

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: P643246

Luminaire Tested: GWS-SA6E-750-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643246  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-750-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

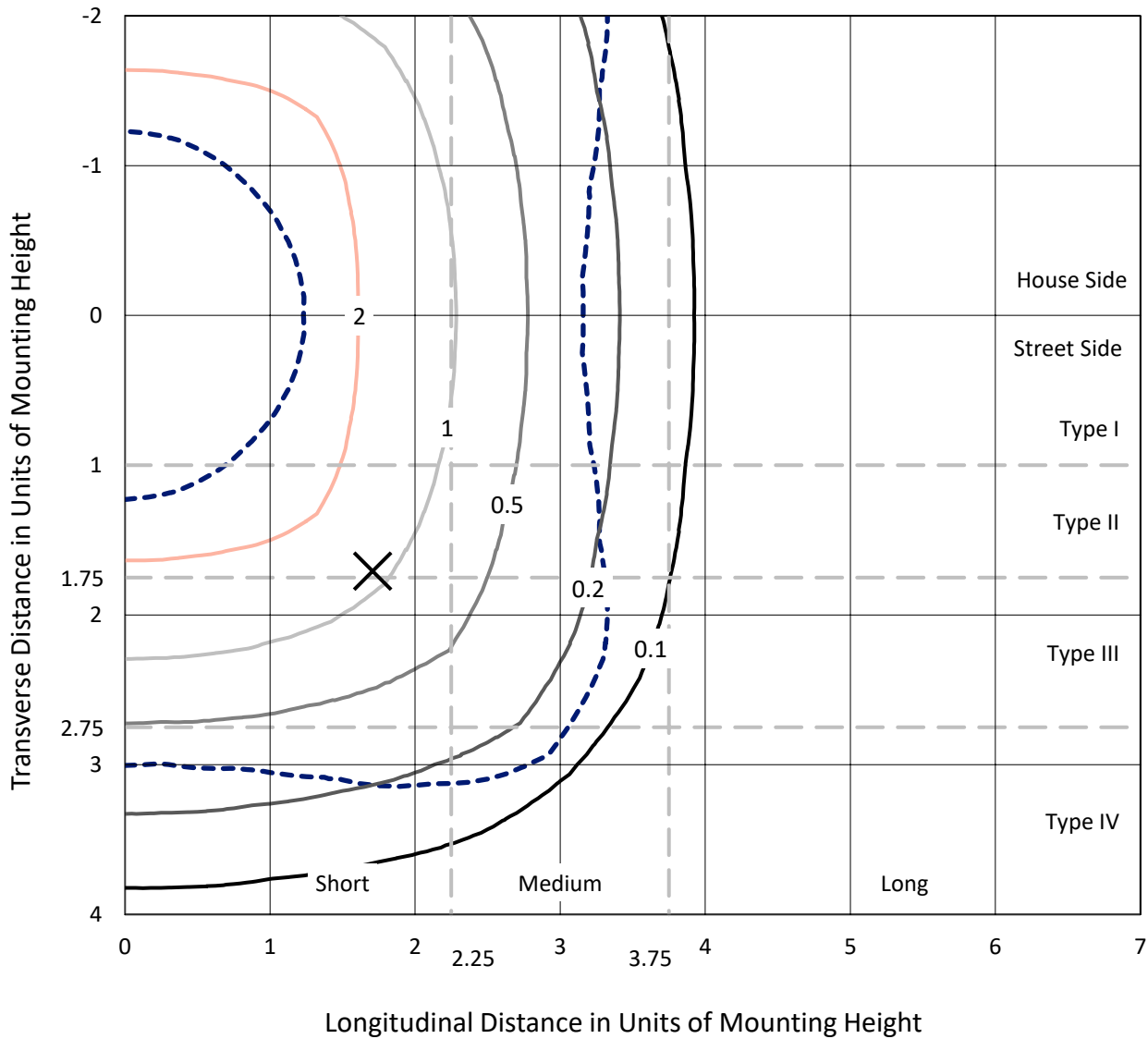
Lumens per Lamp: N/A  
Luminaire Lumens: 46422.2 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

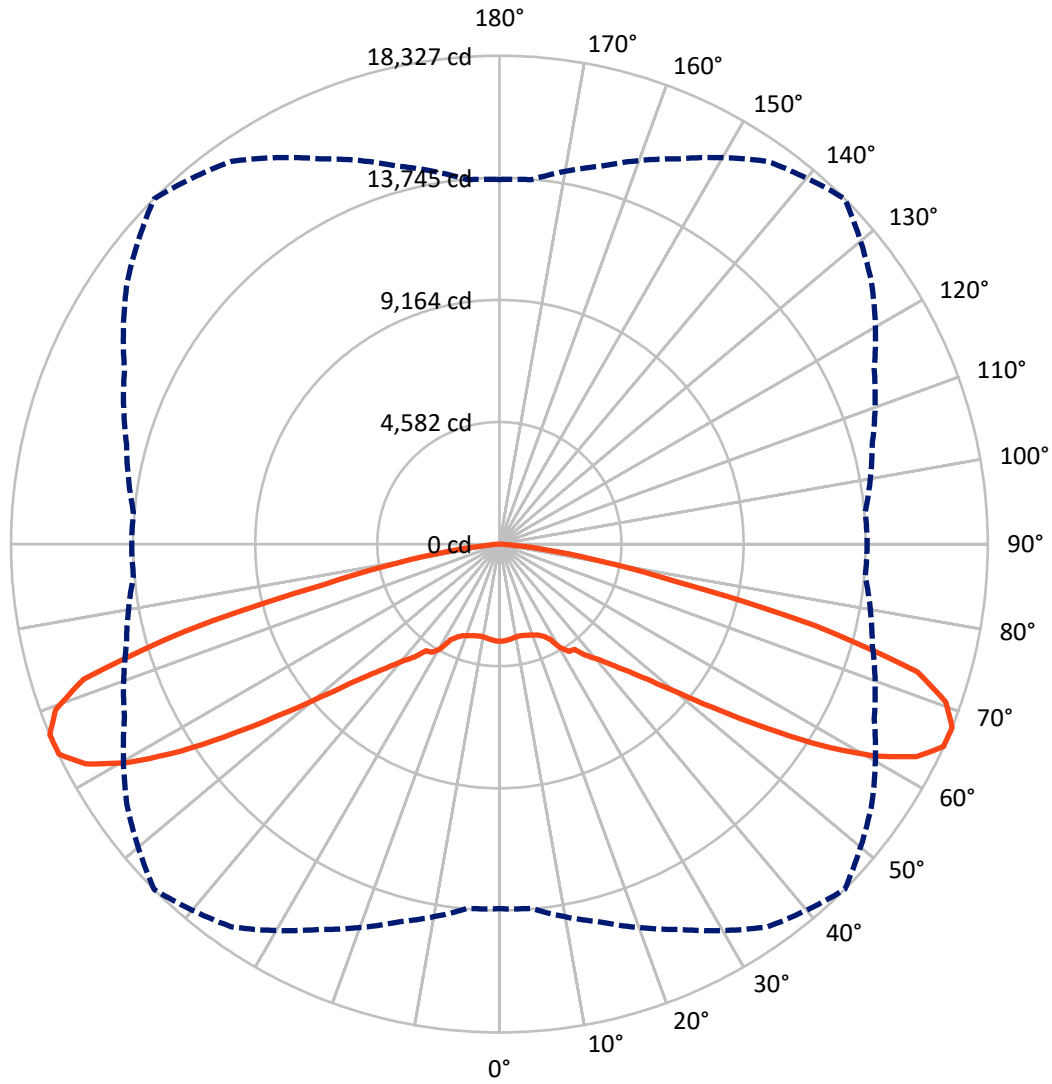
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 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
<b>House Side</b>	Lumens	23211.1	0.0	23211.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23211.1	0.0	23211.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46422.2	0.0	46422.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.8	0.7
10°-20°	1014.4	2.2
20°-30°	1819.6	3.9
30°-40°	3073.8	6.6
40°-50°	5400.7	11.6
50°-60°	10418.1	22.4
60°-70°	15115.3	32.6
70°-80°	8648.3	18.6
80°-90°	590.2	1.3
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°	46422.2	100.0
0°-180°	46422.2	100.0

**Coefficient of Utilization**



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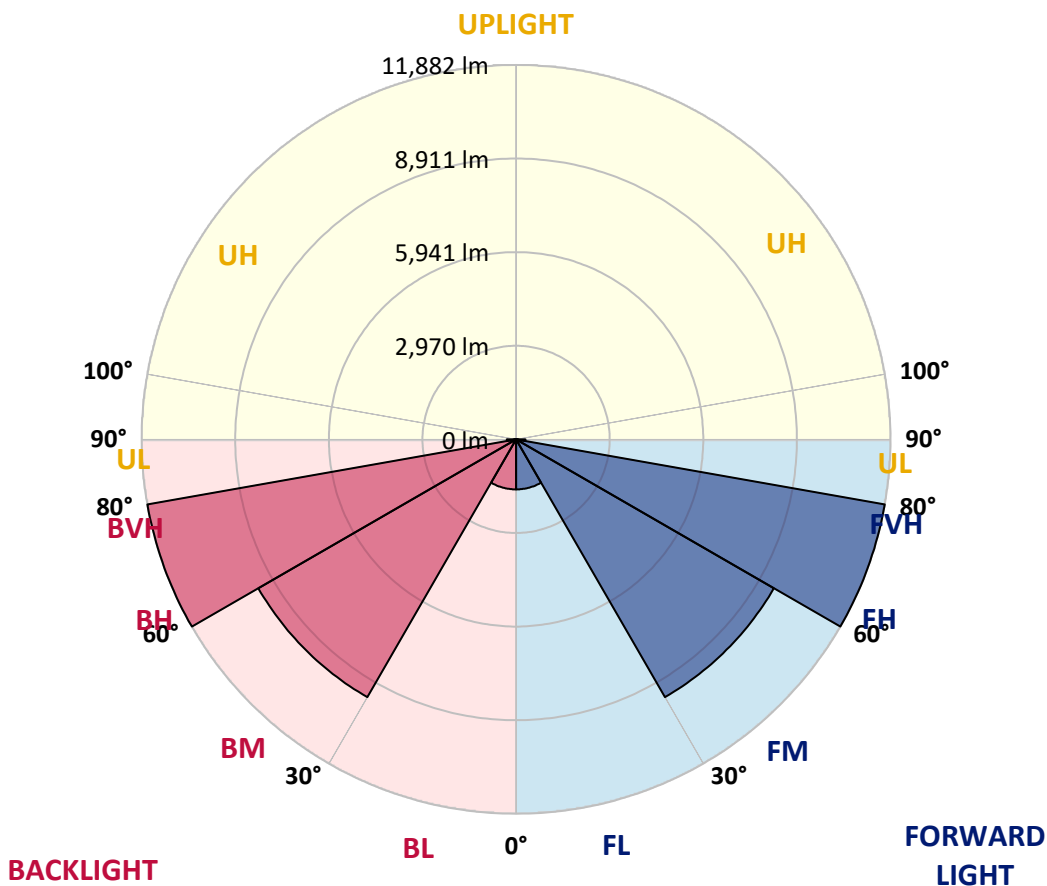
