

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: P643685

Luminaire Tested: GWS-SA6F-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643685  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

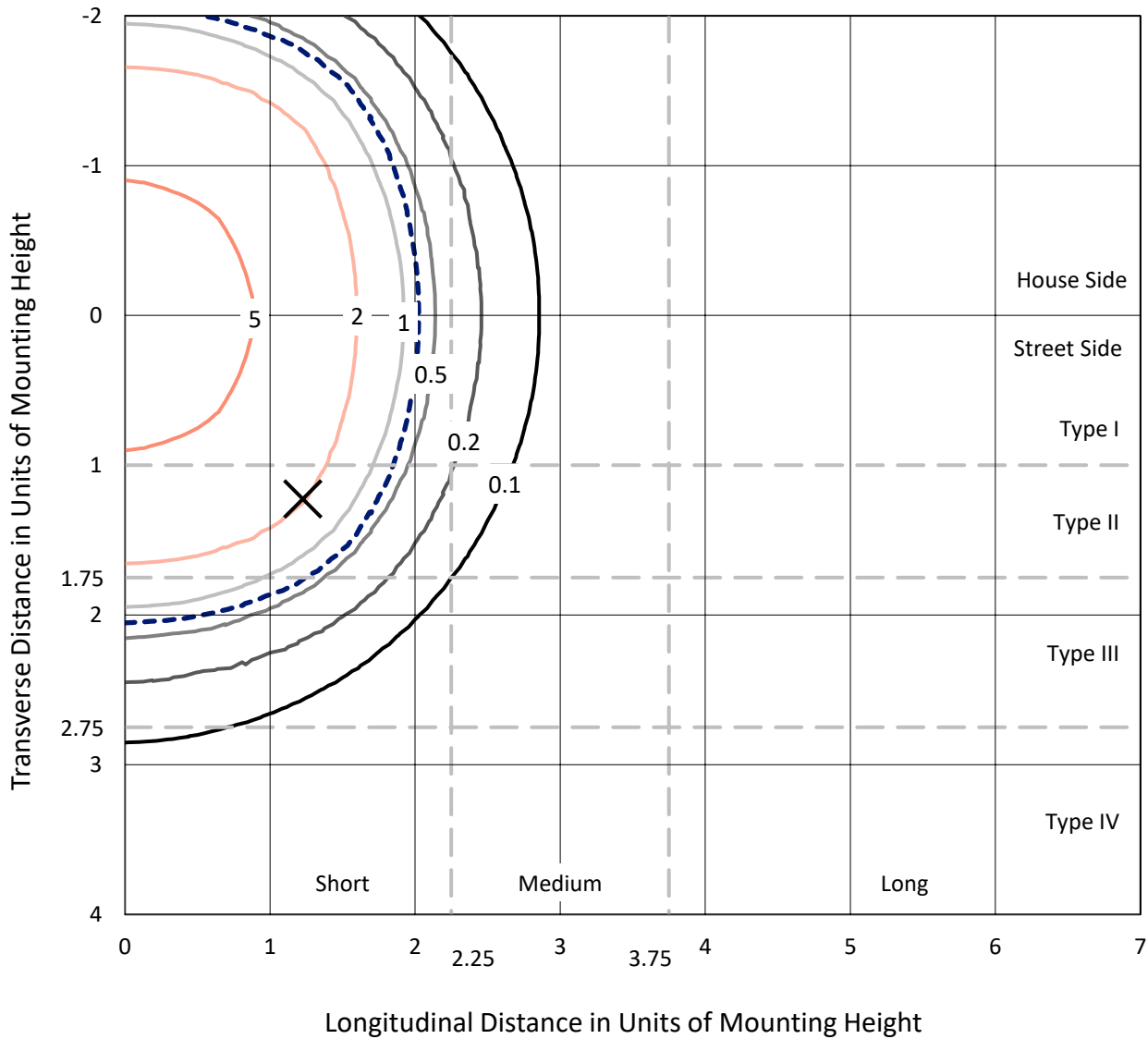
Lumens per Lamp: N/A  
Luminaire Lumens: 42033.1 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

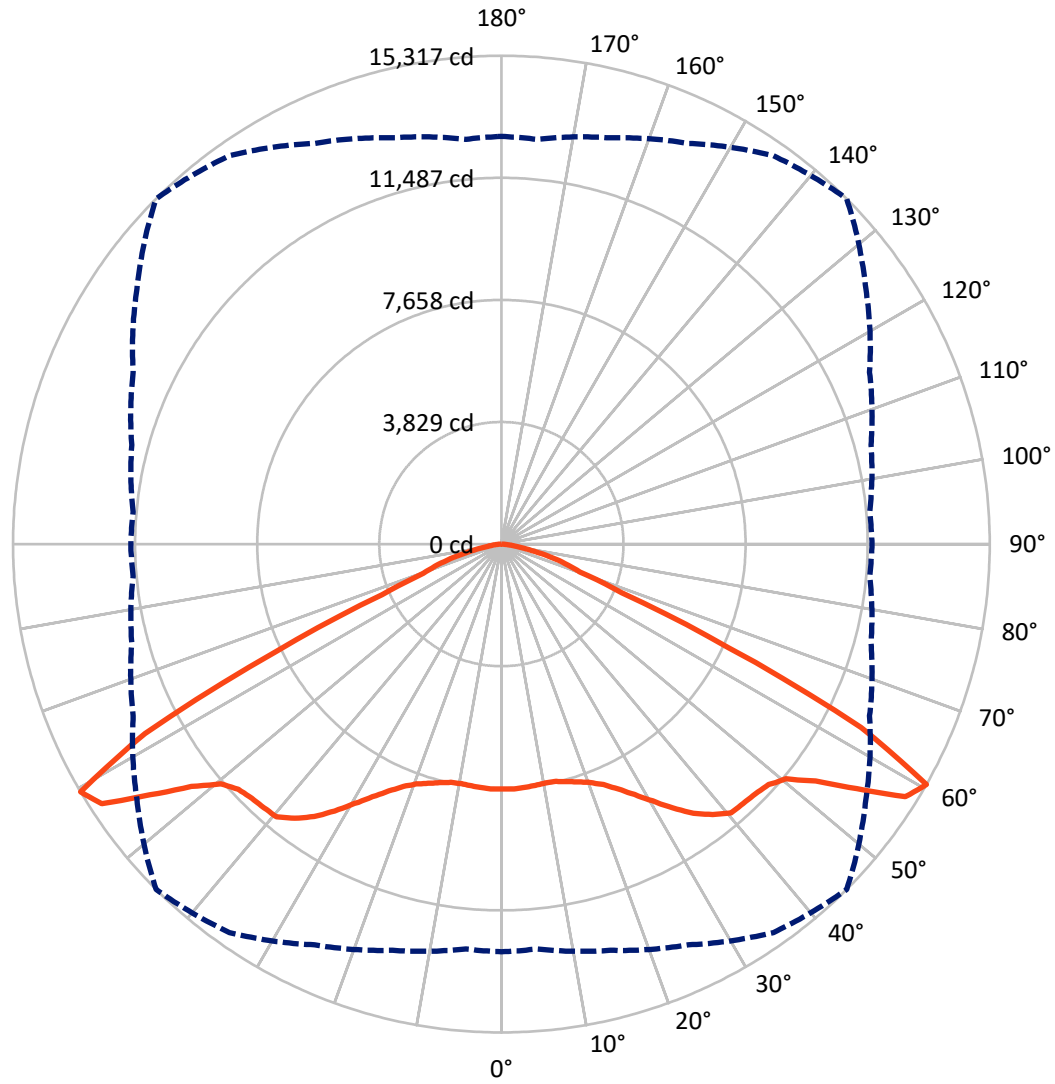
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 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	21016.5	0.0	21016.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21016.5	0.0	21016.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42033.1	0.0	42033.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	728.5	1.7
10°-20°	2191.2	5.2
20°-30°	3876.5	9.2
30°-40°	6241.3	14.8
40°-50°	8578.5	20.4
50°-60°	11431.7	27.2
60°-70°	7124.8	17.0
70°-80°	1638.4	3.9
80°-90°	222.3	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°	42033.1	100.0
0°-180°	42033.1	100.0

**Coefficient of Utilization**



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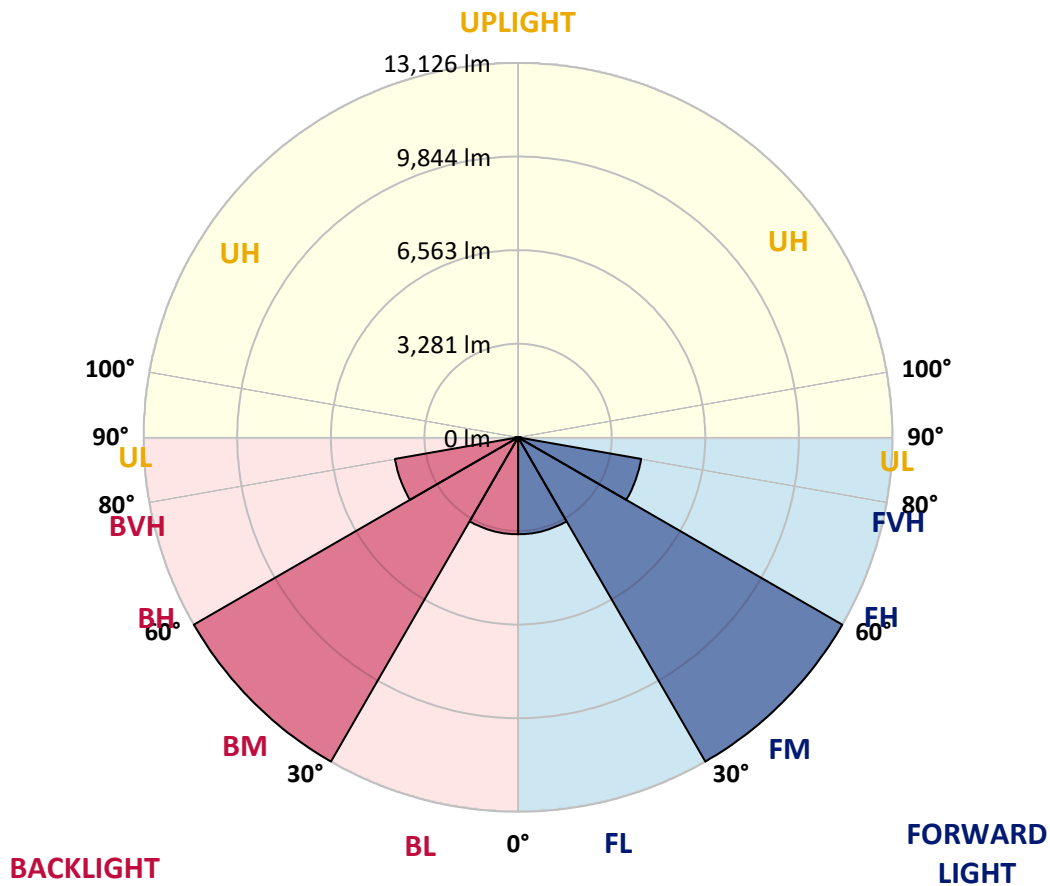
