

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: P531471

Luminaire Tested: **GALN-SA6D-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531471  
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-SA6D-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA 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: 25646 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

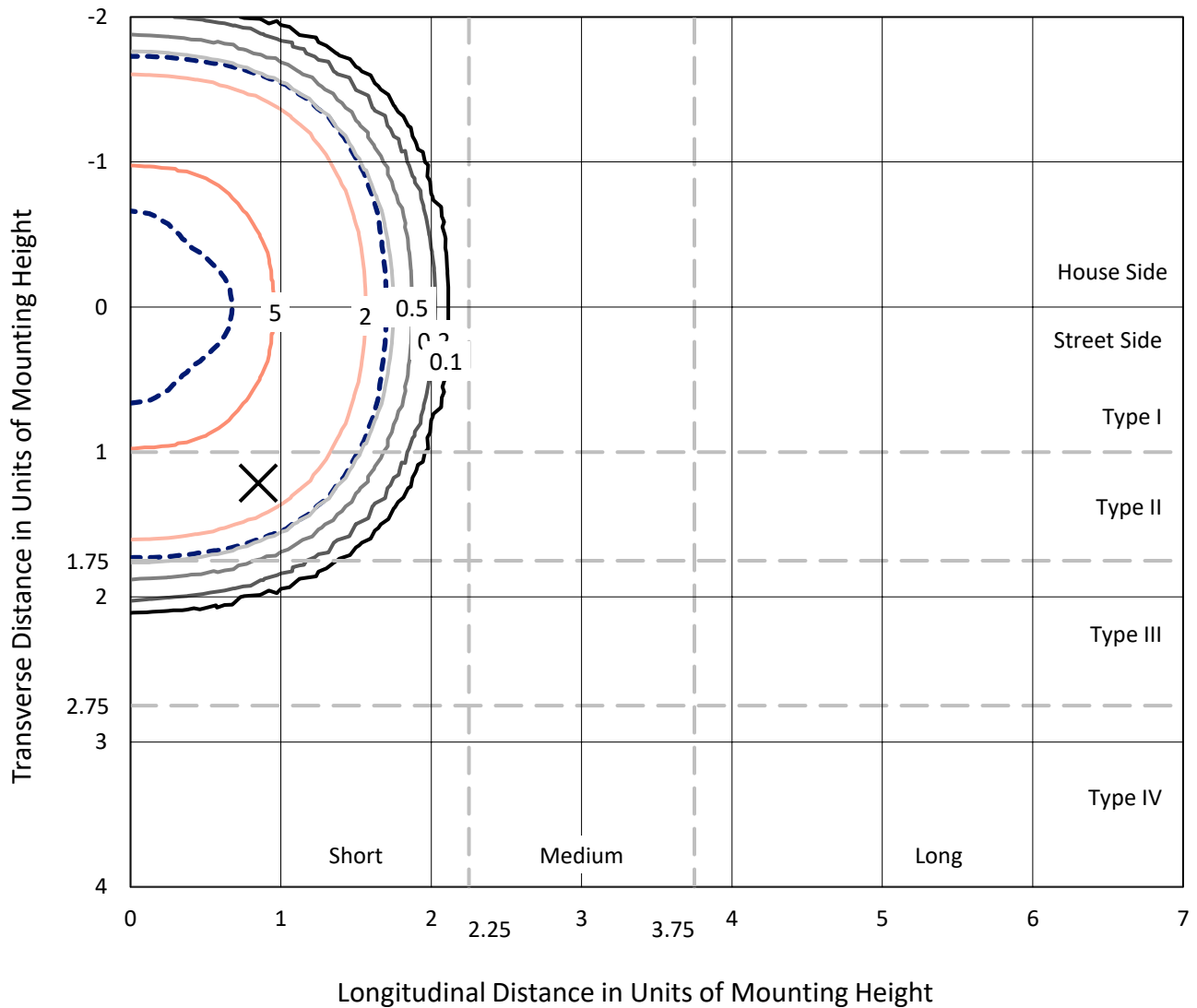
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

