

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: P530717

Luminaire Tested: **GALN-SA6A-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530717  
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-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 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: 13611 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

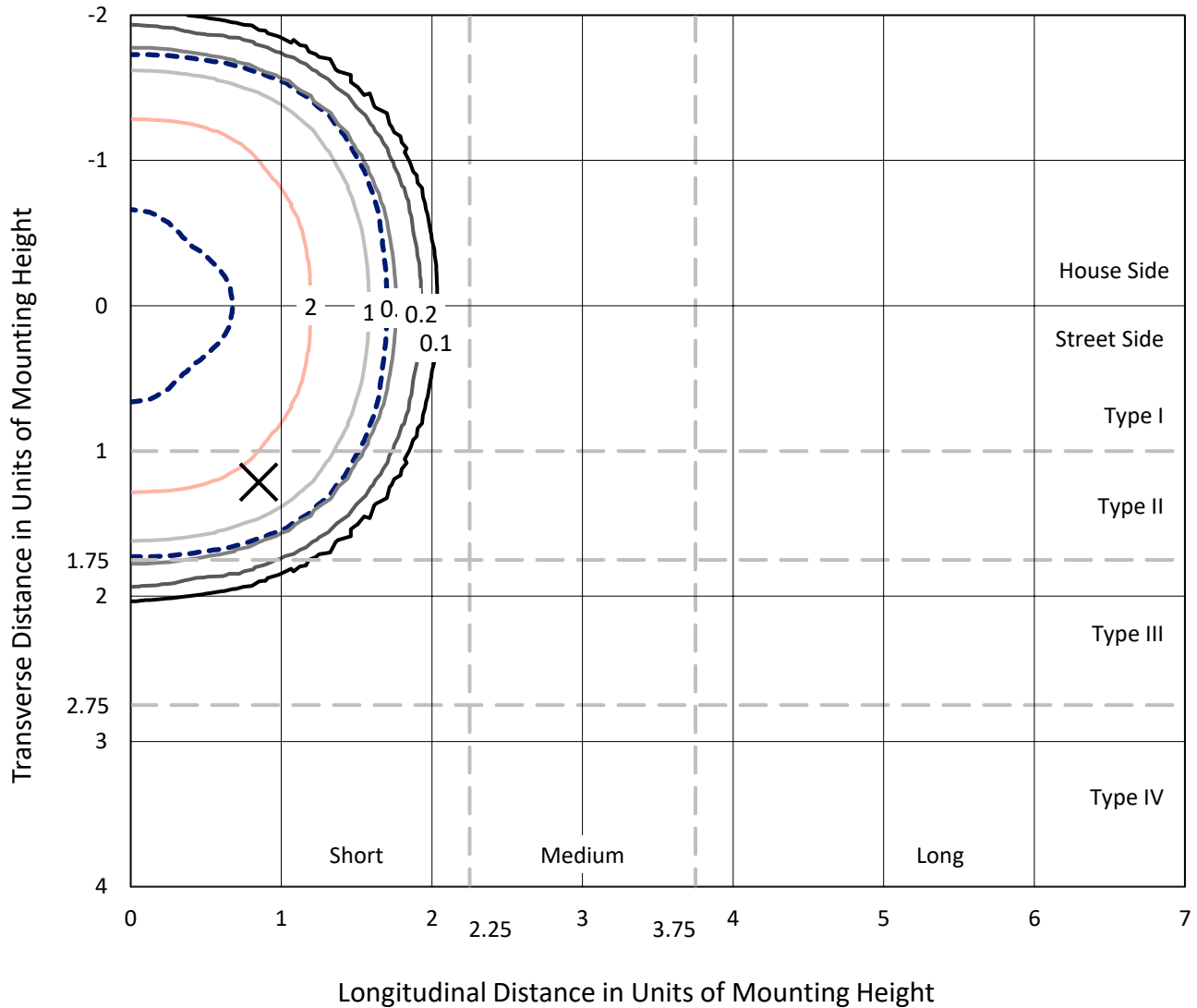
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

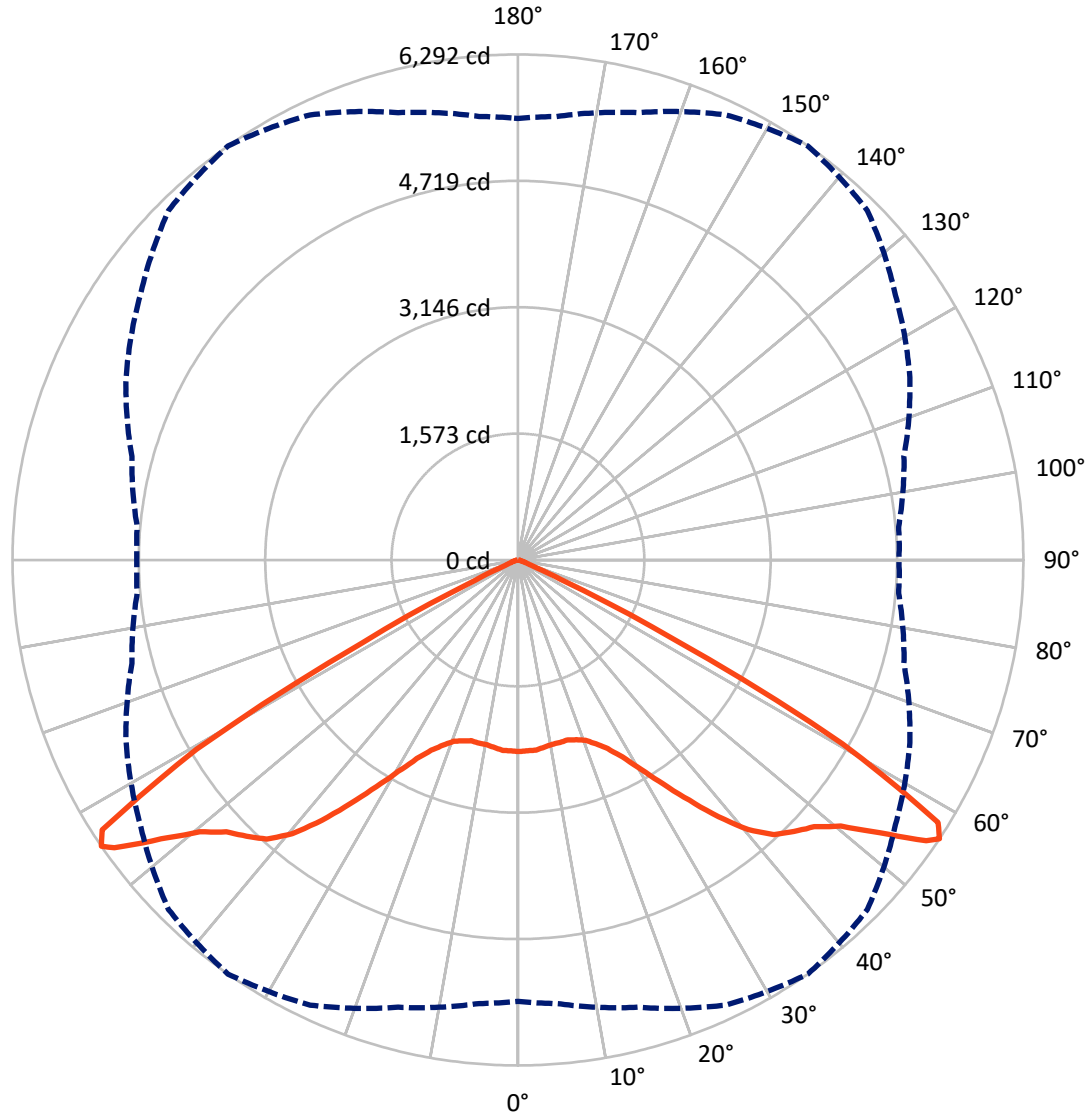
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	6805.5	0.0	6805.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6805.5	0.0	6805.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13611.0	0.0	13611.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.1	1.6
10°-20°	654.4	4.8
20°-30°	1185.0	8.7
30°-40°	2197.5	16.1
40°-50°	3607.0	26.5
50°-60°	4646.9	34.1
60°-70°	1024.1	7.5
70°-80°	59.4	0.4
80°-90°	12.5	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°	13611.0	100.0
0°-180°	13611.0	100.0

