

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: P648037

Luminaire Tested: **GALN-SA7A-835-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7A-835-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21853.5 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

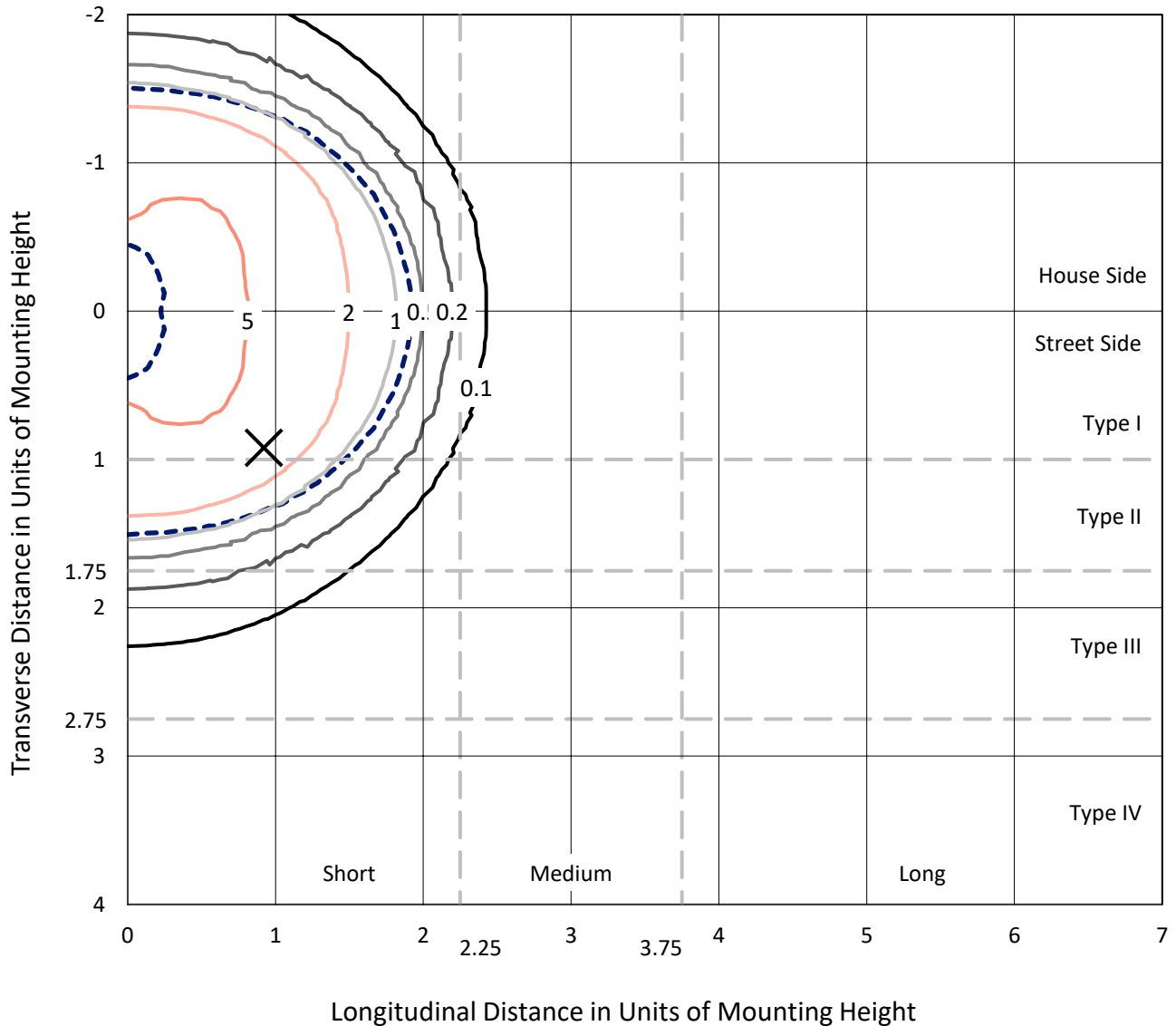
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

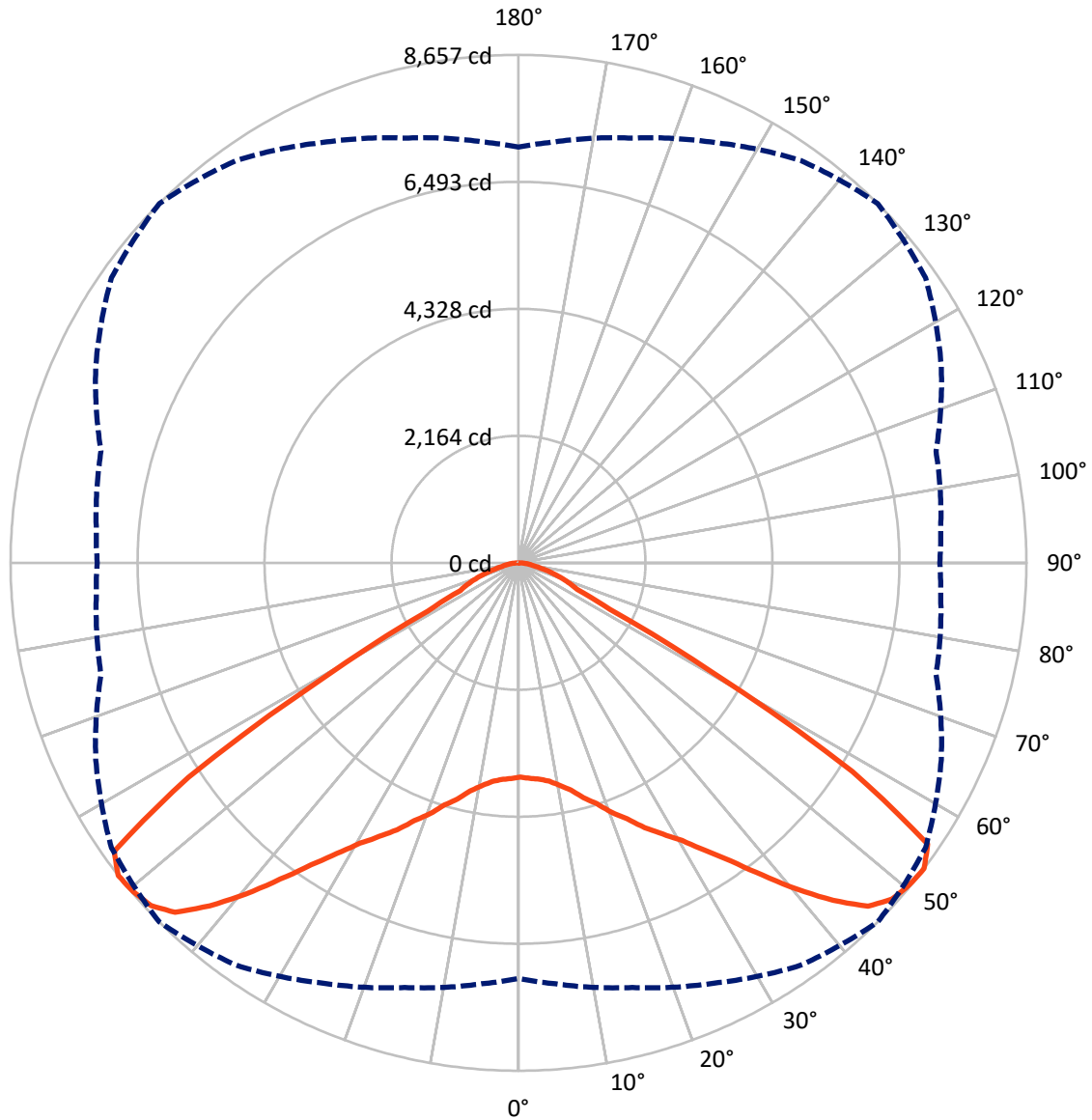
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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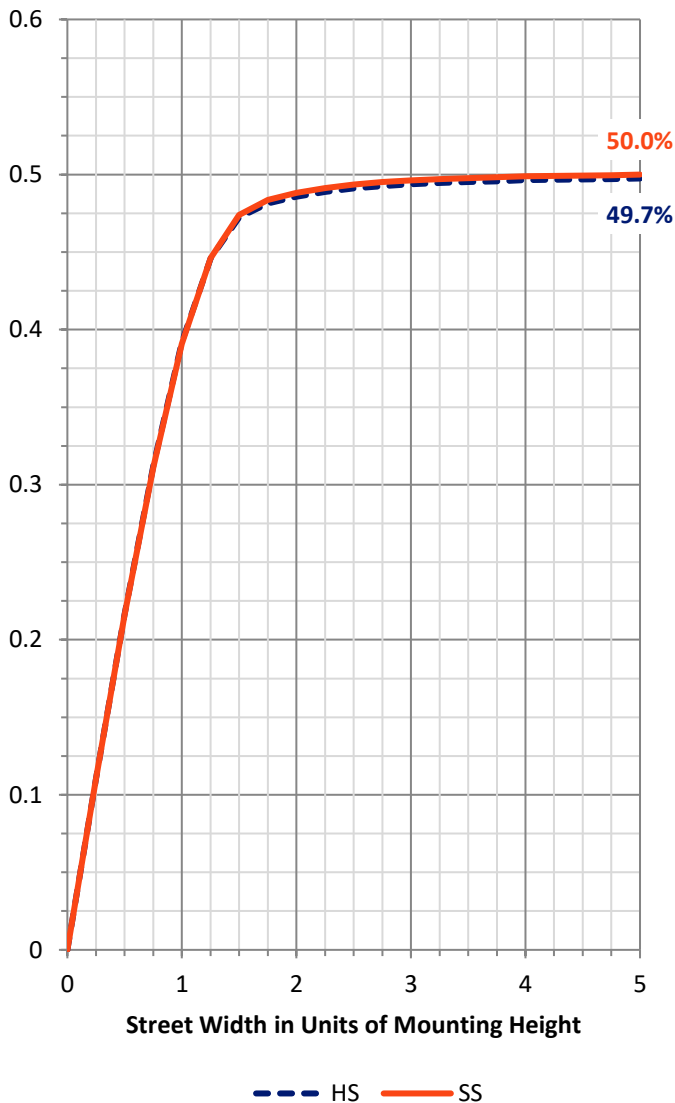
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10926.8	0.0	10926.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10926.8	0.0	10926.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21853.5	0.0	21853.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	358.9	1.6
10°-20°	1179.3	5.4
20°-30°	2245.3	10.3
