

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: P529366

Luminaire Tested: **GALN-SA4C-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529366  
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-SA4C-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 1050mA 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: 22868 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

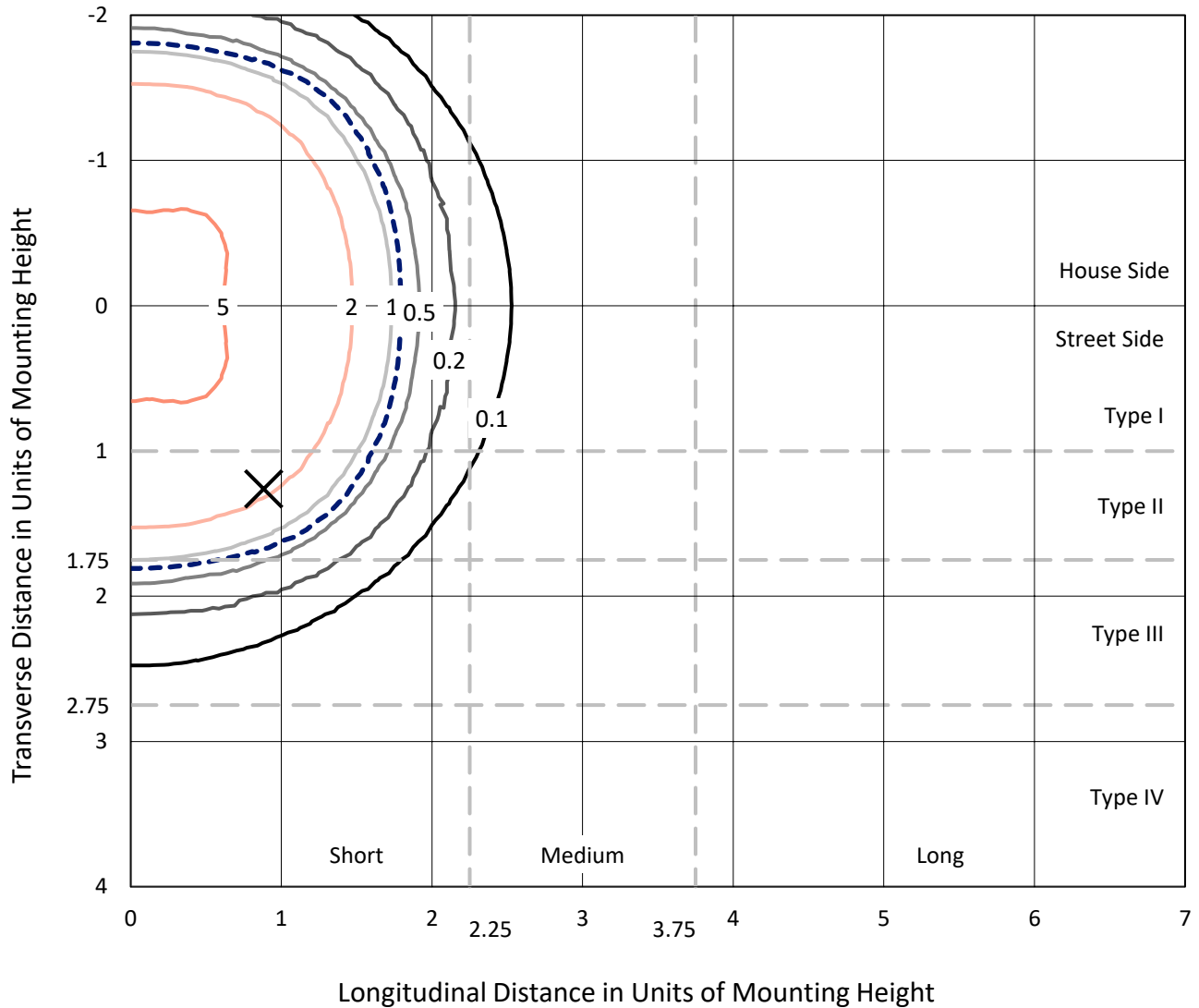
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

