

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P637247

Luminaire Tested: GWS-SA4C-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17597.7 lumens
Efficiency: N/A
Efficacy: 136.9 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): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

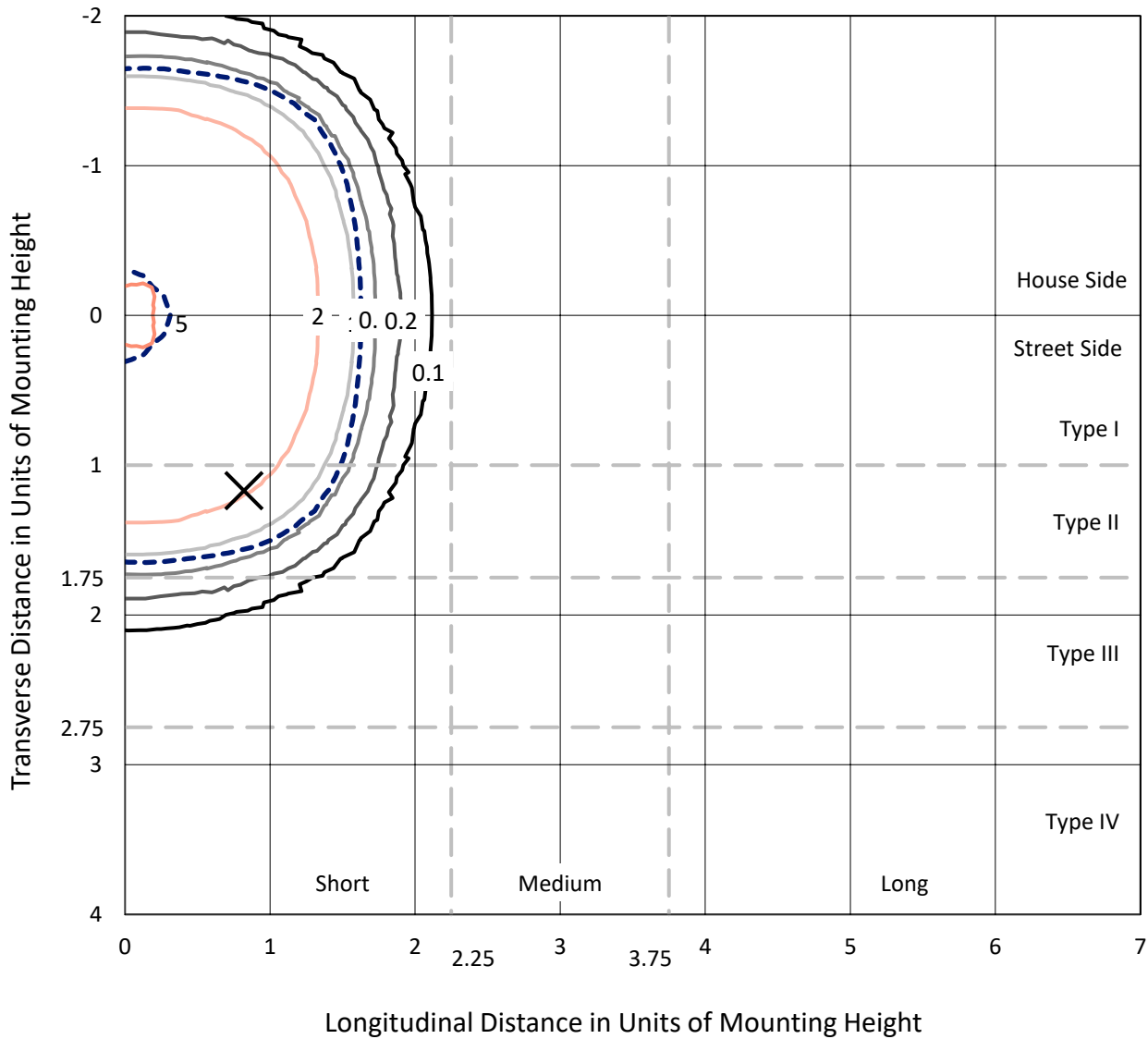


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Iso-Footcandle Lines of Horizontal Illumination

