

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: P531237

Luminaire Tested: **GALN-SA6C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531237  
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-SA6C-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 23307 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

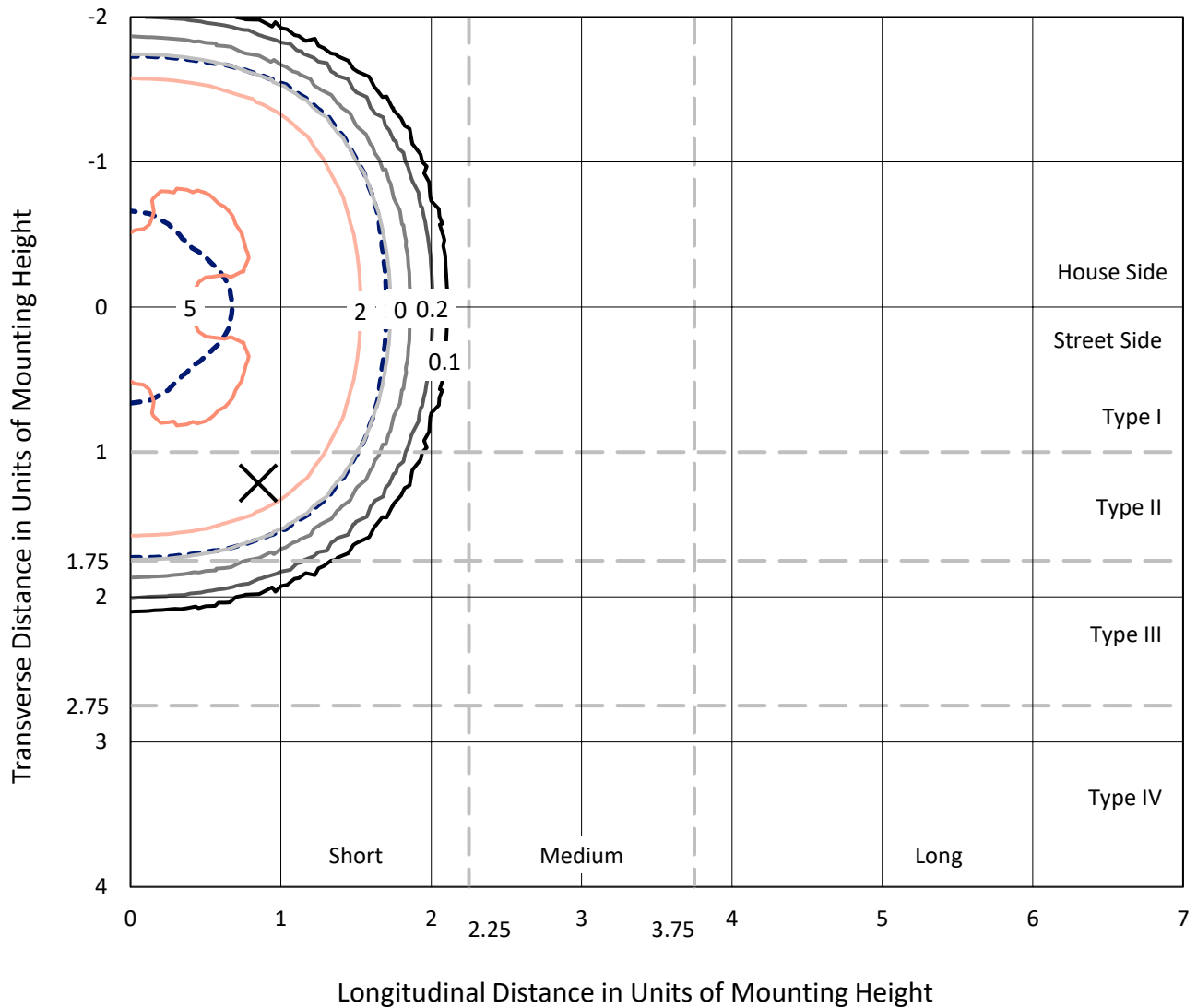
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

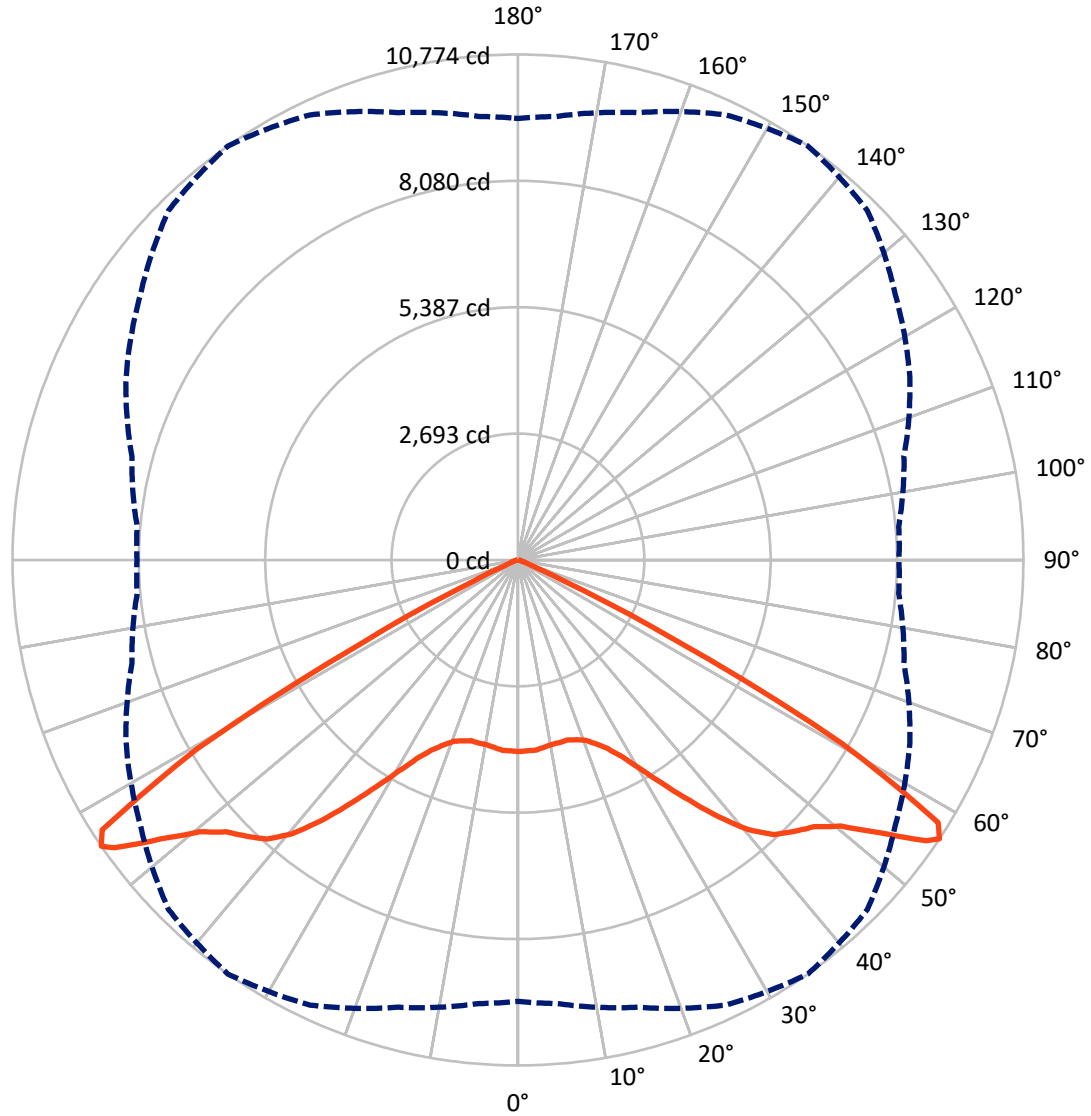
✕ Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11653.5	0.0	11653.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11653.5	0.0	11653.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23307.0	0.0	23307.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.8	1.6
10°-20°	1120.6	4.8
20°-30°	2029.2	8.7
30°-40°	3762.9	16.1
40°-50°	6176.5	26.5
50°-60°	7957.2	34.1
60°-70°	1753.7	7.5
70°-80°	101.7	0.4
80°-90°	21.4	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°	23307.0	100.0
0°-180°	23307.0	100.0

**Coefficient of Utilization**



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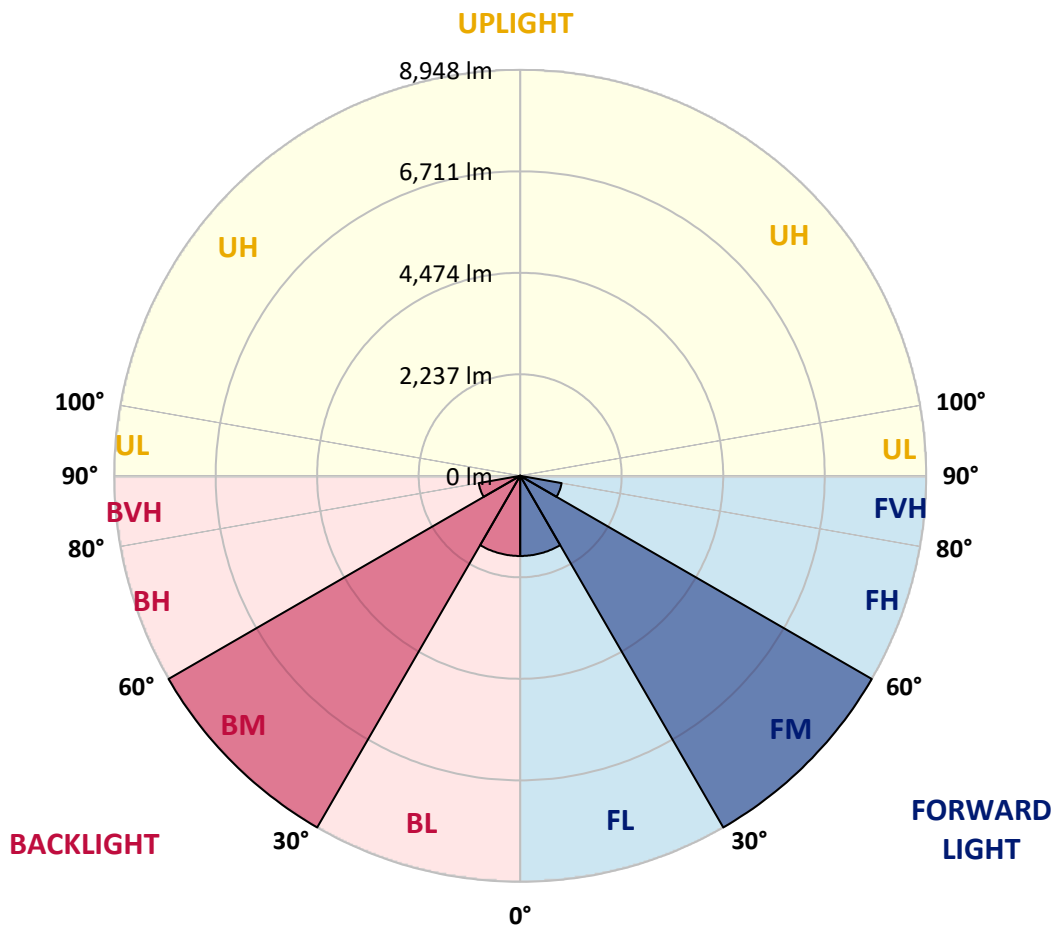
