

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: P531653

Luminaire Tested: **GALN-SA7A-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531653
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-SA7A-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 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: 15987 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

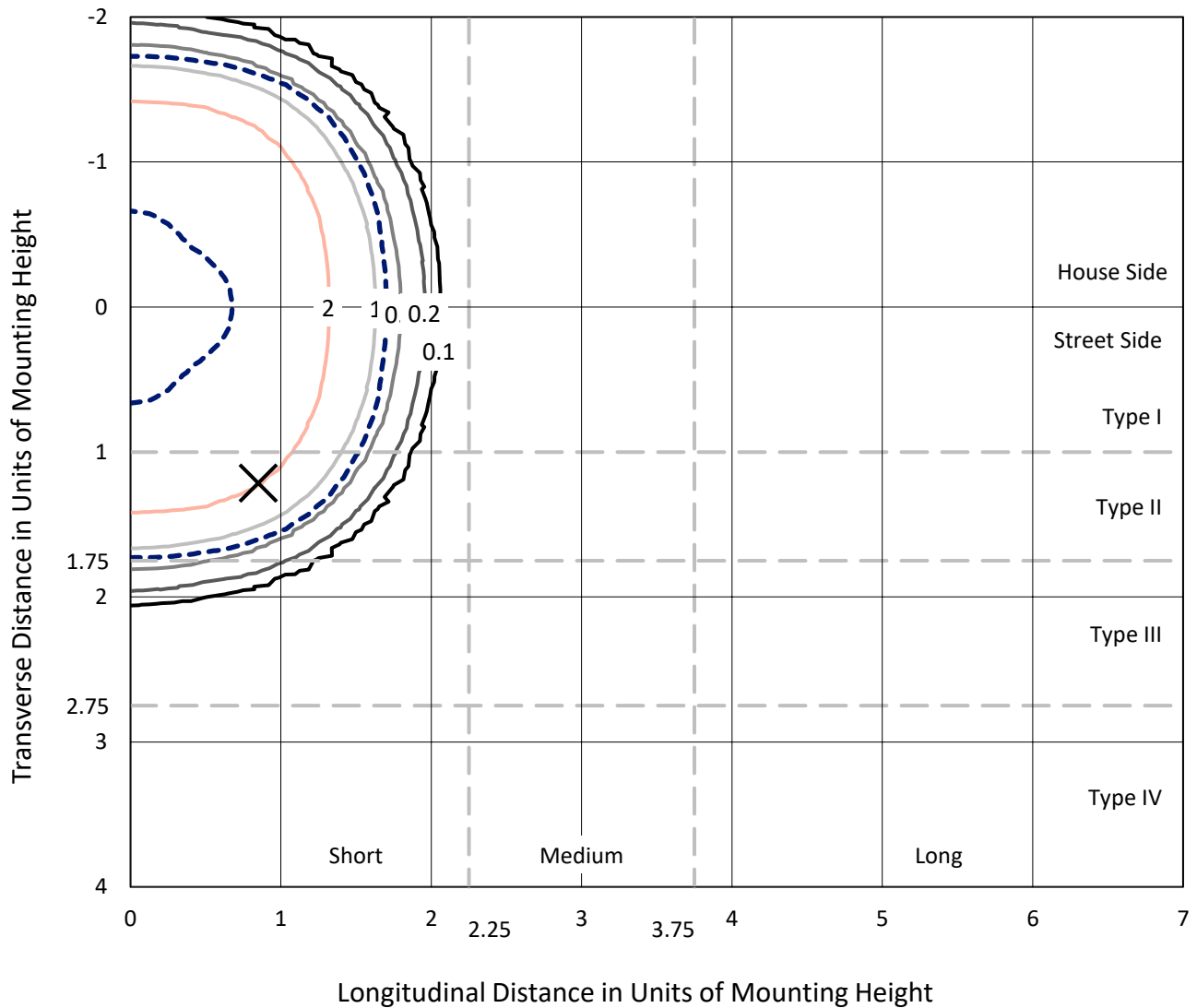
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531653
 CATALOG NUMBER: GALN-SA7A-727-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

