

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: P533507

Luminaire Tested: **GALN-SA9A-722-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533507  
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-SA9A-722-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2200K, 615mA 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: 19696 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

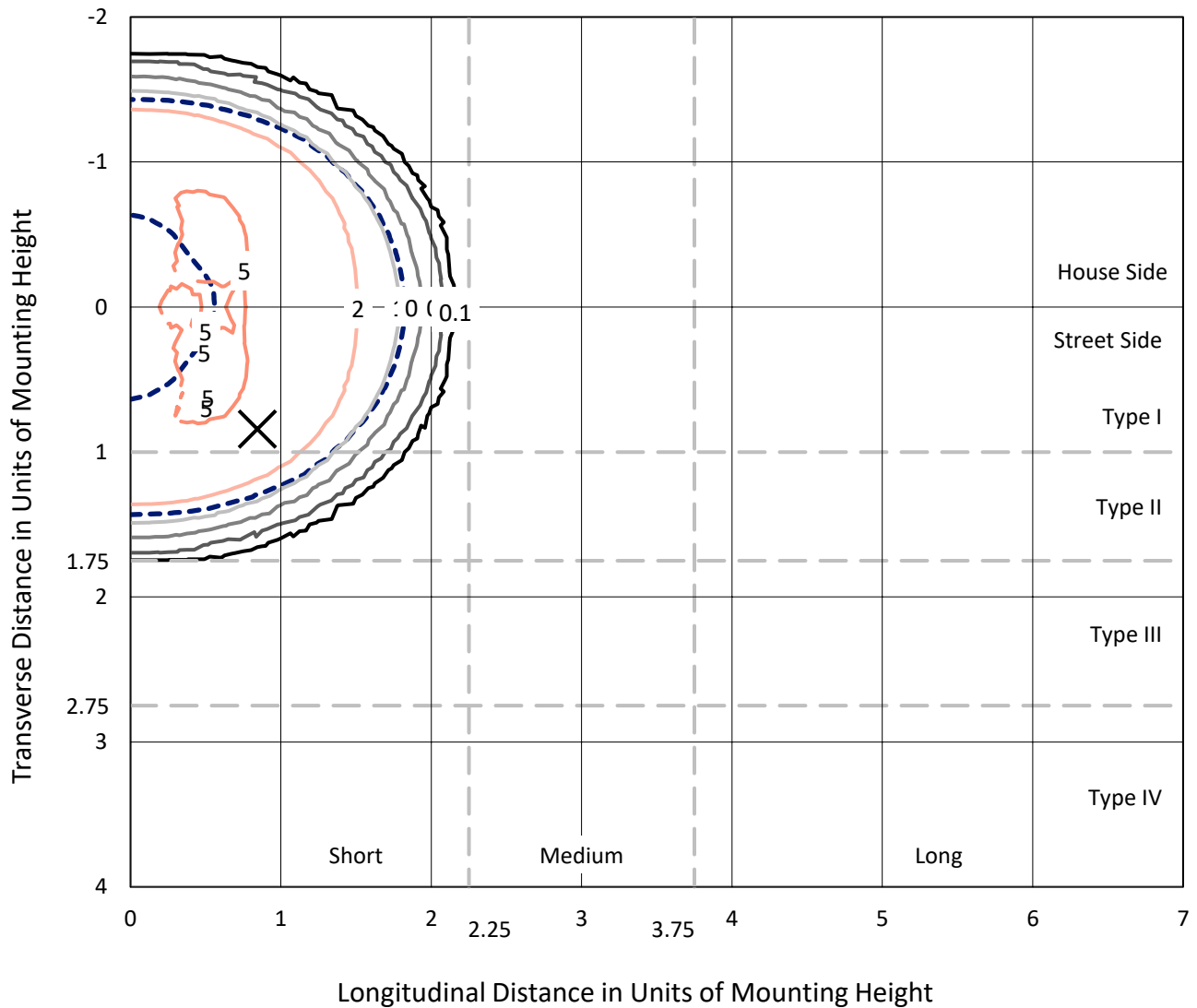
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

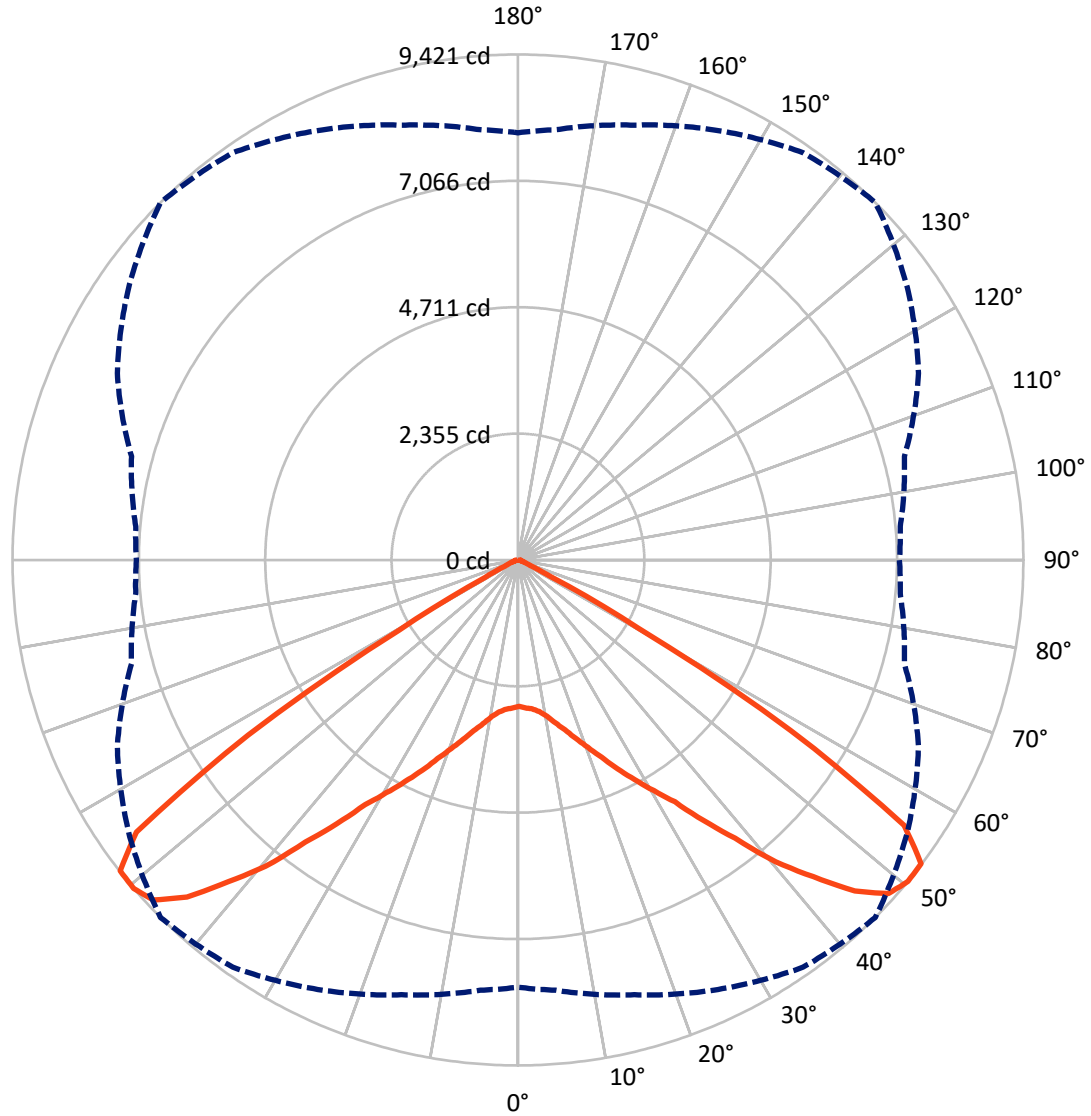
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	9848.0	0.0	9848.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9848.0	0.0	9848.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19696.0	0.0	19696.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.7	1.4
10°-20°	936.3	4.8
20°-30°	1912.3	9.7
30°-40°	3646.7	18.5
40°-50°	6145.2	31.2
50°-60°	5860.5	29.8
60°-70°	818.1	4.2
70°-80°	78.2	0.4
80°-90°	27.0	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°	19696.0	100.0
0°-180°	19696.0	100.0

