

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: P530465

Luminaire Tested: **GALN-SA5D-722-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530465  
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-SA5D-722-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2200K, 1200mA 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: 18405 lumens  
Efficiency: N/A  
Efficacy: 59.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

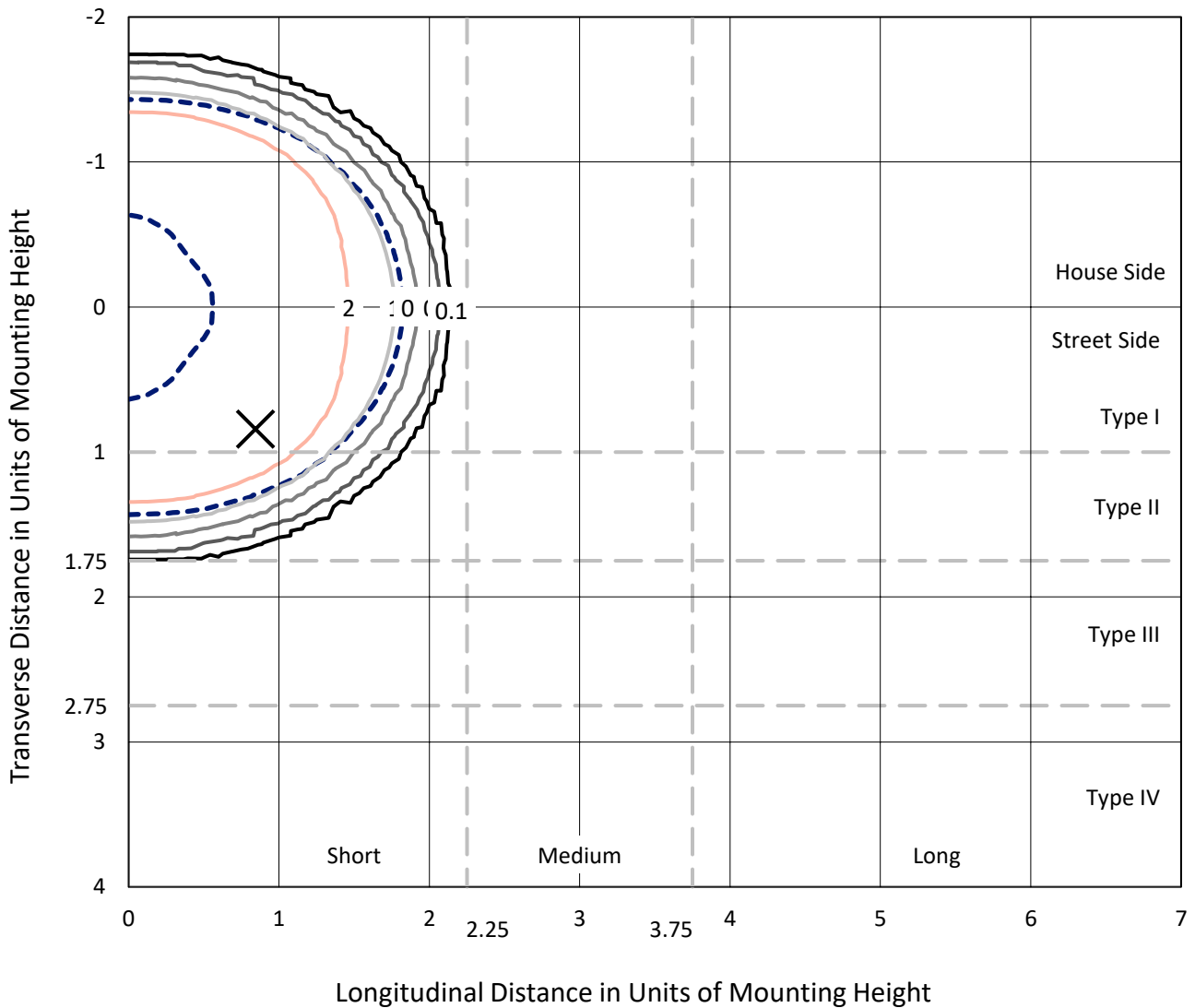
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

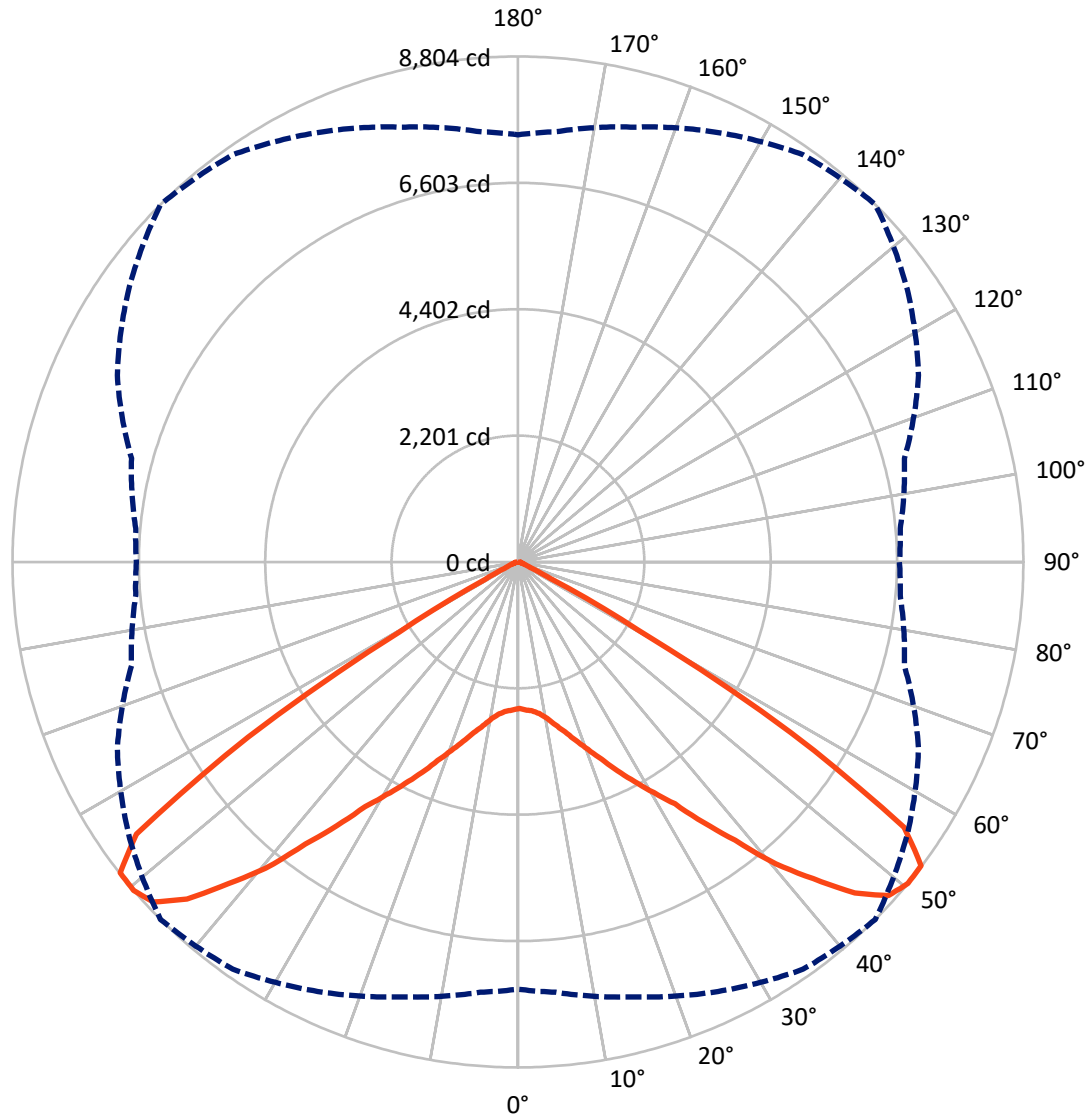
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	9202.5	0.0	9202.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9202.5	0.0	9202.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18405.0	0.0	18405.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.8	1.4
10°-20°	874.9	4.8
20°-30°	1786.9	9.7
30°-40°	3407.7	18.5
40°-50°	5742.4	31.2
50°-60°	5476.4	29.8
60°-70°	764.5	4.2
70°-80°	73.1	0.4
80°-90°	25.3	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°	18405.0	100.0
