

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: P528386

Luminaire Tested: **GALN-SA3C-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528386  
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-SA3C-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 1050mA 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: 15380 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

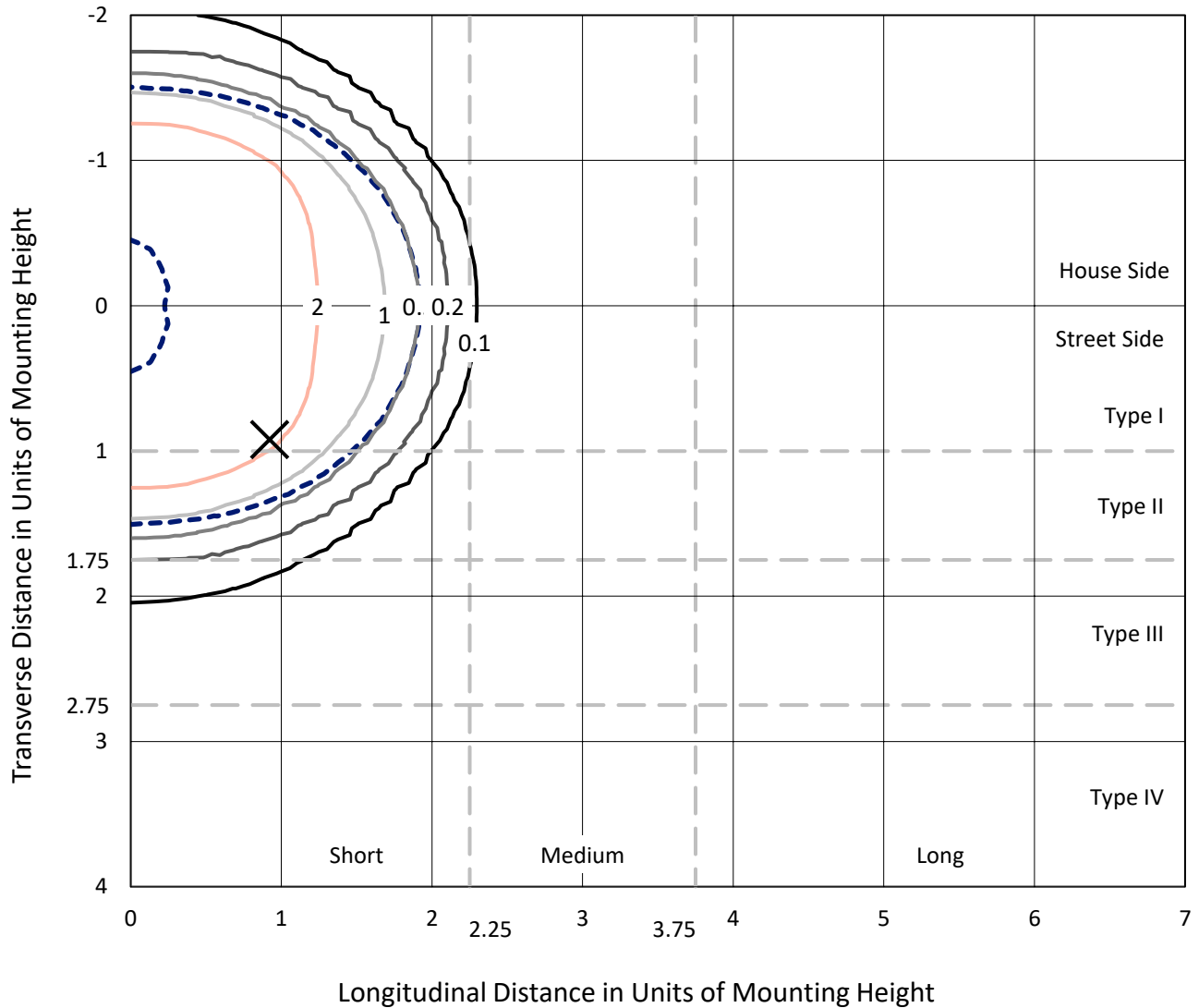
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528386  
 CATALOG NUMBER: GALN-SA3C-727-U-RW-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

