

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: P641757

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641757  
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-SA6B-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

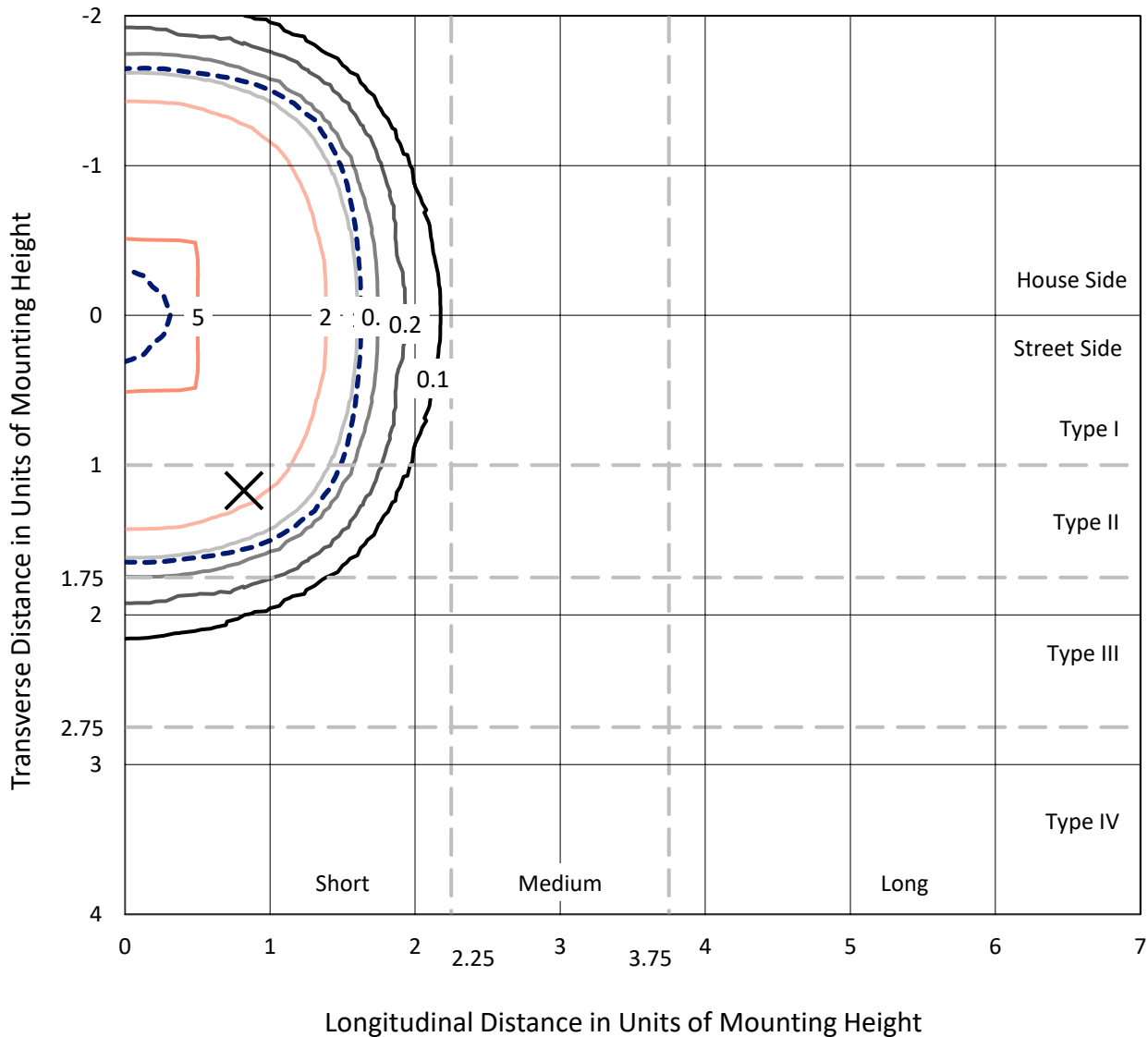
Lumens per Lamp: N/A  
Luminaire Lumens: 19633.9 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

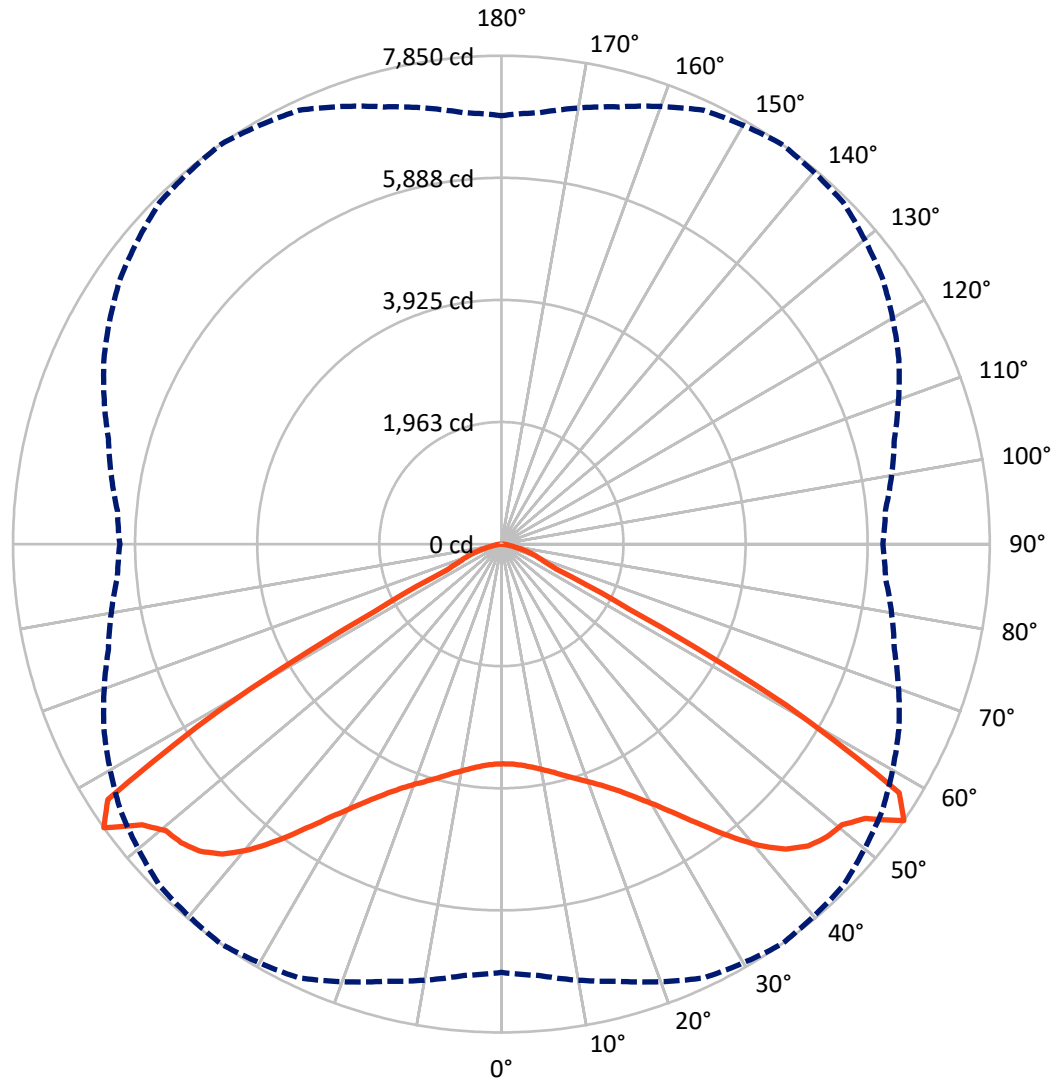
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	9816.9	0.0	9816.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9816.9	0.0	9816.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19633.9	0.0	19633.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.5	1.8
10°-20°	1096.9	5.6
20°-30°	2030.1	10.3
30°-40°	3396.0	17.3
40°-50°	5174.9	26.4
50°-60°	5796.9	29.5
60°-70°	1371.6	7.0
70°-80°	369.8	1.9
80°-90°	53.2	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°	19633.9	100.0
0°-180°	19633.9	100.0

**Coefficient of Utilization**



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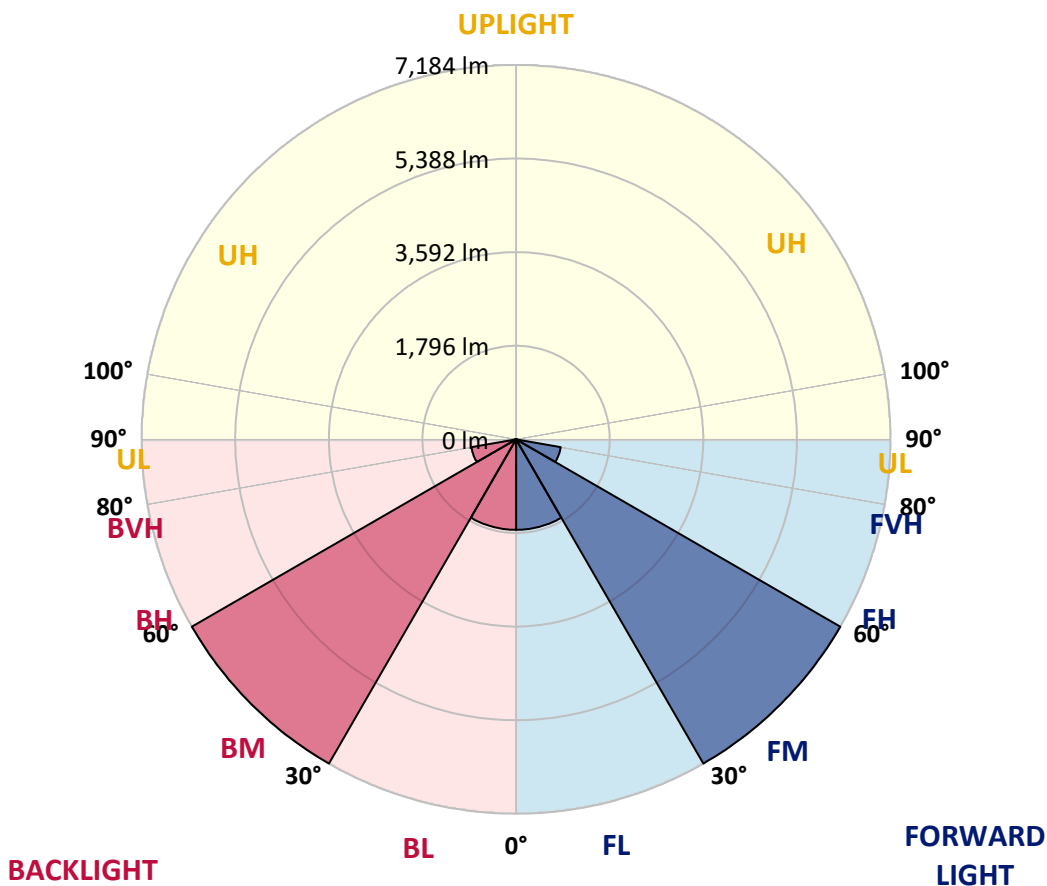
