

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: P527549

Luminaire Tested: **GALN-SA2C-750-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-750-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7375 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

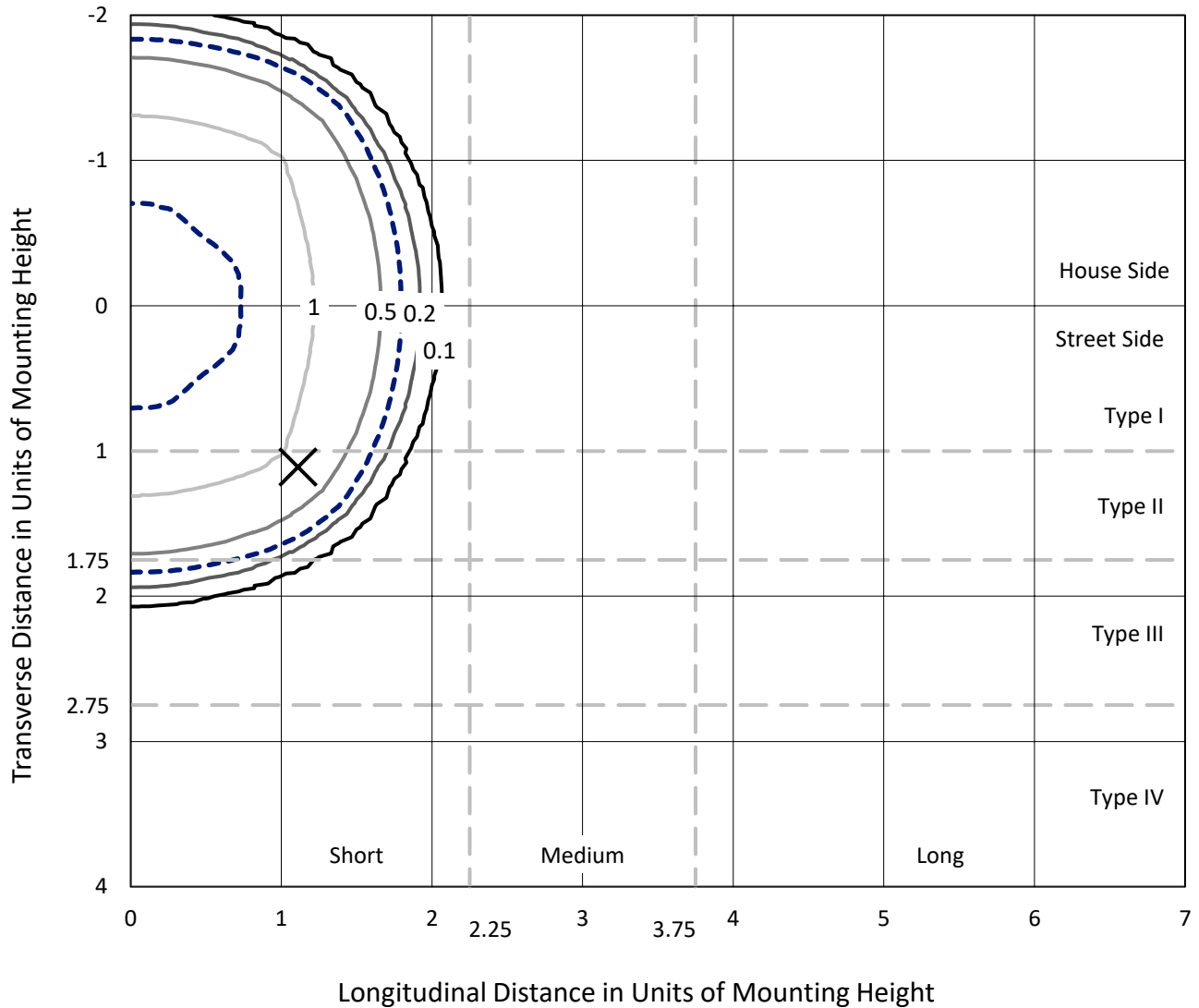
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

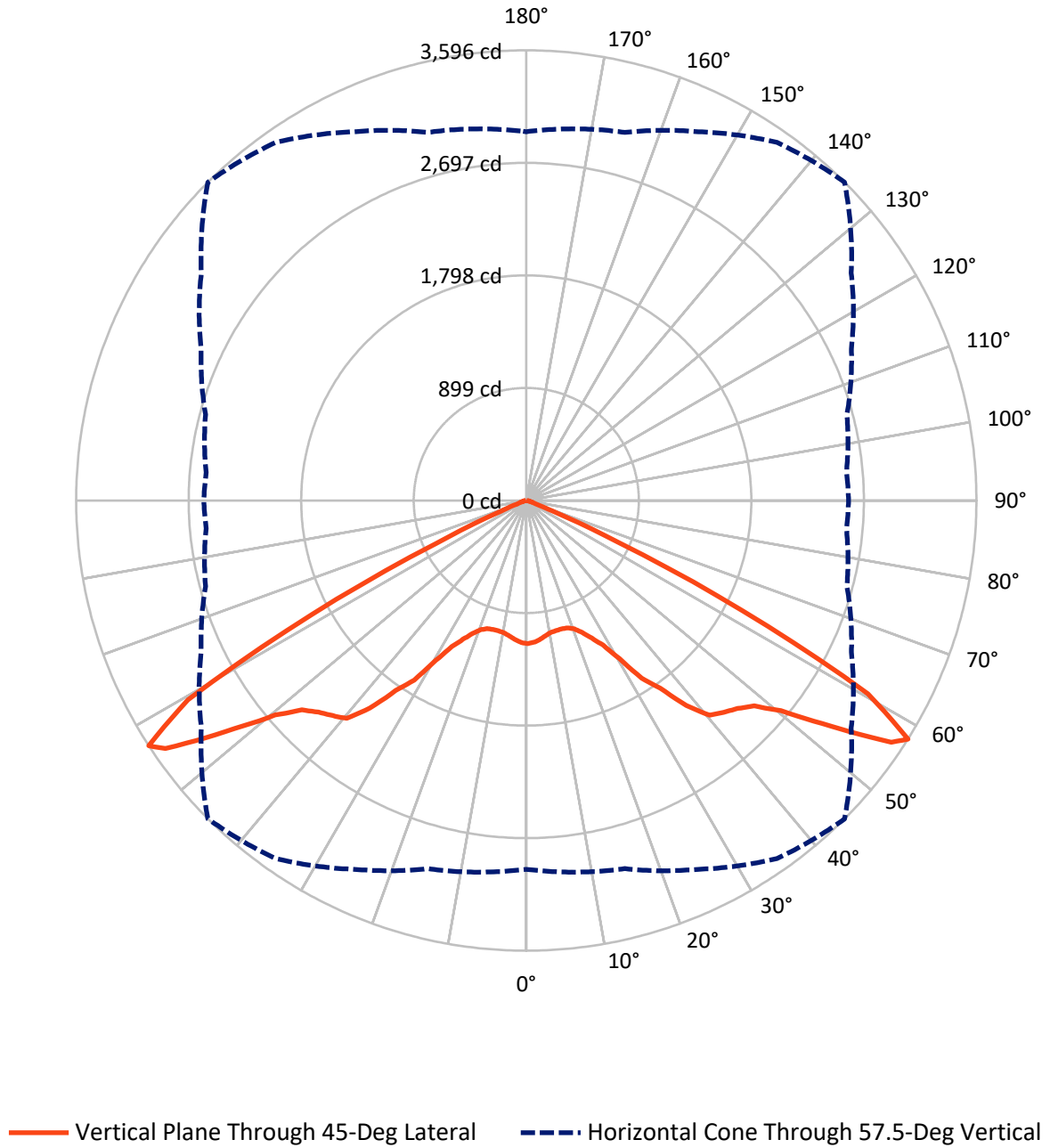
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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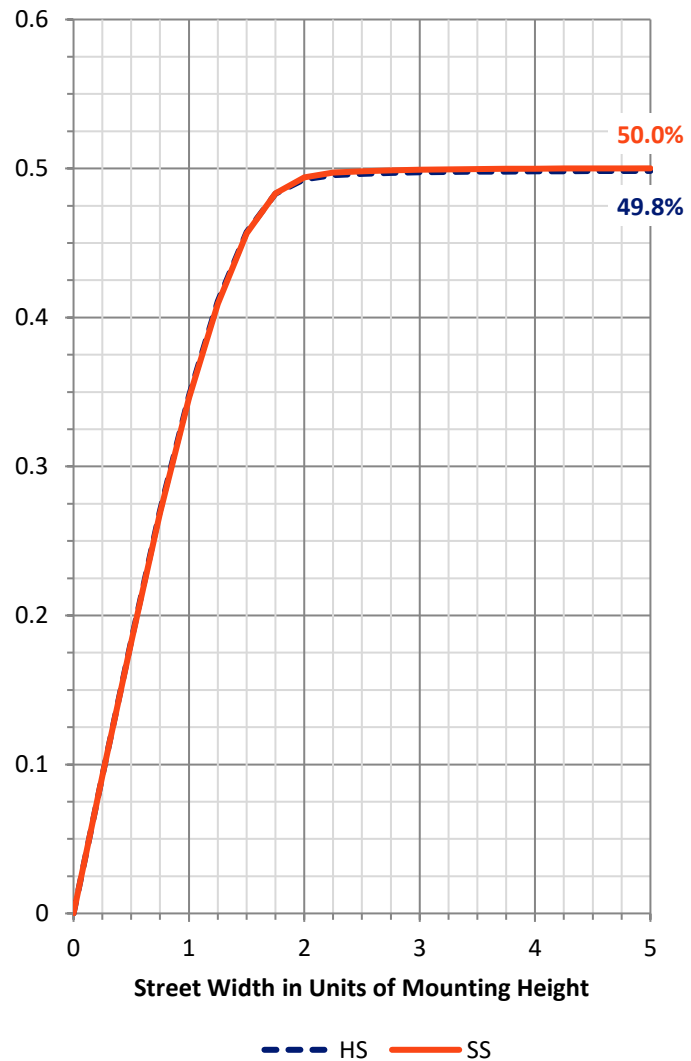
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3687.5	0.0	3687.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3687.5	0.0	3687.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7375.0	0.0	7375.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.1	1.4
10°-20°	303.9	4.1
