

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: P531167

Luminaire Tested: **GALN-SA6C-722-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531167
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-SA6C-722-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 1050mA 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: 19806 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

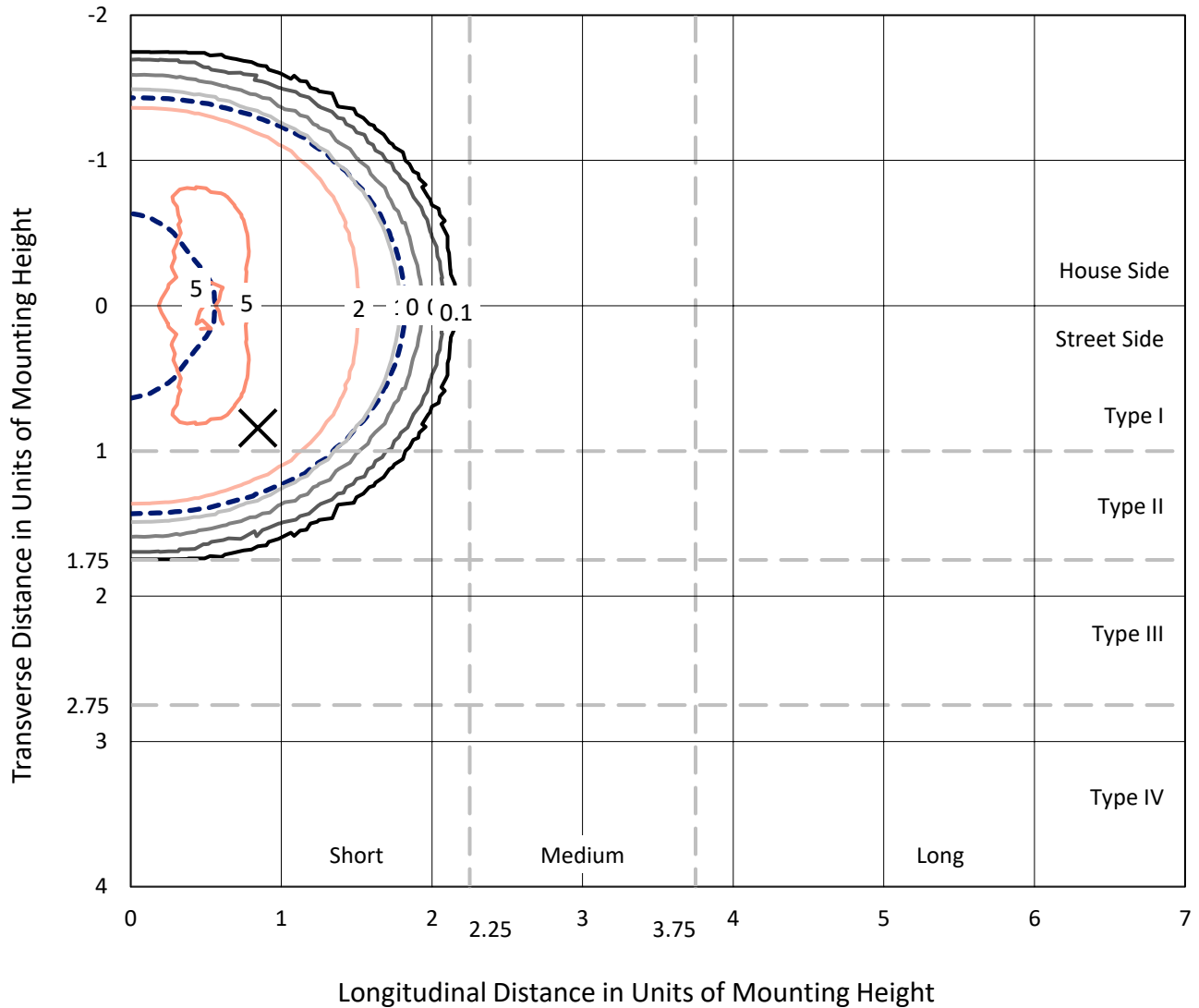
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

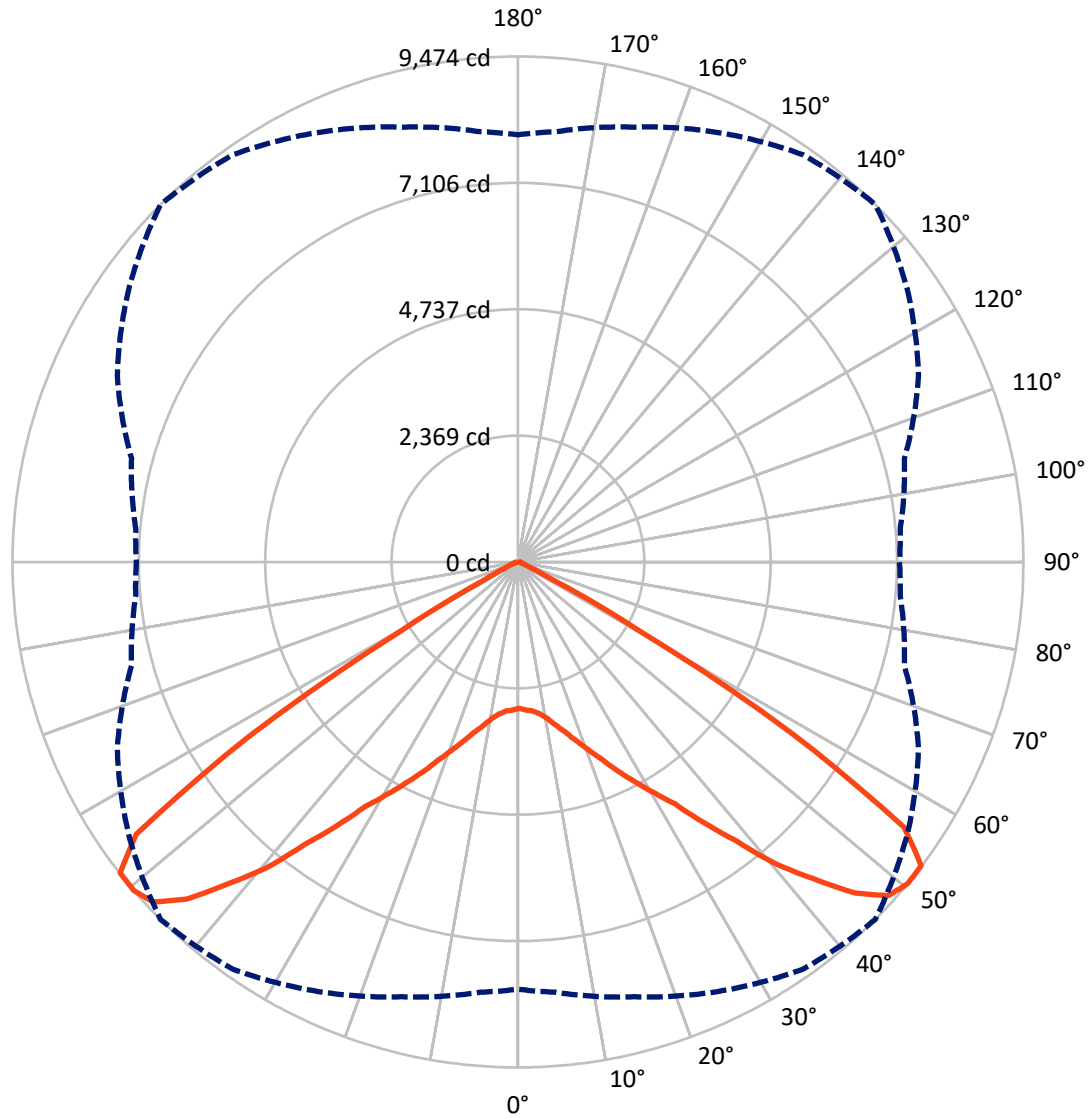
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9903.0	0.0	9903.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9903.0	0.0	9903.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19806.0	0.0	19806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	1.4
10°-20°	941.5	4.8
20°-30°	1922.9	9.7
30°-40°	3667.1	18.5
40°-50°	6179.5	31.2
50°-60°	5893.3	29.8
60°-70°	822.7	4.2
70°-80°	78.7	0.4
80°-90°	27.2	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°	19806.0	100.0
0°-180°	19806.0	100.0

Coefficient of Utilization



