

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: P533529

Luminaire Tested: **GALN-SA9A-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9A-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18085 lumens
Efficiency: N/A
Efficacy: 66.0 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

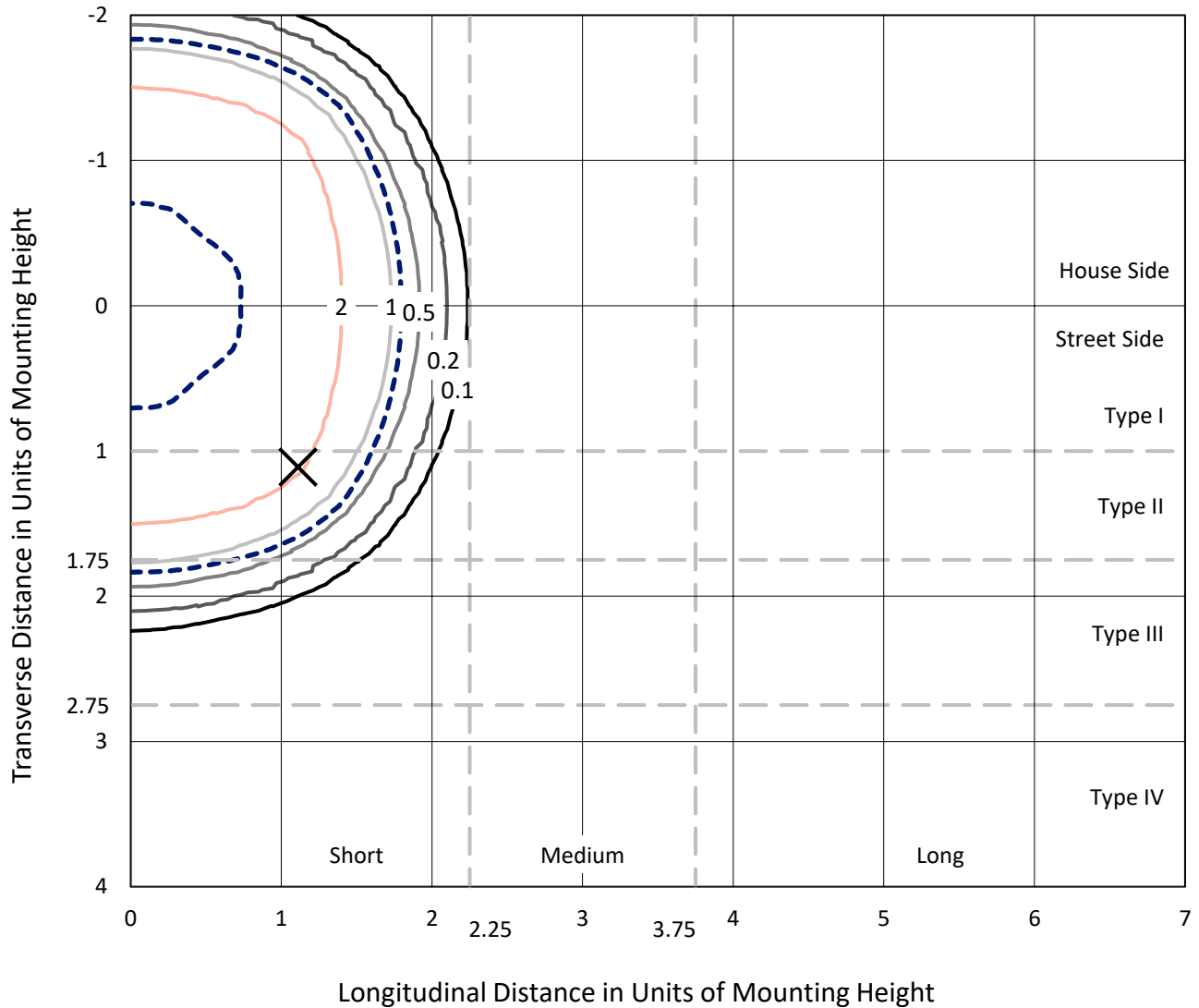
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533529
 CATALOG NUMBER: GALN-SA9A-727-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