20°-30°	560.9	7.6
30°-40°	1103.0	15.0
40°-50°	1796.5	24.4
50°-60°	2562.1	34.7
60°-70°	887.0	12.0
70°-80°	47.6	0.6
80°-90°	8.9	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°	7375.0	100.0
0°-180°	7375.0	100.0

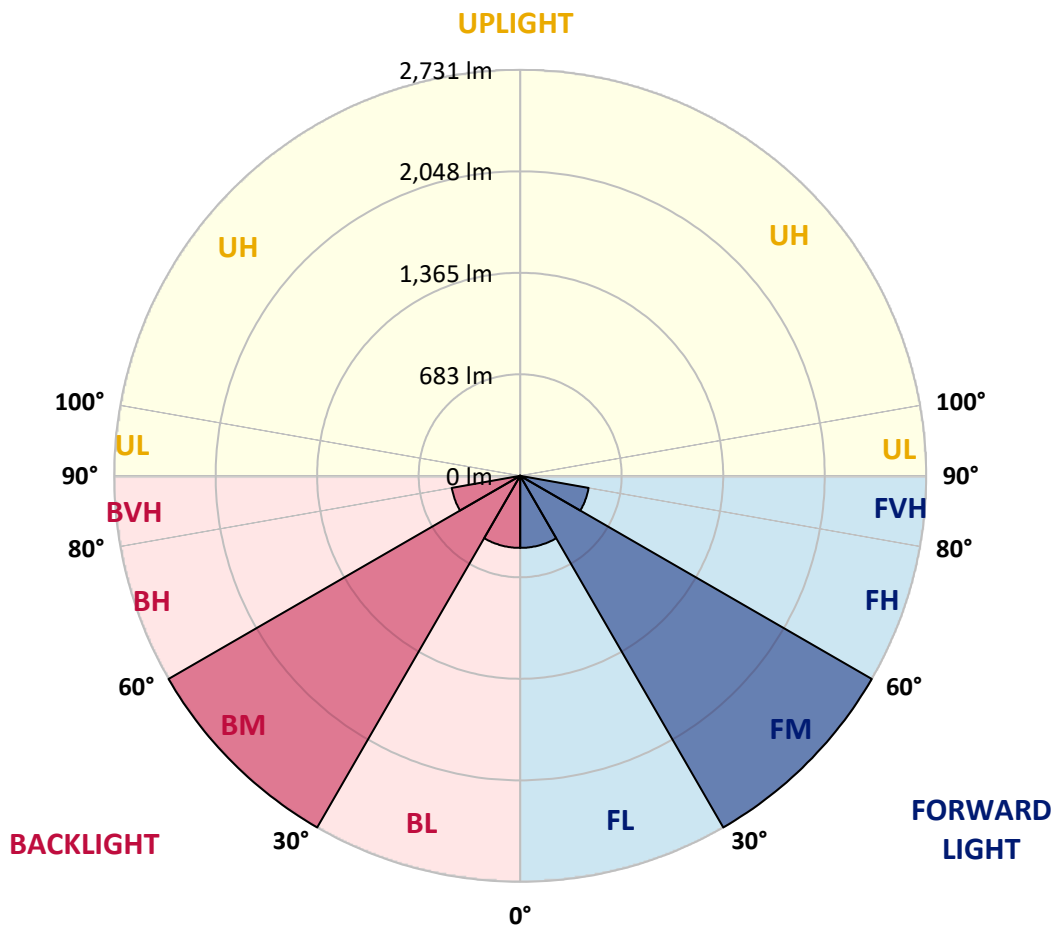


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.9	6.6			
FM (30°-60°)	2730.8	37.0			
FH (60°-80°)	467.3	6.3			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	484.9	6.6	B1/500		
BM (30°-60°)	2730.8	37.0	B3/5000		
BH (60°-80°)	467.3	6.3	B1/500		G0/660
BVH (80°-90°)	4.5	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°	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9
2.5°	1140.9	1147.0	1139.3	1136.3	1134.7	1134.7	1130.1	1130.1	1128.6	1130.1	1124.0
5°	1122.4	1128.6	1128.6	1127.0	1117.8	1116.3	1111.7	1108.6	1110.1	1104.0	1108.6
7.5°	1104.0	1108.6	1102.4	1100.9	1097.8	1091.7	1090.1	1076.3	1077.8	1077.8	1080.9
