

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: P531713

Luminaire Tested: **GALN-SA7A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531713  
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-SA7A-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 615mA 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: 19176 lumens  
Efficiency: N/A  
Efficacy: 89.2 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

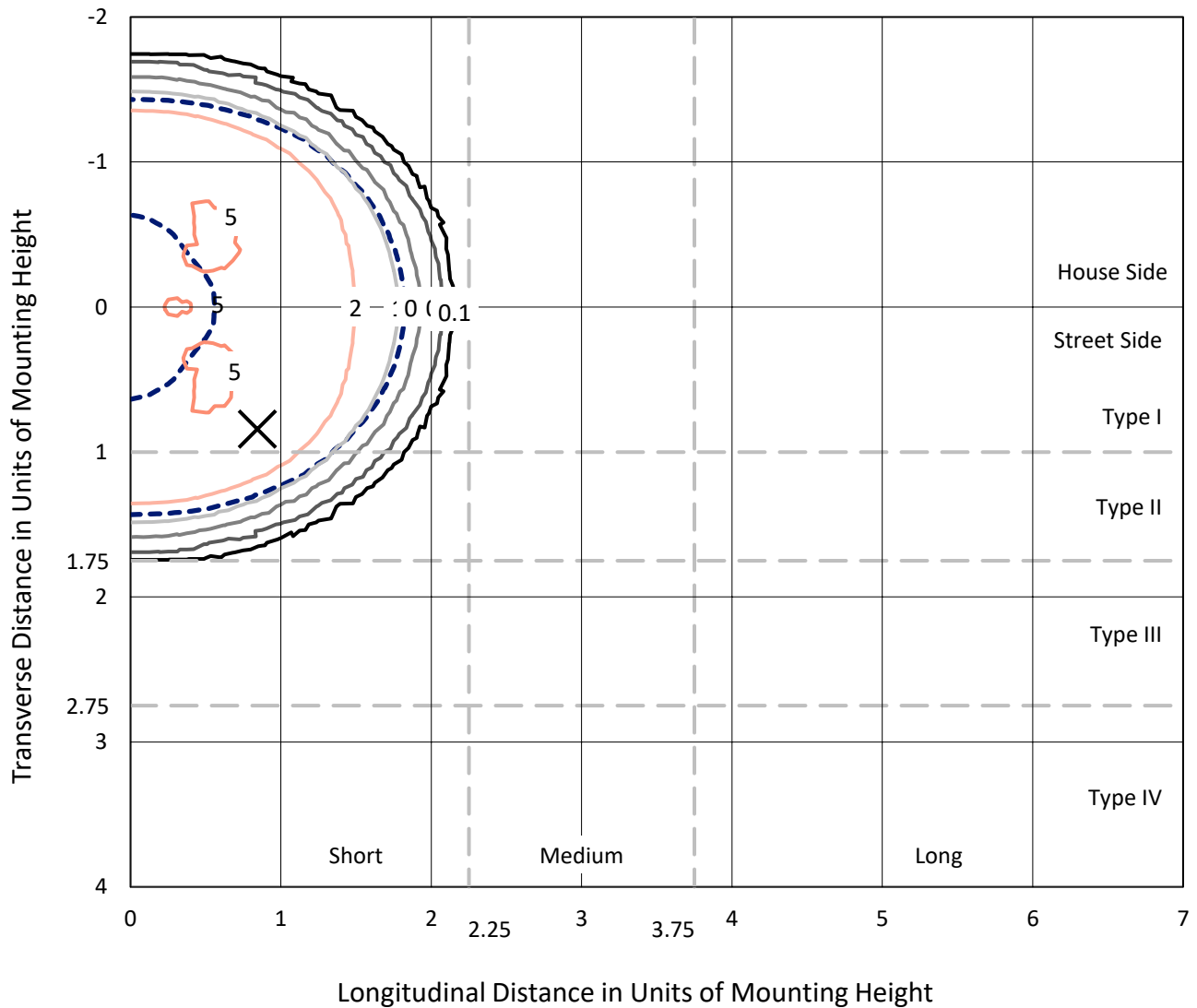
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

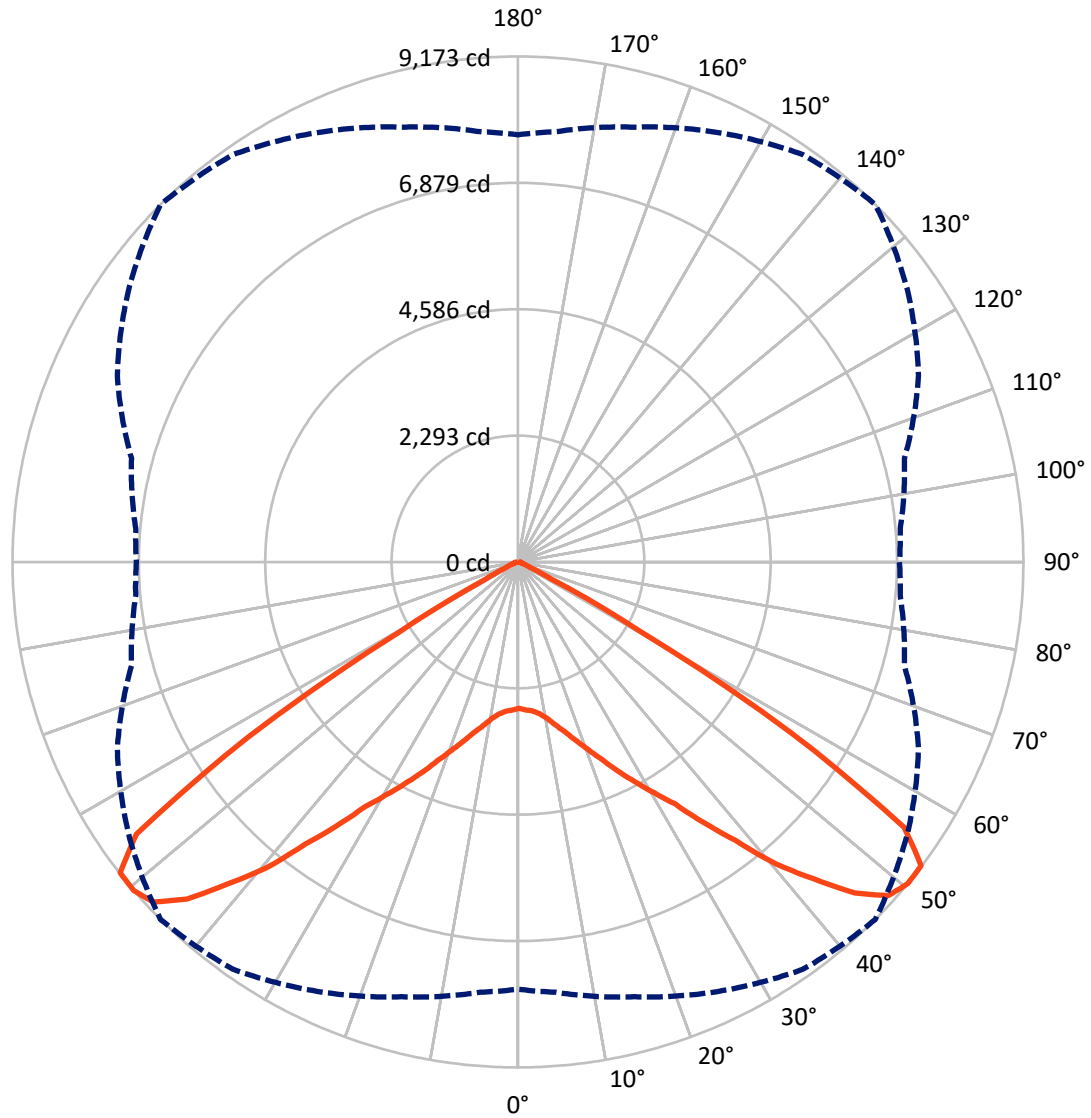
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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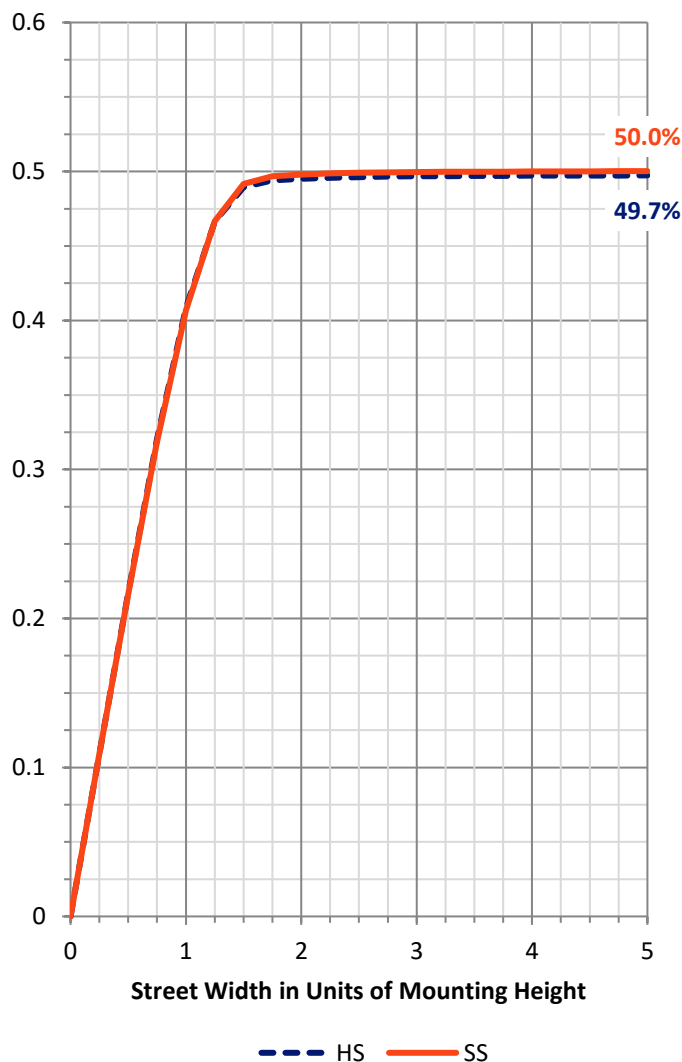
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9588.0	0.0	9588.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9588.0	0.0	9588.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19176.0	0.0	19176.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.5	1.4
