

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: P533117

Luminaire Tested: **GALN-SA8C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533117  
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-SA8C-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 1050mA 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: 34177 lumens  
Efficiency: N/A  
Efficacy: 79.7 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

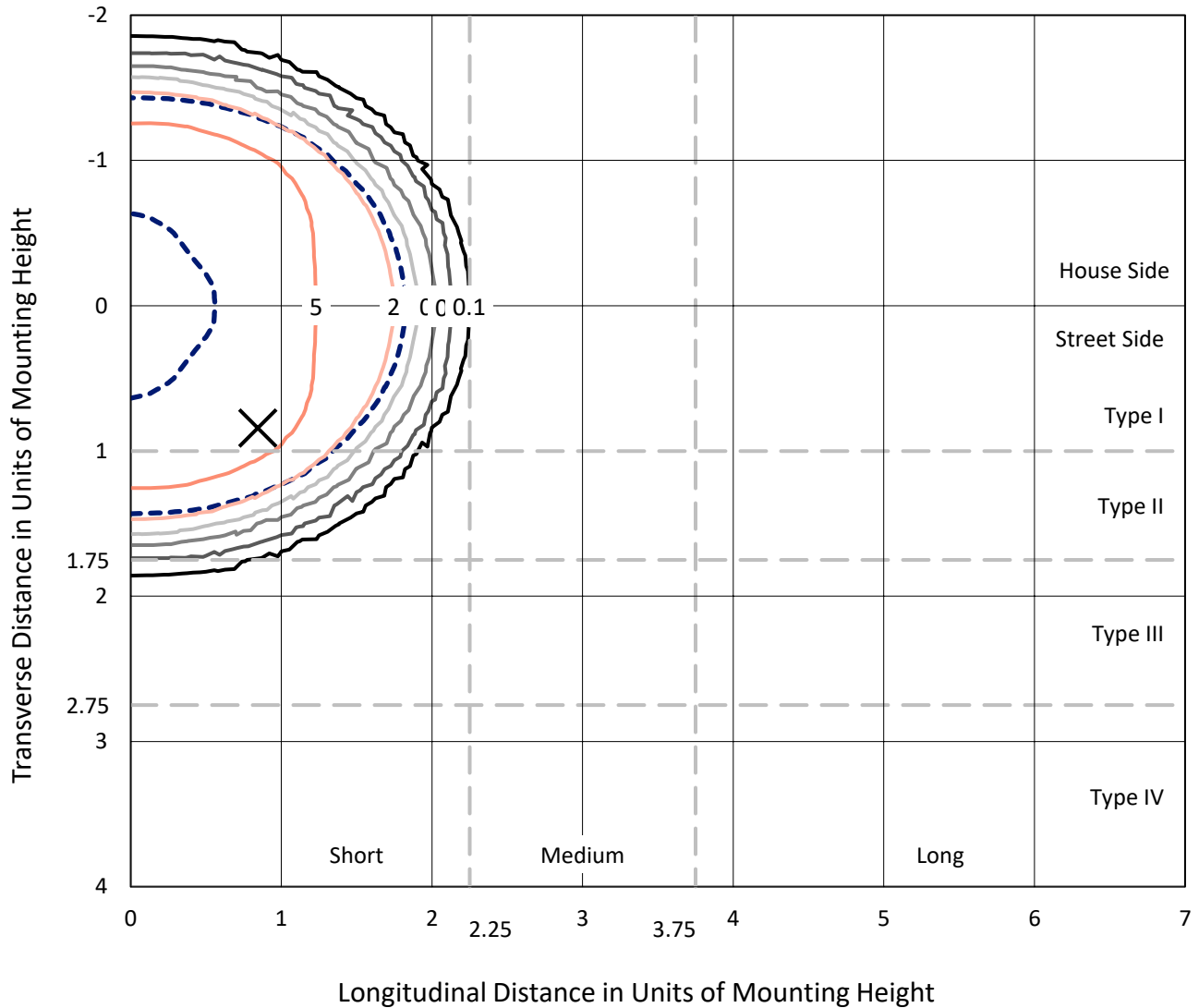
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

