

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: P530769

Luminaire Tested: **GALN-SA6A-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15161 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

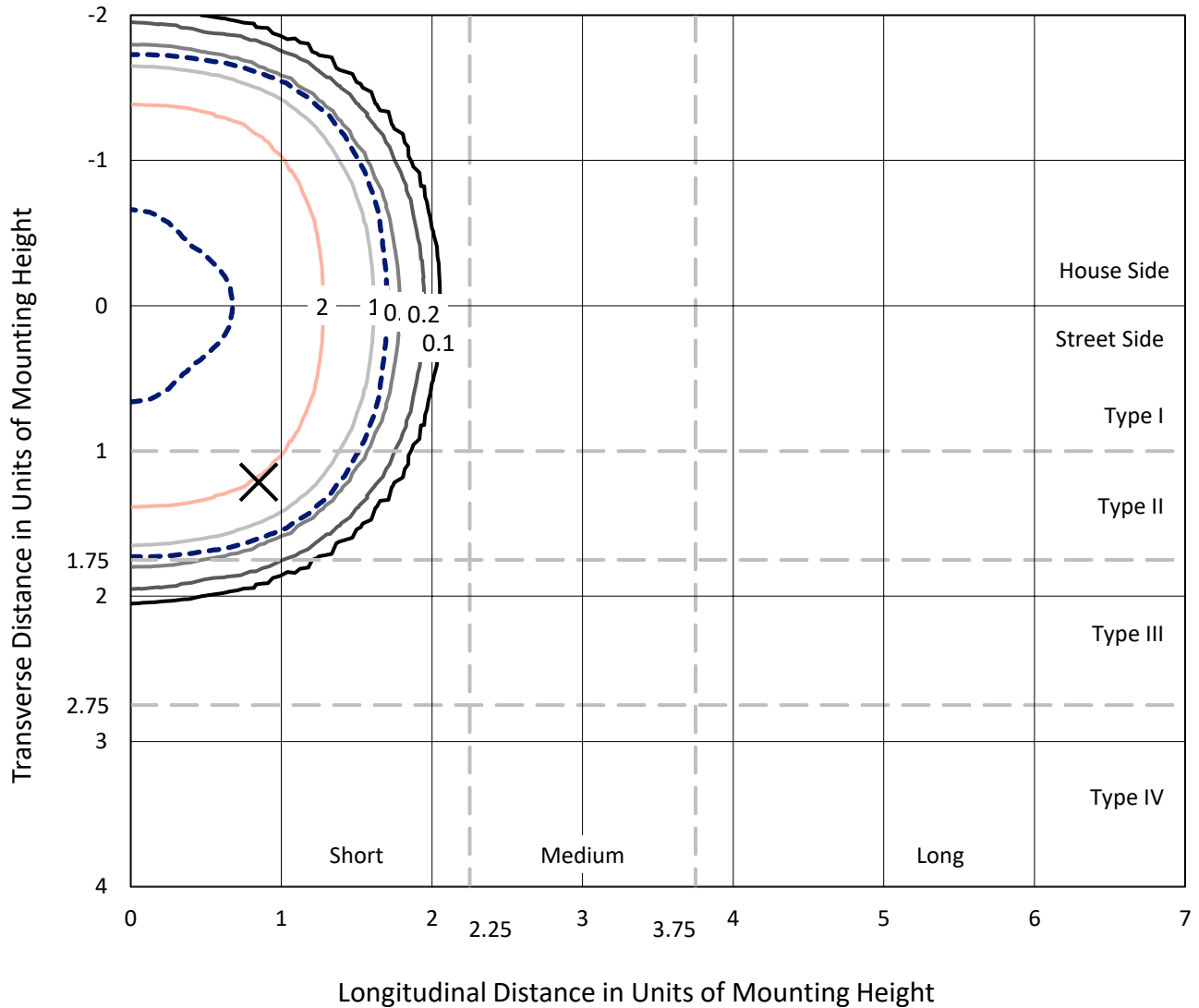
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

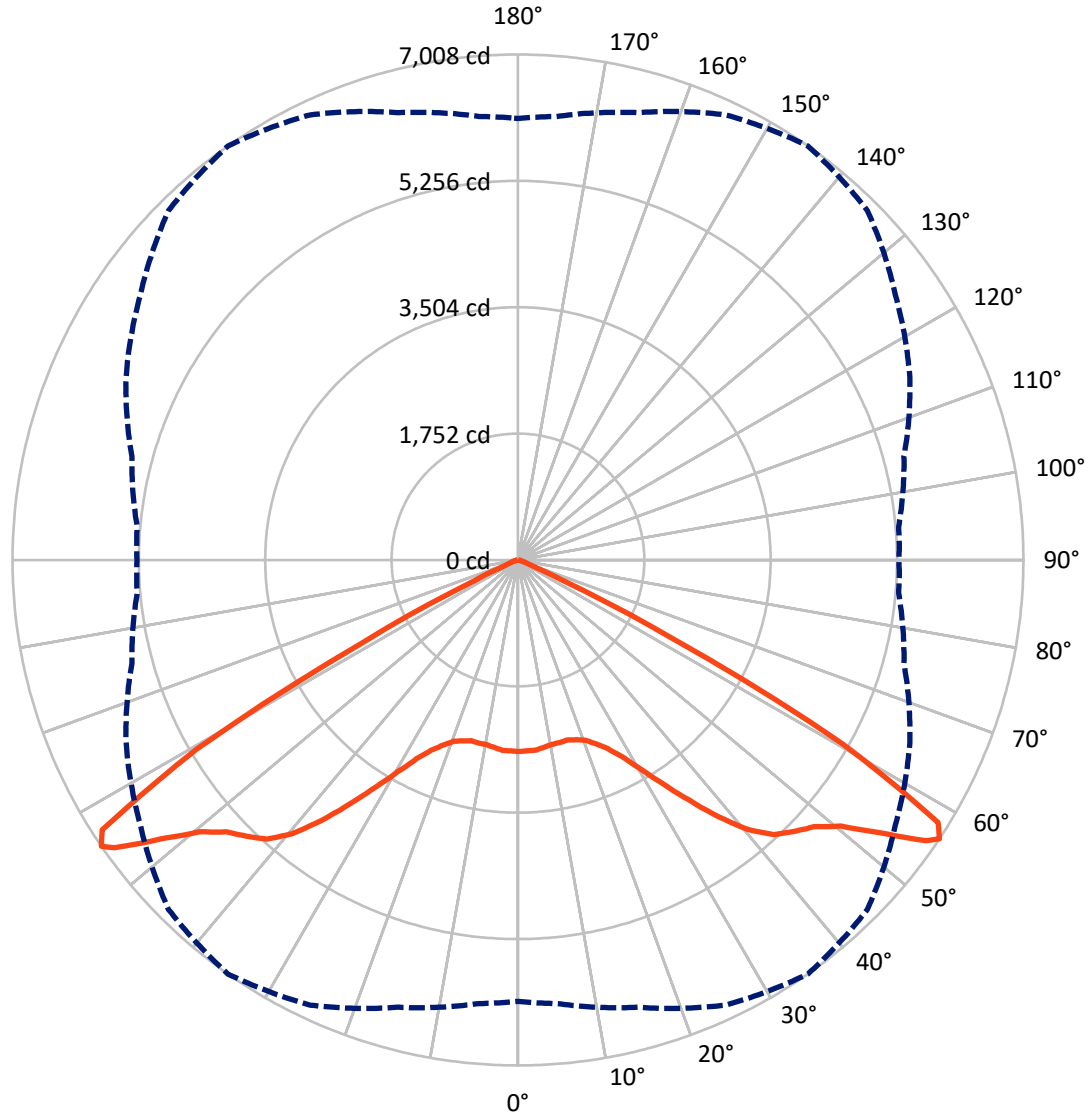
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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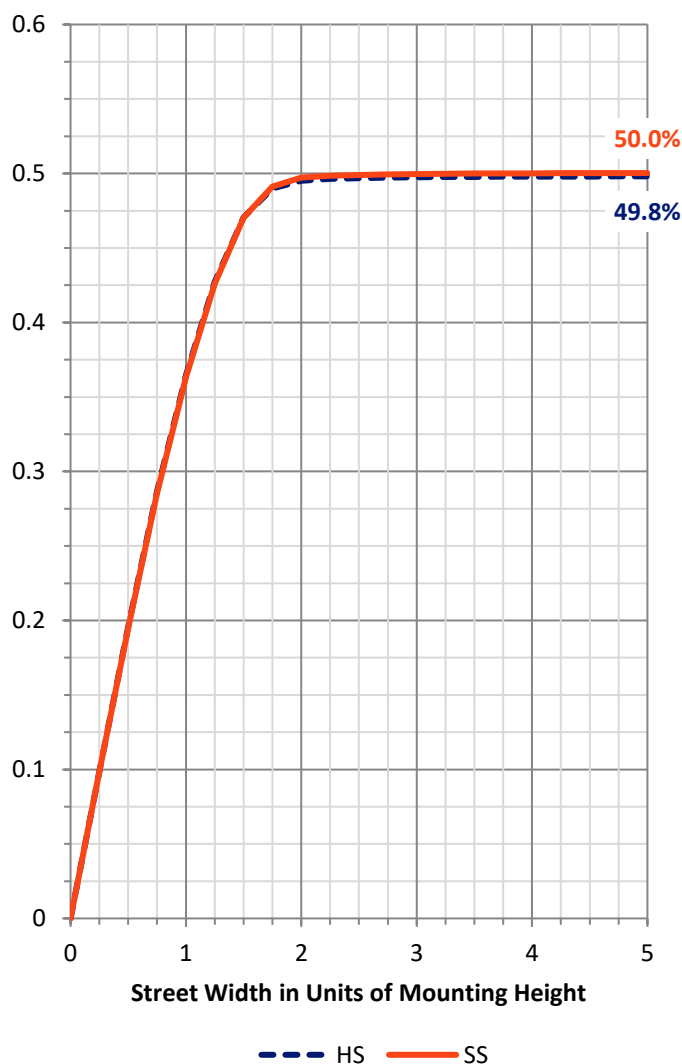
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7580.5	0.0	7580.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7580.5	0.0	7580.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15161.0	0.0	15161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.7	1.6
10°-20°	728.9	4.8
20°-30°	1320.0	8.7
30°-40°	2447.7	16.1
40°-50°	4017.8	26.5
