

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: P648036

Luminaire Tested: **GALN-SA7A-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648036  
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-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 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: 16117.3 lumens  
Efficiency: N/A  
Efficacy: 75.0 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

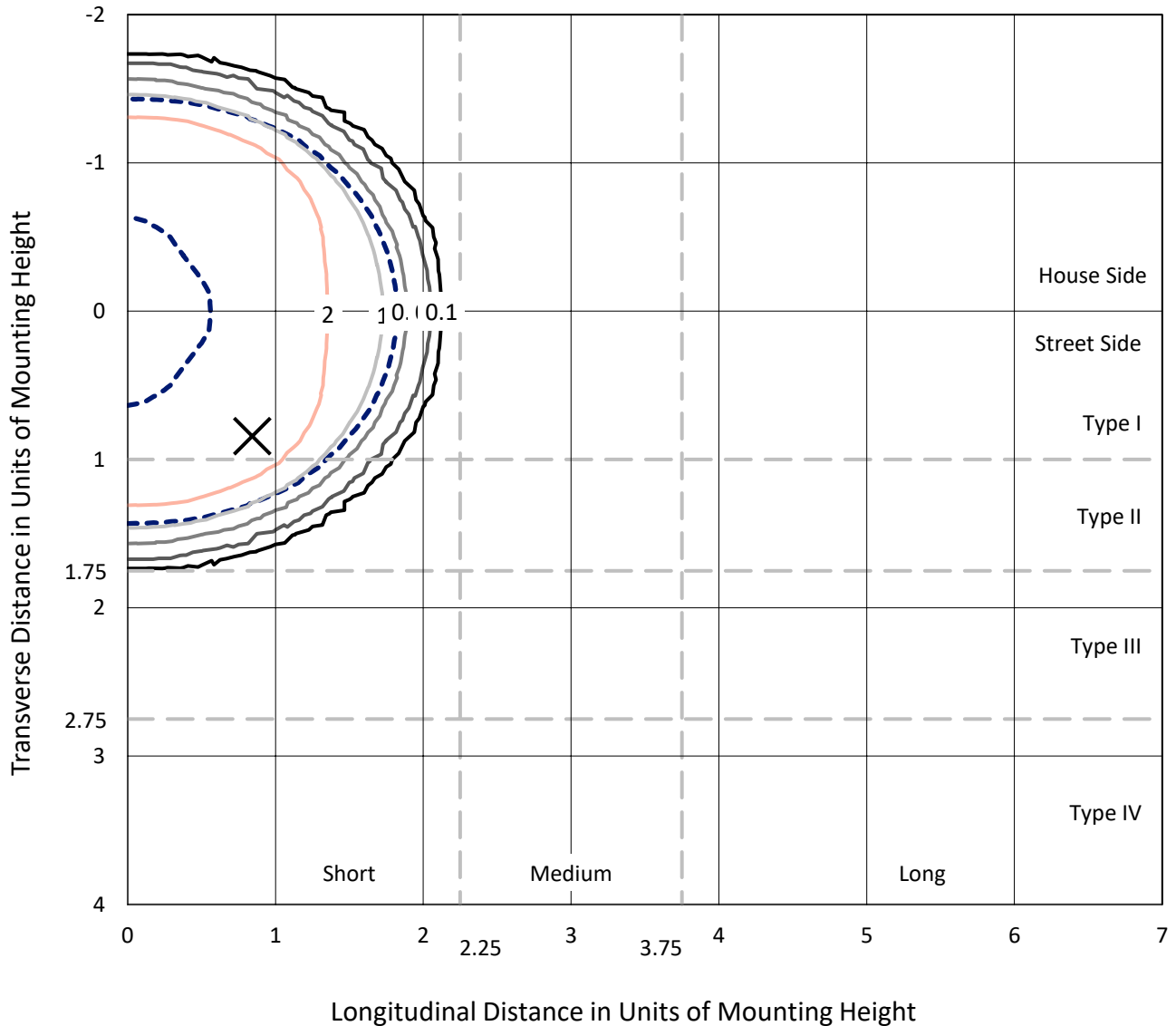
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

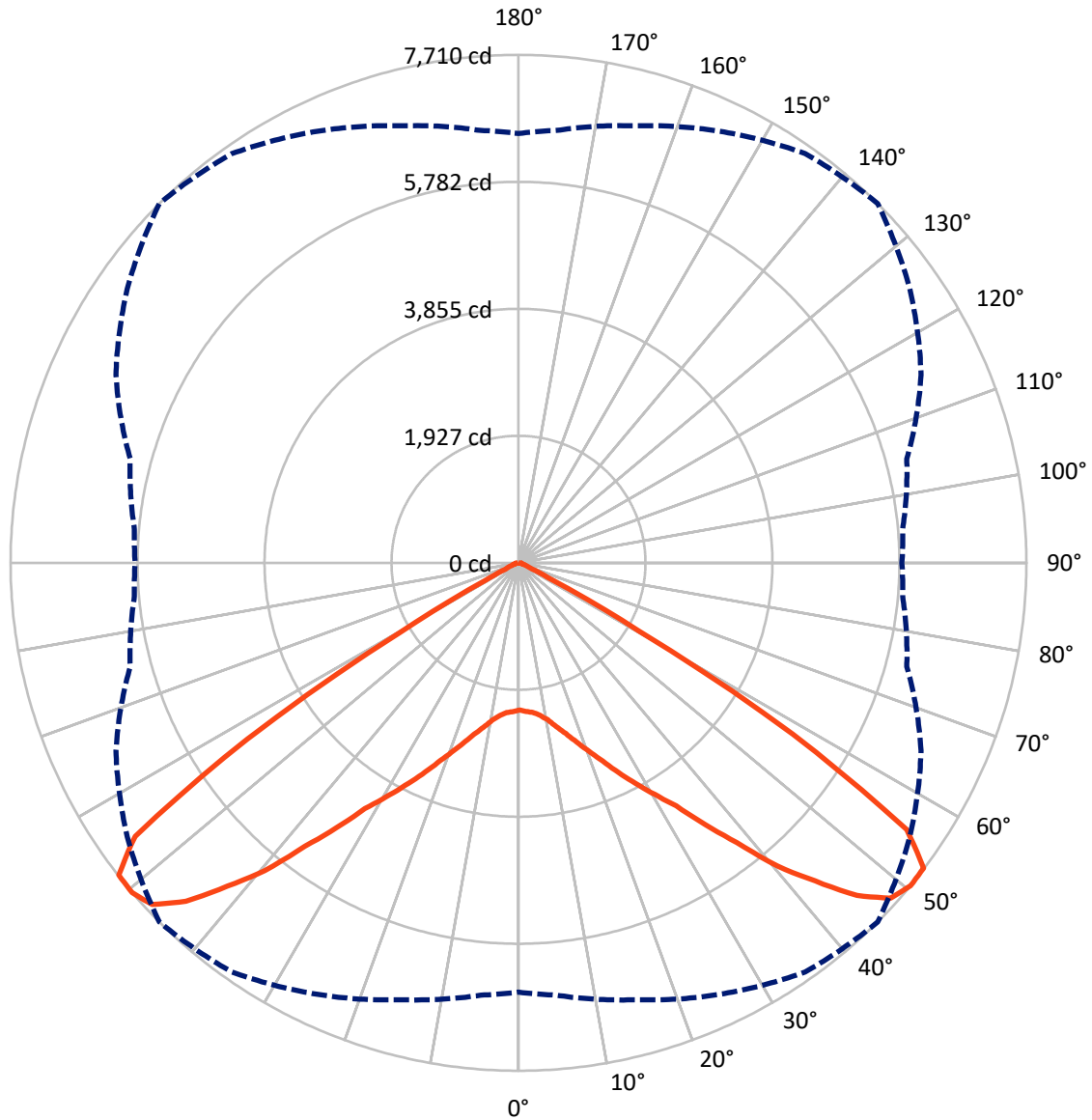
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	8058.6	0.0	8058.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8058.6	0.0	8058.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16117.3	0.0	16117.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.3	1.4
10°-20°	766.2	4.8
20°-30°	1564.8	9.7
30°-40°	2984.1	18.5
40°-50°	5028.6	31.2
50°-60°	4795.7	29.8
60°-70°	669.5	4.2
70°-80°	64.0	0.4
80°-90°	22.1	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°	16117.3	100.0