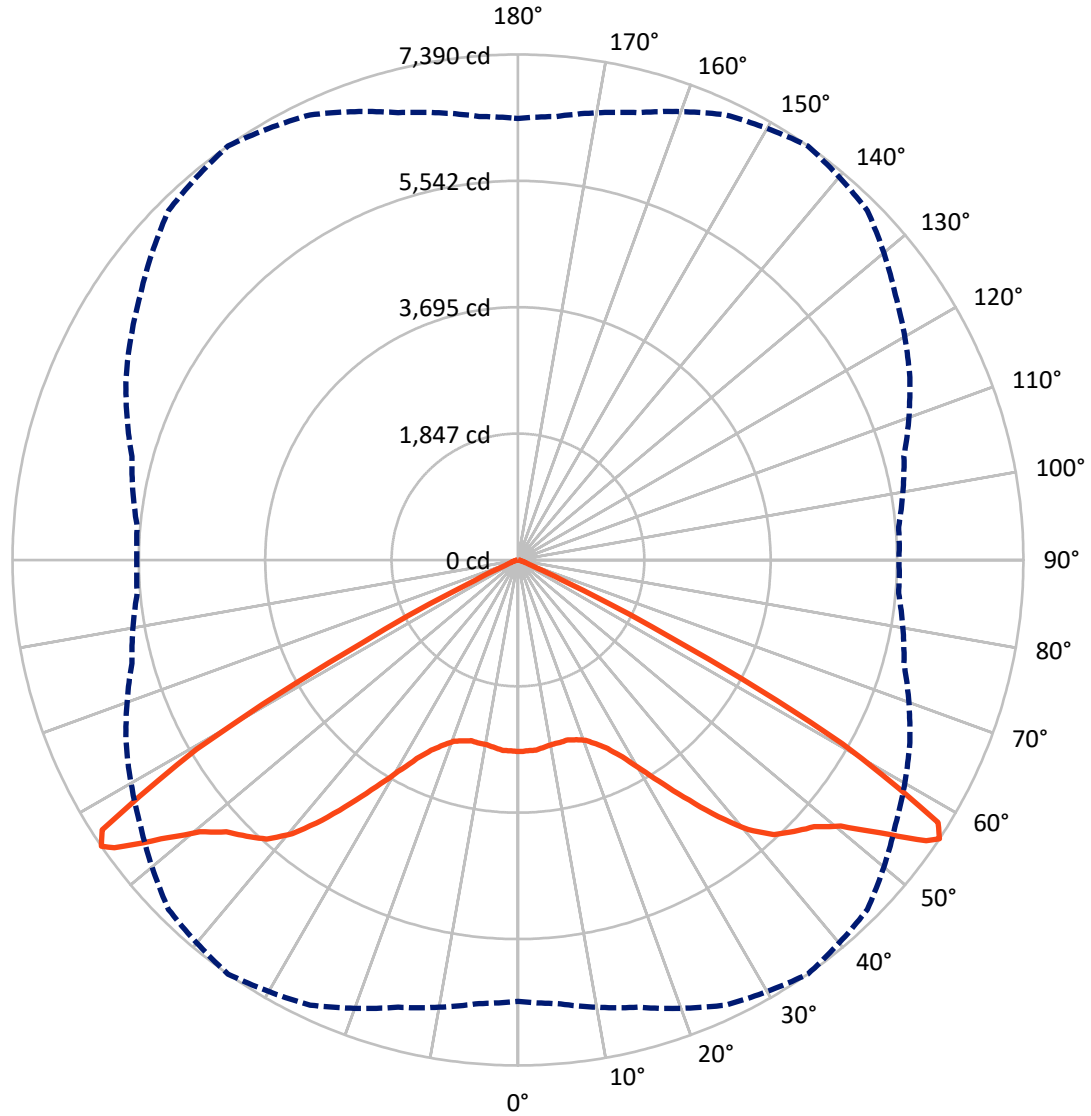
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P531653
CATALOG NUMBER: GALN-SA7A-727-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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