50°-60°	5176.1	34.1
60°-70°	1140.8	7.5
70°-80°	66.2	0.4
80°-90°	13.9	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°	15161.0	100.0
0°-180°	15161.0	100.0

Coefficient of Utilization

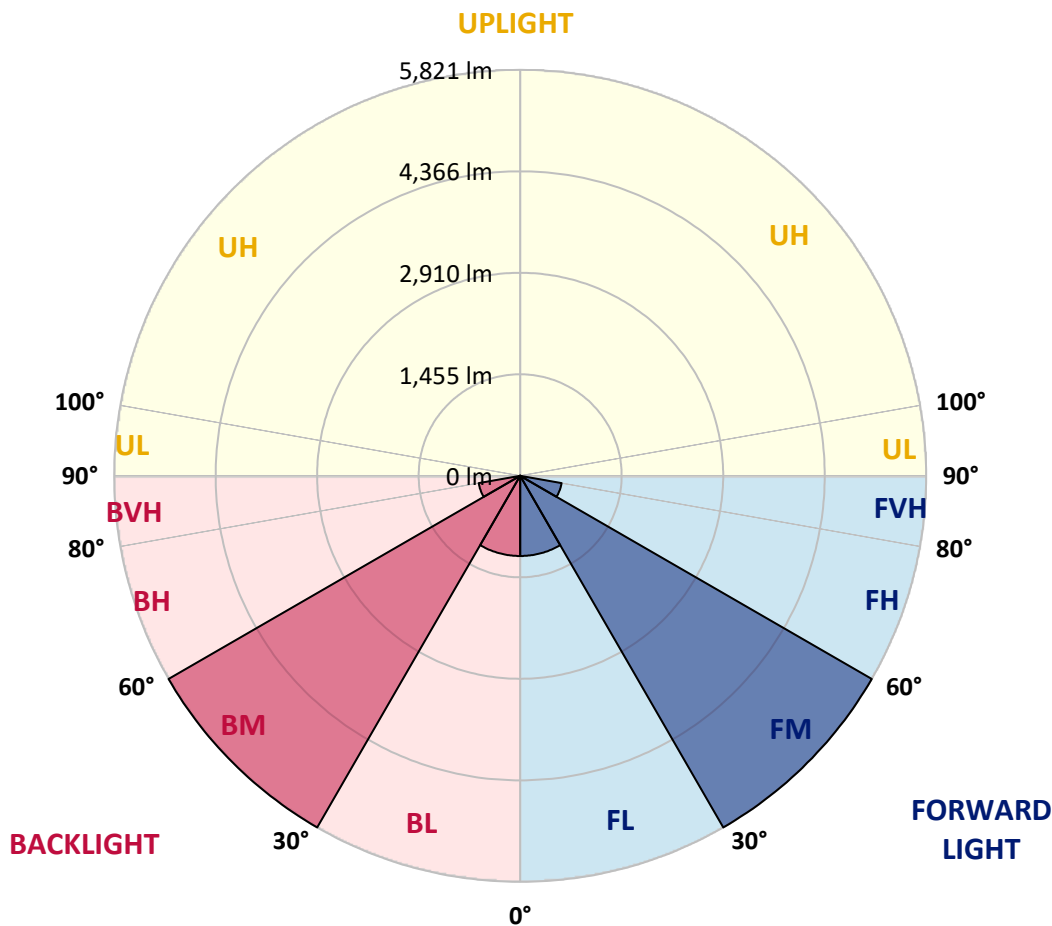


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.3	7.6			
FM (30°-60°)	5820.8	38.4			
FH (60°-80°)	603.5	4.0			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	1149.3	7.6	B3/2500		
BM (30°-60°)	5820.8	38.4	B4/8500		
BH (60°-80°)	603.5	4.0	B2/1000		G0/660
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5	2656.5
2.5°	2662.0	2662.0	2664.8	2667.5	2648.3	2640.1	2642.8	2637.3	2634.6	2642.8	2642.8
5°	2653.8	2653.8	2645.5	2648.3	2648.3	2623.6	2623.6	2629.1	2629.1	2612.6	2607.1
7.5°	2631.8	2626.3	2615.3	2629.1	2620.8	2620.8	2601.6	2587.9	2582.4	2593.3	2582.4
