

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: P641812

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641812  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

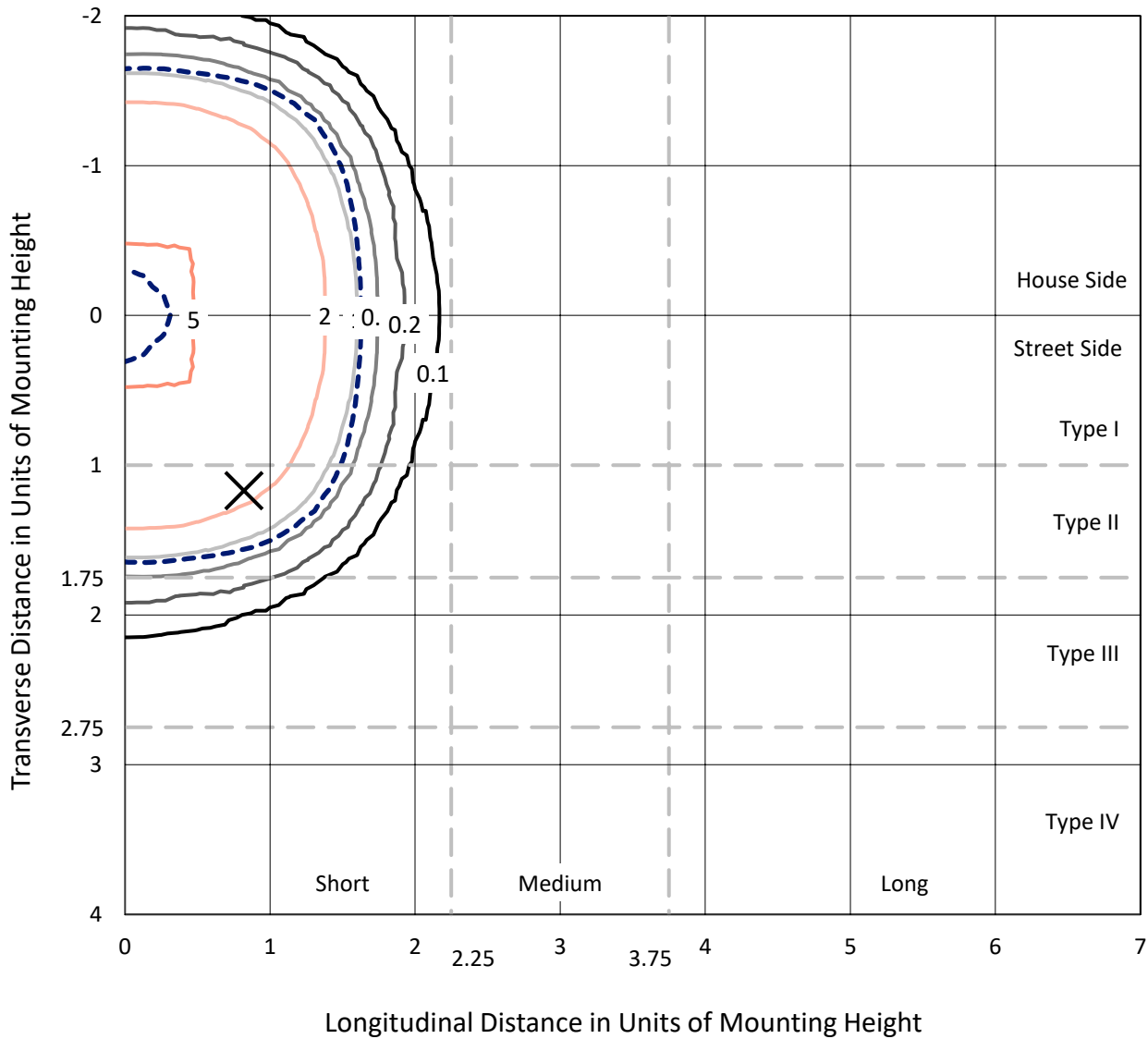
Lumens per Lamp: N/A  
Luminaire Lumens: 19364.9 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

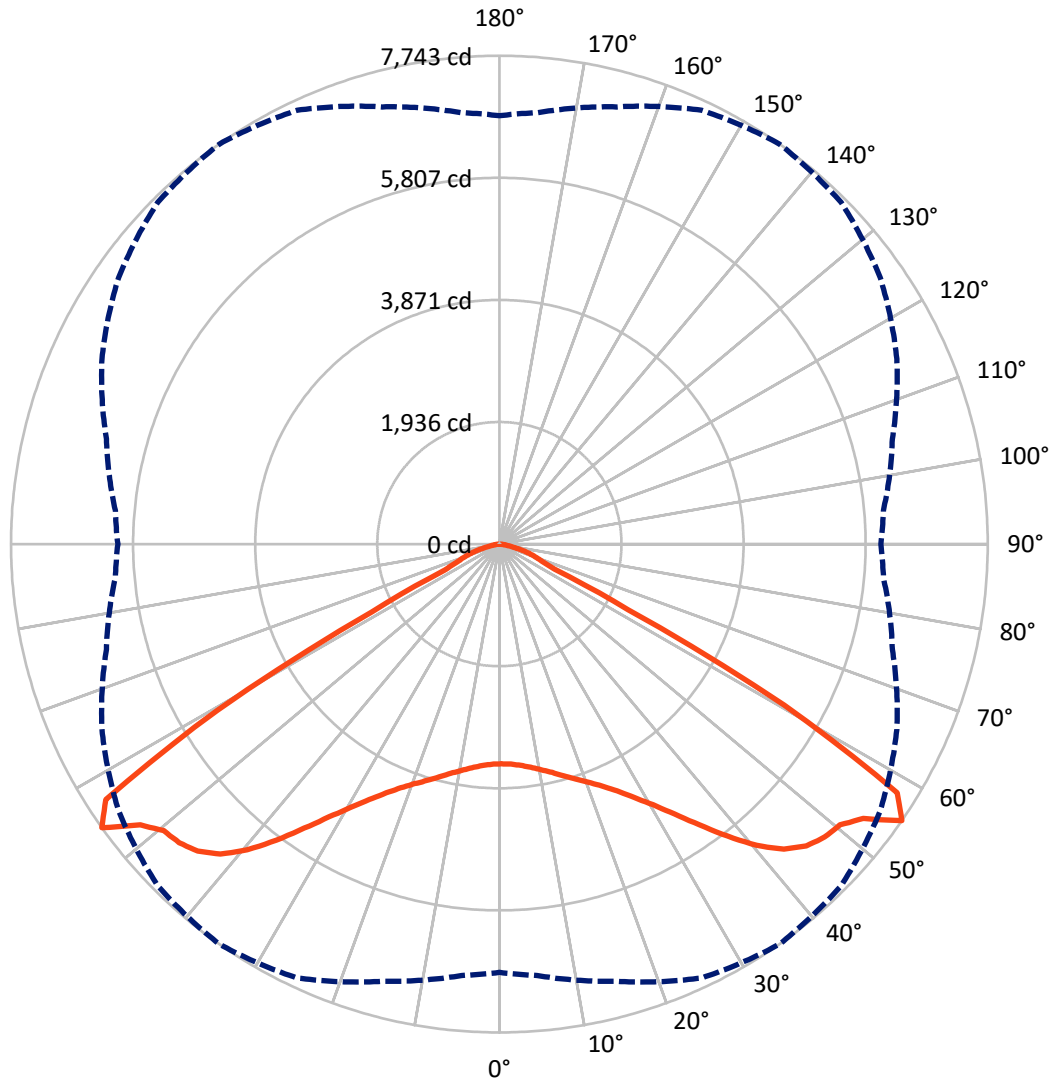
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	9682.4	0.0	9682.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9682.4	0.0	9682.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19364.9	0.0	19364.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.8	1.8
10°-20°	1081.8	5.6
20°-30°	2002.3	10.3
30°-40°	3349.4	17.3
40°-50°	5104.0	26.4
50°-60°	5717.5	29.5
60°-70°	1352.8	7.0
70°-80°	364.7	1.9
80°-90°	52.5	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°	19364.9	100.0
0°-180°	19364.9	100.0

**Coefficient of Utilization**



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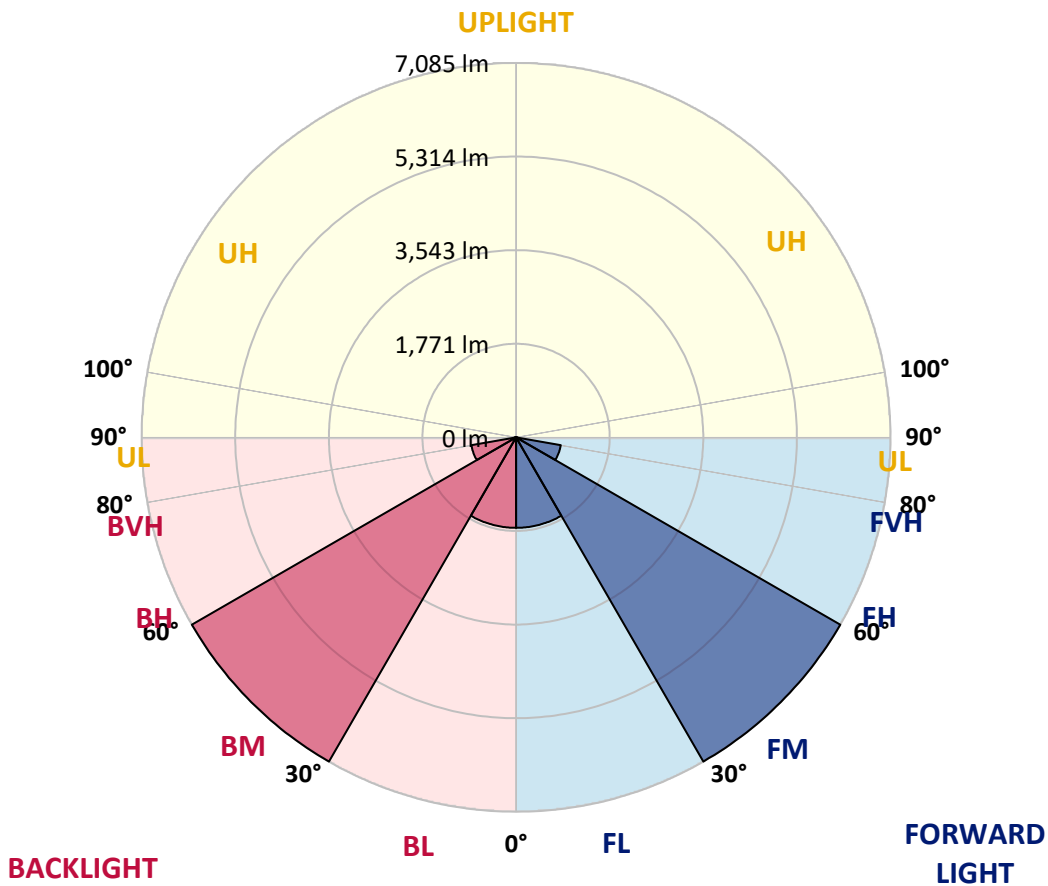
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1712.0	8.8			