0°-180°	18405.0	100.0

**Coefficient of Utilization**



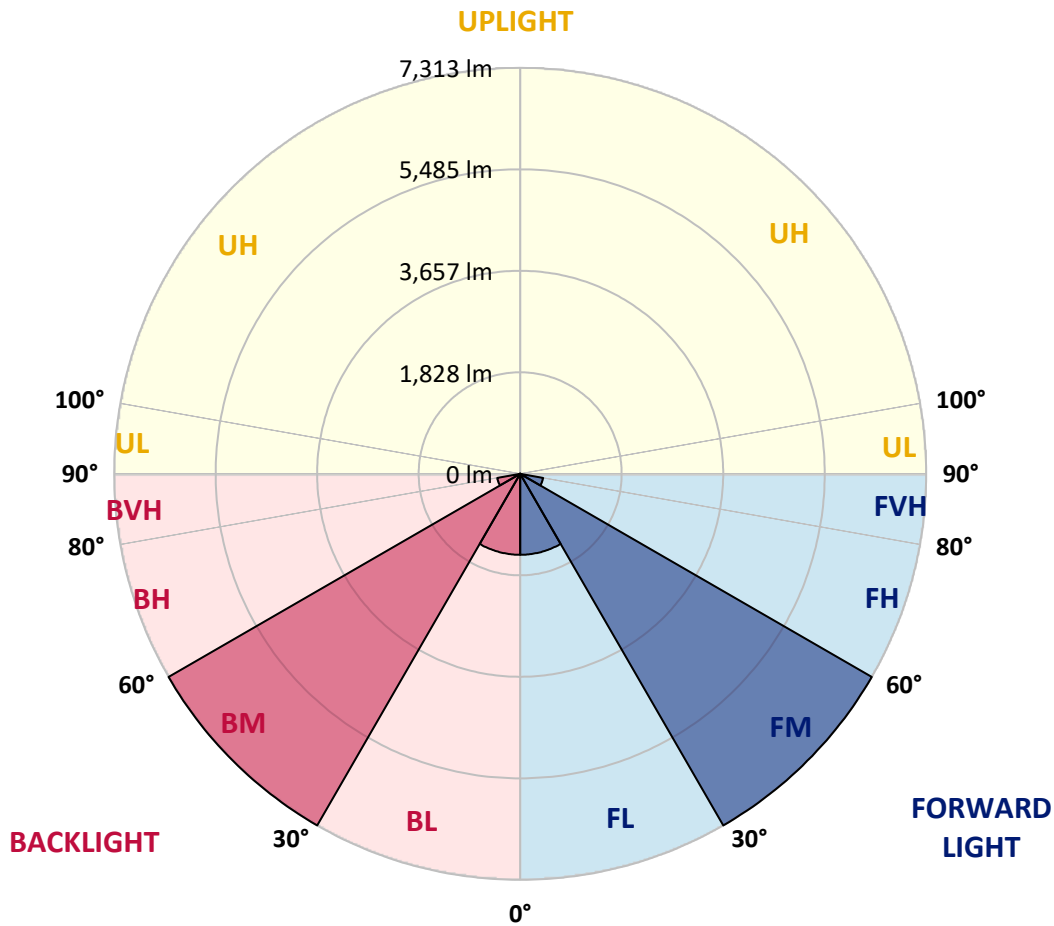
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.8	7.9			
FM (30°-60°)	7313.2	39.7			
FH (60°-80°)	418.8	2.3			G0/660
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	1457.8	7.9	B3/2500		
BM (30°-60°)	7313.2	39.7	B4/8500		
BH (60°-80°)	418.8	2.3	B1/500		G0/660
BVH (80°-90°)	12.6	0.1			G1/100
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7
2.5°	2542.4	2542.4	2539.3	2564.0	2551.7	2579.5	2576.4	2585.7	2595.0	2591.9	2616.7
5°	2520.7	2517.6	2517.6	2545.5	2573.3	2604.3	2632.2	2650.7	2681.7	2681.7	2712.7
7.5°	2542.4	2526.9	2548.6	2560.9	2613.6	2666.2	2712.7	2749.8	2821.1	2845.8	2836.5
10°	2548.6	2567.1	2582.6	2619.8	2684.8	2765.3	2805.6	2898.5	2979.0	3034.7	3047.1
12.5°	2588.8	2616.7	2660.0	2749.8	2808.7	2914.0	2969.7	3059.5	3171.0	3232.9	3276.3
15°	2666.2	2675.5	2731.3	2845.8	2972.8	3068.8	3155.5	3220.5	3328.9	3400.1	3403.2
17.5°	2765.3	2805.6	2883.0	2991.4	3124.5	3267.0	3335.1	3406.3	3446.6	3542.6	3564.3