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1735.7	8.8			
FM (30°-60°)	7183.9	36.6			
FH (60°-80°)	870.7	4.4			G1/1800
FVH (80°-90°)	26.6	0.1			G1/100
BL (0°-30°)	1735.7	8.8	B3/2500		
BM (30°-60°)	7183.9	36.6	B4/8500		
BH (60°-80°)	870.7	4.4	B2/1000		G1/1800
BVH (80°-90°)	26.6	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°	3532.2	3532.2	3532.2	3532.2	3532.2	3532.2	3532.2	3532.2	3532.2	3532.2	3532.2
2.5°	3524.4	3524.4	3530.6	3538.4	3540.0	3555.5	3552.4	3546.2	3543.1	3536.8	3550.8
5°	3563.2	3564.8	3569.5	3574.1	3571.0	3583.4	3578.8	3571.0	3566.3	3558.6	3572.6
7.5°	3614.5	3614.5	3619.1	3625.3	3622.2	3640.9	3631.6	3620.7	3612.9	3603.6	3616.0
10°	3661.1	3664.2	3668.8	3681.2	3687.5	3707.6	3701.4	3685.9	3673.5	3662.6	3676.6
12.5°	3730.9	3734.0	3738.7	3755.8	3766.6	3786.8	3777.5	3755.8	3737.1	3721.6	3737.1
15°	3821.0	3817.9	3830.3	3852.0	3866.0	3884.6	3873.8	3836.5	3811.7	3791.5	3807.0
17.5°	3912.6	3911.0	3923.4	3951.4	3971.6	3996.4	3977.8	3934.3	3907.9	3883.1	3898.6
20°	4011.9	4016.6	4029.0	4055.4	4084.9	4117.5	4102.0	4055.4	4025.9	3998.0	4010.4