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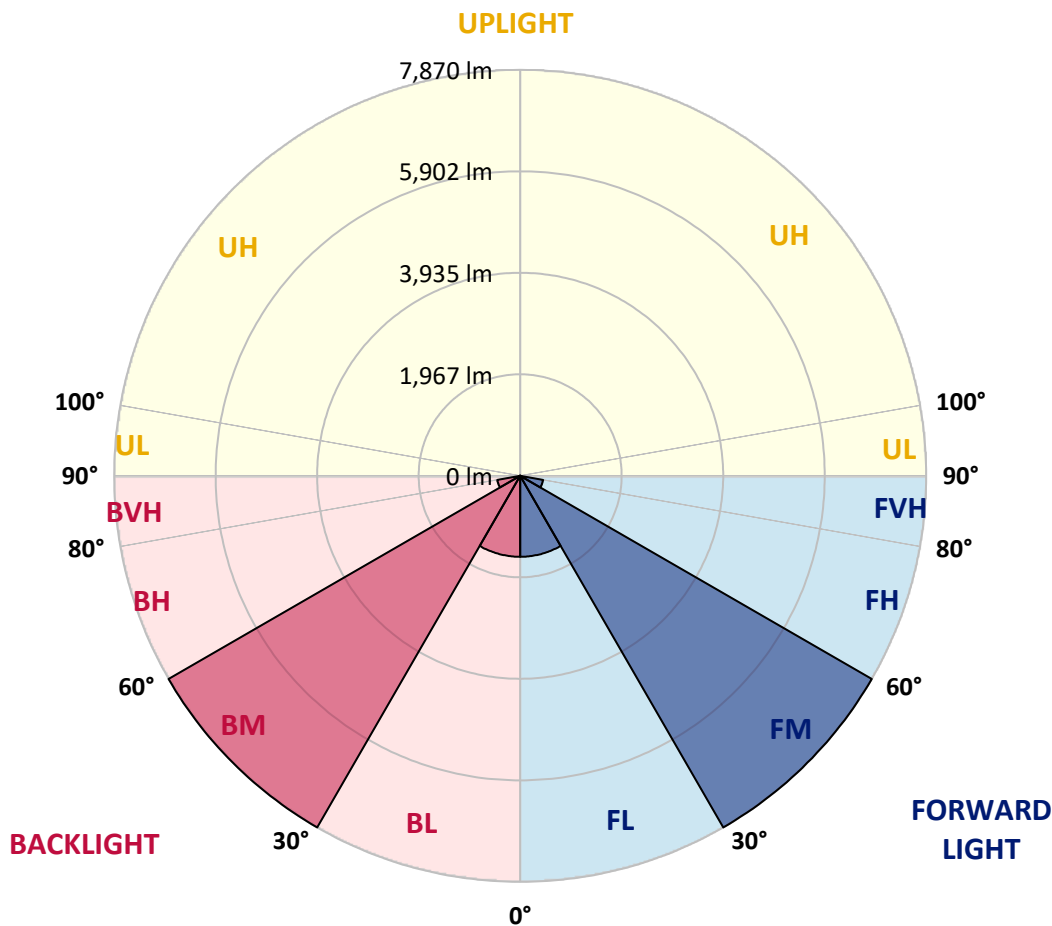
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1568.8	7.9			
FM (30°-60°)	7869.9	39.7			
FH (60°-80°)	450.7	2.3			G0/660
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	1568.8	7.9	B3/2500		
BM (30°-60°)	7869.9	39.7	B4/8500		
BH (60°-80°)	450.7	2.3	B1/500		G0/660
BVH (80°-90°)	13.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2745.9	2745.9	2745.9	2745.9	2745.9	2745.9	2745.9	2745.9	2745.9	2745.9	2745.9
2.5°	2735.9	2735.9	2732.6	2759.2	2745.9	2775.9	2772.5	2782.5	2792.5	2789.2	2815.9
5°	2712.6	2709.2	2709.2	2739.2	2769.2	2802.5	2832.5	2852.5	2885.8	2885.8	2919.2
7.5°	2735.9	2719.2	2742.6	2755.9	2812.5	2869.2	2919.2	2959.2	3035.8	3062.5	3052.5
10°	2742.6	2762.5	2779.2	2819.2	2889.2	2975.8	3019.1	3119.1	3205.8	3265.7	3279.1
12.5°	2785.9	2815.9	2862.5	2959.2	3022.5	3135.8	3195.8	3292.4	3412.4	3479.0	3525.7
15°	2869.2	2879.2	2939.2	3062.5	3199.1	3302.4	3395.7	3465.7	3582.3	3659.0	3662.3
17.5°	2975.8	3019.1	3102.4	3219.1	3362.4	3515.7	3589.0	3665.6	3708.9	3812.2	3835.6
