

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: P530882

Luminaire Tested: **GALN-SA6A-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530882
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-SA6A-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA 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: 17468 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

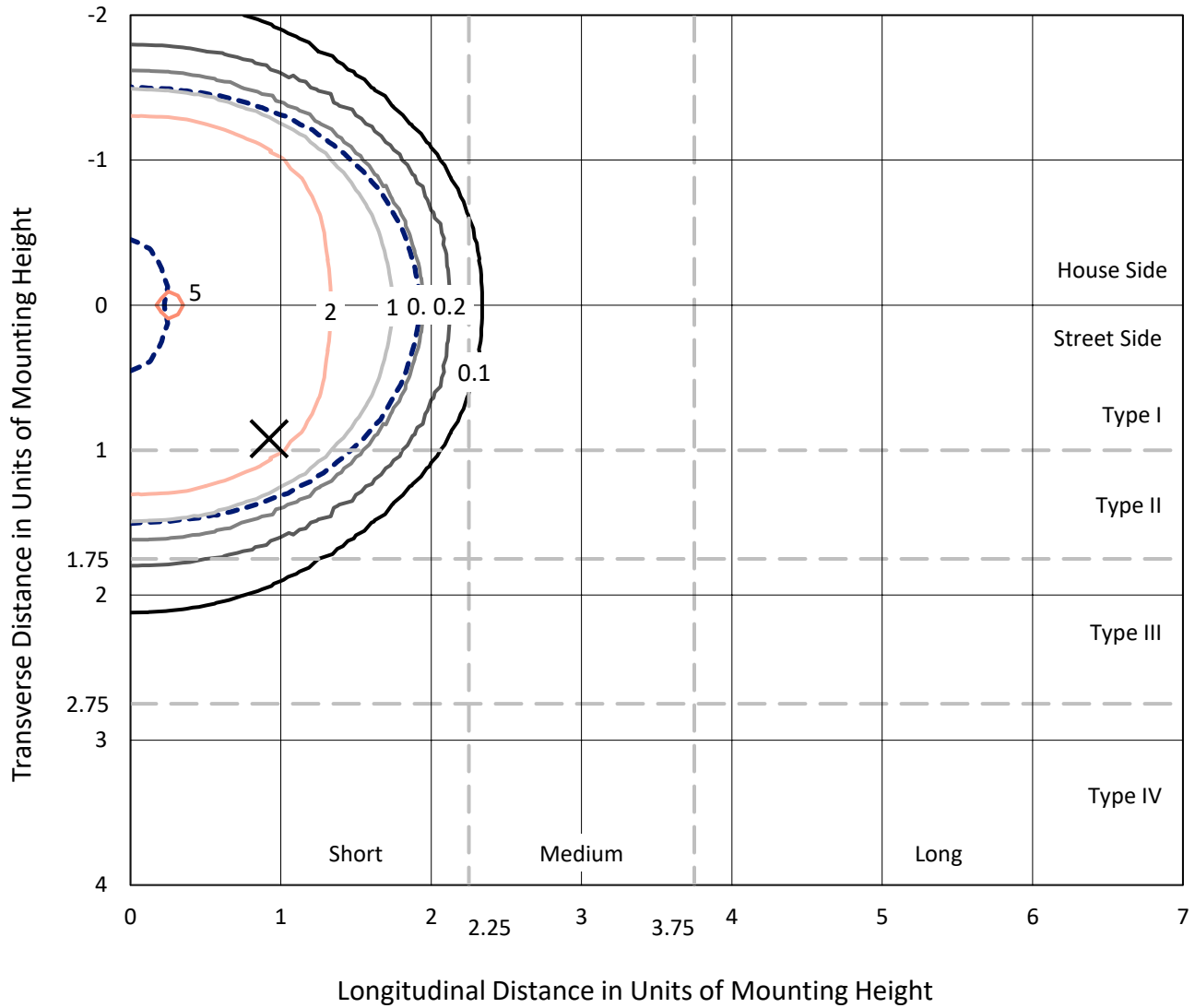
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

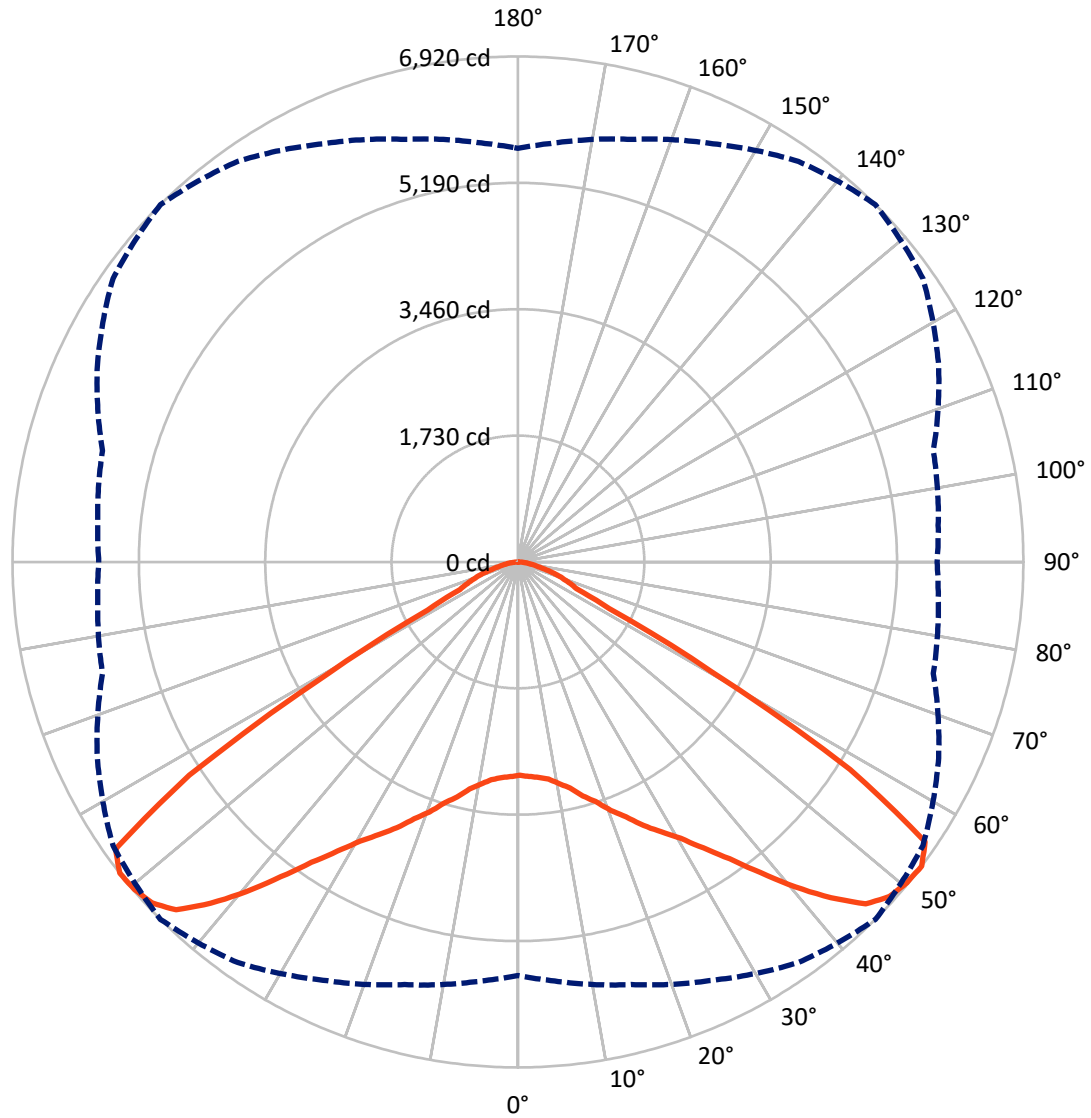
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8734.0	0.0	8734.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8734.0	0.0	8734.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17468.0	0.0	17468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.9	1.6
10°-20°	942.7	5.4
20°-30°	1794.7	10.3
30°-40°	3081.7	17.6
40°-50°	4736.6	27.1
50°-60°	4809.9	27.5
60°-70°	1340.5	7.7
70°-80°	395.4	2.3
80°-90°	79.6	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°	17468.0	100.0
0°-180°	17468.0	100.0

Coefficient of Utilization



