

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: P647968

Luminaire Tested: **GALN-SA6A-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647968  
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-SA6A-835-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 615mA 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: 12743.3 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

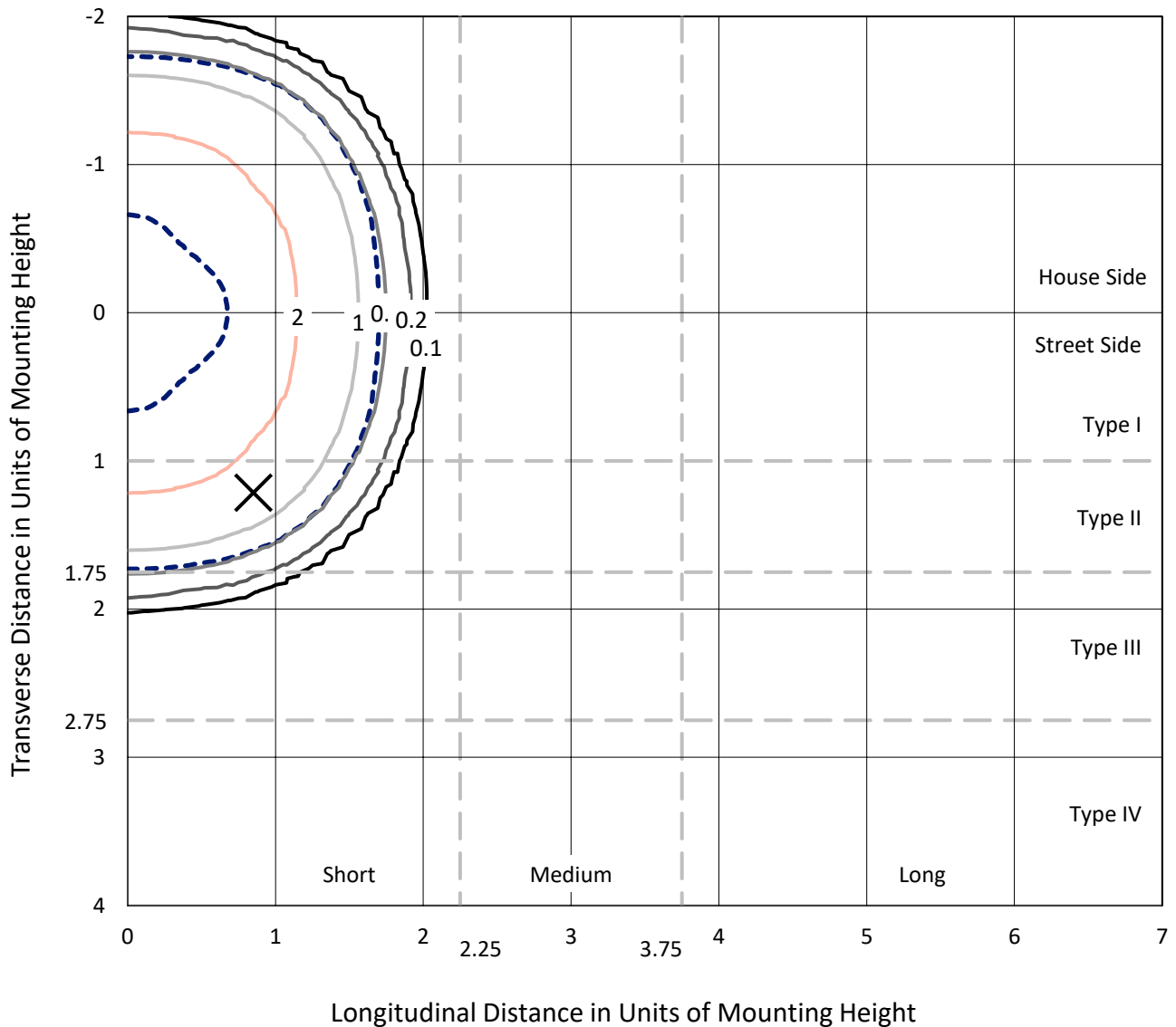
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

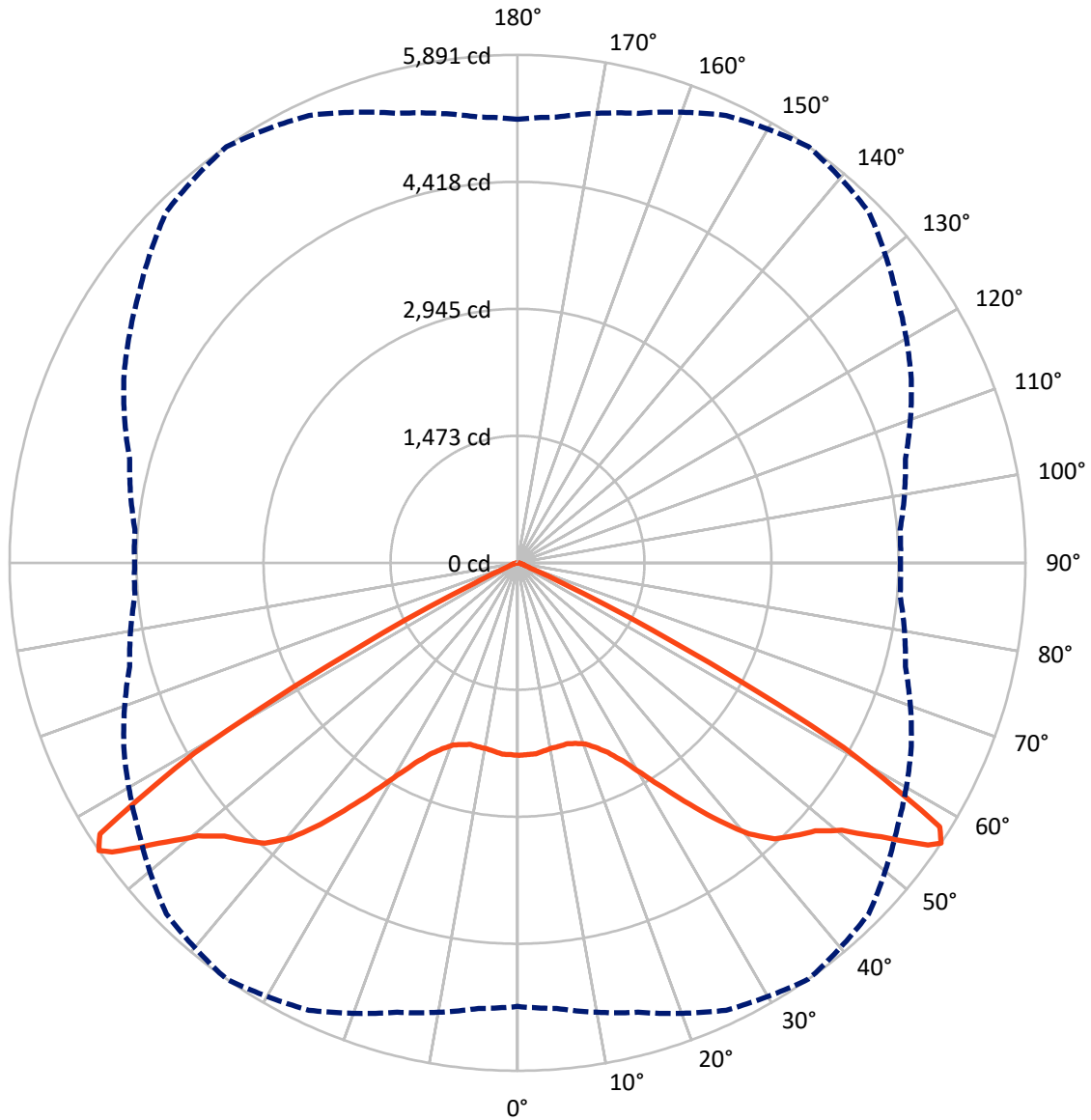
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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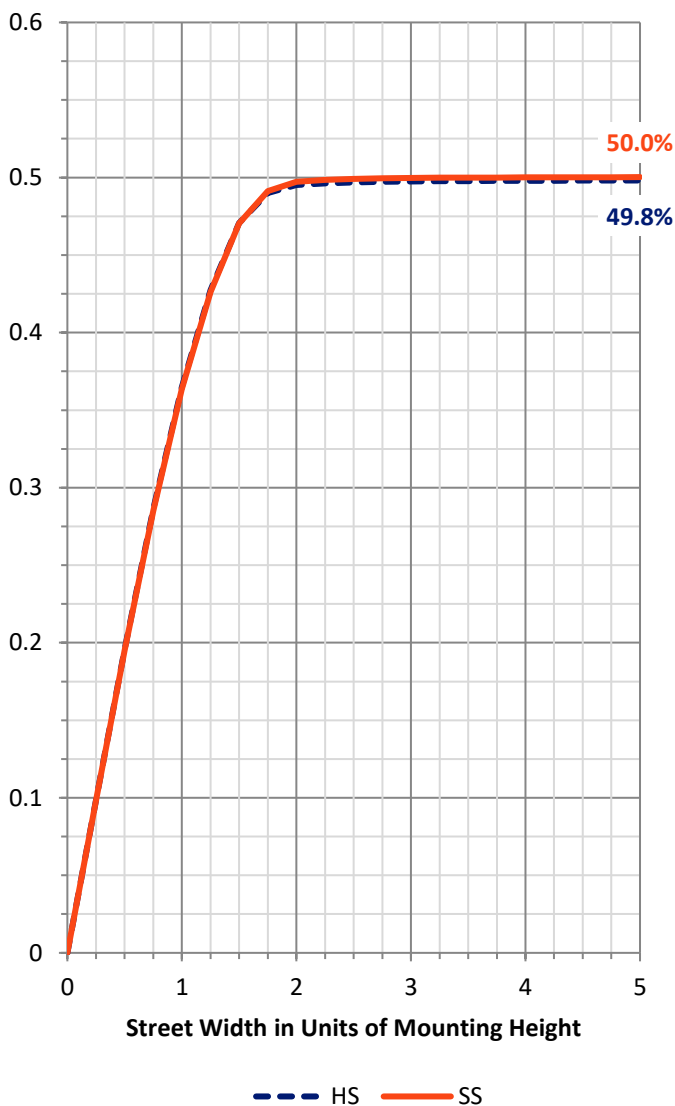
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6371.6	0.0	6371.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6371.6	0.0	6371.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12743.3	0.0	12743.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.9	1.6
