

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: P641261

Luminaire Tested: GWS-SA5F-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5F-750-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

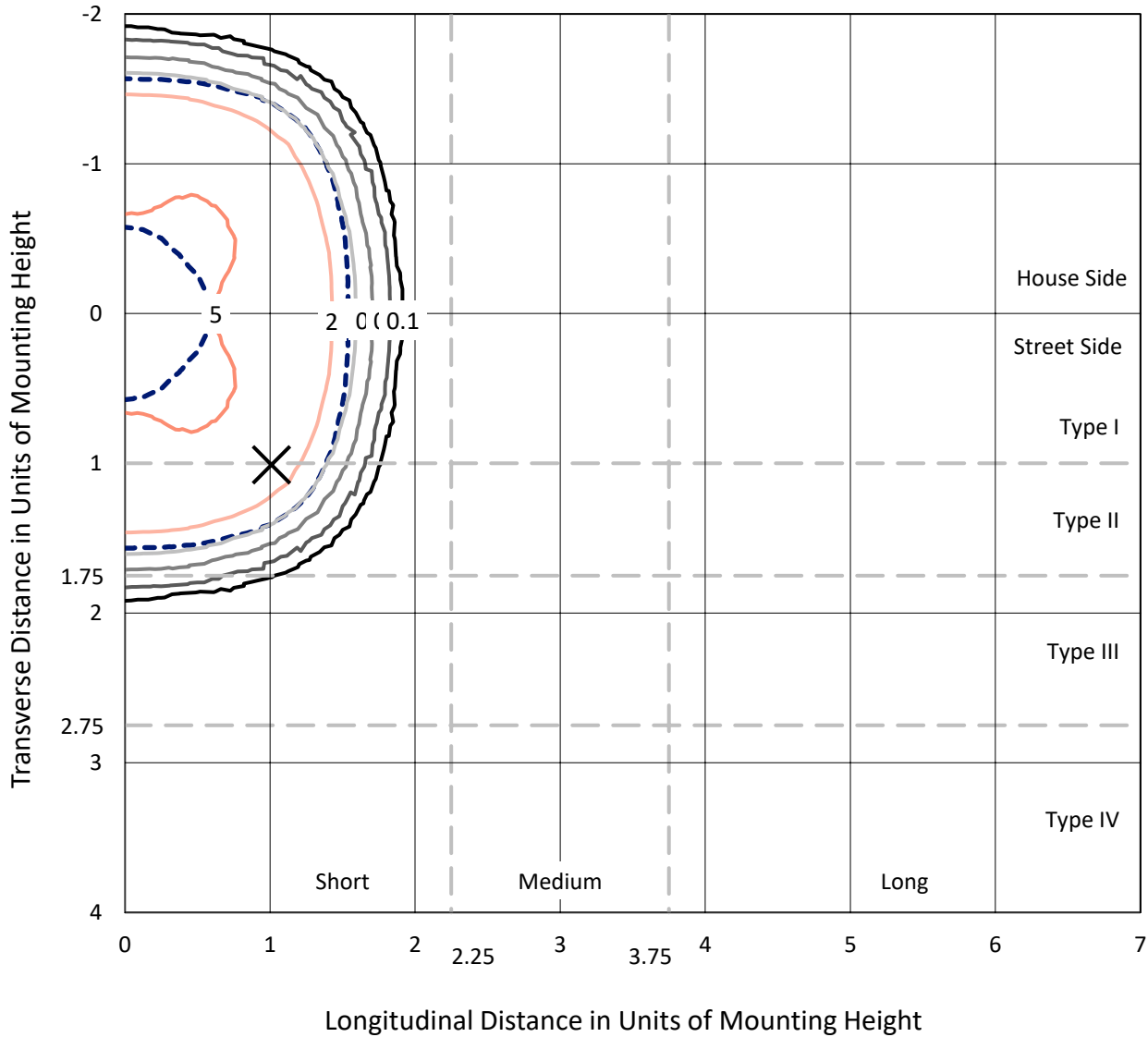
Lumens per Lamp: N/A  
Luminaire Lumens: 30043.5 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

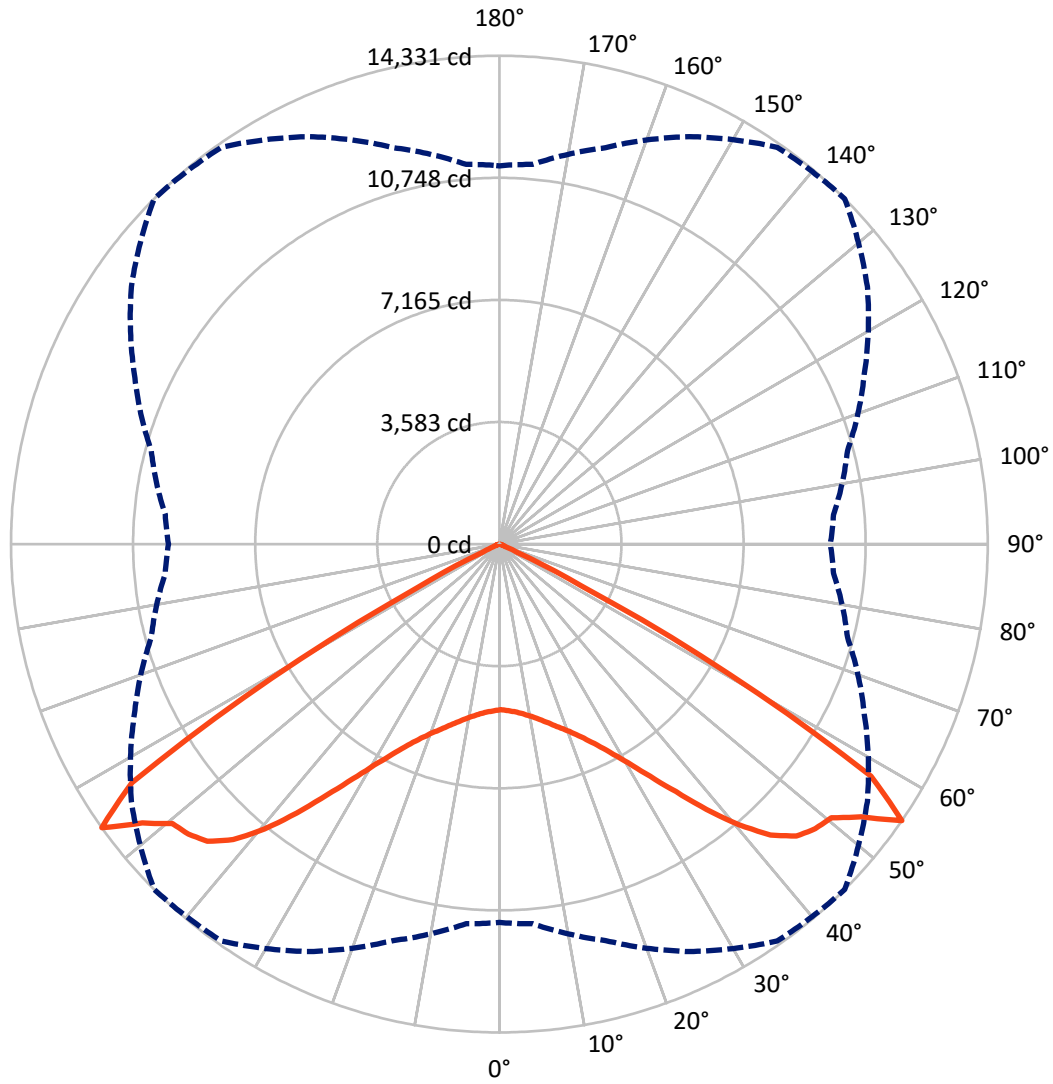
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15021.8	0.0	15021.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15021.8	0.0	15021.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30043.5	0.0	30043.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.9	1.6
10°-20°	1542.7	5.1
20°-30°	2987.7	9.9
30°-40°	5352.6	17.8
40°-50°	8974.0	29.9
50°-60°	9606.3	32.0
60°-70°	1055.6	3.5
70°-80°	46.5	0.2
80°-90°	2.2	0.0
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°	30043.5	100.0
0°-180°	30043.5	100.0

**Coefficient of Utilization**



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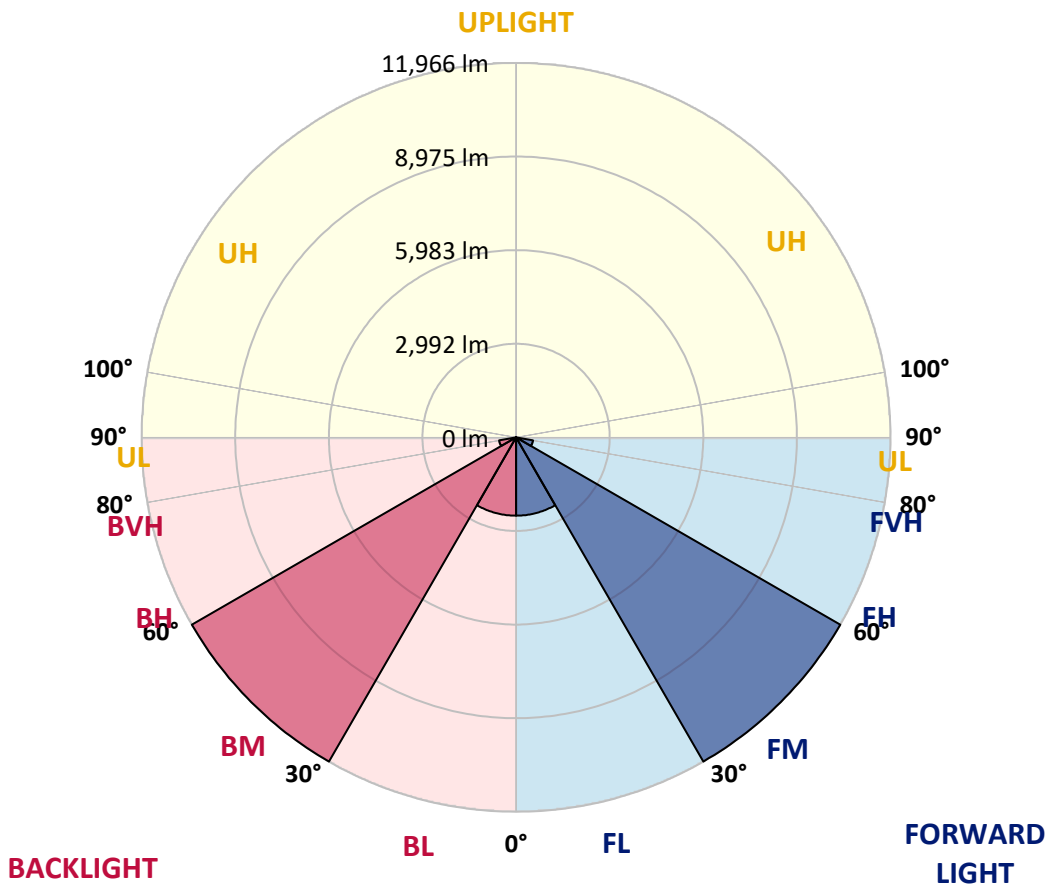