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1766.8	7.6			
FM (30°-60°)	8948.3	38.4			
FH (60°-80°)	927.7	4.0			G1/1800
FVH (80°-90°)	10.7	0.0			G1/100
BL (0°-30°)	1766.8	7.6	B3/2500		
BM (30°-60°)	8948.3	38.4	B5		
BH (60°-80°)	927.7	4.0	B2/1000		G1/1800
BVH (80°-90°)	10.7	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°	4083.9	4083.9	4083.9	4083.9	4083.9	4083.9	4083.9	4083.9	4083.9	4083.9	4083.9
2.5°	4092.3	4092.3	4096.6	4100.8	4071.2	4058.5	4062.8	4054.3	4050.1	4062.8	4062.8
5°	4079.7	4079.7	4067.0	4071.2	4071.2	4033.2	4033.2	4041.7	4041.7	4016.3	4007.9
7.5°	4045.9	4037.4	4020.5	4041.7	4029.0	4029.0	3999.4	3978.3	3969.9	3986.8	3969.9
10°	3974.1	3978.3	3995.2	4003.6	3995.2	4020.5	3969.9	3940.3	3910.7	3898.1	3898.1
12.5°	3940.3	3965.6	3940.3	3961.4	3991.0	3969.9	3940.3	3919.2	3876.9	3860.1	3860.1
15°	3936.1	3953.0	3961.4	3991.0	3978.3	3986.8	3927.6	3902.3	3838.9	3809.4	3796.7
17.5°	3931.9	3953.0	3965.6	4020.5	4029.0	4033.2	3986.8	3910.7	3855.8	3826.3	3796.7
20°	3978.3	3986.8	4012.1	4067.0	4100.8	4159.9	4075.4	3995.2	3876.9	3843.2	3830.5