FM (30°-60°)	7085.5	36.6			
FH (60°-80°)	858.8	4.4			G1/1800
FVH (80°-90°)	26.2	0.1			G1/100
BL (0°-30°)	1712.0	8.8	B3/2500		
BM (30°-60°)	7085.5	36.6	B4/8500		
BH (60°-80°)	858.8	4.4	B2/1000		G1/1800
BVH (80°-90°)	26.2	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°	3483.8	3483.8	3483.8	3483.8	3483.8	3483.8	3483.8	3483.8	3483.8	3483.8	3483.8
2.5°	3476.1	3476.1	3482.3	3489.9	3491.5	3506.8	3503.7	3497.6	3494.5	3488.4	3502.2
5°	3514.4	3516.0	3520.5	3525.1	3522.1	3534.3	3529.7	3522.1	3517.5	3509.8	3523.6
7.5°	3565.0	3565.0	3569.6	3575.7	3572.6	3591.0	3581.8	3571.1	3563.4	3554.2	3566.5
10°	3610.9	3614.0	3618.6	3630.8	3636.9	3656.8	3650.7	3635.4	3623.1	3612.4	3626.2
12.5°	3679.8	3682.9	3687.5	3704.3	3715.0	3734.9	3725.7	3704.3	3685.9	3670.6	3685.9
15°	3768.6	3765.6	3777.8	3799.3	3813.0	3831.4	3820.7	3783.9	3759.4	3739.5	3754.8
17.5°	3859.0	3857.4	3869.7	3897.3	3917.2	3941.7	3923.3	3880.4	3854.4	3829.9	3845.2
20°	3957.0	3961.6	3973.8	3999.9	4029.0	4061.1	4045.8	3999.9	3970.8	3943.2	3955.5
