

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: P643740

Luminaire Tested: GWS-SA6F-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643740  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

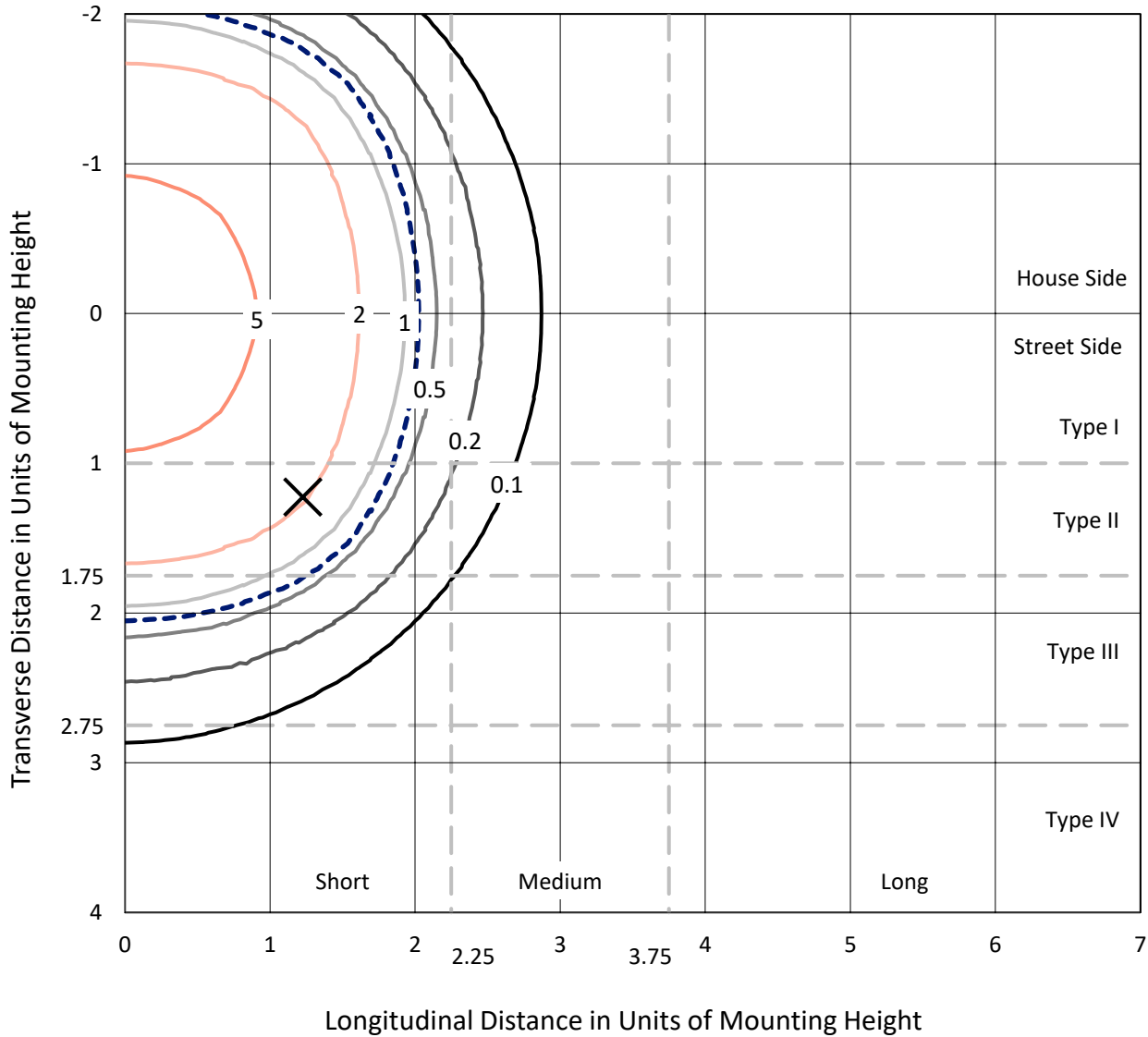
Lumens per Lamp: N/A  
Luminaire Lumens: 42996.3 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P643740  
 CATALOG NUMBER: GWS-SA6F-750-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