10°-20°	911.6	4.8
20°-30°	1861.8	9.7
30°-40°	3550.4	18.5
40°-50°	5983.0	31.2
50°-60°	5705.8	29.8
60°-70°	796.5	4.2
70°-80°	76.2	0.4
80°-90°	26.3	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°	19176.0	100.0
0°-180°	19176.0	100.0

**Coefficient of Utilization**



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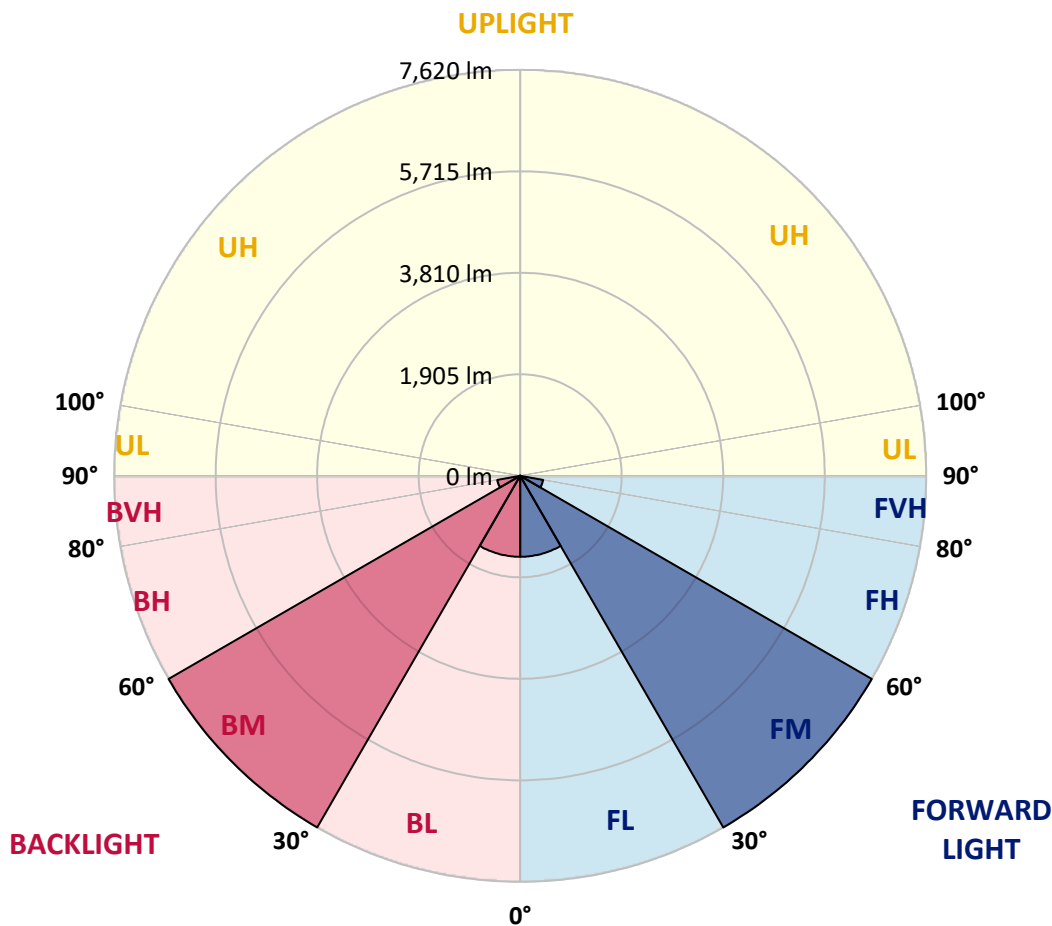
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1518.9	7.9			
FM (30°-60°)	7619.6	39.7			
FH (60°-80°)	436.3	2.3			G0/660
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	1518.9	7.9	B3/2500		
BM (30°-60°)	7619.6	39.7	B4/8500		
BH (60°-80°)	436.3	2.3	B1/500		G0/660
BVH (80°-90°)	13.2	0.1			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°	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5	2658.5