22.5°	4078.0	4079.5	4093.3	4127.0	4165.2	4195.9	4186.7	4130.0	4093.3	4064.2	4079.5
25°	4223.4	4221.9	4240.3	4280.1	4333.7	4364.3	4344.4	4281.6	4241.8	4208.1	4220.4
27.5°	4390.4	4388.8	4416.4	4468.4	4545.0	4587.9	4546.5	4468.4	4413.3	4365.8	4376.6
30°	4600.1	4595.6	4626.2	4696.6	4796.2	4868.1	4806.9	4698.1	4626.2	4575.6	4586.4
32.5°	4832.9	4839.0	4877.3	4972.3	5097.8	5191.2	5099.4	4978.4	4881.9	4808.4	4820.7
35°	5088.6	5088.6	5166.7	5284.7	5463.8	5587.9	5445.4	5270.9	5142.2	5041.2	5044.2
37.5°	5373.5	5376.5	5479.1	5641.5	5875.7	6021.2	5828.3	5612.4	5456.2	5347.4	5341.3
40°	5721.1	5730.3	5835.9	6016.6	6280.0	6413.3	6206.5	5995.2	5835.9	5707.3	5695.1
42.5°	6113.1	6116.2	6228.0	6390.3	6612.3	6692.0	6529.6	6356.6	6226.4	6110.0	6097.8
45°	6486.8	6479.1	6575.6	6696.5	6825.2	6832.8	6742.5	6672.0	6558.7	6459.2	6440.8
47.5°	6777.7	6771.6	6858.9	6924.7	6940.0	6865.0	6894.1	6904.8	6773.1	6638.4	6603.1
50°	6955.3	6967.6	7050.3	7087.0	6996.7	6874.2	6984.4	6956.9	6768.5	6592.4	6535.8
52.5°	7062.5	7080.9	7224.9	7318.3	7224.9	7108.5	7123.8	6961.5	6690.4	6457.7	6384.2
