

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: P530770

Luminaire Tested: **GALN-SA6A-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530770  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
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-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22298 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

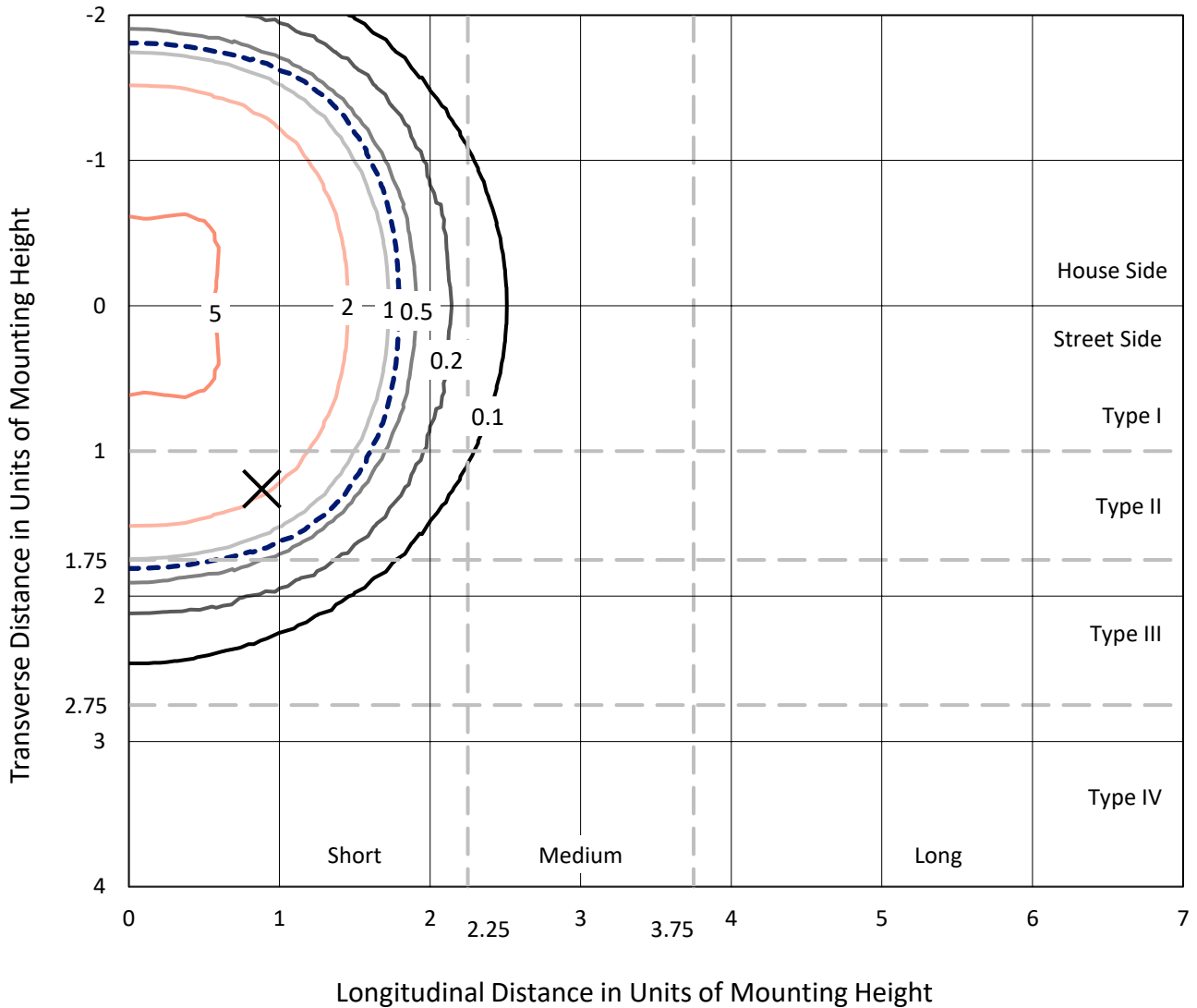
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

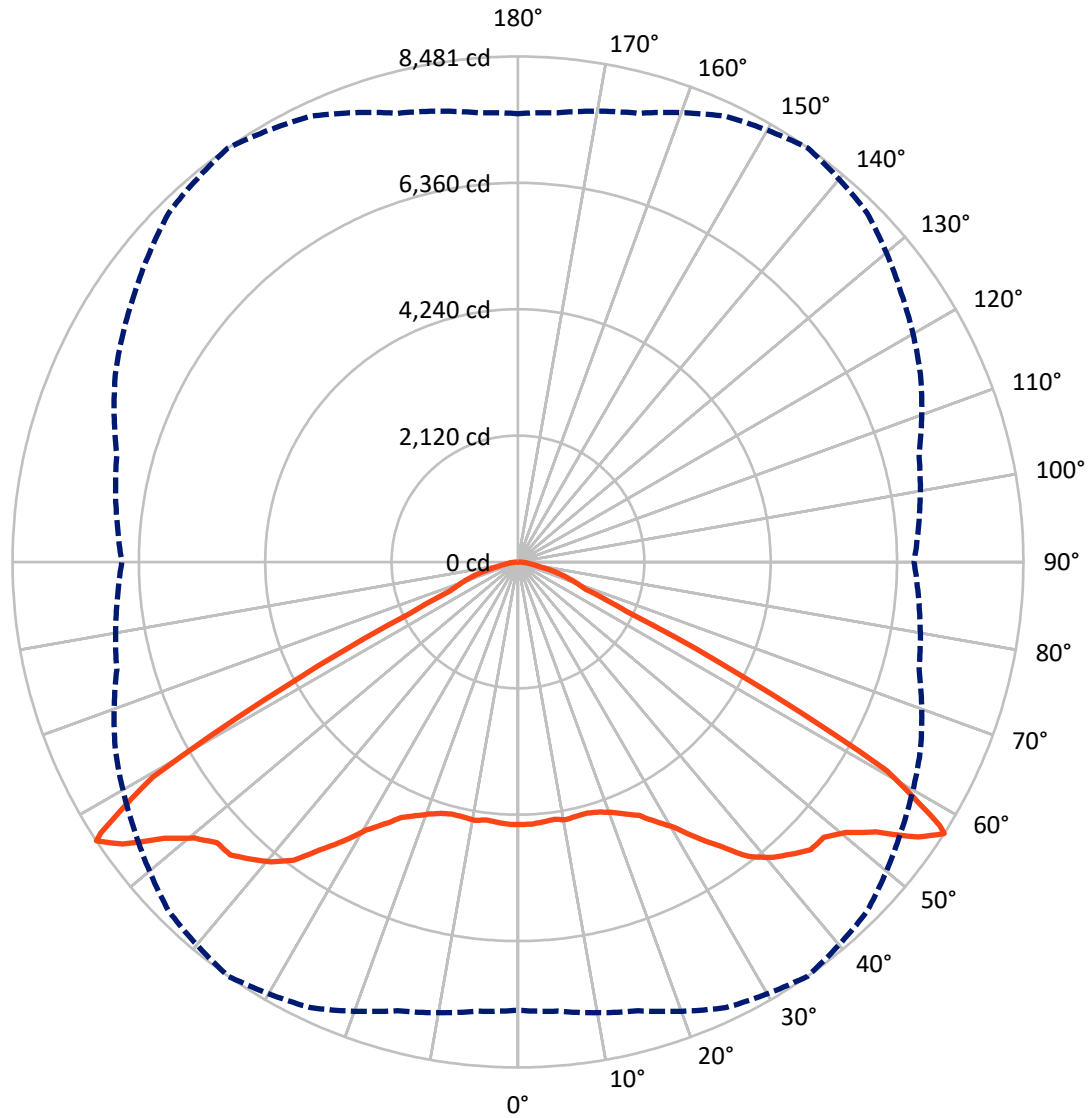
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11149.0	0.0	11149.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11149.0	0.0	11149.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22298.0	0.0	22298.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.5	1.9
10°-20°	1236.5	5.5
20°-30°	2159.5	9.7
30°-40°	3538.4	15.9
40°-50°	5188.1	23.3
50°-60°	6534.8	29.3
60°-70°	2457.7	11.0
70°-80°	653.5	2.9
80°-90°	112.0	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°	22298.0	100.0
0°-180°	22298.0	100.0

**Coefficient of Utilization**



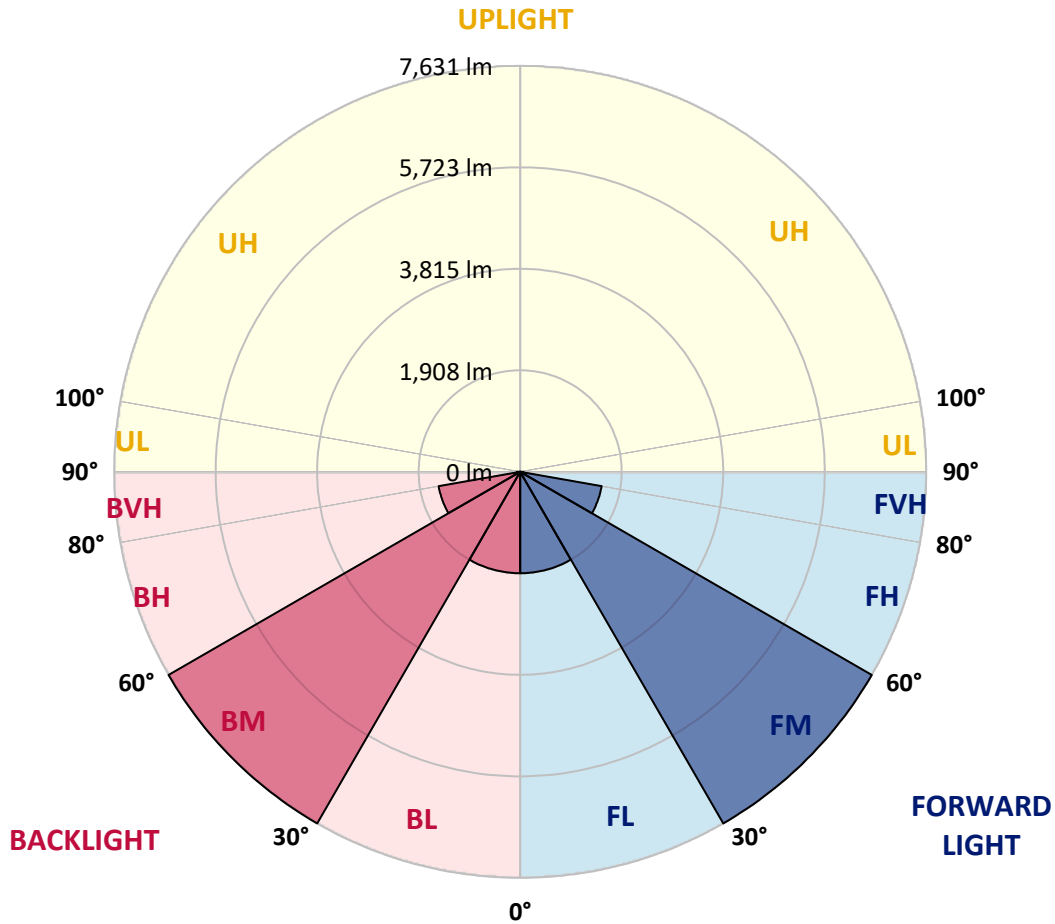