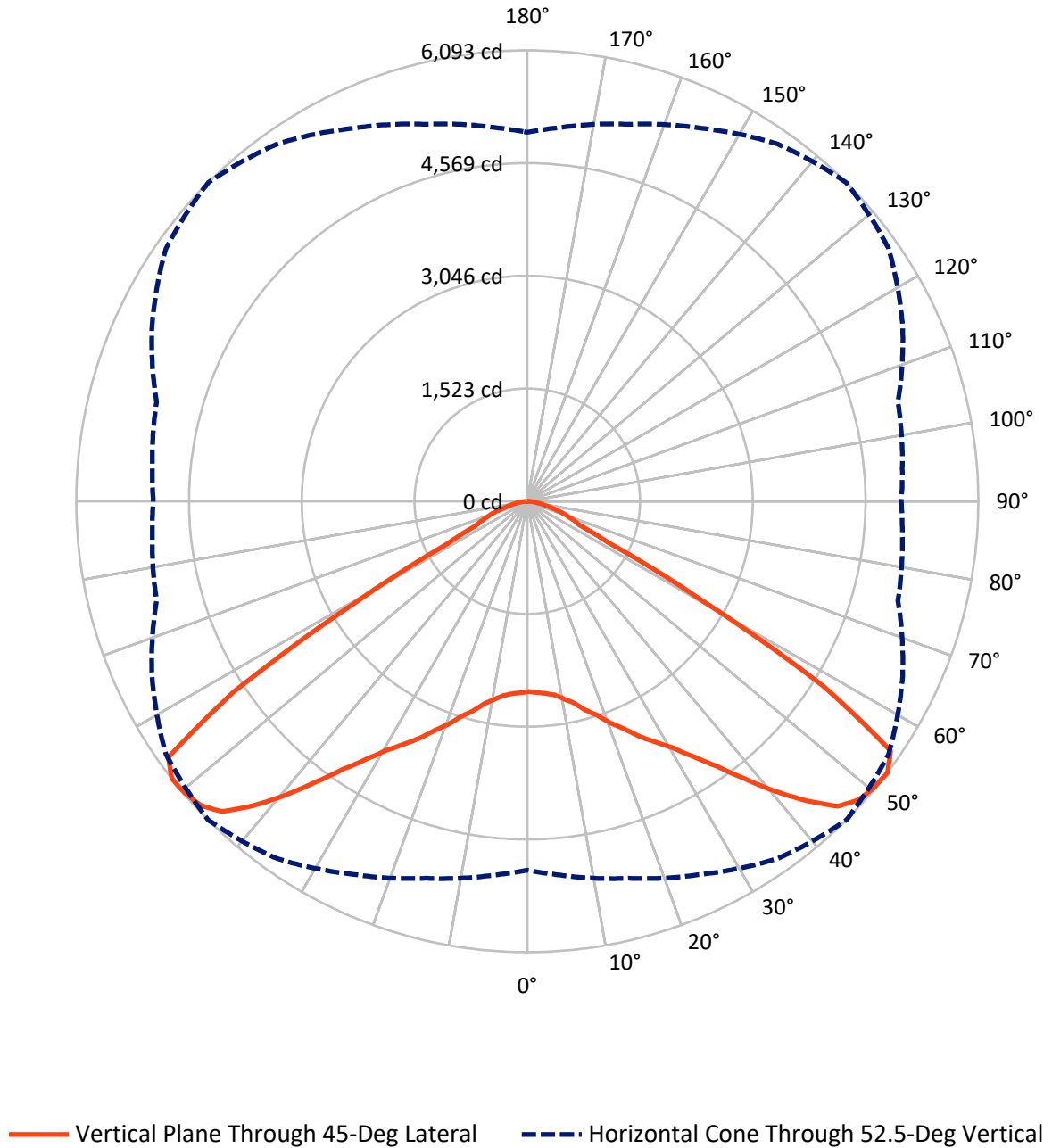
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P528386  
CATALOG NUMBER: GALN-SA3C-727-U-RW-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P528386  
 CATALOG NUMBER: GALN-SA3C-727-U-RW-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7690.0	0.0	7690.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7690.0	0.0	7690.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15380.0	0.0	15380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.6	1.6
10°-20°	830.0	5.4
20°-30°	1580.2	10.3
30°-40°	2713.3	17.6
40°-50°	4170.4	27.1
50°-60°	4235.0	27.5
60°-70°	1180.2	7.7
70°-80°	348.2	2.3
80°-90°	70.1	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°	15380.0	100.0
0°-180°	15380.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P528386