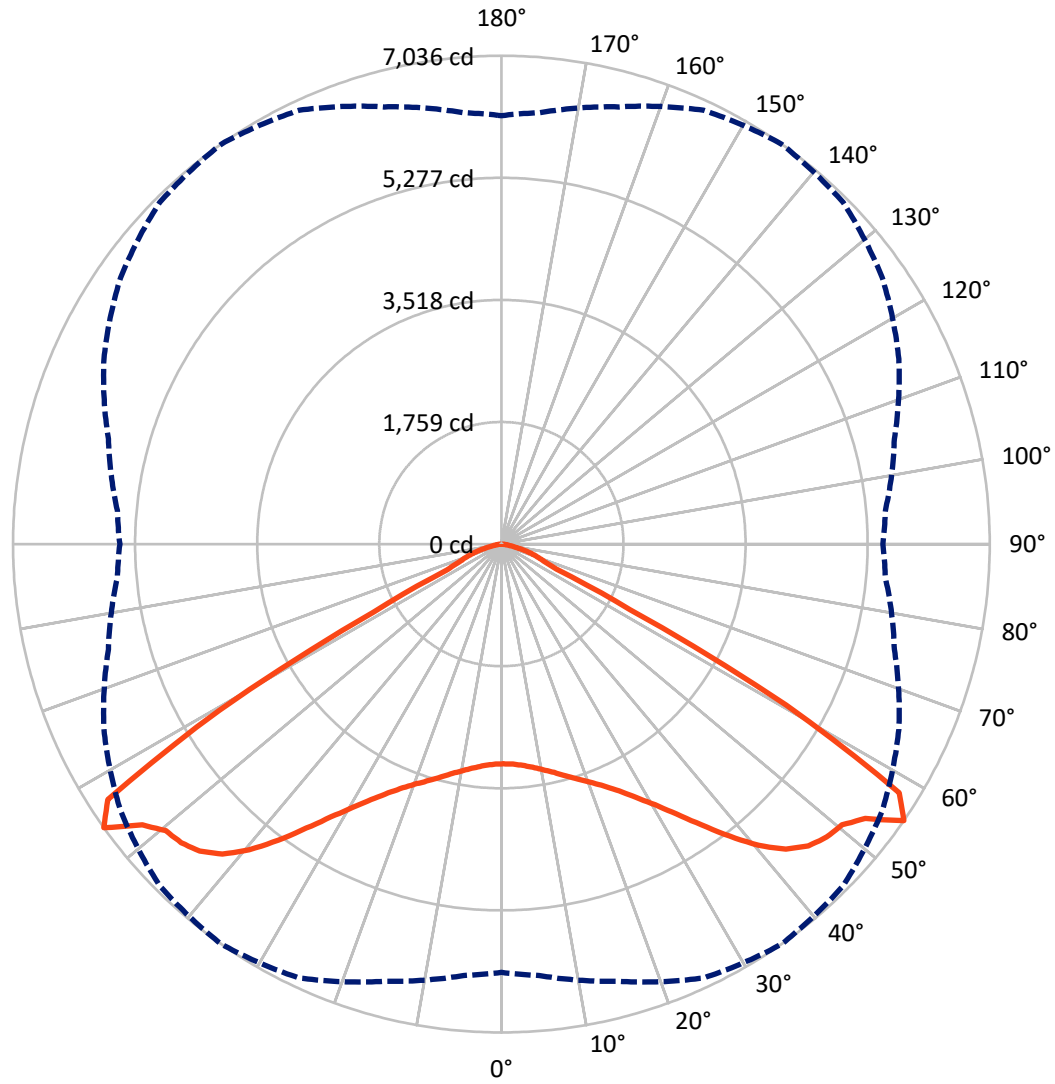
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8798.8	0.0	8798.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8798.8	0.0	8798.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17597.7	0.0	17597.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	1.8
10°-20°	983.1	5.6
20°-30°	1819.6	10.3
30°-40°	3043.8	17.3
40°-50°	4638.2	26.4
50°-60°	5195.8	29.5
60°-70°	1229.4	7.0
70°-80°	331.4	1.9
80°-90°	47.7	0.3
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°	17597.7	100.0
0°-180°	17597.7	100.0