10°-20°	612.7	4.8
20°-30°	1109.5	8.7
30°-40°	2057.4	16.1
40°-50°	3377.1	26.5
50°-60°	4350.7	34.1
60°-70°	958.8	7.5
70°-80°	55.6	0.4
80°-90°	11.7	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°	12743.3	100.0
0°-180°	12743.3	100.0

**Coefficient of Utilization**

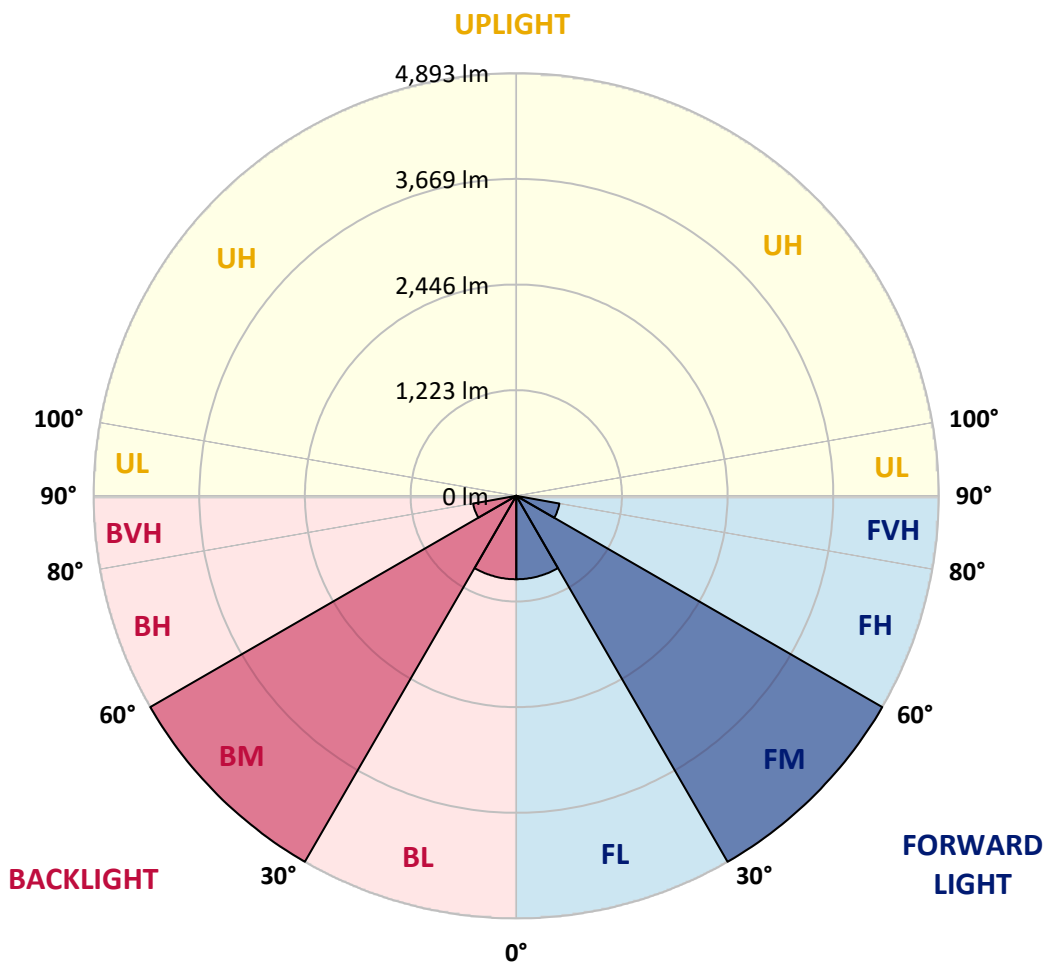


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.0	7.6			
FM (30°-60°)	4892.6	38.4			
FH (60°-80°)	507.2	4.0			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	966.0	7.6	B2/1000		
BM (30°-60°)	4892.6	38.4	B3/5000		
BH (60°-80°)	507.2	4.0	B2/1000		G0/660
BVH (80°-90°)	5.8	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°	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9
2.5°	2237.5	2237.5	2239.8	2242.1	2226.0	2219.0	2221.4	2216.8	2214.4	2221.4	2221.4
