

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: P641815

Luminaire Tested: GWS-SA6B-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18040.3 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

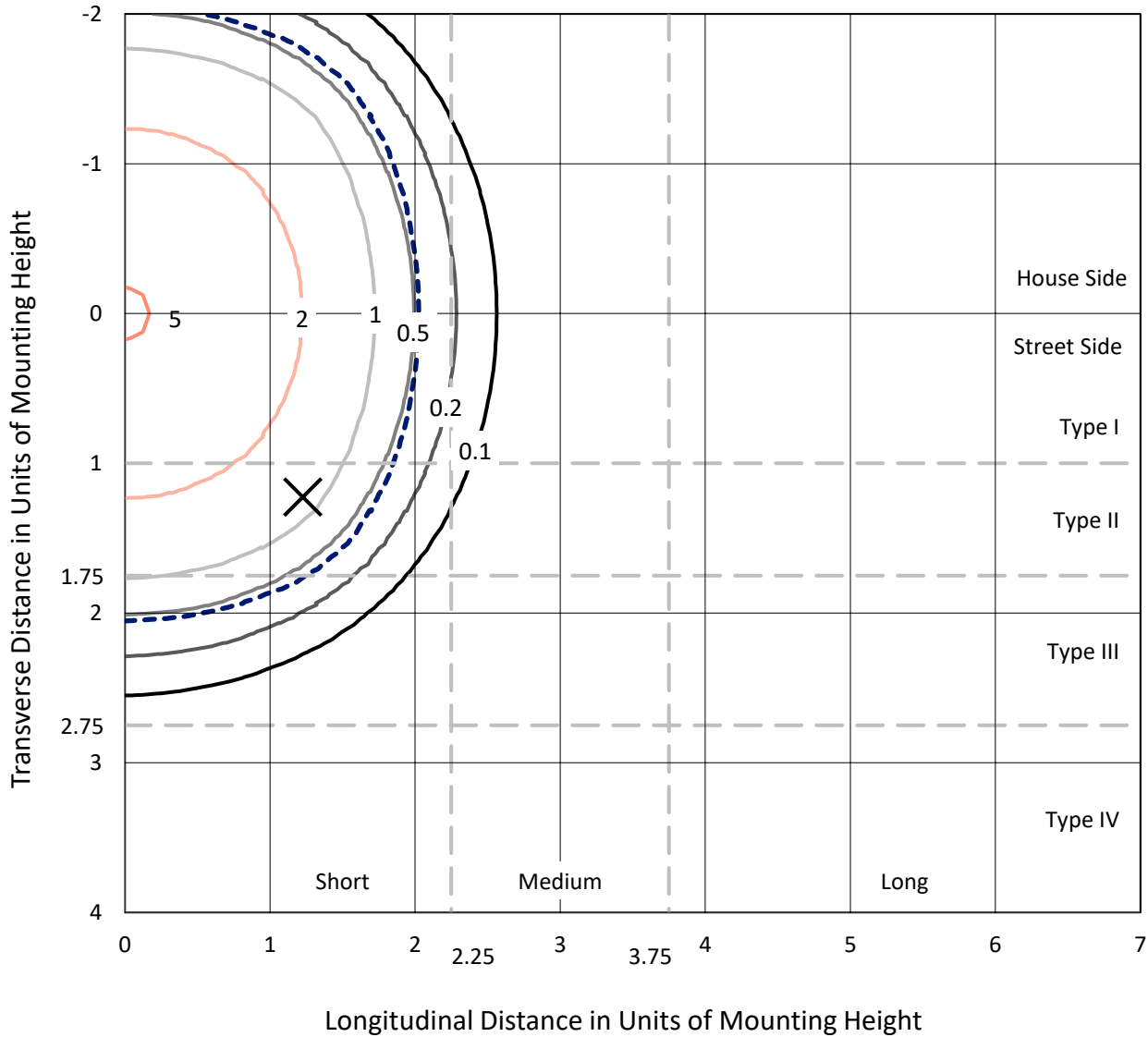
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