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2503.2	8.3			
FM (30°-60°)	11966.5	39.8			
FH (60°-80°)	551.0	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2503.2	8.3	B4/5000		
BM (30°-60°)	11966.5	39.8	B5		
BH (60°-80°)	551.0	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4857.5	4857.5	4857.5	4857.5	4857.5	4857.5	4857.5	4857.5	4857.5	4857.5	4857.5
2.5°	4848.3	4848.3	4860.5	4869.7	4869.7	4894.2	4885.0	4875.8	4875.8	4863.6	4888.1
5°	4918.7	4915.6	4927.9	4934.0	4921.7	4946.2	4930.9	4921.7	4915.6	4903.4	4927.9
7.5°	4995.2	4998.3	5001.3	5013.6	5007.4	5031.9	5019.7	5001.3	4995.2	4976.8	5001.3
10°	5087.0	5087.0	5093.1	5108.4	5111.5	5142.1	5129.9	5108.4	5090.1	5071.7	5096.2
12.5°	5203.3	5206.4	5215.6	5237.0	5249.2	5282.9	5264.5	5221.7	5194.1	5172.7	5200.3
15°	5371.7	5368.6	5380.8	5411.5	5426.8	5451.2	5423.7	5365.5	5331.9	5307.4	5325.8
17.5°	5555.3	5555.3	5561.4	5592.0	5613.5	5650.2	5616.5	5546.1	5515.5	5481.9	5500.2
20°	5757.3	5766.5	5772.6	5794.1	5830.8	5867.5	5840.0	5769.6	5735.9	5693.0	5714.5
