

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: P647046

Luminaire Tested: **GALN-SA7C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647046  
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-SA7C-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 1050mA 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: 24778 lumens  
Efficiency: N/A  
Efficacy: 65.7 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

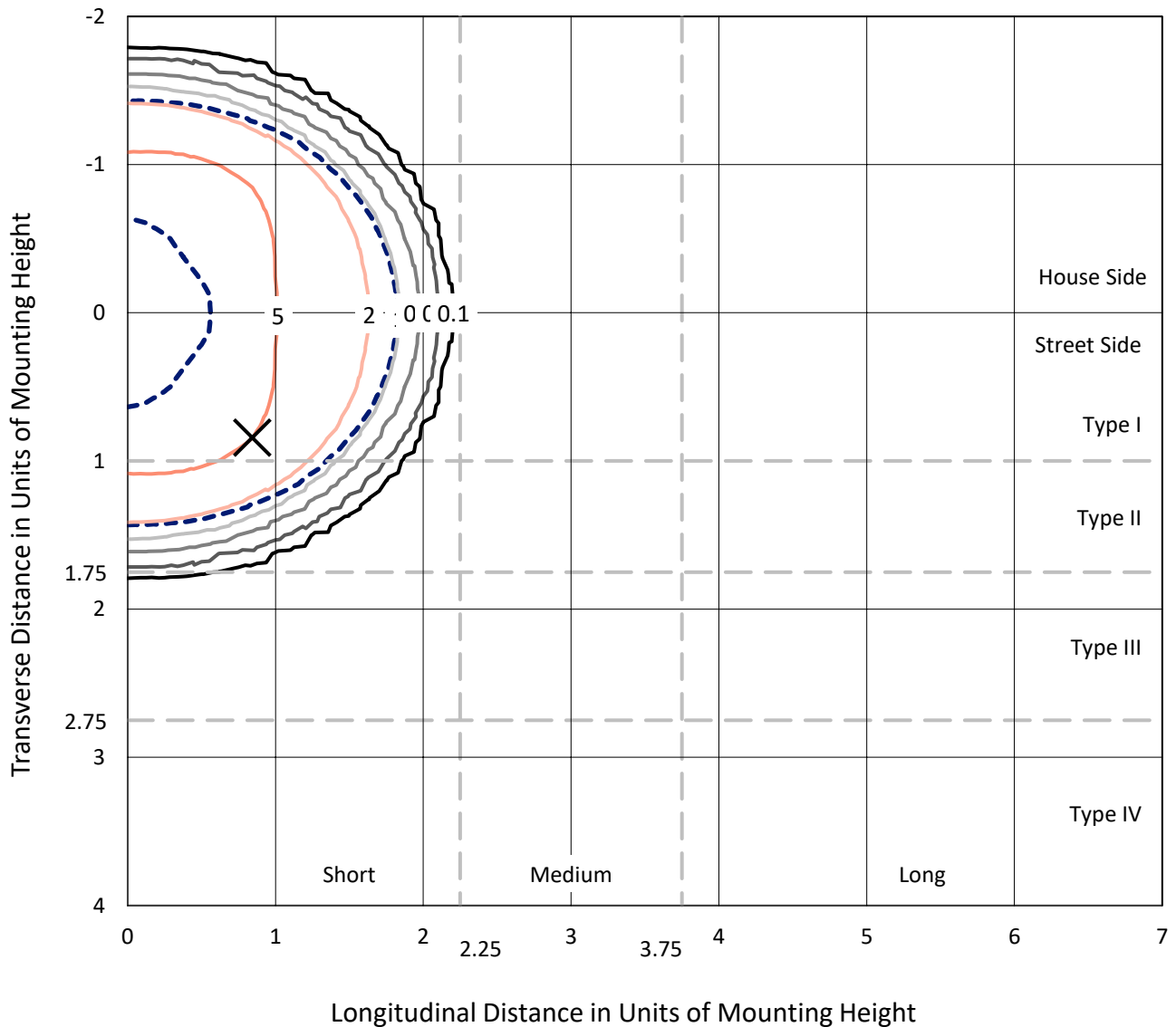
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

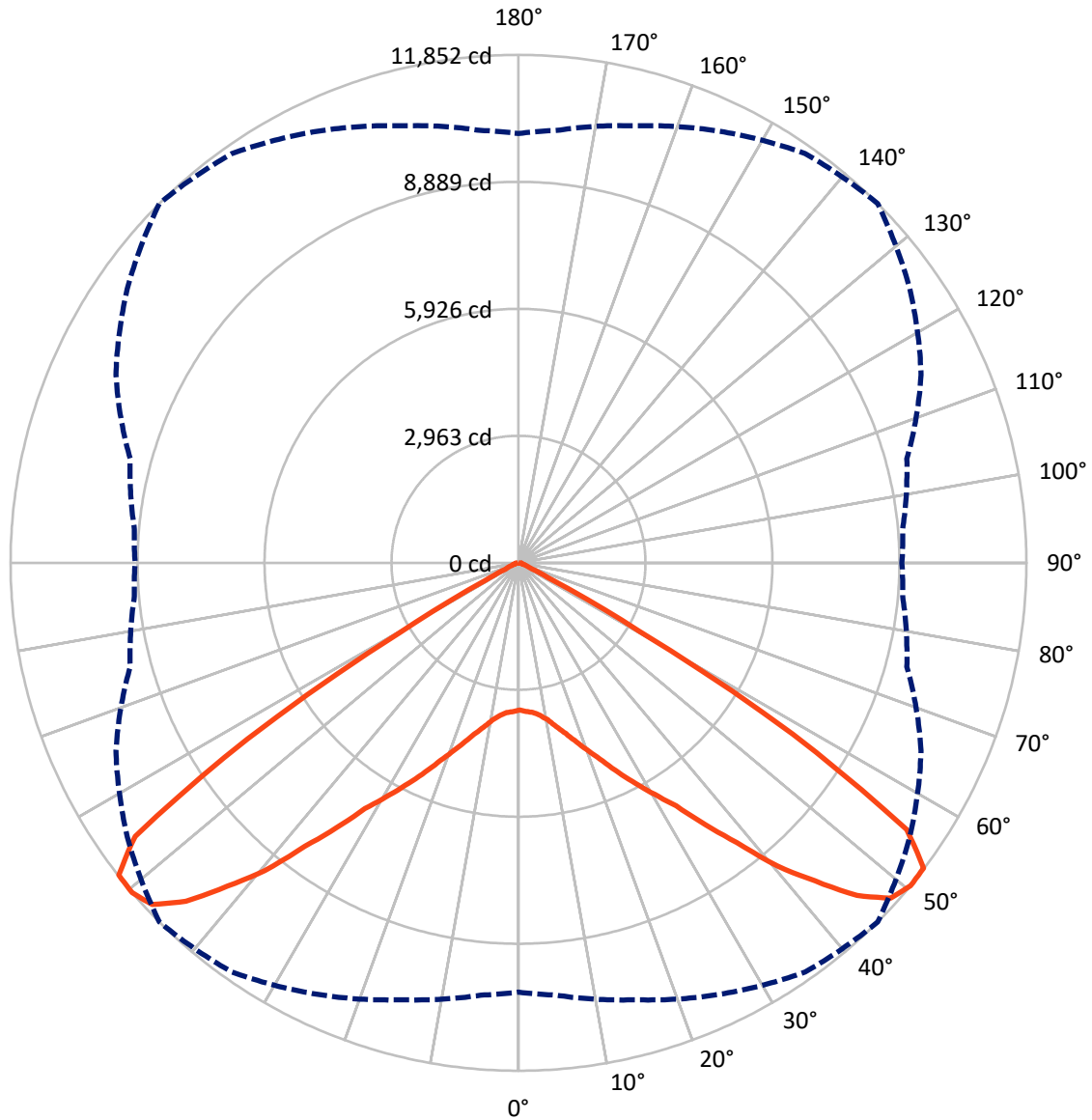
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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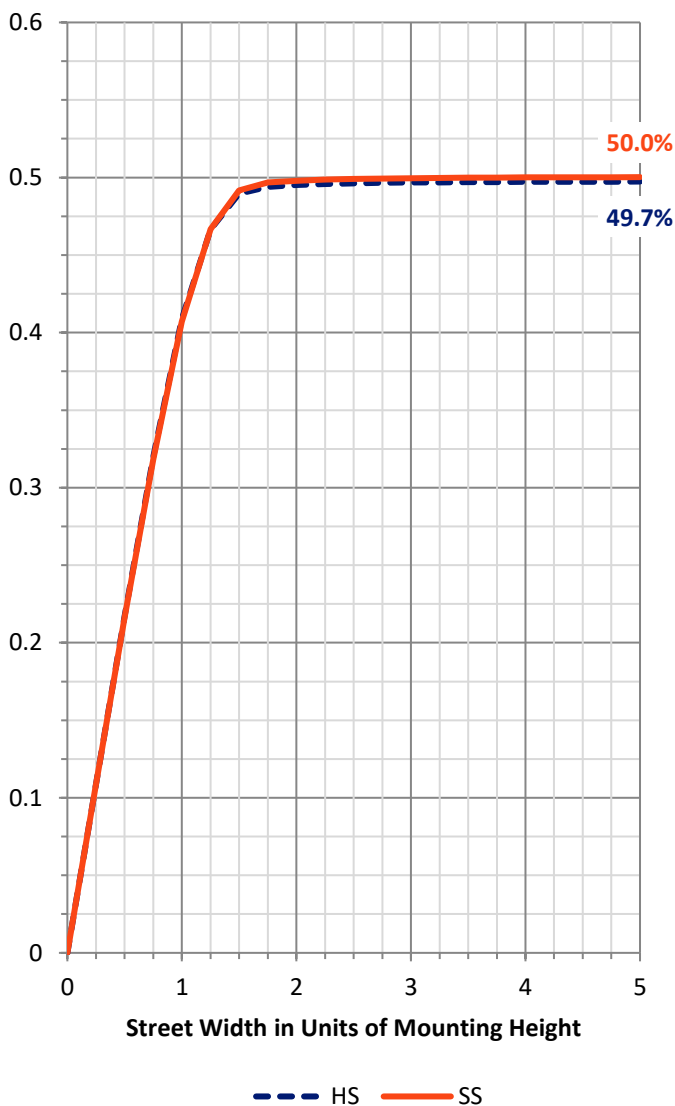
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12389.0	0.0	12389.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12389.0	0.0	12389.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24778.0	0.0	24778.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.7	1.4
