

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: P642910

Luminaire Tested: GWS-SA6D-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29469.2 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

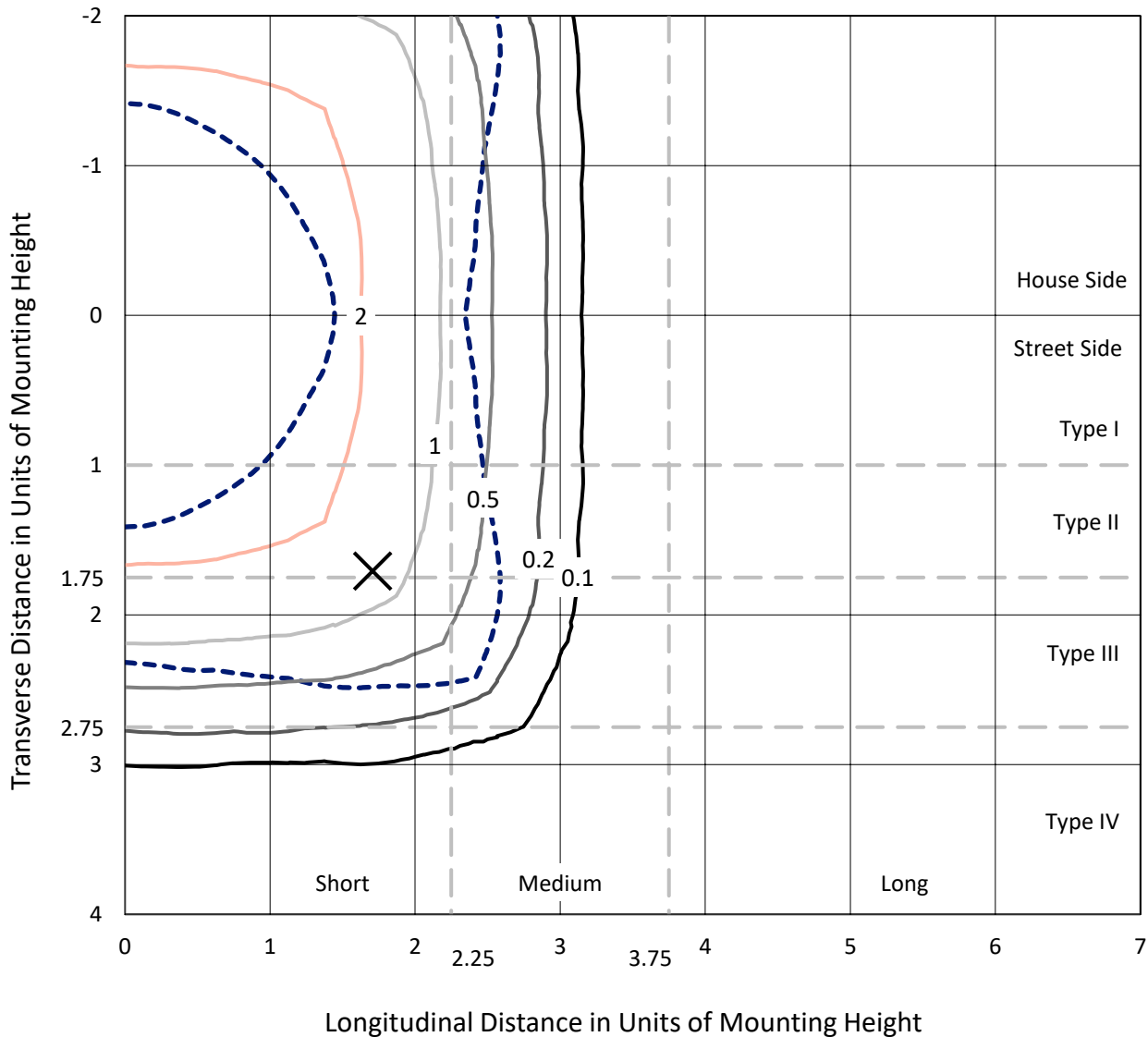
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

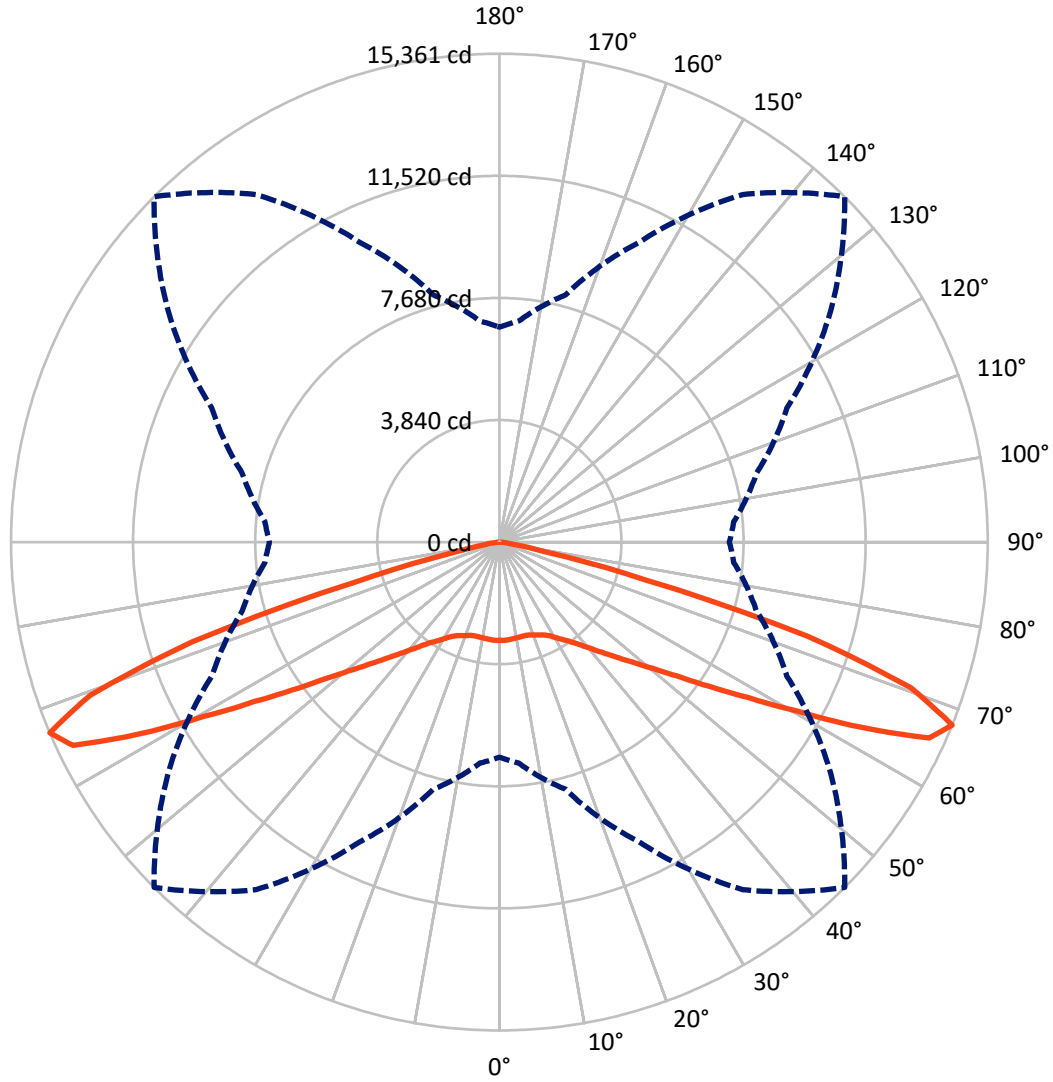
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14734.6	0.0	14734.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14734.6	0.0	14734.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	29469.2	0.0	29469.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.1	1.0
10°-20°	858.0	2.9
20°-30°	1479.8	5.0
30°-40°	2406.1	8.2
40°-50°	4051.4	13.7
50°-60°	7178.4	24.4
60°-70°	10261.0	34.8
70°-80°	2816.2	9.6
80°-90°	126.2	0.4
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°	29469.2	100.0
0°-180°	29469.2	100.0

Coefficient of Utilization



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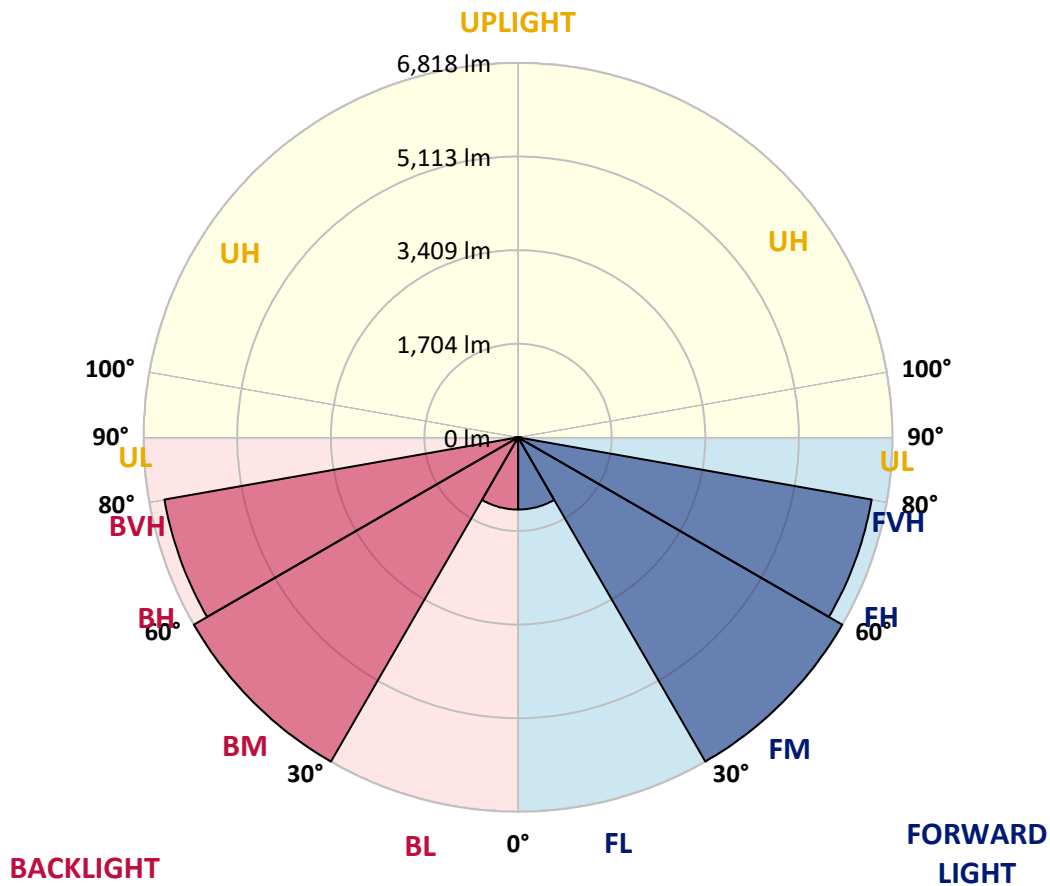
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1314.9	4.5			
