

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: P531895

Luminaire Tested: **GALN-SA7B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531895  
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-SA7B-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 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: 21420 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

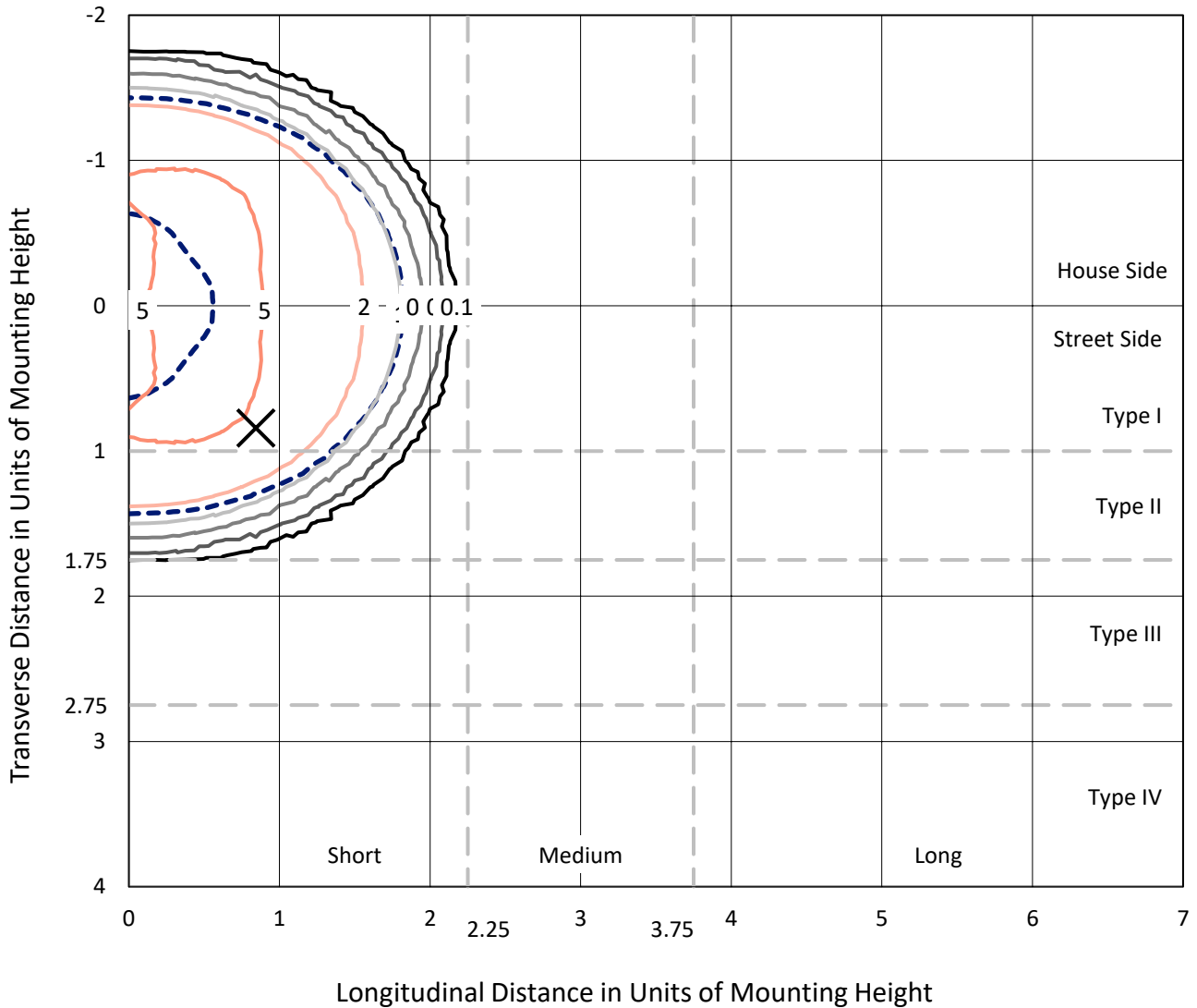
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

