

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: P641919

Luminaire Tested: GWS-SA6B-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14726.7 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

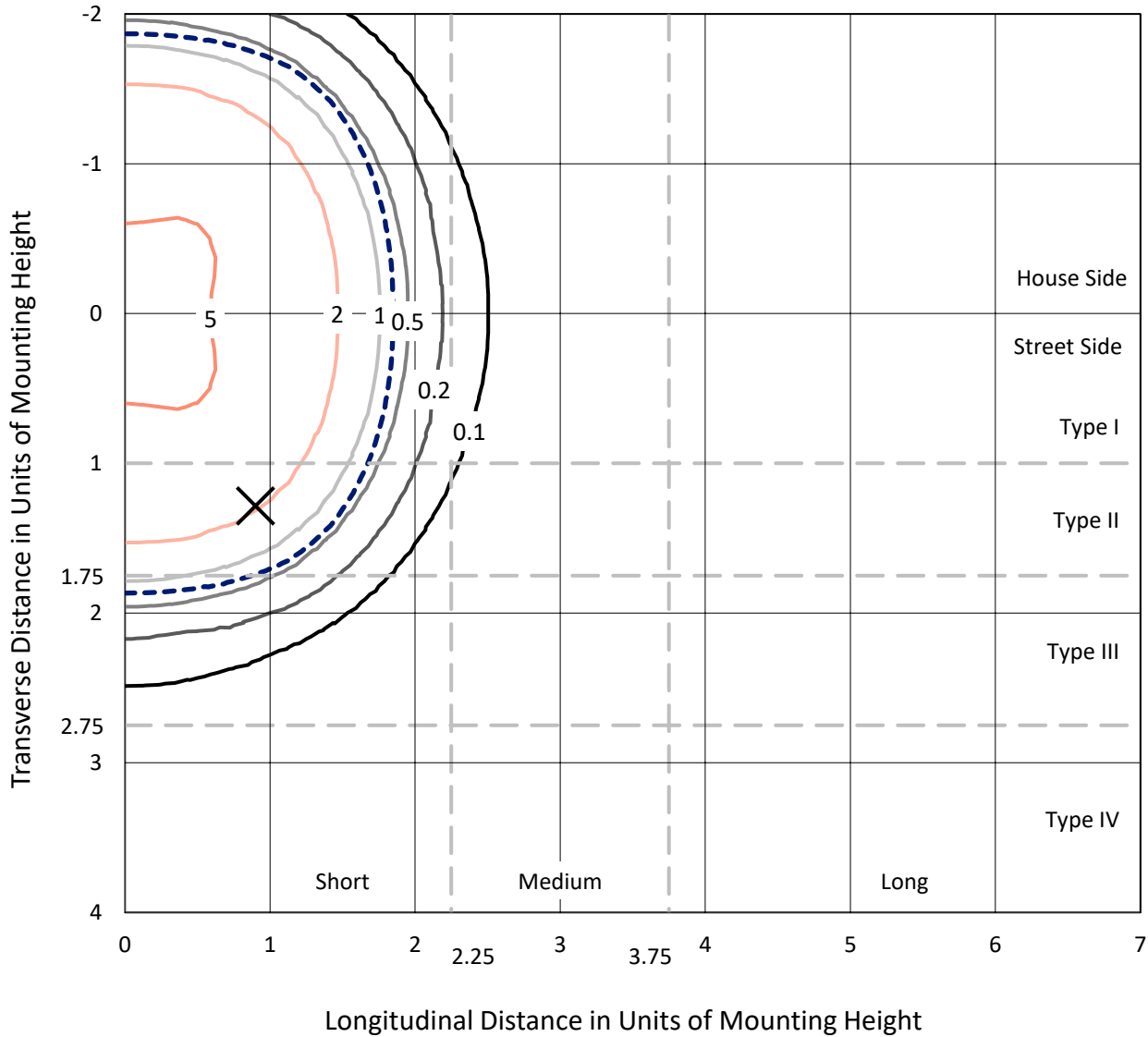
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

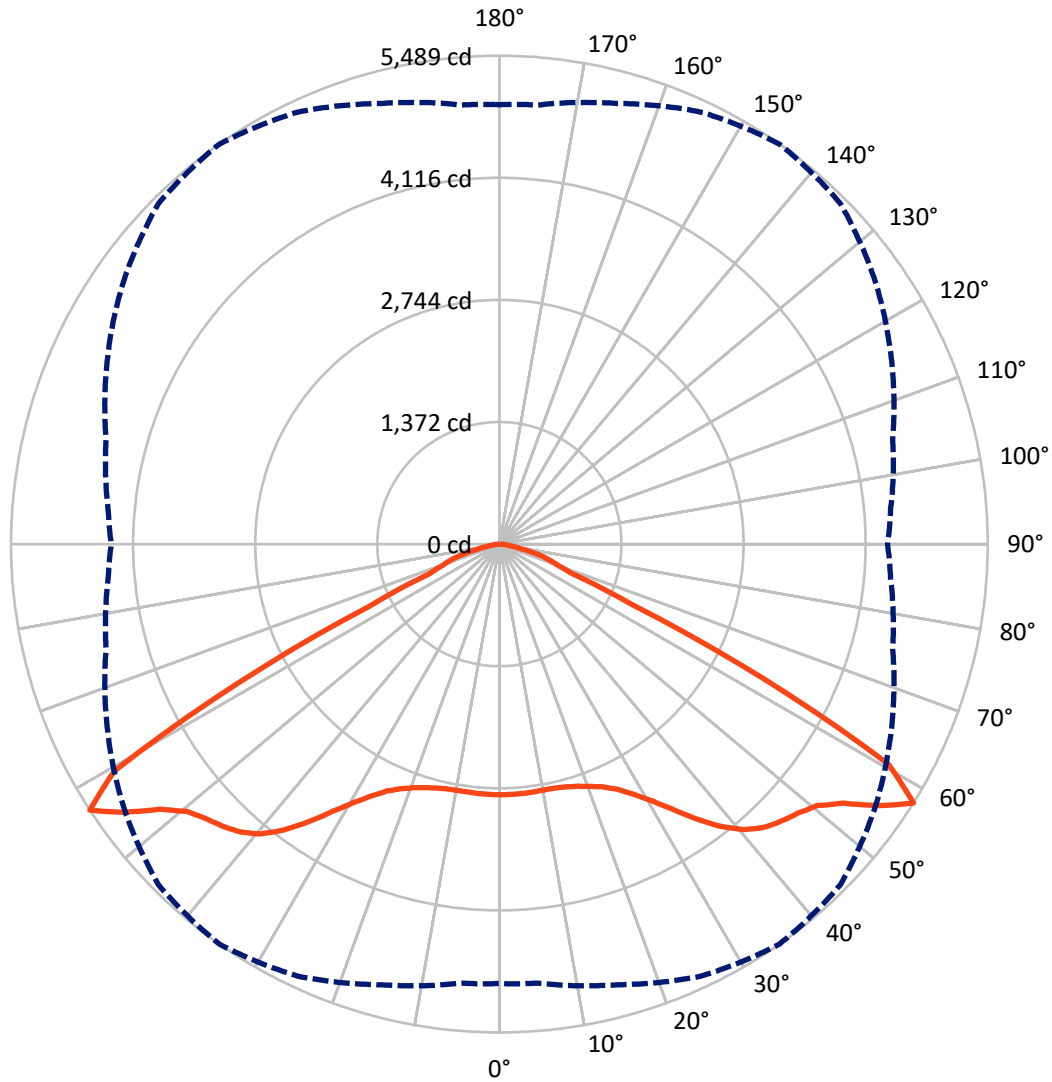
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7363.4	0.0	7363.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7363.4	0.0	7363.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14726.7	0.0	14726.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.1	1.8
10°-20°	799.8	5.4
20°-30°	1395.4	9.5
30°-40°	2288.2	15.5
40°-50°	3370.0	22.9
50°-60°	4300.7	29.2
60°-70°	1812.5	12.3
70°-80°	433.0	2.9
80°-90°	58.9	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°	14726.7	100.0
0°-180°	14726.7	100.0

Coefficient of Utilization



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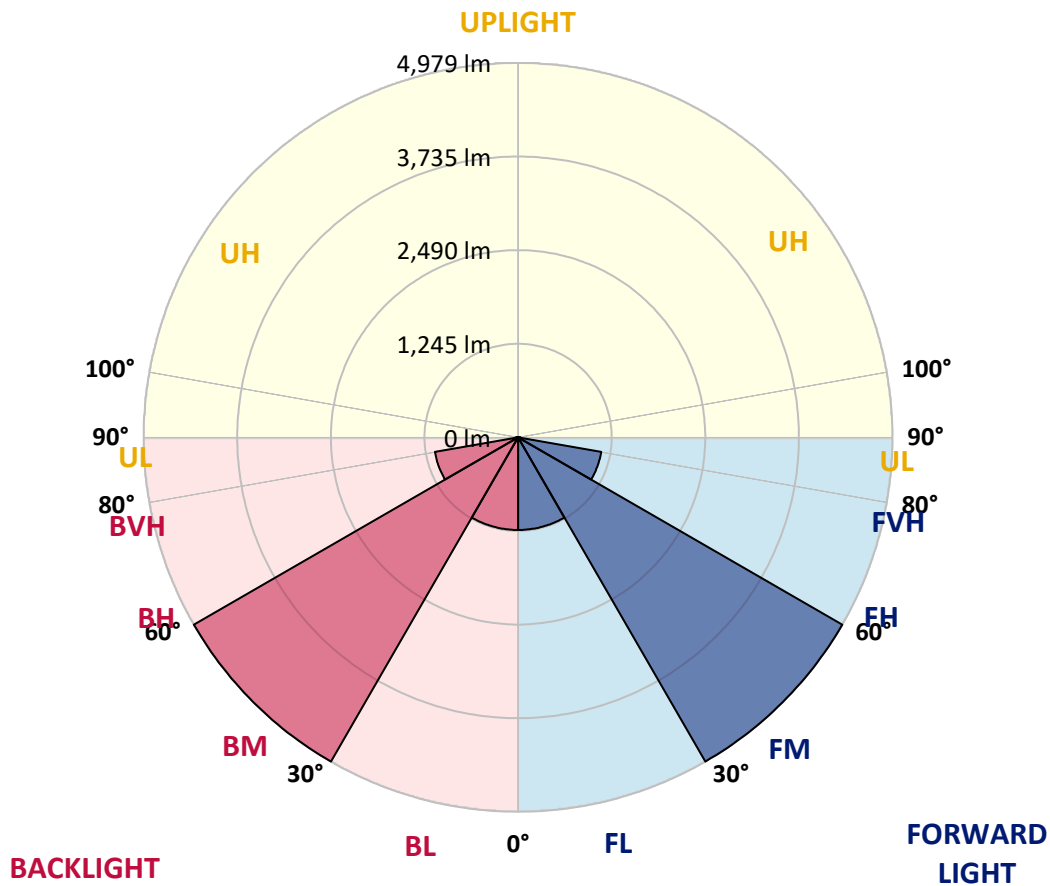
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.6	8.4			
