

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: P651996

Luminaire Tested: **GALN-SA7A-840-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651996  
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-SA7A-840-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 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: 17311.1 lumens  
Efficiency: N/A  
Efficacy: 80.5 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

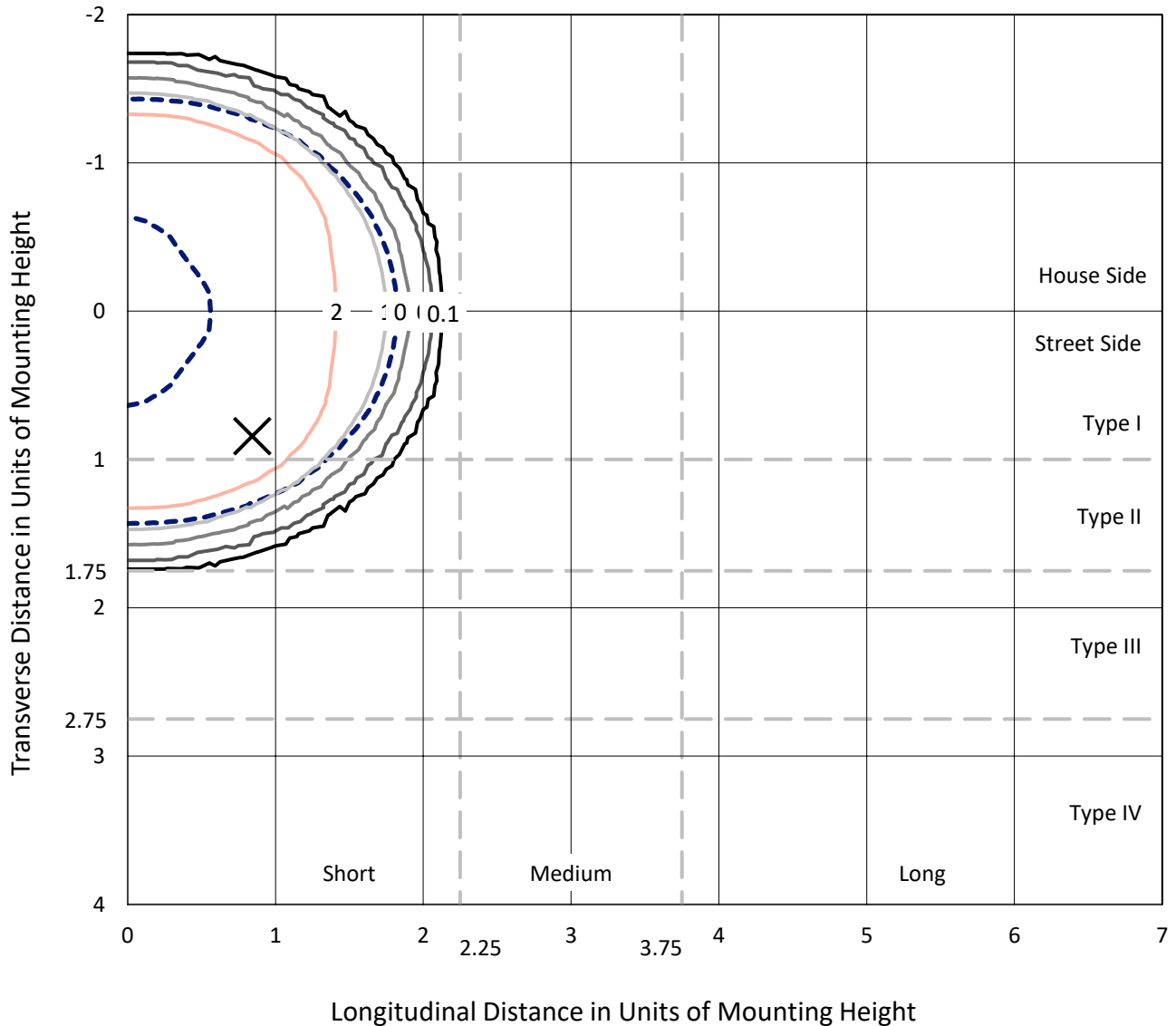
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