10°	1100.9	1099.4	1090.1	1082.4	1073.2	1071.7	1067.1	1064.0	1064.0	1062.4	1067.1
12.5°	1100.9	1093.2	1091.7	1074.7	1059.4	1065.5	1053.2	1045.5	1056.3	1059.4	1065.5
15°	1099.4	1107.0	1080.9	1073.2	1062.4	1064.0	1053.2	1045.5	1051.7	1054.8	1059.4
17.5°	1108.6	1104.0	1096.3	1080.9	1076.3	1070.1	1056.3	1050.1	1050.1	1057.8	1059.4
20°	1133.2	1120.9	1105.5	1097.8	1102.4	1094.7	1077.8	1054.8	1060.9	1067.1	1071.7
22.5°	1156.2	1147.0	1136.3	1131.6	1157.8	1145.5	1116.3	1090.1	1080.9	1091.7	1099.4
25°	1200.8	1200.8	1180.8	1187.0	1216.2	1217.7	1183.9	1137.8	1131.6	1136.3	1139.3
27.5°	1291.5	1296.2	1279.2	1285.4	1297.7	1308.5	1279.2	1240.8	1227.0	1225.4	1230.0
30°	1389.9	1399.2	1397.6	1423.8	1459.1	1465.3	1422.2	1359.2	1317.7	1310.0	1316.1
32.5°	1519.1	1523.7	1520.6	1551.4	1646.7	1691.3	1579.1	1489.9	1434.5	1448.4	1434.5
