

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: P531163

Luminaire Tested: **GALN-SA6C-722-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531163  
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-SA6C-722-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 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: 15986 lumens  
Efficiency: N/A  
Efficacy: 49.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

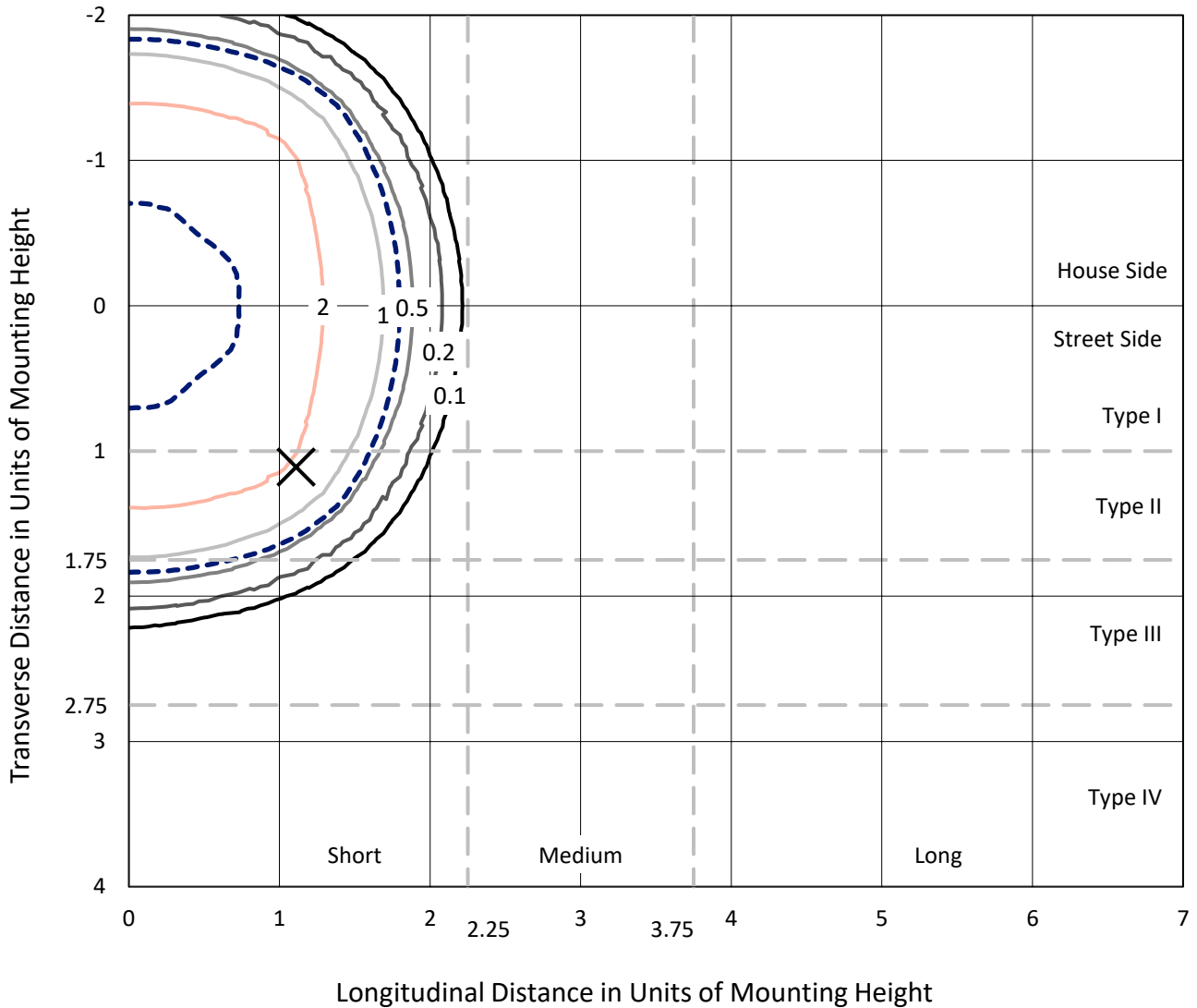
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P531163  
 CATALOG NUMBER: GALN-SA6C-722-U-5WQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

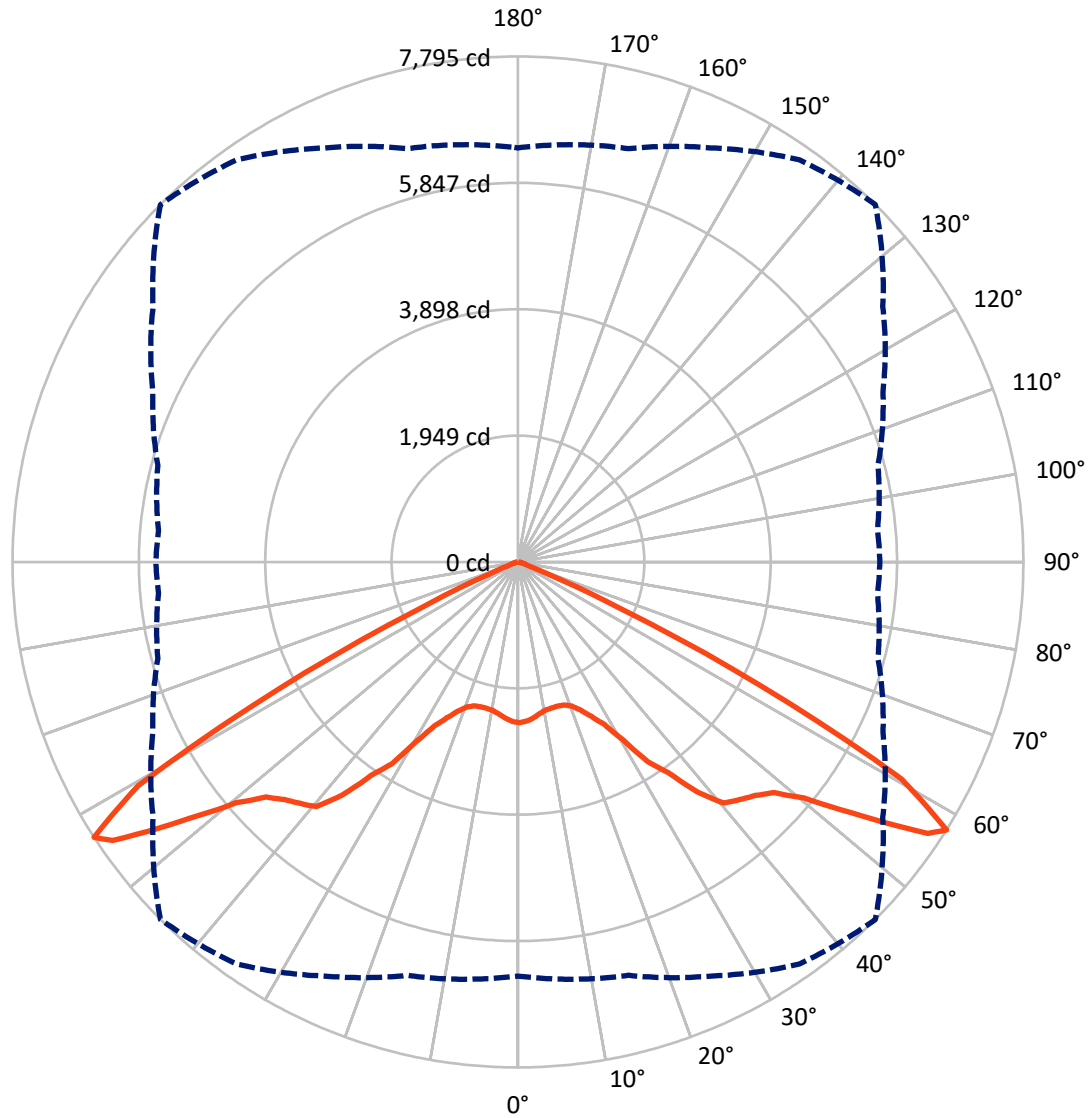
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

REPORT NUMBER: P531163  
CATALOG NUMBER: GALN-SA6C-722-U-5WQ-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P531163  
 CATALOG NUMBER: GALN-SA6C-722-U-5WQ-GRSBK

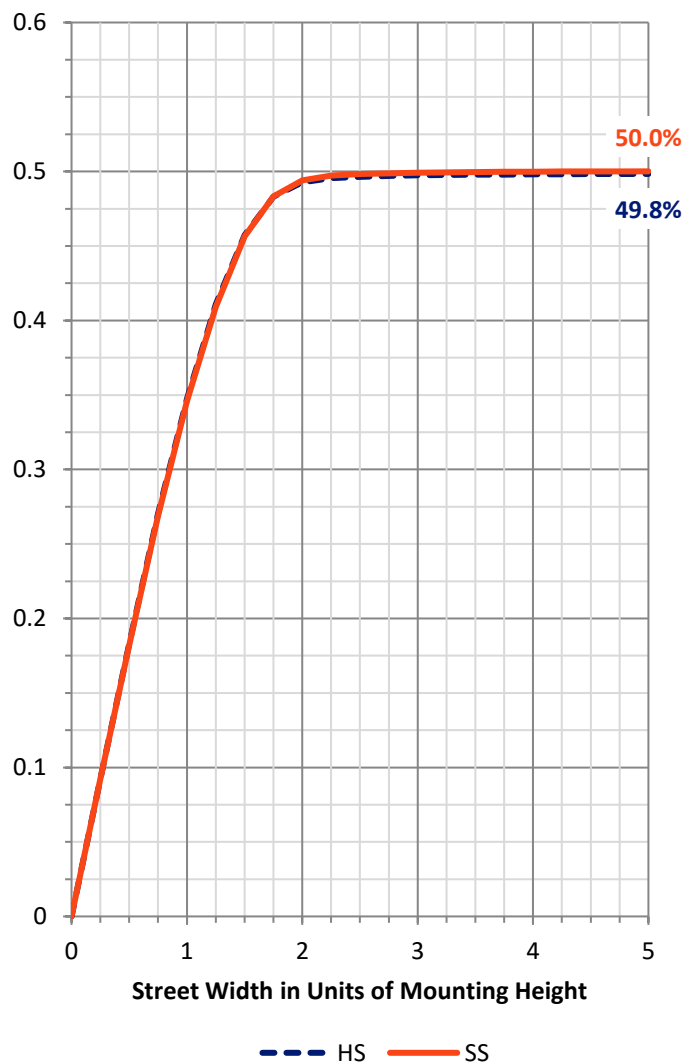
