

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: P530778

Luminaire Tested: **GALN-SA6A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22136 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

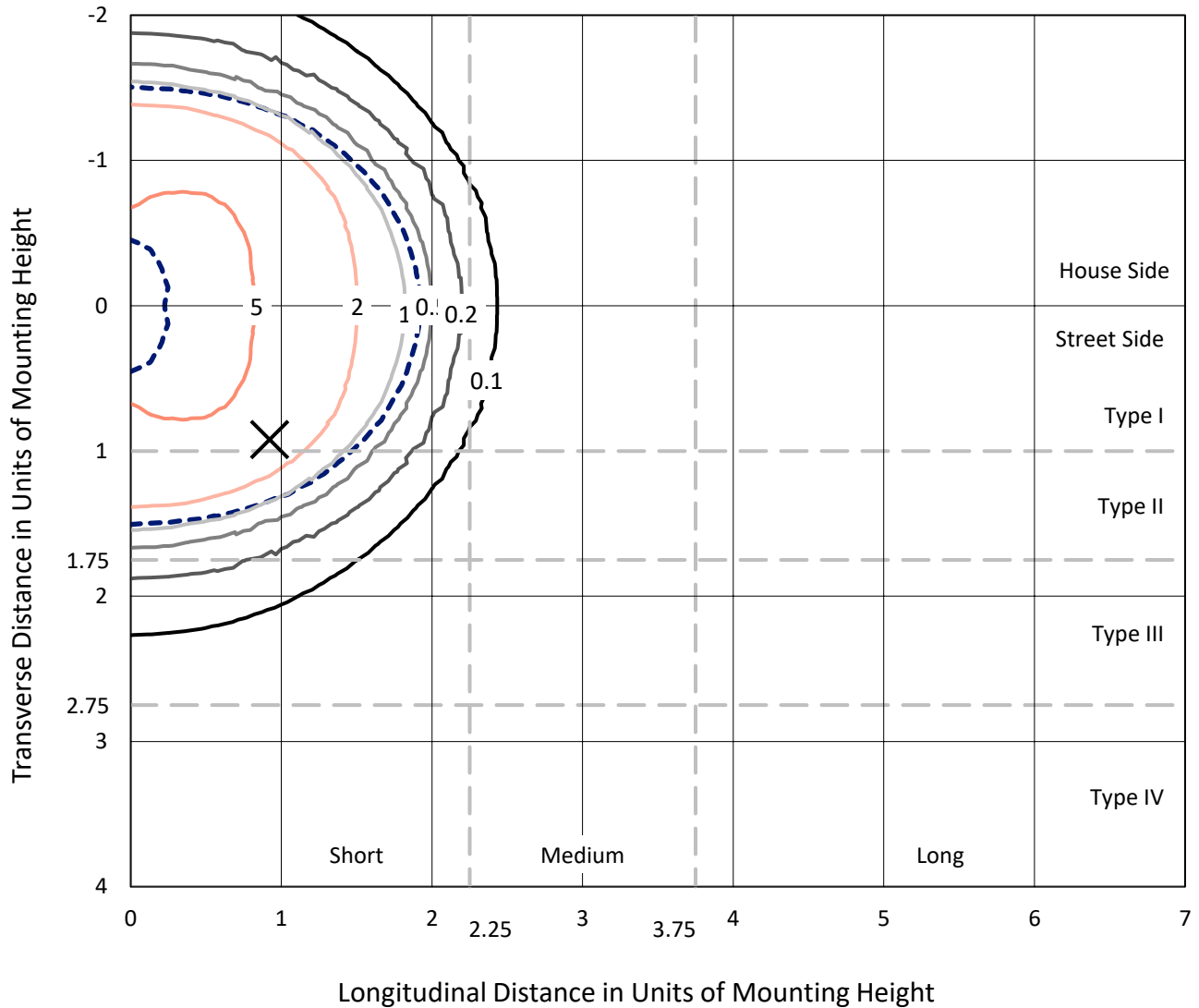
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

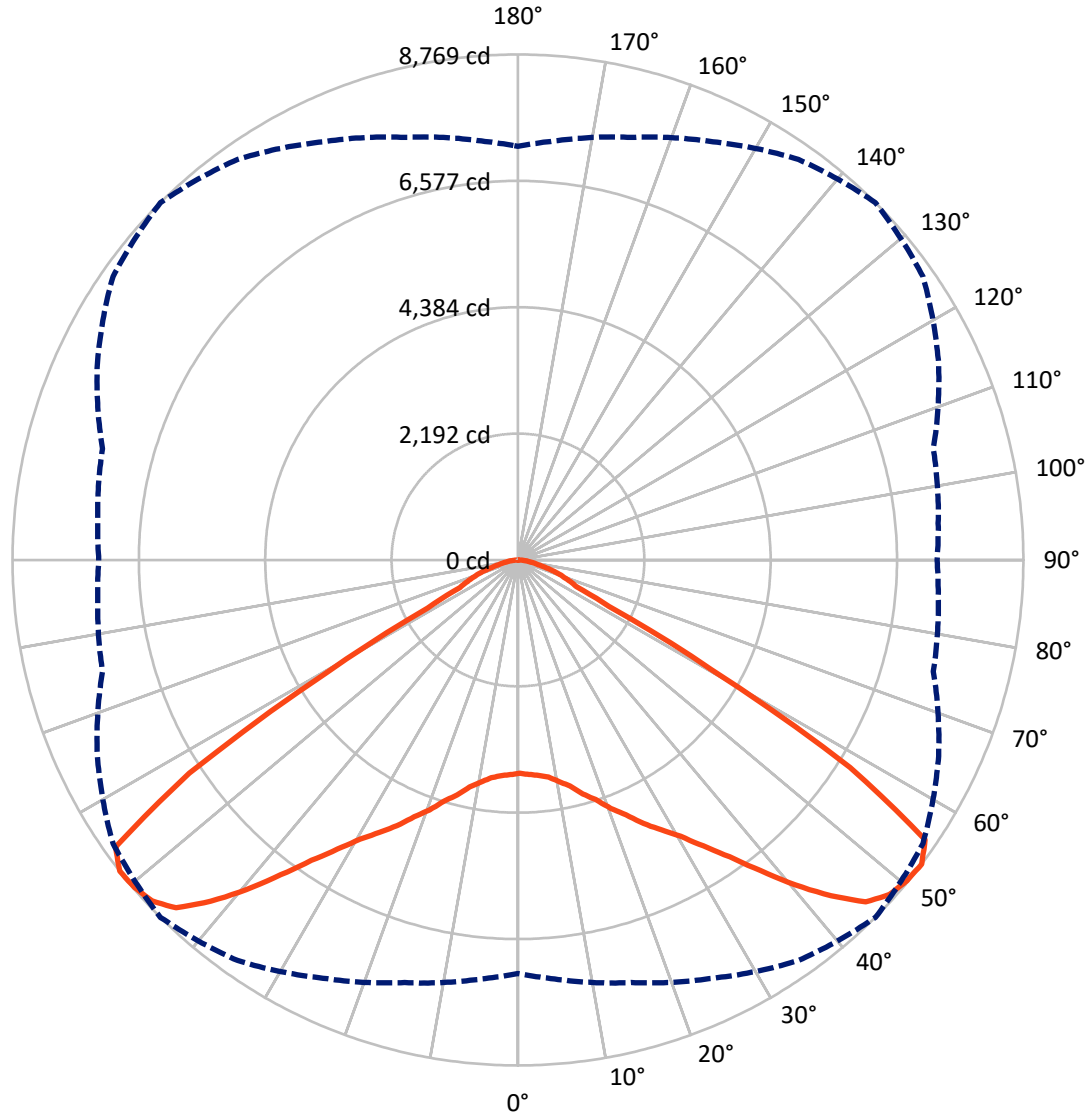
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical



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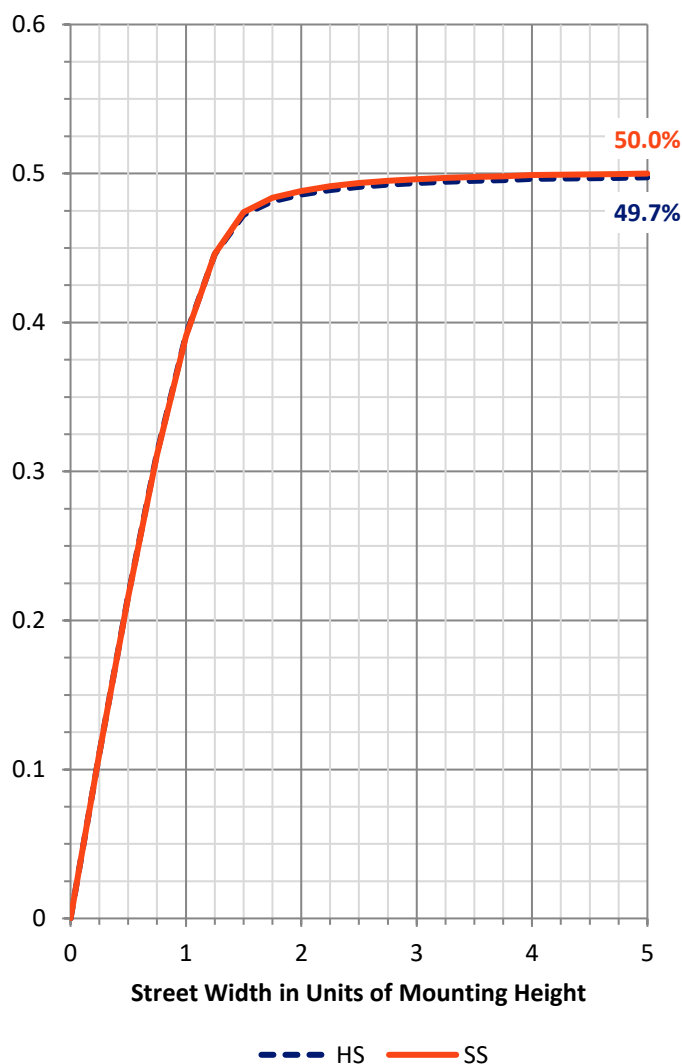
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11068.0	0.0	11068.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11068.0	0.0	11068.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22136.0	0.0	22136.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.5	1.6
10°-20°	1194.6	5.4
20°-30°	2274.3	10.3
30°-40°	3905.2	17.6
40°-50°	6002.4	27.1
50°-60°	6095.3	27.5