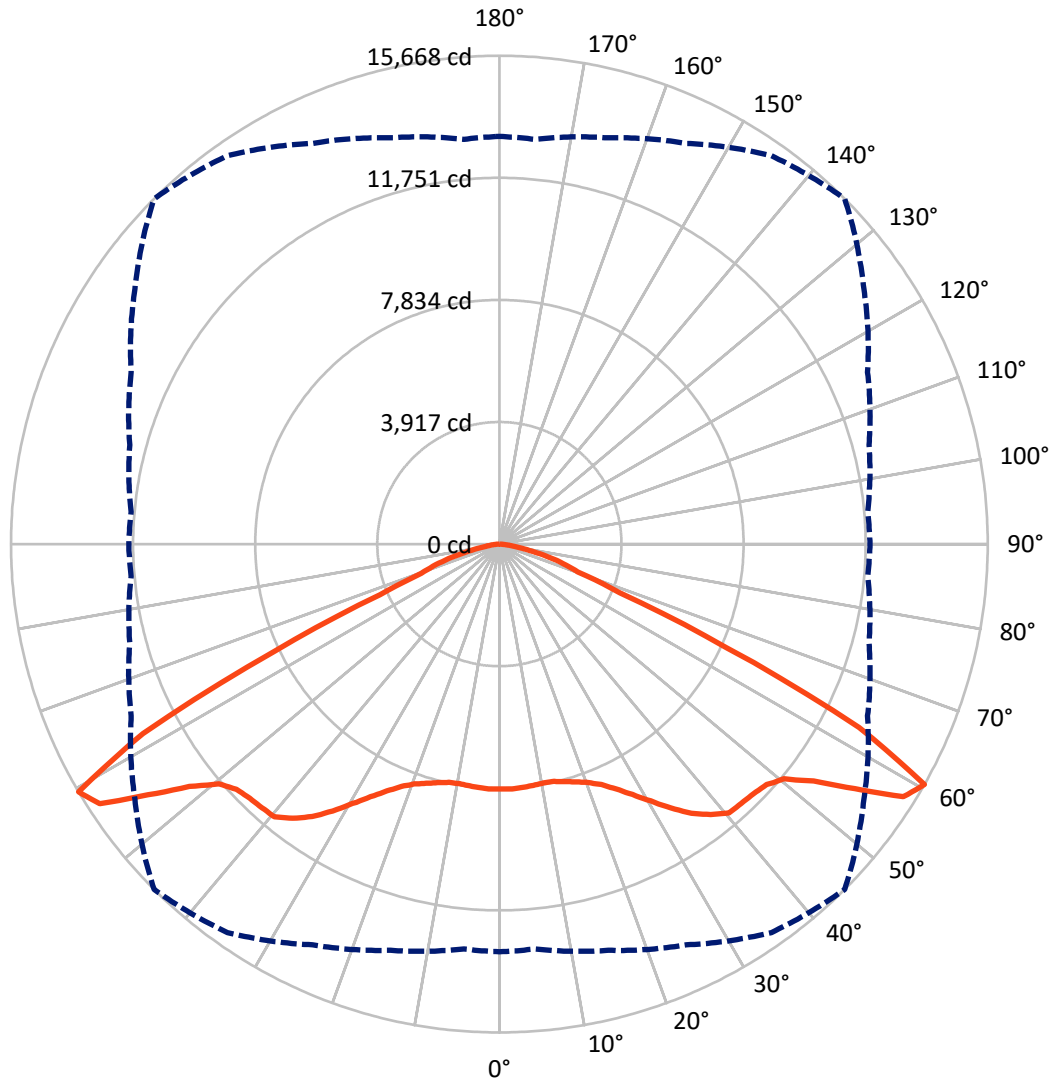
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P643740  
CATALOG NUMBER: GWS-SA6F-750-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P643740

CATALOG NUMBER: GWS-SA6F-750-U-5WQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21498.1	0.0	21498.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21498.1	0.0	21498.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42996.3	0.0	42996.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	745.2	1.7
10°-20°	2241.4	5.2
20°-30°	3965.3	9.2
30°-40°	6384.3	14.8
40°-50°	8775.1	20.4
50°-60°	11693.7	27.2
60°-70°	7288.0	17.0
70°-80°	1675.9	3.9
80°-90°	227.4	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°	42996.3	100.0
0°-180°	42996.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643740