10°-20°	1177.9	4.8
20°-30°	2405.7	9.7
30°-40°	4587.6	18.5
40°-50°	7730.8	31.2
50°-60°	7372.7	29.8
60°-70°	1029.2	4.2
70°-80°	98.4	0.4
80°-90°	34.0	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°	24778.0	100.0
0°-180°	24778.0	100.0

**Coefficient of Utilization**

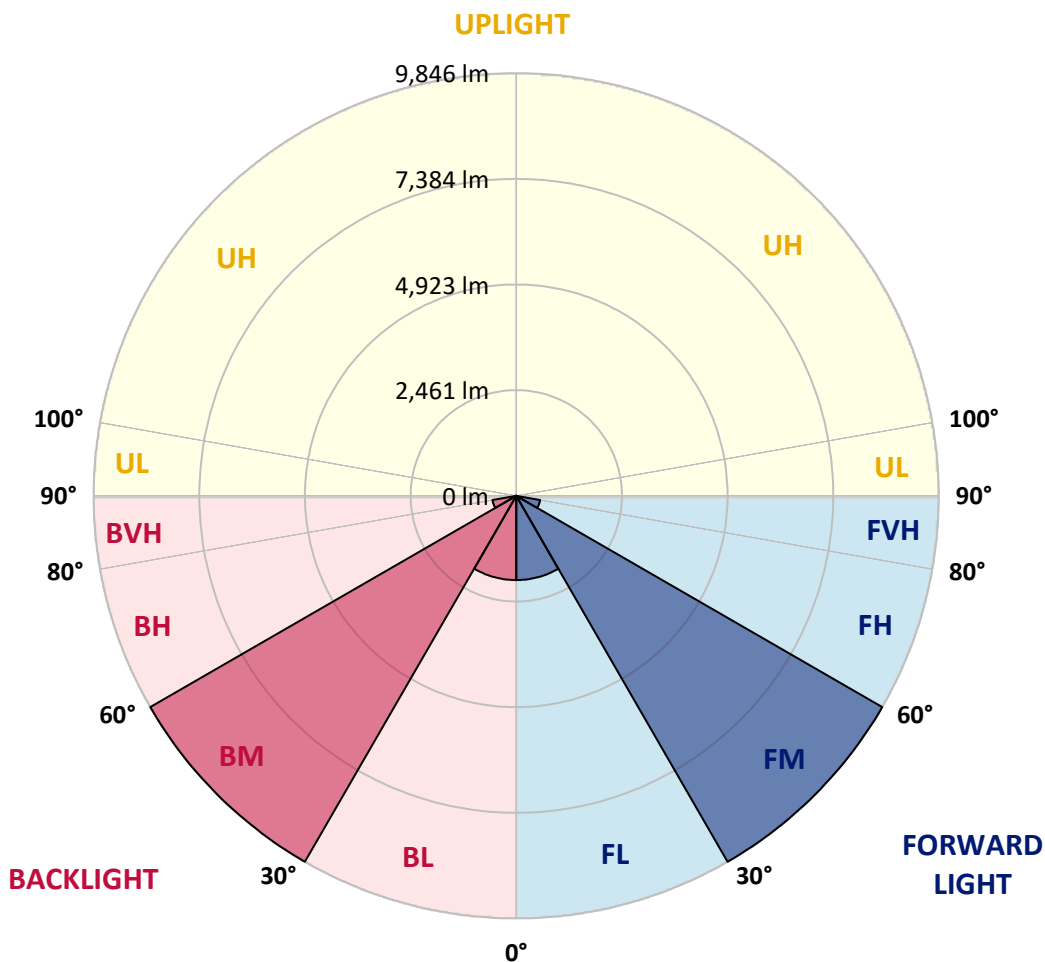


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1962.6	7.9			
FM (30°-60°)	9845.6	39.7			
FH (60°-80°)	563.8	2.3			G0/660
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1962.6	7.9	B3/2500		
BM (30°-60°)	9845.6	39.7	B5		
BH (60°-80°)	563.8	2.3	B2/1000		G0/660
BVH (80°-90°)	17.0	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°	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2
2.5°	3422.7	3422.7	3418.5	3451.9	3435.2	3472.7	3468.5	3481.1	3493.6	3489.4	3522.7
