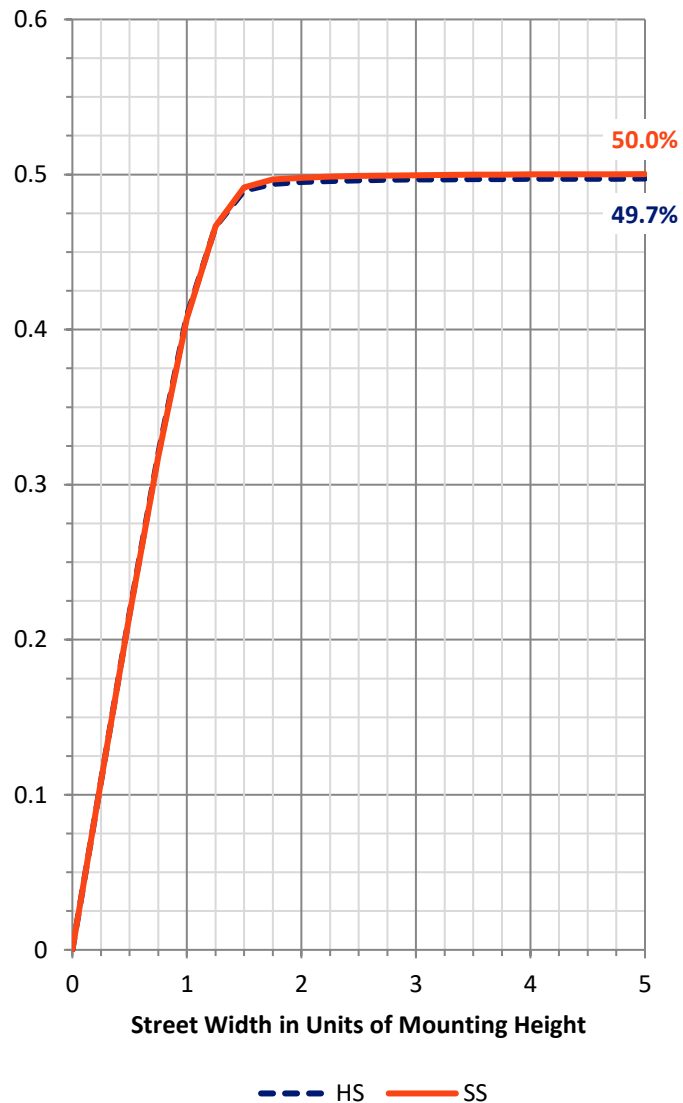
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4160.5	0.0	4160.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4160.5	0.0	4160.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8320.9	0.0	8320.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.8	1.4
10°-20°	395.5	4.8
20°-30°	807.9	9.7
30°-40°	1540.6	18.5
40°-50°	2596.1	31.2
50°-60°	2475.9	29.8
60°-70°	345.6	4.2
70°-80°	33.1	0.4
80°-90°	11.4	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°	8320.9	100.0
0°-180°	8320.9	100.0

**Coefficient of Utilization**

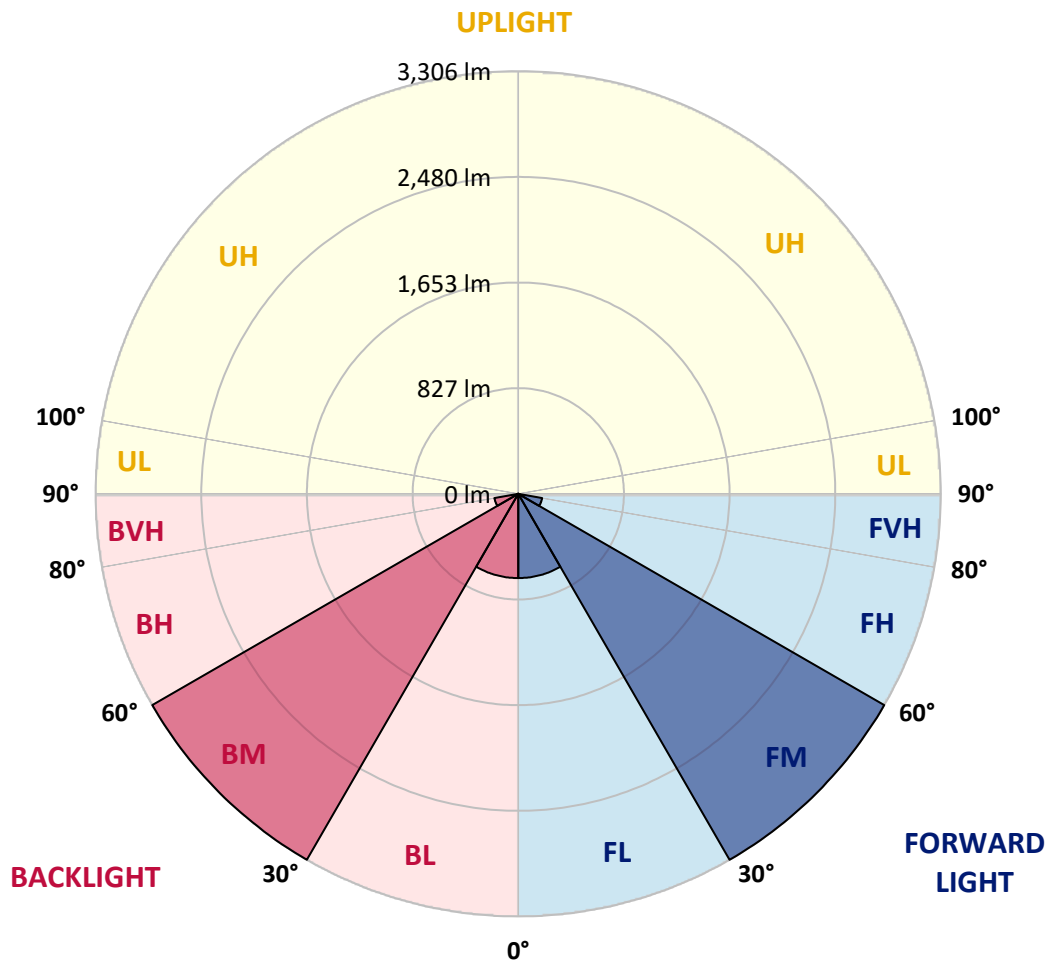


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.1	7.9			
FM (30°-60°)	3306.3	39.7			
FH (60°-80°)	189.3	2.3			G0/660
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	659.1	7.9	B2/1000		
BM (30°-60°)	3306.3	39.7	B3/5000		
BH (60°-80°)	189.3	2.3	B1/500		G0/660
BVH (80°-90°)	5.7	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°	1153.6	1153.6	1153.6	1153.6	1153.6	1153.6	1153.6	1153.6	1153.6	1153.6	1153.6
2.5°	1149.4	1149.4	1148.0	1159.2	1153.6	1166.2	1164.8	1169.0	1173.2	1171.8	1183.0
5°	1139.6	1138.2	1138.2	1150.8	1163.4	1177.4	1190.0	1198.4	1212.4	1212.4	1226.4