10°	2585.1	2587.9	2598.8	2604.3	2598.8	2615.3	2582.4	2563.1	2543.9	2535.7	2535.7
12.5°	2563.1	2579.6	2563.1	2576.9	2596.1	2582.4	2563.1	2549.4	2521.9	2510.9	2510.9
15°	2560.4	2571.4	2576.9	2596.1	2587.9	2593.3	2554.9	2538.4	2497.2	2478.0	2469.7
17.5°	2557.6	2571.4	2579.6	2615.3	2620.8	2623.6	2593.3	2543.9	2508.2	2489.0	2469.7
20°	2587.9	2593.3	2609.8	2645.5	2667.5	2706.0	2651.0	2598.8	2521.9	2499.9	2491.7
22.5°	2626.3	2653.8	2670.3	2708.7	2766.4	2799.4	2728.0	2662.0	2582.4	2554.9	2521.9
25°	2749.9	2744.4	2771.9	2851.6	2898.3	2923.0	2865.3	2769.2	2664.8	2631.8	2637.3
27.5°	2903.8	2909.3	2934.0	3021.9	3090.6	3129.1	3060.4	2934.0	2832.4	2777.4	2771.9
30°	3104.3	3098.8	3126.3	3244.4	3368.1	3425.7	3304.9	3156.5	3057.6	2986.2	3002.7
32.5°	3315.9	3318.6	3395.5	3502.7	3703.2	3815.8	3620.8	3439.5	3291.1	3241.7	3217.0