30°-40°	3855.3	17.6
40°-50°	5925.8	27.1
50°-60°	6017.5	27.5
60°-70°	1677.0	7.7
70°-80°	494.7	2.3
80°-90°	99.6	0.5
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°	21853.5	100.0
0°-180°	21853.5	100.0

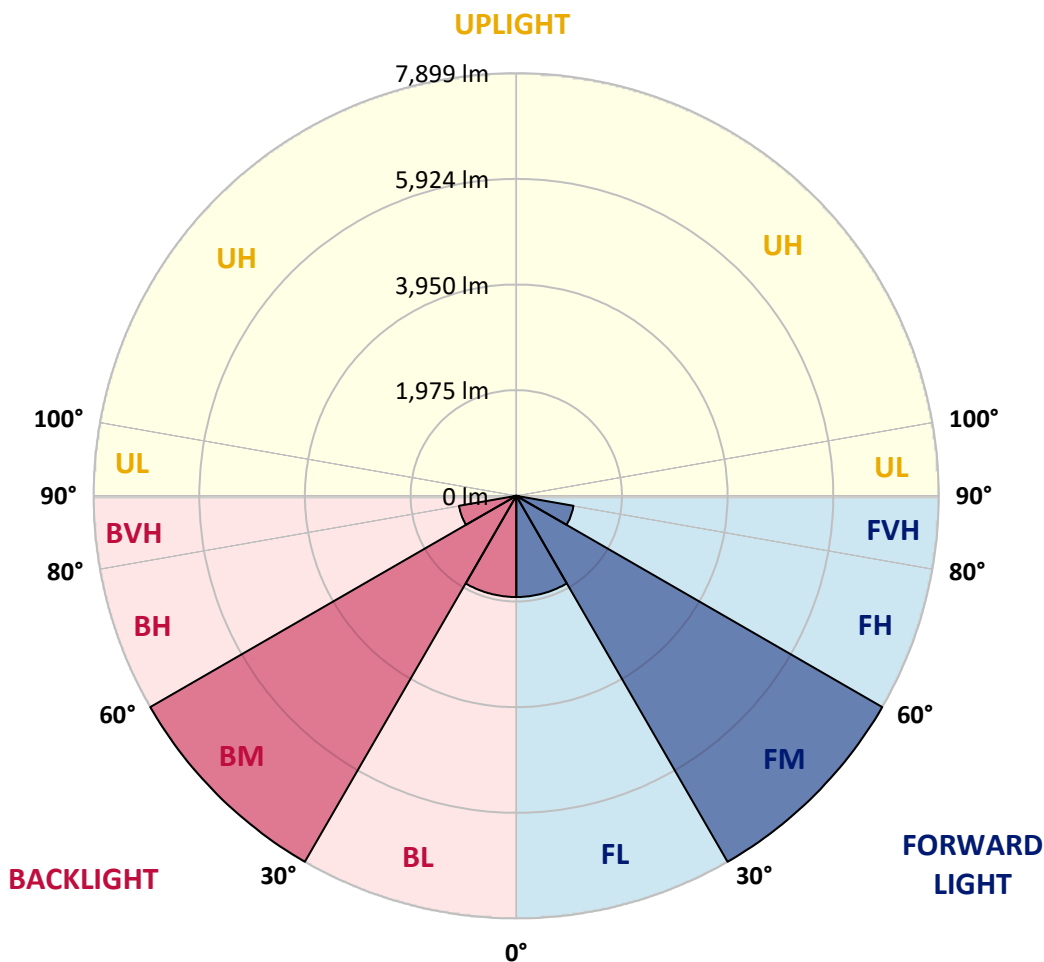


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1891.8	8.7			
FM (30°-60°)	7899.3	36.1			
FH (60°-80°)	1085.8	5.0			G1/1800
FVH (80°-90°)	49.8	0.2			G1/100
BL (0°-30°)	1891.8	8.7	B3/2500		
BM (30°-60°)	7899.3	36.1	B4/8500		
BH (60°-80°)	1085.8	5.0	B3/2500		G1/1800
BVH (80°-90°)	49.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3653.1	3653.1	3653.1	3653.1	3653.1	3653.1	3653.1	3653.1	3653.1	3653.1	3653.1
2.5°	3661.2	3623.3	3636.8	3644.9	3680.3	3677.5	3669.4	3680.3	3691.1	3693.8	3688.4
5°	3658.6	3631.4	3642.3	3650.4	3685.7	3704.6	3699.2	3745.3	3777.9	3769.8	3810.4
