

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: P643795

Luminaire Tested: GWS-SA6F-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643795  
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-SA6F-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**

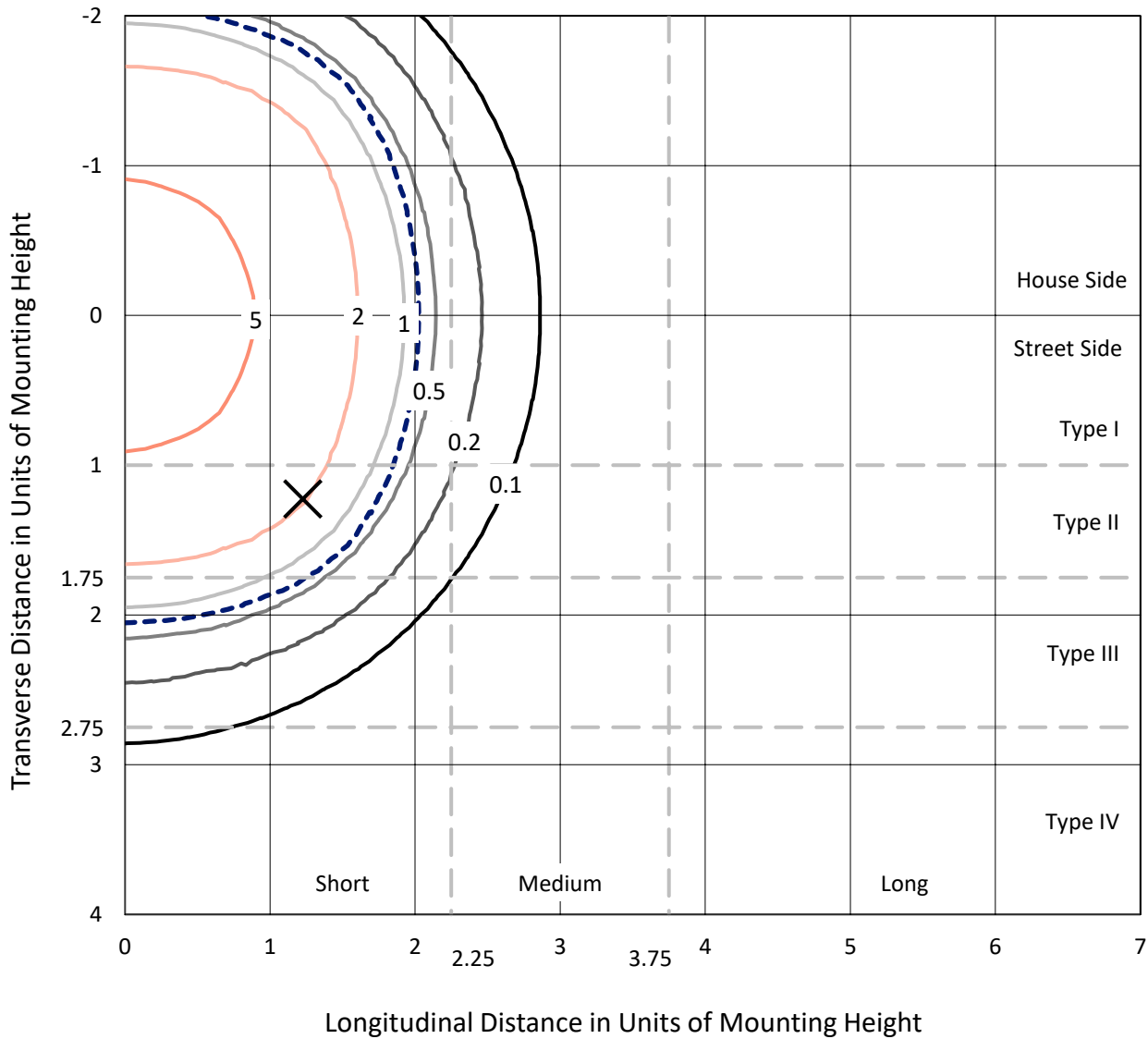
Lumens per Lamp: N/A  
Luminaire Lumens: 42407.1 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

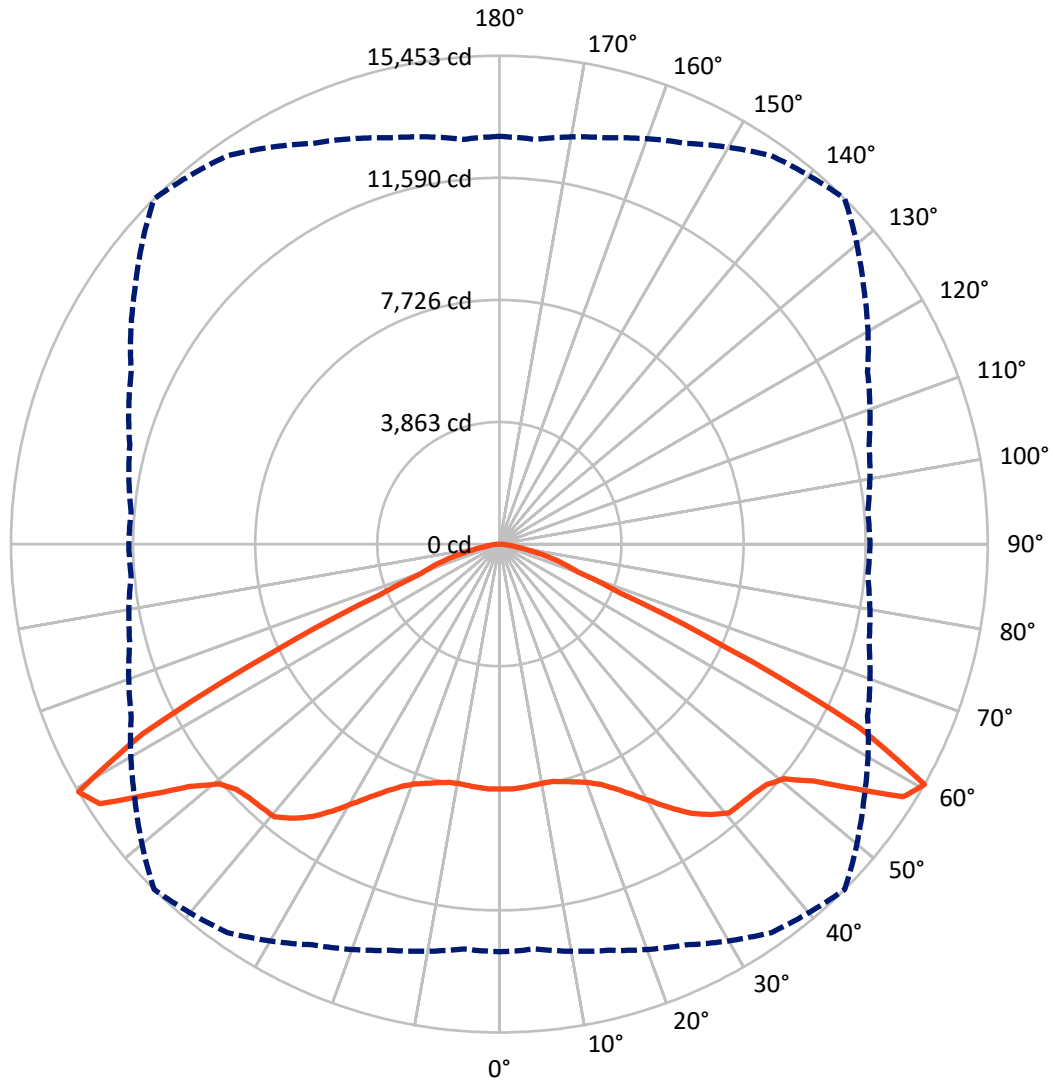
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.6 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
<b>House Side</b>	Lumens	21203.6	0.0	21203.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21203.6	0.0	21203.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42407.1	0.0	42407.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	735.0	1.7
10°-20°	2210.7	5.2
20°-30°	3911.0	9.2
30°-40°	6296.8	14.8
40°-50°	8654.8	20.4
50°-60°	11533.5	27.2
60°-70°	7188.2	17.0
70°-80°	1652.9	3.9
80°-90°	224.3	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°	42407.1	100.0
0°-180°	42407.1	100.0

**Coefficient of Utilization**



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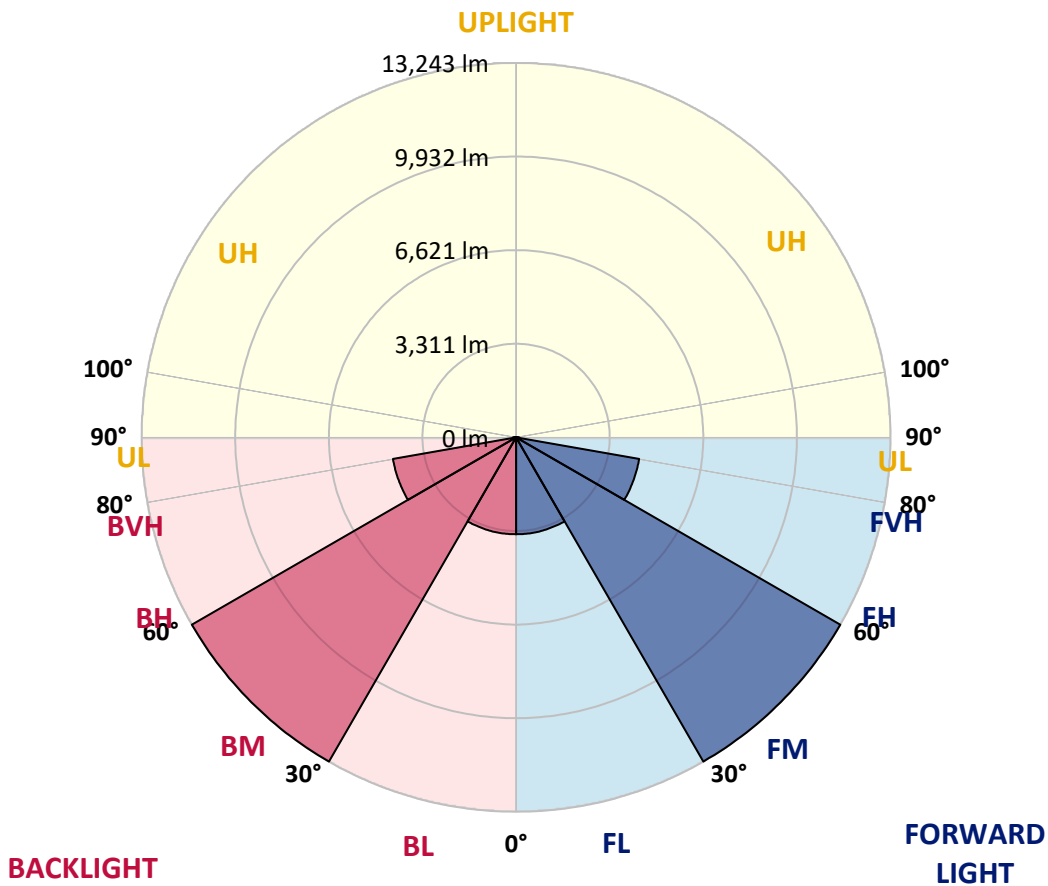