0°-180°	16117.3	100.0

**Coefficient of Utilization**



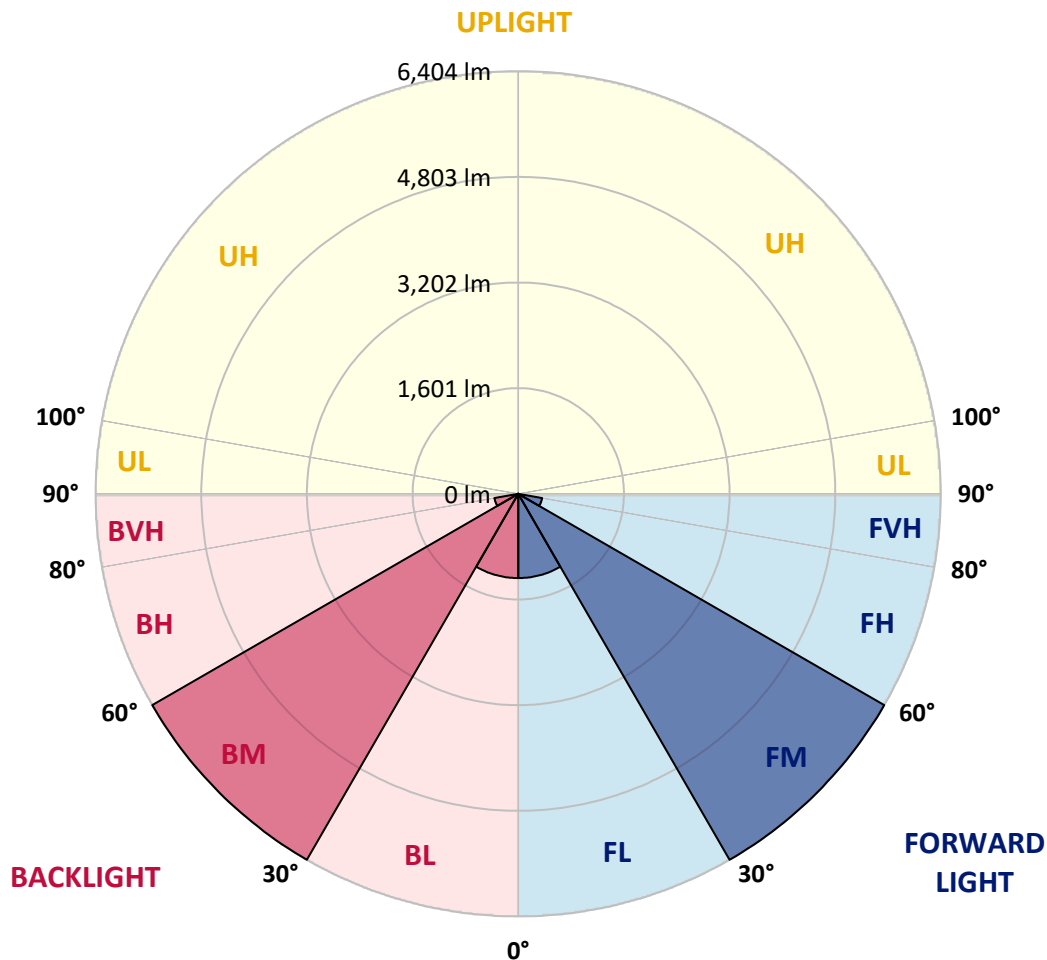
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1276.6	7.9			
FM (30°-60°)	6404.2	39.7			
FH (60°-80°)	366.7	2.3			G0/660
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	1276.6	7.9	B3/2500		
BM (30°-60°)	6404.2	39.7	B4/8500		
BH (60°-80°)	366.7	2.3	B1/500		G0/660
BVH (80°-90°)	11.1	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°	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4
2.5°	2226.4	2226.4	2223.6	2245.3	2234.4	2258.9	2256.2	2264.3	2272.4	2269.8	2291.4
5°	2207.4	2204.6	2204.6	2229.0	2253.5	2280.6	2305.0	2321.3	2348.4	2348.4	2375.5
7.5°	2226.4	2212.8	2231.8	2242.6	2288.7	2334.8	2375.5	2408.0	2470.4	2492.1	2484.0
10°	2231.8	2248.1	2261.6	2294.1	2351.1	2421.6	2456.8	2538.2	2608.7	2657.5	2668.4
12.5°	2267.0	2291.4	2329.4	2408.0	2459.6	2551.7	2600.6	2679.2	2776.8	2831.1	2869.1
15°	2334.8	2343.0	2391.8	2492.1	2603.3	2687.3	2763.3	2820.2	2915.1	2977.5	2980.2
17.5°	2421.6	2456.8	2524.6	2619.5	2736.2	2860.9	2920.6	2982.9	3018.2	3102.2	3121.2
