

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: P641760

Luminaire Tested: GWS-SA6B-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641760
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18291 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

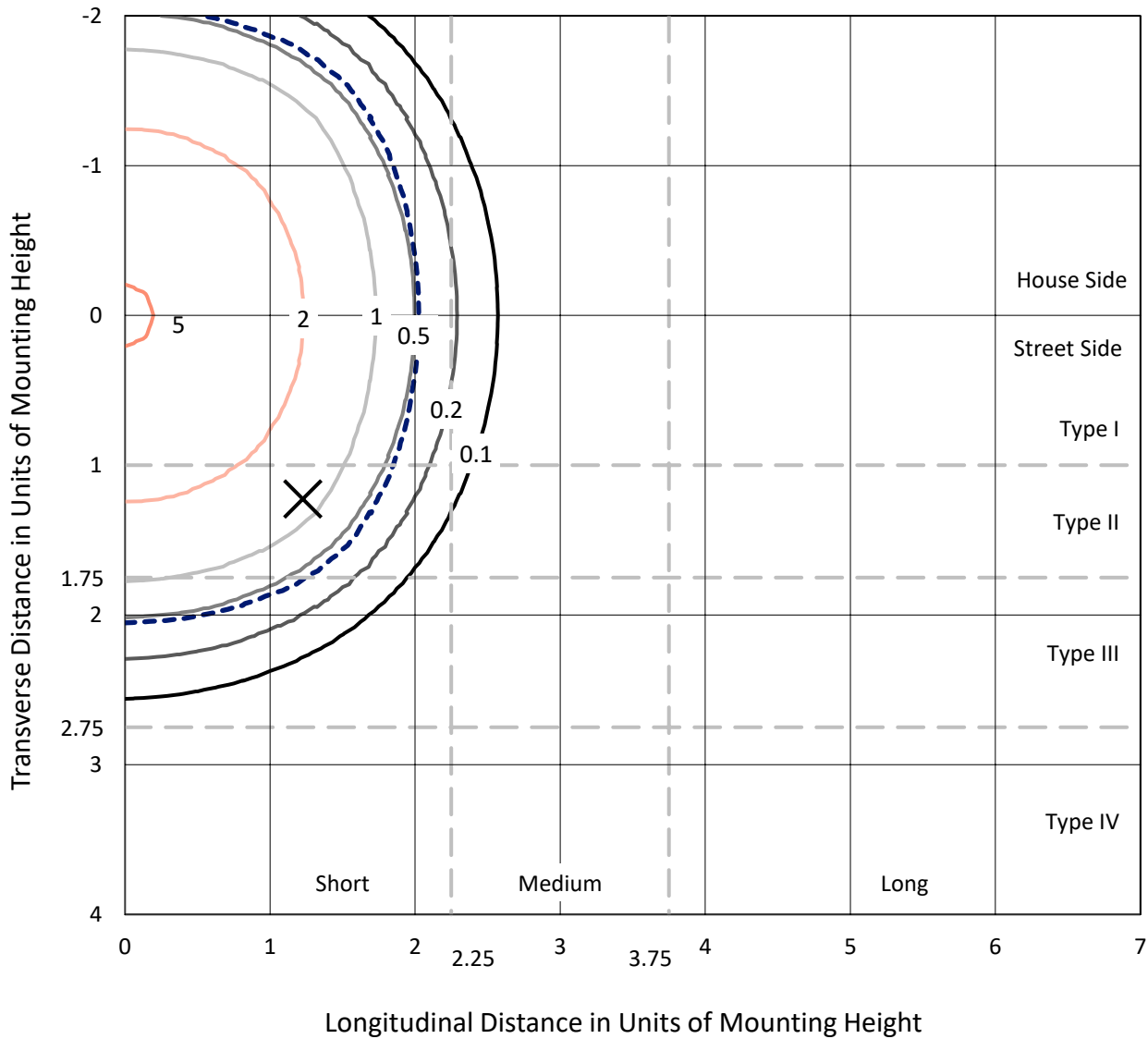
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