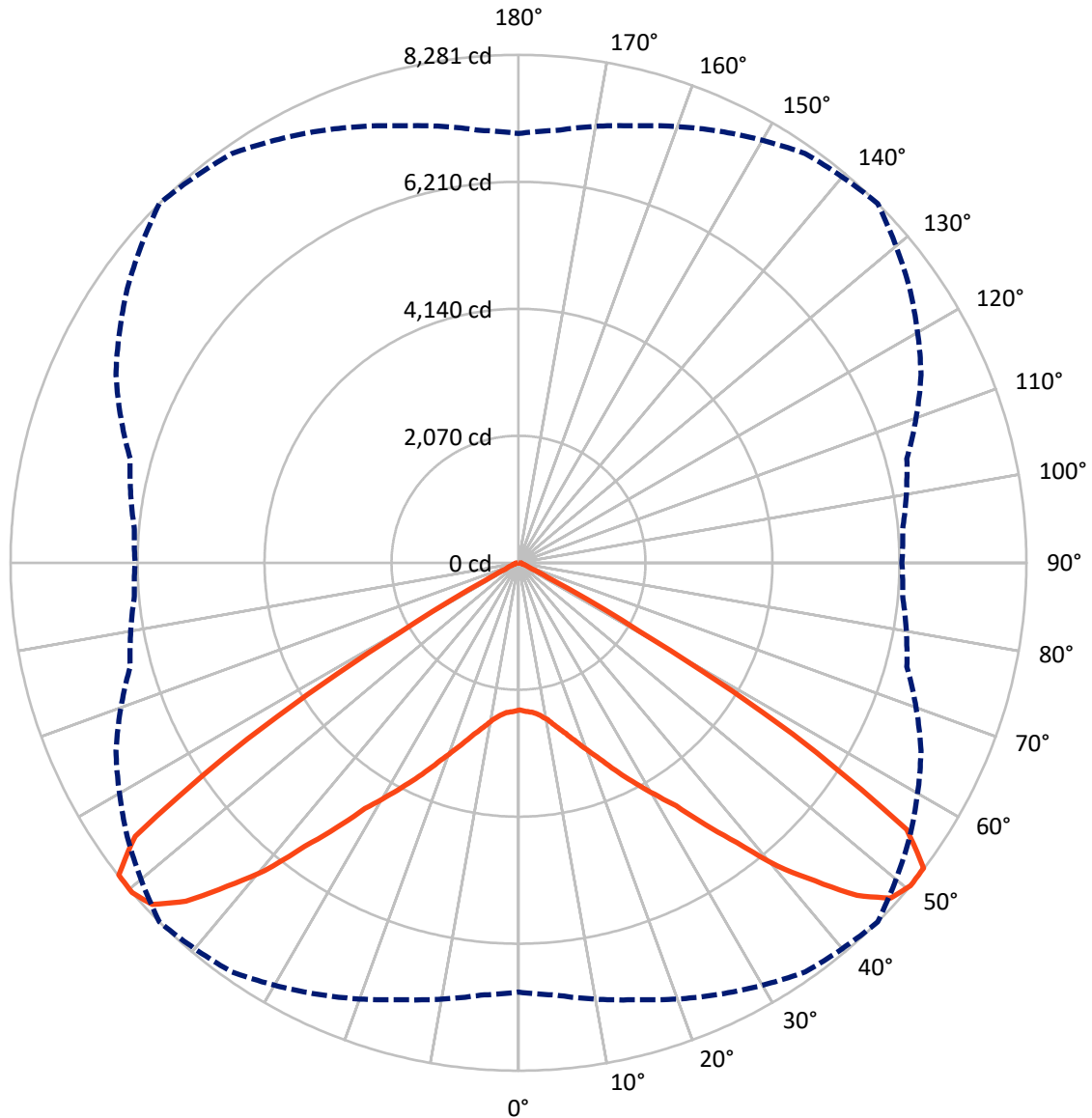
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	8655.6	0.0	8655.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8655.6	0.0	8655.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17311.1	0.0	17311.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.8	1.4
10°-20°	822.9	4.8
20°-30°	1680.7	9.7
30°-40°	3205.1	18.5
40°-50°	5401.1	31.2
50°-60°	5150.9	29.8
60°-70°	719.0	4.2
70°-80°	68.8	0.4
80°-90°	23.8	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°	17311.1	100.0
0°-180°	17311.1	100.0