2.5°	2648.9	2648.9	2645.6	2671.4	2658.5	2687.6	2684.4	2694.0	2703.7	2700.5	2726.3
5°	2626.3	2623.1	2623.1	2652.1	2681.1	2713.4	2742.4	2761.8	2794.0	2794.0	2826.3
7.5°	2648.9	2632.7	2655.3	2668.2	2723.1	2777.9	2826.3	2865.0	2939.2	2965.0	2955.4
10°	2655.3	2674.7	2690.8	2729.5	2797.3	2881.2	2923.1	3019.9	3103.8	3161.9	3174.8
12.5°	2697.3	2726.3	2771.5	2865.0	2926.3	3036.0	3094.1	3187.7	3303.8	3368.3	3413.5
15°	2777.9	2787.6	2845.7	2965.0	3097.3	3197.3	3287.7	3355.4	3468.4	3542.6	3545.8
17.5°	2881.2	2923.1	3003.8	3116.7	3255.4	3403.8	3474.8	3549.0	3591.0	3691.0	3713.6
20°	3087.7	3094.1	3171.5	3320.0	3494.2	3629.7	3681.3	3720.0	3703.9	3807.1	3826.5
22.5°	3281.2	3287.7	3384.5	3584.5	3771.6	3887.8	3910.4	3887.8	3839.4	3913.6	3920.1
25°	3478.0	3536.1	3607.1	3807.1	4039.4	4194.3	4197.5	4136.2	4036.2	4049.1	4081.4
27.5°	3784.5	3826.5	3900.7	4084.6	4339.5	4513.7	4484.7	4410.5	4281.4	4291.1	4281.4