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3398.1	8.1			
FM (30°-60°)	13125.8	31.2			
FH (60°-80°)	4381.6	10.4			G2/5000
FVH (80°-90°)	111.1	0.3			G2/225
BL (0°-30°)	3398.1	8.1	B4/5000		
BM (30°-60°)	13125.8	31.2	B5		
BH (60°-80°)	4381.6	10.4	B4/5000		G2/5000
BVH (80°-90°)	111.1	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°	7681.5	7681.5	7681.5	7681.5	7681.5	7681.5	7681.5	7681.5	7681.5	7681.5	7681.5
2.5°	7628.0	7635.1	7649.4	7660.1	7674.4	7688.6	7695.8	7681.5	7674.4	7645.8	7677.9
5°	7635.1	7642.2	7652.9	7652.9	7656.5	7667.2	7667.2	7649.4	7631.5	7599.4	7635.1
7.5°	7624.4	7631.5	7635.1	7631.5	7635.1	7638.7	7631.5	7610.1	7592.3	7563.8	7592.3
10°	7606.6	7613.7	7620.8	7613.7	7606.6	7617.3	7617.3	7603.0	7592.3	7563.8	7595.9
12.5°	7645.8	7656.5	7660.1	7642.2	7635.1	7638.7	7638.7	7624.4	7624.4	7599.4	7635.1
15°	7738.6	7745.7	7735.0	7713.6	7717.2	7727.9	7702.9	7667.2	7660.1	7649.4	7677.9
17.5°	7809.9	7817.1	7806.4	7792.1	7817.1	7842.0	7795.7	7727.9	7706.5	7699.3	7731.4
20°	7888.4	7899.1	7884.9	7902.7	7952.6	7981.2	7924.1	7831.3	7788.5	7777.8	7817.1
22.5°	8016.9	8031.1	8031.1	8070.4	8145.3	8191.7	8120.3	7995.5	7931.2	7913.4	7952.6