**Coefficient of Utilization**



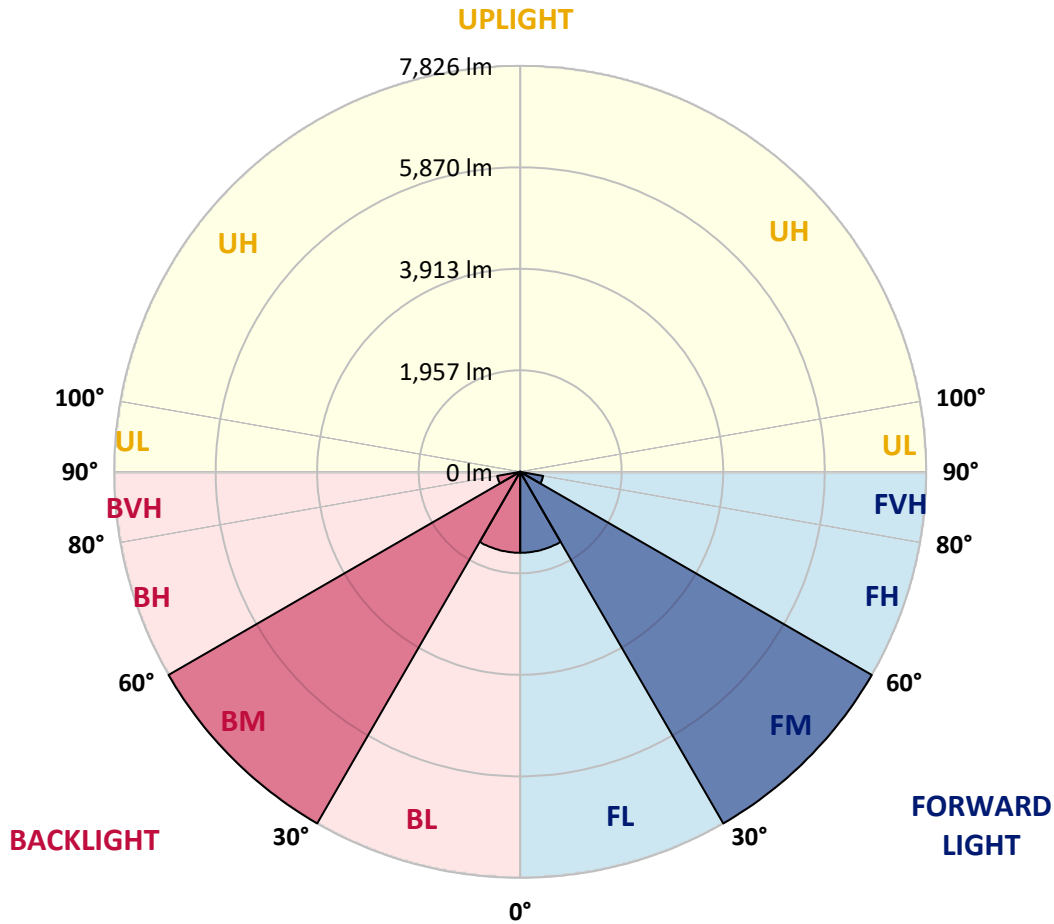
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1560.1	7.9			
FM (30°-60°)	7826.2	39.7			
FH (60°-80°)	448.2	2.3			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	1560.1	7.9	B3/2500		
BM (30°-60°)	7826.2	39.7	B4/8500		
BH (60°-80°)	448.2	2.3	B1/500		G0/660
BVH (80°-90°)	13.5	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°	2730.6	2730.6	2730.6	2730.6	2730.6	2730.6	2730.6	2730.6	2730.6	2730.6	2730.6
2.5°	2720.7	2720.7	2717.4	2743.9	2730.6	2760.5	2757.1	2767.1	2777.0	2773.7	2800.2
5°	2697.5	2694.2	2694.2	2724.0	2753.8	2787.0	2816.8	2836.7	2869.8	2869.8	2903.0
7.5°	2720.7	2704.1	2727.3	2740.6	2796.9	2853.2	2903.0	2942.7	3018.9	3045.5	3035.5
10°	2727.3	2747.2	2763.8	2803.5	2873.1	2959.3	3002.4	3101.8	3187.9	3247.6	3260.9
12.5°	2770.4	2800.2	2846.6	2942.7	3005.7	3118.4	3178.0	3274.1	3393.4	3459.7	3506.1
15°	2853.2	2863.2	2922.8	3045.5	3181.3	3284.1	3376.8	3446.4	3562.4	3638.6	3641.9
17.5°	2959.3	3002.4	3085.2	3201.2	3343.7	3496.1	3569.0	3645.3	3688.3	3791.1	3814.3
