

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: P531687

Luminaire Tested: **GALN-SA7A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531687  
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-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 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: 18747 lumens  
Efficiency: N/A  
Efficacy: 87.2 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

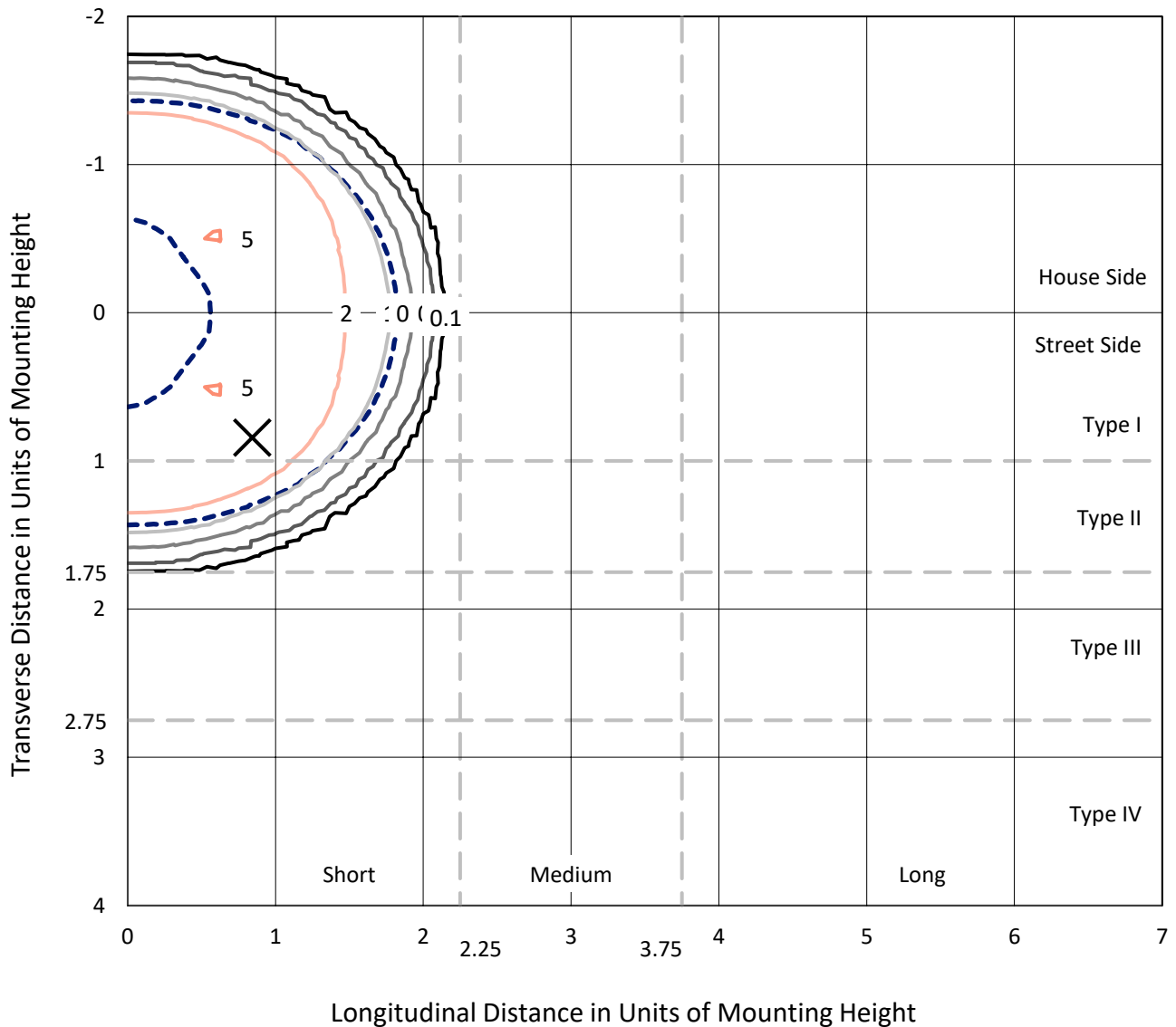
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

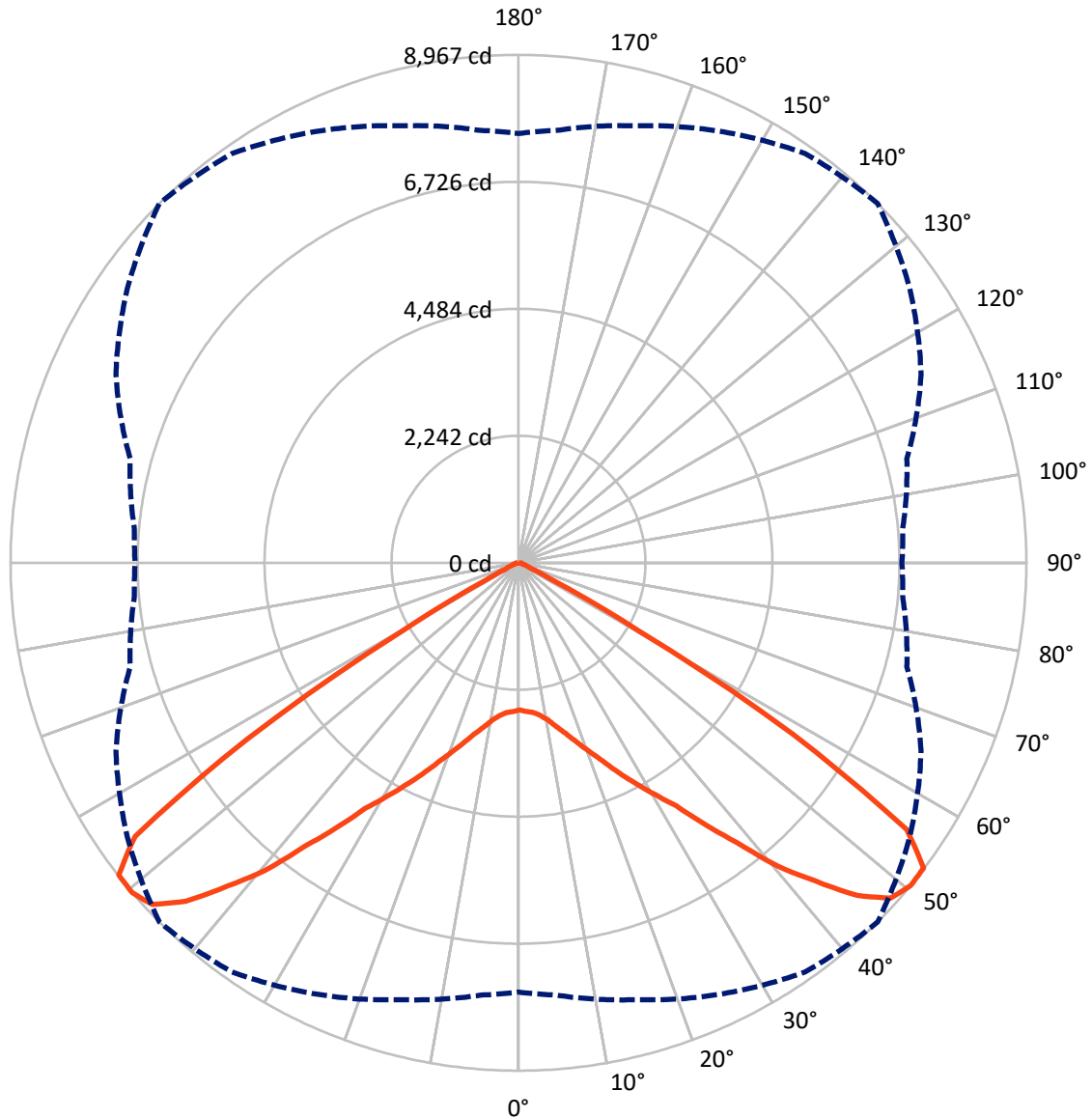
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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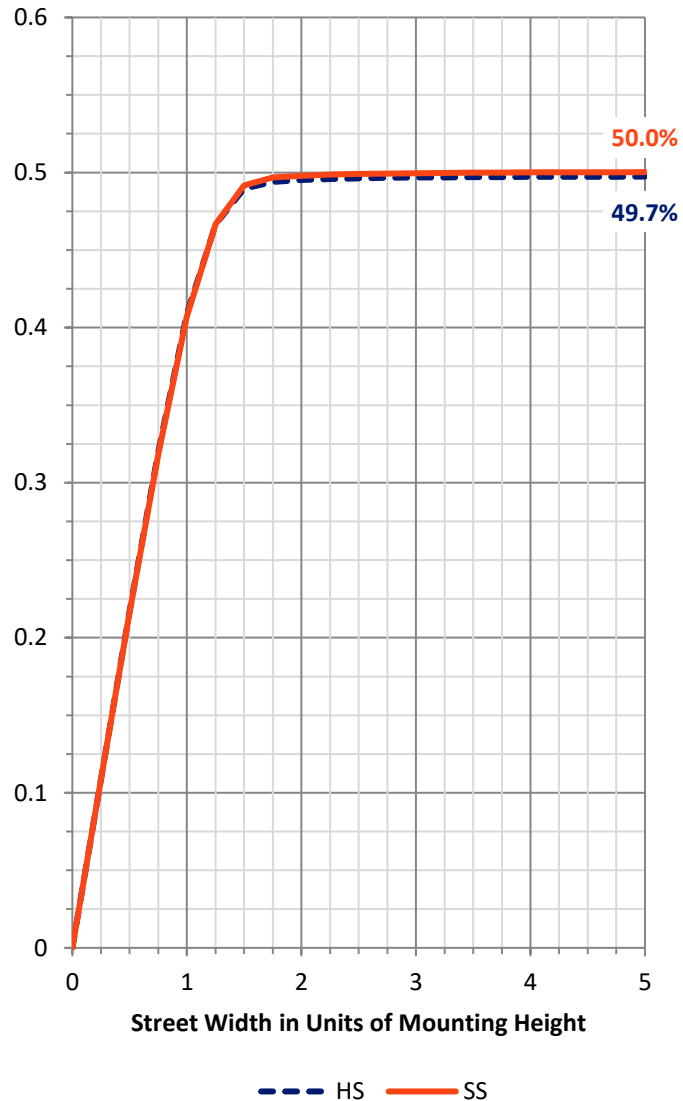
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9373.5	0.0	9373.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9373.5	0.0	9373.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18747.0	0.0	18747.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.6	1.4