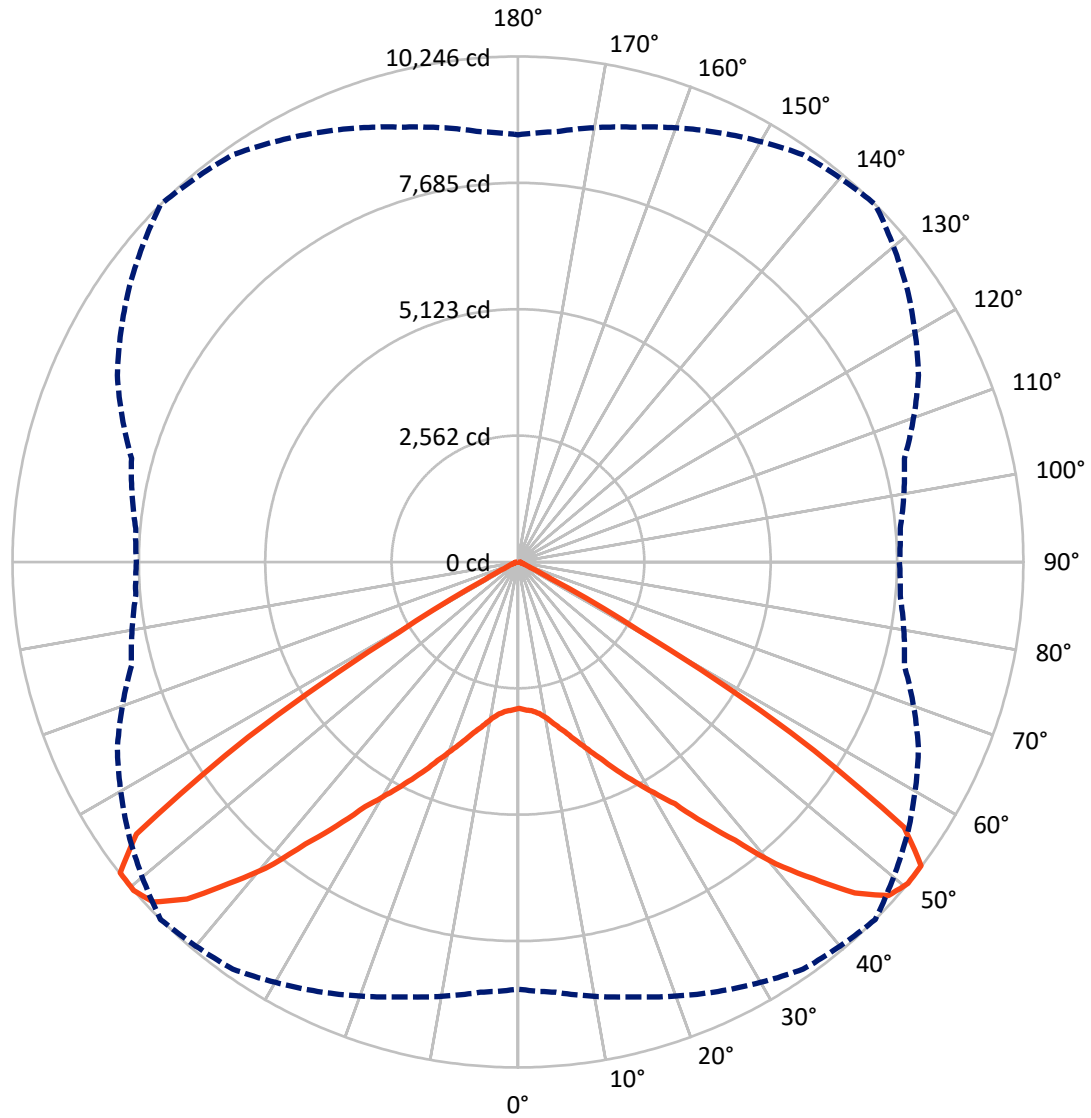
× Max cd  
 - - - 1/2 Max cd



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



— 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	10710.0	0.0	10710.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10710.0	0.0	10710.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21420.0	0.0	21420.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.4	1.4
10°-20°	1018.2	4.8
20°-30°	2079.6	9.7
30°-40°	3965.9	18.5
40°-50°	6683.1	31.2
50°-60°	6373.5	29.8
60°-70°	889.7	4.2
70°-80°	85.1	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°	21420.0	100.0
0°-180°	21420.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531895

