

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: P530543

Luminaire Tested: **GALN-SA5D-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530543  
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-SA5D-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 1200mA 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: 23322 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

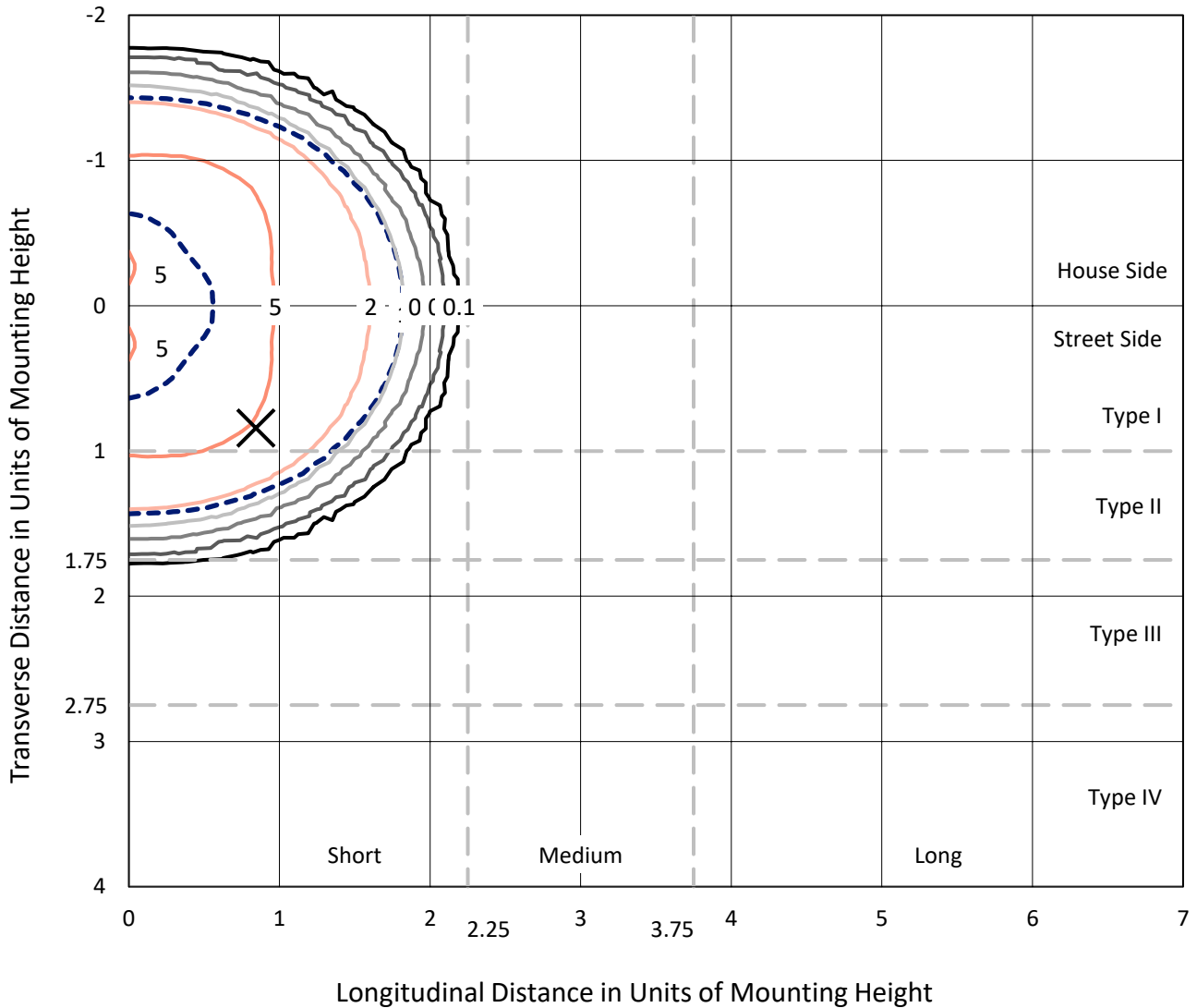
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

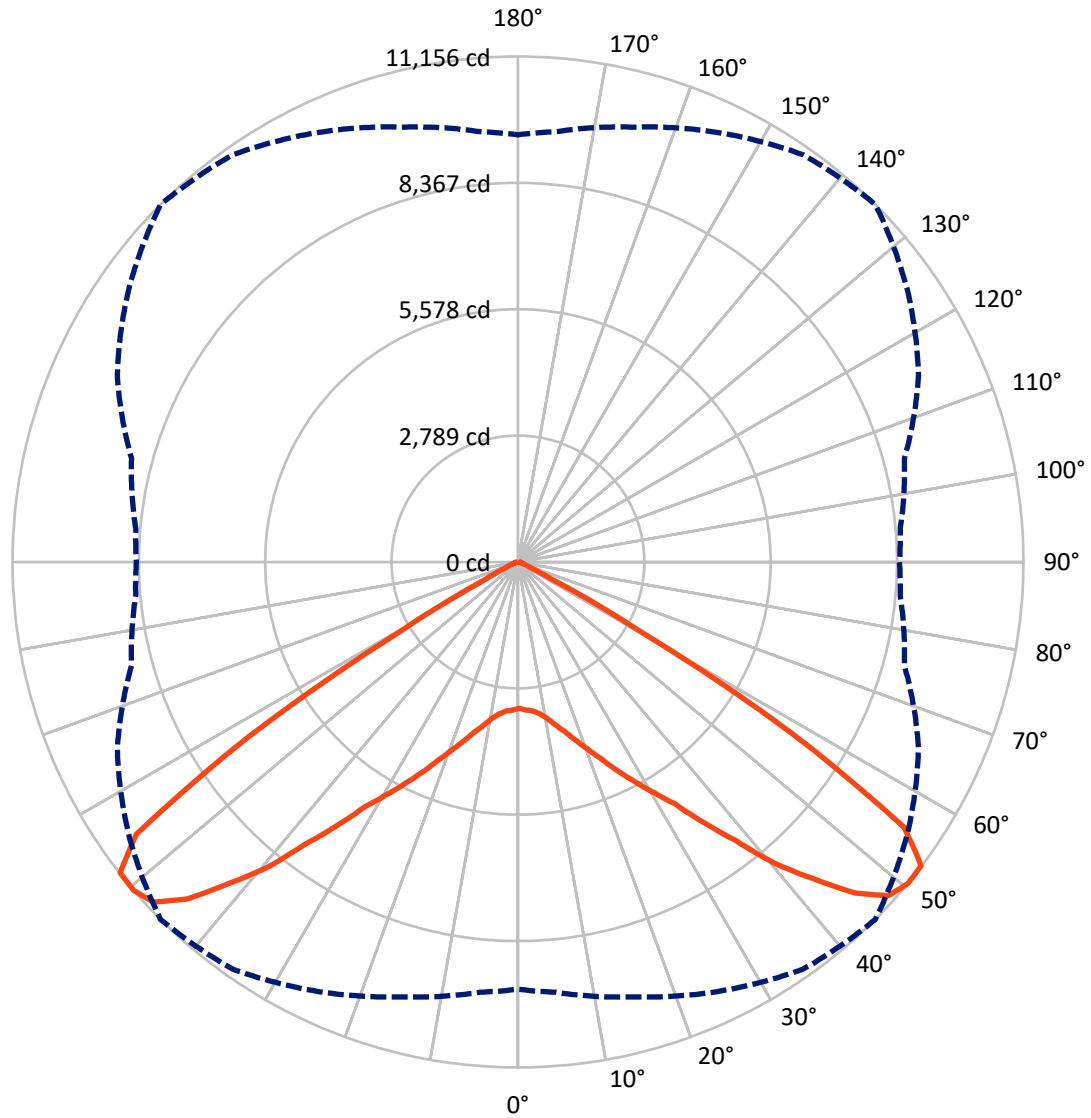
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	11661.0	0.0	11661.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11661.0	0.0	11661.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23322.0	0.0	23322.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.7	1.4
10°-20°	1108.7	4.8
20°-30°	2264.3	9.7
30°-40°	4318.0	18.5
40°-50°	7276.5	31.2
50°-60°	6939.5	29.8
60°-70°	968.7	4.2
70°-80°	92.6	0.4
80°-90°	32.0	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°	23322.0	100.0
0°-180°	23322.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P530543