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7993.0	0.0	7993.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7993.0	0.0	7993.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15986.0	0.0	15986.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.9	1.4
10°-20°	658.6	4.1
20°-30°	1215.7	7.6
30°-40°	2390.9	15.0
40°-50°	3894.1	24.4
50°-60°	5553.5	34.7
60°-70°	1922.8	12.0
70°-80°	103.1	0.6
80°-90°	19.4	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°	15986.0	100.0
0°-180°	15986.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531163

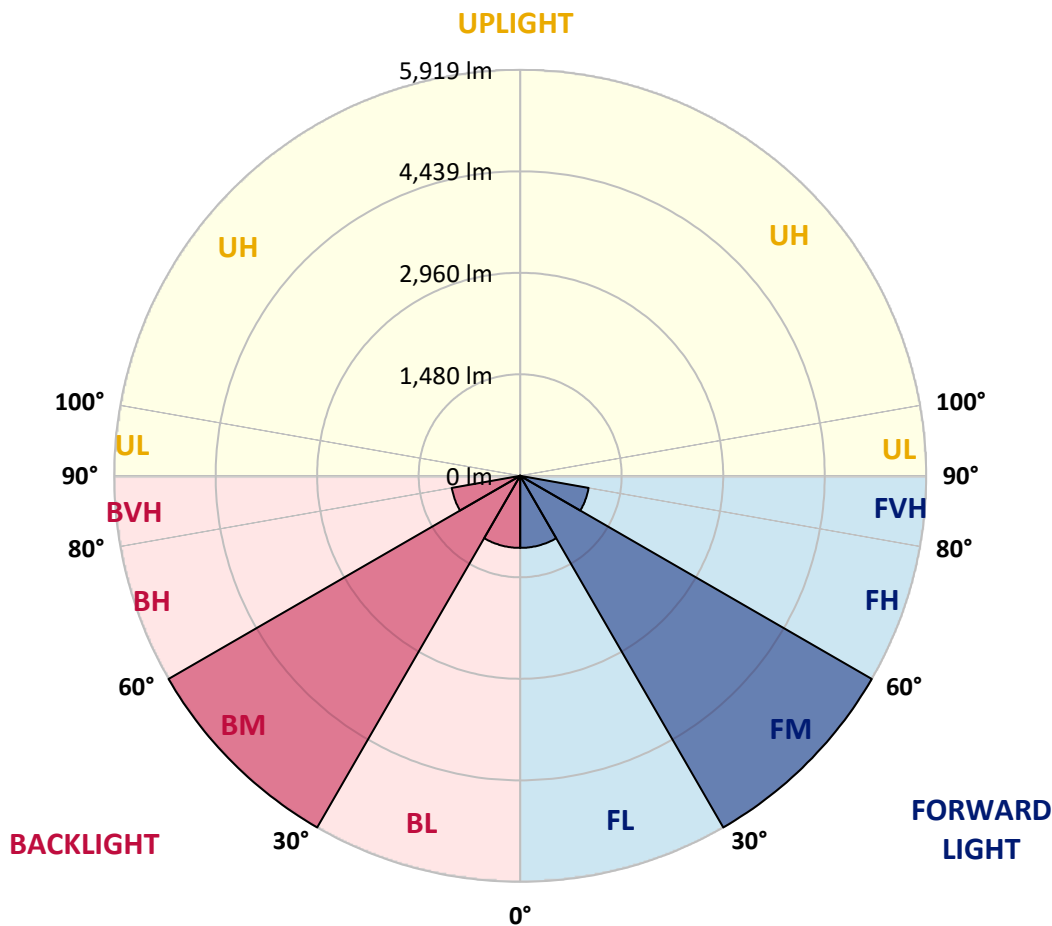
CATALOG NUMBER: GALN-SA6C-722-U-5WQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1051.1	6.6			
FM (30°-60°)	5919.3	37.0			
FH (60°-80°)	1013.0	6.3			G1/1800
FVH (80°-90°)	9.7	0.1			G0/10
BL (0°-30°)	1051.1	6.6	B3/2500		
BM (30°-60°)	5919.3	37.0	B4/8500		
BH (60°-80°)	1013.0	6.3	B3/2500		G1/1800
BVH (80°-90°)	9.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