FM (30°-60°)	6818.0	23.1			
FH (60°-80°)	6538.6	22.2			G3/7500
FVH (80°-90°)	63.1	0.2			G1/100
BL (0°-30°)	1314.9	4.5	B3/2500		
BM (30°-60°)	6818.0	23.1	B4/8500		
BH (60°-80°)	6538.6	22.2	B5		G3/7500
BVH (80°-90°)	63.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3086.4	3086.4	3086.4	3086.4	3086.4	3086.4	3086.4	3086.4	3086.4	3086.4	3086.4
2.5°	3066.0	3063.9	3074.1	3080.3	3078.2	3092.5	3090.5	3086.4	3086.4	3080.3	3096.6
5°	3066.0	3063.9	3072.1	3074.1	3070.1	3082.3	3078.2	3074.1	3074.1	3066.0	3080.3
7.5°	3049.7	3051.7	3057.8	3061.9	3057.8	3068.0	3061.9	3053.7	3051.7	3043.5	3057.8
10°	3019.1	3021.1	3027.2	3037.4	3039.5	3057.8	3047.6	3033.3	3027.2	3019.1	3033.3
12.5°	3000.7	3002.7	3008.9	3021.1	3025.2	3049.7	3039.5	3017.0	3006.8	2998.7	3012.9
15°	2996.6	2998.7	3006.8	3019.1	3025.2	3049.7	3039.5	3012.9	2998.7	2988.5	3000.7
17.5°	2996.6	3000.7	3012.9	3031.3	3043.5	3068.0	3055.8	3025.2	3004.8	2986.4	2998.7
20°	2998.7	3004.8	3023.1	3049.7	3080.3	3114.9	3098.6	3057.8	3029.3	3006.8	3015.0
22.5°	3017.0	3027.2	3049.7	3084.3	3129.2	3170.0	3155.7	3100.7	3059.9	3029.3	3037.4