10°-20°	891.2	4.8
20°-30°	1820.1	9.7
30°-40°	3471.0	18.5
40°-50°	5849.1	31.2
50°-60°	5578.2	29.8
60°-70°	778.7	4.2
70°-80°	74.5	0.4
80°-90°	25.7	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°	18747.0	100.0
0°-180°	18747.0	100.0

**Coefficient of Utilization**



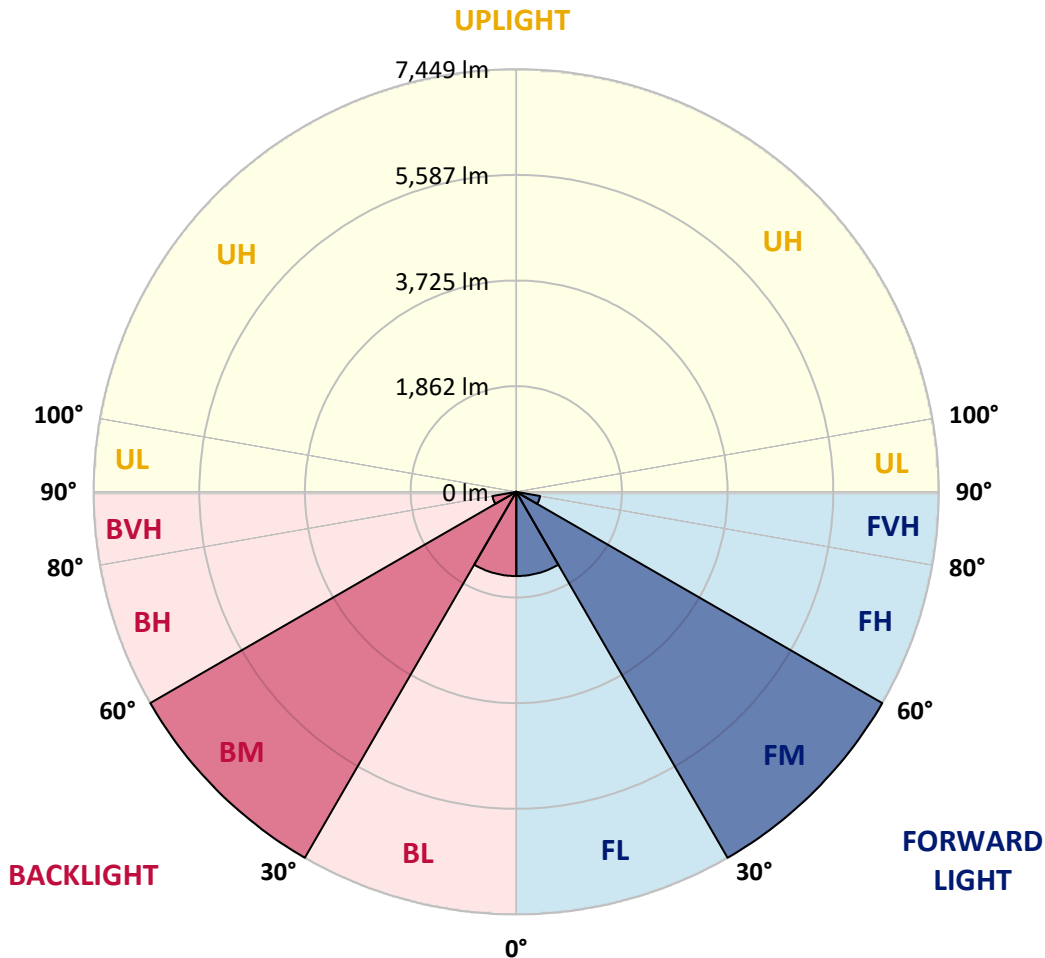
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.9	7.9			
FM (30°-60°)	7449.1	39.7			
FH (60°-80°)	426.6	2.3			G0/660
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	1484.9	7.9	B3/2500		
BM (30°-60°)	7449.1	39.7	B4/8500		
BH (60°-80°)	426.6	2.3	B1/500		G0/660
BVH (80°-90°)	12.9	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°	2599.1	2599.1	2599.1	2599.1	2599.1	2599.1	2599.1	2599.1	2599.1	2599.1	2599.1
2.5°	2589.6	2589.6	2586.4	2611.7	2599.1	2627.5	2624.3	2633.8	2643.2	2640.1	2665.3
