

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: P531661

Luminaire Tested: **GALN-SA7A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17215 lumens
Efficiency: N/A
Efficacy: 80.1 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

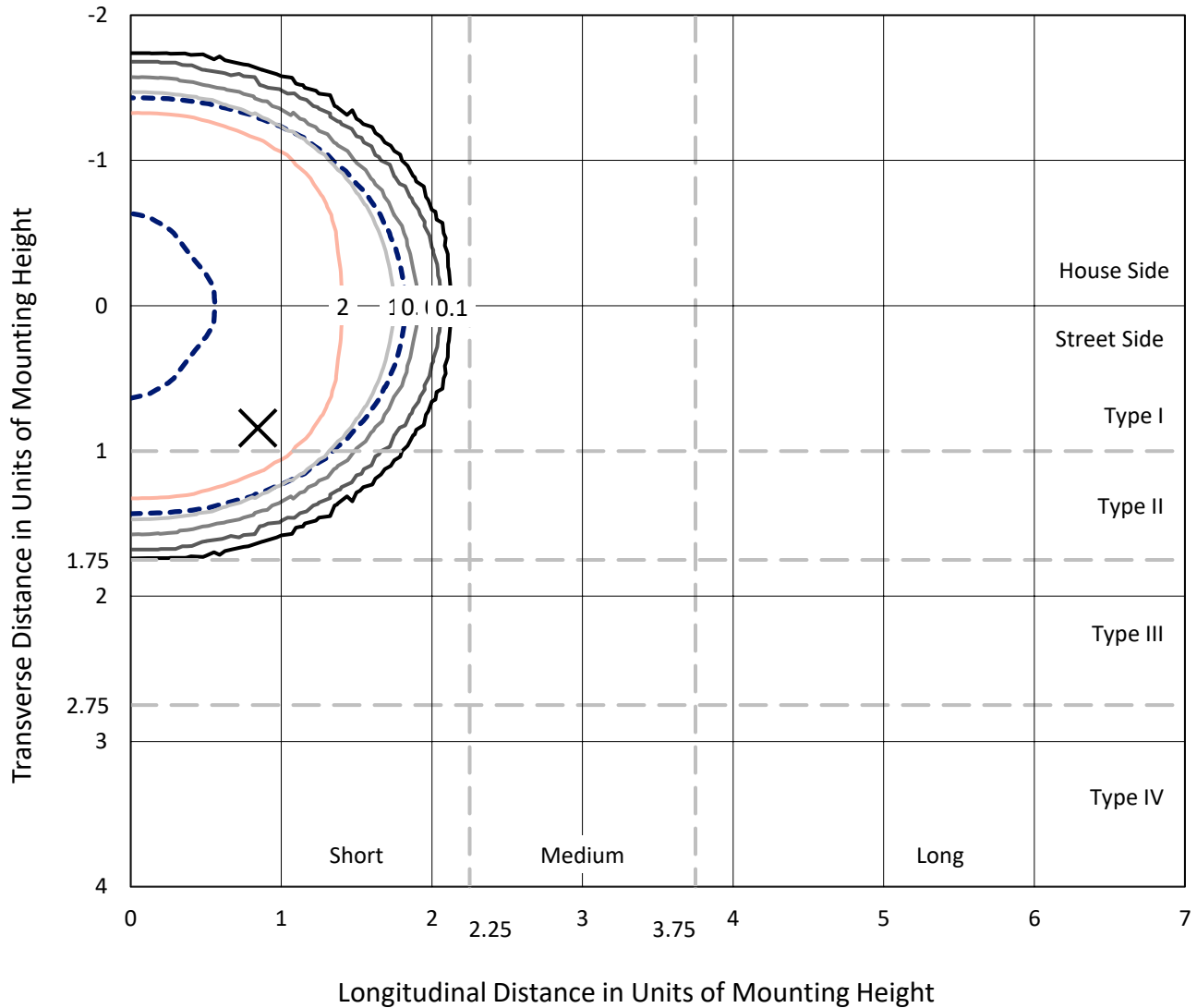
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531661
 CATALOG NUMBER: GALN-SA7A-727-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

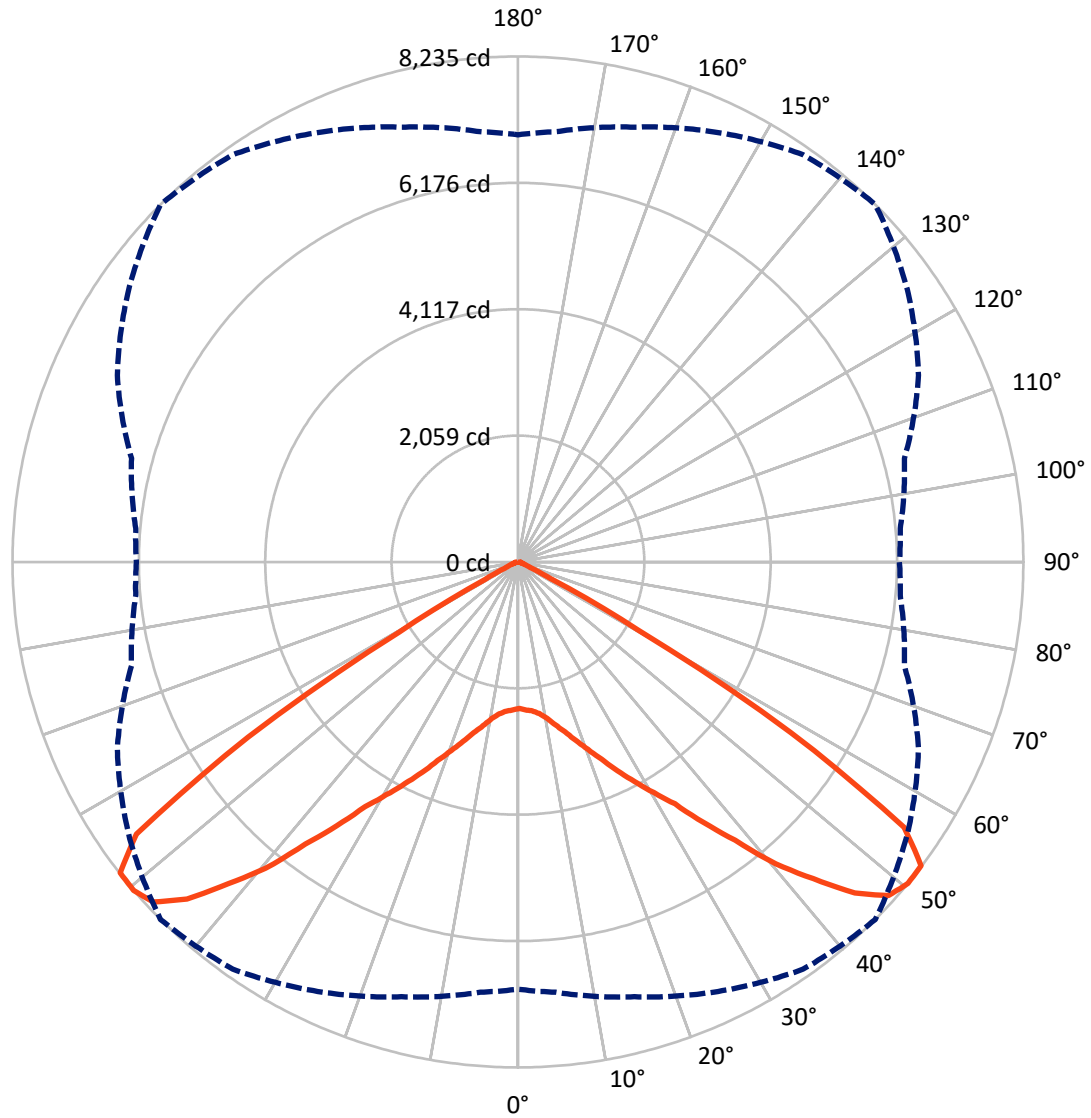
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P531661
CATALOG NUMBER: GALN-SA7A-727-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P531661
 CATALOG NUMBER: GALN-SA7A-727-U-RW-GRSBK

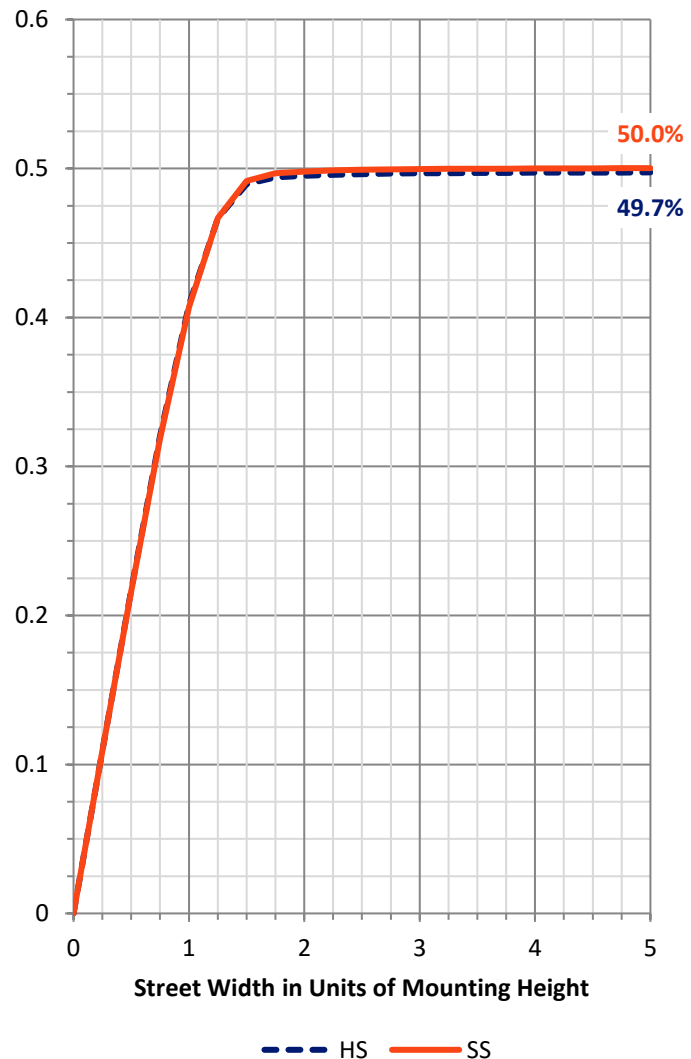
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8607.5	0.0	8607.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8607.5	0.0	8607.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17215.0	0.0	17215.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.4	1.4
