

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: P648002

Luminaire Tested: **GALN-SA6A-835-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648002  
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-SA6A-835-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 21195.8 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

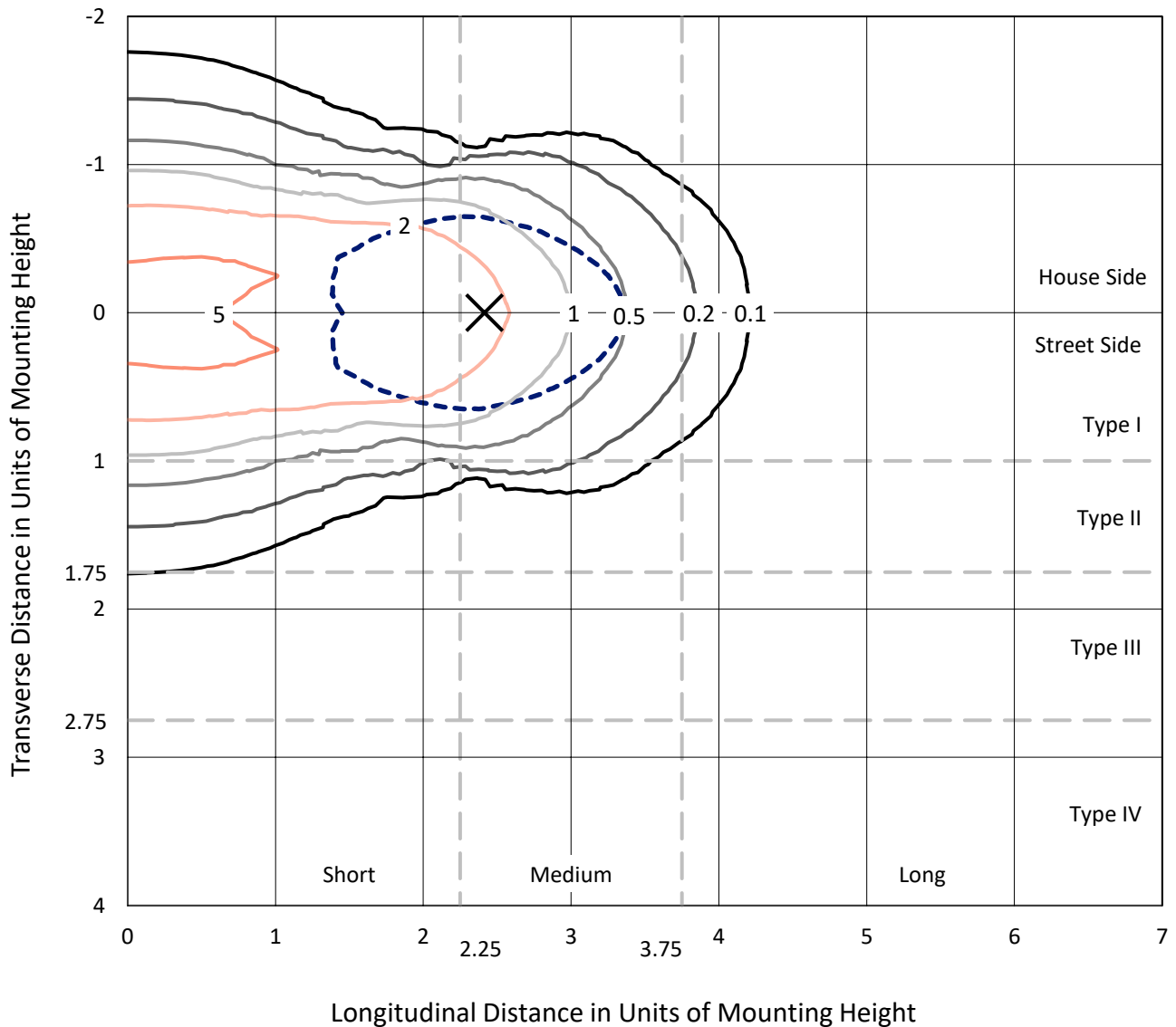
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

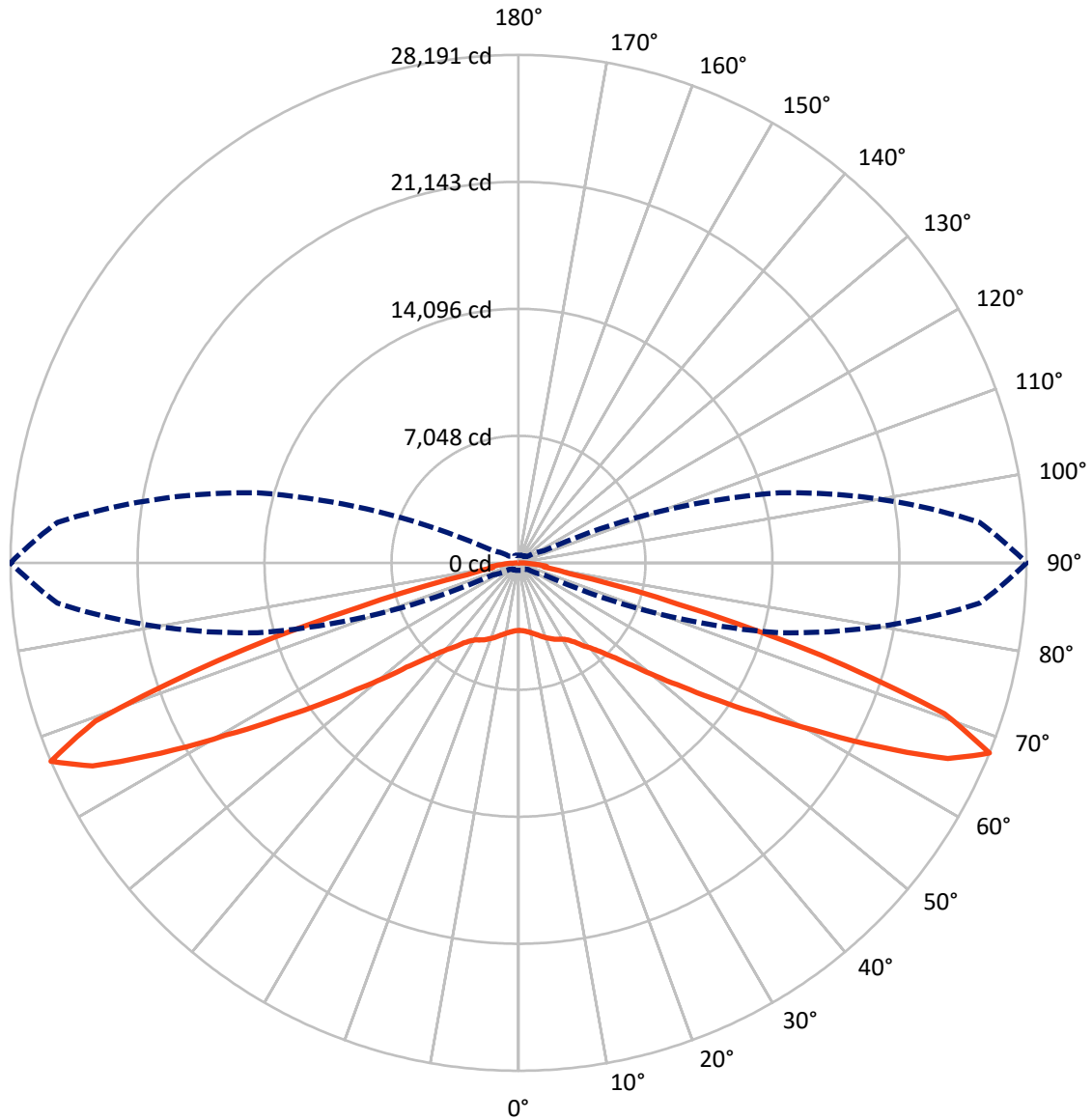
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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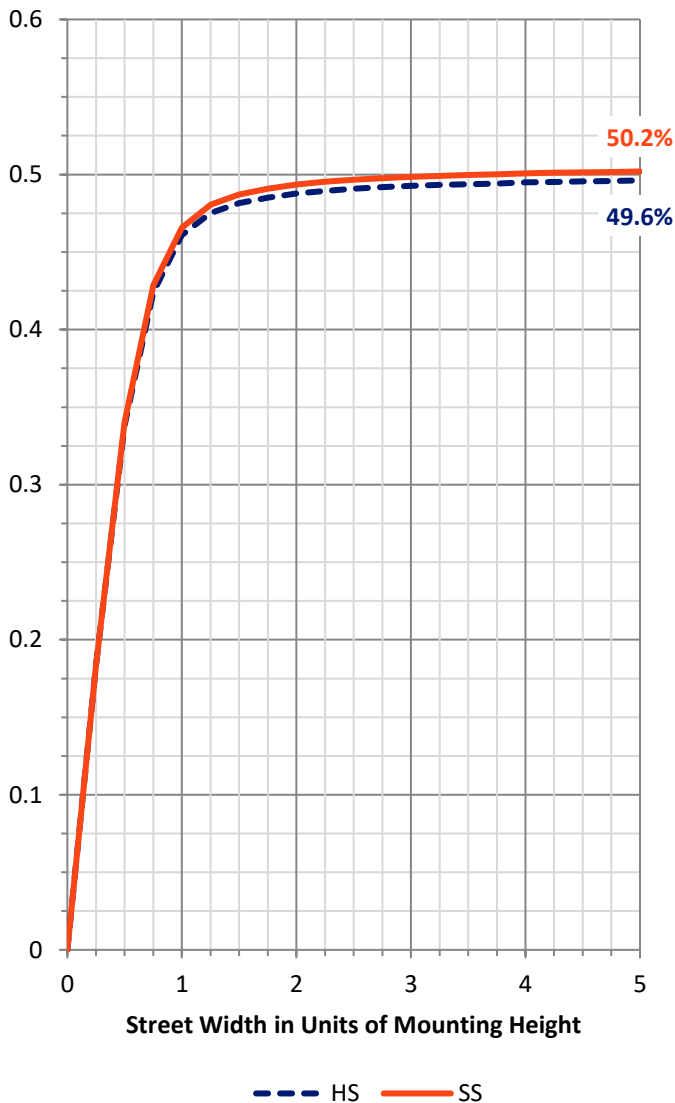
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10597.9	0.0	10597.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10597.9	0.0	10597.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21195.8	0.0	21195.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	374.1	1.8
