

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: P648478

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

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648478  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-835-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27258.6 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

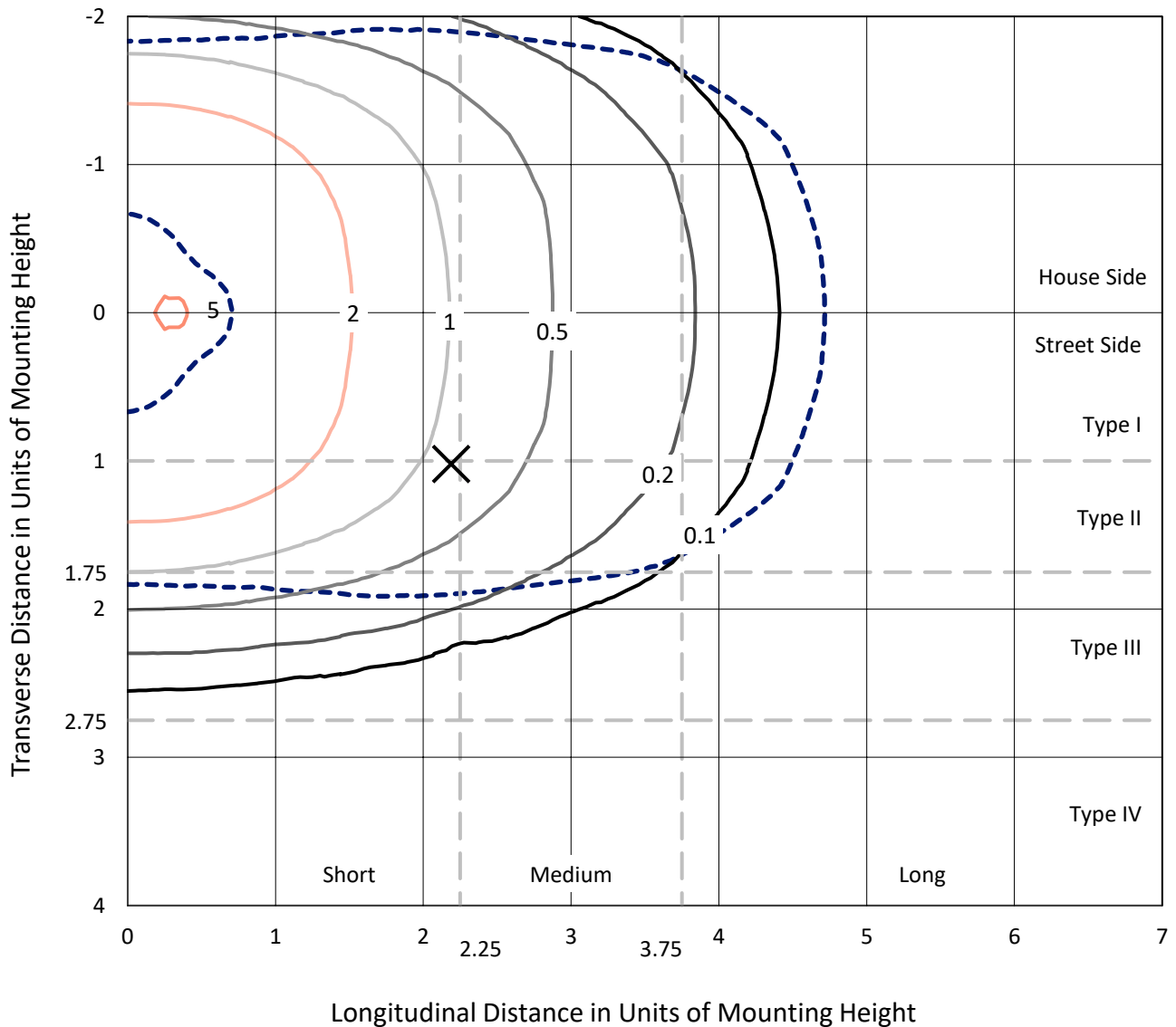
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

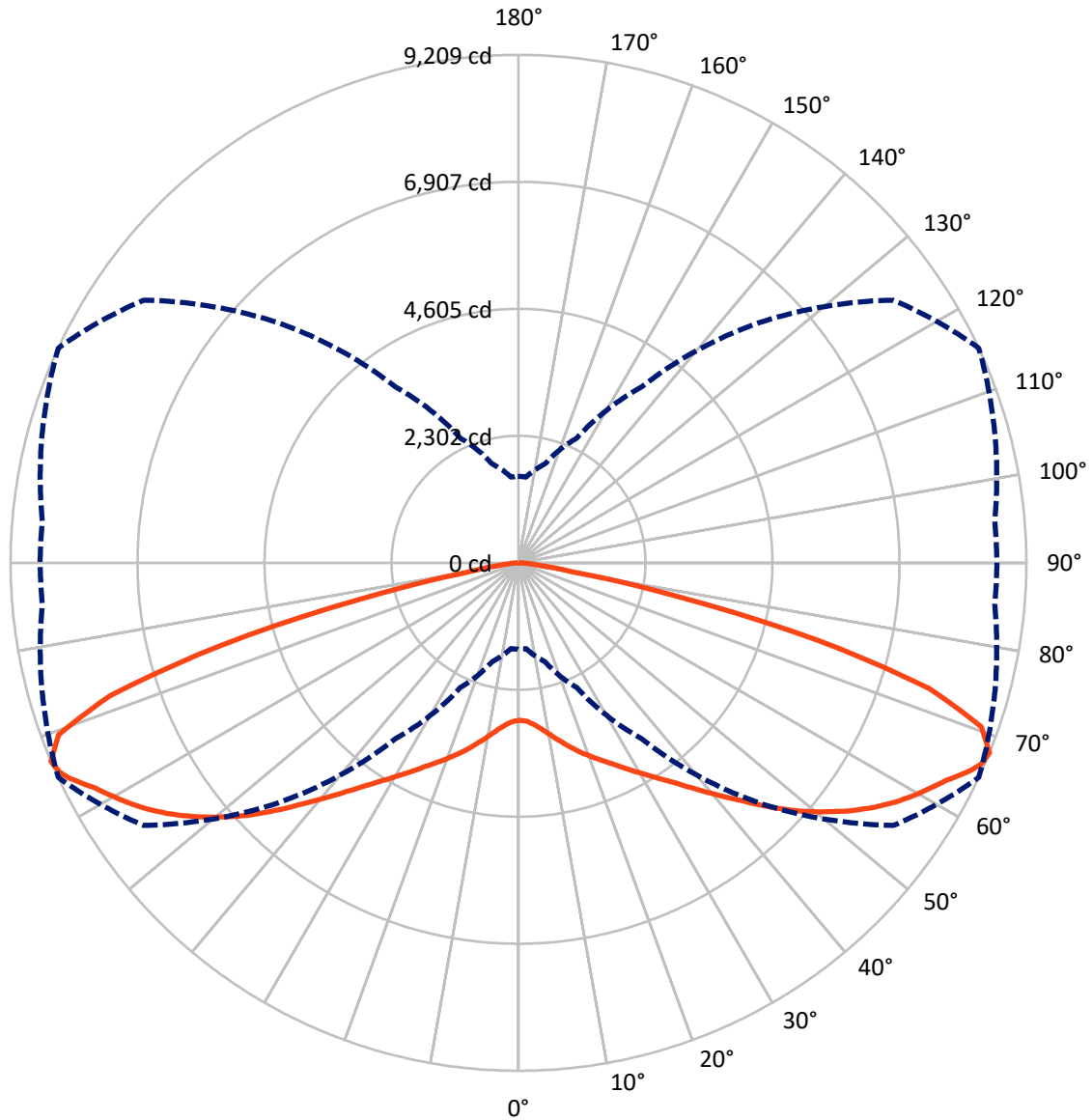
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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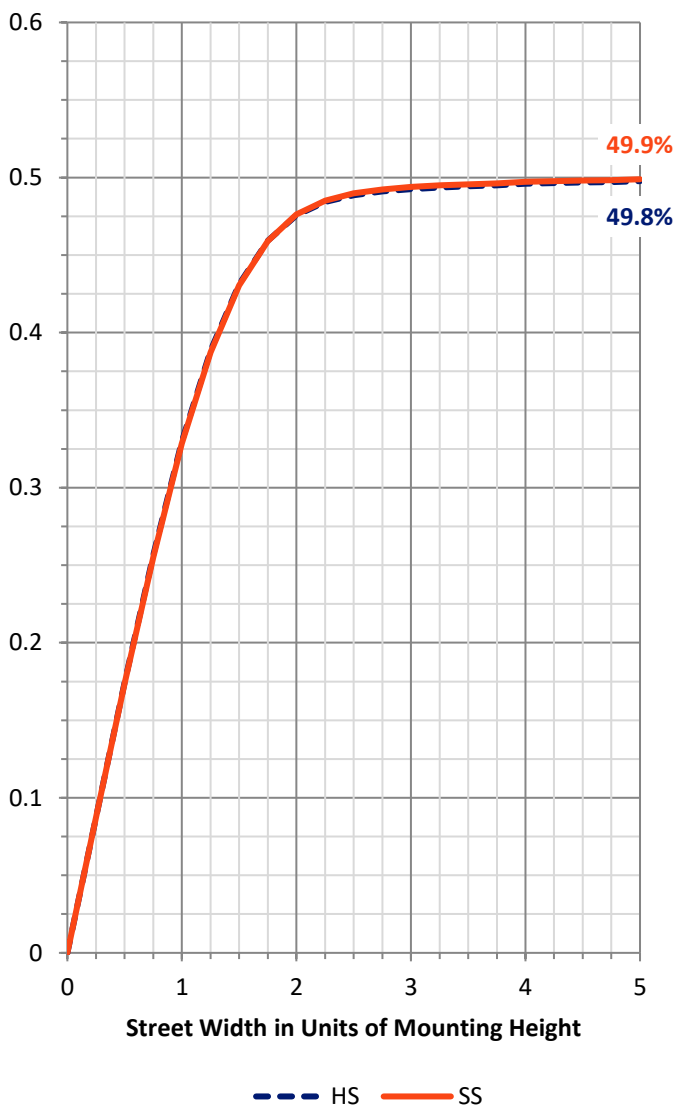
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13629.3	0.0	13629.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13629.3	0.0	13629.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27258.6	0.0	27258.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.6	1.0