10°-20°	818.3	4.8
20°-30°	1671.4	9.7
30°-40°	3187.3	18.5
40°-50°	5371.1	31.2
50°-60°	5122.3	29.8
60°-70°	715.1	4.2
70°-80°	68.4	0.4
80°-90°	23.6	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°	17215.0	100.0
0°-180°	17215.0	100.0



REPORT NUMBER: P531661

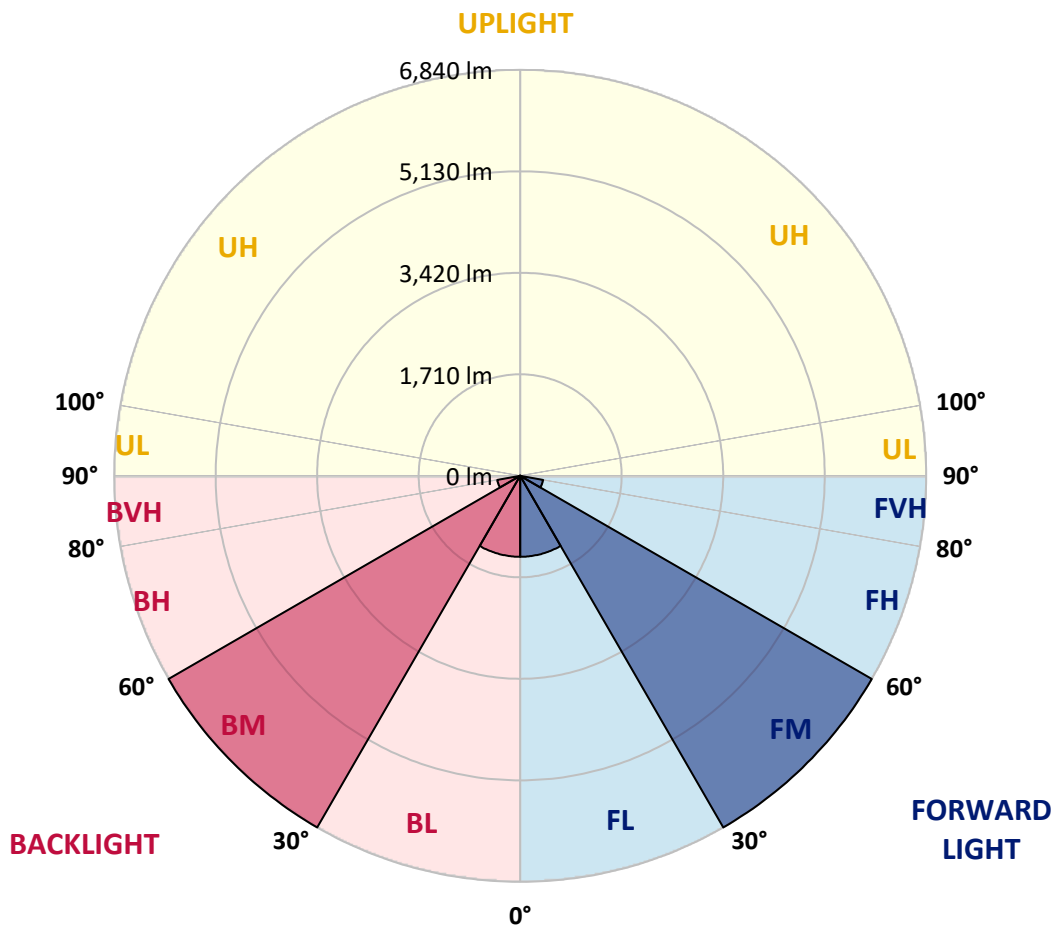
CATALOG NUMBER: GALN-SA7A-727-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.6	7.9			
FM (30°-60°)	6840.4	39.7			
FH (60°-80°)	391.7	2.3			G0/660
FVH (80°-90°)	11.8	0.1			G1/100
BL (0°-30°)	1363.6	7.9	B3/2500		
BM (30°-60°)	6840.4	39.7	B4/8500		
BH (60°-80°)	391.7	2.3	B1/500		G0/660
BVH (80°-90°)	11.8	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: P531661

CATALOG NUMBER: GALN-SA7A-727-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2386.7	2386.7	2386.7	2386.7	2386.7	2386.7	2386.7	2386.7	2386.7	2386.7	2386.7