FM (30°-60°)	4979.5	33.8			
FH (60°-80°)	1122.7	7.6			G1/1800
FVH (80°-90°)	29.5	0.2			G1/100
BL (0°-30°)	1231.6	8.4	B3/2500		
BM (30°-60°)	4979.5	33.8	B3/5000		
BH (60°-80°)	1122.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	29.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2817.8	2817.8	2817.8	2817.8	2817.8	2817.8	2817.8	2817.8	2817.8	2817.8	2817.8
2.5°	2800.9	2800.9	2806.9	2813.0	2815.4	2826.2	2825.0	2821.4	2819.0	2811.8	2821.4
5°	2806.9	2806.9	2811.8	2815.4	2814.2	2822.6	2819.0	2813.0	2809.3	2802.1	2813.0
7.5°	2805.7	2805.7	2809.3	2813.0	2810.6	2817.8	2811.8	2803.3	2797.3	2790.1	2799.7
10°	2790.1	2792.5	2796.1	2804.5	2808.1	2819.0	2810.6	2797.3	2787.6	2779.2	2788.8
12.5°	2787.6	2790.1	2794.9	2805.7	2811.8	2827.4	2816.6	2794.9	2780.4	2769.6	2779.2
15°	2798.5	2800.9	2808.1	2821.4	2831.0	2847.9	2832.3	2802.1	2781.6	2767.1	2775.6
17.5°	2811.8	2815.4	2826.2	2845.5	2861.2	2879.3	2860.0	2823.8	2794.9	2775.6	2782.8
20°	2826.2	2831.0	2847.9	2876.9	2905.8	2928.7	2904.6	2856.4	2821.4	2796.1	2803.3