60°-70°	1698.7	7.7
70°-80°	501.1	2.3
80°-90°	100.9	0.5
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°	22136.0	100.0
0°-180°	22136.0	100.0

**Coefficient of Utilization**



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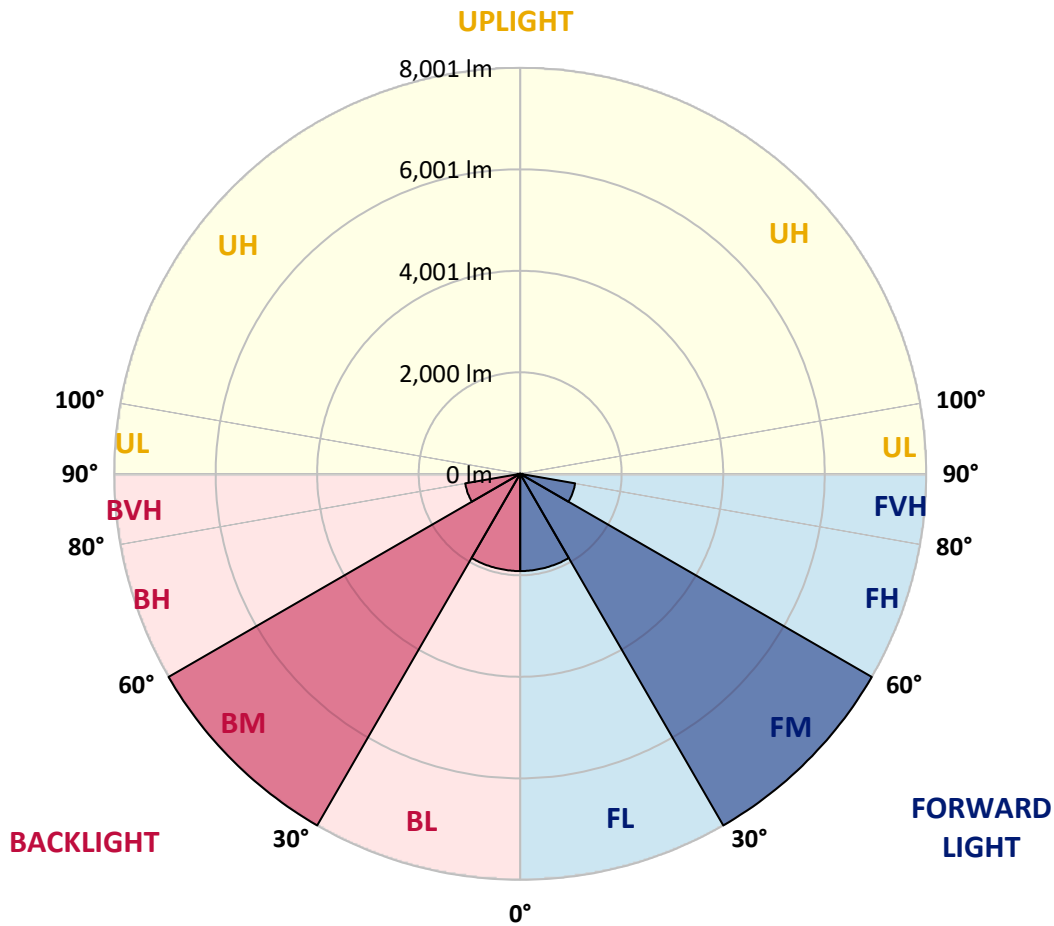
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1916.2	8.7			
FM (30°-60°)	8001.4	36.1			
FH (60°-80°)	1099.9	5.0			G1/1800
FVH (80°-90°)	50.5	0.2			G1/100
BL (0°-30°)	1916.2	8.7	B3/2500		
BM (30°-60°)	8001.4	36.1	B4/8500		
BH (60°-80°)	1099.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	50.5	0.2			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°	3700.3	3700.3	3700.3	3700.3	3700.3	3700.3	3700.3	3700.3	3700.3	3700.3	3700.3
2.5°	3708.6	3670.1	3683.8	3692.1	3727.8	3725.0	3716.8	3727.8	3738.8	3741.5	3736.0
5°	3705.8	3678.3	3689.3	3697.6	3733.3	3752.5	3747.0	3793.7	3826.7	3818.4	3859.7