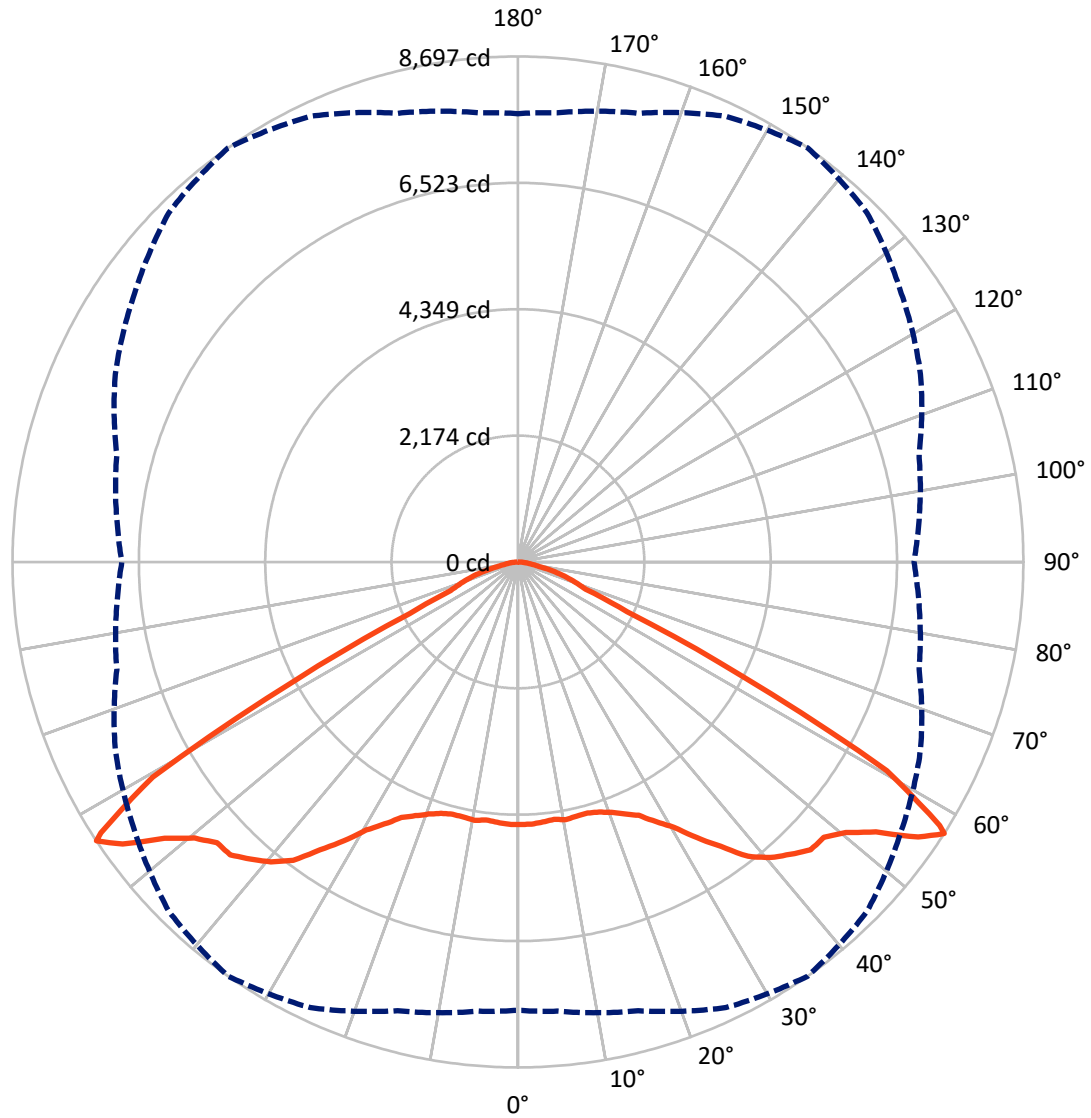
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	11434.0	0.0	11434.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11434.0	0.0	11434.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22868.0	0.0	22868.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.2	1.9
10°-20°	1268.1	5.5
20°-30°	2214.7	9.7
30°-40°	3628.8	15.9
40°-50°	5320.7	23.3
50°-60°	6701.9	29.3
60°-70°	2520.5	11.0
70°-80°	670.2	2.9
80°-90°	114.9	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°	22868.0	100.0
0°-180°	22868.0	100.0