5°	3393.5	3389.4	3389.4	3426.9	3464.4	3506.0	3543.6	3568.6	3610.3	3610.3	3652.0
7.5°	3422.7	3401.8	3431.0	3447.7	3518.6	3589.4	3652.0	3702.0	3797.9	3831.2	3818.8
10°	3431.0	3456.1	3476.9	3526.9	3614.5	3722.9	3777.0	3902.2	4010.5	4085.5	4102.2
12.5°	3485.2	3522.7	3581.1	3702.0	3781.2	3923.0	3998.0	4118.9	4269.0	4352.4	4410.7
15°	3589.4	3602.0	3677.0	3831.2	4002.1	4131.4	4248.2	4335.7	4481.6	4577.5	4581.6
17.5°	3722.9	3777.0	3881.3	4027.2	4206.4	4398.2	4490.0	4585.8	4640.1	4769.3	4798.5
20°	3989.7	3998.0	4098.1	4289.8	4514.9	4690.0	4756.7	4806.8	4785.9	4919.4	4944.3
22.5°	4239.8	4248.2	4373.2	4631.7	4873.5	5023.6	5052.8	5023.6	4961.0	5056.9	5065.2
25°	4494.1	4569.1	4660.9	4919.4	5219.5	5419.6	5423.8	5344.6	5215.3	5232.0	5273.7
27.5°	4890.1	4944.3	5040.2	5277.9	5607.2	5832.3	5794.8	5698.9	5532.2	5544.7	5532.2
30°	5352.9	5402.9	5482.2	5786.4	6028.3	6274.3	6328.4	6236.8	5986.6	5932.4	5995.0
