

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: P648057

Luminaire Tested: **GALN-SA7A-835-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7A-835-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24896.3 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

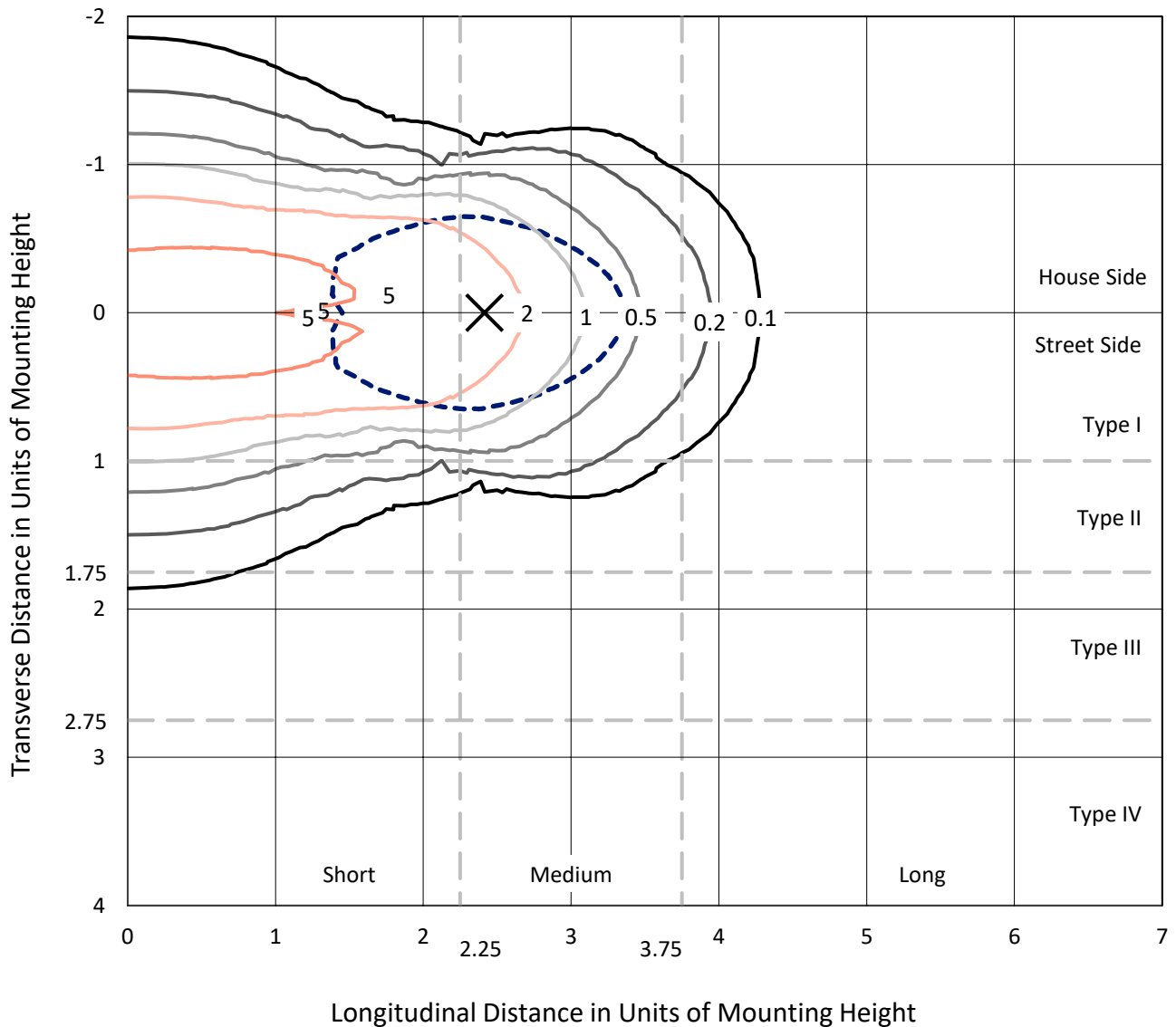
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

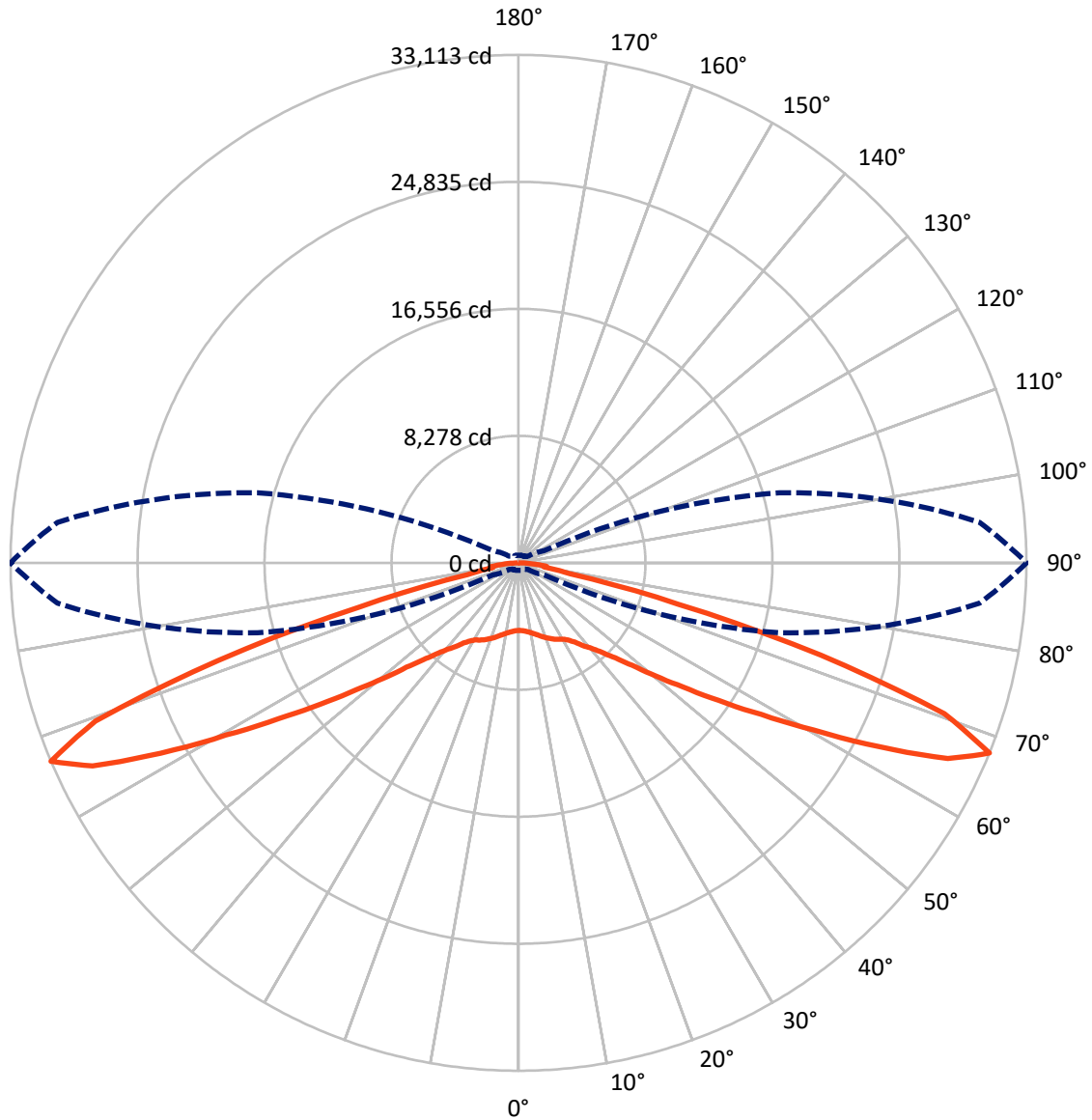
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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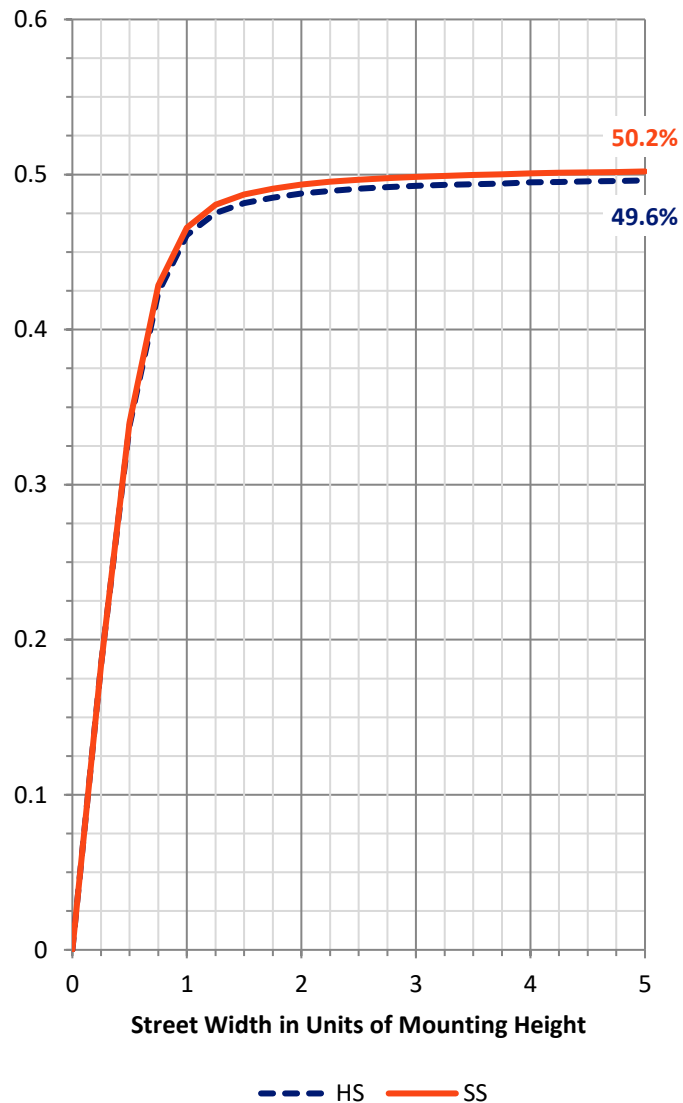
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12448.1	0.0	12448.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12448.1	0.0	12448.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24896.3	0.0	24896.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	439.4	1.8
10°-20°	1405.9	5.6
20°-30°	2353.1	9.5