20°	2595.2	2600.6	2665.6	2790.4	2936.8	3050.7	3094.1	3126.7	3113.1	3199.9	3216.2
22.5°	2757.9	2763.3	2844.6	3012.7	3170.1	3267.7	3286.6	3267.7	3227.0	3289.4	3294.8
25°	2923.3	2972.1	3031.8	3199.9	3395.1	3525.3	3528.0	3476.4	3392.4	3403.2	3430.4
27.5°	3180.9	3216.2	3278.5	3433.1	3647.3	3793.7	3769.4	3707.0	3598.5	3606.7	3598.5
30°	3481.9	3514.4	3565.9	3763.9	3921.2	4081.2	4116.5	4056.8	3894.1	3858.9	3899.5
32.5°	3845.2	3891.4	3986.3	4168.0	4300.9	4398.4	4422.9	4401.2	4249.3	4235.7	4262.9
35°	4287.3	4349.6	4436.4	4596.4	4704.9	4881.1	4881.1	4807.9	4669.7	4685.9	4683.2
37.5°	4753.7	4845.9	4981.5	5144.2	5290.7	5385.6	5355.7	5293.3	5155.0	5119.8	5155.0
40°	5339.4	5385.6	5556.4	5767.9	5946.9	6055.3	5927.9	5792.3	5461.5	5513.0	5607.9
42.5°	5873.7	5946.9	6077.0	6310.3	6513.6	6603.1	6451.3	6182.8	5784.2	5743.5	5814.0
45°	6329.2	6407.8	6578.7	6912.2	7126.5	7205.1	6868.9	6435.0	5979.4	5876.3	5906.2
47.5°	6632.9	6673.6	6912.2	7229.5	7424.8	7603.7	7121.1	6608.5	6071.6	5876.3	5865.5
50°	6516.4	6586.8	6866.1	7226.8	7582.0	7709.5	7248.5	6741.4	6101.4	5852.0	5819.4