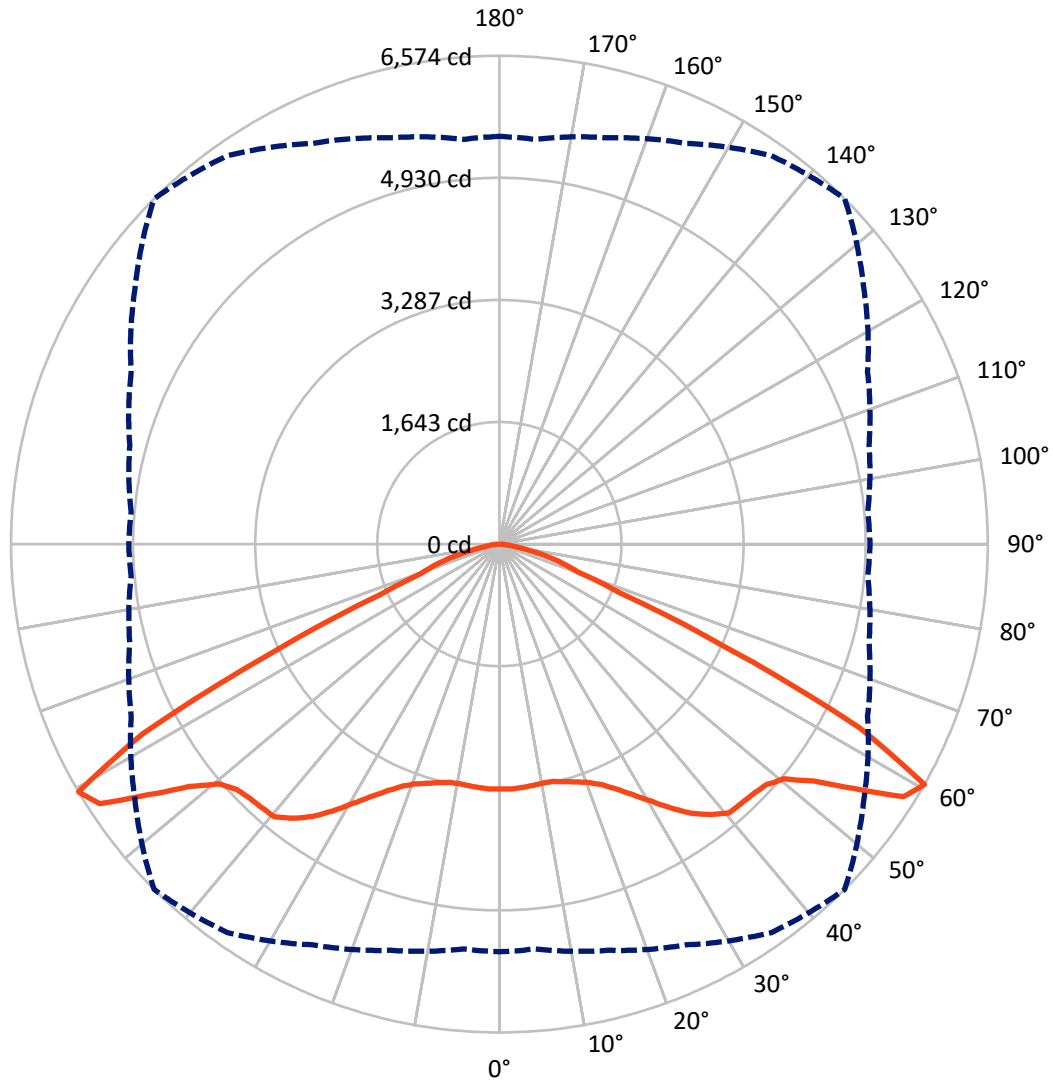
✕ Max cd
 - - - 1/2 Max cd



Based on 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 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9020.1	0.0	9020.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9020.1	0.0	9020.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	18040.3	0.0	18040.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.7	1.7
10°-20°	940.4	5.2
20°-30°	1663.8	9.2
30°-40°	2678.7	14.8
40°-50°	3681.8	20.4
50°-60°	4906.4	27.2
60°-70°	3057.9	17.0
70°-80°	703.2	3.9
80°-90°	95.4	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°	18040.3	100.0
0°-180°	18040.3	100.0