7.5°	3636.8	3653.1	3639.5	3680.3	3710.1	3756.1	3805.0	3848.4	3889.1	3935.1	3943.3
10°	3685.7	3685.7	3710.1	3742.6	3821.3	3856.5	3927.1	3989.4	4068.1	4122.3	4100.6
12.5°	3737.2	3745.3	3745.3	3829.4	3894.5	3973.1	4038.2	4122.3	4233.4	4298.6	4331.1
15°	3788.7	3794.1	3821.3	3935.1	4032.8	4157.6	4217.2	4293.1	4355.5	4477.6	4480.2
17.5°	3834.8	3864.7	3946.0	4073.5	4195.5	4314.9	4409.8	4488.4	4542.7	4591.4	4580.6
20°	4008.4	4030.1	4114.1	4241.6	4423.3	4539.9	4572.5	4586.0	4621.3	4718.9	4689.1
22.5°	4176.5	4184.7	4263.3	4458.6	4586.0	4740.6	4775.9	4767.8	4781.3	4805.7	4849.1
25°	4350.1	4363.7	4472.1	4637.6	4816.5	5001.0	5030.9	4968.4	4949.4	4976.6	4979.3
27.5°	4572.5	4575.2	4713.5	4857.3	5060.7	5234.2	5280.3	5231.5	5142.0	5163.7	5199.0
30°	4854.5	4835.6	4973.9	5180.0	5394.2	5491.9	5570.5	5546.1	5448.5	5429.5	5399.6
32.5°	5180.0	5185.4	5310.1	5535.3	5676.3	5839.0	5923.1	5882.4	5820.0	5787.5	5806.5
