

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: P531375

Luminaire Tested: **GALN-SA6C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531375  
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-SA6C-830-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K, 1050mA 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: 21409 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

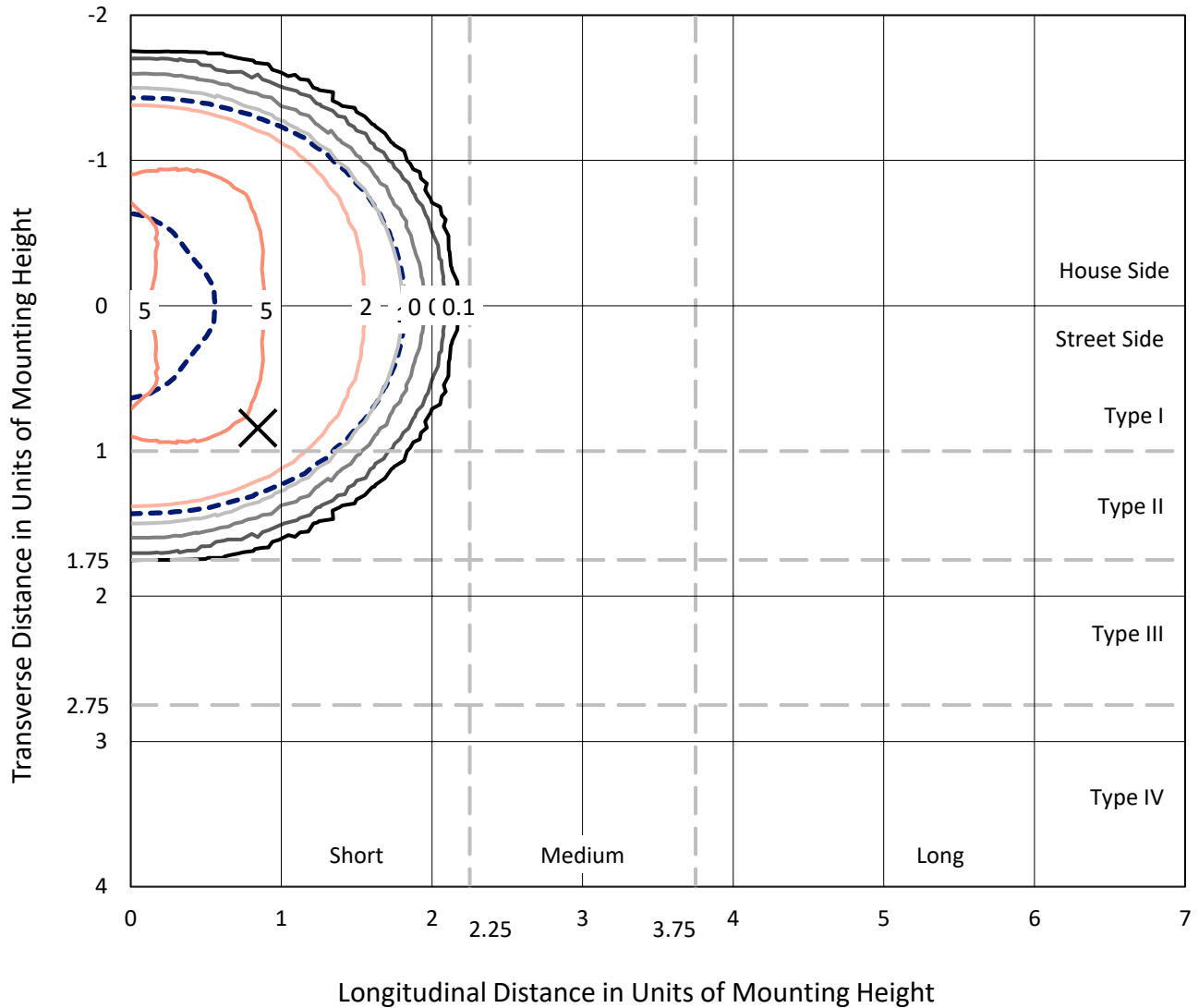
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