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.9	3.4			
FM (30°-60°)	9446.3	20.3			
FH (60°-80°)	11881.8	25.6			G4/12000
FVH (80°-90°)	295.1	0.6			G3/500
BL (0°-30°)	1587.9	3.4	B3/2500		
BM (30°-60°)	9446.3	20.3	B5		
BH (60°-80°)	11881.8	25.6	B5		G4/12000
BVH (80°-90°)	295.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3640.4	3640.4	3640.4	3640.4	3640.4	3640.4	3640.4	3640.4	3640.4	3640.4	3640.4
2.5°	3610.9	3614.2	3620.8	3620.8	3627.3	3637.2	3640.4	3633.9	3637.2	3620.8	3637.2
5°	3601.1	3604.3	3607.6	3601.1	3601.1	3604.3	3604.3	3597.8	3601.1	3584.6	3601.1
7.5°	3578.1	3581.4	3581.4	3571.5	3561.7	3568.2	3568.2	3561.7	3564.9	3548.5	3568.2
10°	3558.4	3558.4	3555.1	3535.4	3525.6	3535.4	3538.7	3542.0	3555.1	3542.0	3564.9
12.5°	3571.5	3571.5	3561.7	3535.4	3519.0	3525.6	3532.1	3538.7	3561.7	3558.4	3584.6
15°	3607.6	3610.9	3584.6	3555.1	3545.3	3555.1	3548.5	3545.3	3574.8	3584.6	3614.2
17.5°	3637.2	3637.2	3604.3	3574.8	3578.1	3594.5	3581.4	3564.9	3594.5	3614.2	3647.0
20°	3663.4	3660.1	3624.0	3604.3	3617.5	3640.4	3630.6	3607.6	3627.3	3650.3	3679.8