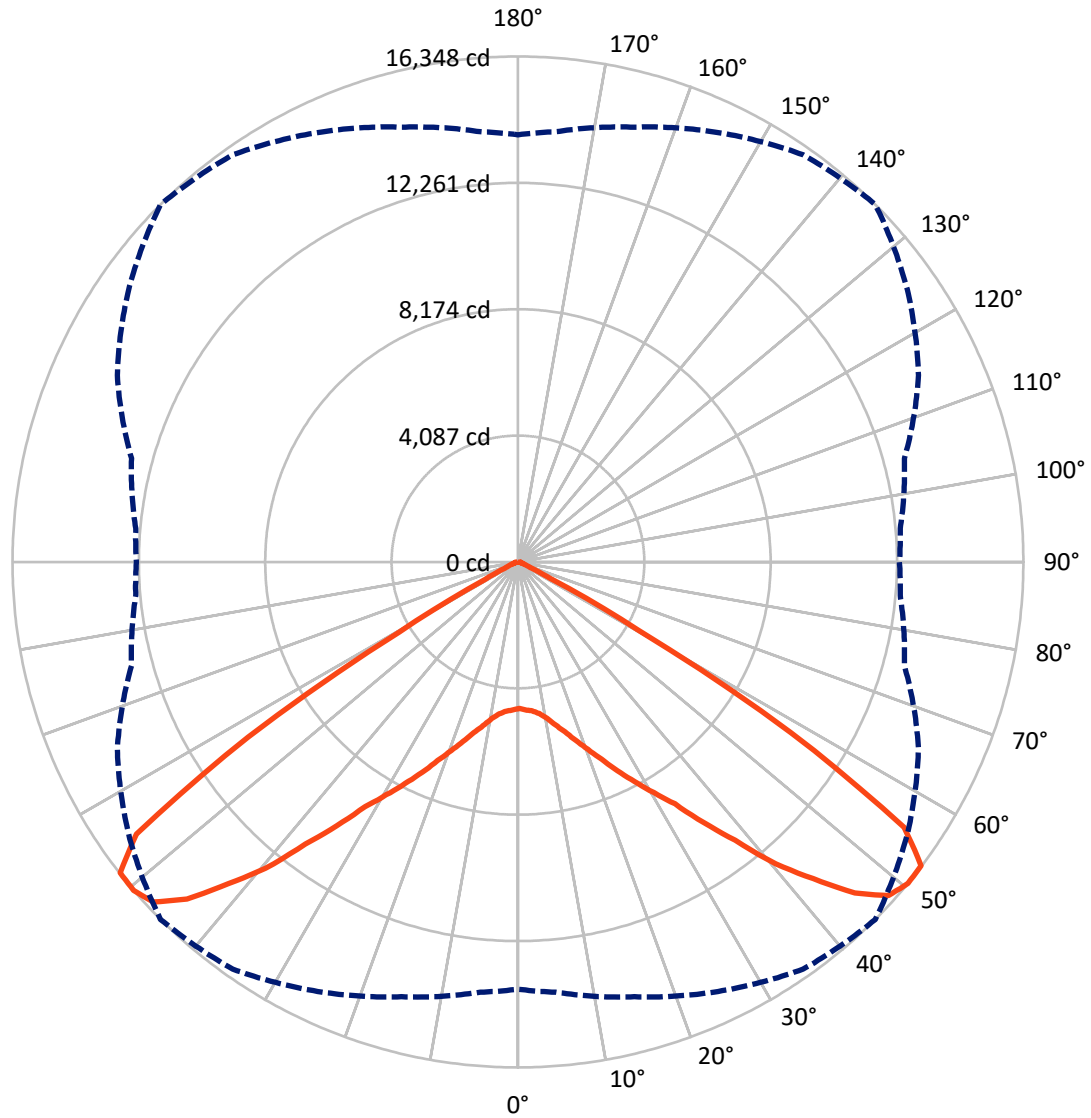
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	17088.5	0.0	17088.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17088.5	0.0	17088.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34177.0	0.0	34177.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.4	1.4
10°-20°	1624.7	4.8
20°-30°	3318.2	9.7
30°-40°	6327.8	18.5
40°-50°	10663.3	31.2
50°-60°	10169.3	29.8
60°-70°	1419.6	4.2
70°-80°	135.8	0.4
80°-90°	46.9	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°	34177.0	100.0
0°-180°	34177.0	100.0