25°	3080.3	3084.3	3112.9	3157.8	3200.6	3235.3	3221.0	3170.0	3119.0	3082.3	3092.5
27.5°	3192.5	3202.7	3227.1	3274.1	3310.8	3329.1	3327.1	3292.4	3241.4	3208.8	3216.9
30°	3327.1	3337.3	3369.9	3423.0	3459.7	3480.1	3474.0	3447.4	3400.5	3355.6	3363.8
32.5°	3484.2	3488.2	3527.0	3586.2	3624.9	3655.5	3635.1	3606.6	3547.4	3494.4	3498.4
35°	3684.1	3690.2	3731.0	3786.1	3816.7	3841.1	3837.1	3808.5	3745.3	3688.2	3702.4
37.5°	3935.0	3939.1	3975.8	4045.1	4069.6	4088.0	4092.1	4077.8	4012.5	3939.1	3953.3
40°	4247.1	4249.1	4289.9	4351.1	4377.6	4389.9	4391.9	4394.0	4326.6	4271.6	4267.5
42.5°	4610.2	4620.4	4677.5	4736.7	4748.9	4742.8	4763.2	4783.6	4718.3	4642.8	4648.9
45°	5044.7	5050.8	5128.3	5193.6	5171.2	5150.8	5189.5	5230.3	5171.2	5073.2	5044.7
47.5°	5558.7	5571.0	5654.6	5719.9	5683.2	5646.5	5709.7	5752.5	5656.7	5552.6	5526.1
50°	6140.1	6148.3	6266.6	6348.2	6305.4	6238.0	6317.6	6362.5	6234.0	6105.4	6048.3
52.5°	6827.6	6811.2	6968.3	7111.1	7084.6	6996.9	7062.2	7070.3	6878.6	6697.0	6639.9
55°	7666.0	7649.7	7806.7	7963.8	8029.1	8006.6	7976.0	7927.1	7643.5	7449.7	7396.7