22.5°	4037.4	4079.7	4105.0	4164.1	4252.8	4303.5	4193.7	4092.3	3969.9	3927.6	3876.9
25°	4227.5	4219.0	4261.3	4383.7	4455.5	4493.5	4404.9	4257.0	4096.6	4045.9	4054.3
27.5°	4464.0	4472.4	4510.4	4645.6	4751.2	4810.3	4704.7	4510.4	4354.2	4269.7	4261.3
30°	4772.3	4763.8	4806.1	4987.7	5177.7	5266.4	5080.6	4852.5	4700.5	4590.7	4616.0
32.5°	5097.5	5101.7	5219.9	5384.7	5692.9	5866.1	5566.3	5287.5	5059.5	4983.4	4945.4
35°	5578.9	5600.0	5692.9	5946.3	6288.4	6512.3	6182.8	5849.2	5587.4	5448.0	5464.9
37.5°	6174.4	6153.3	6309.5	6584.1	6943.0	7107.7	6829.0	6448.9	6182.8	6089.9	6149.1
40°	6807.9	6829.0	6909.2	7158.4	7559.6	7669.4	7255.6	7048.6	6816.3	6769.9	6841.7
42.5°	7441.4	7428.7	7487.8	7711.7	8003.1	7927.0	7682.1	7559.6	7394.9	7302.0	7399.1
45°	7905.9	7884.8	7994.6	8146.7	8252.2	8108.6	7998.8	7956.6	7872.1	7770.8	7859.5
47.5°	8357.8	8340.9	8446.5	8488.7	8497.2	8307.1	8328.3	8404.3	8193.1	7982.0	8083.3
50°	8742.1	8712.6	8843.5	8936.4	8915.3	8611.2	8687.2	8611.2	8281.8	8032.6	7994.6
52.5°	9384.1	9396.7	9536.1	9705.0	9654.4	9401.0	9291.2	8944.9	8522.5	8298.7	8167.8