10°-20°	942.5	3.5
20°-30°	1843.5	6.8
30°-40°	3135.6	11.5
40°-50°	4962.7	18.2
50°-60°	6580.4	24.1
60°-70°	6207.3	22.8
70°-80°	3068.6	11.3
80°-90°	236.5	0.9
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°	27258.6	100.0
0°-180°	27258.6	100.0

**Coefficient of Utilization**

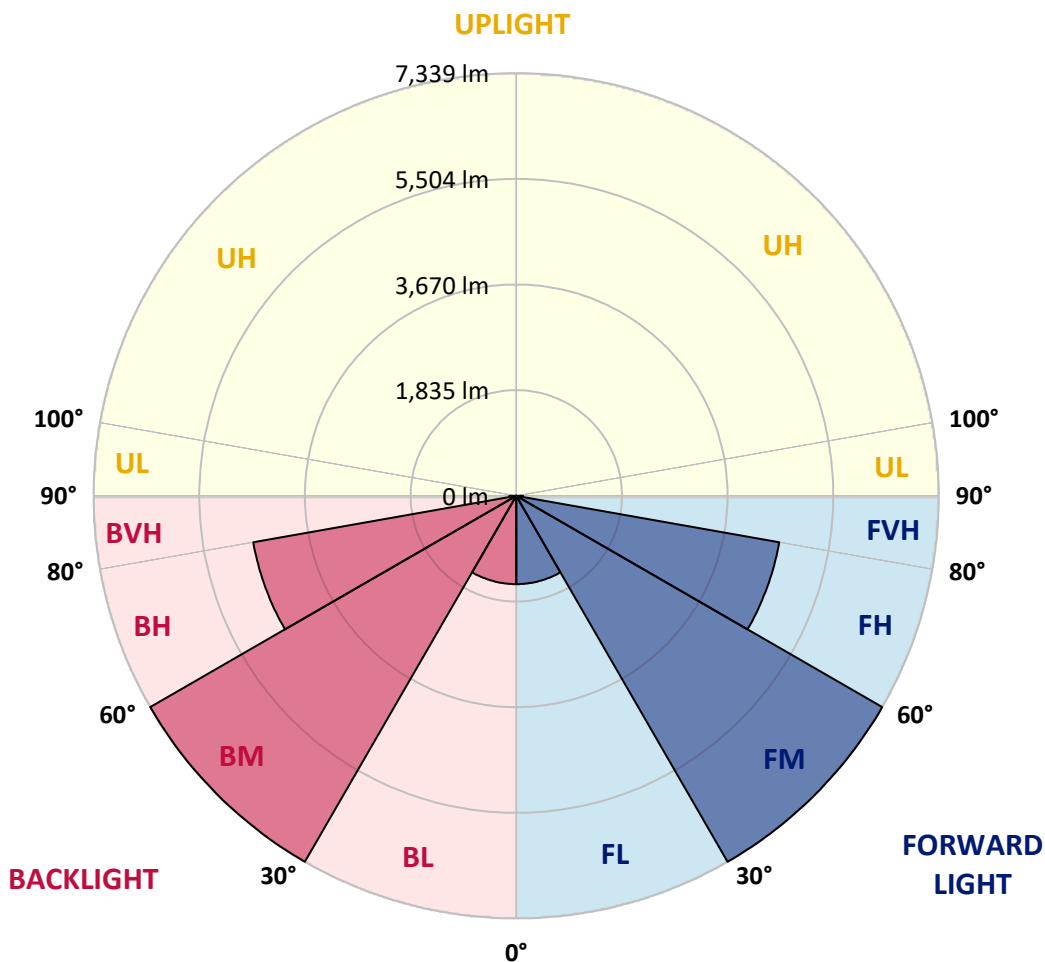


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.8	5.6			
FM (30°-60°)	7339.3	26.9			
FH (60°-80°)	4638.0	17.0			G2/5000
FVH (80°-90°)	118.2	0.4			G2/225
BL (0°-30°)	1533.8	5.6	B3/2500		
BM (30°-60°)	7339.3	26.9	B4/8500		
BH (60°-80°)	4638.0	17.0	B4/5000		G4/5000
BVH (80°-90°)	118.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2855.1	2855.1	2855.1	2855.1	2855.1	2855.1	2855.1	2855.1	2855.1	2855.1	2855.1
2.5°	2840.5	2843.4	2846.4	2850.7	2856.5	2865.3	2871.2	2875.6	2887.2	2888.7	2887.2
5°	2830.2	2833.2	2840.5	2853.6	2872.6	2898.9	2919.3	2944.2	2963.2	2976.3	2973.4