35°	3629.0	3642.8	3703.2	3868.0	4090.6	4236.2	4021.9	3804.9	3634.5	3543.9	3554.9
37.5°	4016.4	4002.7	4104.3	4282.9	4516.4	4623.5	4442.2	4195.0	4021.9	3961.4	3999.9
40°	4428.5	4442.2	4494.4	4656.5	4917.5	4988.9	4719.7	4585.1	4434.0	4403.7	4450.4
42.5°	4840.5	4832.3	4870.8	5016.4	5205.9	5156.5	4997.1	4917.5	4810.3	4749.9	4813.1
45°	5142.7	5129.0	5200.4	5299.3	5368.0	5274.6	5203.2	5175.7	5120.8	5054.8	5112.5
47.5°	5436.7	5425.7	5494.4	5521.9	5527.3	5403.7	5417.5	5466.9	5329.5	5192.2	5258.1
50°	5686.7	5667.5	5752.6	5813.1	5799.3	5601.5	5651.0	5601.5	5387.2	5225.2	5200.4
52.5°	6104.3	6112.5	6203.2	6313.0	6280.1	6115.2	6043.8	5818.5	5543.8	5398.2	5313.1
55°	6368.0	6326.8	6483.4	6832.3	6870.7	6700.4	6384.5	6052.1	5640.0	5461.4	5439.4
56°	6120.7	6172.9	6420.2	6810.3	7008.1	6851.5	6392.7	5994.4	5541.1	5299.3	5282.8
57.5°	5491.6	5464.2	5799.3	6332.3	6870.7	6804.8	6167.4	5582.3	5054.8	4782.9	4749.9