**Coefficient of Utilization**

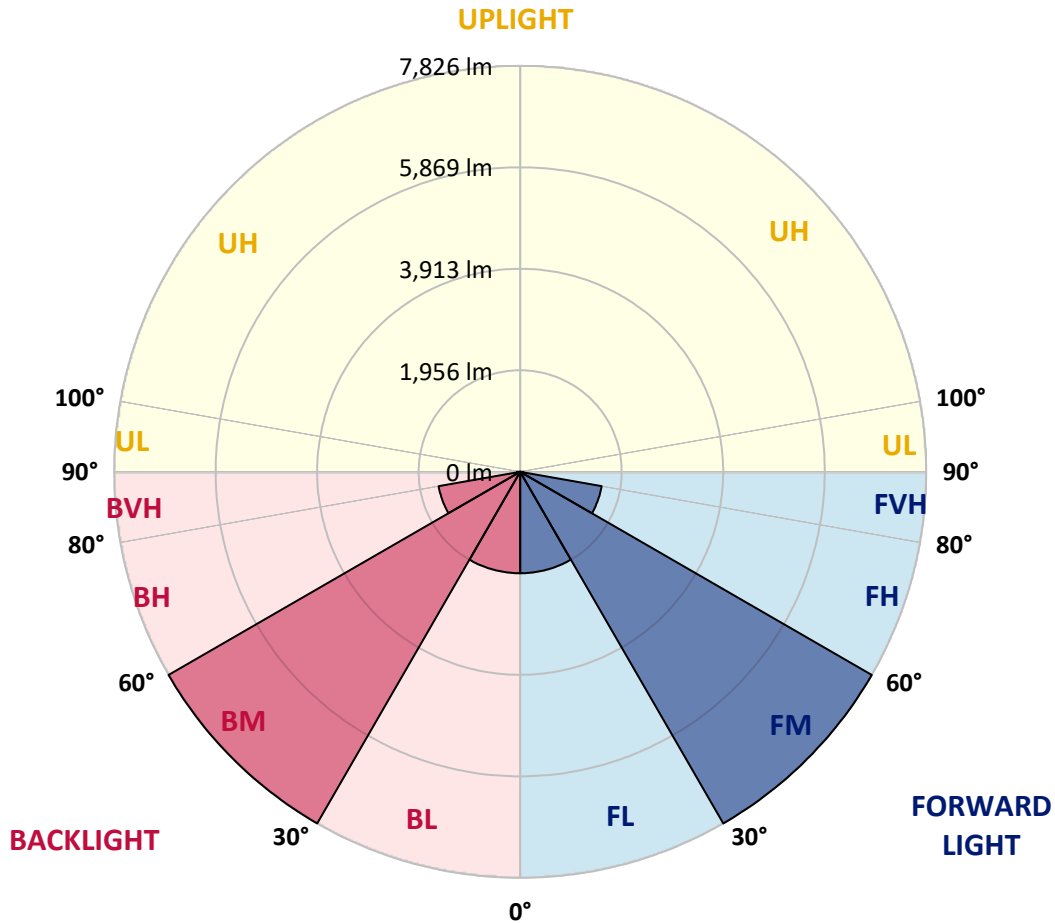


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1955.5	8.6			
FM (30°-60°)	7825.7	34.2			
FH (60°-80°)	1595.4	7.0			G1/1800
FVH (80°-90°)	57.5	0.3			G1/100
BL (0°-30°)	1955.5	8.6	B3/2500		
BM (30°-60°)	7825.7	34.2	B4/8500		
BH (60°-80°)	1595.4	7.0	B3/2500		G1/1800
BVH (80°-90°)	57.5	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°	4516.3	4516.3	4516.3	4516.3	4516.3	4516.3	4516.3	4516.3	4516.3	4516.3	4516.3
2.5°	4493.7	4538.8	4519.1	4507.8	4516.3	4502.2	4479.6	4505.0	4499.4	4476.8	4468.4
5°	4482.5	4516.3	4493.7	4516.3	4493.7	4533.2	4521.9	4479.6	4530.3	4482.5	4499.4
7.5°	4474.0	4485.3	4490.9	4479.6	4471.2	4519.1	4493.7	4474.0	4445.8	4437.4	4451.5
10°	4454.3	4482.5	4440.2	4496.5	4507.8	4474.0	4474.0	4437.4	4414.8	4400.7	4448.6
12.5°	4505.0	4457.1	4451.5	4479.6	4488.1	4502.2	4462.7	4443.0	4400.7	4406.4	4397.9
15°	4445.8	4465.5	4468.4	4474.0	4482.5	4516.3	4479.6	4437.4	4420.5	4361.3	4366.9
17.5°	4468.4	4448.6	4468.4	4533.2	4521.9	4547.3	4507.8	4443.0	4403.6	4369.8	4414.8
20°	4507.8	4499.4	4507.8	4586.7	4600.8	4623.3	4589.5	4530.3	4454.3	4414.8	4437.4
22.5°	4550.1	4544.4	4550.1	4626.1	4707.8	4736.0	4702.2	4564.2	4524.7	4451.5	4426.1
25°	4626.1	4631.8	4690.9	4775.5	4829.0	4882.5	4820.5	4721.9	4595.1	4550.1	4496.5
27.5°	4795.2	4809.3	4843.1	4967.0	5060.0	5107.9	5020.6	4885.3	4806.5	4713.5	4699.4
30°	5003.7	5003.7	5062.8	5169.9	5296.7	5369.9	5262.9	5102.3	5006.5	4955.8	4924.8
32.5°	5279.8	5248.8	5271.3	5460.1	5657.3	5719.3	5575.6	5378.4	5226.2	5158.6	5136.1
35°	5516.4	5536.2	5586.9	5789.7	6009.5	6153.2	5927.8	5671.4	5516.4	5454.4	5443.2
37.5°	5823.5	5857.3	5882.7	6161.6	6426.4	6480.0	6263.0	6057.4	5868.6	5817.9	5789.7