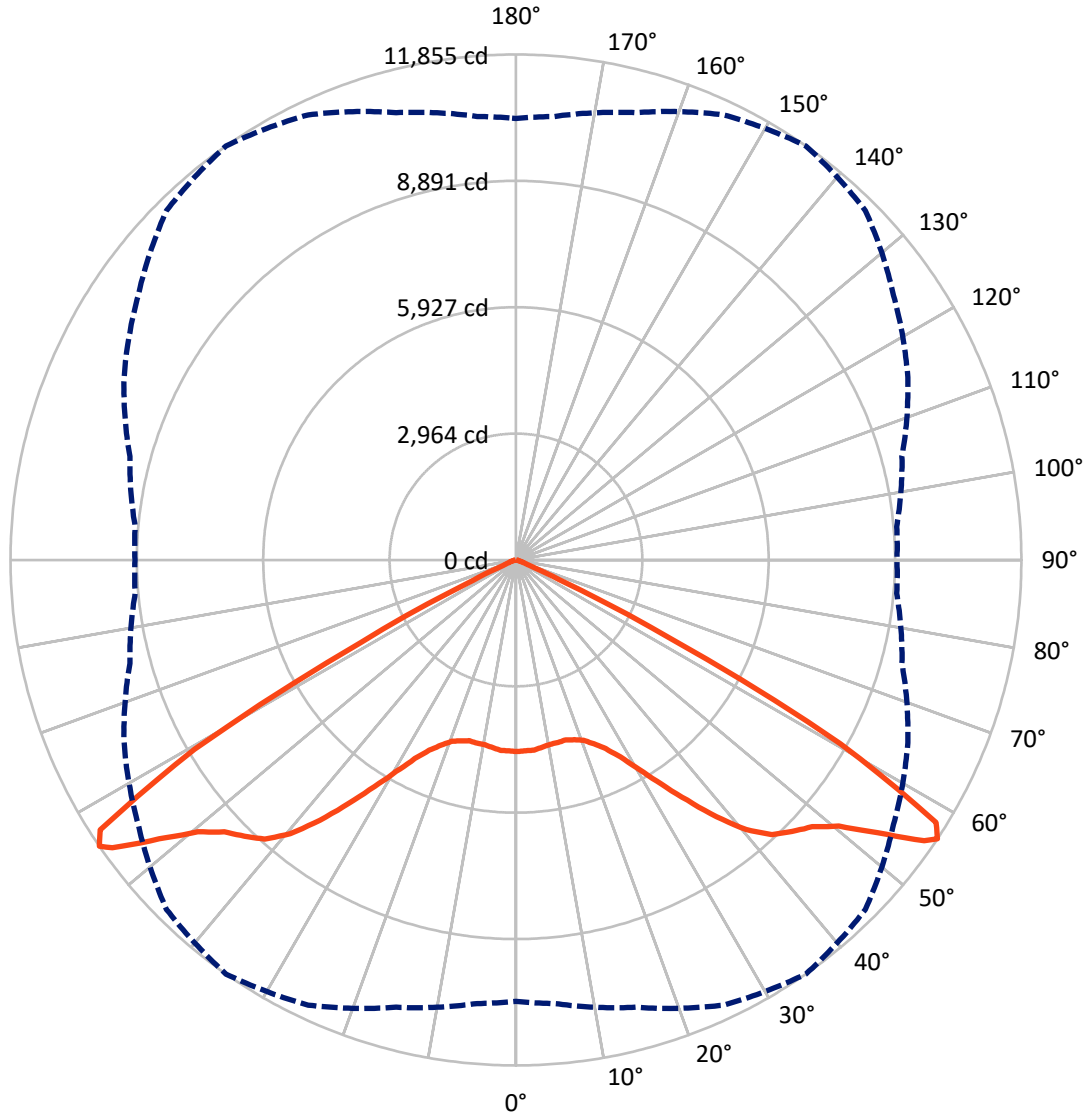
✕ Max cd  
 - - - 1/2 Max cd



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 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12823.0	0.0	12823.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12823.0	0.0	12823.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25646.0	0.0	25646.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.3	1.6
10°-20°	1233.0	4.8
20°-30°	2232.8	8.7
30°-40°	4140.5	16.1
40°-50°	6796.4	26.5
50°-60°	8755.7	34.1
60°-70°	1929.7	7.5
70°-80°	112.0	0.4
80°-90°	23.6	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°	25646.0	100.0
0°-180°	25646.0	100.0