7.5°	3683.8	3700.3	3686.6	3727.8	3758.0	3804.7	3854.2	3898.1	3939.3	3986.0	3994.3
10°	3733.3	3733.3	3758.0	3791.0	3870.6	3906.4	3977.8	4041.0	4120.6	4175.6	4153.6
12.5°	3785.5	3793.7	3793.7	3878.9	3944.8	4024.5	4090.4	4175.6	4288.2	4354.1	4387.1
15°	3837.7	3843.2	3870.6	3986.0	4084.9	4211.3	4271.7	4348.6	4411.8	4535.4	4538.2
17.5°	3884.4	3914.6	3997.0	4126.1	4249.7	4370.6	4466.8	4546.4	4601.4	4650.8	4639.8
20°	4060.2	4082.2	4167.3	4296.4	4480.5	4598.6	4631.6	4645.3	4681.0	4779.9	4749.7
22.5°	4230.5	4238.8	4318.4	4516.2	4645.3	4801.9	4837.6	4829.4	4843.1	4867.8	4911.8
25°	4406.3	4420.1	4529.9	4697.5	4878.8	5065.6	5095.8	5032.7	5013.4	5040.9	5043.6
27.5°	4631.6	4634.3	4774.4	4920.0	5126.1	5301.9	5348.6	5299.1	5208.5	5230.5	5266.2
30°	4917.3	4898.1	5038.2	5246.9	5464.0	5562.8	5642.5	5617.8	5518.9	5499.7	5469.4
32.5°	5246.9	5252.4	5378.8	5606.8	5749.6	5914.5	5999.6	5958.4	5895.2	5862.3	5881.5