7.5°	2828.8	2834.6	2846.4	2874.1	2910.6	2955.8	3002.6	3044.9	3081.5	3110.7	3106.3
10°	2852.2	2859.5	2878.5	2919.3	2976.3	3042.0	3107.7	3170.5	3223.1	3261.1	3274.3
12.5°	2891.6	2897.4	2932.5	2993.8	3075.6	3157.4	3231.9	3309.3	3382.3	3446.5	3446.5
15°	2960.2	2970.5	3014.3	3103.3	3204.1	3299.1	3375.0	3456.8	3535.6	3608.7	3630.5
17.5°	3055.2	3069.8	3135.5	3249.4	3377.9	3465.6	3537.1	3604.3	3672.9	3743.1	3753.2
20°	3185.2	3199.7	3287.3	3424.7	3576.5	3681.7	3729.9	3746.0	3779.5	3846.7	3855.5
22.5°	3361.9	3376.5	3474.3	3629.1	3798.5	3912.4	3932.9	3894.9	3886.1	3938.7	3944.6
25°	3561.9	3575.1	3687.5	3854.0	4029.2	4153.4	4147.6	4054.1	4001.5	4033.6	4042.4
27.5°	3786.8	3805.8	3919.7	4092.0	4281.9	4391.5	4373.9	4238.1	4125.6	4119.8	4122.7
30°	4074.5	4095.0	4203.1	4368.0	4555.0	4655.8	4619.2	4436.7	4263.0	4204.5	4204.5
32.5°	4378.3	4429.4	4539.0	4711.3	4857.3	4930.3	4874.8	4655.8	4425.0	4343.2	4338.8