**Coefficient of Utilization**

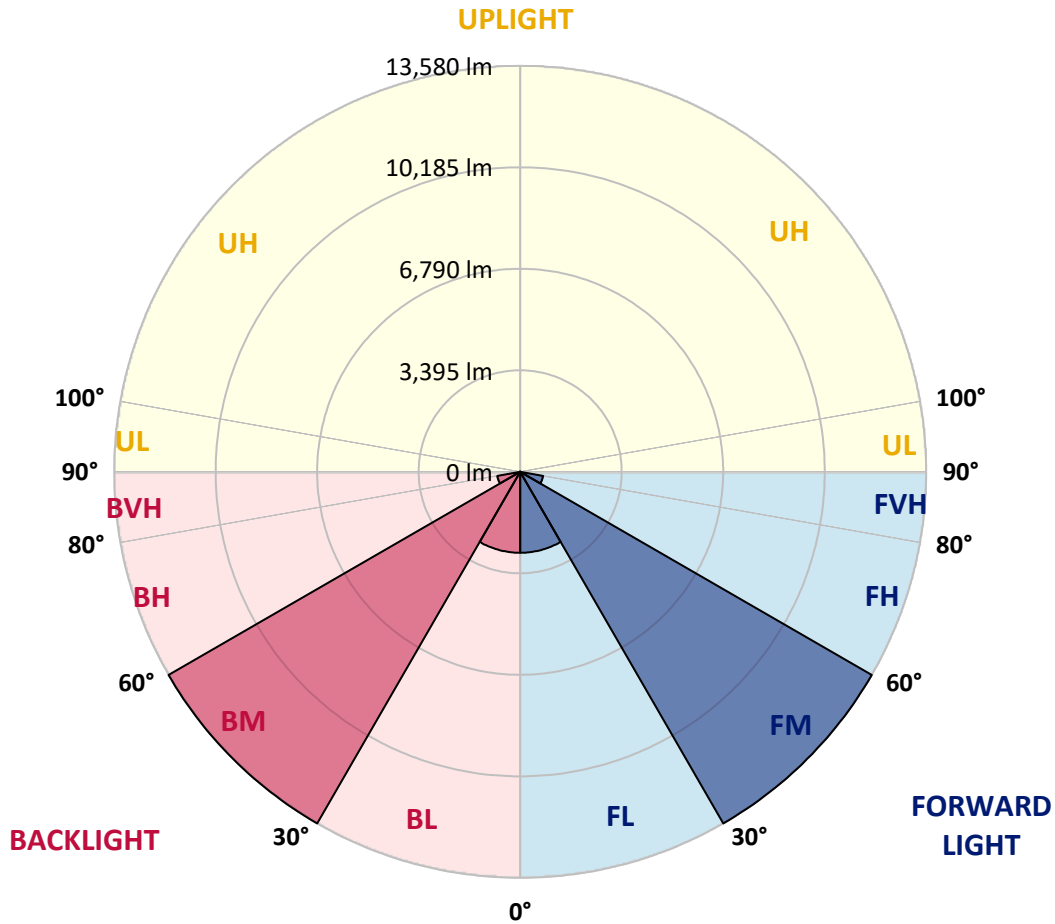


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2707.1	7.9			
FM (30°-60°)	13580.2	39.7			
FH (60°-80°)	777.7	2.3			G1/1800
FVH (80°-90°)	23.5	0.1			G1/100
BL (0°-30°)	2707.1	7.9	B4/5000		
BM (30°-60°)	13580.2	39.7	B5		
BH (60°-80°)	777.7	2.3	B2/1000		G1/1800
BVH (80°-90°)	23.5	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°	4738.3	4738.3	4738.3	4738.3	4738.3	4738.3	4738.3	4738.3	4738.3	4738.3	4738.3
2.5°	4721.0	4721.0	4715.3	4761.3	4738.3	4790.0	4784.3	4801.5	4818.8	4813.0	4859.0
5°	4680.8	4675.0	4675.0	4726.8	4778.5	4836.0	4887.8	4922.3	4979.8	4979.8	5037.3
7.5°	4721.0	4692.3	4732.5	4755.5	4853.3	4951.0	5037.3	5106.3	5238.5	5284.5	5267.3
10°	4732.5	4767.0	4795.8	4864.8	4985.5	5135.0	5209.8	5382.3	5531.8	5635.3	5658.3
12.5°	4807.3	4859.0	4939.5	5106.3	5215.5	5411.1	5514.6	5681.3	5888.3	6003.3	6083.8
15°	4951.0	4968.3	5071.8	5284.5	5520.3	5698.6	5859.6	5980.3	6181.6	6313.9	6319.6
17.5°	5135.0	5209.8	5353.5	5554.8	5802.1	6066.6	6193.1	6325.4	6400.1	6578.4	6618.6
20°	5503.1	5514.6	5652.6	5917.1	6227.6	6469.1	6561.1	6630.1	6601.4	6785.4	6819.9
22.5°	5848.1	5859.6	6032.1	6388.6	6722.1	6929.1	6969.4	6929.1	6842.9	6975.1	6986.6
25°	6198.8	6302.4	6428.9	6785.4	7199.4	7475.4	7481.2	7371.9	7193.7	7216.7	7274.2
27.5°	6745.1	6819.9	6952.1	7279.9	7734.2	8044.7	7992.9	7860.7	7630.7	7647.9	7630.7
30°	7383.4	7452.4	7561.7	7981.4	8315.0	8654.2	8729.0	8602.5	8257.5	8182.7	8269.0
32.5°	8154.0	8251.7	8453.0	8838.2	9120.0	9327.0	9378.8	9332.8	9010.8	8982.0	9039.5
35°	9091.3	9223.5	9407.5	9746.8	9976.8	10350.6	10350.6	10195.3	9902.1	9936.6	9930.8