35°	5711.2	5735.9	5821.1	6010.6	6241.4	6323.8	6458.4	6370.5	6205.7	6246.9	6282.6
37.5°	6093.0	6164.5	6323.8	6549.1	6686.4	6837.5	6886.9	6768.8	6647.9	6598.5	6716.6
40°	6678.2	6656.2	6832.0	7057.3	7260.5	7411.6	7348.5	7230.3	6930.9	6933.6	6966.6
42.5°	7180.9	7191.9	7326.5	7595.7	7873.1	7966.5	7766.0	7477.6	7145.2	7109.5	7180.9
45°	7603.9	7647.9	7724.8	8084.7	8356.6	8458.3	8087.4	7746.8	7301.8	7153.4	7271.5
47.5°	7755.0	7826.4	7994.0	8323.7	8592.9	8675.3	8378.6	7889.6	7447.3	7205.6	7268.8
50°	7777.0	7752.3	8027.0	8329.2	8565.4	8744.0	8483.0	7994.0	7411.6	7285.3	7266.0
52.5°	7175.4	7296.3	7590.2	8005.0	8483.0	8768.7	8576.4	8051.7	7461.1	7318.2	7271.5
55°	5807.3	5664.5	6200.2	6897.9	7777.0	8570.9	8543.4	8081.9	7491.3	7373.2	7310.0
57.5°	3241.6	3282.8	3584.9	4343.1	5477.7	6796.3	7595.7	7763.3	7477.6	7408.9	7441.9
60°	1499.9	1513.6	1642.8	1997.1	2700.4	3854.2	4906.3	5974.9	6466.6	6565.5	6565.5