REPORT NUMBER: P531653
 CATALOG NUMBER: GALN-SA7A-727-U-5MQ-GRSBK

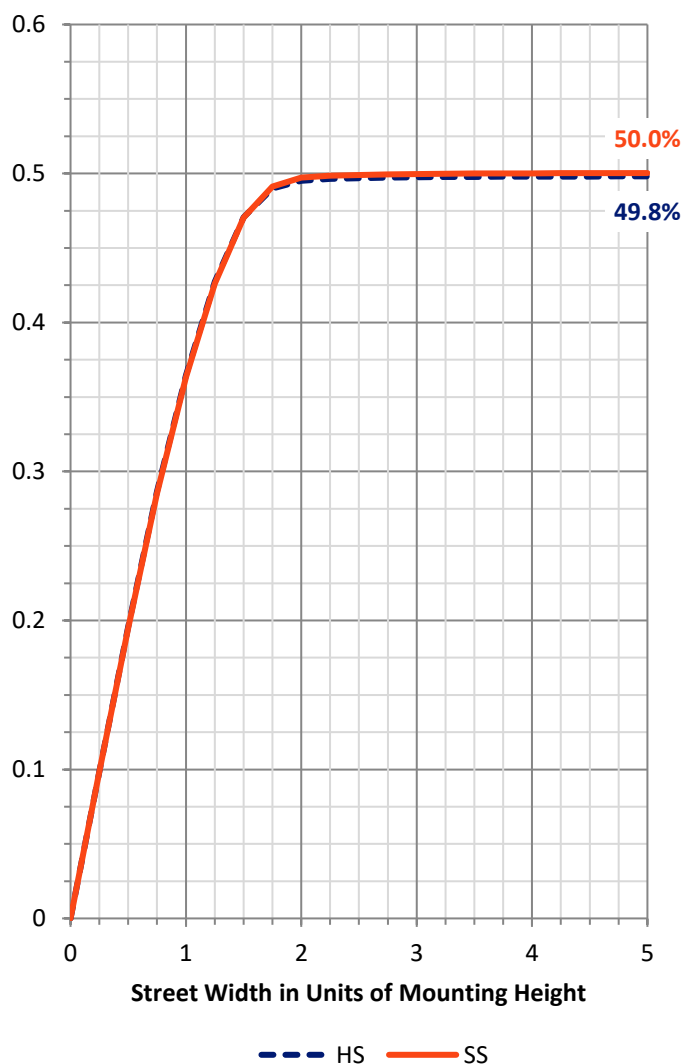
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7993.5	0.0	7993.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7993.5	0.0	7993.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15987.0	0.0	15987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.3	1.6
10°-20°	768.6	4.8
20°-30°	1391.9	8.7
30°-40°	2581.1	16.1
40°-50°	4236.7	26.5
50°-60°	5458.1	34.1
60°-70°	1202.9	7.5
70°-80°	69.8	0.4
80°-90°	14.7	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°	15987.0	100.0
0°-180°	15987.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531653