10°-20°	1196.9	5.6
20°-30°	2003.4	9.5
30°-40°	2714.0	12.8
40°-50°	3437.8	16.2
50°-60°	4294.6	20.3
60°-70°	5048.2	23.8
70°-80°	1931.1	9.1
80°-90°	195.6	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°	21195.8	100.0
0°-180°	21195.8	100.0

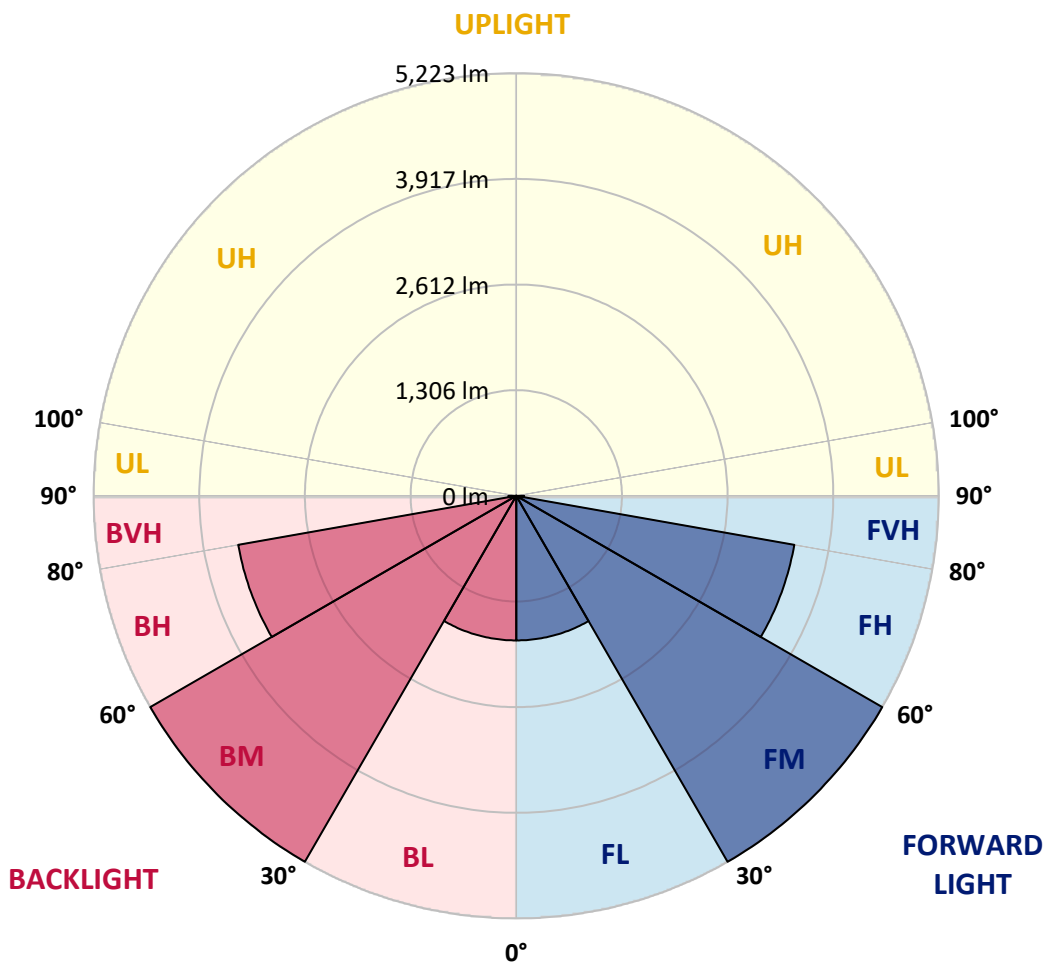


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.2	8.4			
FM (30°-60°)	5223.2	24.6			
FH (60°-80°)	3489.7	16.5			G2/5000
FVH (80°-90°)	97.8	0.5			G1/100
BL (0°-30°)	1787.2	8.4	B3/2500		
BM (30°-60°)	5223.2	24.6	B4/8500		
BH (60°-80°)	3489.7	16.5	B4/5000		G4/5000
BVH (80°-90°)	97.8	0.5			G1/100
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°	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3	3752.3
2.5°	3800.4	3798.1	3799.3	3798.1	3801.6	3799.3	3785.2	3773.4	3764.0	3765.2	3761.7
5°	3881.4	3882.6	3883.8	3877.9	3886.1	3881.4	3859.1	3840.4	3821.6	3814.5	3812.2
