

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: P528850

Luminaire Tested: **GALN-SA4A-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528850  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4A-727-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12836 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

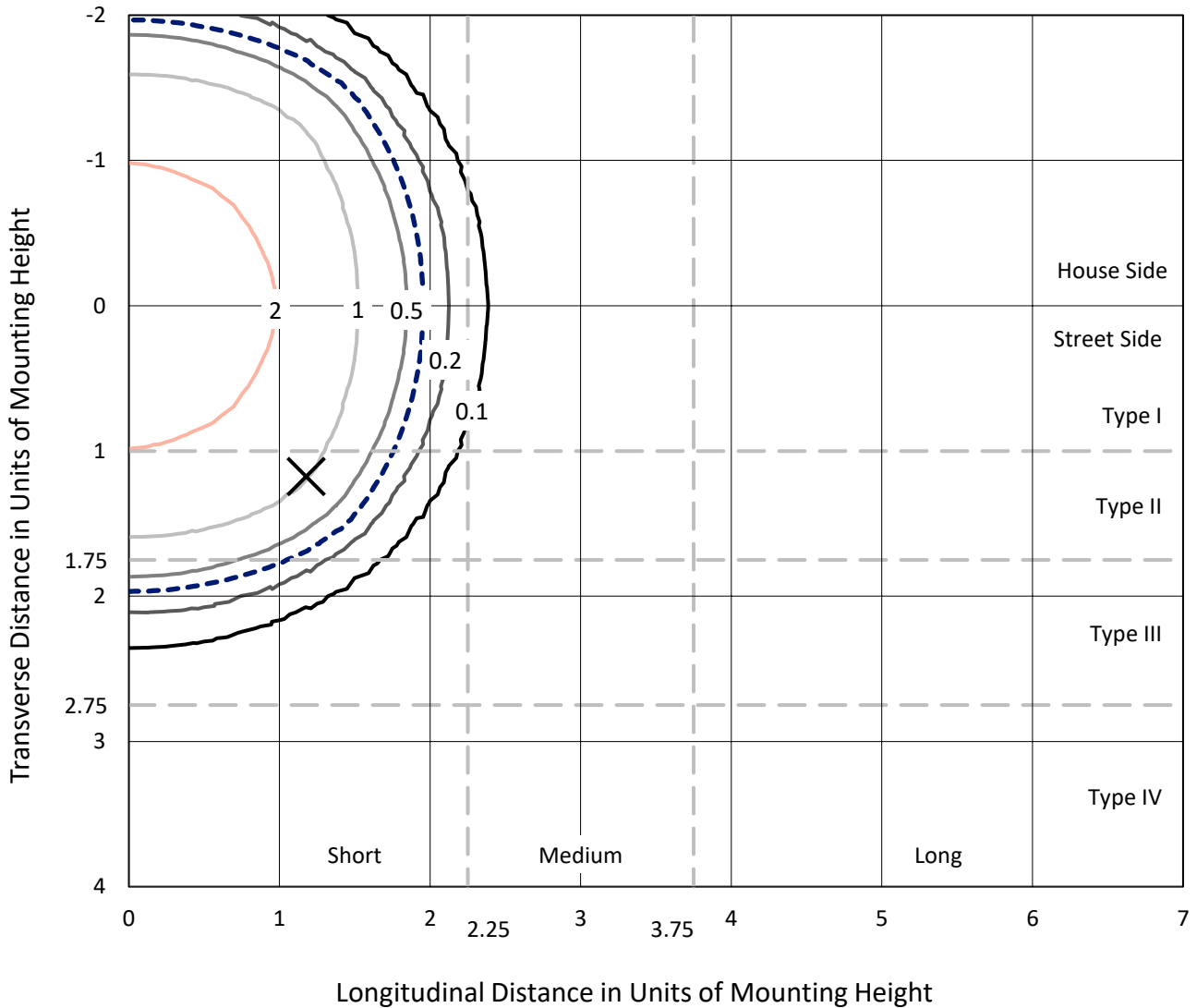
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528850  
 CATALOG NUMBER: GALN-SA4A-727-U-5WQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