35°	5638.3	5662.7	5746.8	5933.9	6161.7	6243.1	6376.0	6289.2	6126.5	6167.1	6202.4
37.5°	6015.3	6085.8	6243.1	6465.5	6601.1	6750.2	6799.0	6682.4	6563.1	6514.3	6630.9
40°	6592.9	6571.2	6744.8	6967.2	7167.9	7317.1	7254.7	7138.1	6842.5	6845.1	6877.7
42.5°	7089.3	7100.1	7233.0	7498.8	7772.7	7864.9	7666.9	7382.1	7054.0	7018.7	7089.3
45°	7506.9	7550.3	7626.3	7981.5	8250.0	8350.4	7984.3	7648.0	7208.6	7062.1	7178.8
47.5°	7656.1	7726.6	7892.0	8217.4	8483.3	8564.6	8271.7	7789.0	7352.3	7113.6	7176.0
50°	7677.8	7653.4	7924.6	8222.9	8456.1	8632.4	8374.7	7892.0	7317.1	7192.3	7173.3
52.5°	7083.8	7203.1	7493.3	7902.8	8374.7	8656.8	8467.0	7948.9	7365.8	7224.8	7178.8
55°	5733.2	5592.2	6121.0	6809.9	7677.8	8461.6	8434.4	7978.8	7395.7	7279.1	7216.7
57.5°	3200.2	3240.9	3539.2	4287.7	5407.8	6709.5	7498.8	7664.2	7382.1	7314.3	7346.9
60°	1480.7	1494.4	1621.8	1971.7	2666.0	3805.0	4843.7	5898.7	6384.1	6481.8	6481.8