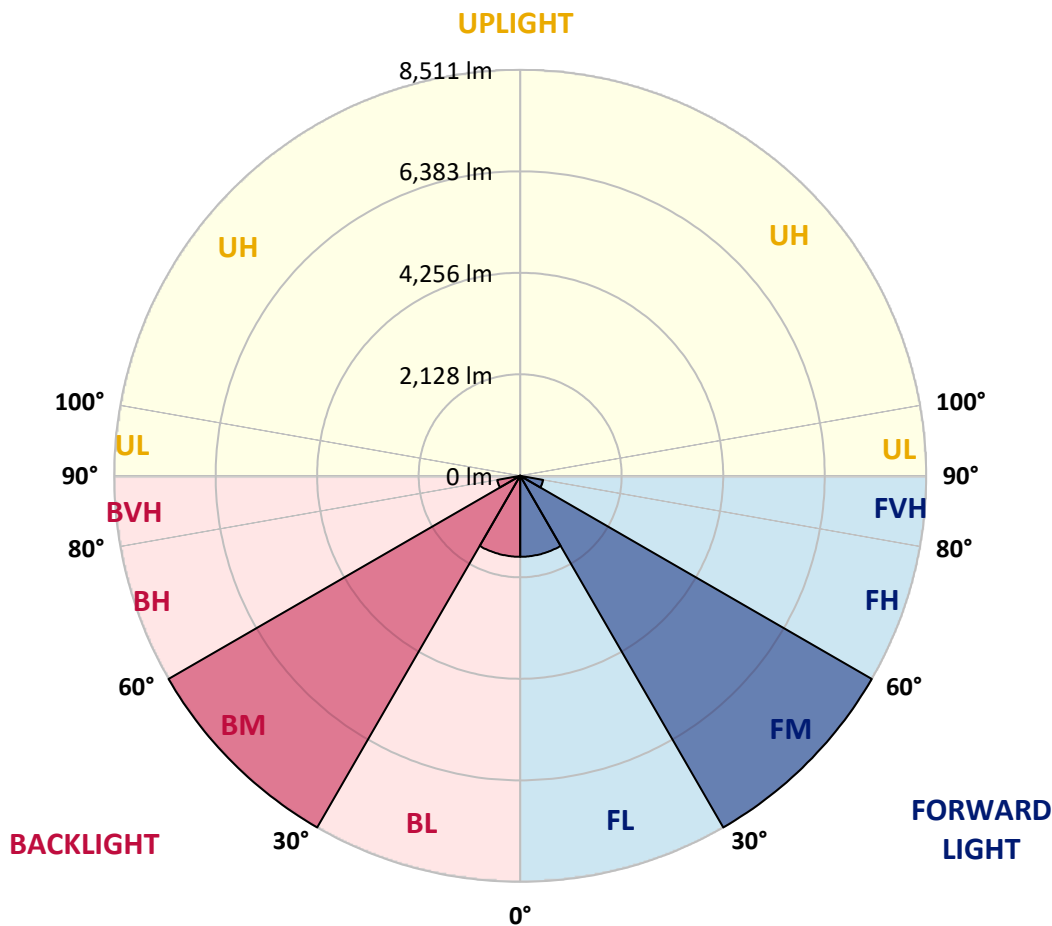
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1696.7	7.9			
FM (30°-60°)	8511.2	39.7			
FH (60°-80°)	487.4	2.3			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	1696.7	7.9	B3/2500		
BM (30°-60°)	8511.2	39.7	B5		
BH (60°-80°)	487.4	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°	2969.6	2969.6	2969.6	2969.6	2969.6	2969.6	2969.6	2969.6	2969.6	2969.6	2969.6
2.5°	2958.8	2958.8	2955.2	2984.1	2969.6	3002.1	2998.5	3009.3	3020.1	3016.5	3045.3
5°	2933.6	2930.0	2930.0	2962.4	2994.9	3030.9	3063.3	3085.0	3121.0	3121.0	3157.1
7.5°	2958.8	2940.8	2966.0	2980.5	3041.7	3103.0	3157.1	3200.3	3283.2	3312.0	3301.2
10°	2966.0	2987.7	3005.7	3048.9	3124.6	3218.3	3265.2	3373.3	3467.0	3531.9	3546.3
12.5°	3012.9	3045.3	3095.8	3200.3	3268.8	3391.3	3456.2	3560.7	3690.4	3762.5	3813.0
15°	3103.0	3113.8	3178.7	3312.0	3459.8	3571.5	3672.4	3748.1	3874.2	3957.1	3960.7
17.5°	3218.3	3265.2	3355.3	3481.4	3636.4	3802.2	3881.4	3964.3	4011.2	4122.9	4148.1
20°	3449.0	3456.2	3542.7	3708.5	3903.1	4054.4	4112.1	4155.3	4137.3	4252.7	4274.3
22.5°	3665.2	3672.4	3780.5	4004.0	4213.0	4342.7	4368.0	4342.7	4288.7	4371.6	4378.8
25°	3885.0	3949.9	4029.2	4252.7	4512.1	4685.1	4688.7	4620.3	4508.5	4522.9	4559.0
27.5°	4227.4	4274.3	4357.2	4562.6	4847.3	5041.9	5009.5	4926.6	4782.4	4793.2	4782.4
30°	4627.5	4670.7	4739.2	5002.3	5211.3	5423.9	5470.8	5391.5	5175.3	5128.4	5182.5
32.5°	5110.4	5171.7	5297.8	5539.3	5715.9	5845.6	5878.0	5849.2	5647.4	5629.4	5665.4