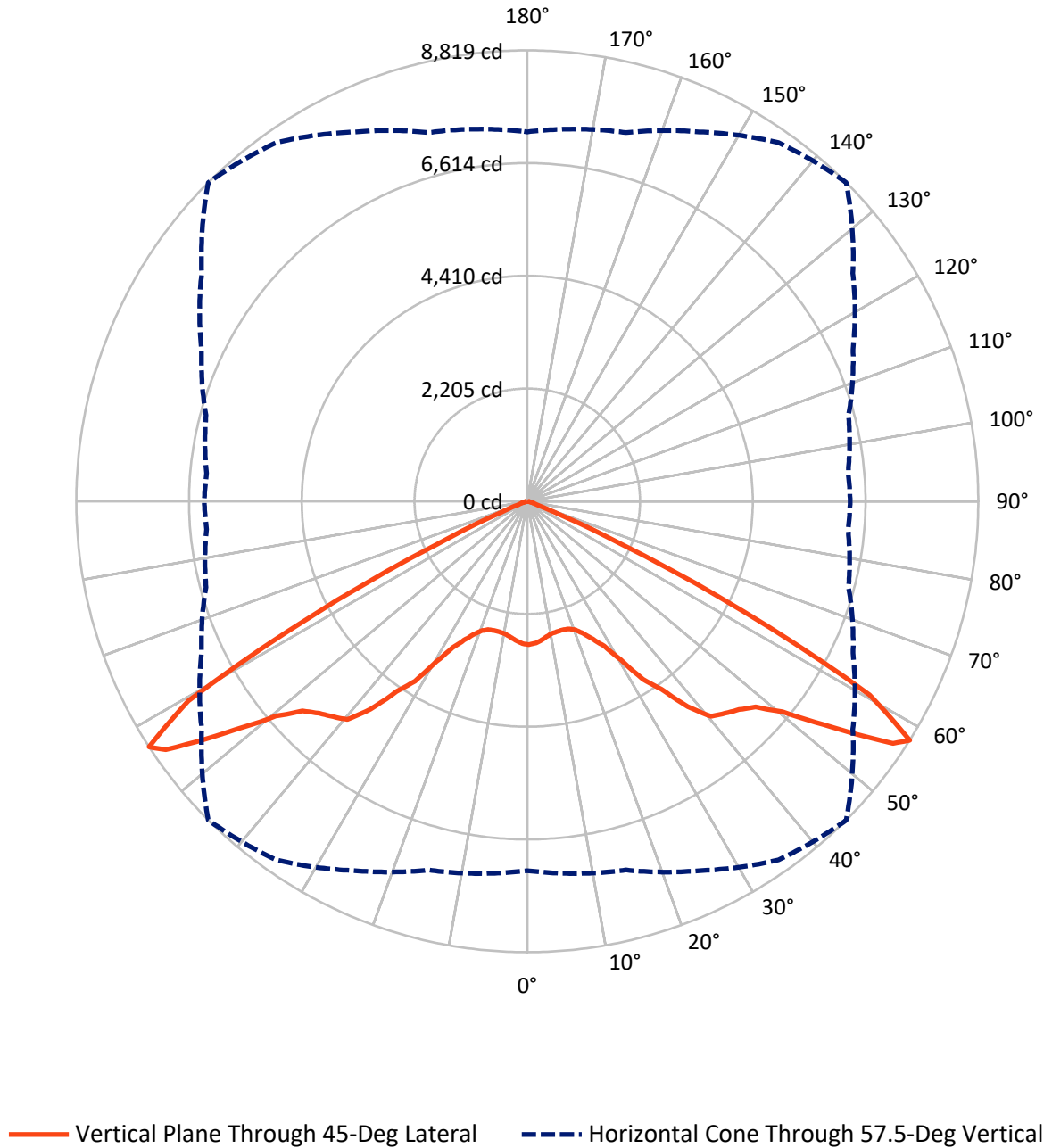
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P533529
CATALOG NUMBER: GALN-SA9A-727-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P533529
 CATALOG NUMBER: GALN-SA9A-727-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9042.5	0.0	9042.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9042.5	0.0	9042.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18085.0	0.0	18085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	1.4
10°-20°	745.1	4.1
20°-30°	1375.4	7.6
30°-40°	2704.8	15.0
40°-50°	4405.4	24.4
50°-60°	6282.7	34.7
60°-70°	2175.2	12.0
70°-80°	116.7	0.6
80°-90°	21.9	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°	18085.0	100.0
0°-180°	18085.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533529