30°	4142.7	4181.4	4242.7	4478.2	4665.4	4855.7	4897.7	4826.7	4633.1	4591.1	4639.5
32.5°	4575.0	4629.9	4742.8	4959.0	5117.0	5233.2	5262.2	5236.4	5055.7	5039.6	5071.9
35°	5100.9	5175.1	5278.4	5468.7	5597.8	5807.5	5807.5	5720.4	5555.8	5575.2	5572.0
37.5°	5655.9	5765.6	5926.9	6120.5	6294.7	6407.6	6372.1	6297.9	6133.4	6091.4	6133.4
40°	6352.8	6407.6	6610.9	6862.5	7075.5	7204.5	7052.9	6891.6	6497.9	6559.2	6672.2
42.5°	6988.4	7075.5	7230.3	7507.8	7749.8	7856.2	7675.6	7356.2	6881.9	6833.5	6917.4
45°	7530.4	7623.9	7827.2	8224.1	8478.9	8572.5	8172.4	7656.2	7114.2	6991.6	7027.1
47.5°	7891.7	7940.1	8224.1	8601.5	8833.8	9046.8	8472.5	7862.7	7223.9	6991.6	6978.7
50°	7753.0	7836.9	8169.2	8598.3	9021.0	9172.6	8624.1	8020.8	7259.4	6962.5	6923.8
52.5°	6885.1	7030.3	7401.3	7978.9	8617.7	9159.7	8833.8	7969.2	7246.5	6991.6	7049.7
55°	4791.2	4794.4	5246.1	6097.9	7227.1	8504.8	8527.3	8027.2	7330.3	7172.3	7175.5