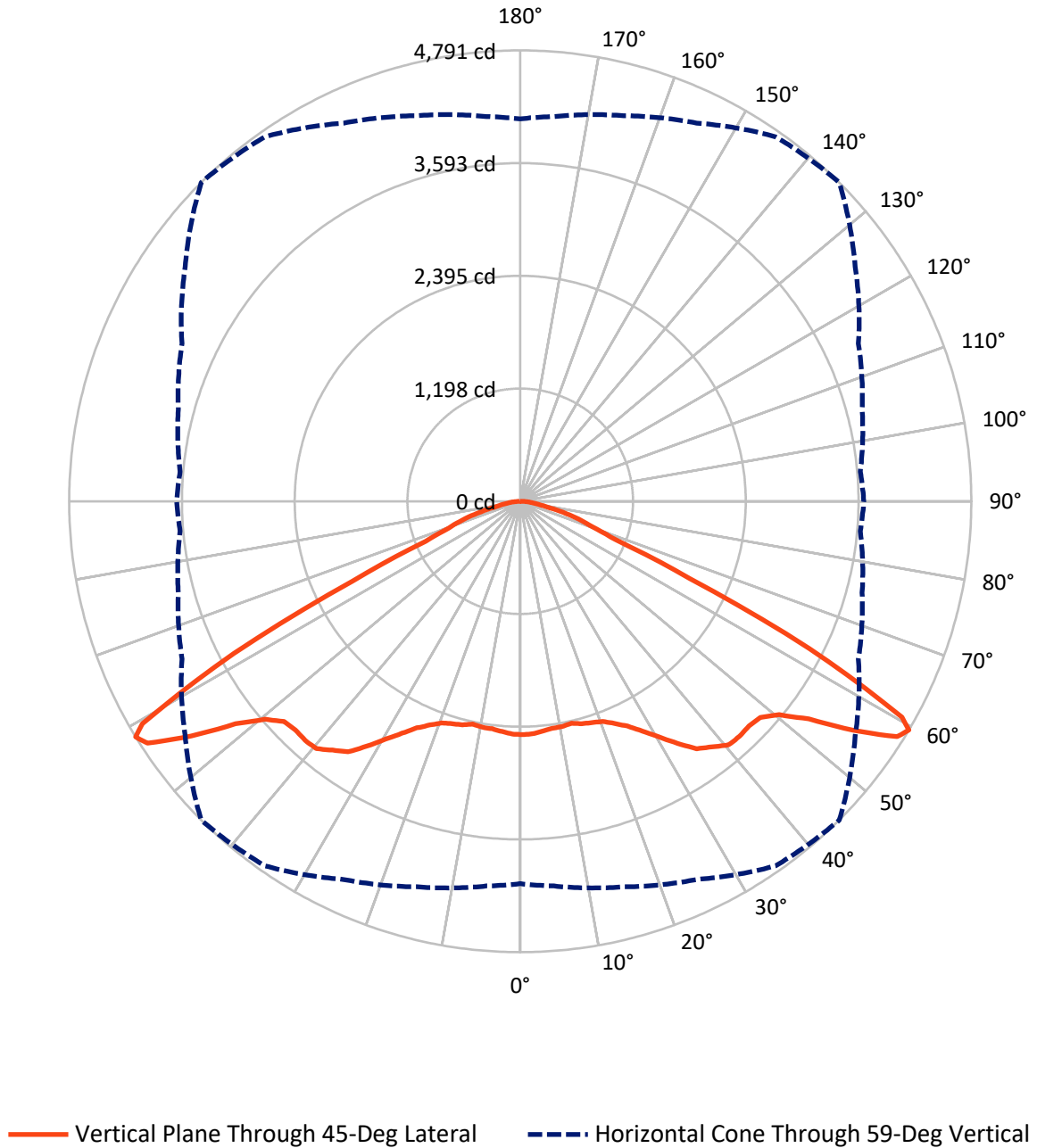
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

REPORT NUMBER: P528850  
CATALOG NUMBER: GALN-SA4A-727-U-5WQ-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P528850  
 CATALOG NUMBER: GALN-SA4A-727-U-5WQ-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6418.0	0.0	6418.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6418.0	0.0	6418.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12836.0	0.0	12836.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.7	1.8
10°-20°	695.0	5.4
20°-30°	1213.6	9.5
30°-40°	1938.3	15.1
40°-50°	2640.4	20.6
50°-60°	3570.5	27.8
60°-70°	1958.1	15.3
70°-80°	500.9	3.9
80°-90°	85.4	0.7
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°	12836.0	100.0
0°-180°	12836.0	100.0