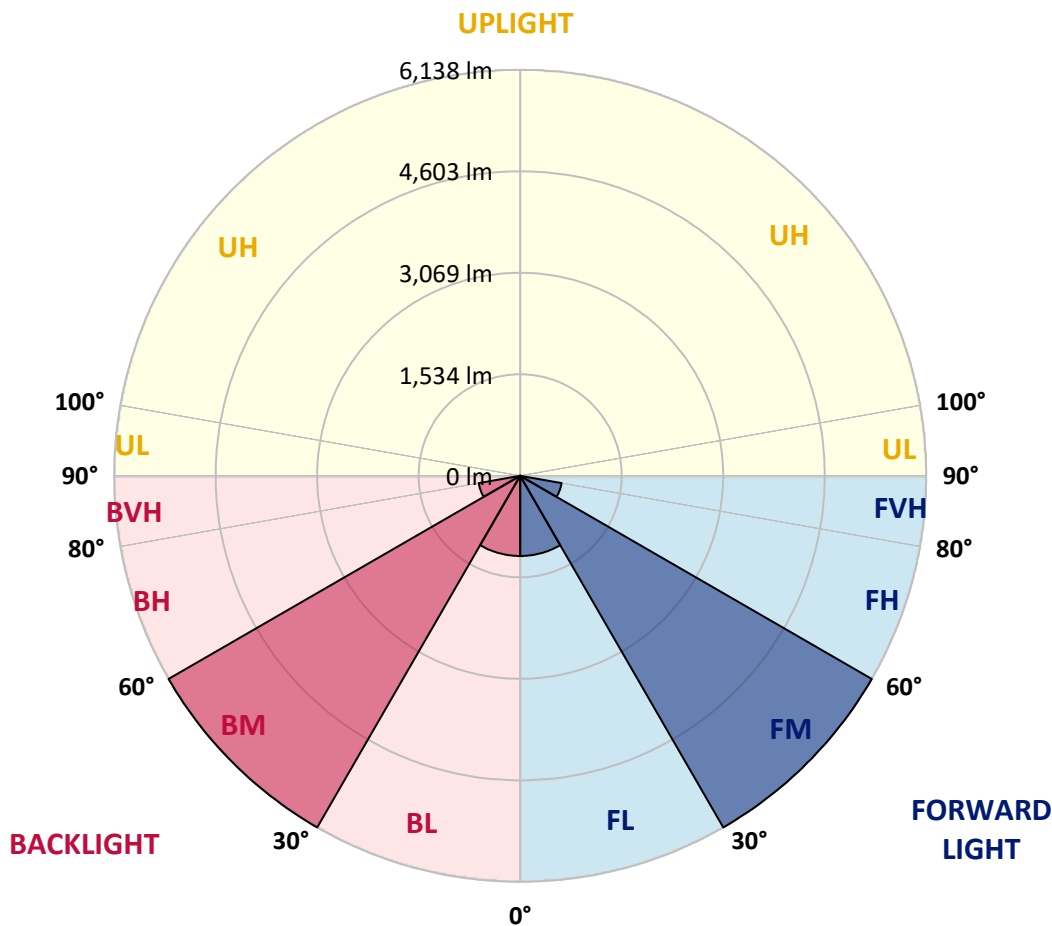
CATALOG NUMBER: GALN-SA7A-727-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1211.9	7.6			
FM (30°-60°)	6137.9	38.4			
FH (60°-80°)	636.4	4.0			G0/660
FVH (80°-90°)	7.4	0.0			G0/10
BL (0°-30°)	1211.9	7.6	B3/2500		
BM (30°-60°)	6137.9	38.4	B4/8500		
BH (60°-80°)	636.4	4.0	B2/1000		G0/660
BVH (80°-90°)	7.4	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