57.5°	8643.1	8592.1	8812.4	9024.5	9167.3	9208.1	9077.6	8963.4	8739.0	8500.3	8439.1
60°	9550.8	9548.8	9897.6	10264.8	10656.5	10819.7	10489.2	10179.1	9675.3	9240.8	9153.1
62.5°	9805.8	9848.7	10419.8	11329.6	12296.6	12873.9	12002.8	10976.7	10003.7	9348.9	9232.6
65°	9177.5	9283.6	10095.5	11531.6	13440.9	14852.6	12886.1	10995.1	9638.6	8822.6	8700.2
67.5°	6764.3	6976.5	8051.5	10405.6	13343.0	15360.5	12729.0	9977.2	8371.8	7400.8	7231.5
70°	3337.3	3539.2	4391.9	6845.9	10978.8	13730.6	11013.5	7519.1	5654.6	4720.3	4565.3
72.5°	1228.0	1309.6	1644.2	2929.3	6058.5	10142.4	7531.3	4200.2	2739.6	2180.7	2076.6
75°	601.8	616.1	667.0	983.2	2235.7	4773.4	3539.2	1611.5	1007.7	877.2	848.6
77.5°	383.5	389.6	414.1	469.2	718.0	1503.4	1073.0	636.5	493.7	473.3	473.3
80°	214.2	220.3	252.9	291.7	336.6	516.1	385.5	381.5	324.3	283.5	277.4
82.5°	102.0	112.2	161.2	159.1	177.5	259.1	226.4	206.0	208.1	157.1	148.9
85°	46.9	46.9	63.2	75.5	79.6	87.7	104.0	118.3	116.3	79.6	85.7
87.5°	22.4	22.4	22.4	20.4	18.4	16.3	22.4	36.7	53.0	36.7	34.7
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)