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1906.7	8.6			
FM (30°-60°)	7630.7	34.2			
FH (60°-80°)	1555.6	7.0			G1/1800
FVH (80°-90°)	56.0	0.3			G1/100
BL (0°-30°)	1906.7	8.6	B3/2500		
BM (30°-60°)	7630.7	34.2	B4/8500		
BH (60°-80°)	1555.6	7.0	B3/2500		G1/1800
BVH (80°-90°)	56.0	0.3			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°	4403.7	4403.7	4403.7	4403.7	4403.7	4403.7	4403.7	4403.7	4403.7	4403.7	4403.7
2.5°	4381.7	4425.7	4406.4	4395.4	4403.7	4390.0	4368.0	4392.7	4387.2	4365.2	4357.0
5°	4370.7	4403.7	4381.7	4403.7	4381.7	4420.2	4409.2	4368.0	4417.4	4370.7	4387.2
7.5°	4362.5	4373.5	4379.0	4368.0	4359.7	4406.4	4381.7	4362.5	4335.0	4326.8	4340.5
10°	4343.3	4370.7	4329.5	4384.5	4395.4	4362.5	4362.5	4326.8	4304.8	4291.1	4337.8
12.5°	4392.7	4346.0	4340.5	4368.0	4376.2	4390.0	4351.5	4332.3	4291.1	4296.6	4288.3
15°	4335.0	4354.2	4357.0	4362.5	4370.7	4403.7	4368.0	4326.8	4310.3	4252.6	4258.1
17.5°	4357.0	4337.8	4357.0	4420.2	4409.2	4433.9	4395.4	4332.3	4293.8	4260.8	4304.8
20°	4395.4	4387.2	4395.4	4472.4	4486.1	4508.1	4475.1	4417.4	4343.3	4304.8	4326.8