CATALOG NUMBER: GWS-SA6F-760-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3428.3	8.1			
FM (30°-60°)	13242.6	31.2			
FH (60°-80°)	4420.6	10.4			G2/5000
FVH (80°-90°)	112.1	0.3			G2/225
BL (0°-30°)	3428.3	8.1	B4/5000		
BM (30°-60°)	13242.6	31.2	B5		
BH (60°-80°)	4420.6	10.4	B4/5000		G2/5000
BVH (80°-90°)	112.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7749.8	7749.8	7749.8	7749.8	7749.8	7749.8	7749.8	7749.8	7749.8	7749.8	7749.8
2.5°	7695.8	7703.0	7717.4	7728.2	7742.6	7757.0	7764.2	7749.8	7742.6	7713.8	7746.2
5°	7703.0	7710.2	7721.0	7721.0	7724.6	7735.4	7735.4	7717.4	7699.4	7667.0	7703.0
7.5°	7692.2	7699.4	7703.0	7699.4	7703.0	7706.6	7699.4	7677.8	7659.8	7631.1	7659.8
10°	7674.2	7681.4	7688.6	7681.4	7674.2	7685.0	7685.0	7670.6	7659.8	7631.1	7663.4
12.5°	7713.8	7724.6	7728.2	7710.2	7703.0	7706.6	7706.6	7692.2	7692.2	7667.0	7703.0
15°	7807.4	7814.6	7803.8	7782.2	7785.8	7796.6	7771.4	7735.4	7728.2	7717.4	7746.2
17.5°	7879.4	7886.6	7875.8	7861.4	7886.6	7911.8	7865.0	7796.6	7775.0	7767.8	7800.2
20°	7958.6	7969.4	7955.0	7973.0	8023.4	8052.2	7994.6	7901.0	7857.8	7847.0	7886.6