30°-40°	3187.9	12.8
40°-50°	4037.9	16.2
50°-60°	5044.4	20.3
60°-70°	5929.5	23.8
70°-80°	2268.3	9.1
80°-90°	229.8	0.9
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°	24896.3	100.0
0°-180°	24896.3	100.0

**Coefficient of Utilization**

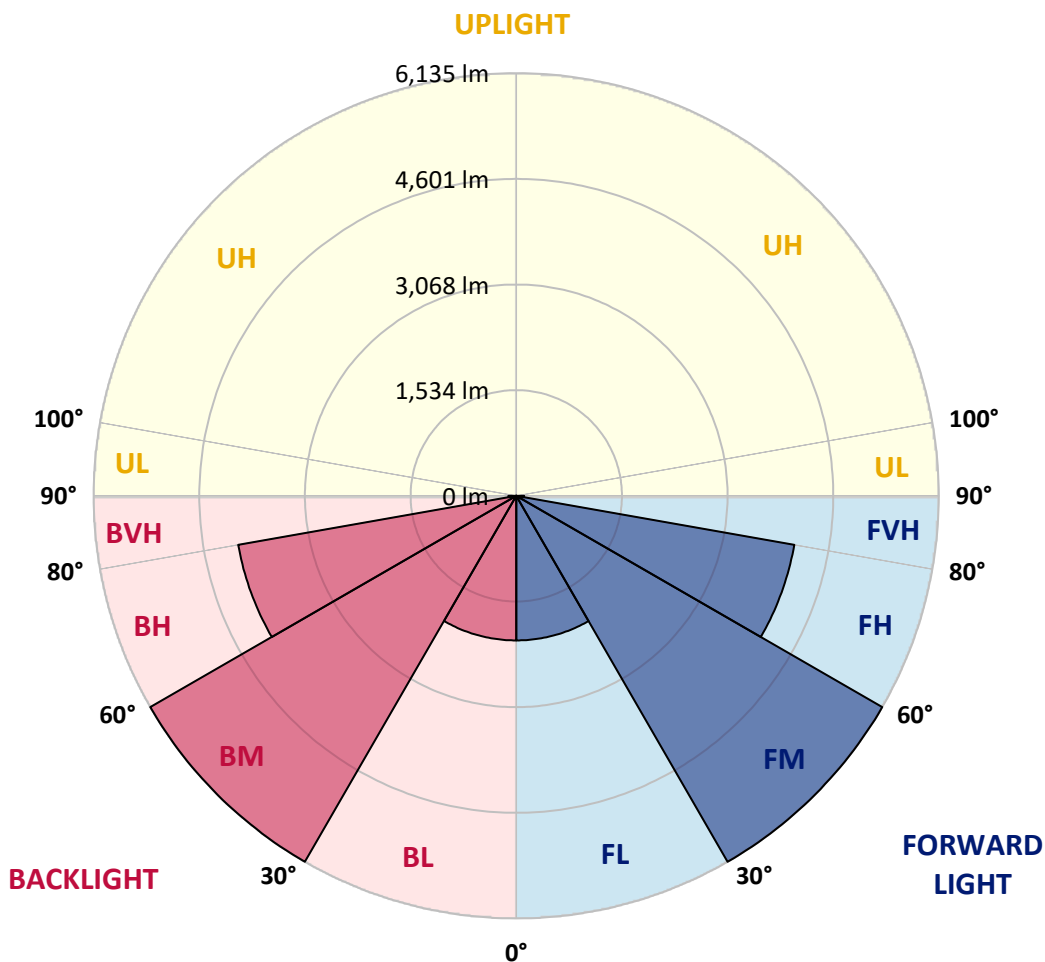


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2099.2	8.4			
FM (30°-60°)	6135.1	24.6			
FH (60°-80°)	4098.9	16.5			G2/5000
FVH (80°-90°)	114.9	0.5			G2/225
BL (0°-30°)	2099.2	8.4	B3/2500		
BM (30°-60°)	6135.1	24.6	B4/8500		
BH (60°-80°)	4098.9	16.5	B4/5000		G4/5000
BVH (80°-90°)	114.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4407.4	4407.4	4407.4	4407.4	4407.4	4407.4	4407.4	4407.4	4407.4	4407.4	4407.4
2.5°	4464.0	4461.1	4462.6	4461.1	4465.3	4462.6	4446.0	4432.2	4421.2	4422.5	4418.5
5°	4559.1	4560.4	4561.8	4554.9	4564.6	4559.1	4532.9	4510.8	4488.8	4480.5	4477.7