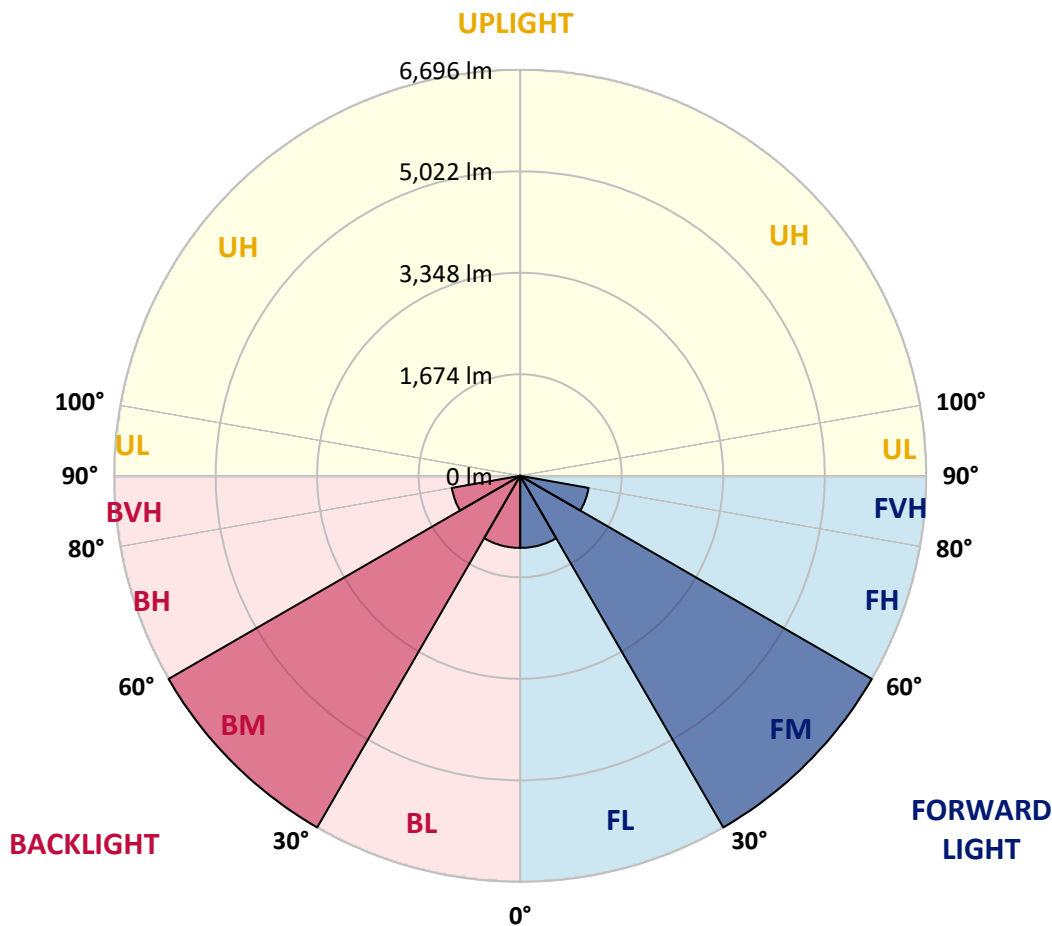
CATALOG NUMBER: GALN-SA9A-727-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1189.1	6.6			
FM (30°-60°)	6696.5	37.0			
FH (60°-80°)	1146.0	6.3			G1/1800
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	1189.1	6.6	B3/2500		
BM (30°-60°)	6696.5	37.0	B4/8500		
BH (60°-80°)	1146.0	6.3	B3/2500		G1/1800
BVH (80°-90°)	11.0	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