20°	3189.1	3195.8	3275.7	3429.0	3609.0	3748.9	3802.2	3842.2	3825.6	3932.2	3952.2
22.5°	3389.0	3395.7	3495.7	3702.3	3895.6	4015.5	4038.8	4015.5	3965.5	4042.2	4048.8
25°	3592.3	3652.3	3725.6	3932.2	4172.1	4332.1	4335.4	4272.1	4168.8	4182.1	4215.5
27.5°	3908.9	3952.2	4028.9	4218.8	4482.1	4662.0	4632.0	4555.4	4422.1	4432.1	4422.1
30°	4278.8	4318.8	4382.1	4625.3	4818.6	5015.2	5058.6	4985.2	4785.3	4742.0	4792.0
32.5°	4725.3	4782.0	4898.6	5121.9	5285.2	5405.1	5435.1	5408.5	5221.8	5205.2	5238.5
35°	5268.5	5345.1	5451.8	5648.4	5781.7	5998.3	5998.3	5908.3	5738.4	5758.4	5755.0
37.5°	5841.7	5955.0	6121.6	6321.5	6501.5	6618.1	6581.5	6504.8	6334.9	6291.5	6334.9
40°	6561.5	6618.1	6828.1	7088.0	7307.9	7441.2	7284.6	7118.0	6711.4	6774.7	6891.4
42.5°	7217.9	7307.9	7467.9	7754.5	8004.4	8114.4	7927.7	7597.8	7108.0	7058.0	7144.6
45°	7777.8	7874.4	8084.4	8494.2	8757.5	8854.1	8440.9	7907.7	7347.9	7221.3	7257.9
47.5°	8151.0	8201.0	8494.2	8884.1	9124.1	9344.0	8750.8	8121.0	7461.2	7221.3	7207.9
50°	8007.7	8094.4	8437.6	8880.8	9317.3	9474.0	8907.5	8284.3	7497.9	7191.3	7151.3
