

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: P648476

Luminaire Tested: **GALN-SA6B-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648476  
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-SA6B-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 800mA 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: 17074.1 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

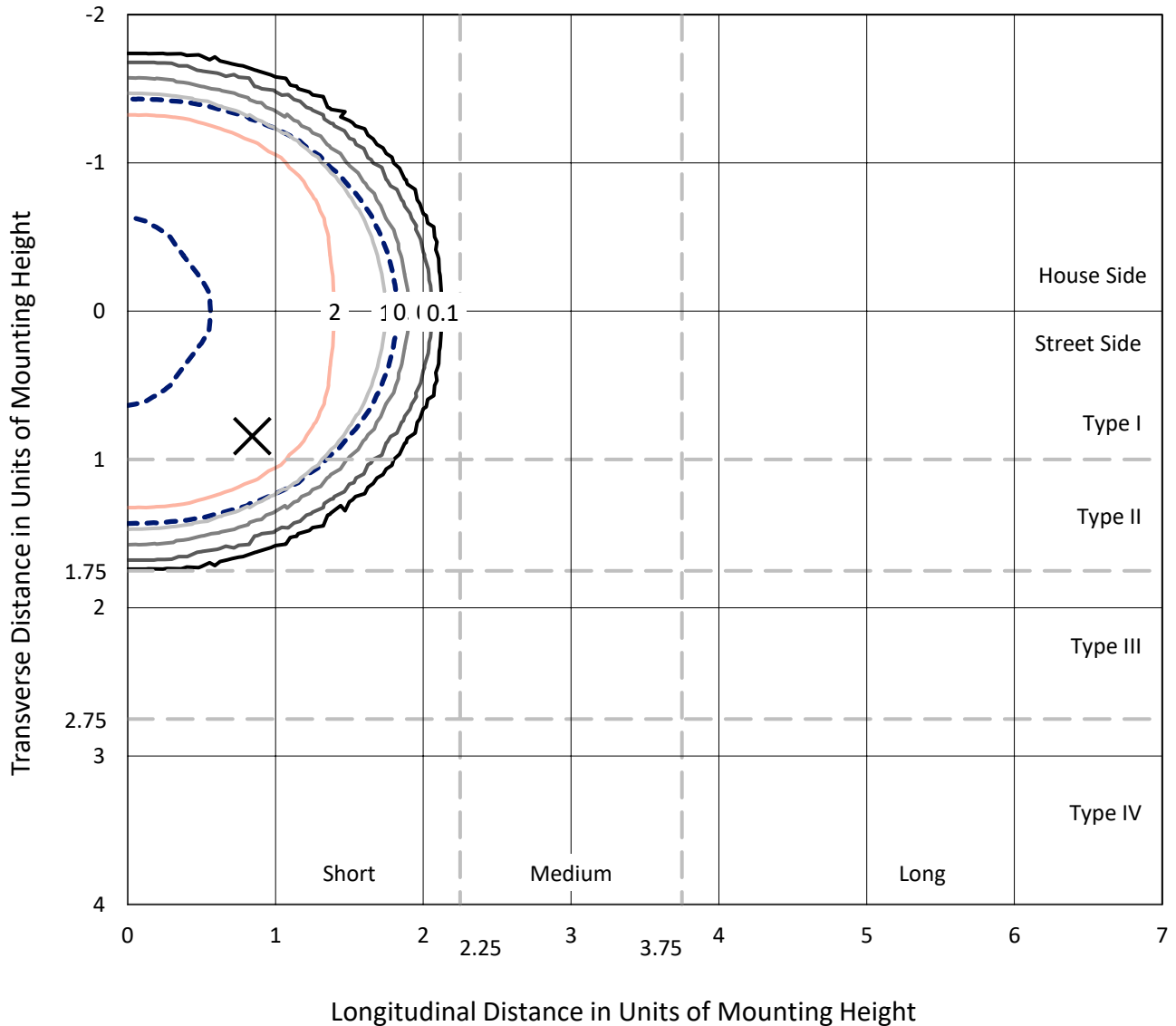
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

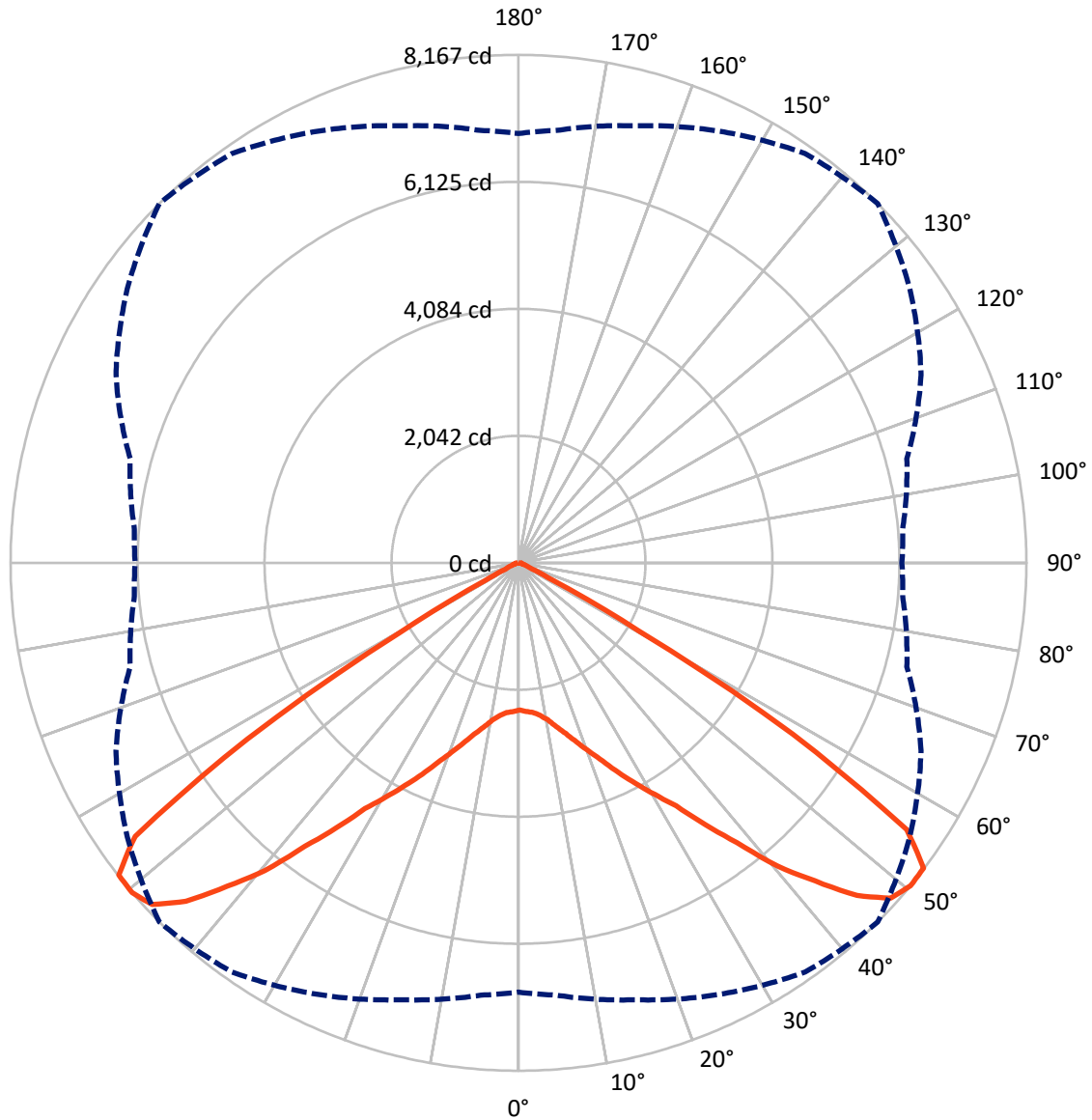
× Max cd  
 - - - 1/2 Max cd



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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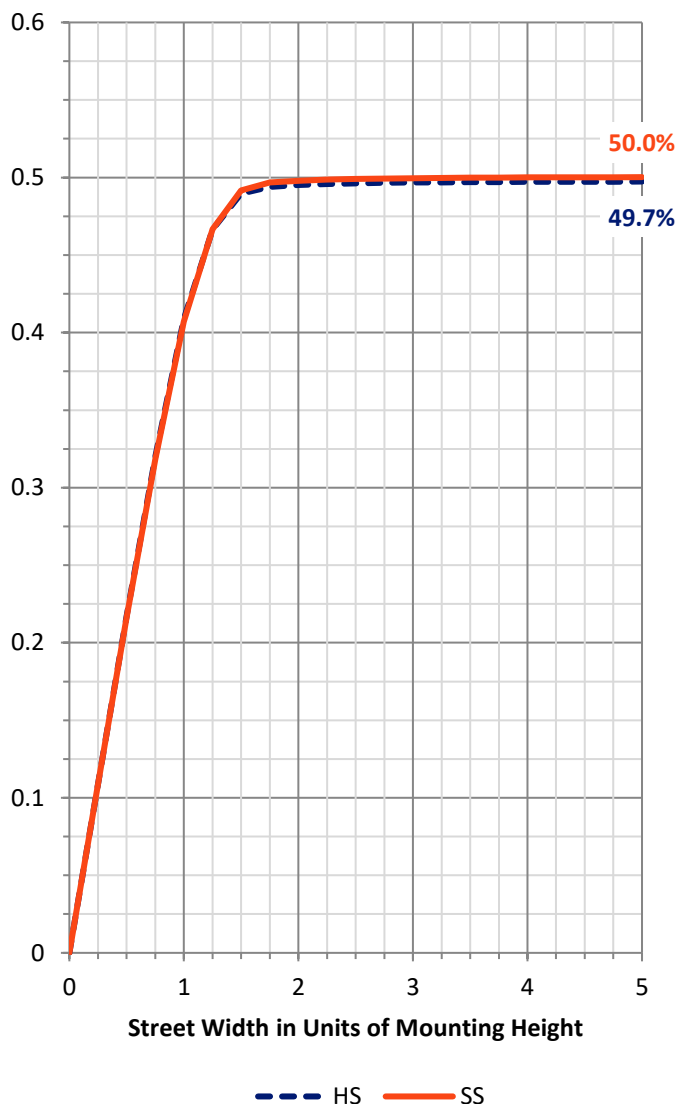
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8537.1	0.0	8537.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8537.1	0.0	8537.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17074.1	0.0	17074.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.5	1.4