7.5°	4637.6	4644.5	4648.7	4655.6	4672.1	4672.1	4658.3	4626.6	4578.4	4550.8	4549.4
10°	4716.2	4721.7	4734.2	4756.2	4783.7	4810.0	4804.5	4761.7	4699.6	4652.8	4641.8
12.5°	4743.8	4750.7	4792.0	4855.5	4917.5	4968.5	4968.5	4934.1	4854.1	4782.4	4761.7
15°	4647.3	4659.7	4734.2	4869.2	5031.9	5143.6	5168.4	5120.2	5034.7	4924.4	4899.5
17.5°	4455.7	4486.0	4594.9	4794.8	5065.0	5296.6	5368.3	5344.8	5234.6	5094.0	5065.0
20°	4250.3	4283.3	4399.1	4663.9	5037.4	5386.3	5594.4	5599.9	5463.5	5259.4	5216.7
22.5°	4024.2	4049.0	4197.9	4508.0	4954.7	5406.9	5788.8	5883.9	5699.1	5424.9	5364.2
25°	3770.5	3798.1	3953.8	4288.9	4798.9	5383.4	5966.6	6176.1	5945.9	5601.3	5524.1
27.5°	3527.9	3538.9	3705.7	4046.2	4593.5	5322.8	6097.6	6445.0	6218.9	5747.5	5649.6
30°	3294.9	3321.1	3468.6	3805.0	4357.8	5204.3	6210.6	6751.0	6512.5	5900.5	5775.0
32.5°	3048.1	3079.9	3239.7	3580.3	4122.0	5026.4	6279.6	7086.1	6922.0	6148.6	6014.8