62.5°	1118.1	1112.6	1145.5	1208.7	1357.1	1771.9	2365.2	3214.1	3889.9	4362.4	4486.0
65°	1010.9	1008.2	1024.7	1046.6	1057.6	1115.3	1247.2	1508.1	1727.9	1854.3	1832.3
67.5°	884.6	881.8	887.3	901.0	920.3	950.5	983.5	1038.4	1115.3	1109.8	1096.1
70°	714.2	714.2	722.5	733.5	755.4	791.2	829.6	868.1	934.0	947.7	945.0
72.5°	527.4	519.2	535.7	557.7	579.6	623.6	664.8	700.5	747.2	760.9	755.4
75°	335.1	340.6	351.6	376.4	414.8	445.0	489.0	519.2	549.4	560.4	563.2
77.5°	186.8	192.3	211.5	241.7	280.2	313.2	351.6	376.4	395.6	398.3	401.1
80°	112.6	115.4	134.6	162.1	195.0	230.8	261.0	285.7	302.2	293.9	291.2
82.5°	68.7	71.4	87.9	112.6	140.1	167.6	200.5	222.5	239.0	228.0	217.0
85°	35.7	38.5	52.2	68.7	90.7	104.4	104.4	93.4	90.7	85.2	82.4
87.5°	11.0	11.0	13.7	16.5	13.7	16.5	19.2	22.0	22.0	24.7	22.0
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)