20°	2963.5	2969.7	3044.0	3186.5	3353.7	3483.7	3533.3	3570.5	3555.0	3654.1	3672.6
22.5°	3149.3	3155.5	3248.4	3440.4	3620.0	3731.5	3753.2	3731.5	3685.0	3756.3	3762.4
25°	3338.2	3393.9	3462.1	3654.1	3877.0	4025.7	4028.8	3969.9	3873.9	3886.3	3917.3
27.5°	3632.4	3672.6	3743.9	3920.4	4165.0	4332.2	4304.4	4233.1	4109.3	4118.6	4109.3
30°	3976.1	4013.3	4072.1	4298.2	4477.8	4660.5	4700.7	4632.6	4446.8	4406.6	4453.0
32.5°	4391.1	4443.7	4552.1	4759.6	4911.3	5022.8	5050.7	5025.9	4852.5	4837.0	4868.0
35°	4895.8	4967.0	5066.1	5248.8	5372.7	5574.0	5574.0	5490.4	5332.5	5351.0	5347.9
37.5°	5428.5	5533.7	5688.6	5874.4	6041.6	6150.0	6115.9	6044.7	5886.8	5846.5	5886.8
40°	6097.3	6150.0	6345.1	6586.6	6791.0	6914.8	6769.3	6614.5	6236.7	6295.5	6403.9
42.5°	6707.4	6791.0	6939.6	7205.9	7438.2	7540.4	7367.0	7060.4	6605.2	6558.7	6639.2
45°	7227.6	7317.4	7512.5	7893.4	8138.0	8227.8	7843.8	7348.4	6828.1	6710.5	6744.5
47.5°	7574.4	7620.9	7893.4	8255.7	8478.7	8683.0	8131.8	7546.6	6933.4	6710.5	6698.1
50°	7441.3	7521.8	7840.8	8252.6	8658.3	8803.8	8277.4	7698.3	6967.5	6682.6	6645.4