7.5°	1149.4	1142.4	1152.2	1157.8	1181.6	1205.4	1226.4	1243.2	1275.4	1286.6	1282.4
10°	1152.2	1160.6	1167.6	1184.4	1213.8	1250.2	1268.4	1310.4	1346.8	1372.0	1377.6
12.5°	1170.4	1183.0	1202.6	1243.2	1269.8	1317.4	1342.6	1383.2	1433.6	1461.6	1481.2
15°	1205.4	1209.6	1234.8	1286.6	1344.0	1387.4	1426.6	1456.0	1505.0	1537.2	1538.6
17.5°	1250.2	1268.4	1303.4	1352.4	1412.6	1477.0	1507.8	1540.0	1558.2	1601.6	1611.4
20°	1339.8	1342.6	1376.2	1440.6	1516.2	1575.0	1597.4	1614.2	1607.2	1652.0	1660.4
22.5°	1423.8	1426.6	1468.6	1555.4	1636.6	1687.0	1696.8	1687.0	1666.0	1698.2	1701.0
25°	1509.2	1534.4	1565.2	1652.0	1752.8	1820.0	1821.4	1794.8	1751.4	1757.0	1771.0
27.5°	1642.2	1660.4	1692.6	1772.4	1883.0	1958.6	1946.0	1913.8	1857.8	1862.0	1857.8
30°	1797.6	1814.4	1841.0	1943.2	2024.4	2107.0	2125.2	2094.4	2010.4	1992.2	2013.2
32.5°	1985.2	2009.0	2058.0	2151.8	2220.4	2270.8	2283.4	2272.2	2193.8	2186.8	2200.8
35°	2213.4	2245.6	2290.4	2373.0	2429.0	2520.0	2520.0	2482.2	2410.8	2419.2	2417.8
37.5°	2454.2	2501.8	2571.8	2655.8	2731.4	2780.4	2765.0	2732.8	2661.4	2643.2	2661.4
40°	2756.6	2780.4	2868.6	2977.8	3070.2	3126.2	3060.4	2990.4	2819.6	2846.2	2895.2
42.5°	3032.4	3070.2	3137.4	3257.8	3362.8	3409.0	3330.6	3192.0	2986.2	2965.2	3001.6