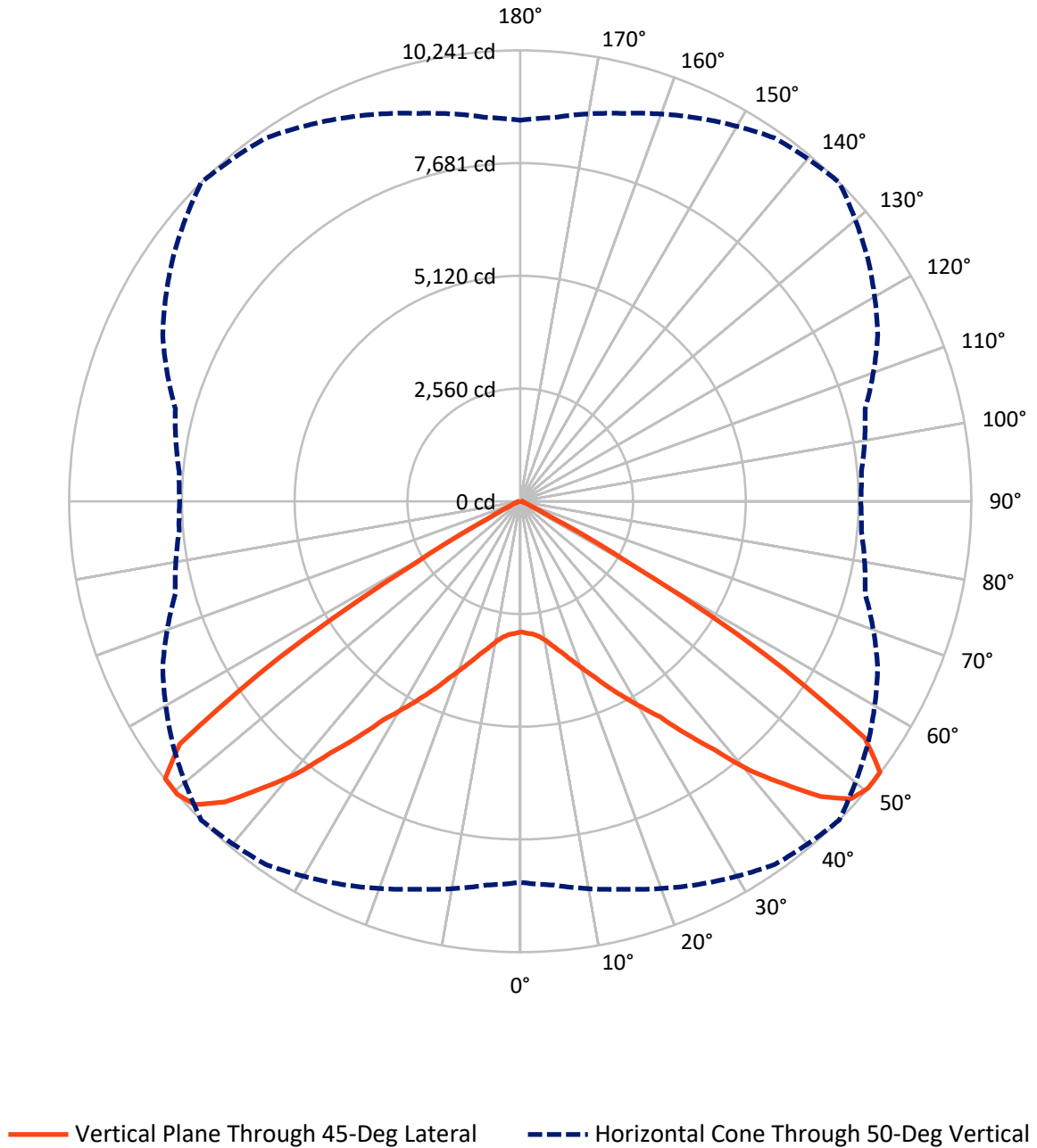
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10704.5	0.0	10704.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10704.5	0.0	10704.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21409.0	0.0	21409.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.3	1.4
10°-20°	1017.7	4.8
20°-30°	2078.6	9.7
30°-40°	3963.8	18.5
40°-50°	6679.7	31.2
50°-60°	6370.2	29.8
60°-70°	889.3	4.2
70°-80°	85.0	0.4
80°-90°	29.4	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°	21409.0	100.0
0°-180°	21409.0	100.0