**Coefficient of Utilization**



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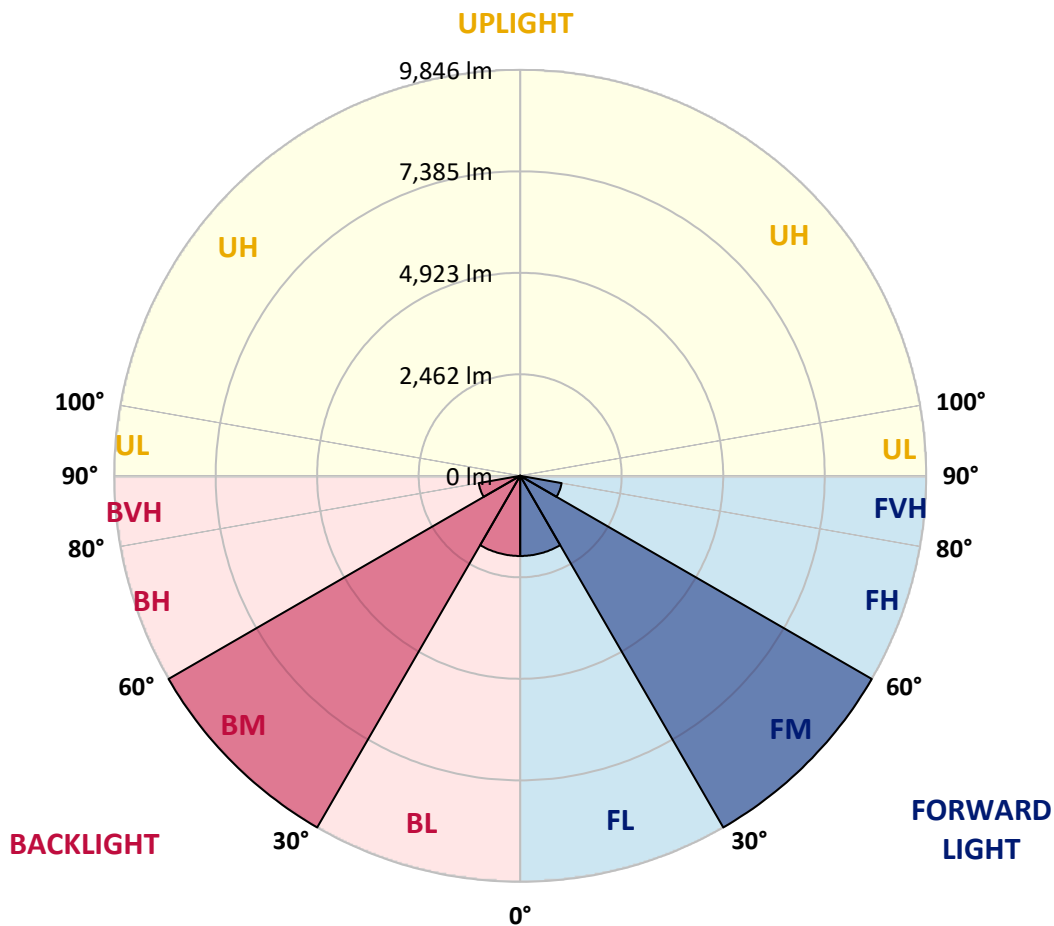
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1944.1	7.6			
FM (30°-60°)	9846.3	38.4			
FH (60°-80°)	1020.8	4.0			G1/1800
FVH (80°-90°)	11.8	0.0			G1/100
BL (0°-30°)	1944.1	7.6	B3/2500		
BM (30°-60°)	9846.3	38.4	B5		
BH (60°-80°)	1020.8	4.0	B3/2500		G1/1800
BVH (80°-90°)	11.8	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°	4493.7	4493.7	4493.7	4493.7	4493.7	4493.7	4493.7	4493.7	4493.7	4493.7	4493.7
2.5°	4503.0	4503.0	4507.7	4512.3	4479.8	4465.8	4470.5	4461.2	4456.6	4470.5	4470.5
5°	4489.1	4489.1	4475.1	4479.8	4479.8	4438.0	4438.0	4447.3	4447.3	4419.4	4410.1
7.5°	4451.9	4442.6	4424.0	4447.3	4433.3	4433.3	4400.8	4377.6	4368.3	4386.8	4368.3
10°	4372.9	4377.6	4396.1	4405.4	4396.1	4424.0	4368.3	4335.7	4303.2	4289.3	4289.3
12.5°	4335.7	4363.6	4335.7	4359.0	4391.5	4368.3	4335.7	4312.5	4266.0	4247.4	4247.4
15°	4331.1	4349.7	4359.0	4391.5	4377.6	4386.8	4321.8	4293.9	4224.2	4191.7	4177.7
17.5°	4326.4	4349.7	4363.6	4424.0	4433.3	4438.0	4386.8	4303.2	4242.8	4210.3	4177.7
20°	4377.6	4386.8	4414.7	4475.1	4512.3	4577.4	4484.4	4396.1	4266.0	4228.8	4214.9
22.5°	4442.6	4489.1	4517.0	4582.0	4679.6	4735.4	4614.6	4503.0	4368.3	4321.8	4266.0
25°	4651.7	4642.4	4688.9	4823.7	4902.7	4944.5	4846.9	4684.3	4507.7	4451.9	4461.2
27.5°	4912.0	4921.3	4963.1	5111.8	5228.0	5293.0	5176.9	4963.1	4791.1	4698.2	4688.9
30°	5251.2	5241.9	5288.4	5488.2	5697.3	5794.9	5590.4	5339.5	5172.2	5051.4	5079.3
32.5°	5609.0	5613.7	5743.8	5925.0	6264.3	6454.8	6124.9	5818.1	5567.2	5483.6	5441.7
35°	6138.8	6162.0	6264.3	6543.1	6919.5	7165.8	6803.3	6436.2	6148.1	5994.7	6013.3