**Coefficient of Utilization**



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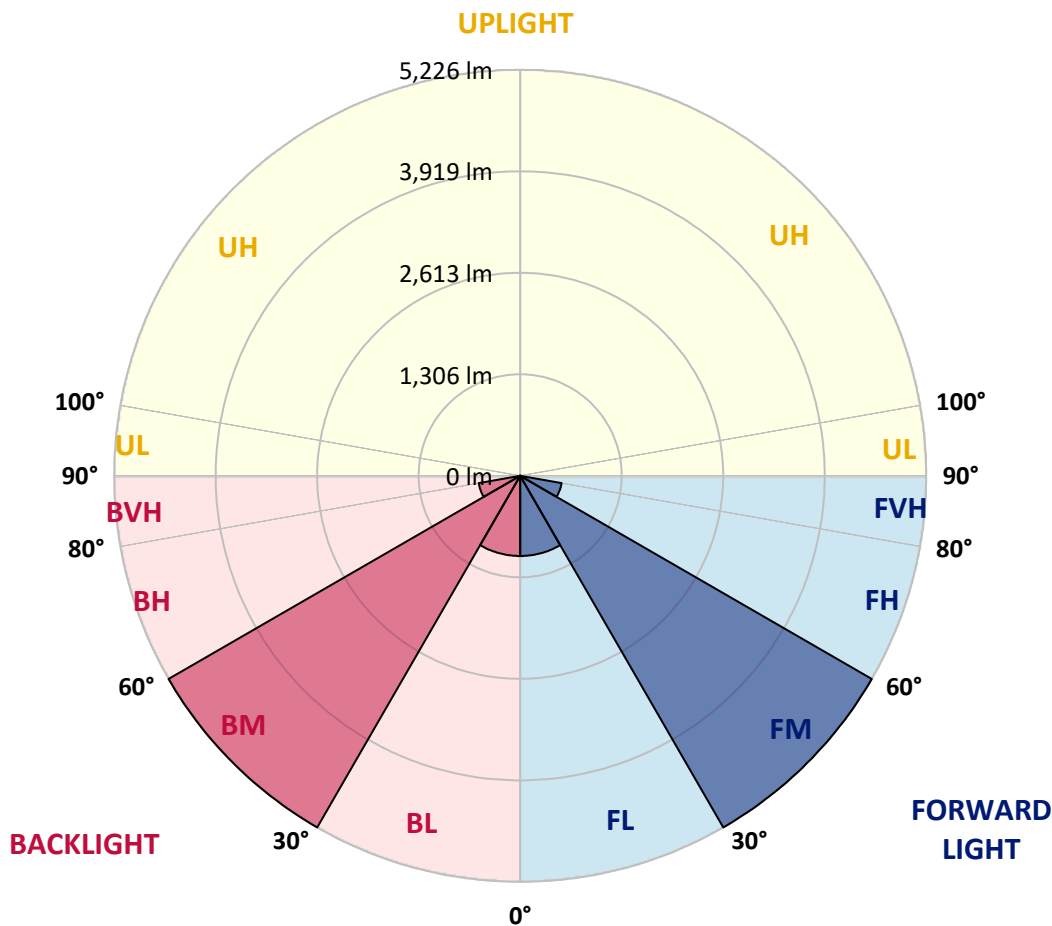
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1031.8	7.6			
FM (30°-60°)	5225.7	38.4			
FH (60°-80°)	541.8	4.0			G0/660
FVH (80°-90°)	6.3	0.0			G0/10
BL (0°-30°)	1031.8	7.6	B3/2500		
BM (30°-60°)	5225.7	38.4	B4/8500		
BH (60°-80°)	541.8	4.0	B2/1000		G0/660
BVH (80°-90°)	6.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2384.9	2384.9	2384.9	2384.9	2384.9	2384.9	2384.9	2384.9	2384.9	2384.9	2384.9
2.5°	2389.9	2389.9	2392.3	2394.8	2377.5	2370.1	2372.6	2367.7	2365.2	2372.6	2372.6
5°	2382.5	2382.5	2375.1	2377.5	2377.5	2355.3	2355.3	2360.3	2360.3	2345.5	2340.5
7.5°	2362.7	2357.8	2347.9	2360.3	2352.9	2352.9	2335.6	2323.3	2318.3	2328.2	2318.3
10°	2320.8	2323.3	2333.1	2338.1	2333.1	2347.9	2318.3	2301.1	2283.8	2276.4	2276.4
12.5°	2301.1	2315.9	2301.1	2313.4	2330.7	2318.3	2301.1	2288.8	2264.1	2254.2	2254.2
15°	2298.6	2308.5	2313.4	2330.7	2323.3	2328.2	2293.7	2278.9	2241.9	2224.6	2217.2
17.5°	2296.2	2308.5	2315.9	2347.9	2352.9	2355.3	2328.2	2283.8	2251.8	2234.5	2217.2
