

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: P533109

Luminaire Tested: **GALN-SA8C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
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-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31738 lumens  
Efficiency: N/A  
Efficacy: 74.0 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

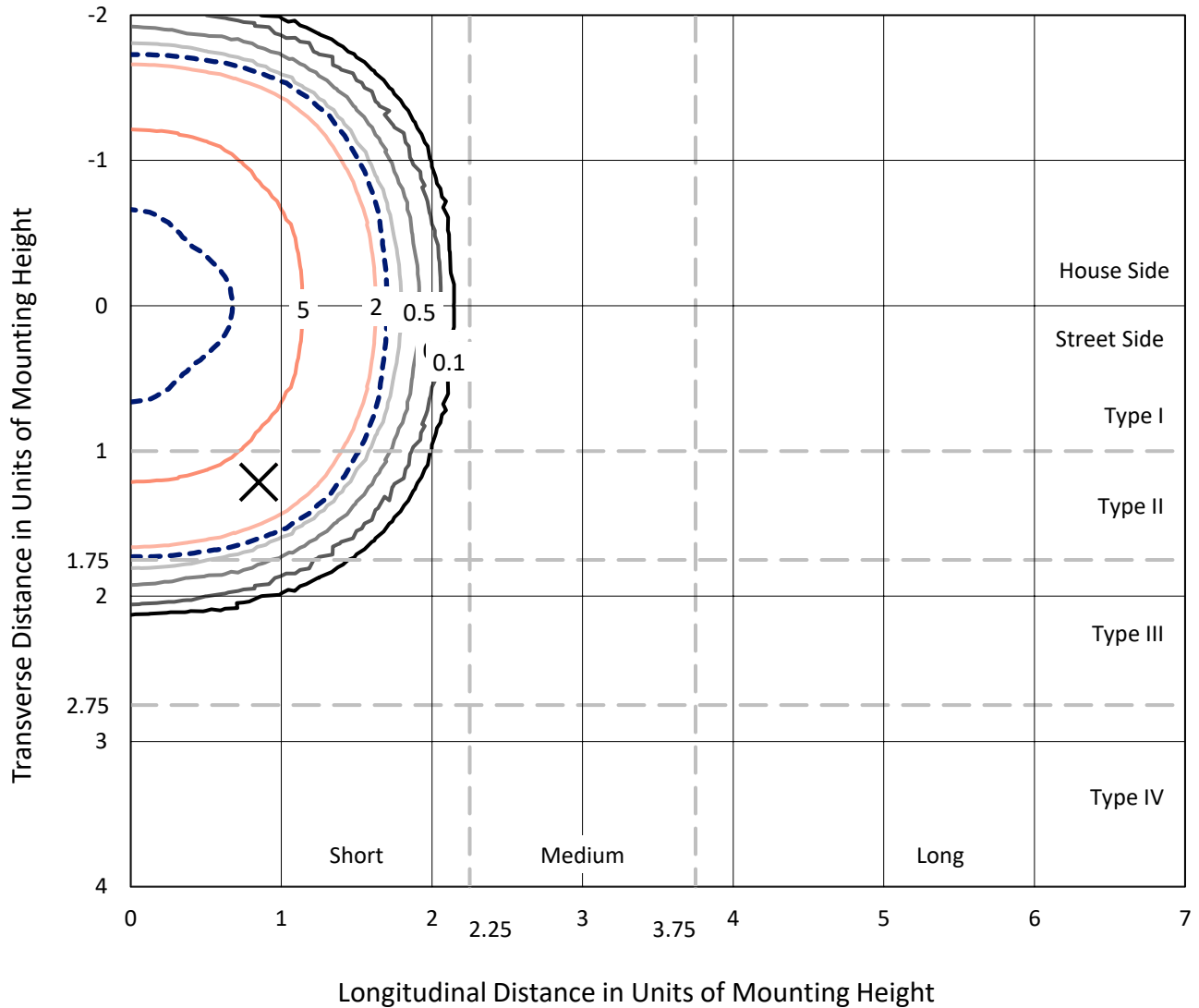
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