2.5°	2378.0	2378.0	2375.1	2398.3	2386.7	2412.7	2409.8	2418.5	2427.2	2424.3	2447.5
5°	2357.7	2354.8	2354.8	2380.9	2406.9	2435.9	2462.0	2479.4	2508.3	2508.3	2537.3
7.5°	2378.0	2363.5	2383.8	2395.4	2444.6	2493.8	2537.3	2572.0	2638.7	2661.8	2653.1
10°	2383.8	2401.2	2415.6	2450.4	2511.2	2586.5	2624.2	2711.1	2786.4	2838.5	2850.1
12.5°	2421.4	2447.5	2488.0	2572.0	2627.1	2725.6	2777.7	2861.7	2966.0	3023.9	3064.4
15°	2493.8	2502.5	2554.7	2661.8	2780.6	2870.4	2951.5	3012.3	3113.7	3180.3	3183.2
17.5°	2586.5	2624.2	2696.6	2798.0	2922.5	3055.7	3119.5	3186.1	3223.7	3313.5	3333.8
20°	2771.9	2777.7	2847.2	2980.4	3136.8	3258.5	3304.8	3339.6	3325.1	3417.8	3435.2
22.5°	2945.7	2951.5	3038.4	3217.9	3385.9	3490.2	3510.5	3490.2	3446.8	3513.4	3519.2
25°	3122.4	3174.5	3238.2	3417.8	3626.3	3765.4	3768.3	3713.2	3623.5	3635.0	3664.0
27.5°	3397.5	3435.2	3501.8	3666.9	3895.7	4052.1	4026.1	3959.4	3843.6	3852.3	3843.6