REPORT NUMBER: P531163  
 CATALOG NUMBER: GALN-SA6C-722-U-5WQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6
2.5°	2472.9	2486.3	2469.6	2462.9	2459.6	2459.6	2449.6	2449.6	2446.3	2449.6	2436.3
5°	2432.9	2446.3	2446.3	2442.9	2422.9	2419.6	2409.6	2402.9	2406.3	2392.9	2402.9
7.5°	2392.9	2402.9	2389.6	2386.3	2379.6	2366.3	2362.9	2333.0	2336.3	2336.3	2343.0
10°	2386.3	2382.9	2362.9	2346.3	2326.3	2323.0	2313.0	2306.3	2306.3	2303.0	2313.0
12.5°	2386.3	2369.6	2366.3	2329.6	2296.3	2309.6	2283.0	2266.3	2289.6	2296.3	2309.6
15°	2382.9	2399.6	2343.0	2326.3	2303.0	2306.3	2283.0	2266.3	2279.6	2286.3	2296.3
17.5°	2402.9	2392.9	2376.3	2343.0	2333.0	2319.6	2289.6	2276.3	2276.3	2293.0	2296.3
20°	2456.3	2429.6	2396.3	2379.6	2389.6	2372.9	2336.3	2286.3	2299.6	2313.0	2323.0
22.5°	2506.3	2486.3	2462.9	2452.9	2509.6	2482.9	2419.6	2362.9	2343.0	2366.3	2382.9
25°	2602.9	2602.9	2559.6	2572.9	2636.2	2639.6	2566.2	2466.3	2452.9	2462.9	2469.6