**Coefficient of Utilization**

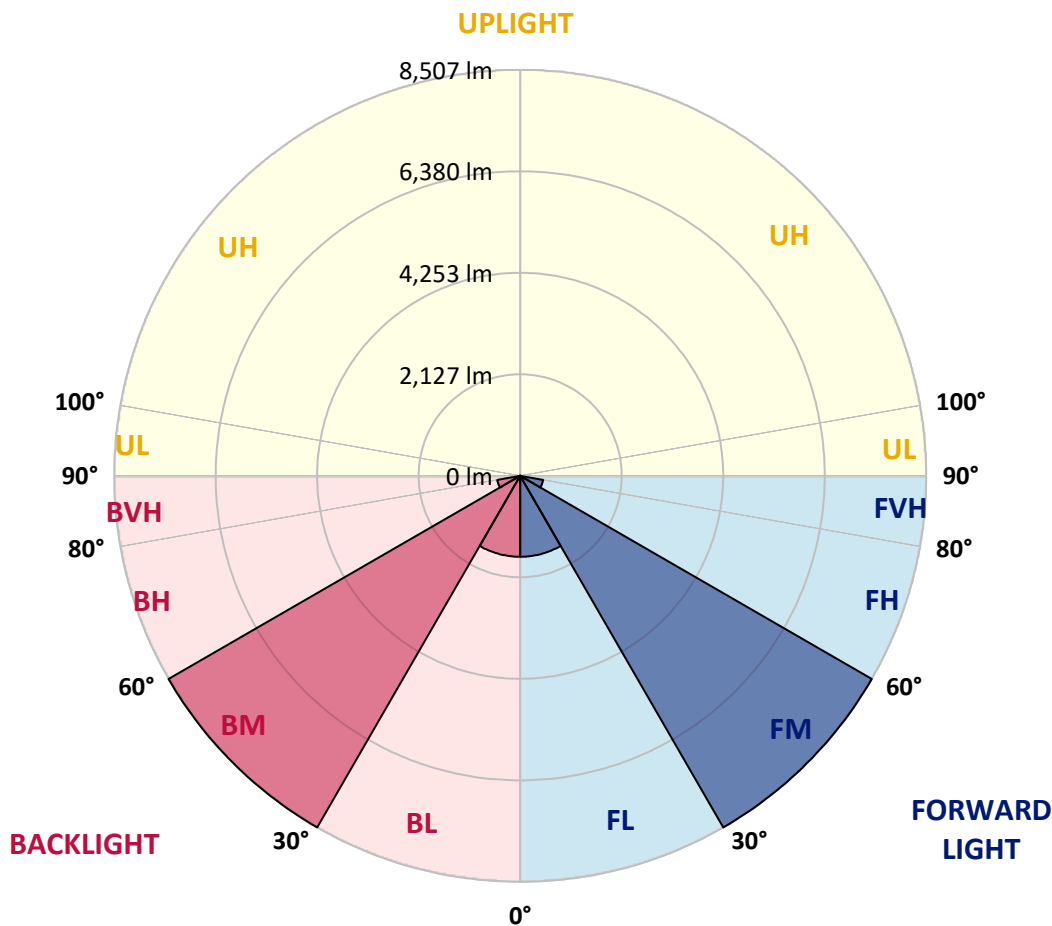


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1695.8	7.9			
FM (30°-60°)	8506.9	39.7			
FH (60°-80°)	487.1	2.3			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	1695.8	7.9	B3/2500		
BM (30°-60°)	8506.9	39.7	B5		
BH (60°-80°)	487.1	2.3	B1/500		G0/660
BVH (80°-90°)	14.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2968.1	2968.1	2968.1	2968.1	2968.1	2968.1	2968.1	2968.1	2968.1	2968.1	2968.1
2.5°	2957.3	2957.3	2953.7	2982.5	2968.1	3000.5	2996.9	3007.7	3018.6	3014.9	3043.8
5°	2932.1	2928.5	2928.5	2960.9	2993.3	3029.4	3061.8	3083.4	3119.4	3119.4	3155.4
7.5°	2957.3	2939.3	2964.5	2978.9	3040.2	3101.4	3155.4	3198.7	3281.5	3310.3	3299.5
10°	2964.5	2986.1	3004.1	3047.4	3123.0	3216.7	3263.5	3371.6	3465.2	3530.0	3544.5
12.5°	3011.3	3043.8	3094.2	3198.7	3267.1	3389.6	3454.4	3558.9	3688.5	3760.6	3811.0
15°	3101.4	3112.2	3177.0	3310.3	3458.0	3569.7	3670.5	3746.2	3872.2	3955.1	3958.7
17.5°	3216.7	3263.5	3353.5	3479.6	3634.5	3800.2	3879.5	3962.3	4009.1	4120.8	4146.0
20°	3447.2	3454.4	3540.9	3706.6	3901.1	4052.4	4110.0	4153.2	4135.2	4250.5	4272.1
22.5°	3663.3	3670.5	3778.6	4001.9	4210.8	4340.5	4365.7	4340.5	4286.5	4369.3	4376.5
25°	3883.1	3947.9	4027.1	4250.5	4509.8	4682.7	4686.3	4617.9	4506.2	4520.6	4556.6
27.5°	4225.3	4272.1	4354.9	4560.2	4844.8	5039.3	5006.9	4924.1	4780.0	4790.8	4780.0
30°	4625.1	4668.3	4736.7	4999.7	5208.6	5421.1	5468.0	5388.7	5172.6	5125.8	5179.8
32.5°	5107.8	5169.0	5295.1	5536.4	5712.9	5842.6	5875.0	5846.2	5644.5	5626.5	5662.5