7.5°	3948.4	3954.2	3957.8	3963.5	3977.6	3977.6	3965.9	3939.0	3897.9	3874.4	3873.2
10°	4015.2	4019.9	4030.5	4049.3	4072.8	4095.0	4090.3	4054.0	4001.1	3961.3	3951.9
12.5°	4038.7	4044.6	4079.7	4133.8	4186.6	4230.0	4230.0	4200.6	4132.6	4071.6	4054.0
15°	3956.6	3967.1	4030.5	4145.5	4284.0	4379.1	4400.2	4359.1	4286.4	4192.4	4171.4
17.5°	3793.4	3819.2	3911.9	4082.1	4312.1	4509.4	4570.4	4550.4	4456.5	4336.8	4312.1
20°	3618.5	3646.7	3745.2	3970.6	4288.7	4585.6	4762.9	4767.5	4651.4	4477.7	4441.3
22.5°	3426.0	3447.2	3573.9	3838.0	4218.3	4603.3	4928.4	5009.3	4852.1	4618.5	4566.8
25°	3210.1	3233.6	3366.2	3651.4	4085.6	4583.3	5079.8	5258.2	5062.2	4768.7	4703.0
27.5°	3003.5	3012.9	3154.9	3444.8	3910.8	4531.7	5191.3	5487.0	5294.6	4893.1	4809.8
30°	2805.2	2827.4	2953.0	3239.4	3710.1	4430.7	5287.5	5747.6	5544.6	5023.4	4916.6
32.5°	2595.0	2622.0	2758.2	3048.1	3509.3	4279.3	5346.2	6032.8	5893.2	5234.7	5120.8