REPORT NUMBER: P533529

CATALOG NUMBER: GALN-SA9A-727-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2805.2	2805.2	2805.2	2805.2	2805.2	2805.2	2805.2	2805.2	2805.2	2805.2	2805.2
2.5°	2797.6	2812.7	2793.9	2786.3	2782.6	2782.6	2771.2	2771.2	2767.5	2771.2	2756.2
5°	2752.4	2767.5	2767.5	2763.7	2741.1	2737.3	2726.0	2718.5	2722.2	2707.1	2718.5
7.5°	2707.1	2718.5	2703.4	2699.6	2692.1	2677.0	2673.2	2639.3	2643.0	2643.0	2650.6
10°	2699.6	2695.8	2673.2	2654.4	2631.7	2628.0	2616.7	2609.1	2609.1	2605.3	2616.7
12.5°	2699.6	2680.7	2677.0	2635.5	2597.8	2612.9	2582.7	2563.9	2590.3	2597.8	2612.9
15°	2695.8	2714.7	2650.6	2631.7	2605.3	2609.1	2582.7	2563.9	2578.9	2586.5	2597.8
17.5°	2718.5	2707.1	2688.3	2650.6	2639.3	2624.2	2590.3	2575.2	2575.2	2594.0	2597.8
20°	2778.8	2748.6	2710.9	2692.1	2703.4	2684.5	2643.0	2586.5	2601.6	2616.7	2628.0
22.5°	2835.3	2812.7	2786.3	2775.0	2839.1	2808.9	2737.3	2673.2	2650.6	2677.0	2695.8
25°	2944.7	2944.7	2895.7	2910.7	2982.4	2986.2	2903.2	2790.1	2775.0	2786.3	2793.9
27.5°	3167.1	3178.4	3137.0	3152.0	3182.2	3208.6	3137.0	3042.7	3008.8	3005.0	3016.3
30°	3408.4	3431.1	3427.3	3491.4	3578.1	3593.2	3487.6	3333.0	3231.2	3212.4	3227.5
32.5°	3725.1	3736.5	3728.9	3804.3	4038.1	4147.4	3872.2	3653.5	3517.8	3551.7	3517.8
35°	4320.9	4309.6	4226.6	4241.7	4434.0	4513.2	4249.2	4109.7	4045.6	4113.5	4098.4
37.5°	4833.6	4792.2	4724.3	4822.3	5022.2	5093.8	4818.6	4573.5	4456.6	4569.7	4618.7
40°	5267.2	5161.7	5067.4	5165.4	5433.1	5531.2	5127.7	4927.9	4882.7	4965.6	5071.2
42.5°	5633.0	5565.1	5440.7	5448.2	5625.4	5670.7	5346.4	5229.5	5184.3	5316.3	5369.0
45°	5893.1	5829.0	5712.1	5704.6	5840.3	5810.2	5519.9	5440.7	5467.1	5553.8	5580.2
47.5°	6025.1	6059.0	5991.2	6010.0	6081.6	6010.0	5780.0	5780.0	5719.7	5772.5	5746.1
50°	6405.9	6300.3	6387.0	6387.0	6462.5	6470.0	6240.0	6157.1	5994.9	5904.4	5904.4
52.5°	6850.8	6858.3	6892.3	7016.7	7144.9	7254.2	6926.2	6571.8	6300.3	6183.4	6168.4
55°	7216.5	7291.9	7427.7	7661.4	8030.9	8181.8	7616.2	6982.8	6651.0	6470.0	6432.3
56°	7416.4	7344.7	7578.5	7899.0	8381.6	8577.6	7729.3	7065.7	6700.0	6496.4	6492.6
57.5°	7224.1	7303.3	7465.4	7970.6	8562.6	8819.0	7770.8	7028.0	6503.9	6296.6	6315.4
60°	5704.6	5780.0	5998.7	6564.3	7491.8	7691.6	6575.6	5795.1	5327.6	5029.7	5033.5
62.5°	3227.5	3284.0	3453.7	3977.8	4554.6	4746.9	4098.4	3578.1	3253.8	3088.0	3035.2
65°	1187.7	1165.1	1191.4	1459.1	1813.6	1975.7	1704.2	1440.3	1270.6	1210.3	1187.7
67.5°	444.9	411.0	384.6	411.0	516.5	546.7	501.5	418.5	392.1	403.4	411.0
70°	275.2	260.2	207.4	196.1	192.3	188.5	199.8	211.1	241.3	282.8	290.3
72.5°	192.3	181.0	147.0	139.5	132.0	128.2	147.0	162.1	188.5	218.7	222.5
75°	75.4	79.2	75.4	82.9	86.7	90.5	105.6	116.9	128.2	128.2	124.4
77.5°	15.1	15.1	22.6	30.2	37.7	49.0	71.6	82.9	86.7	82.9	71.6
80°	0.0	0.0	7.5	15.1	30.2	41.5	64.1	71.6	79.2	71.6	56.6
82.5°	0.0	0.0	7.5	18.9	30.2	37.7	60.3	75.4	86.7	79.2	60.3
85°	0.0	0.0	7.5	15.1	22.6	26.4	26.4	18.9	18.9	11.3	7.5
87.5°	0.0	0.0	0.0	0.0	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)