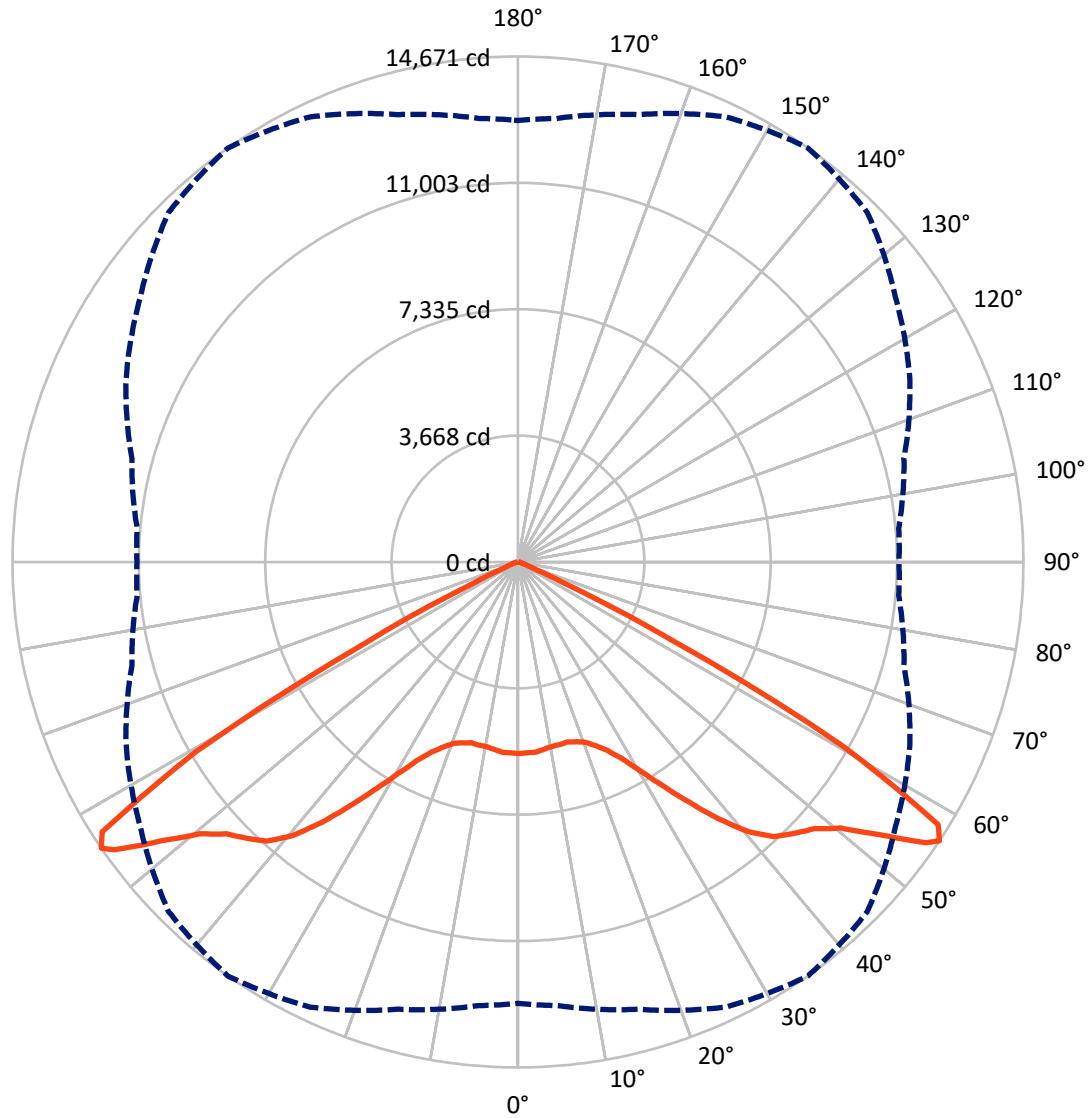
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15869.0	0.0	15869.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15869.0	0.0	15869.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31738.0	0.0	31738.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	522.7	1.6
10°-20°	1525.9	4.8
20°-30°	2763.2	8.7
30°-40°	5124.1	16.1
40°-50°	8410.8	26.5
50°-60°	10835.6	34.1
60°-70°	2388.0	7.5
70°-80°	138.6	0.4
80°-90°	29.2	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°	31738.0	100.0
0°-180°	31738.0	100.0