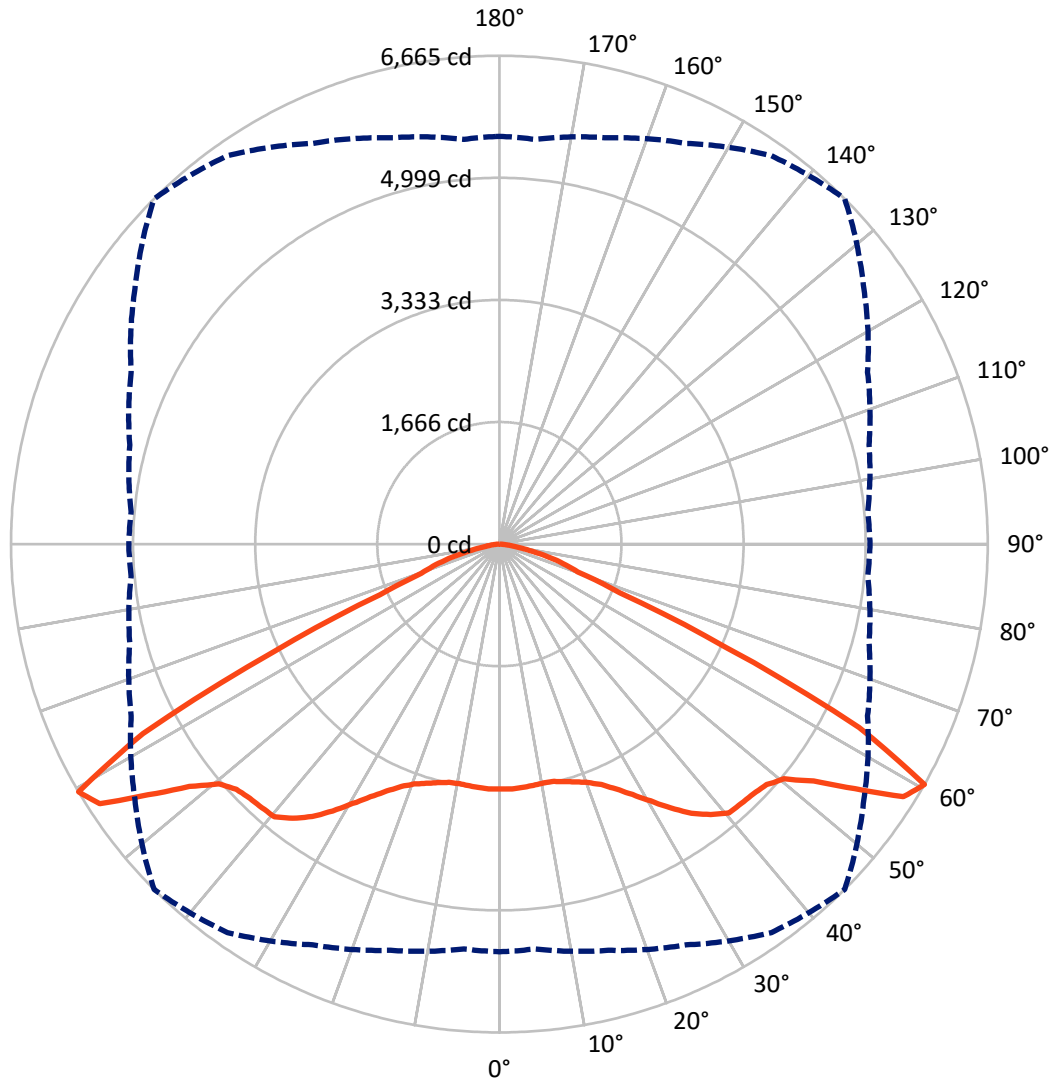
✕ Max cd
 - - - 1/2 Max cd



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	9145.5	0.0	9145.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9145.5	0.0	9145.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18291.0	0.0	18291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.0	1.7
10°-20°	953.5	5.2
20°-30°	1686.9	9.2
30°-40°	2715.9	14.8
40°-50°	3733.0	20.4
50°-60°	4974.6	27.2
60°-70°	3100.4	17.0
70°-80°	713.0	3.9
80°-90°	96.7	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°	18291.0	100.0
0°-180°	18291.0	100.0