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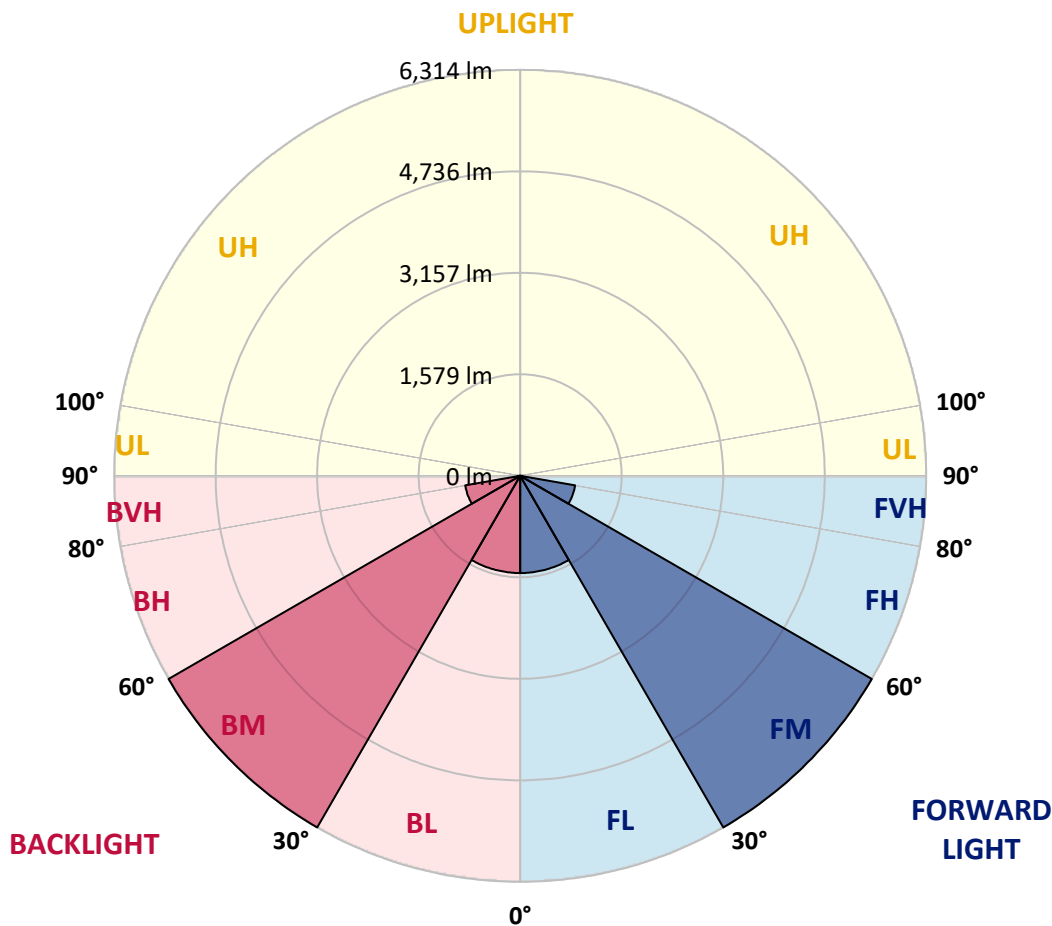
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1512.1	8.7			
FM (30°-60°)	6314.1	36.1			
FH (60°-80°)	867.9	5.0			G1/1800
FVH (80°-90°)	39.8	0.2			G1/100
BL (0°-30°)	1512.1	8.7	B3/2500		
BM (30°-60°)	6314.1	36.1	B4/8500		
BH (60°-80°)	867.9	5.0	B2/1000		G1/1800
BVH (80°-90°)	39.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2920.0	2920.0	2920.0	2920.0	2920.0	2920.0	2920.0	2920.0	2920.0	2920.0	2920.0
2.5°	2926.5	2896.2	2907.0	2913.5	2941.7	2939.5	2933.0	2941.7	2950.4	2952.5	2948.2
5°	2924.3	2902.7	2911.3	2917.8	2946.0	2961.2	2956.9	2993.7	3019.7	3013.2	3045.7
7.5°	2907.0	2920.0	2909.2	2941.7	2965.5	3002.4	3041.4	3076.1	3108.6	3145.5	3152.0
10°	2946.0	2946.0	2965.5	2991.5	3054.4	3082.6	3139.0	3188.8	3251.7	3295.0	3277.7
12.5°	2987.2	2993.7	2993.7	3060.9	3112.9	3175.8	3227.8	3295.0	3383.9	3435.9	3462.0
15°	3028.4	3032.7	3054.4	3145.5	3223.5	3323.2	3370.9	3431.6	3481.5	3579.0	3581.2
17.5°	3065.2	3089.1	3154.1	3256.0	3353.6	3448.9	3524.8	3587.7	3631.0	3670.1	3661.4