62.5°	1103.8	1098.4	1130.9	1193.3	1339.7	1749.2	2335.1	3173.1	3840.2	4306.7	4428.7
65°	998.0	995.3	1011.6	1033.2	1044.1	1101.1	1231.3	1488.9	1705.8	1830.7	1808.9
67.5°	873.3	870.5	876.0	889.6	908.5	938.3	970.9	1025.2	1101.1	1095.7	1082.1
70°	705.1	705.1	713.2	724.1	745.8	781.0	819.0	857.0	922.1	935.7	932.9
72.5°	520.7	512.6	528.8	550.5	572.2	615.6	656.3	691.5	737.7	751.2	745.8
75°	330.9	336.3	347.1	371.5	409.5	439.3	482.7	512.6	542.4	553.3	555.9
77.5°	184.4	189.9	208.8	238.7	276.6	309.2	347.1	371.5	390.6	393.2	396.0
80°	111.2	113.9	132.9	160.0	192.5	227.8	257.6	282.0	298.3	290.2	287.4
82.5°	67.8	70.5	86.8	111.2	138.3	165.4	197.9	219.7	235.9	225.1	214.2
85°	35.2	38.0	51.5	67.8	89.5	103.0	103.0	92.2	89.5	84.1	81.4
87.5°	10.9	10.9	13.5	16.3	13.5	16.3	18.9	21.7	21.7	24.4	21.7
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)