Coefficient of Utilization



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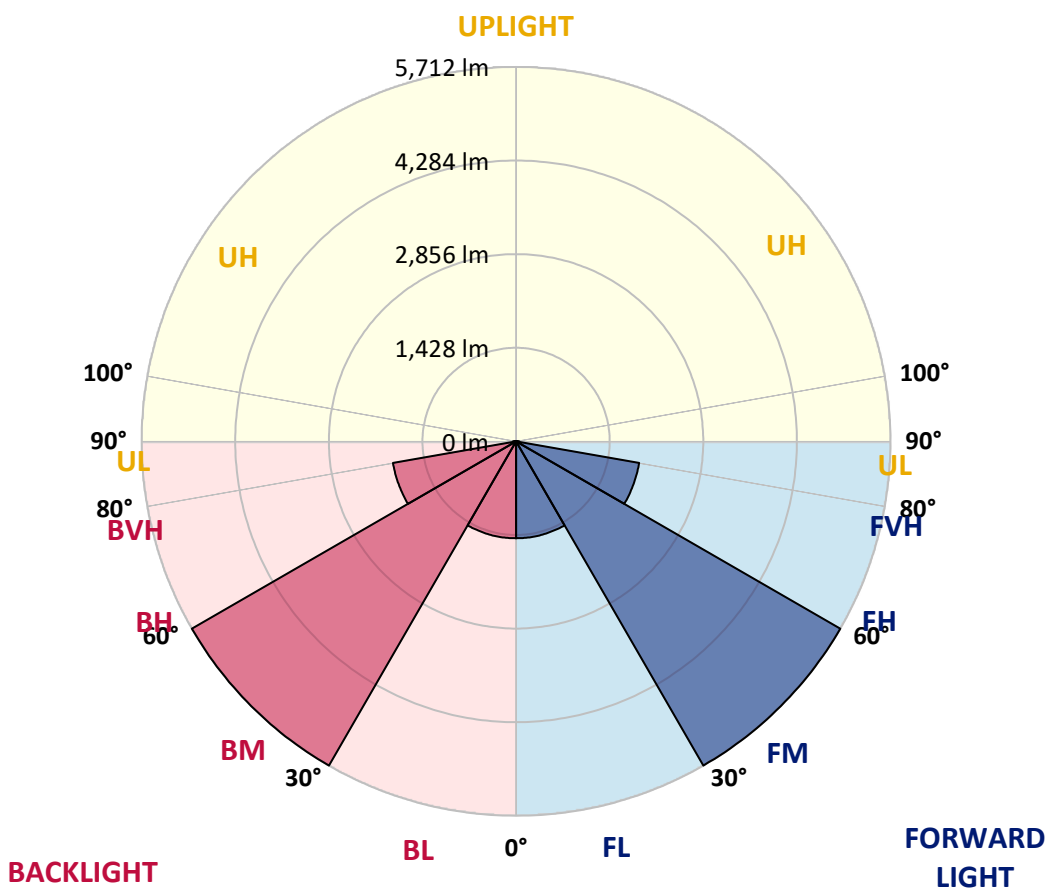
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1478.7	8.1			
FM (30°-60°)	5711.8	31.2			
FH (60°-80°)	1906.7	10.4			G2/5000
FVH (80°-90°)	48.4	0.3			G1/100
BL (0°-30°)	1478.7	8.1	B3/2500		
BM (30°-60°)	5711.8	31.2	B4/8500		
BH (60°-80°)	1906.7	10.4	B3/2500		G2/5000
BVH (80°-90°)	48.4	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°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3319.4	3322.5	3328.7	3333.3	3339.5	3345.8	3348.9	3342.7	3339.5	3327.1	3341.1
5°	3322.5	3325.6	3330.2	3330.2	3331.8	3336.4	3336.4	3328.7	3320.9	3306.9	3322.5
7.5°	3317.8	3320.9	3322.5	3320.9	3322.5	3324.0	3320.9	3311.6	3303.8	3291.4	3303.8
10°	3310.1	3313.2	3316.3	3313.2	3310.1	3314.7	3314.7	3308.5	3303.8	3291.4	3305.4
12.5°	3327.1	3331.8	3333.3	3325.6	3322.5	3324.0	3324.0	3317.8	3317.8	3306.9	3322.5
15°	3367.5	3370.6	3365.9	3356.6	3358.2	3362.8	3352.0	3336.4	3333.3	3328.7	3341.1
17.5°	3398.5	3401.7	3397.0	3390.8	3401.7	3412.5	3392.3	3362.8	3353.5	3350.4	3364.4
20°	3432.7	3437.4	3431.1	3438.9	3460.6	3473.1	3448.2	3407.9	3389.2	3384.6	3401.7
22.5°	3488.6	3494.8	3494.8	3511.9	3544.5	3564.7	3533.6	3479.3	3451.3	3443.6	3460.6
25°	3577.1	3581.7	3586.4	3620.6	3673.3	3701.3	3651.6	3577.1	3538.3	3525.9	3535.2
27.5°	3699.7	3707.5	3715.3	3764.9	3830.2	3870.5	3799.1	3706.0	3657.8	3633.0	3651.6
30°	3845.7	3856.6	3875.2	3931.1	4022.7	4067.7	3976.1	3862.8	3808.4	3782.0	3806.9
32.5°	4044.4	4046.0	4059.9	4122.0	4243.1	4294.4	4179.5	4053.7	3997.8	3966.8	3980.8
35°	4280.4	4282.0	4260.2	4323.9	4454.3	4511.7	4376.7	4249.3	4202.8	4193.5	4229.2