22.5°	3729.1	3725.8	3686.4	3676.6	3689.7	3712.7	3702.8	3683.1	3706.1	3738.9	3775.0
25°	3916.2	3909.6	3850.5	3817.7	3811.1	3827.6	3824.3	3817.7	3853.8	3893.2	3935.9
27.5°	4165.7	4162.4	4119.7	4086.9	4044.2	4031.1	4040.9	4070.5	4123.0	4152.5	4188.6
30°	4290.4	4290.4	4283.8	4336.4	4428.3	4516.9	4448.0	4336.4	4290.4	4277.3	4313.4
32.5°	4454.5	4471.0	4448.0	4507.1	4661.3	4792.7	4661.3	4480.8	4448.0	4448.0	4487.4
35°	4832.0	4838.6	4802.5	4792.7	4841.9	4858.3	4795.9	4730.3	4766.4	4773.0	4822.2
37.5°	5134.0	5134.0	5117.6	5143.9	5245.7	5308.0	5206.3	5088.1	5097.9	5104.5	5166.9
40°	5600.2	5613.3	5573.9	5570.6	5610.0	5665.8	5557.5	5482.0	5534.5	5550.9	5646.1
42.5°	6181.2	6181.2	6122.1	6105.7	6132.0	6191.1	6089.3	6040.1	6109.0	6122.1	6177.9
45°	6873.8	6890.3	6811.5	6781.9	6795.1	6814.8	6742.5	6719.6	6785.2	6814.8	6913.2
47.5°	7717.5	7733.9	7665.0	7661.7	7648.6	7661.7	7592.7	7579.6	7632.1	7609.2	7714.2
50°	8758.1	8787.6	8728.5	8810.6	8800.8	8840.2	8745.0	8676.0	8676.0	8613.6	8672.7
52.5°	9923.4	9982.5	10012.1	10149.9	10255.0	10353.4	10195.9	10087.6	9930.0	9802.0	9962.8
55°	11193.8	11177.4	11364.5	11666.5	11975.1	12208.1	11899.6	11558.2	11302.1	11036.2	11098.6