27.5°	2799.5	2809.5	2772.9	2786.2	2812.9	2836.2	2772.9	2689.6	2659.6	2656.2	2666.2
30°	3012.8	3032.8	3029.5	3086.2	3162.8	3176.1	3082.8	2946.2	2856.2	2839.5	2852.9
32.5°	3292.8	3302.8	3296.1	3362.8	3569.4	3666.1	3422.8	3229.5	3109.5	3139.5	3109.5
35°	3819.4	3809.4	3736.1	3749.4	3919.4	3989.4	3756.1	3632.7	3576.1	3636.1	3622.7
37.5°	4272.6	4236.0	4176.0	4262.6	4439.3	4502.6	4259.3	4042.7	3939.4	4039.3	4082.7
40°	4655.9	4562.6	4479.3	4565.9	4802.6	4889.2	4532.6	4356.0	4316.0	4389.3	4482.6
42.5°	4979.2	4919.2	4809.2	4815.9	4972.5	5012.5	4725.9	4622.6	4582.6	4699.2	4745.9
45°	5209.2	5152.5	5049.2	5042.5	5162.5	5135.8	4879.2	4809.2	4832.5	4909.2	4932.5
47.5°	5325.8	5355.8	5295.8	5312.5	5375.8	5312.5	5109.2	5109.2	5055.8	5102.5	5079.2
50°	5662.4	5569.1	5645.7	5645.7	5712.4	5719.1	5515.8	5442.4	5299.1	5219.1	5219.1
52.5°	6055.7	6062.3	6092.3	6202.3	6315.6	6412.3	6122.3	5809.1	5569.1	5465.8	5452.4
55°	6379.0	6445.6	6565.6	6772.2	7098.8	7232.2	6732.2	6172.3	5879.0	5719.1	5685.7