5°	2567.5	2564.4	2564.4	2592.8	2621.1	2652.7	2681.1	2700.0	2731.5	2731.5	2763.1
7.5°	2589.6	2573.8	2595.9	2608.5	2662.1	2715.8	2763.1	2800.9	2873.5	2898.7	2889.3
10°	2595.9	2614.8	2630.6	2668.5	2734.7	2816.7	2857.7	2952.3	3034.3	3091.1	3103.7
12.5°	2636.9	2665.3	2709.5	2800.9	2860.9	2968.1	3024.9	3116.4	3229.9	3293.0	3337.1
15°	2715.8	2725.2	2782.0	2898.7	3028.0	3125.8	3214.1	3280.4	3390.8	3463.3	3466.5
17.5°	2816.7	2857.7	2936.6	3047.0	3182.6	3327.7	3397.1	3469.6	3510.6	3608.4	3630.5
20°	3018.6	3024.9	3100.6	3245.7	3416.0	3548.5	3598.9	3636.8	3621.0	3722.0	3740.9
22.5°	3207.8	3214.1	3308.8	3504.3	3687.3	3800.8	3822.9	3800.8	3753.5	3826.1	3832.4
25°	3400.2	3457.0	3526.4	3722.0	3949.1	4100.5	4103.6	4043.7	3945.9	3958.5	3990.1
27.5°	3699.9	3740.9	3813.4	3993.2	4242.4	4412.7	4384.3	4311.8	4185.6	4195.1	4185.6