30°	3719.0	3753.8	3808.8	4020.3	4188.3	4359.1	4396.8	4333.1	4159.3	4121.6	4165.1
32.5°	4107.2	4156.4	4257.8	4451.8	4593.8	4698.0	4724.1	4700.9	4538.7	4524.2	4553.2
35°	4579.3	4645.9	4738.6	4909.5	5025.3	5213.6	5213.6	5135.4	4987.7	5005.1	5002.2
37.5°	5077.5	5175.9	5320.8	5494.6	5651.0	5752.3	5720.5	5653.9	5506.1	5468.5	5506.1
40°	5703.1	5752.3	5934.8	6160.7	6351.9	6467.8	6331.6	6186.8	5833.4	5888.5	5989.8
42.5°	6273.7	6351.9	6490.9	6740.0	6957.3	7052.8	6890.6	6603.9	6178.1	6134.7	6210.0
45°	6760.3	6844.3	7026.8	7383.0	7611.9	7695.9	7336.7	6873.3	6386.7	6276.6	6308.5
47.5°	7084.7	7128.2	7383.0	7721.9	7930.5	8121.6	7606.1	7058.6	6485.1	6276.6	6265.0
50°	6960.2	7035.5	7333.8	7719.0	8098.5	8234.6	7742.2	7200.6	6517.0	6250.5	6215.8
52.5°	6181.0	6311.4	6644.4	7162.9	7736.4	8223.0	7930.5	7154.2	6505.4	6276.6	6328.7