35°	1762.0	1757.4	1723.6	1729.7	1808.2	1840.5	1732.8	1675.9	1649.8	1677.5	1671.3
37.5°	1971.1	1954.2	1926.6	1966.5	2048.0	2077.2	1965.0	1865.1	1817.4	1863.5	1883.5
40°	2148.0	2104.9	2066.5	2106.4	2215.6	2255.6	2091.1	2009.6	1991.1	2025.0	2068.0
42.5°	2297.1	2269.4	2218.7	2221.8	2294.0	2312.5	2180.3	2132.6	2114.1	2168.0	2189.5
45°	2403.2	2377.1	2329.4	2326.3	2381.7	2369.4	2251.0	2218.7	2229.5	2264.8	2275.6
47.5°	2457.0	2470.8	2443.2	2450.9	2480.1	2450.9	2357.1	2357.1	2332.5	2354.0	2343.2
50°	2612.3	2569.3	2604.6	2604.6	2635.4	2638.4	2544.7	2510.8	2444.7	2407.8	2407.8
52.5°	2793.7	2796.8	2810.6	2861.4	2913.7	2958.3	2824.5	2680.0	2569.3	2521.6	2515.4
55°	2942.9	2973.6	3029.0	3124.3	3275.0	3336.5	3105.9	2847.5	2712.2	2638.4	2623.1
56°	3024.4	2995.2	3090.5	3221.2	3418.0	3497.9	3152.0	2881.4	2732.2	2649.2	2647.7