5°	2230.6	2230.6	2223.6	2226.0	2226.0	2205.2	2205.2	2209.8	2209.8	2195.9	2191.3
7.5°	2212.1	2207.5	2198.3	2209.8	2202.9	2202.9	2186.7	2175.2	2170.6	2179.8	2170.6
10°	2172.9	2175.2	2184.4	2189.0	2184.4	2198.3	2170.6	2154.4	2138.2	2131.3	2131.3
12.5°	2154.4	2168.3	2154.4	2165.9	2182.1	2170.6	2154.4	2142.8	2119.7	2110.5	2110.5
15°	2152.1	2161.3	2165.9	2182.1	2175.2	2179.8	2147.5	2133.6	2099.0	2082.8	2075.9
17.5°	2149.8	2161.3	2168.3	2198.3	2202.9	2205.2	2179.8	2138.2	2108.2	2092.0	2075.9
20°	2175.2	2179.8	2193.7	2223.6	2242.1	2274.5	2228.3	2184.4	2119.7	2101.3	2094.4
22.5°	2207.5	2230.6	2244.5	2276.8	2325.3	2353.0	2292.9	2237.5	2170.6	2147.5	2119.7
25°	2311.4	2306.8	2329.9	2396.8	2436.1	2456.9	2408.4	2327.5	2239.8	2212.1	2216.8
27.5°	2440.7	2445.3	2466.1	2540.1	2597.8	2630.1	2572.3	2466.1	2380.7	2334.5	2329.9
30°	2609.3	2604.6	2627.7	2727.0	2830.9	2879.5	2777.8	2653.2	2570.0	2510.0	2523.8