55°	4301.2	4304.1	4709.6	5474.3	6488.0	7635.0	7655.3	7206.4	6580.7	6438.8	6441.7
57.5°	1729.2	1816.1	2126.0	2893.5	3829.1	5242.6	6233.1	6685.0	6589.4	6554.7	6644.4
60°	437.4	440.3	535.8	816.8	1346.8	2247.6	3264.3	4417.1	5086.2	5315.0	5346.8
62.5°	223.0	225.9	249.1	289.6	367.8	602.5	1071.7	1700.2	2418.5	2783.5	2879.1
65°	182.5	182.5	197.0	217.2	220.1	231.7	278.1	396.8	576.4	654.6	663.3
67.5°	139.0	139.0	150.6	162.2	168.0	165.1	159.3	165.1	199.9	191.2	185.4
70°	86.9	89.8	95.6	107.2	113.0	115.9	118.8	124.5	141.9	147.7	141.9
72.5°	52.1	52.1	55.0	63.7	72.4	78.2	86.9	92.7	101.4	115.9	113.0
75°	23.2	23.2	29.0	37.7	46.3	55.0	63.7	72.4	78.2	86.9	89.8
77.5°	5.8	8.7	14.5	26.1	34.8	46.3	57.9	66.6	72.4	72.4	69.5
80°	2.9	2.9	11.6	20.3	37.7	49.2	63.7	69.5	78.2	72.4	63.7
82.5°	2.9	2.9	11.6	20.3	34.8	49.2	66.6	75.3	81.1	72.4	60.8
85°	0.0	2.9	8.7	17.4	29.0	34.8	29.0	20.3	11.6	11.6	8.7
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)