10°-20°	811.6	4.8
20°-30°	1657.7	9.7
30°-40°	3161.2	18.5
40°-50°	5327.2	31.2
50°-60°	5080.4	29.8
60°-70°	709.2	4.2
70°-80°	67.8	0.4
80°-90°	23.4	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°	17074.1	100.0
0°-180°	17074.1	100.0

**Coefficient of Utilization**

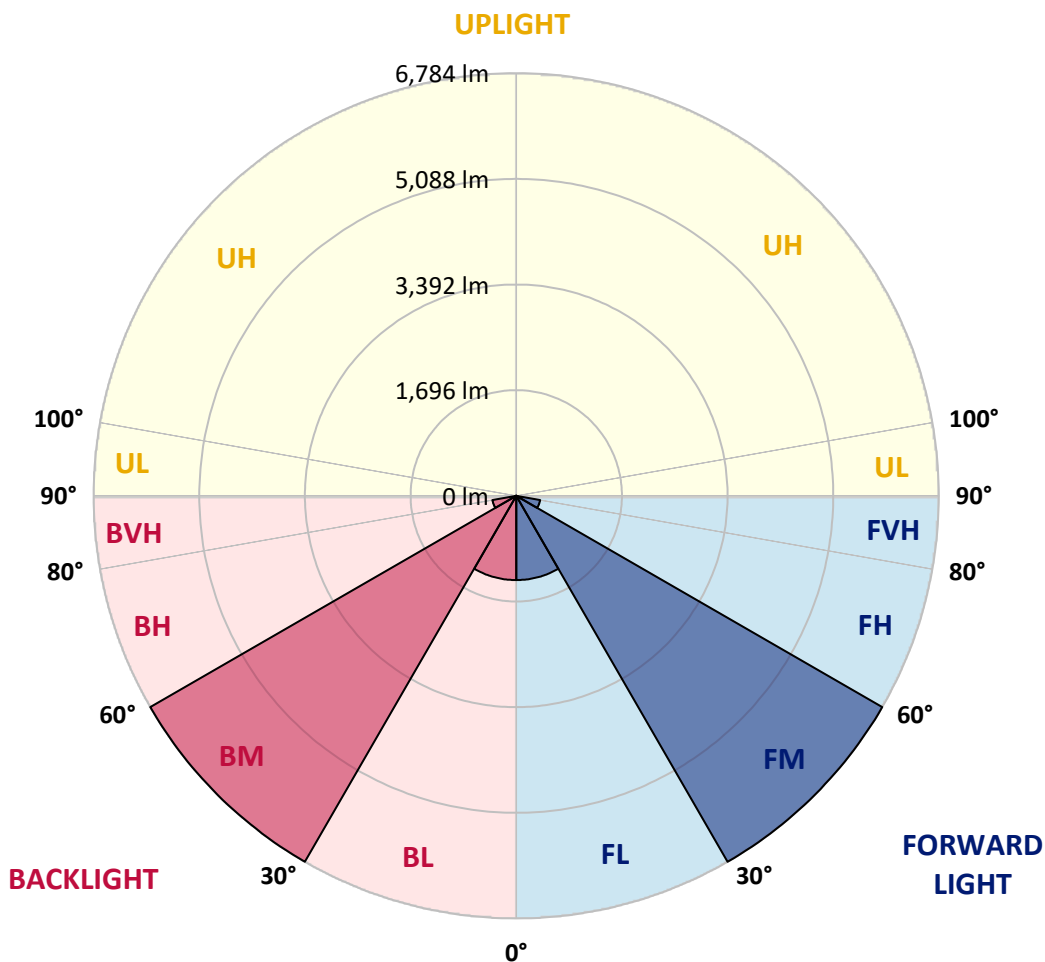


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1352.4	7.9			
FM (30°-60°)	6784.4	39.7			
FH (60°-80°)	388.5	2.3			G0/660
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	1352.4	7.9	B3/2500		
BM (30°-60°)	6784.4	39.7	B4/8500		
BH (60°-80°)	388.5	2.3	B1/500		G0/660
BVH (80°-90°)	11.7	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°	2367.2	2367.2	2367.2	2367.2	2367.2	2367.2	2367.2	2367.2	2367.2	2367.2	2367.2