20°	3171.4	3178.0	3257.5	3410.0	3588.9	3728.1	3781.1	3820.9	3804.3	3910.4	3930.3
22.5°	3370.2	3376.8	3476.3	3681.7	3873.9	3993.2	4016.4	3993.2	3943.5	4019.7	4026.4
25°	3572.4	3632.0	3704.9	3910.4	4149.0	4308.0	4311.4	4248.4	4145.7	4158.9	4192.1
27.5°	3887.2	3930.3	4006.5	4195.4	4457.2	4636.1	4606.3	4530.1	4397.5	4407.5	4397.5
30°	4255.0	4294.8	4357.7	4599.7	4791.9	4987.4	5030.5	4957.6	4758.7	4715.6	4765.4
32.5°	4699.1	4755.4	4871.4	5093.4	5255.8	5375.1	5404.9	5378.4	5192.8	5176.3	5209.4
35°	5239.2	5315.5	5421.5	5617.0	5749.6	5965.0	5965.0	5875.5	5706.5	5726.4	5723.1
37.5°	5809.2	5921.9	6087.6	6286.4	6465.4	6581.4	6544.9	6468.7	6299.7	6256.6	6299.7
40°	6525.0	6581.4	6790.1	7048.6	7267.3	7399.9	7244.1	7078.4	6674.1	6737.1	6853.1
42.5°	7177.9	7267.3	7426.4	7711.4	7959.9	8069.3	7883.7	7555.6	7068.5	7018.8	7104.9
45°	7734.6	7830.7	8039.5	8447.1	8708.9	8805.0	8394.0	7863.8	7307.1	7181.2	7217.6
47.5°	8105.7	8155.4	8447.1	8834.8	9073.4	9292.1	8702.2	8075.9	7419.8	7181.2	7167.9
50°	7963.2	8049.4	8390.7	8831.5	9265.6	9421.3	8858.0	8238.3	7456.2	7151.3	7111.6