60°	3417.5	3497.2	3791.1	4450.4	5170.2	5203.2	4571.3	4068.6	3453.2	3211.5	3269.2
62.5°	1337.9	1269.2	1453.3	1945.0	2439.5	2549.4	2310.4	1920.3	1576.9	1337.9	1321.4
65°	310.4	302.2	340.7	469.8	656.6	761.0	722.5	519.2	381.9	362.6	335.2
67.5°	175.8	175.8	167.6	167.6	184.1	195.1	186.8	184.1	192.3	200.5	197.8
70°	123.6	120.9	115.4	118.1	112.6	112.6	120.9	134.6	145.6	145.6	148.3
72.5°	74.2	74.2	74.2	82.4	82.4	82.4	90.7	101.6	104.4	101.6	98.9
75°	33.0	33.0	38.5	46.7	52.2	54.9	63.2	68.7	74.2	68.7	63.2
77.5°	8.2	8.2	13.7	19.2	24.7	30.2	41.2	49.4	52.2	49.4	41.2
80°	2.7	2.7	5.5	13.7	24.7	30.2	41.2	44.0	46.7	41.2	33.0
82.5°	2.7	2.7	5.5	13.7	19.2	24.7	33.0	38.5	41.2	35.7	33.0
85°	0.0	2.7	5.5	11.0	16.5	22.0	22.0	16.5	13.7	8.2	11.0
87.5°	0.0	0.0	2.7	2.7	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)