25°	8220.2	8230.9	8241.6	8320.1	8441.4	8505.7	8391.5	8220.2	8131.0	8102.5	8123.9
27.5°	8502.1	8519.9	8537.8	8651.9	8801.8	8894.5	8730.4	8516.4	8405.8	8348.7	8391.5
30°	8837.5	8862.4	8905.2	9033.7	9244.2	9347.7	9137.2	8876.7	8751.8	8691.2	8748.3
32.5°	9294.1	9297.7	9329.8	9472.5	9750.8	9868.6	9604.5	9315.5	9187.1	9115.7	9147.9
35°	9836.4	9840.0	9790.1	9936.3	10236.0	10368.0	10057.6	9765.1	9658.1	9636.6	9718.7
37.5°	10393.0	10360.9	10311.0	10375.2	10678.4	10764.1	10435.8	10186.1	10139.7	10179.0	10300.3
40°	10789.0	10735.5	10635.6	10682.0	10988.8	11088.7	10739.1	10503.6	10489.4	10585.7	10732.0
42.5°	11045.9	10988.8	10871.1	10871.1	11081.6	11124.4	10853.3	10728.4	10760.5	10871.1	11010.3
45°	11170.8	11138.7	11070.9	11035.2	11153.0	11170.8	10963.9	10913.9	10974.6	11028.1	11135.1
47.5°	11267.1	11267.1	11245.7	11210.1	11263.6	11274.3	11120.9	11106.6	11185.1	11185.1	11256.4
50°	11438.4	11456.2	11484.8	11477.6	11534.7	11570.4	11456.2	11434.8	11466.9	11363.5	11399.1
52.5°	11887.9	11934.3	12016.4	12080.6	12226.9	12337.5	12134.1	11962.9	11795.2	11566.8	11574.0
55°	12694.3	12715.7	12876.2	13065.3	13311.5	13536.3	13118.8	12587.2	12223.3	11955.7	11959.3