**Coefficient of Utilization**

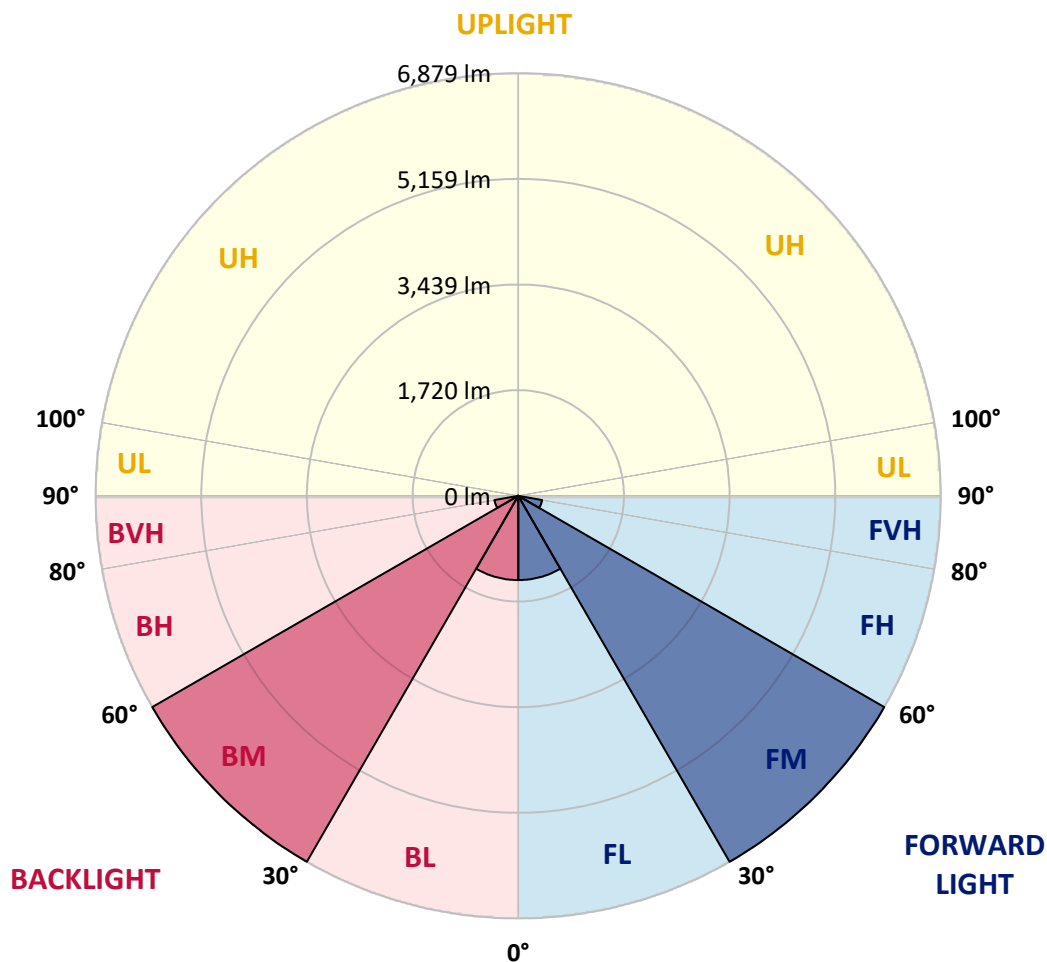


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.2	7.9			
FM (30°-60°)	6878.6	39.7			
FH (60°-80°)	393.9	2.3			G0/660
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	1371.2	7.9	B3/2500		
BM (30°-60°)	6878.6	39.7	B4/8500		
BH (60°-80°)	393.9	2.3	B1/500		G0/660
BVH (80°-90°)	11.9	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°	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0
2.5°	2391.3	2391.3	2388.4	2411.7	2400.0	2426.2	2423.3	2432.0	2440.8	2437.9	2461.2
5°	2370.9	2367.9	2367.9	2394.2	2420.4	2449.5	2475.7	2493.2	2522.3	2522.3	2551.4
7.5°	2391.3	2376.7	2397.1	2408.7	2458.2	2507.8	2551.4	2586.4	2653.4	2676.7	2668.0
10°	2397.1	2414.6	2429.1	2464.0	2525.3	2601.0	2638.8	2726.2	2802.0	2854.4	2866.0
12.5°	2434.9	2461.2	2502.0	2586.4	2641.7	2740.7	2793.2	2877.6	2982.5	3040.8	3081.6
15°	2507.8	2516.5	2568.9	2676.7	2796.2	2886.4	2968.0	3029.1	3131.0	3198.1	3200.9
17.5°	2601.0	2638.8	2711.6	2813.6	2938.9	3072.8	3136.9	3203.9	3241.7	3332.0	3352.4
20°	2787.4	2793.2	2863.1	2997.1	3154.3	3276.7	3323.3	3358.3	3343.6	3436.9	3454.4
22.5°	2962.2	2968.0	3055.4	3235.9	3404.9	3509.7	3530.1	3509.7	3466.0	3533.0	3538.8
25°	3139.8	3192.3	3256.4	3436.9	3646.6	3786.4	3789.3	3734.0	3643.7	3655.3	3684.5
27.5°	3416.5	3454.4	3521.4	3687.4	3917.5	4074.7	4048.6	3981.5	3865.1	3873.8	3865.1
30°	3739.8	3774.7	3830.1	4042.7	4211.6	4383.5	4421.4	4357.3	4182.5	4144.7	4188.3
32.5°	4130.1	4179.6	4281.5	4476.7	4619.4	4724.2	4750.5	4727.2	4564.1	4549.5	4578.7