**Coefficient of Utilization**

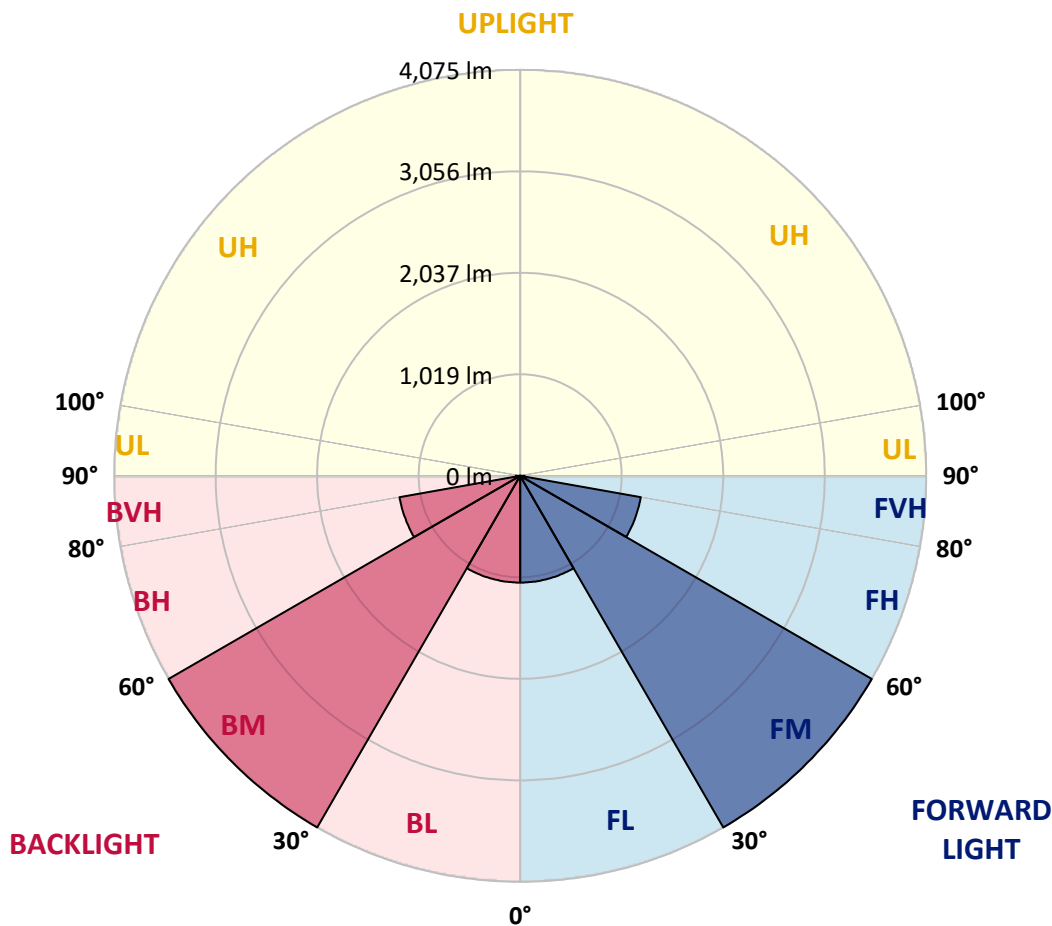


REPORT NUMBER: P528850  
 CATALOG NUMBER: GALN-SA4A-727-U-5WQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1071.2	8.3			
FM (30°-60°)	4074.6	31.7			
FH (60°-80°)	1229.5	9.6			G1/1800
FVH (80°-90°)	42.7	0.3			G1/100
BL (0°-30°)	1071.2	8.3	B3/2500		
BM (30°-60°)	4074.6	31.7	B3/5000		
BH (60°-80°)	1229.5	9.6	B3/2500		G1/1800
BVH (80°-90°)	42.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type V Short