Coefficient of Utilization



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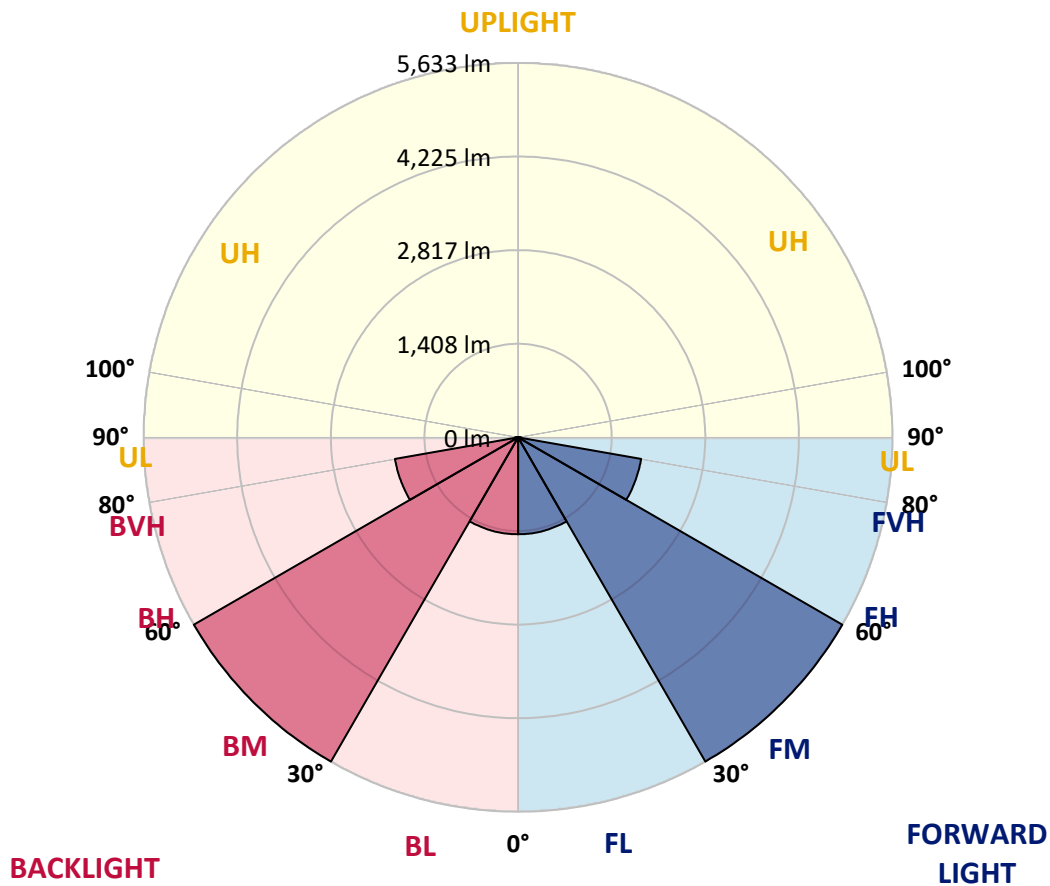
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1458.4	8.1			
FM (30°-60°)	5633.5	31.2			
FH (60°-80°)	1880.5	10.4			G2/5000
FVH (80°-90°)	47.7	0.3			G1/100
BL (0°-30°)	1458.4	8.1	B3/2500		
BM (30°-60°)	5633.5	31.2	B4/8500		
BH (60°-80°)	1880.5	10.4	B3/2500		G2/5000
BVH (80°-90°)	47.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3296.8	3296.8	3296.8	3296.8	3296.8	3296.8	3296.8	3296.8	3296.8	3296.8	3296.8
2.5°	3273.9	3276.9	3283.1	3287.7	3293.8	3299.9	3303.0	3296.8	3293.8	3281.5	3295.3
5°	3276.9	3280.0	3284.6	3284.6	3286.1	3290.7	3290.7	3283.1	3275.4	3261.6	3276.9
7.5°	3272.3	3275.4	3276.9	3275.4	3276.9	3278.5	3275.4	3266.2	3258.6	3246.3	3258.6
10°	3264.7	3267.7	3270.8	3267.7	3264.7	3269.3	3269.3	3263.2	3258.6	3246.3	3260.1
12.5°	3281.5	3286.1	3287.7	3280.0	3276.9	3278.5	3278.5	3272.3	3272.3	3261.6	3276.9
15°	3321.3	3324.4	3319.8	3310.6	3312.2	3316.7	3306.0	3290.7	3287.7	3283.1	3295.3
17.5°	3352.0	3355.0	3350.4	3344.3	3355.0	3365.7	3345.8	3316.7	3307.6	3304.5	3318.3
20°	3385.7	3390.2	3384.1	3391.8	3413.2	3425.5	3401.0	3361.2	3342.8	3338.2	3355.0
22.5°	3440.8	3446.9	3446.9	3463.7	3495.9	3515.8	3485.2	3431.6	3404.0	3396.4	3413.2
25°	3528.1	3532.7	3537.2	3570.9	3623.0	3650.6	3601.6	3528.1	3489.8	3477.5	3486.7
27.5°	3649.0	3656.7	3664.3	3713.3	3777.7	3817.5	3747.0	3655.2	3607.7	3583.2	3601.6
30°	3793.0	3803.7	3822.1	3877.2	3967.5	4011.9	3921.6	3809.8	3756.2	3730.2	3754.7
32.5°	3989.0	3990.5	4004.3	4065.5	4185.0	4235.5	4122.2	3998.2	3943.0	3912.4	3926.2
35°	4221.7	4223.3	4201.8	4264.6	4393.2	4449.9	4316.7	4191.1	4145.2	4136.0	4171.2