22.5°	6023.6	6014.4	6017.5	6054.2	6106.3	6143.0	6121.6	6038.9	5980.8	5947.1	5959.3
25°	6320.5	6317.4	6326.6	6381.7	6439.9	6479.7	6449.1	6341.9	6283.8	6225.6	6250.1
27.5°	6684.7	6687.8	6693.9	6761.3	6853.1	6911.2	6834.7	6727.6	6648.0	6571.5	6589.9
30°	7116.3	7110.2	7128.6	7220.4	7355.0	7446.9	7358.1	7208.1	7094.9	7021.4	7030.6
32.5°	7575.4	7581.5	7630.5	7777.4	7955.0	8117.2	7936.6	7737.6	7590.7	7453.0	7471.4
35°	8071.3	8086.6	8196.8	8414.1	8704.9	8922.2	8671.2	8343.7	8135.5	7958.0	7964.1
37.5°	8655.9	8692.6	8845.6	9170.1	9586.4	9877.1	9509.8	9075.2	8805.9	8585.5	8570.2
40°	9424.1	9467.0	9675.1	10060.8	10565.8	10832.1	10406.6	9959.8	9626.1	9387.4	9350.7
42.5°	10305.6	10360.7	10587.2	10982.1	11487.1	11667.7	11251.4	10874.9	10575.0	10293.4	10281.2
45°	11300.4	11331.0	11514.6	11817.7	12181.9	12224.7	11912.5	11704.4	11401.4	11138.2	11116.7
47.5°	12233.9	12264.5	12390.0	12546.1	12631.8	12478.8	12423.7	12331.9	11940.1	11615.7	11548.3