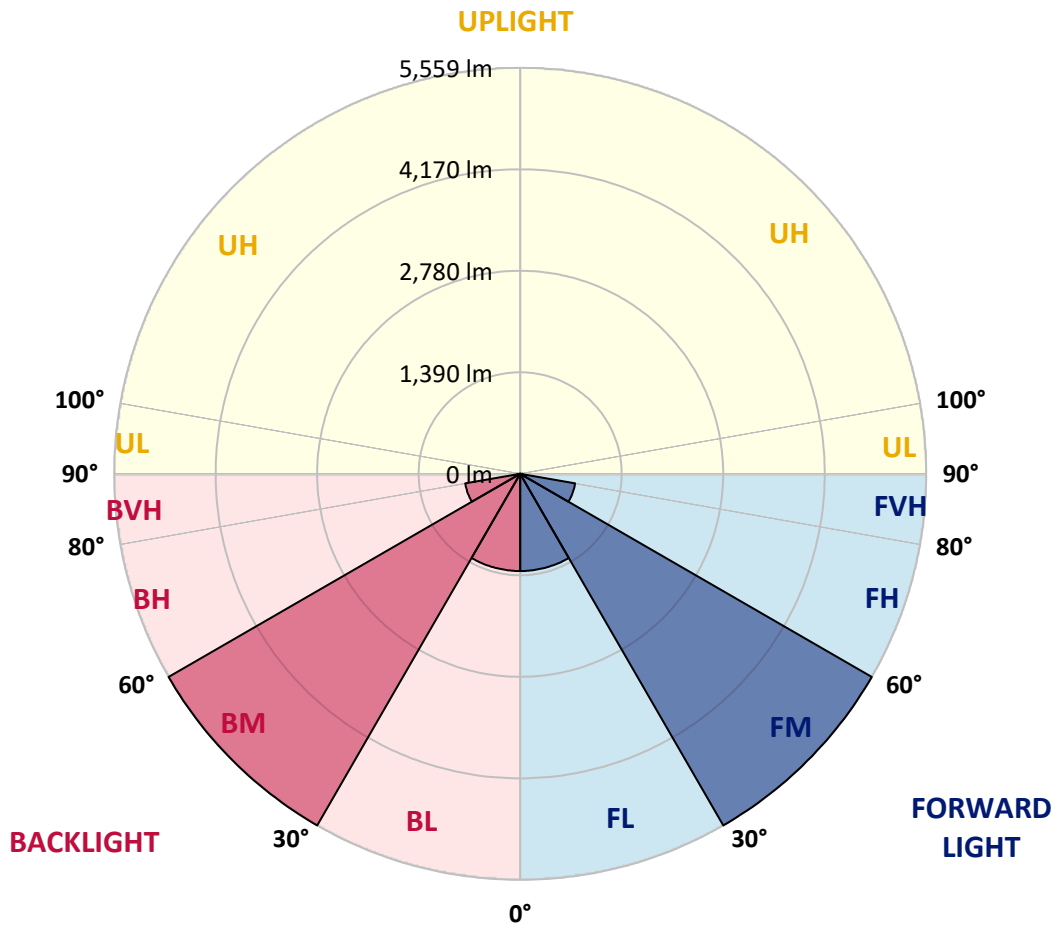
CATALOG NUMBER: GALN-SA3C-727-U-RW-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1331.4	8.7			
FM (30°-60°)	5559.4	36.1			
FH (60°-80°)	764.2	5.0			G1/1800
FVH (80°-90°)	35.1	0.2			G1/100
BL (0°-30°)	1331.4	8.7	B3/2500		
BM (30°-60°)	5559.4	36.1	B4/8500		
BH (60°-80°)	764.2	5.0	B2/1000		G1/1800
BVH (80°-90°)	35.1	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