57.5°	12306.6	12362.4	12608.6	13160.1	13770.7	14263.1	13708.3	13051.8	12470.8	12090.0	12142.5
60°	13232.3	13278.3	13606.5	14400.9	15467.8	16147.3	15267.6	14184.3	13340.6	12815.4	12871.2
62.5°	14085.8	14128.5	14460.0	15336.5	16682.4	17568.7	16432.9	14952.4	14013.6	13485.1	13517.9
65°	14578.2	14604.5	15057.5	15979.9	17398.0	18313.8	17033.6	15507.2	14584.8	14046.4	14066.1
67.5°	13682.0	13724.7	14680.0	15953.6	17535.9	18327.0	17059.9	15523.6	14486.3	13783.8	13800.2
70°	10793.3	10757.2	11896.3	14085.8	16744.7	17775.5	16301.6	14358.3	12756.3	11774.8	11758.4
72.5°	8229.6	8239.4	8873.0	10373.1	13652.5	16403.4	14384.5	11561.5	9834.8	9089.6	9060.1
75°	5967.8	6059.8	6575.1	7674.8	9549.2	12260.7	10829.4	8567.7	7412.2	6965.8	6900.1
77.5°	2688.5	2806.7	3525.6	4818.9	6384.7	6775.4	6801.6	5816.8	4388.9	3647.0	3532.1
80°	784.6	840.4	1080.0	1848.1	2974.1	3844.0	3052.9	2567.0	1598.6	1254.0	1194.9
82.5°	331.5	377.5	462.9	512.1	863.3	1782.5	1109.5	705.8	656.5	531.8	485.8
85°	141.2	151.0	193.7	206.8	279.0	380.8	351.2	318.4	305.3	236.4	216.7
87.5°	59.1	59.1	59.1	52.5	49.2	52.5	72.2	91.9	121.5	95.2	88.6
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)