22.5°	8088.2	8102.6	8102.6	8142.2	8217.8	8264.6	8192.6	8066.6	8001.8	7983.8	8023.4
25°	8293.4	8304.2	8315.0	8394.2	8516.5	8581.3	8466.1	8293.4	8203.4	8174.6	8196.2
27.5°	8577.7	8595.7	8613.7	8728.9	8880.1	8973.7	8808.1	8592.1	8480.5	8423.0	8466.1
30°	8916.1	8941.3	8984.5	9114.1	9326.4	9430.8	9218.5	8955.7	8829.7	8768.5	8826.1
32.5°	9376.8	9380.4	9412.8	9556.8	9837.6	9956.4	9690.0	9398.4	9268.8	9196.9	9229.3
35°	9924.0	9927.6	9877.2	10024.8	10327.1	10460.3	10147.1	9852.0	9744.0	9722.4	9805.2
37.5°	10485.5	10453.1	10402.7	10467.5	10773.5	10859.9	10528.7	10276.7	10229.9	10269.5	10391.9
40°	10885.0	10831.1	10730.3	10777.1	11086.6	11187.4	10834.7	10597.1	10582.7	10679.9	10827.5
42.5°	11144.2	11086.6	10967.8	10967.8	11180.2	11223.4	10949.8	10823.9	10856.3	10967.8	11108.2
45°	11270.2	11237.8	11169.4	11133.4	11252.2	11270.2	11061.4	11011.0	11072.2	11126.2	11234.2
47.5°	11367.4	11367.4	11345.8	11309.8	11363.8	11374.6	11219.8	11205.4	11284.6	11284.6	11356.6
50°	11540.2	11558.2	11587.0	11579.8	11637.4	11673.3	11558.2	11536.6	11569.0	11464.6	11500.6
52.5°	11993.7	12040.5	12123.3	12188.1	12335.7	12447.3	12242.1	12069.3	11900.1	11669.7	11676.9