37.5°	4460.6	4446.8	4425.4	4453.0	4583.1	4619.9	4479.0	4371.8	4351.9	4368.7	4420.8
40°	4630.6	4607.6	4564.7	4584.6	4716.3	4759.2	4609.1	4508.1	4502.0	4543.3	4606.1
42.5°	4740.8	4716.3	4665.8	4665.8	4756.1	4774.5	4658.1	4604.5	4618.3	4665.8	4725.5
45°	4794.4	4780.6	4751.6	4736.2	4786.8	4794.4	4705.6	4684.2	4710.2	4733.2	4779.1
47.5°	4835.8	4835.8	4826.6	4811.3	4834.2	4838.8	4773.0	4766.9	4800.6	4800.6	4831.2
50°	4909.3	4916.9	4929.2	4926.1	4950.6	4965.9	4916.9	4907.7	4921.5	4877.1	4892.4
52.5°	5102.2	5122.1	5157.3	5184.9	5247.7	5295.2	5207.9	5134.4	5062.4	4964.4	4967.5
55°	5448.3	5457.5	5526.4	5607.5	5713.2	5809.7	5630.5	5402.3	5246.2	5131.3	5132.8
57.5°	5740.8	5754.5	5855.6	6025.6	6262.9	6413.0	6016.4	5635.1	5414.6	5273.7	5278.3
60°	5488.1	5469.7	5661.1	5952.1	6382.4	6573.8	5988.8	5468.2	5151.2	4976.6	4988.9
62.5°	4246.2	4211.0	4423.9	4728.6	5244.6	5436.0	4897.0	4397.8	4097.7	3961.4	3941.5
65°	2584.8	2552.6	2705.8	2892.6	3241.7	3362.7	3116.1	2851.2	2589.4	2506.7	2483.7
67.5°	1407.2	1402.6	1444.0	1535.9	1689.0	1745.7	1698.2	1572.6	1505.2	1447.1	1447.1
70°	1116.3	1107.1	1099.5	1101.0	1114.8	1122.4	1124.0	1117.8	1125.5	1127.0	1120.9
72.5°	924.9	921.8	906.5	908.0	901.9	898.9	909.6	915.7	928.0	929.5	929.5
75°	670.7	663.0	670.7	672.2	666.1	666.1	673.8	672.2	678.4	681.4	664.6
77.5°	381.3	381.3	392.0	404.3	413.4	413.4	421.1	421.1	428.8	427.2	424.2
80°	209.8	209.8	215.9	223.6	232.8	241.9	249.6	251.1	255.7	254.2	249.6
82.5°	119.4	121.0	124.0	128.6	137.8	145.5	153.1	154.7	159.3	159.3	154.7
85°	56.7	55.1	56.7	59.7	64.3	70.4	78.1	82.7	85.8	85.8	82.7
87.5°	10.7	12.3	10.7	12.3	13.8	18.4	21.4	24.5	29.1	30.6	27.6
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)