REPORT NUMBER: P531653

CATALOG NUMBER: GALN-SA7A-727-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2801.3	2801.3	2801.3	2801.3	2801.3	2801.3	2801.3	2801.3	2801.3	2801.3	2801.3
2.5°	2807.1	2807.1	2810.0	2812.9	2792.6	2783.9	2786.8	2781.0	2778.1	2786.8	2786.8
5°	2798.4	2798.4	2789.7	2792.6	2792.6	2766.5	2766.5	2772.3	2772.3	2754.9	2749.1
7.5°	2775.2	2769.4	2757.8	2772.3	2763.6	2763.6	2743.3	2728.8	2723.1	2734.6	2723.1
10°	2725.9	2728.8	2740.4	2746.2	2740.4	2757.8	2723.1	2702.8	2682.5	2673.8	2673.8
12.5°	2702.8	2720.2	2702.8	2717.3	2737.5	2723.1	2702.8	2688.3	2659.3	2647.7	2647.7
15°	2699.9	2711.5	2717.3	2737.5	2728.8	2734.6	2694.1	2676.7	2633.2	2613.0	2604.3
17.5°	2697.0	2711.5	2720.2	2757.8	2763.6	2766.5	2734.6	2682.5	2644.8	2624.6	2604.3
20°	2728.8	2734.6	2752.0	2789.7	2812.9	2853.4	2795.5	2740.4	2659.3	2636.1	2627.5
22.5°	2769.4	2798.4	2815.8	2856.3	2917.1	2951.9	2876.6	2807.1	2723.1	2694.1	2659.3
25°	2899.8	2894.0	2922.9	3006.9	3056.2	3082.3	3021.4	2920.0	2810.0	2775.2	2781.0
27.5°	3062.0	3067.8	3093.8	3186.5	3259.0	3299.5	3227.1	3093.8	2986.7	2928.7	2922.9
30°	3273.5	3267.7	3296.6	3421.2	3551.6	3612.4	3484.9	3328.5	3224.2	3148.9	3166.3
32.5°	3496.5	3499.4	3580.5	3693.5	3905.0	4023.7	3818.1	3626.9	3470.4	3418.3	3392.2
35°	3826.8	3841.2	3905.0	4078.8	4313.4	4467.0	4241.0	4012.2	3832.5	3737.0	3748.5
37.5°	4235.2	4220.7	4327.9	4516.2	4762.4	4875.4	4684.2	4423.5	4241.0	4177.3	4217.8
40°	4669.7	4684.2	4739.3	4910.2	5185.4	5260.7	4976.8	4834.9	4675.5	4643.7	4692.9
42.5°	5104.3	5095.6	5136.1	5289.7	5489.6	5437.4	5269.4	5185.4	5072.4	5008.7	5075.3
45°	5422.9	5408.4	5483.8	5588.0	5660.5	5562.0	5486.7	5457.7	5399.8	5330.2	5391.1
47.5°	5732.9	5721.3	5793.7	5822.7	5828.5	5698.1	5712.6	5764.8	5619.9	5475.1	5544.6
50°	5996.5	5976.2	6066.0	6129.8	6115.3	5906.7	5958.8	5906.7	5680.7	5509.8	5483.8
52.5°	6436.8	6445.5	6541.1	6657.0	6622.2	6448.4	6373.1	6135.6	5845.9	5692.3	5602.5
55°	6714.9	6671.5	6836.6	7204.5	7245.1	7065.4	6732.3	6381.8	5947.3	5759.0	5735.8
56°	6454.2	6509.3	6770.0	7181.3	7389.9	7224.8	6741.0	6321.0	5843.0	5588.0	5570.7
57.5°	5790.8	5761.9	6115.3	6677.3	7245.1	7175.5	6503.5	5886.4	5330.2	5043.4	5008.7
60°	3603.7	3687.7	3997.7	4692.9	5451.9	5486.7	4820.4	4290.3	3641.4	3386.4	3447.3
62.5°	1410.8	1338.4	1532.4	2051.0	2572.4	2688.3	2436.3	2024.9	1662.8	1410.8	1393.4
65°	327.3	318.7	359.2	495.4	692.4	802.4	761.9	547.5	402.7	382.4	353.4
67.5°	185.4	185.4	176.7	176.7	194.1	205.7	197.0	194.1	202.8	211.5	208.6
70°	130.4	127.5	121.7	124.6	118.8	118.8	127.5	141.9	153.5	153.5	156.4
72.5°	78.2	78.2	78.2	86.9	86.9	86.9	95.6	107.2	110.1	107.2	104.3
75°	34.8	34.8	40.6	49.2	55.0	57.9	66.6	72.4	78.2	72.4	66.6
77.5°	8.7	8.7	14.5	20.3	26.1	31.9	43.5	52.1	55.0	52.1	43.5
80°	2.9	2.9	5.8	14.5	26.1	31.9	43.5	46.3	49.2	43.5	34.8
82.5°	2.9	2.9	5.8	14.5	20.3	26.1	34.8	40.6	43.5	37.7	34.8
85°	0.0	2.9	5.8	11.6	17.4	23.2	23.2	17.4	14.5	8.7	11.6
87.5°	0.0	0.0	2.9	2.9	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)