

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: P533577

Luminaire Tested: **GALN-SA9A-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533577  
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-SA9A-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 615mA 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: 23178 lumens  
Efficiency: N/A  
Efficacy: 84.6 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

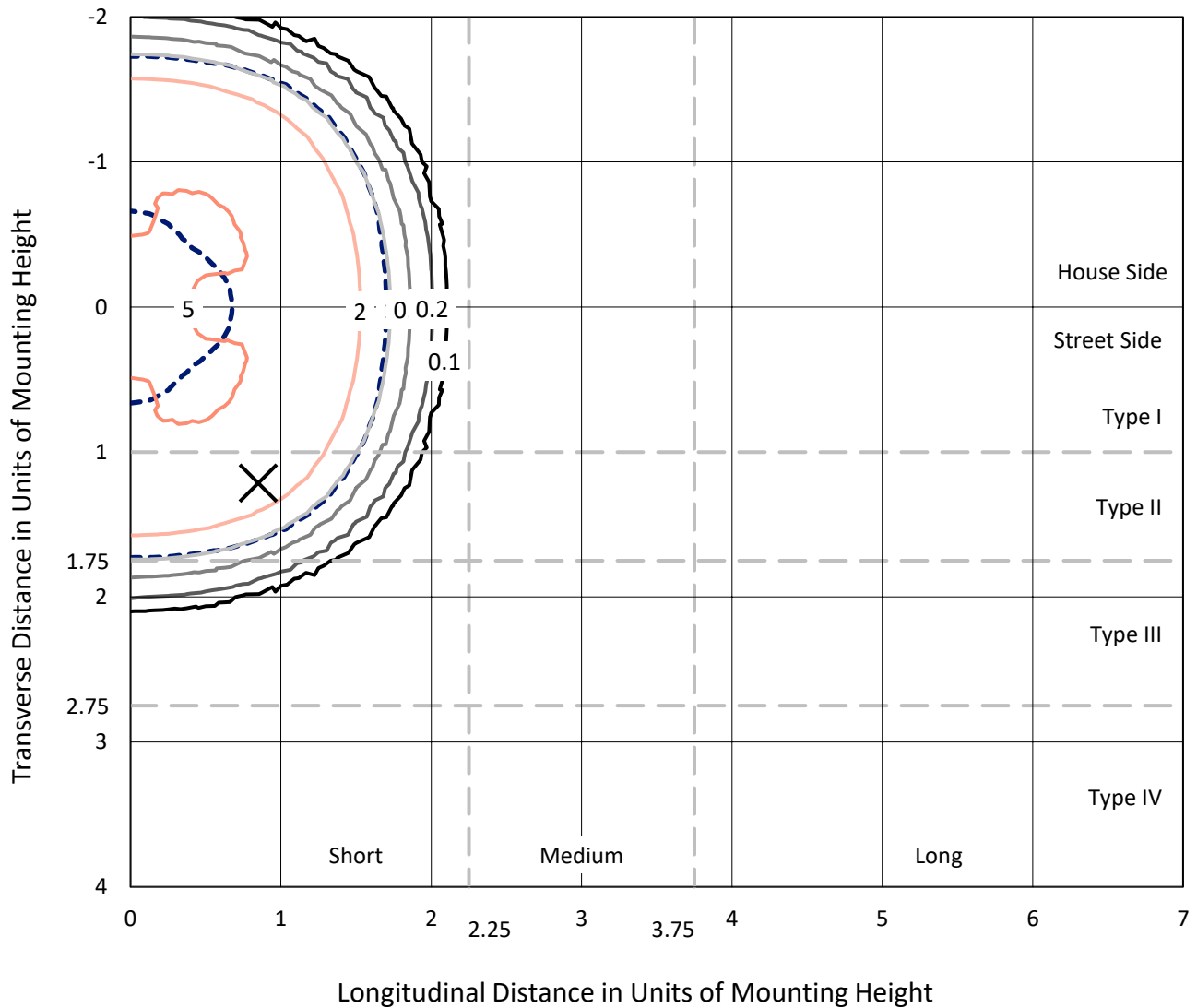
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

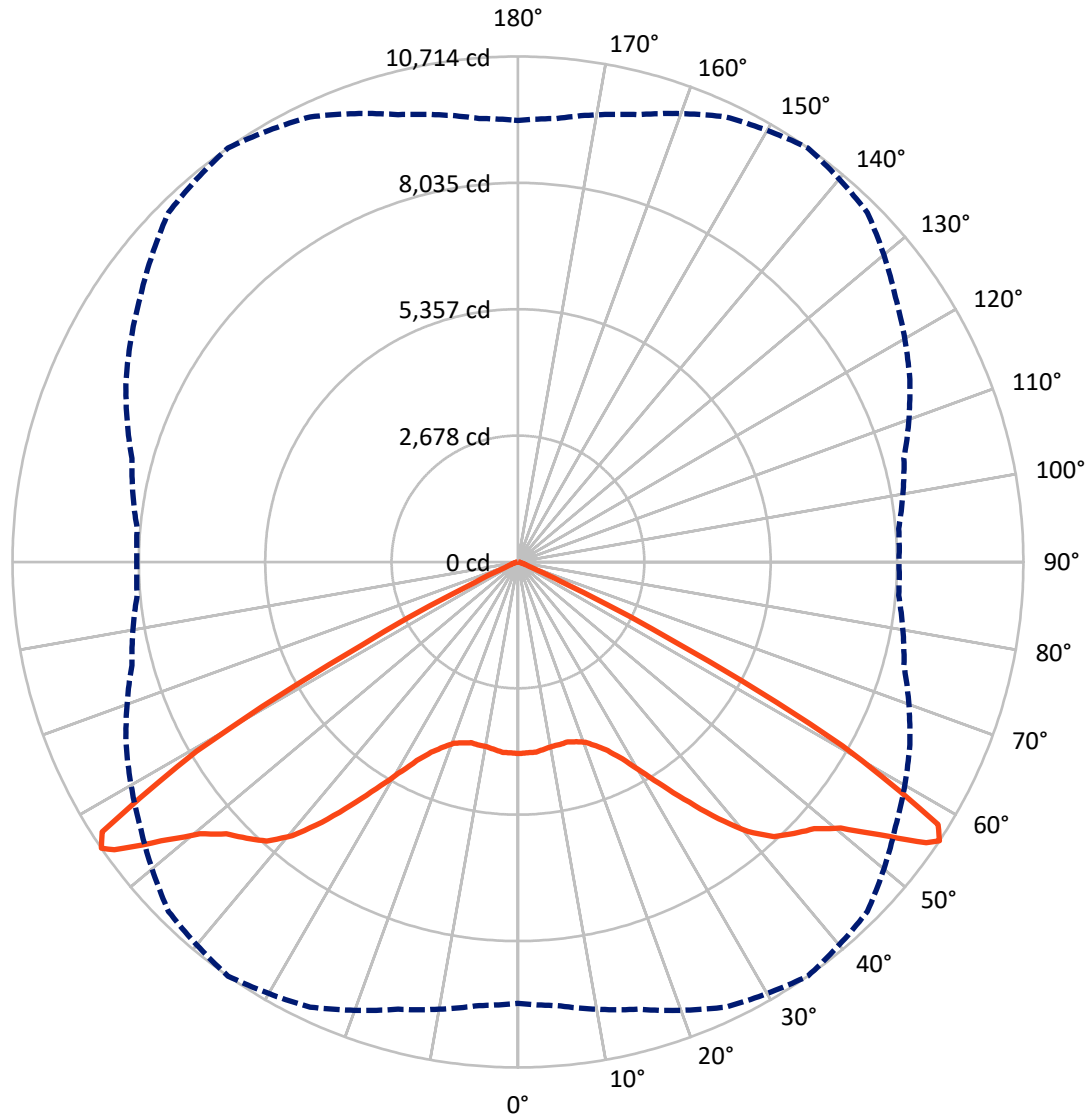
✕ Max cd  
 - - - 1/2 Max cd



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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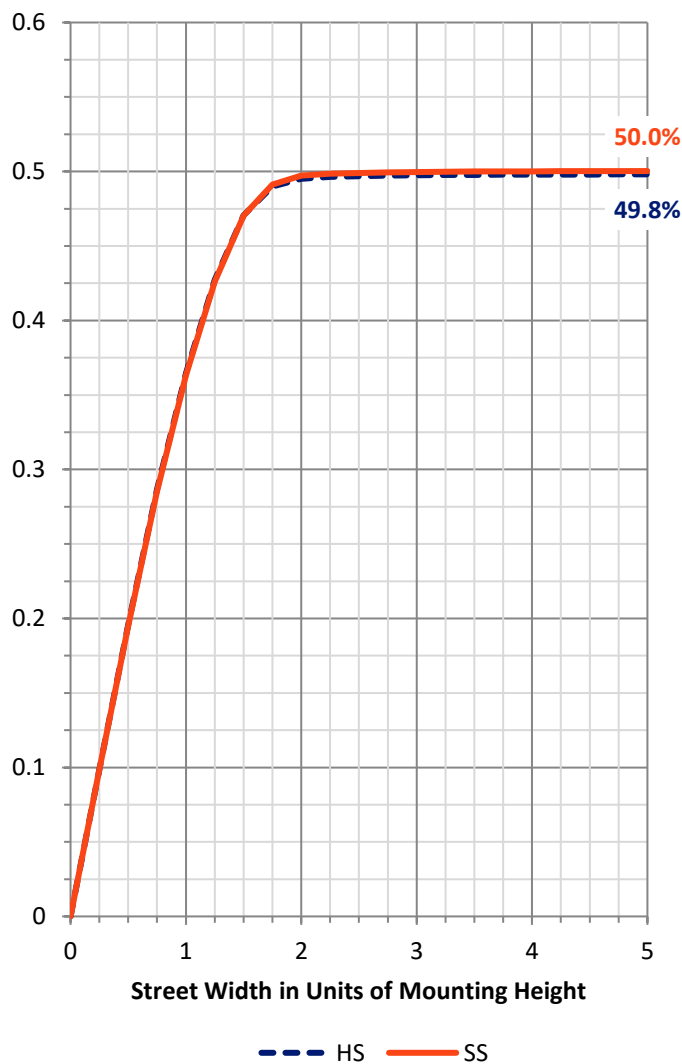
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11589.0	0.0	11589.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11589.0	0.0	11589.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23178.0	0.0	23178.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.7	1.6