52.5°	6608.3	6747.6	7103.7	7658.0	8271.2	8791.4	8478.7	7648.8	6955.1	6710.5	6766.2
55°	4598.5	4601.6	5035.2	5852.7	6936.5	8162.8	8184.5	7704.5	7035.6	6883.9	6887.0
57.5°	1848.7	1941.6	2273.0	3093.6	4093.8	5605.0	6664.0	7147.1	7044.9	7007.7	7103.7
60°	467.6	470.7	572.9	873.3	1439.9	2403.0	3489.9	4722.4	5437.7	5682.4	5716.4
62.5°	238.4	241.5	266.3	309.7	393.3	644.1	1145.8	1817.7	2585.7	2975.9	3078.1
65°	195.1	195.1	210.6	232.2	235.3	247.7	297.3	424.2	616.2	699.8	709.1
67.5°	148.6	148.6	161.0	173.4	179.6	176.5	170.3	176.5	213.7	204.4	198.2
70°	92.9	96.0	102.2	114.6	120.8	123.9	127.0	133.2	151.7	157.9	151.7
72.5°	55.7	55.7	58.8	68.1	77.4	83.6	92.9	99.1	108.4	123.9	120.8
75°	24.8	24.8	31.0	40.3	49.5	58.8	68.1	77.4	83.6	92.9	96.0
77.5°	6.2	9.3	15.5	27.9	37.2	49.5	61.9	71.2	77.4	77.4	74.3
80°	3.1	3.1	12.4	21.7	40.3	52.6	68.1	74.3	83.6	77.4	68.1
82.5°	3.1	3.1	12.4	21.7	37.2	52.6	71.2	80.5	86.7	77.4	65.0
85°	0.0	3.1	9.3	18.6	31.0	37.2	31.0	21.7	12.4	12.4	9.3
87.5°	0.0	0.0	3.1	3.1	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)