35°	4774.1	4801.8	4909.9	5077.8	5187.4	5244.3	5137.7	4902.6	4636.8	4540.4	4527.2
37.5°	5161.1	5184.5	5310.1	5470.7	5603.6	5600.6	5456.1	5196.1	4899.7	4791.6	4782.8
40°	5556.9	5581.7	5724.8	5872.3	6005.2	5993.5	5818.2	5527.7	5212.2	5091.0	5114.3
42.5°	5900.1	5927.8	6089.9	6300.2	6420.0	6417.0	6214.0	5886.9	5558.3	5450.2	5470.7
45°	6212.6	6237.4	6425.8	6666.8	6842.0	6863.9	6642.0	6295.8	5958.5	5819.7	5825.6
47.5°	6433.1	6479.8	6677.0	6953.0	7191.1	7268.4	7050.8	6712.0	6323.6	6179.0	6187.7
50°	6601.0	6630.2	6844.9	7158.9	7459.8	7620.4	7445.2	7097.6	6688.7	6535.3	6555.7
52.5°	6621.5	6656.5	6890.2	7252.4	7637.9	7881.8	7795.6	7474.4	7061.1	6903.3	6947.2
55°	6455.0	6475.4	6754.4	7194.0	7708.0	8076.0	8097.9	7824.8	7415.9	7296.2	7325.4
57.5°	5980.4	6032.9	6386.4	6920.9	7611.6	8179.8	8324.3	8143.2	7775.2	7656.9	7703.6
60°	5201.9	5254.6	5609.4	6287.0	7248.0	8131.5	8511.3	8425.1	8100.8	8005.9	8030.8
62.5°	4076.0	4071.6	4511.2	5342.2	6525.1	7895.0	8650.0	8696.7	8422.2	8302.4	8340.4