10°-20°	1114.4	4.8
20°-30°	2018.0	8.7
30°-40°	3742.0	16.1
40°-50°	6142.3	26.5
50°-60°	7913.1	34.1
60°-70°	1744.0	7.5
70°-80°	101.2	0.4
80°-90°	21.3	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°	23178.0	100.0
0°-180°	23178.0	100.0

**Coefficient of Utilization**



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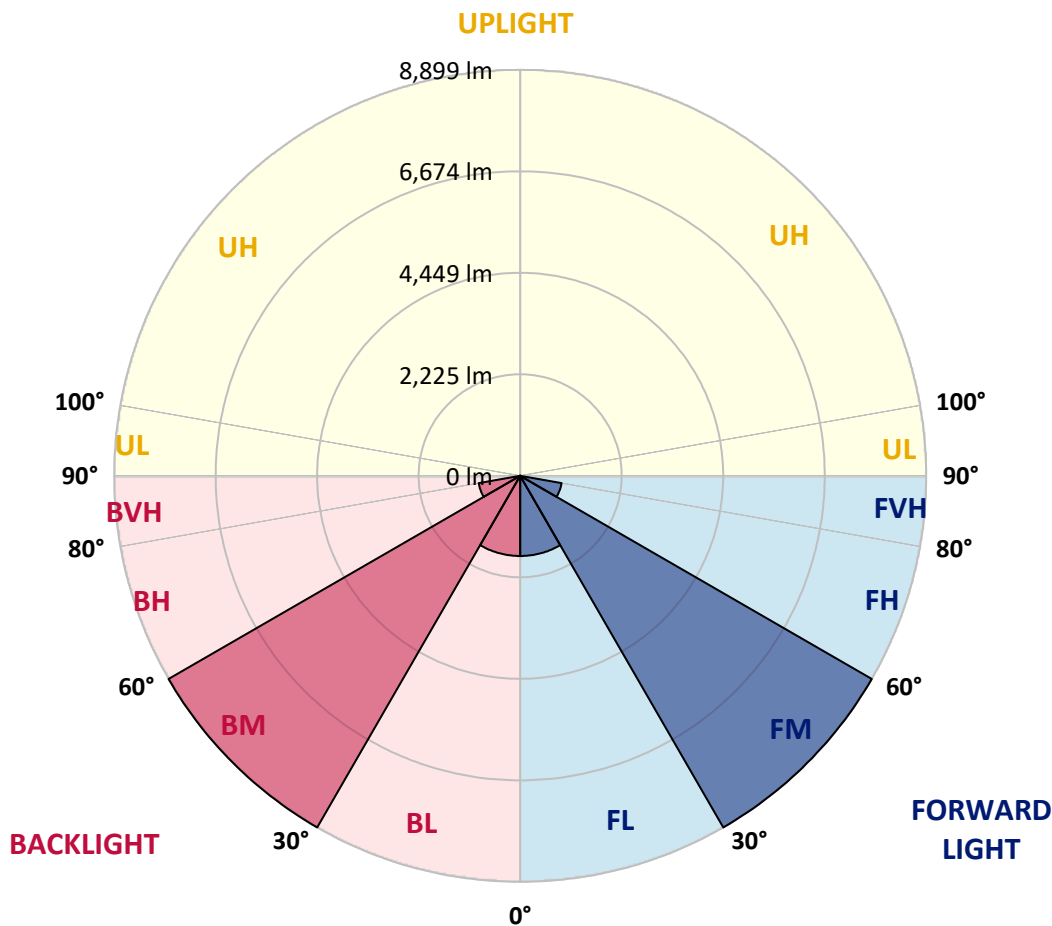
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1757.0	7.6			
FM (30°-60°)	8898.8	38.4			
FH (60°-80°)	922.6	4.0			G1/1800
FVH (80°-90°)	10.6	0.0			G1/100
BL (0°-30°)	1757.0	7.6	B3/2500		
BM (30°-60°)	8898.8	38.4	B5		
BH (60°-80°)	922.6	4.0	B2/1000		G1/1800
BVH (80°-90°)	10.6	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°	4061.3	4061.3	4061.3	4061.3	4061.3	4061.3	4061.3	4061.3	4061.3	4061.3	4061.3