20°	3204.0	3221.3	3288.5	3390.4	3535.7	3628.9	3654.9	3665.7	3693.9	3771.9	3748.1
22.5°	3338.4	3344.9	3407.8	3563.8	3665.7	3789.3	3817.5	3811.0	3821.8	3841.3	3876.0
25°	3477.1	3488.0	3574.7	3706.9	3850.0	3997.4	4021.2	3971.4	3956.2	3977.9	3980.1
27.5°	3654.9	3657.1	3767.6	3882.5	4045.1	4183.8	4220.7	4181.7	4110.1	4127.5	4155.6
30°	3880.3	3865.2	3975.7	4140.5	4311.7	4389.8	4452.6	4433.1	4355.1	4339.9	4316.1
32.5°	4140.5	4144.8	4244.5	4424.4	4537.2	4667.2	4734.4	4701.9	4652.1	4626.1	4641.2
35°	4506.8	4526.3	4593.5	4743.1	4925.2	4990.2	5096.5	5027.1	4897.0	4929.5	4957.7
37.5°	4808.1	4864.5	4990.2	5168.0	5276.4	5395.6	5434.6	5341.4	5246.0	5207.0	5300.2
40°	5269.9	5252.5	5391.3	5569.0	5729.5	5848.7	5798.8	5705.6	5469.3	5471.5	5497.5
42.5°	5666.6	5675.3	5781.5	5993.9	6212.9	6286.6	6128.3	5900.7	5638.4	5610.2	5666.6
45°	6000.4	6035.1	6095.8	6379.8	6594.4	6674.6	6382.0	6113.2	5762.0	5644.9	5738.1
47.5°	6119.7	6176.0	6308.3	6568.4	6780.8	6845.9	6611.7	6225.9	5876.9	5686.1	5736.0
50°	6137.0	6117.5	6334.3	6572.7	6759.2	6900.1	6694.1	6308.3	5848.7	5749.0	5733.8
52.5°	5662.3	5757.6	5989.6	6316.9	6694.1	6919.6	6767.8	6353.8	5887.7	5775.0	5738.1