52.5°	5786.8	5908.9	6220.8	6706.2	7243.1	7698.7	7424.8	6698.0	6090.6	5876.3	5925.2
55°	4027.0	4029.6	4409.3	5125.2	6074.4	7148.2	7167.2	6746.8	6161.1	6028.2	6030.9
57.5°	1618.9	1700.3	1990.4	2709.0	3585.0	4908.2	5835.7	6258.8	6169.3	6136.7	6220.8
60°	409.5	412.2	501.7	764.7	1260.9	2104.3	3056.1	4135.4	4761.8	4976.0	5005.9
62.5°	208.8	211.5	233.2	271.2	344.4	564.1	1003.3	1591.8	2264.3	2606.0	2695.5
65°	170.9	170.9	184.4	203.3	206.1	217.0	260.3	371.5	539.6	612.9	621.0
67.5°	130.1	130.1	141.0	151.8	157.3	154.6	149.2	154.6	187.1	179.0	173.6
70°	81.4	84.1	89.5	100.3	105.8	108.4	111.2	116.6	132.9	138.3	132.9
72.5°	48.8	48.8	51.5	59.7	67.8	73.2	81.4	86.8	94.9	108.4	105.8
75°	21.7	21.7	27.1	35.2	43.4	51.5	59.7	67.8	73.2	81.4	84.1
77.5°	5.4	8.1	13.5	24.4	32.6	43.4	54.3	62.4	67.8	67.8	65.1
80°	2.7	2.7	10.9	18.9	35.2	46.1	59.7	65.1	73.2	67.8	59.7
82.5°	2.7	2.7	10.9	18.9	32.6	46.1	62.4	70.5	76.0	67.8	56.9
85°	0.0	2.7	8.1	16.3	27.1	32.6	27.1	18.9	10.9	10.9	8.1
87.5°	0.0	0.0	2.7	2.7	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)