65°	2641.8	2655.0	3080.0	3975.2	5434.2	7293.3	8680.7	9042.9	8737.7	8556.5	8584.3
66°	2124.9	2164.3	2525.0	3350.1	4877.8	6898.9	8588.6	9145.0	8834.0	8615.0	8628.1
67.5°	1568.5	1561.1	1857.7	2494.4	3894.9	6149.8	8301.0	9209.3	8943.5	8667.5	8673.4
70°	895.2	893.8	999.0	1369.9	2289.9	4330.1	6996.8	8901.1	9165.5	8857.4	8841.3
72.5°	654.3	649.9	664.5	756.5	1117.2	2186.2	4826.6	7779.6	9051.6	8826.7	8781.4
75°	549.1	546.2	543.2	555.0	626.5	990.2	2561.6	5596.3	7854.0	8284.9	8238.2
77.5°	448.3	448.3	449.8	446.9	449.8	521.4	1061.7	2999.7	4782.8	5339.3	5469.3
80°	350.5	349.1	373.9	363.6	340.3	334.4	470.3	965.4	1587.5	1578.7	1302.7
82.5°	258.5	240.9	284.8	277.5	251.2	213.2	274.5	411.9	530.1	344.7	255.6
85°	163.6	162.1	201.5	184.0	153.3	100.8	131.5	176.7	219.1	132.9	108.1
87.5°	29.2	27.7	64.3	46.7	46.7	29.2	36.5	48.2	71.6	49.6	36.5
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)