35°	5694.9	5777.8	5893.0	6105.5	6249.6	6483.8	6483.8	6386.5	6202.8	6224.4	6220.8
37.5°	6314.5	6436.9	6617.0	6833.2	7027.7	7153.8	7114.1	7031.3	6847.6	6800.7	6847.6
40°	7092.5	7153.8	7380.7	7661.6	7899.4	8043.5	7874.2	7694.1	7254.6	7323.0	7449.1
42.5°	7802.1	7899.4	8072.3	8382.1	8652.2	8771.1	8569.4	8212.8	7683.3	7629.2	7722.9
45°	8407.3	8511.7	8738.7	9181.7	9466.3	9570.8	9124.1	8547.8	7942.6	7805.7	7845.4
47.5°	8810.7	8864.7	9181.7	9603.2	9862.5	10100.3	9459.1	8778.3	8065.1	7805.7	7791.3
50°	8655.8	8749.5	9120.5	9599.6	10071.4	10240.7	9628.4	8954.8	8104.7	7773.3	7730.1
52.5°	7686.9	7849.0	8263.2	8908.0	9621.2	10226.3	9862.5	8897.2	8090.3	7805.7	7870.6
55°	5349.1	5352.7	5857.0	6808.0	8068.7	9495.1	9520.3	8962.0	8183.9	8007.4	8011.0
57.5°	2150.4	2258.5	2643.9	3598.5	4762.0	6519.8	7751.7	8313.6	8194.8	8151.5	8263.2
60°	543.9	547.5	666.4	1015.8	1675.0	2795.2	4059.6	5493.2	6325.3	6609.8	6649.5
62.5°	277.4	281.0	309.8	360.2	457.5	749.2	1332.8	2114.4	3007.7	3461.6	3580.5
65°	226.9	226.9	244.9	270.2	273.8	288.2	345.8	493.5	716.8	814.1	824.9
67.5°	172.9	172.9	187.3	201.7	208.9	205.3	198.1	205.3	248.5	237.7	230.5
70°	108.1	111.7	118.9	133.3	140.5	144.1	147.7	154.9	176.5	183.7	176.5
72.5°	64.8	64.8	68.4	79.2	90.1	97.3	108.1	115.3	126.1	144.1	140.5
75°	28.8	28.8	36.0	46.8	57.6	68.4	79.2	90.1	97.3	108.1	111.7
77.5°	7.2	10.8	18.0	32.4	43.2	57.6	72.0	82.8	90.1	90.1	86.5
80°	3.6	3.6	14.4	25.2	46.8	61.2	79.2	86.5	97.3	90.1	79.2
82.5°	3.6	3.6	14.4	25.2	43.2	61.2	82.8	93.7	100.9	90.1	75.6
85°	0.0	3.6	10.8	21.6	36.0	43.2	36.0	25.2	14.4	14.4	10.8
87.5°	0.0	0.0	3.6	3.6	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)