2.5°	2358.6	2358.6	2355.7	2378.6	2367.2	2393.0	2390.1	2398.7	2407.3	2404.5	2427.5
5°	2338.4	2335.5	2335.5	2361.4	2387.2	2415.9	2441.9	2459.1	2487.8	2487.8	2516.5
7.5°	2358.6	2344.1	2364.3	2375.8	2424.6	2473.4	2516.5	2551.0	2617.1	2640.0	2631.4
10°	2364.3	2381.5	2395.9	2430.4	2490.6	2565.3	2602.7	2688.9	2763.6	2815.3	2826.8
12.5°	2401.6	2427.5	2467.7	2551.0	2605.6	2703.2	2755.0	2838.3	2941.7	2999.1	3039.4
15°	2473.4	2482.0	2533.8	2640.0	2757.8	2846.9	2927.3	2987.6	3088.2	3154.2	3157.1
17.5°	2565.3	2602.7	2674.5	2775.0	2898.6	3030.8	3093.9	3160.0	3197.4	3286.4	3306.5
20°	2749.2	2755.0	2823.9	2956.1	3111.2	3231.8	3277.8	3312.2	3297.9	3389.8	3407.1
22.5°	2921.6	2927.3	3013.5	3191.6	3358.2	3461.6	3481.8	3461.6	3418.6	3484.7	3490.4
25°	3096.8	3148.5	3211.7	3389.8	3596.6	3734.6	3737.4	3682.8	3593.8	3605.3	3634.0
27.5°	3369.7	3407.1	3473.2	3636.9	3863.9	4019.0	3993.1	3927.1	3812.1	3820.7	3812.1