52.5°	7071.8	7220.9	7602.0	8195.2	8851.4	9408.1	9073.4	8185.3	7443.0	7181.2	7240.8
55°	4921.1	4924.4	5388.4	6263.2	7423.1	8735.4	8758.6	8244.9	7529.1	7366.7	7370.1
57.5°	1978.4	2077.8	2432.4	3310.6	4380.9	5998.1	7131.5	7648.4	7539.1	7499.3	7602.0
60°	500.4	503.7	613.1	934.5	1541.0	2571.6	3734.7	5053.7	5819.2	6081.0	6117.4
62.5°	255.2	258.5	285.0	331.4	420.9	689.3	1226.1	1945.2	2767.1	3184.6	3294.0
65°	208.8	208.8	225.3	248.5	251.9	265.1	318.1	454.0	659.5	748.9	758.9
67.5°	159.1	159.1	172.3	185.6	192.2	188.9	182.3	188.9	228.7	218.7	212.1
70°	99.4	102.7	109.4	122.6	129.2	132.6	135.9	142.5	162.4	169.0	162.4
72.5°	59.6	59.6	63.0	72.9	82.8	89.5	99.4	106.0	116.0	132.6	129.2
75°	26.5	26.5	33.1	43.1	53.0	63.0	72.9	82.8	89.5	99.4	102.7
77.5°	6.6	9.9	16.6	29.8	39.8	53.0	66.3	76.2	82.8	82.8	79.5
80°	3.3	3.3	13.3	23.2	43.1	56.3	72.9	79.5	89.5	82.8	72.9
82.5°	3.3	3.3	13.3	23.2	39.8	56.3	76.2	86.2	92.8	82.8	69.6
85°	0.0	3.3	9.9	19.9	33.1	39.8	33.1	23.2	13.3	13.3	9.9
87.5°	0.0	0.0	3.3	3.3	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)