55°	4582.7	4470.0	4892.7	5443.3	6137.0	6763.5	6741.8	6377.6	5911.5	5818.3	5768.5
57.5°	2558.0	2590.5	2829.0	3427.3	4322.6	5363.1	5993.9	6126.2	5900.7	5846.5	5872.5
60°	1183.6	1194.4	1296.3	1576.0	2130.9	3041.4	3871.7	4714.9	5103.0	5181.0	5181.0
62.5°	882.3	878.0	904.0	953.8	1070.9	1398.2	1866.5	2536.3	3069.6	3442.4	3540.0
65°	797.7	795.6	808.6	825.9	834.6	880.1	984.2	1190.1	1363.5	1463.3	1445.9
67.5°	698.0	695.9	700.2	711.0	726.2	750.1	776.1	819.4	880.1	875.8	864.9
70°	563.6	563.6	570.1	578.8	596.1	624.3	654.7	685.0	737.0	747.9	745.7
72.5°	416.2	409.7	422.7	440.1	457.4	492.1	524.6	552.8	589.6	600.5	596.1
75°	264.5	268.8	277.5	297.0	327.3	351.2	385.9	409.7	433.6	442.2	444.4
77.5°	147.4	151.7	166.9	190.8	221.1	247.1	277.5	297.0	312.2	314.3	316.5
80°	88.9	91.0	106.2	127.9	153.9	182.1	205.9	225.4	238.5	232.0	229.8
82.5°	54.2	56.4	69.4	88.9	110.6	132.2	158.2	175.6	188.6	179.9	171.3
85°	28.2	30.3	41.2	54.2	71.5	82.4	82.4	73.7	71.5	67.2	65.0
87.5°	8.7	8.7	10.8	13.0	10.8	13.0	15.2	17.3	17.3	19.5	17.3
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)