20°	2323.3	2328.2	2343.0	2375.1	2394.8	2429.3	2380.0	2333.1	2264.1	2244.4	2237.0
22.5°	2357.8	2382.5	2397.3	2431.8	2483.6	2513.2	2449.1	2389.9	2318.3	2293.7	2264.1
25°	2468.8	2463.9	2488.5	2560.0	2602.0	2624.2	2572.4	2486.1	2392.3	2362.7	2367.7
27.5°	2606.9	2611.8	2634.0	2713.0	2774.6	2809.1	2747.5	2634.0	2542.8	2493.5	2488.5
30°	2787.0	2782.0	2806.7	2912.7	3023.7	3075.5	2967.0	2833.8	2745.0	2680.9	2695.7
32.5°	2976.9	2979.3	3048.4	3144.6	3324.6	3425.7	3250.6	3087.8	2954.7	2910.3	2888.1
35°	3258.0	3270.4	3324.6	3472.6	3672.4	3803.1	3610.7	3415.9	3263.0	3181.6	3191.4
37.5°	3605.8	3593.4	3684.7	3845.0	4054.6	4150.8	3988.1	3766.1	3610.7	3556.4	3591.0
40°	3975.7	3988.1	4034.9	4180.4	4414.7	4478.9	4237.2	4116.3	3980.7	3953.5	3995.5
42.5°	4345.7	4338.3	4372.8	4503.5	4673.7	4629.3	4486.3	4414.7	4318.5	4264.3	4321.0
45°	4617.0	4604.6	4668.8	4757.5	4819.2	4735.4	4671.2	4646.6	4597.2	4538.0	4589.8
47.5°	4880.9	4871.0	4932.7	4957.3	4962.3	4851.3	4863.6	4908.0	4784.7	4661.4	4720.6
50°	5105.3	5088.0	5164.5	5218.8	5206.4	5028.8	5073.2	5028.8	4836.5	4691.0	4668.8
52.5°	5480.2	5487.6	5569.0	5667.6	5638.0	5490.0	5425.9	5223.7	4977.1	4846.3	4769.9