2.5°	4069.7	4069.7	4073.9	4078.1	4048.7	4036.1	4040.3	4031.9	4027.7	4040.3	4040.3
5°	4057.1	4057.1	4044.5	4048.7	4048.7	4010.9	4010.9	4019.3	4019.3	3994.1	3985.7
7.5°	4023.5	4015.1	3998.3	4019.3	4006.7	4006.7	3977.3	3956.3	3947.9	3964.7	3947.9
10°	3952.1	3956.3	3973.1	3981.5	3973.1	3998.3	3947.9	3918.5	3889.1	3876.5	3876.5
12.5°	3918.5	3943.7	3918.5	3939.5	3968.9	3947.9	3918.5	3897.5	3855.5	3838.7	3838.7
15°	3914.3	3931.1	3939.5	3968.9	3956.3	3964.7	3905.9	3880.7	3817.7	3788.3	3775.7
17.5°	3910.1	3931.1	3943.7	3998.3	4006.7	4010.9	3964.7	3889.1	3834.5	3805.1	3775.7
20°	3956.3	3964.7	3989.9	4044.5	4078.1	4136.9	4052.9	3973.1	3855.5	3821.9	3809.3
22.5°	4015.1	4057.1	4082.3	4141.1	4229.3	4279.7	4170.5	4069.7	3947.9	3905.9	3855.5
25°	4204.1	4195.7	4237.7	4359.5	4430.9	4468.7	4380.5	4233.5	4073.9	4023.5	4031.9
27.5°	4439.3	4447.7	4485.5	4619.9	4724.9	4783.7	4678.7	4485.5	4330.1	4246.1	4237.7