22.5°	4134.6	4136.2	4150.1	4184.3	4223.1	4254.2	4244.8	4187.4	4150.1	4120.6	4136.2
25°	4282.1	4280.6	4299.2	4339.5	4393.9	4424.9	4404.8	4341.1	4300.7	4266.6	4279.0
27.5°	4451.3	4449.8	4477.7	4530.5	4608.2	4651.6	4609.7	4530.5	4474.6	4426.5	4437.4
30°	4664.0	4659.4	4690.4	4761.9	4862.8	4935.8	4873.6	4763.4	4690.4	4639.2	4650.1
32.5°	4900.0	4906.3	4945.1	5041.3	5168.6	5263.4	5170.2	5047.5	4949.7	4875.2	4887.6
35°	5159.3	5159.3	5238.5	5358.1	5539.7	5665.5	5521.1	5344.1	5213.7	5111.2	5114.3
37.5°	5448.1	5451.2	5555.2	5719.8	5957.4	6104.9	5909.2	5690.3	5532.0	5421.7	5415.5
40°	5800.6	5809.9	5917.0	6100.2	6367.3	6502.3	6292.7	6078.5	5917.0	5786.6	5774.2
42.5°	6198.0	6201.1	6314.5	6479.0	6704.2	6784.9	6620.3	6444.9	6312.9	6194.9	6182.5
45°	6576.9	6569.1	6666.9	6789.6	6920.0	6927.8	6836.1	6764.7	6649.8	6548.9	6530.3
47.5°	6871.9	6865.6	6954.1	7020.9	7036.4	6960.4	6989.9	7000.7	6867.2	6730.6	6694.9
50°	7052.0	7064.4	7148.2	7185.5	7093.9	6969.7	7081.5	7053.5	6862.5	6684.0	6626.5
52.5°	7160.6	7179.3	7325.2	7419.9	7325.2	7207.2	7222.7	7058.2	6783.4	6547.4	6472.8