55°	6791.5	6865.0	7175.9	7589.3	7742.5	7661.3	7370.3	6952.3	6450.0	6111.6	6048.8
57.5°	5033.5	5149.9	5610.8	6506.7	7437.7	7733.3	6883.4	5828.3	5067.2	4632.3	4595.6
60°	2569.6	2699.8	3068.8	3989.1	5186.6	5603.2	4794.6	3731.9	2966.2	2614.0	2574.2
62.5°	1049.0	1070.4	1191.4	1546.7	2292.4	2644.6	2323.0	1630.9	1225.1	1128.6	1130.1
65°	825.4	830.0	823.9	845.3	960.1	1065.8	984.7	865.2	843.8	854.5	846.8
67.5°	719.7	721.3	716.7	716.7	721.3	716.7	725.9	730.4	733.5	745.8	738.1
70°	601.8	603.3	603.3	606.4	604.9	597.2	611.0	617.1	618.7	626.3	621.7
72.5°	465.5	470.1	473.2	474.7	473.2	468.6	476.2	487.0	485.4	493.1	485.4
75°	315.5	321.6	324.6	330.8	329.2	329.2	338.4	343.0	338.4	344.6	338.4
77.5°	179.2	183.8	192.9	199.1	205.2	209.8	215.9	219.0	217.5	220.5	217.5
80°	104.1	105.7	113.3	116.4	124.0	131.7	137.8	140.9	142.4	143.9	142.4
82.5°	59.7	61.3	64.3	67.4	73.5	79.6	85.8	90.3	90.3	91.9	90.3
85°	29.1	29.1	30.6	32.2	35.2	39.8	44.4	49.0	50.5	50.5	50.5
87.5°	4.6	4.6	6.1	6.1	7.7	9.2	12.3	15.3	16.8	16.8	16.8
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)