55°	12807.2	12828.8	12990.8	13181.6	13429.9	13656.7	13235.6	12699.2	12332.1	12062.1	12065.7
57.5°	13494.7	13527.1	13764.7	14164.2	14722.2	15074.9	14142.6	13246.4	12728.0	12396.9	12407.7
60°	12900.8	12857.6	13307.5	13991.5	15002.9	15452.9	14077.9	12854.0	12108.9	11698.5	11727.3
62.5°	9981.6	9898.8	10399.1	11115.4	12328.5	12778.4	11511.4	10337.9	9632.4	9312.0	9265.2
65°	6076.0	6000.5	6360.4	6799.6	7620.3	7904.6	7325.1	6702.4	6086.8	5892.5	5838.5
67.5°	3308.0	3297.2	3394.4	3610.4	3970.3	4103.5	3991.9	3696.7	3538.4	3401.6	3401.6
70°	2624.1	2602.5	2584.5	2588.1	2620.5	2638.5	2642.1	2627.7	2645.7	2649.3	2634.9
72.5°	2174.1	2166.9	2130.9	2134.5	2120.1	2112.9	2138.1	2152.5	2181.3	2184.9	2184.9
75°	1576.6	1558.6	1576.6	1580.2	1565.8	1565.8	1583.8	1580.2	1594.6	1601.8	1562.2
77.5°	896.3	896.3	921.5	950.3	971.9	971.9	989.9	989.9	1007.9	1004.3	997.1
80°	493.1	493.1	507.5	525.5	547.1	568.7	586.7	590.3	601.1	597.5	586.7
82.5°	280.8	284.4	291.6	302.4	324.0	342.0	360.0	363.6	374.4	374.4	363.6
85°	133.2	129.6	133.2	140.4	151.2	165.6	183.6	194.4	201.6	201.6	194.4
87.5°	25.2	28.8	25.2	28.8	32.4	43.2	50.4	57.6	68.4	72.0	64.8
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)