35°	2811.0	2831.6	2992.9	3323.8	3891.8	4819.6	6292.0	7463.8	7450.0	6525.0	6347.2
37.5°	2568.3	2598.7	2761.3	3078.4	3647.8	4600.4	6229.9	7865.0	8086.9	7047.5	6855.8
40°	2335.4	2361.5	2521.5	2841.4	3370.7	4333.0	6082.4	8231.7	8830.0	7585.1	7313.5
42.5°	2081.7	2088.6	2263.7	2589.0	3099.1	4022.8	5870.2	8558.4	9658.5	8306.1	7968.4
45°	1793.5	1811.5	1974.2	2294.0	2787.6	3675.4	5582.0	8828.6	10709.0	9305.6	8845.2
47.5°	1505.5	1520.6	1669.5	1985.2	2447.0	3276.9	5138.0	9065.7	11787.1	10575.3	9971.5
50°	1224.2	1232.4	1353.8	1633.7	2063.8	2857.9	4588.0	9141.5	13005.8	12373.0	11602.4
52.5°	967.8	980.2	1072.6	1291.8	1654.3	2362.9	3993.8	8954.1	14428.5	14504.4	13418.0
55°	784.4	788.6	857.5	1018.8	1293.1	1844.6	3276.9	8431.6	15958.8	17235.4	15849.9
57.5°	675.5	678.3	716.9	806.5	995.3	1391.0	2542.2	7443.1	17333.3	20435.1	18654.0
60°	613.5	614.9	636.9	689.3	788.6	1067.1	1821.2	6048.0	18689.8	23996.1	22139.1