Coefficient of Utilization



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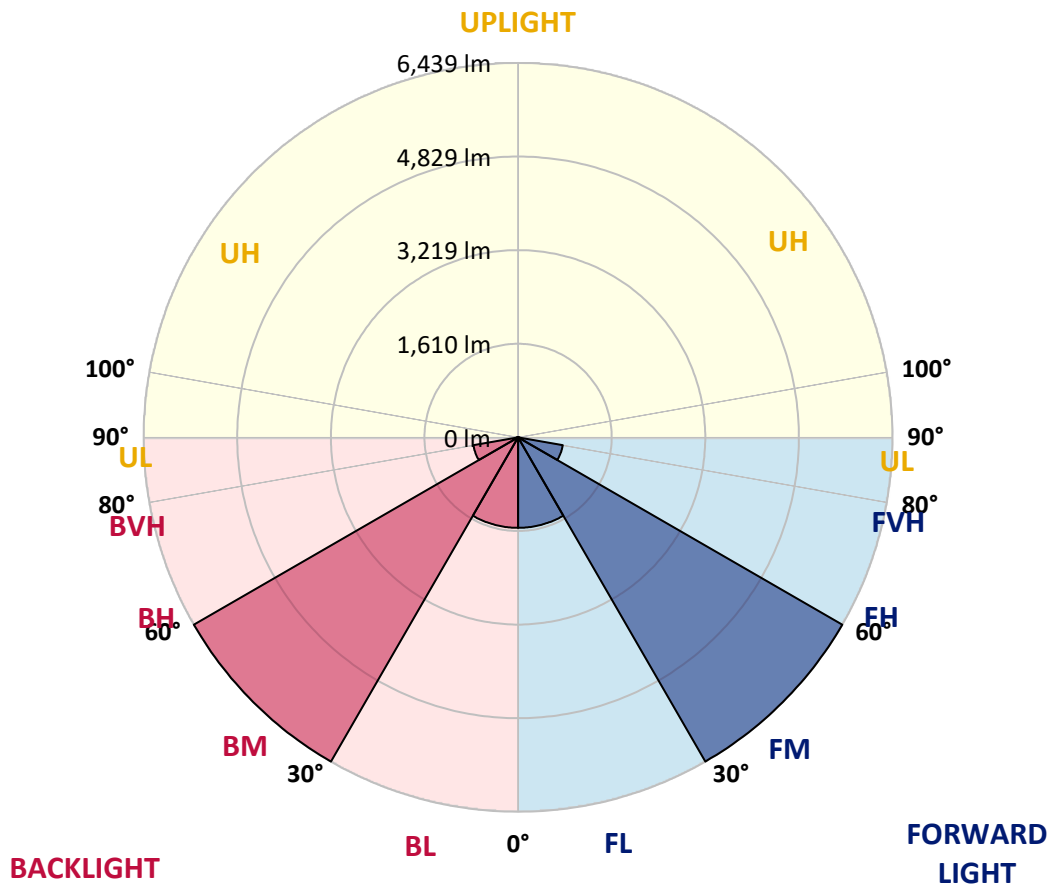
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1555.7	8.8			
FM (30°-60°)	6438.9	36.6			
FH (60°-80°)	780.4	4.4			G1/1800
FVH (80°-90°)	23.8	0.1			G1/100
BL (0°-30°)	1555.7	8.8	B3/2500		
BM (30°-60°)	6438.9	36.6	B4/8500		
BH (60°-80°)	780.4	4.4	B2/1000		G1/1800
BVH (80°-90°)	23.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3165.9	3165.9	3165.9	3165.9	3165.9	3165.9	3165.9	3165.9	3165.9	3165.9	3165.9
2.5°	3158.9	3158.9	3164.5	3171.4	3172.8	3186.7	3184.0	3178.4	3175.6	3170.0	3182.6
5°	3193.7	3195.1	3199.3	3203.4	3200.7	3211.8	3207.6	3200.7	3196.5	3189.5	3202.1
7.5°	3239.6	3239.6	3243.8	3249.4	3246.6	3263.3	3254.9	3245.2	3238.2	3229.9	3241.0
10°	3281.4	3284.2	3288.3	3299.5	3305.0	3323.1	3317.6	3303.6	3292.5	3282.8	3295.3
12.5°	3344.0	3346.8	3351.0	3366.3	3376.0	3394.1	3385.7	3366.3	3349.6	3335.6	3349.6
15°	3424.7	3421.9	3433.1	3452.5	3465.1	3481.8	3472.0	3438.6	3416.4	3398.3	3412.2
17.5°	3506.8	3505.4	3516.6	3541.6	3559.7	3582.0	3565.3	3526.3	3502.6	3480.4	3494.3
20°	3595.9	3600.1	3611.2	3634.8	3661.3	3690.5	3676.6	3634.8	3608.4	3583.4	3594.5
22.5°	3705.8	3707.2	3719.7	3750.3	3785.1	3813.0	3804.6	3753.1	3719.7	3693.3	3707.2
25°	3838.0	3836.6	3853.3	3889.5	3938.2	3966.0	3947.9	3890.9	3854.7	3824.1	3835.2
27.5°	3989.7	3988.3	4013.4	4060.7	4130.2	4169.2	4131.6	4060.7	4010.6	3967.4	3977.2
30°	4180.3	4176.2	4204.0	4268.0	4358.5	4423.9	4368.2	4269.4	4204.0	4158.1	4167.8
32.5°	4391.9	4397.4	4432.2	4518.5	4632.6	4717.5	4634.0	4524.1	4436.4	4369.6	4380.7
35°	4624.3	4624.3	4695.2	4802.4	4965.2	5077.9	4948.5	4789.9	4673.0	4581.1	4583.9