37.5°	6794.0	6770.8	6942.7	7244.8	7639.8	7821.0	7514.3	7096.1	6803.3	6701.1	6766.2
40°	7491.1	7514.3	7602.6	7876.8	8318.3	8439.1	7983.7	7756.0	7500.4	7449.3	7528.3
42.5°	8188.2	8174.2	8239.3	8485.6	8806.2	8722.6	8453.0	8318.3	8137.0	8034.8	8141.7
45°	8699.3	8676.1	8796.9	8964.2	9080.4	8922.4	8801.6	8755.1	8662.2	8550.6	8648.2
47.5°	9196.6	9178.0	9294.2	9340.6	9349.9	9140.8	9164.1	9247.7	9015.3	8783.0	8894.5
50°	9619.5	9586.9	9731.0	9833.2	9810.0	9475.4	9559.1	9475.4	9112.9	8838.8	8796.9
52.5°	10325.8	10339.8	10493.1	10679.0	10623.2	10344.4	10223.6	9842.5	9377.8	9131.5	8987.5
55°	10771.9	10702.2	10967.1	11557.3	11622.4	11334.2	10799.8	10237.5	9540.5	9238.4	9201.2
56°	10353.7	10442.0	10860.2	11520.1	11854.7	11589.8	10813.8	10139.9	9373.2	8964.2	8936.3
57.5°	9289.5	9243.1	9810.0	10711.5	11622.4	11510.8	10432.7	9442.9	8550.6	8090.6	8034.8
60°	5781.0	5915.7	6413.0	7528.3	8745.8	8801.6	7732.7	6882.3	5841.4	5432.4	5530.0
62.5°	2263.1	2147.0	2458.3	3290.1	4126.6	4312.5	3908.2	3248.3	2667.4	2263.1	2235.2
65°	525.1	511.2	576.2	794.7	1110.7	1287.2	1222.2	878.3	645.9	613.4	566.9
67.5°	297.4	297.4	283.5	283.5	311.4	329.9	316.0	311.4	325.3	339.2	334.6
70°	209.1	204.5	195.2	199.8	190.5	190.5	204.5	227.7	246.3	246.3	250.9
72.5°	125.5	125.5	125.5	139.4	139.4	139.4	153.4	171.9	176.6	171.9	167.3
75°	55.8	55.8	65.1	79.0	88.3	92.9	106.9	116.2	125.5	116.2	106.9
77.5°	13.9	13.9	23.2	32.5	41.8	51.1	69.7	83.6	88.3	83.6	69.7
80°	4.6	4.6	9.3	23.2	41.8	51.1	69.7	74.4	79.0	69.7	55.8
82.5°	4.6	4.6	9.3	23.2	32.5	41.8	55.8	65.1	69.7	60.4	55.8
85°	0.0	4.6	9.3	18.6	27.9	37.2	37.2	27.9	23.2	13.9	18.6
87.5°	0.0	0.0	4.6	4.6	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)