30°	4050.0	4087.9	4147.8	4378.0	4561.0	4747.1	4788.1	4718.7	4529.4	4488.4	4535.7
32.5°	4472.7	4526.3	4636.7	4848.0	5002.6	5116.1	5144.5	5119.3	4942.6	4926.9	4958.4
35°	4986.8	5059.3	5160.3	5346.4	5472.5	5677.6	5677.6	5592.4	5431.5	5450.5	5447.3
37.5°	5529.3	5636.6	5794.3	5983.5	6153.9	6264.3	6229.6	6157.0	5996.1	5955.1	5996.1
40°	6210.6	6264.3	6463.0	6709.0	6917.2	7043.3	6895.1	6737.4	6352.6	6412.5	6522.9
42.5°	6832.0	6917.2	7068.6	7339.8	7576.4	7680.5	7503.9	7191.6	6727.9	6680.6	6762.6
45°	7361.9	7453.4	7652.1	8040.1	8289.3	8380.7	7989.6	7484.9	6955.0	6835.2	6869.9
47.5°	7715.2	7762.5	8040.1	8409.1	8636.2	8844.4	8282.9	7686.8	7062.3	6835.2	6822.5
50°	7579.6	7661.6	7986.4	8406.0	8819.2	8967.4	8431.2	7841.4	7097.0	6806.8	6768.9
52.5°	6731.1	6873.0	7235.7	7800.4	8424.9	8954.8	8636.2	7790.9	7084.3	6835.2	6891.9
55°	4684.0	4687.1	5128.7	5961.4	7065.4	8314.5	8336.6	7847.7	7166.4	7011.8	7015.0