22.5°	4436.7	4431.2	4436.7	4510.8	4590.5	4618.0	4585.0	4450.4	4411.9	4340.5	4315.8
25°	4510.8	4516.3	4574.0	4656.4	4708.6	4760.8	4700.4	4604.2	4480.6	4436.7	4384.5
27.5°	4675.7	4689.4	4722.4	4843.2	4933.9	4980.6	4895.4	4763.6	4686.6	4596.0	4582.3
30°	4878.9	4878.9	4936.6	5041.0	5164.7	5236.1	5131.7	4975.1	4881.7	4832.2	4802.0
32.5°	5148.2	5118.0	5139.9	5324.0	5516.3	5576.7	5436.6	5244.3	5096.0	5030.0	5008.1
35°	5378.9	5398.2	5447.6	5645.4	5859.7	5999.8	5780.0	5530.0	5378.9	5318.5	5307.5
37.5°	5678.4	5711.3	5736.1	6008.0	6266.3	6318.5	6106.9	5906.4	5722.3	5672.9	5645.4
40°	6101.4	6079.5	6087.7	6288.2	6521.7	6554.7	6345.9	6203.1	6052.0	6021.8	6021.8
42.5°	6450.3	6425.6	6453.1	6527.2	6705.8	6681.1	6565.7	6461.3	6398.1	6365.2	6398.1
45°	6661.9	6656.4	6705.8	6760.8	6887.1	6804.7	6714.0	6730.5	6670.1	6615.2	6612.4
47.5°	6892.6	6856.9	6917.3	6999.8	6903.6	6865.1	6859.6	6895.4	6876.1	6780.0	6749.8
50°	7005.2	6991.5	7087.7	7183.8	7131.6	7043.7	7062.9	7120.6	6873.4	6744.3	6670.1
52.5°	7307.4	7310.2	7494.2	7546.4	7524.5	7395.3	7436.6	7280.0	6988.8	6807.5	6815.7
55°	7782.7	7763.5	7969.5	8123.3	8148.1	7983.2	7785.4	7565.7	7200.3	7016.2	6961.3