50°	12944.0	12968.5	13124.6	13185.8	12947.1	12622.6	12729.8	12533.9	12108.4	11744.2	11640.1
52.5°	12895.1	12956.3	13357.2	13706.2	13556.2	13293.0	13005.2	12582.9	11921.7	11422.8	11294.3
55°	11101.4	11184.1	12044.2	13192.0	14217.3	14330.6	13179.7	11817.7	10575.0	9843.5	9711.8
57.5°	7134.7	7156.1	8205.9	9815.9	12126.8	12855.3	10930.0	8909.9	7364.2	6559.2	6504.2
60°	2623.1	2580.2	3373.0	4707.5	6984.7	7756.0	6433.8	4505.5	3213.8	2644.5	2598.6
62.5°	630.5	636.6	789.7	1184.5	2191.5	2711.8	2142.5	1196.8	762.1	639.7	633.6
65°	318.3	312.2	315.3	339.7	468.3	560.1	459.1	324.4	312.2	315.3	312.2
67.5°	205.1	202.0	208.1	211.2	208.1	195.9	192.8	199.0	199.0	202.0	195.9
70°	125.5	122.4	128.6	137.7	131.6	116.3	122.4	128.6	122.4	119.4	119.4
72.5°	67.3	67.3	73.5	79.6	73.5	67.3	67.3	70.4	67.3	67.3	67.3
75°	30.6	30.6	33.7	36.7	30.6	30.6	30.6	30.6	30.6	30.6	30.6
77.5°	9.2	9.2	12.2	12.2	9.2	9.2	9.2	9.2	12.2	12.2	12.2
80°	3.1	6.1	6.1	3.1	3.1	3.1	3.1	3.1	6.1	6.1	6.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
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)