22.5°	2851.5	2857.6	2879.3	2920.3	2963.7	2997.4	2967.3	2902.2	2856.4	2823.8	2829.8
25°	2903.4	2910.6	2938.4	2987.8	3049.3	3090.3	3048.1	2974.5	2910.6	2870.8	2876.9
27.5°	2995.0	2998.6	3034.8	3099.9	3175.9	3222.9	3172.3	3085.5	3014.3	2968.5	2973.3
30°	3115.6	3126.5	3162.6	3248.2	3338.7	3401.4	3335.0	3232.6	3150.6	3095.1	3099.9
32.5°	3262.7	3269.9	3324.2	3413.4	3543.6	3616.0	3525.5	3403.8	3304.9	3237.4	3242.2
35°	3455.6	3461.6	3513.5	3626.8	3784.8	3852.3	3748.6	3608.7	3494.2	3430.3	3448.4
37.5°	3685.9	3696.8	3734.1	3846.3	4022.3	4088.6	3969.3	3839.0	3719.7	3660.6	3673.9
40°	3933.1	3931.9	3962.0	4060.9	4221.3	4262.2	4154.9	4051.2	3948.8	3910.2	3931.9
42.5°	4145.3	4139.3	4161.0	4243.0	4353.9	4357.5	4286.4	4228.5	4156.1	4129.6	4150.1
45°	4293.6	4296.0	4328.6	4385.2	4441.9	4411.8	4390.1	4380.4	4323.7	4287.6	4291.2
47.5°	4410.6	4420.2	4472.0	4510.6	4517.9	4467.2	4497.4	4511.8	4464.8	4409.3	4393.7
50°	4514.2	4529.9	4597.4	4638.4	4622.8	4558.9	4617.9	4639.6	4535.9	4429.8	4398.5
52.5°	4702.3	4720.4	4802.4	4855.5	4837.4	4773.5	4828.9	4751.8	4576.9	4446.7	4406.9