57°	7521.7	7565.7	7793.7	8249.7	8480.5	8285.4	7854.1	7453.0	6966.8	6744.3	6645.4
57.5°	7172.8	7244.2	7639.8	8098.6	8340.4	8323.9	7769.0	7244.2	6810.2	6464.1	6472.3
60°	5255.3	5269.0	5626.2	6354.2	7109.6	7126.1	6450.3	5755.3	5271.8	4895.4	4947.6
62.5°	2771.9	2835.1	2977.9	3563.1	4216.9	4376.2	3966.9	3609.8	3192.2	2906.5	2934.0
65°	1467.0	1458.7	1527.4	1692.2	2013.7	2096.1	2041.1	1758.2	1612.6	1565.9	1568.6
67.5°	1192.3	1206.0	1197.8	1206.0	1228.0	1263.7	1255.5	1266.4	1274.7	1288.4	1285.7
70°	1011.0	1011.0	1016.4	1019.2	1019.2	1035.7	1054.9	1090.6	1093.4	1107.1	1112.6
72.5°	796.7	791.2	799.4	818.7	821.4	835.1	862.6	884.6	892.8	892.8	876.3
75°	541.2	546.7	557.7	574.2	590.6	615.4	637.3	651.1	656.6	648.3	640.1
77.5°	304.9	310.4	318.7	343.4	362.6	384.6	409.3	423.1	436.8	439.5	423.1
80°	181.3	181.3	195.0	214.3	236.3	258.2	280.2	296.7	302.2	302.2	293.9
82.5°	109.9	112.6	123.6	142.9	162.1	175.8	195.0	208.8	219.8	217.0	211.5
85°	57.7	57.7	68.7	85.2	98.9	112.6	112.6	104.4	98.9	85.2	79.7
87.5°	19.2	16.5	22.0	22.0	19.2	22.0	22.0	24.7	24.7	24.7	24.7
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)