**Coefficient of Utilization**

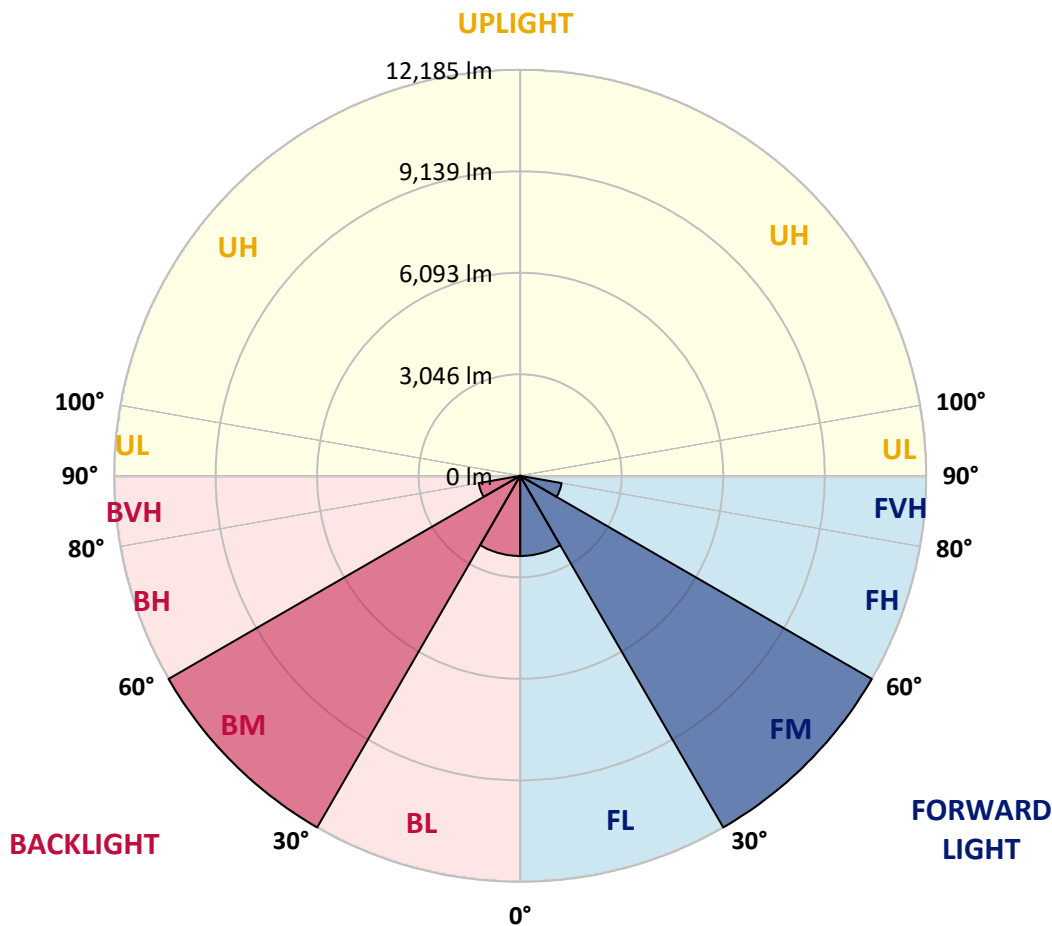


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2405.9	7.6			
FM (30°-60°)	12185.2	38.4			
FH (60°-80°)	1263.3	4.0			G1/1800
FVH (80°-90°)	14.6	0.0			G1/100
BL (0°-30°)	2405.9	7.6	B3/2500		
BM (30°-60°)	12185.2	38.4	B5		
BH (60°-80°)	1263.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	14.6	0.0			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°	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2
2.5°	5572.7	5572.7	5578.4	5584.2	5543.9	5526.7	5532.4	5520.9	5515.2	5532.4	5532.4
5°	5555.4	5555.4	5538.2	5543.9	5543.9	5492.2	5492.2	5503.7	5503.7	5469.2	5457.7
7.5°	5509.4	5497.9	5474.9	5503.7	5486.4	5486.4	5446.2	5417.4	5405.9	5428.9	5405.9
10°	5411.7	5417.4	5440.4	5451.9	5440.4	5474.9	5405.9	5365.6	5325.4	5308.1	5308.1
12.5°	5365.6	5400.2	5365.6	5394.4	5434.7	5405.9	5365.6	5336.9	5279.4	5256.4	5256.4
15°	5359.9	5382.9	5394.4	5434.7	5417.4	5428.9	5348.4	5313.9	5227.6	5187.4	5170.1
17.5°	5354.1	5382.9	5400.2	5474.9	5486.4	5492.2	5428.9	5325.4	5250.6	5210.4	5170.1
20°	5417.4	5428.9	5463.4	5538.2	5584.2	5664.7	5549.7	5440.4	5279.4	5233.4	5216.1
22.5°	5497.9	5555.4	5589.9	5670.4	5791.2	5860.2	5710.7	5572.7	5405.9	5348.4	5279.4
25°	5756.7	5745.2	5802.7	5969.5	6067.3	6119.0	5998.3	5797.0	5578.4	5509.4	5520.9
27.5°	6078.8	6090.3	6142.0	6326.1	6469.8	6550.3	6406.6	6142.0	5929.2	5814.2	5802.7
30°	6498.6	6487.1	6544.6	6791.9	7050.7	7171.4	6918.4	6607.9	6400.8	6251.3	6285.8
32.5°	6941.4	6947.2	7108.2	7332.5	7752.3	7988.1	7579.8	7200.2	6889.7	6786.1	6734.4
35°	7597.0	7625.8	7752.3	8097.4	8563.2	8868.0	8419.4	7965.1	7608.5	7418.7	7441.7