35°	2393.2	2410.8	2548.1	2829.8	3313.3	4103.2	5356.7	6354.4	6342.7	5555.2	5403.7
37.5°	2186.6	2212.4	2351.0	2620.9	3105.6	3916.6	5304.0	6696.0	6884.9	6000.0	5836.8
40°	1988.3	2010.5	2146.7	2419.0	2869.7	3688.9	5178.4	7008.2	7517.6	6457.7	6226.5
42.5°	1772.3	1778.2	1927.2	2204.2	2638.5	3424.8	4997.6	7286.4	8222.9	7071.5	6784.0
45°	1527.0	1542.3	1680.7	1953.0	2373.2	3129.1	4752.3	7516.4	9117.3	7922.5	7530.4
47.5°	1281.7	1294.6	1421.4	1690.1	2083.3	2789.9	4374.4	7718.3	10035.2	9003.5	8489.4
50°	1042.3	1049.3	1152.6	1390.8	1757.1	2433.1	3906.1	7782.8	11072.7	10533.9	9877.9
52.5°	824.0	834.5	913.1	1099.7	1408.5	2011.7	3400.2	7623.2	12283.9	12348.5	11423.7
55°	667.8	671.3	730.1	867.3	1100.9	1570.4	2789.9	7178.3	13586.8	14673.6	13494.1
57.5°	575.1	577.5	610.3	686.6	847.4	1184.3	2164.3	6336.8	14757.0	17397.8	15881.4
60°	522.3	523.4	542.2	586.9	671.3	908.4	1550.5	5149.0	15911.8	20429.4	18848.5