32.5°	5911.6	5982.4	6128.3	6407.7	6612.0	6762.0	6799.5	6766.2	6532.7	6511.9	6553.6
35°	6591.1	6687.0	6820.4	7066.3	7233.1	7504.1	7504.1	7391.5	7178.9	7203.9	7199.8
37.5°	7308.1	7449.9	7658.4	7908.5	8133.6	8279.5	8233.6	8137.8	7925.1	7871.0	7925.1
40°	8208.7	8279.5	8542.1	8867.3	9142.5	9309.2	9113.3	8904.8	8396.3	8475.4	8621.4
42.5°	9029.9	9142.5	9342.6	9701.1	10013.8	10151.4	9917.9	9505.2	8892.4	8829.8	8938.2
45°	9730.3	9851.2	10113.9	10626.6	10956.0	11076.9	10559.9	9892.9	9192.5	9034.1	9079.9
47.5°	10197.2	10259.7	10626.6	11114.4	11414.6	11689.7	10947.6	10159.7	9334.2	9034.1	9017.4
50°	10017.9	10126.3	10555.8	11110.2	11656.4	11852.3	11143.6	10363.9	9380.1	8996.6	8946.6
52.5°	8896.5	9084.1	9563.6	10309.8	11135.2	11835.6	11414.6	10297.2	9363.4	9034.1	9109.1
55°	6190.9	6195.0	6778.7	7879.3	9338.4	10989.3	11018.5	10372.3	9471.8	9267.5	9271.7