35°	4604.9	4671.8	4765.0	4936.9	5053.4	5242.7	5242.7	5164.1	5015.6	5033.0	5030.1
37.5°	5105.8	5204.9	5350.5	5525.2	5682.6	5784.5	5752.4	5685.4	5536.9	5499.0	5536.9
40°	5734.9	5784.5	5968.0	6195.1	6387.4	6503.9	6367.0	6221.4	5866.1	5921.4	6023.3
42.5°	6308.8	6387.4	6527.2	6777.7	6996.1	7092.2	6929.2	6640.8	6212.6	6168.9	6244.7
45°	6798.1	6882.5	7066.0	7424.3	7654.4	7738.8	7377.7	6911.7	6422.3	6311.6	6343.7
47.5°	7124.3	7167.9	7424.3	7765.0	7974.8	8167.0	7648.6	7098.0	6521.4	6311.6	6300.0
50°	6999.1	7074.7	7374.7	7762.1	8143.7	8280.6	7785.5	7240.8	6553.4	6285.5	6250.5
52.5°	6215.5	6346.6	6681.6	7202.9	7779.6	8269.0	7974.8	7194.2	6541.7	6311.6	6364.1
55°	4325.3	4328.1	4735.9	5504.8	6524.3	7677.7	7698.1	7246.6	6617.5	6474.8	6477.6
57.5°	1738.9	1826.2	2137.8	2909.7	3850.5	5271.8	6268.0	6722.4	6626.2	6591.3	6681.6
60°	439.8	442.7	538.8	821.3	1354.3	2260.2	3282.5	4441.7	5114.5	5344.6	5376.7
62.5°	224.3	227.2	250.4	291.2	369.9	605.9	1077.7	1709.7	2432.0	2799.0	2895.1
65°	183.5	183.5	198.1	218.4	221.4	233.0	279.6	399.1	579.6	658.3	667.0
67.5°	139.8	139.8	151.5	163.1	169.0	166.0	160.2	166.0	201.0	192.3	186.4
70°	87.4	90.3	96.1	107.7	113.6	116.5	119.4	125.2	142.7	148.5	142.7
72.5°	52.4	52.4	55.3	64.1	72.8	78.6	87.4	93.2	101.9	116.5	113.6
75°	23.3	23.3	29.1	37.8	46.6	55.3	64.1	72.8	78.6	87.4	90.3
77.5°	5.8	8.7	14.5	26.2	35.0	46.6	58.3	67.0	72.8	72.8	69.9
80°	2.9	2.9	11.7	20.4	37.8	49.5	64.1	69.9	78.6	72.8	64.1
82.5°	2.9	2.9	11.7	20.4	35.0	49.5	67.0	75.7	81.6	72.8	61.1
85°	0.0	2.9	8.7	17.5	29.1	35.0	29.1	20.4	11.7	11.7	8.7
87.5°	0.0	0.0	2.9	2.9	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)