30°	4745.9	4737.5	4779.5	4960.1	5149.1	5237.3	5052.5	4825.7	4674.5	4565.3	4590.5
32.5°	5069.3	5073.5	5191.1	5354.8	5661.4	5833.6	5535.4	5258.2	5031.5	4955.9	4918.1
35°	5548.0	5569.0	5661.4	5913.4	6253.6	6476.2	6148.6	5816.8	5556.4	5417.8	5434.6
37.5°	6140.2	6119.2	6274.6	6547.6	6904.6	7068.4	6791.2	6413.2	6148.6	6056.2	6115.0
40°	6770.2	6791.2	6871.0	7118.8	7517.8	7627.0	7215.4	7009.6	6778.6	6732.4	6803.8
42.5°	7400.2	7387.6	7446.4	7669.0	7958.8	7883.2	7639.6	7517.8	7354.0	7261.6	7358.2
45°	7862.2	7841.2	7950.4	8101.6	8206.6	8063.8	7954.6	7912.6	7828.6	7727.8	7816.0
47.5°	8311.6	8294.8	8399.8	8441.8	8450.2	8261.2	8282.2	8357.8	8147.8	7937.8	8038.6
50°	8693.8	8664.4	8794.5	8886.9	8865.9	8563.6	8639.2	8563.6	8236.0	7988.2	7950.4
52.5°	9332.1	9344.7	9483.3	9651.3	9600.9	9348.9	9239.7	8895.3	8475.4	8252.8	8122.6
55°	9735.3	9672.3	9911.7	10445.1	10503.9	10243.5	9760.5	9252.3	8622.4	8349.4	8315.8
56°	9357.3	9437.1	9815.1	10411.5	10713.9	10474.5	9773.1	9164.1	8471.2	8101.6	8076.4