37.5°	10080.3	10275.8	10563.3	10908.4	11218.9	11420.1	11356.9	11224.6	10931.4	10856.6	10931.4
40°	11322.4	11420.1	11782.4	12230.9	12610.5	12840.5	12570.2	12282.7	11581.1	11690.4	11891.7
42.5°	12455.2	12610.5	12886.5	13381.0	13812.3	14002.0	13680.0	13110.7	12265.4	12179.2	12328.7
45°	13421.3	13588.0	13950.3	14657.6	15111.8	15278.6	14565.6	13645.5	12679.5	12460.9	12524.2
47.5°	14065.3	14151.5	14657.6	15330.4	15744.4	16123.9	15100.3	14013.5	12875.0	12460.9	12437.9
50°	13818.0	13967.5	14559.8	15324.6	16077.9	16348.2	15370.6	14295.3	12938.2	12409.2	12340.2
52.5°	12271.2	12530.0	13191.2	14220.5	15359.1	16325.2	15744.4	14203.3	12915.2	12460.9	12564.5
55°	8539.2	8545.0	9350.0	10868.1	12880.7	15157.8	15198.1	14306.8	13064.7	12783.0	12788.7
57.5°	3432.9	3605.5	4220.7	5744.6	7601.9	10408.1	12374.7	13271.7	13082.0	13013.0	13191.2
60°	868.3	874.0	1063.8	1621.6	2673.9	4462.2	6480.6	8769.2	10097.6	10551.8	10615.1
62.5°	442.8	448.5	494.5	575.0	730.3	1196.1	2127.6	3375.4	4801.5	5526.1	5715.8
65°	362.3	362.3	391.0	431.3	437.0	460.0	552.0	787.8	1144.3	1299.6	1316.8
67.5°	276.0	276.0	299.0	322.0	333.5	327.8	316.3	327.8	396.8	379.5	368.0
70°	172.5	178.3	189.8	212.8	224.3	230.0	235.8	247.3	281.8	293.3	281.8
72.5°	103.5	103.5	109.3	126.5	143.8	155.3	172.5	184.0	201.3	230.0	224.3
75°	46.0	46.0	57.5	74.8	92.0	109.3	126.5	143.8	155.3	172.5	178.3
77.5°	11.5	17.3	28.8	51.8	69.0	92.0	115.0	132.3	143.8	143.8	138.0
80°	5.8	5.8	23.0	40.3	74.8	97.8	126.5	138.0	155.3	143.8	126.5
82.5°	5.8	5.8	23.0	40.3	69.0	97.8	132.3	149.5	161.0	143.8	120.8
85°	0.0	5.8	17.3	34.5	57.5	69.0	57.5	40.3	23.0	23.0	17.3
87.5°	0.0	0.0	5.8	5.8	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)