52.5°	7111.3	7261.3	7644.5	8241.0	8900.8	9460.6	9124.1	8231.0	7484.5	7221.3	7281.3
55°	4948.6	4951.9	5418.5	6298.2	7464.5	8784.2	8807.5	8291.0	7571.2	7407.9	7411.2
57.5°	1989.4	2089.4	2446.0	3329.1	4405.4	6031.6	7171.3	7691.1	7581.2	7541.2	7644.5
60°	503.2	506.5	616.5	939.7	1549.6	2585.9	3755.6	5081.9	5851.7	6114.9	6151.6
62.5°	256.6	259.9	286.6	333.2	423.2	693.1	1233.0	1956.1	2782.5	3202.4	3312.4
65°	209.9	209.9	226.6	249.9	253.3	266.6	319.9	456.5	663.1	753.1	763.1
67.5°	160.0	160.0	173.3	186.6	193.3	189.9	183.3	189.9	229.9	219.9	213.3
70°	100.0	103.3	110.0	123.3	130.0	133.3	136.6	143.3	163.3	170.0	163.3
72.5°	60.0	60.0	63.3	73.3	83.3	90.0	100.0	106.6	116.6	133.3	130.0
75°	26.7	26.7	33.3	43.3	53.3	63.3	73.3	83.3	90.0	100.0	103.3
77.5°	6.7	10.0	16.7	30.0	40.0	53.3	66.6	76.6	83.3	83.3	80.0
80°	3.3	3.3	13.3	23.3	43.3	56.7	73.3	80.0	90.0	83.3	73.3
82.5°	3.3	3.3	13.3	23.3	40.0	56.7	76.6	86.6	93.3	83.3	70.0
85°	0.0	3.3	10.0	20.0	33.3	40.0	33.3	23.3	13.3	13.3	10.0
87.5°	0.0	0.0	3.3	3.3	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)