55°	9789.5	9726.2	9966.9	10503.2	10562.4	10300.5	9814.8	9303.8	8670.3	8395.8	8362.0
56°	9409.4	9489.7	9869.7	10469.4	10773.5	10532.8	9827.5	9215.1	8518.3	8146.7	8121.3
57.5°	8442.3	8400.1	8915.3	9734.6	10562.4	10461.0	9481.2	8581.7	7770.8	7352.7	7302.0
60°	5253.7	5376.2	5828.1	6841.7	7948.2	7998.8	7027.5	6254.6	5308.6	4937.0	5025.7
62.5°	2056.7	1951.1	2234.1	2990.1	3750.3	3919.2	3551.8	2952.1	2424.1	2056.7	2031.4
65°	477.2	464.6	523.7	722.2	1009.4	1169.8	1110.7	798.2	587.0	557.5	515.2
67.5°	270.3	270.3	257.6	257.6	283.0	299.9	287.2	283.0	295.6	308.3	304.1
70°	190.0	185.8	177.4	181.6	173.2	173.2	185.8	206.9	223.8	223.8	228.1
72.5°	114.0	114.0	114.0	126.7	126.7	126.7	139.4	156.3	160.5	156.3	152.0
75°	50.7	50.7	59.1	71.8	80.2	84.5	97.1	105.6	114.0	105.6	97.1
77.5°	12.7	12.7	21.1	29.6	38.0	46.5	63.3	76.0	80.2	76.0	63.3
80°	4.2	4.2	8.4	21.1	38.0	46.5	63.3	67.6	71.8	63.3	50.7
82.5°	4.2	4.2	8.4	21.1	29.6	38.0	50.7	59.1	63.3	54.9	50.7
85°	0.0	4.2	8.4	16.9	25.3	33.8	33.8	25.3	21.1	12.7	16.9
87.5°	0.0	0.0	4.2	4.2	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)