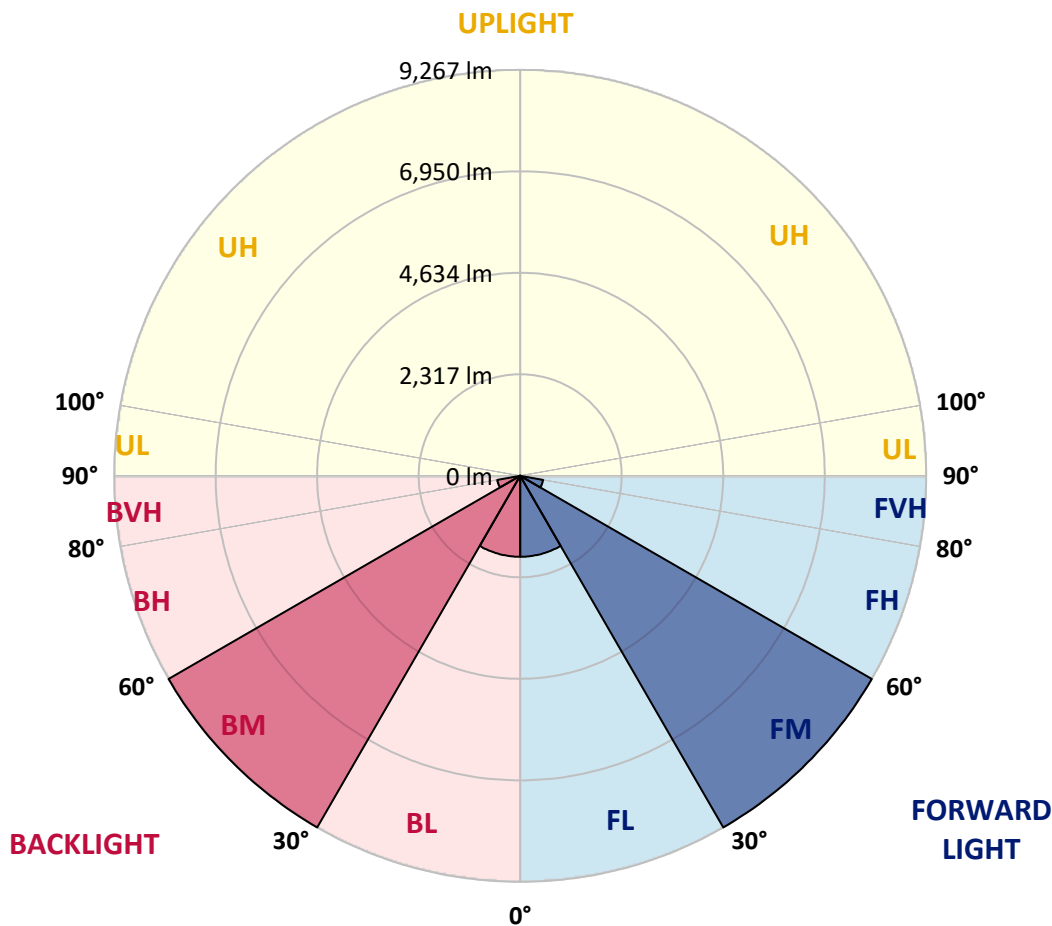
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1847.3	7.9			
FM (30°-60°)	9267.0	39.7			
FH (60°-80°)	530.7	2.3			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	1847.3	7.9	B3/2500		
BM (30°-60°)	9267.0	39.7	B5		
BH (60°-80°)	530.7	2.3	B2/1000		G0/660
BVH (80°-90°)	16.0	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°	3233.3	3233.3	3233.3	3233.3	3233.3	3233.3	3233.3	3233.3	3233.3	3233.3	3233.3
2.5°	3221.6	3221.6	3217.6	3249.0	3233.3	3268.7	3264.7	3276.5	3288.3	3284.4	3315.7
5°	3194.1	3190.2	3190.2	3225.5	3260.8	3300.0	3335.4	3358.9	3398.1	3398.1	3437.4
7.5°	3221.6	3201.9	3229.4	3245.1	3311.8	3378.5	3437.4	3484.5	3574.7	3606.1	3594.3
10°	3229.4	3253.0	3272.6	3319.7	3402.1	3504.1	3555.1	3672.8	3774.8	3845.5	3861.2
12.5°	3280.4	3315.7	3370.7	3484.5	3559.0	3692.4	3763.1	3876.9	4018.1	4096.6	4151.5
15°	3378.5	3390.3	3460.9	3606.1	3767.0	3888.6	3998.5	4080.9	4218.3	4308.5	4312.4
17.5°	3504.1	3555.1	3653.2	3790.5	3959.3	4139.8	4226.1	4316.4	4367.4	4489.0	4516.5