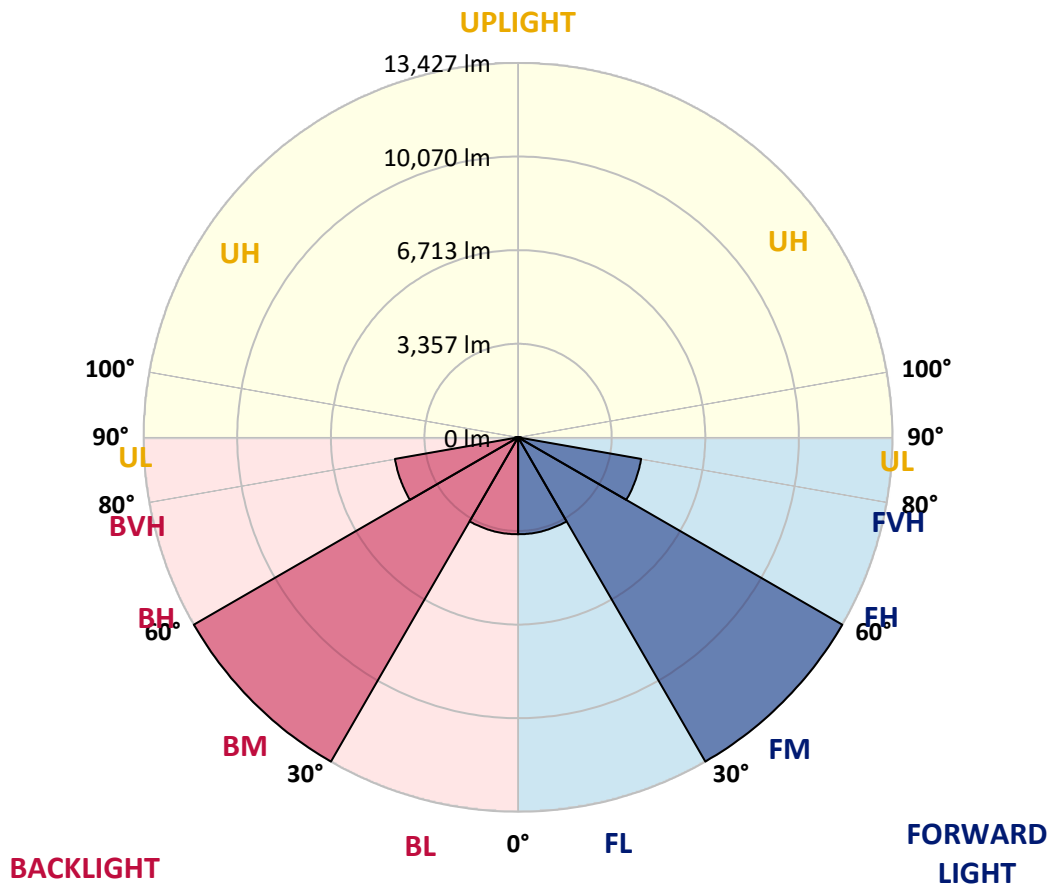
CATALOG NUMBER: GWS-SA6F-750-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3475.9	8.1			
FM (30°-60°)	13426.5	31.2			
FH (60°-80°)	4482.0	10.4			G2/5000
FVH (80°-90°)	113.7	0.3			G2/225
BL (0°-30°)	3475.9	8.1	B4/5000		
BM (30°-60°)	13426.5	31.2	B5		
BH (60°-80°)	4482.0	10.4	B4/5000		G2/5000
BVH (80°-90°)	113.7	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