57.5°	1883.1	1977.7	2315.2	3151.1	4169.9	5709.1	6787.9	7279.9	7175.8	7138.0	7235.7
60°	476.3	479.4	583.5	889.5	1466.7	2447.7	3554.8	4810.2	5538.8	5788.0	5822.7
62.5°	242.9	246.0	271.3	315.4	400.6	656.1	1167.1	1851.5	2633.8	3031.2	3135.3
65°	198.7	198.7	214.5	236.6	239.7	252.3	302.8	432.1	627.7	712.9	722.3
67.5°	151.4	151.4	164.0	176.6	182.9	179.8	173.5	179.8	217.6	208.2	201.9
70°	94.6	97.8	104.1	116.7	123.0	126.2	129.3	135.6	154.6	160.9	154.6
72.5°	56.8	56.8	59.9	69.4	78.9	85.2	94.6	100.9	110.4	126.2	123.0
75°	25.2	25.2	31.5	41.0	50.5	59.9	69.4	78.9	85.2	94.6	97.8
77.5°	6.3	9.5	15.8	28.4	37.9	50.5	63.1	72.5	78.9	78.9	75.7
80°	3.2	3.2	12.6	22.1	41.0	53.6	69.4	75.7	85.2	78.9	69.4
82.5°	3.2	3.2	12.6	22.1	37.9	53.6	72.5	82.0	88.3	78.9	66.2
85°	0.0	3.2	9.5	18.9	31.5	37.9	31.5	22.1	12.6	12.6	9.5
87.5°	0.0	0.0	3.2	3.2	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)