40°	6257.4	6234.9	6243.3	6449.0	6688.5	6722.3	6508.1	6361.6	6206.7	6175.7	6175.7
42.5°	6615.2	6589.9	6618.0	6694.1	6877.2	6851.9	6733.5	6626.5	6561.7	6527.9	6561.7
45°	6832.1	6826.5	6877.2	6933.6	7063.2	6978.7	6885.7	6902.6	6840.6	6784.3	6781.4
47.5°	7068.8	7032.2	7094.2	7178.7	7080.1	7040.6	7035.0	7071.6	7051.9	6953.3	6922.3
50°	7184.3	7170.2	7268.8	7367.5	7313.9	7223.8	7243.5	7302.7	7049.1	6916.7	6840.6
52.5°	7494.2	7497.1	7685.8	7739.3	7716.8	7584.4	7626.6	7466.1	7167.4	6981.5	6989.9
55°	7981.6	7961.9	8173.2	8331.0	8356.4	8187.3	7984.5	7759.1	7384.4	7195.6	7139.2
57°	7714.0	7759.1	7992.9	8460.6	8697.3	8497.2	8054.9	7643.6	7144.9	6916.7	6815.2
57.5°	7356.2	7429.4	7835.1	8305.6	8553.6	8536.7	7967.6	7429.4	6984.3	6629.3	6637.7
60°	5389.6	5403.7	5770.0	6516.6	7291.4	7308.3	6615.2	5902.4	5406.6	5020.6	5074.1
62.5°	2842.7	2907.5	3054.0	3654.1	4324.7	4488.1	4068.3	3702.0	3273.8	2980.8	3009.0
65°	1504.5	1496.0	1566.5	1735.5	2065.1	2149.7	2093.3	1803.1	1653.8	1605.9	1608.7
67.5°	1222.7	1236.8	1228.4	1236.8	1259.4	1296.0	1287.5	1298.8	1307.3	1321.4	1318.5
70°	1036.8	1036.8	1042.4	1045.2	1045.2	1062.2	1081.9	1118.5	1121.3	1135.4	1141.0
72.5°	817.0	811.4	819.9	839.6	842.4	856.5	884.7	907.2	915.6	915.6	898.7
75°	555.0	560.7	571.9	588.8	605.7	631.1	653.6	667.7	673.4	664.9	656.4
77.5°	312.7	318.4	326.8	352.2	371.9	394.4	419.8	433.9	448.0	450.8	433.9
80°	185.9	185.9	200.0	219.8	242.3	264.8	287.4	304.3	309.9	309.9	301.5
82.5°	112.7	115.5	126.8	146.5	166.2	180.3	200.0	214.1	225.4	222.6	216.9
85°	59.2	59.2	70.4	87.3	101.4	115.5	115.5	107.1	101.4	87.3	81.7
87.5°	19.7	16.9	22.5	22.5	19.7	22.5	22.5	25.4	25.4	25.4	25.4
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)