REPORT NUMBER: P528386

CATALOG NUMBER: GALN-SA3C-727-U-RW-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2571.0	2571.0	2571.0	2571.0	2571.0	2571.0	2571.0	2571.0	2571.0	2571.0	2571.0
2.5°	2576.7	2550.0	2559.5	2565.2	2590.1	2588.1	2582.4	2590.1	2597.7	2599.6	2595.8
5°	2574.8	2555.7	2563.3	2569.1	2593.9	2607.2	2603.4	2635.9	2658.8	2653.0	2681.7
7.5°	2559.5	2571.0	2561.4	2590.1	2611.1	2643.5	2677.9	2708.4	2737.0	2769.5	2775.2
10°	2593.9	2593.9	2611.1	2634.0	2689.3	2714.1	2763.7	2807.6	2863.0	2901.2	2885.9
12.5°	2630.1	2635.9	2635.9	2695.0	2740.8	2796.2	2842.0	2901.2	2979.4	3025.2	3048.1
15°	2666.4	2670.2	2689.3	2769.5	2838.2	2926.0	2968.0	3021.4	3065.3	3151.2	3153.1
17.5°	2698.9	2719.8	2777.1	2866.8	2952.7	3036.7	3103.5	3158.8	3197.0	3231.4	3223.7
20°	2821.0	2836.3	2895.4	2985.1	3113.0	3195.1	3218.0	3227.5	3252.4	3321.1	3300.1
22.5°	2939.3	2945.1	3000.4	3137.8	3227.5	3336.3	3361.2	3355.4	3365.0	3382.2	3412.7
25°	3061.5	3071.0	3147.4	3263.8	3389.8	3519.6	3540.6	3496.7	3483.3	3502.4	3504.3
27.5°	3218.0	3219.9	3317.3	3418.4	3561.6	3683.7	3716.2	3681.8	3618.8	3634.1	3658.9
30°	3416.5	3403.1	3500.5	3645.5	3796.3	3865.0	3920.4	3903.2	3834.5	3821.1	3800.1
32.5°	3645.5	3649.4	3737.2	3895.6	3994.8	4109.4	4168.5	4139.9	4096.0	4073.1	4086.4
35°	3968.1	3985.3	4044.5	4176.2	4336.5	4393.7	4487.3	4426.2	4311.7	4340.3	4365.1
37.5°	4233.4	4283.0	4393.7	4550.3	4645.7	4750.7	4785.0	4702.9	4619.0	4584.6	4666.7
40°	4640.0	4624.7	4746.8	4903.4	5044.6	5149.6	5105.7	5023.6	4815.6	4817.5	4840.4
42.5°	4989.2	4996.9	5090.4	5277.5	5470.2	5535.1	5395.8	5195.4	4964.4	4939.6	4989.2
45°	5283.2	5313.7	5367.2	5617.2	5806.2	5876.8	5619.1	5382.4	5073.2	4970.2	5052.2
47.5°	5388.2	5437.8	5554.2	5783.3	5970.3	6027.6	5821.4	5481.7	5174.4	5006.4	5050.3
50°	5403.4	5386.2	5577.1	5787.1	5951.2	6075.3	5894.0	5554.2	5149.6	5061.8	5048.4
52.5°	4985.4	5069.4	5273.6	5561.8	5894.0	6092.5	5958.8	5594.3	5183.9	5084.7	5052.2
55°	4034.9	3935.7	4307.9	4792.7	5403.4	5955.0	5935.9	5615.3	5204.9	5122.9	5079.0
57.5°	2252.2	2280.9	2490.8	3017.6	3805.9	4722.0	5277.5	5393.9	5195.4	5147.7	5170.6
60°	1042.1	1051.7	1141.4	1387.6	1876.2	2677.9	3408.9	4151.3	4493.0	4561.7	4561.7
62.5°	776.8	773.0	795.9	839.8	942.9	1231.1	1643.4	2233.1	2702.7	3031.0	3116.8
65°	702.4	700.5	711.9	727.2	734.8	774.9	866.5	1047.9	1200.5	1288.3	1273.1
67.5°	614.6	612.7	616.5	626.0	639.4	660.4	683.3	721.5	774.9	771.1	761.6
70°	496.3	496.3	502.0	509.6	524.9	549.7	576.4	603.1	648.9	658.5	656.6
72.5°	366.5	360.7	372.2	387.5	402.7	433.3	461.9	486.7	519.2	528.7	524.9
75°	232.9	236.7	244.3	261.5	288.2	309.2	339.7	360.7	381.7	389.4	391.3
77.5°	129.8	133.6	147.0	168.0	194.7	217.6	244.3	261.5	274.8	276.8	278.7
80°	78.3	80.2	93.5	112.6	135.5	160.3	181.3	198.5	210.0	204.2	202.3
82.5°	47.7	49.6	61.1	78.3	97.3	116.4	139.3	154.6	166.1	158.4	150.8
85°	24.8	26.7	36.3	47.7	63.0	72.5	72.5	64.9	63.0	59.2	57.3
87.5°	7.6	7.6	9.5	11.5	9.5	11.5	13.4	15.3	15.3	17.2	15.3
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)