20°	3755.2	3763.1	3857.2	4037.7	4249.6	4414.4	4477.2	4524.3	4504.7	4630.3	4653.8
22.5°	3990.7	3998.5	4116.2	4359.5	4587.1	4728.4	4755.8	4728.4	4669.5	4759.8	4767.6
25°	4230.0	4300.7	4387.0	4630.3	4912.8	5101.1	5105.1	5030.5	4908.9	4924.6	4963.8
27.5°	4602.8	4653.8	4744.1	4967.7	5277.7	5489.6	5454.3	5364.0	5207.1	5218.9	5207.1
30°	5038.4	5085.4	5160.0	5446.4	5674.0	5905.6	5956.6	5870.2	5634.8	5583.8	5642.6
32.5°	5564.2	5630.9	5768.2	6031.1	6223.4	6364.7	6400.0	6368.6	6148.8	6129.2	6168.5
35°	6203.8	6294.0	6419.6	6651.1	6808.1	7063.1	7063.1	6957.2	6757.1	6780.6	6776.7
37.5°	6878.7	7012.1	7208.3	7443.7	7655.6	7793.0	7749.8	7659.6	7459.4	7408.4	7459.4
40°	7726.3	7793.0	8040.2	8346.3	8605.2	8762.2	8577.8	8381.6	7902.8	7977.4	8114.7
42.5°	8499.3	8605.2	8793.6	9131.0	9425.3	9554.8	9335.1	8946.6	8369.8	8310.9	8413.0
45°	9158.5	9272.3	9519.5	10002.2	10312.2	10425.9	9939.4	9311.5	8652.3	8503.2	8546.4
47.5°	9598.0	9656.9	10002.2	10461.3	10743.8	11002.8	10304.3	9562.7	8785.7	8503.2	8487.5
50°	9429.3	9531.3	9935.5	10457.3	10971.4	11155.8	10488.7	9755.0	8828.9	8467.9	8420.8