62.5°	489.5	489.5	502.4	527.0	568.1	697.2	1123.2	3714.8	16703.0	23505.7	22505.7
65°	457.7	457.7	467.1	484.8	507.1	570.4	829.8	2422.5	16683.0	25746.3	26184.1
67.5°	421.3	421.3	428.4	446.0	458.9	490.6	640.8	1586.8	14985.8	25697.0	28191.1
70°	378.0	378.0	387.4	402.5	413.1	433.1	505.9	1085.7	11009.3	21941.1	25071.4
72.5°	334.5	335.7	341.5	356.8	365.0	376.8	420.2	760.5	6753.5	14940.0	17530.4
75°	286.4	288.7	294.6	309.8	316.9	321.6	354.5	542.2	3416.6	8055.1	9171.3
77.5°	231.2	235.9	239.4	255.9	260.6	267.6	292.2	392.0	1500.0	2894.4	2920.2
80°	169.0	174.8	185.4	200.7	204.2	208.9	223.0	278.2	679.6	1321.5	1435.5
82.5°	124.4	132.6	119.7	139.7	139.7	133.8	157.3	186.6	312.2	1308.7	1565.7
85°	68.0	69.2	62.2	71.6	76.3	75.1	83.3	91.5	151.4	873.2	900.2
87.5°	16.4	17.6	18.8	22.3	27.0	27.0	29.4	25.8	49.3	282.9	162.0
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)