35°	5697.8	5780.7	5896.0	6108.7	6252.8	6487.1	6487.1	6389.8	6206.0	6227.6	6224.0
37.5°	6317.7	6440.2	6620.4	6836.7	7031.3	7157.4	7117.8	7034.9	6851.1	6804.2	6851.1
40°	7096.2	7157.4	7384.5	7665.6	7903.4	8047.6	7878.2	7698.0	7258.3	7326.8	7452.9
42.5°	7806.1	7903.4	8076.4	8386.4	8656.7	8775.6	8573.8	8217.0	7687.2	7633.1	7726.8
45°	8411.6	8516.1	8743.2	9186.4	9471.2	9575.7	9128.8	8552.2	7946.7	7809.7	7849.4
47.5°	8815.2	8869.3	9186.4	9608.1	9867.6	10105.5	9463.9	8782.8	8069.2	7809.7	7795.3
50°	8660.3	8754.0	9125.2	9604.5	10076.6	10246.0	9633.3	8959.4	8108.9	7777.3	7734.1
52.5°	7690.8	7853.0	8267.4	8912.5	9626.1	10231.6	9867.6	8901.7	8094.5	7809.7	7874.6
55°	5351.9	5355.5	5860.0	6811.4	8072.8	9500.0	9525.2	8966.6	8188.2	8011.6	8015.2
57.5°	2151.6	2259.7	2645.3	3600.3	4764.4	6523.1	7755.7	8317.9	8199.0	8155.7	8267.4
60°	544.2	547.8	666.7	1016.3	1675.8	2796.7	4061.6	5496.0	6328.5	6613.2	6652.9
62.5°	277.5	281.1	309.9	360.4	457.7	749.6	1333.5	2115.5	3009.3	3463.4	3582.3
65°	227.0	227.0	245.1	270.3	273.9	288.3	346.0	493.7	717.2	814.5	825.3
67.5°	173.0	173.0	187.4	201.8	209.0	205.4	198.2	205.4	248.7	237.9	230.7
70°	108.1	111.7	118.9	133.3	140.6	144.2	147.8	155.0	176.6	183.8	176.6
72.5°	64.9	64.9	68.5	79.3	90.1	97.3	108.1	115.3	126.1	144.2	140.6
75°	28.8	28.8	36.0	46.9	57.7	68.5	79.3	90.1	97.3	108.1	111.7
77.5°	7.2	10.8	18.0	32.4	43.2	57.7	72.1	82.9	90.1	90.1	86.5
80°	3.6	3.6	14.4	25.2	46.9	61.3	79.3	86.5	97.3	90.1	79.3
82.5°	3.6	3.6	14.4	25.2	43.2	61.3	82.9	93.7	100.9	90.1	75.7
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)