57.5°	2946.0	2978.2	3044.4	3250.4	3491.8	3596.3	3168.9	2866.0	2652.3	2567.7	2575.4
60°	2326.3	2357.1	2446.2	2676.9	3055.1	3136.6	2681.5	2363.2	2172.6	2051.1	2052.6
62.5°	1316.1	1339.2	1408.4	1622.1	1857.4	1935.8	1671.3	1459.1	1326.9	1259.3	1237.7
65°	484.3	475.1	485.9	595.0	739.6	805.7	695.0	587.3	518.2	493.6	484.3
67.5°	181.4	167.6	156.8	167.6	210.6	222.9	204.5	170.7	159.9	164.5	167.6
70°	112.2	106.1	84.6	80.0	78.4	76.9	81.5	86.1	98.4	115.3	118.4
72.5°	78.4	73.8	60.0	56.9	53.8	52.3	60.0	66.1	76.9	89.2	90.7
75°	30.8	32.3	30.8	33.8	35.4	36.9	43.1	47.7	52.3	52.3	50.7
77.5°	6.2	6.2	9.2	12.3	15.4	20.0	29.2	33.8	35.4	33.8	29.2
80°	0.0	0.0	3.1	6.2	12.3	16.9	26.1	29.2	32.3	29.2	23.1
82.5°	0.0	0.0	3.1	7.7	12.3	15.4	24.6	30.8	35.4	32.3	24.6
85°	0.0	0.0	3.1	6.2	9.2	10.8	10.8	7.7	7.7	4.6	3.1
87.5°	0.0	0.0	0.0	0.0	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)