57.5°	1926.2	2022.9	2368.2	3223.2	4265.3	5839.8	6943.2	7446.5	7340.0	7301.3	7401.3
60°	487.2	490.4	596.9	909.8	1500.3	2503.7	3636.1	4920.2	5665.5	5920.4	5955.9
62.5°	248.4	251.7	277.5	322.6	409.8	671.1	1193.8	1893.9	2694.0	3100.6	3207.0
65°	203.3	203.3	219.4	242.0	245.2	258.1	309.7	442.0	642.1	729.2	738.8
67.5°	154.9	154.9	167.8	180.7	187.1	183.9	177.5	183.9	222.6	212.9	206.5
70°	96.8	100.0	106.5	119.4	125.8	129.1	132.3	138.7	158.1	164.5	158.1
72.5°	58.1	58.1	61.3	71.0	80.7	87.1	96.8	103.2	112.9	129.1	125.8
75°	25.8	25.8	32.3	41.9	51.6	61.3	71.0	80.7	87.1	96.8	100.0
77.5°	6.5	9.7	16.1	29.0	38.7	51.6	64.5	74.2	80.7	80.7	77.4
80°	3.2	3.2	12.9	22.6	41.9	54.8	71.0	77.4	87.1	80.7	71.0
82.5°	3.2	3.2	12.9	22.6	38.7	54.8	74.2	83.9	90.3	80.7	67.8
85°	0.0	3.2	9.7	19.4	32.3	38.7	32.3	22.6	12.9	12.9	9.7
87.5°	0.0	0.0	3.2	3.2	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)