REPORT NUMBER: P528850

CATALOG NUMBER: GALN-SA4A-727-U-5WQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2479.3	2479.3	2479.3	2479.3	2479.3	2479.3	2479.3	2479.3	2479.3	2479.3	2479.3
2.5°	2464.5	2482.6	2469.4	2480.9	2479.3	2474.4	2466.1	2461.2	2454.6	2464.5	2448.0
5°	2454.6	2469.4	2484.2	2464.5	2464.5	2454.6	2449.7	2439.8	2439.8	2438.2	2436.5
7.5°	2471.1	2456.3	2449.7	2453.0	2456.3	2434.9	2449.7	2429.9	2413.5	2425.0	2438.2
10°	2456.3	2462.8	2438.2	2449.7	2431.6	2434.9	2425.0	2438.2	2420.1	2420.1	2420.1
12.5°	2471.1	2453.0	2461.2	2453.0	2448.0	2420.1	2433.2	2418.4	2416.8	2433.2	2418.4
15°	2500.7	2471.1	2464.5	2448.0	2453.0	2453.0	2439.8	2441.5	2423.4	2433.2	2436.5
17.5°	2490.8	2474.4	2469.4	2449.7	2466.1	2471.1	2446.4	2429.9	2441.5	2439.8	2438.2
20°	2499.0	2505.6	2500.7	2504.0	2510.6	2497.4	2474.4	2451.3	2436.5	2457.9	2456.3
22.5°	2551.7	2545.1	2541.8	2538.5	2550.0	2563.2	2531.9	2495.8	2495.8	2510.6	2517.1
25°	2594.5	2592.8	2591.2	2606.0	2645.5	2645.5	2606.0	2559.9	2548.4	2558.3	2550.0
27.5°	2657.0	2675.1	2668.5	2694.8	2752.4	2765.6	2712.9	2658.6	2627.4	2615.9	2630.7
30°	2800.1	2778.7	2783.7	2811.6	2862.6	2905.4	2824.8	2767.2	2724.4	2722.8	2729.4
32.5°	2895.5	2912.0	2926.8	2953.1	3033.7	3066.6	2969.6	2875.8	2849.5	2834.7	2839.6
35°	3086.4	3071.6	3068.3	3094.6	3175.2	3229.5	3107.8	3025.5	2991.0	3023.9	3023.9
37.5°	3267.3	3226.2	3195.0	3229.5	3303.5	3310.1	3206.5	3162.1	3144.0	3181.8	3180.2
40°	3352.9	3349.6	3277.2	3297.0	3395.7	3405.5	3308.5	3255.8	3252.5	3301.9	3351.3
42.5°	3441.7	3410.5	3338.1	3351.3	3412.1	3415.4	3323.3	3308.5	3344.7	3392.4	3395.7
45°	3456.5	3430.2	3384.2	3351.3	3395.7	3405.5	3351.3	3361.1	3364.4	3422.0	3422.0
47.5°	3486.2	3482.9	3456.5	3431.9	3440.1	3431.9	3397.3	3412.1	3461.5	3489.4	3476.3
50°	3568.4	3533.9	3560.2	3538.8	3540.4	3563.5	3532.2	3547.0	3537.2	3512.5	3496.0
52.5°	3749.4	3732.9	3756.0	3770.8	3787.2	3839.9	3803.7	3724.7	3650.7	3584.9	3583.2
55°	4014.3	4025.8	4070.2	4145.9	4210.0	4293.9	4119.6	3930.4	3811.9	3708.3	3714.8
57.5°	4264.3	4256.1	4317.0	4489.7	4677.3	4720.1	4377.9	4108.0	3915.6	3849.7	3821.8
59°	4063.6	4103.1	4241.3	4433.8	4728.3	4790.8	4343.3	3963.3	3759.3	3626.0	3649.0
60°	3747.7	3762.5	3885.9	4154.1	4552.2	4659.2	4111.3	3739.5	3468.1	3390.7	3425.3
62.5°	2648.8	2637.2	2726.1	2944.9	3301.9	3446.7	3056.8	2795.2	2624.1	2538.5	2558.3
65°	1408.3	1460.9	1497.1	1633.7	1822.9	1975.9	1814.6	1701.1	1605.7	1535.0	1533.3
67.5°	950.9	944.3	952.6	983.8	1048.0	1090.8	1087.5	1029.9	1021.7	1008.5	1023.3
70°	801.2	797.9	783.1	783.1	796.3	806.1	817.7	824.2	837.4	853.9	852.2
72.5°	649.9	641.6	631.8	626.8	643.3	648.2	663.0	669.6	681.1	679.5	694.3
75°	429.4	429.4	440.9	454.1	459.0	468.9	470.5	490.3	490.3	493.6	480.4
77.5°	240.2	233.6	241.8	255.0	266.5	284.6	302.7	317.5	325.7	322.5	322.5
80°	139.8	139.8	148.1	162.9	177.7	194.1	207.3	218.8	227.0	223.7	217.2
82.5°	87.2	87.2	95.4	110.2	121.7	131.6	149.7	164.5	174.4	171.1	162.9
85°	44.4	44.4	54.3	64.2	79.0	85.5	83.9	77.3	75.7	67.5	67.5
87.5°	11.5	11.5	16.5	18.1	14.8	16.5	16.5	16.5	16.5	16.5	18.1
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)