57.5°	2488.8	2613.9	3060.0	4164.8	5511.3	7545.8	8971.5	9621.9	9484.3	9434.3	9563.6
60°	629.5	633.7	771.3	1175.7	1938.6	3235.1	4698.4	6357.6	7320.7	7650.0	7695.9
62.5°	321.0	325.2	358.5	416.9	529.5	867.2	1542.5	2447.2	3481.1	4006.4	4143.9
65°	262.6	262.6	283.5	312.7	316.8	333.5	400.2	571.1	829.6	942.2	954.7
67.5°	200.1	200.1	216.8	233.5	241.8	237.6	229.3	237.6	287.7	275.1	266.8
70°	125.0	129.3	137.6	154.3	162.6	166.8	170.9	179.2	204.3	212.6	204.3
72.5°	75.0	75.0	79.2	91.7	104.2	112.6	125.0	133.4	146.0	166.8	162.6
75°	33.4	33.4	41.7	54.2	66.7	79.2	91.7	104.2	112.6	125.0	129.3
77.5°	8.3	12.5	20.8	37.5	50.0	66.7	83.4	95.9	104.2	104.2	100.1
80°	4.1	4.1	16.7	29.2	54.2	70.9	91.7	100.1	112.6	104.2	91.7
82.5°	4.1	4.1	16.7	29.2	50.0	70.9	95.9	108.4	116.7	104.2	87.5
85°	0.0	4.1	12.5	25.0	41.7	50.0	41.7	29.2	16.7	16.7	12.5
87.5°	0.0	0.0	4.1	4.1	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)