56°	6555.6	6492.3	6698.9	6982.2	7408.8	7582.1	6832.2	6245.6	5922.4	5742.4	5739.1
57.5°	6385.6	6455.6	6598.9	7045.5	7568.8	7795.4	6868.9	6212.3	5749.1	5565.8	5582.4
60°	5042.5	5109.2	5302.5	5802.4	6622.3	6798.9	5812.4	5122.5	4709.2	4445.9	4449.3
62.5°	2852.9	2902.9	3052.8	3516.1	4026.0	4196.0	3622.7	3162.8	2876.2	2729.6	2682.9
65°	1049.8	1029.8	1053.2	1289.8	1603.1	1746.4	1506.4	1273.1	1123.2	1069.8	1049.8
67.5°	393.3	363.3	339.9	363.3	456.6	483.3	443.3	369.9	346.6	356.6	363.3
70°	243.3	230.0	183.3	173.3	170.0	166.6	176.6	186.6	213.3	250.0	256.6
72.5°	170.0	160.0	130.0	123.3	116.6	113.3	130.0	143.3	166.6	193.3	196.6
75°	66.7	70.0	66.7	73.3	76.7	80.0	93.3	103.3	113.3	113.3	110.0
77.5°	13.3	13.3	20.0	26.7	33.3	43.3	63.3	73.3	76.7	73.3	63.3
80°	0.0	0.0	6.7	13.3	26.7	36.7	56.7	63.3	70.0	63.3	50.0
82.5°	0.0	0.0	6.7	16.7	26.7	33.3	53.3	66.7	76.7	70.0	53.3
85°	0.0	0.0	6.7	13.3	20.0	23.3	23.3	16.7	16.7	10.0	6.7
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)