52.5°	8373.7	8550.3	9001.6	9703.9	10480.9	11140.1	10743.8	9692.2	8813.2	8503.2	8573.8
55°	5827.1	5831.0	6380.4	7416.3	8789.7	10343.5	10371.0	9762.8	8915.2	8723.0	8726.9
57.5°	2342.6	2460.3	2880.2	3920.0	5187.5	7102.4	8444.4	9056.5	8927.0	8879.9	9001.6
60°	592.5	596.4	725.9	1106.6	1824.6	3045.0	4422.3	5984.0	6890.5	7200.5	7243.6
62.5°	302.1	306.1	337.5	392.4	498.3	816.2	1451.9	2303.4	3276.5	3770.9	3900.4
65°	247.2	247.2	266.8	294.3	298.2	313.9	376.7	537.6	780.9	886.8	898.6
67.5°	188.3	188.3	204.0	219.7	227.6	223.7	215.8	223.7	270.8	259.0	251.1
70°	117.7	121.6	129.5	145.2	153.0	157.0	160.9	168.7	192.3	200.1	192.3
72.5°	70.6	70.6	74.6	86.3	98.1	105.9	117.7	125.6	137.3	157.0	153.0
75°	31.4	31.4	39.2	51.0	62.8	74.6	86.3	98.1	105.9	117.7	121.6
77.5°	7.8	11.8	19.6	35.3	47.1	62.8	78.5	90.3	98.1	98.1	94.2
80°	3.9	3.9	15.7	27.5	51.0	66.7	86.3	94.2	105.9	98.1	86.3
82.5°	3.9	3.9	15.7	27.5	47.1	66.7	90.3	102.0	109.9	98.1	82.4
85°	0.0	3.9	11.8	23.5	39.2	47.1	39.2	27.5	15.7	15.7	11.8
87.5°	0.0	0.0	3.9	3.9	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)