55°	5002.6	5011.0	5111.1	5197.9	5189.5	5111.1	5066.5	4895.3	4683.0	4548.0	4510.6
57.5°	4938.7	4953.1	5126.8	5358.3	5488.5	5417.3	5155.7	4863.9	4575.7	4413.0	4362.3
60°	3886.1	3921.0	4136.9	4544.4	5021.9	5020.6	4534.7	4081.4	3734.1	3518.3	3496.6
62.5°	2269.2	2293.3	2489.8	2902.2	3330.2	3356.7	3015.5	2704.4	2400.6	2254.7	2184.8
65°	1074.3	1073.1	1151.5	1337.2	1626.5	1649.4	1546.9	1376.9	1197.3	1147.9	1134.6
67.5°	793.4	793.4	787.3	800.6	856.1	868.1	856.1	828.3	811.5	822.3	815.1
70°	688.5	689.7	682.4	678.8	678.8	675.2	680.0	690.9	698.1	712.6	705.4
72.5°	558.3	559.5	559.5	560.7	561.9	557.0	564.3	570.3	571.5	576.3	571.5
75°	396.7	399.1	406.3	412.4	417.2	417.2	419.6	420.8	416.0	422.0	412.4
77.5°	218.2	220.6	233.9	244.8	255.6	256.8	260.4	262.8	260.4	265.3	258.0
80°	120.6	123.0	129.0	133.8	142.3	149.5	154.3	156.7	156.7	160.4	156.7
82.5°	68.7	71.1	74.8	77.2	84.4	90.4	95.3	98.9	98.9	100.1	97.7
85°	32.6	32.6	35.0	37.4	41.0	43.4	49.4	53.1	53.1	55.5	53.1
87.5°	4.8	6.0	7.2	7.2	9.6	12.1	14.5	15.7	18.1	19.3	19.3
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)