30°	3688.6	3723.1	3777.7	3987.3	4154.0	4323.5	4360.8	4297.7	4125.2	4087.9	4131.0
32.5°	4073.6	4122.4	4223.0	4415.4	4556.2	4659.6	4685.5	4662.5	4501.5	4487.2	4516.0
35°	4541.8	4607.9	4699.8	4869.3	4984.2	5170.9	5170.9	5093.3	4946.8	4964.1	4961.2
37.5°	5035.9	5133.6	5277.2	5449.6	5604.7	5705.3	5673.6	5607.6	5461.1	5423.8	5461.1
40°	5656.4	5705.3	5886.2	6110.3	6299.9	6414.8	6279.8	6136.1	5785.7	5840.2	5940.9
42.5°	6222.3	6299.9	6437.8	6684.9	6900.3	6995.1	6834.3	6549.9	6127.5	6084.5	6159.2
45°	6705.0	6788.3	6969.2	7322.6	7549.5	7632.8	7276.7	6817.0	6334.4	6225.2	6256.8
47.5°	7026.7	7069.8	7322.6	7658.7	7865.5	8055.2	7543.8	7000.9	6432.0	6225.2	6213.7
50°	6903.2	6977.9	7273.8	7655.9	8032.2	8167.2	7678.8	7141.7	6463.7	6199.4	6164.9
52.5°	6130.4	6259.7	6590.0	7104.3	7673.1	8155.7	7865.5	7095.6	6452.2	6225.2	6276.9
55°	4266.0	4268.9	4671.1	5429.5	6434.9	7572.5	7592.7	7147.4	6526.9	6386.1	6389.0