55°	6885.8	6960.4	7275.5	7694.7	7850.0	7767.7	7472.7	7048.9	6539.6	6196.5	6132.8
57.5°	5103.4	5221.4	5688.8	6597.0	7541.0	7840.7	6979.0	5909.2	5137.6	4696.6	4659.4
60°	2605.3	2737.3	3111.4	4044.6	5258.7	5681.0	4861.2	3783.7	3007.4	2650.3	2609.9
62.5°	1063.5	1085.3	1207.9	1568.1	2324.3	2681.4	2355.3	1653.5	1242.1	1144.3	1145.8
65°	836.9	841.5	835.3	857.0	973.5	1080.6	998.3	877.2	855.5	866.4	858.6
67.5°	729.7	731.3	726.6	726.6	731.3	726.6	735.9	740.6	743.7	756.1	748.4
70°	610.2	611.7	611.7	614.8	613.3	605.5	619.5	625.7	627.3	635.0	630.4
72.5°	472.0	476.7	479.8	481.3	479.8	475.1	482.9	493.7	492.2	499.9	492.2
75°	319.8	326.0	329.2	335.4	333.8	333.8	343.1	347.8	343.1	349.3	343.1
77.5°	181.7	186.3	195.6	201.8	208.0	212.7	218.9	222.0	220.5	223.6	220.5
80°	105.6	107.1	114.9	118.0	125.8	133.5	139.7	142.8	144.4	145.9	144.4
82.5°	60.6	62.1	65.2	68.3	74.5	80.7	86.9	91.6	91.6	93.2	91.6
85°	29.5	29.5	31.1	32.6	35.7	40.4	45.0	49.7	51.2	51.2	51.2
87.5°	4.7	4.7	6.2	6.2	7.8	9.3	12.4	15.5	17.1	17.1	17.1
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)