45°	3267.6	3308.2	3396.4	3568.6	3679.2	3719.8	3546.2	3322.2	3087.0	3033.8	3049.2
47.5°	3424.4	3445.4	3568.6	3732.4	3833.3	3925.7	3676.4	3411.8	3134.6	3033.8	3028.2
50°	3364.2	3400.6	3544.8	3731.0	3914.5	3980.3	3742.2	3480.4	3150.0	3021.2	3004.4
52.5°	2987.6	3050.6	3211.6	3462.2	3739.4	3974.7	3833.3	3458.0	3144.4	3033.8	3059.0
55°	2079.0	2080.4	2276.4	2646.0	3136.0	3690.4	3700.2	3483.2	3180.8	3112.2	3113.6
57.5°	835.8	877.8	1027.6	1398.6	1850.8	2534.0	3012.8	3231.2	3185.0	3168.2	3211.6
60°	211.4	212.8	259.0	394.8	651.0	1086.4	1577.8	2135.0	2458.4	2569.0	2584.4
62.5°	107.8	109.2	120.4	140.0	177.8	291.2	518.0	821.8	1169.0	1345.4	1391.6
65°	88.2	88.2	95.2	105.0	106.4	112.0	134.4	191.8	278.6	316.4	320.6
67.5°	67.2	67.2	72.8	78.4	81.2	79.8	77.0	79.8	96.6	92.4	89.6
70°	42.0	43.4	46.2	51.8	54.6	56.0	57.4	60.2	68.6	71.4	68.6
72.5°	25.2	25.2	26.6	30.8	35.0	37.8	42.0	44.8	49.0	56.0	54.6
75°	11.2	11.2	14.0	18.2	22.4	26.6	30.8	35.0	37.8	42.0	43.4
77.5°	2.8	4.2	7.0	12.6	16.8	22.4	28.0	32.2	35.0	35.0	33.6
80°	1.4	1.4	5.6	9.8	18.2	23.8	30.8	33.6	37.8	35.0	30.8
82.5°	1.4	1.4	5.6	9.8	16.8	23.8	32.2	36.4	39.2	35.0	29.4
85°	0.0	1.4	4.2	8.4	14.0	16.8	14.0	9.8	5.6	5.6	4.2
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)