57.5°	13375.7	13407.8	13643.3	14039.3	14592.3	14942.0	14017.9	13129.5	12615.8	12287.5	12298.2
60°	12787.0	12744.2	13190.2	13868.1	14870.6	15316.6	13953.7	12740.6	12002.1	11595.4	11623.9
62.5°	9893.5	9811.5	10307.4	11017.4	12219.7	12665.7	11409.8	10246.7	9547.5	9229.9	9183.5
65°	6022.5	5947.5	6304.3	6739.6	7553.0	7834.9	7260.5	6643.3	6033.2	5840.5	5787.0
67.5°	3278.8	3268.1	3364.4	3578.5	3935.3	4067.3	3956.7	3664.1	3507.2	3371.6	3371.6
70°	2600.9	2579.5	2561.7	2565.3	2597.4	2615.2	2618.8	2604.5	2622.3	2625.9	2611.6
72.5°	2155.0	2147.8	2112.1	2115.7	2101.4	2094.3	2119.3	2133.5	2162.1	2165.7	2165.7
75°	1562.7	1544.9	1562.7	1566.3	1552.0	1552.0	1569.8	1566.3	1580.5	1587.7	1548.4
77.5°	888.4	888.4	913.4	941.9	963.3	963.3	981.1	981.1	999.0	995.4	988.3
80°	488.8	488.8	503.1	520.9	542.3	563.7	581.6	585.1	595.8	592.3	581.6
82.5°	278.3	281.9	289.0	299.7	321.1	338.9	356.8	360.3	371.1	371.1	360.3
85°	132.0	128.4	132.0	139.1	149.8	164.1	182.0	192.7	199.8	199.8	192.7
87.5°	25.0	28.5	25.0	28.5	32.1	42.8	49.9	57.1	67.8	71.4	64.2
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)