37.5°	4883.1	4885.9	4979.1	5126.6	5339.5	5471.7	5296.4	5100.2	4958.2	4859.4	4853.9
40°	5199.0	5207.3	5303.4	5467.6	5706.9	5828.0	5640.1	5448.1	5303.4	5186.5	5175.3
42.5°	5555.2	5558.0	5659.6	5807.1	6008.9	6081.3	5933.8	5776.5	5658.2	5552.5	5541.3
45°	5894.8	5887.8	5975.5	6085.4	6202.3	6209.3	6127.2	6063.2	5960.2	5869.7	5853.0
47.5°	6159.2	6153.6	6232.9	6292.8	6306.7	6238.5	6265.0	6274.7	6155.0	6032.6	6000.5
50°	6320.6	6331.7	6406.9	6440.3	6358.2	6246.9	6347.1	6322.0	6150.8	5990.8	5939.3
52.5°	6418.0	6434.7	6565.5	6650.4	6565.5	6459.8	6473.7	6326.2	6079.9	5868.3	5801.6
55°	6171.7	6238.5	6521.0	6896.7	7035.9	6962.1	6697.7	6317.8	5861.4	5553.8	5496.8
57.5°	4574.2	4679.9	5098.8	5912.9	6759.0	7027.5	6255.2	5296.4	4604.8	4209.6	4176.2
60°	2335.1	2453.4	2788.8	3625.1	4713.3	5091.8	4357.1	3391.3	2695.5	2375.4	2339.3
62.5°	953.2	972.7	1082.7	1405.5	2083.2	2403.3	2111.0	1482.0	1113.3	1025.6	1027.0
65°	750.1	754.2	748.7	768.2	872.5	968.5	894.8	786.2	766.8	776.5	769.6
67.5°	654.0	655.4	651.3	651.3	655.4	651.3	659.6	663.8	666.6	677.7	670.7
70°	546.9	548.3	548.3	551.1	549.7	542.7	555.2	560.8	562.2	569.2	565.0
72.5°	423.0	427.2	430.0	431.4	430.0	425.8	432.8	442.5	441.1	448.1	441.1
75°	286.7	292.2	295.0	300.6	299.2	299.2	307.5	311.7	307.5	313.1	307.5
77.5°	162.8	167.0	175.3	180.9	186.5	190.6	196.2	199.0	197.6	200.4	197.6
80°	94.6	96.0	103.0	105.8	112.7	119.7	125.2	128.0	129.4	130.8	129.4
82.5°	54.3	55.7	58.4	61.2	66.8	72.4	77.9	82.1	82.1	83.5	82.1
85°	26.4	26.4	27.8	29.2	32.0	36.2	40.4	44.5	45.9	45.9	45.9
87.5°	4.2	4.2	5.6	5.6	7.0	8.3	11.1	13.9	15.3	15.3	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)