55°	5717.0	5680.0	5820.5	6133.8	6168.3	6015.4	5731.7	5433.3	5063.4	4903.1	4883.3
56°	5495.0	5541.8	5763.8	6114.0	6291.6	6151.0	5739.1	5381.5	4974.6	4757.5	4742.8
57.5°	4930.2	4905.5	5206.4	5684.9	6168.3	6109.1	5536.9	5011.6	4538.0	4293.9	4264.3
60°	3068.1	3139.6	3403.5	3995.5	4641.6	4671.2	4104.0	3652.6	3100.2	2883.1	2934.9
62.5°	1201.1	1139.4	1304.7	1746.2	2190.1	2288.8	2074.2	1724.0	1415.7	1201.1	1186.3
65°	278.7	271.3	305.8	421.7	589.5	683.2	648.6	466.1	342.8	325.6	300.9
67.5°	157.8	157.8	150.4	150.4	165.2	175.1	167.7	165.2	172.6	180.0	177.6
70°	111.0	108.5	103.6	106.1	101.1	101.1	108.5	120.9	130.7	130.7	133.2
72.5°	66.6	66.6	66.6	74.0	74.0	74.0	81.4	91.3	93.7	91.3	88.8
75°	29.6	29.6	34.5	41.9	46.9	49.3	56.7	61.7	66.6	61.7	56.7
77.5°	7.4	7.4	12.3	17.3	22.2	27.1	37.0	44.4	46.9	44.4	37.0
80°	2.5	2.5	4.9	12.3	22.2	27.1	37.0	39.5	41.9	37.0	29.6
82.5°	2.5	2.5	4.9	12.3	17.3	22.2	29.6	34.5	37.0	32.1	29.6
85°	0.0	2.5	4.9	9.9	14.8	19.7	19.7	14.8	12.3	7.4	9.9
87.5°	0.0	0.0	2.5	2.5	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)