REPORT NUMBER: P643740

CATALOG NUMBER: GWS-SA6F-750-U-5WQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7857.5	7857.5	7857.5	7857.5	7857.5	7857.5	7857.5	7857.5	7857.5	7857.5	7857.5
2.5°	7802.8	7810.1	7824.7	7835.6	7850.2	7864.8	7872.1	7857.5	7850.2	7821.0	7853.9
5°	7810.1	7817.4	7828.3	7828.3	7832.0	7842.9	7842.9	7824.7	7806.4	7773.6	7810.1
7.5°	7799.1	7806.4	7810.1	7806.4	7810.1	7813.7	7806.4	7784.5	7766.3	7737.1	7766.3
10°	7780.9	7788.2	7795.5	7788.2	7780.9	7791.8	7791.8	7777.2	7766.3	7737.1	7769.9
12.5°	7821.0	7832.0	7835.6	7817.4	7810.1	7813.7	7813.7	7799.1	7799.1	7773.6	7810.1
15°	7915.9	7923.2	7912.3	7890.4	7894.0	7905.0	7879.4	7842.9	7835.6	7824.7	7853.9
17.5°	7988.9	7996.2	7985.2	7970.6	7996.2	8021.7	7974.3	7905.0	7883.1	7875.8	7908.6
20°	8069.2	8080.1	8065.5	8083.8	8134.9	8164.1	8105.7	8010.8	7967.0	7956.1	7996.2
22.5°	8200.6	8215.2	8215.2	8255.3	8332.0	8379.4	8306.4	8178.7	8113.0	8094.7	8134.9
25°	8408.6	8419.5	8430.5	8510.8	8634.9	8700.6	8583.8	8408.6	8317.4	8288.2	8310.1
27.5°	8696.9	8715.2	8733.4	8850.2	9003.5	9098.4	8930.5	8711.5	8598.4	8540.0	8583.8
30°	9040.0	9065.5	9109.3	9240.7	9456.0	9561.9	9346.5	9080.1	8952.4	8890.3	8948.7
32.5°	9507.1	9510.8	9543.6	9689.6	9974.3	10094.7	9824.6	9529.0	9397.6	9324.6	9357.5
35°	10061.8	10065.5	10014.4	10164.0	10470.6	10605.6	10288.1	9988.9	9879.4	9857.5	9941.4
37.5°	10631.2	10598.3	10547.2	10612.9	10923.1	11010.7	10675.0	10419.5	10372.1	10412.2	10536.3
40°	11036.3	10981.5	10879.4	10926.8	11240.7	11342.8	10985.2	10744.3	10729.7	10828.3	10977.9
42.5°	11299.1	11240.7	11120.2	11120.2	11335.5	11379.3	11102.0	10974.2	11007.1	11120.2	11262.6
45°	11426.8	11393.9	11324.6	11288.1	11408.5	11426.8	11215.1	11164.0	11226.1	11280.8	11390.3
47.5°	11525.3	11525.3	11503.4	11466.9	11521.7	11532.6	11375.7	11361.1	11441.4	11441.4	11514.4
50°	11700.5	11718.8	11747.9	11740.6	11799.0	11835.5	11718.8	11696.9	11729.7	11623.9	11660.4
52.5°	12160.3	12207.8	12291.7	12357.4	12507.1	12620.2	12412.2	12237.0	12065.5	11831.9	11839.2
55°	12985.2	13007.0	13171.3	13364.7	13616.5	13846.4	13419.4	12875.7	12503.4	12229.7	12233.3
57.5°	13682.2	13715.1	13955.9	14361.0	14926.7	15284.4	14339.1	13430.4	12904.9	12569.1	12580.0
60°	13080.0	13036.2	13492.4	14185.9	15211.4	15667.6	14273.4	13032.6	12277.1	11861.1	11890.3
62.5°	10120.2	10036.3	10543.6	11269.9	12499.8	12956.0	11671.3	10481.5	9766.2	9441.4	9394.0
65°	6160.5	6083.8	6448.8	6894.0	7726.1	8014.4	7426.9	6795.5	6171.4	5974.3	5919.6
67.5°	3353.9	3343.0	3441.5	3660.5	4025.5	4160.5	4047.4	3748.1	3587.5	3448.8	3448.8
70°	2660.5	2638.6	2620.4	2624.0	2656.9	2675.1	2678.8	2664.2	2682.4	2686.1	2671.5
72.5°	2204.3	2197.0	2160.5	2164.2	2149.6	2142.3	2167.8	2182.4	2211.6	2215.3	2215.3
75°	1598.5	1580.3	1598.5	1602.2	1587.6	1587.6	1605.8	1602.2	1616.8	1624.1	1583.9
77.5°	908.7	908.7	934.3	963.5	985.4	985.4	1003.6	1003.6	1021.9	1018.2	1010.9
80°	500.0	500.0	514.6	532.8	554.7	576.6	594.9	598.5	609.5	605.8	594.9
82.5°	284.7	288.3	295.6	306.6	328.5	346.7	365.0	368.6	379.6	379.6	368.6
85°	135.0	131.4	135.0	142.3	153.3	167.9	186.1	197.1	204.4	204.4	197.1
87.5°	25.5	29.2	25.5	29.2	32.8	43.8	51.1	58.4	69.3	73.0	65.7
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)