57.5°	8395.6	8353.6	8865.9	9680.7	10503.9	10403.1	9428.7	8534.2	7727.8	7312.0	7261.6
60°	5224.7	5346.4	5795.8	6803.8	7904.2	7954.6	6988.6	6220.0	5279.2	4909.7	4997.9
62.5°	2045.3	1940.3	2221.7	2973.5	3729.5	3897.5	3532.1	2935.7	2410.7	2045.3	2020.1
65°	474.6	462.0	520.8	718.2	1003.8	1163.4	1104.6	793.8	583.8	554.4	512.4
67.5°	268.8	268.8	256.2	256.2	281.4	298.2	285.6	281.4	294.0	306.6	302.4
70°	189.0	184.8	176.4	180.6	172.2	172.2	184.8	205.8	222.6	222.6	226.8
72.5°	113.4	113.4	113.4	126.0	126.0	126.0	138.6	155.4	159.6	155.4	151.2
75°	50.4	50.4	58.8	71.4	79.8	84.0	96.6	105.0	113.4	105.0	96.6
77.5°	12.6	12.6	21.0	29.4	37.8	46.2	63.0	75.6	79.8	75.6	63.0
80°	4.2	4.2	8.4	21.0	37.8	46.2	63.0	67.2	71.4	63.0	50.4
82.5°	4.2	4.2	8.4	21.0	29.4	37.8	50.4	58.8	63.0	54.6	50.4
85°	0.0	4.2	8.4	16.8	25.2	33.6	33.6	25.2	21.0	12.6	16.8
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)