37.5°	4522.6	4508.6	4486.9	4514.8	4646.8	4684.1	4541.2	4432.5	4412.4	4429.4	4482.2
40°	4694.9	4671.6	4628.2	4648.4	4781.9	4825.3	4673.2	4570.7	4564.5	4606.4	4670.1
42.5°	4806.7	4781.9	4730.6	4730.6	4822.2	4840.9	4722.9	4668.5	4682.5	4730.6	4791.2
45°	4861.1	4847.1	4817.6	4802.1	4853.3	4861.1	4771.0	4749.3	4775.7	4799.0	4845.5
47.5°	4903.0	4903.0	4893.7	4878.1	4901.4	4906.1	4839.3	4833.1	4867.3	4867.3	4898.3
50°	4977.5	4985.3	4997.7	4994.6	5019.4	5034.9	4985.3	4975.9	4989.9	4944.9	4960.4
52.5°	5173.1	5193.3	5229.0	5257.0	5320.6	5368.7	5280.2	5205.7	5132.8	5033.4	5036.5
55°	5524.0	5533.3	5603.2	5685.5	5792.6	5890.4	5708.8	5477.4	5319.1	5202.6	5204.2
57.5°	5820.5	5834.5	5937.0	6109.3	6350.0	6502.1	6100.0	5713.4	5489.8	5347.0	5351.7
60°	5564.4	5545.7	5739.8	6034.8	6471.1	6665.1	6072.0	5544.2	5222.8	5045.8	5058.2
62.5°	4305.2	4269.5	4485.3	4794.3	5317.5	5511.6	4965.1	4458.9	4154.6	4016.5	3996.3
65°	2620.7	2588.1	2743.4	2932.8	3286.8	3409.4	3159.5	2890.9	2625.4	2541.5	2518.2
67.5°	1426.8	1422.1	1464.1	1557.2	1712.5	1769.9	1721.8	1594.5	1526.2	1467.2	1467.2
70°	1131.8	1122.5	1114.7	1116.3	1130.3	1138.0	1139.6	1133.4	1141.1	1142.7	1136.5
72.5°	937.7	934.6	919.1	920.7	914.5	911.4	922.2	928.4	940.8	942.4	942.4
75°	680.0	672.3	680.0	681.6	675.4	675.4	683.1	681.6	687.8	690.9	673.8
77.5°	386.6	386.6	397.5	409.9	419.2	419.2	427.0	427.0	434.7	433.2	430.1
80°	212.7	212.7	218.9	226.7	236.0	245.3	253.1	254.6	259.3	257.7	253.1
82.5°	121.1	122.7	125.8	130.4	139.7	147.5	155.3	156.8	161.5	161.5	156.8
85°	57.4	55.9	57.4	60.5	65.2	71.4	79.2	83.8	86.9	86.9	83.8
87.5°	10.9	12.4	10.9	12.4	14.0	18.6	21.7	24.8	29.5	31.1	27.9
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)