32.5°	2787.1	2789.4	2854.0	2944.1	3112.7	3207.3	3043.4	2891.0	2766.3	2724.8	2703.9
35°	3050.3	3061.8	3112.7	3251.3	3438.2	3560.6	3380.5	3198.1	3055.0	2978.8	2988.0
37.5°	3375.9	3364.4	3449.8	3599.9	3796.1	3886.2	3733.8	3526.0	3380.5	3329.7	3362.0
40°	3722.3	3733.8	3777.7	3913.9	4133.3	4193.4	3967.1	3853.9	3726.9	3701.5	3740.8
42.5°	4068.6	4061.7	4094.1	4216.5	4375.7	4334.2	4200.2	4133.3	4043.3	3992.4	4045.5
45°	4322.6	4311.1	4371.1	4454.3	4512.0	4433.5	4373.4	4350.3	4304.2	4248.7	4297.3
47.5°	4569.7	4560.5	4618.2	4641.3	4645.9	4542.0	4553.5	4595.1	4479.7	4364.2	4419.6
50°	4779.8	4763.7	4835.3	4886.1	4874.5	4708.3	4749.8	4708.3	4528.2	4391.9	4371.1
52.5°	5130.8	5137.7	5214.0	5306.3	5278.6	5140.1	5080.0	4890.7	4659.8	4537.4	4465.8
55°	5352.5	5317.9	5449.5	5742.8	5775.1	5631.9	5366.4	5087.0	4740.6	4590.5	4572.0
56°	5144.7	5188.5	5396.4	5724.3	5890.5	5758.9	5373.3	5038.4	4657.4	4454.3	4440.4