57.5°	1715.0	1801.2	2108.6	2869.9	3797.8	5199.7	6182.1	6630.3	6535.5	6501.0	6590.0
60°	433.8	436.7	531.4	810.1	1335.8	2229.3	3237.5	4381.0	5044.6	5271.5	5303.1
62.5°	221.2	224.1	247.0	287.3	364.8	597.5	1062.9	1686.3	2398.7	2760.7	2855.5
65°	181.0	181.0	195.4	215.5	218.3	229.8	275.8	393.5	571.7	649.3	657.9
67.5°	137.9	137.9	149.4	160.9	166.6	163.7	158.0	163.7	198.3	189.6	183.8
70°	86.2	89.0	94.8	106.3	112.0	114.9	117.8	123.6	140.8	146.5	140.8
72.5°	51.7	51.7	54.6	63.2	71.8	77.6	86.2	91.9	100.5	114.9	112.0
75°	23.0	23.0	28.7	37.3	46.0	54.6	63.2	71.8	77.6	86.2	89.0
77.5°	5.7	8.6	14.3	25.8	34.5	46.0	57.5	66.1	71.8	71.8	69.0
80°	2.9	2.9	11.5	20.1	37.3	48.9	63.2	69.0	77.6	71.8	63.2
82.5°	2.9	2.9	11.5	20.1	34.5	48.9	66.1	74.7	80.4	71.8	60.3
85°	0.0	2.9	8.6	17.2	28.7	34.5	28.7	20.1	11.5	11.5	8.6
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)