37.5°	8407.9	8379.2	8591.9	8965.7	9454.6	9678.9	9299.3	8781.7	8419.4	8292.9	8373.4
40°	9270.6	9299.3	9408.6	9747.9	10294.2	10443.7	9880.2	9598.4	9282.1	9218.8	9316.6
42.5°	10133.2	10115.9	10196.5	10501.3	10898.1	10794.6	10461.0	10294.2	10069.9	9943.4	10075.7
45°	10765.8	10737.0	10886.6	11093.6	11237.4	11041.8	10892.3	10834.8	10719.8	10581.8	10702.5
47.5°	11381.2	11358.1	11501.9	11559.4	11570.9	11312.1	11340.9	11444.4	11156.9	10869.3	11007.3
50°	11904.5	11864.2	12042.5	12169.0	12140.3	11726.2	11829.7	11726.2	11277.6	10938.3	10886.6
52.5°	12778.6	12795.9	12985.7	13215.7	13146.7	12801.6	12652.1	12180.5	11605.4	11300.6	11122.4
55°	13330.7	13244.5	13572.3	14302.6	14383.2	14026.6	13365.2	12669.4	11806.7	11432.9	11386.9
56°	12813.1	12922.4	13440.0	14256.6	14670.7	14342.9	13382.5	12548.6	11599.7	11093.6	11059.1
57.5°	11496.2	11438.7	12140.3	13256.0	14383.2	14245.1	12910.9	11686.0	10581.8	10012.4	9943.4
60°	7154.2	7321.0	7936.3	9316.6	10823.3	10892.3	9569.6	8517.2	7229.0	6722.9	6843.6
62.5°	2800.7	2656.9	3042.3	4071.7	5106.9	5336.9	4836.6	4019.9	3301.1	2800.7	2766.2
65°	649.9	632.6	713.1	983.4	1374.5	1593.0	1512.5	1086.9	799.4	759.1	701.6
67.5°	368.1	368.1	350.8	350.8	385.3	408.3	391.1	385.3	402.6	419.8	414.1
70°	258.8	253.0	241.5	247.3	235.8	235.8	253.0	281.8	304.8	304.8	310.6
72.5°	155.3	155.3	155.3	172.5	172.5	172.5	189.8	212.8	218.5	212.8	207.0
75°	69.0	69.0	80.5	97.8	109.3	115.0	132.3	143.8	155.3	143.8	132.3
77.5°	17.3	17.3	28.8	40.3	51.8	63.3	86.3	103.5	109.3	103.5	86.3
80°	5.8	5.8	11.5	28.8	51.8	63.3	86.3	92.0	97.8	86.3	69.0
82.5°	5.8	5.8	11.5	28.8	40.3	51.8	69.0	80.5	86.3	74.8	69.0
85°	0.0	5.8	11.5	23.0	34.5	46.0	46.0	34.5	28.8	17.3	23.0
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)