62.5°	574.9	574.9	590.1	619.0	667.3	818.9	1319.4	4363.3	19619.0	27609.4	26434.9
65°	537.7	537.7	548.6	569.4	595.5	670.0	974.7	2845.4	19595.6	30241.2	30755.4
67.5°	494.9	494.9	503.2	523.9	539.0	576.3	752.7	1863.9	17602.1	30183.2	33112.8
70°	443.9	443.9	454.9	472.9	485.3	508.7	594.2	1275.2	12931.3	25771.7	29448.5
72.5°	392.9	394.3	401.2	419.1	428.8	442.6	493.5	893.3	7932.5	17548.3	20590.9
75°	336.4	339.1	346.0	363.9	372.2	377.7	416.3	636.9	4013.1	9461.4	10772.4
77.5°	271.6	277.1	281.3	300.5	306.1	314.3	343.3	460.5	1761.8	3399.6	3430.0
80°	198.5	205.4	217.8	235.8	239.9	245.4	261.9	326.7	798.2	1552.3	1686.0
82.5°	146.1	155.8	140.6	164.0	164.0	157.1	184.7	219.2	366.7	1537.2	1839.0
85°	79.9	81.4	73.1	84.1	89.6	88.2	97.9	107.5	177.8	1025.7	1057.4
87.5°	19.3	20.7	22.1	26.2	31.7	31.7	34.5	30.3	57.9	332.2	190.3
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)