57.5°	4615.9	4592.8	4874.5	5322.5	5775.1	5719.7	5183.9	4692.1	4248.7	4020.2	3992.4
60°	2872.5	2939.5	3186.6	3740.8	4345.7	4373.4	3842.3	3419.8	2902.6	2699.3	2747.9
62.5°	1124.5	1066.8	1221.5	1634.8	2050.5	2142.8	1941.9	1614.1	1325.5	1124.5	1110.7
65°	260.9	254.0	286.3	394.9	551.9	639.6	607.3	436.4	321.0	304.8	281.7
67.5°	147.8	147.8	140.9	140.9	154.7	164.0	157.0	154.7	161.6	168.6	166.2
70°	103.9	101.6	97.0	99.3	94.7	94.7	101.6	113.1	122.4	122.4	124.7
72.5°	62.3	62.3	62.3	69.3	69.3	69.3	76.2	85.4	87.8	85.4	83.2
75°	27.7	27.7	32.3	39.2	43.8	46.2	53.1	57.7	62.3	57.7	53.1
77.5°	6.9	6.9	11.5	16.1	20.7	25.4	34.6	41.6	43.8	41.6	34.6
80°	2.3	2.3	4.6	11.5	20.7	25.4	34.6	37.0	39.2	34.6	27.7
82.5°	2.3	2.3	4.6	11.5	16.1	20.7	27.7	32.3	34.6	30.0	27.7
85°	0.0	2.3	4.6	9.2	13.9	18.5	18.5	13.9	11.5	6.9	9.2
87.5°	0.0	0.0	2.3	2.3	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)