

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: P642641

Luminaire Tested: GWS-SA6D-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642641  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

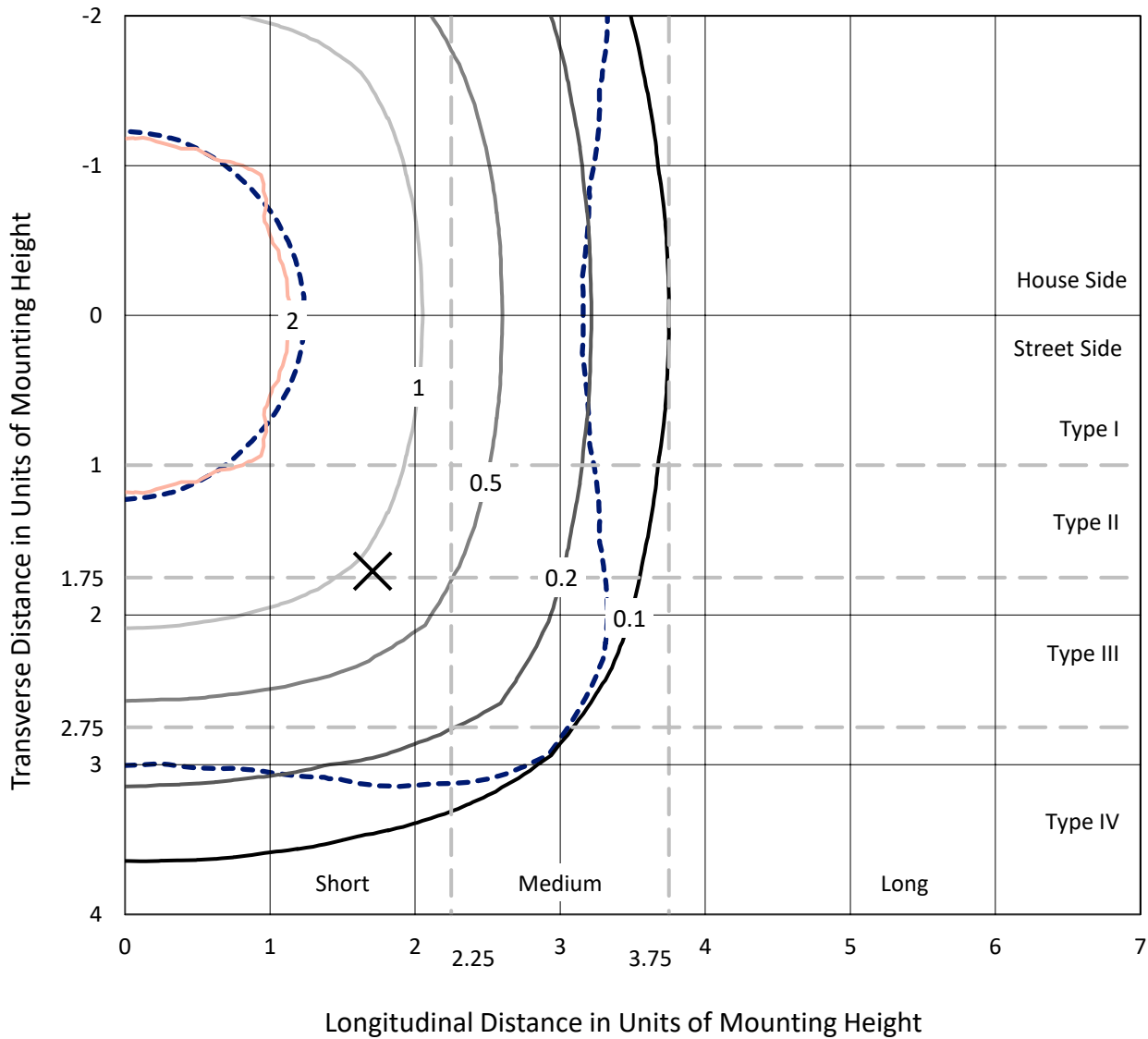
Lumens per Lamp: N/A  
Luminaire Lumens: 35818.3 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P642641  
 CATALOG NUMBER: GWS-SA6D-735-U-5WQ-W

### Iso-Footcandle Lines of Horizontal Illumination

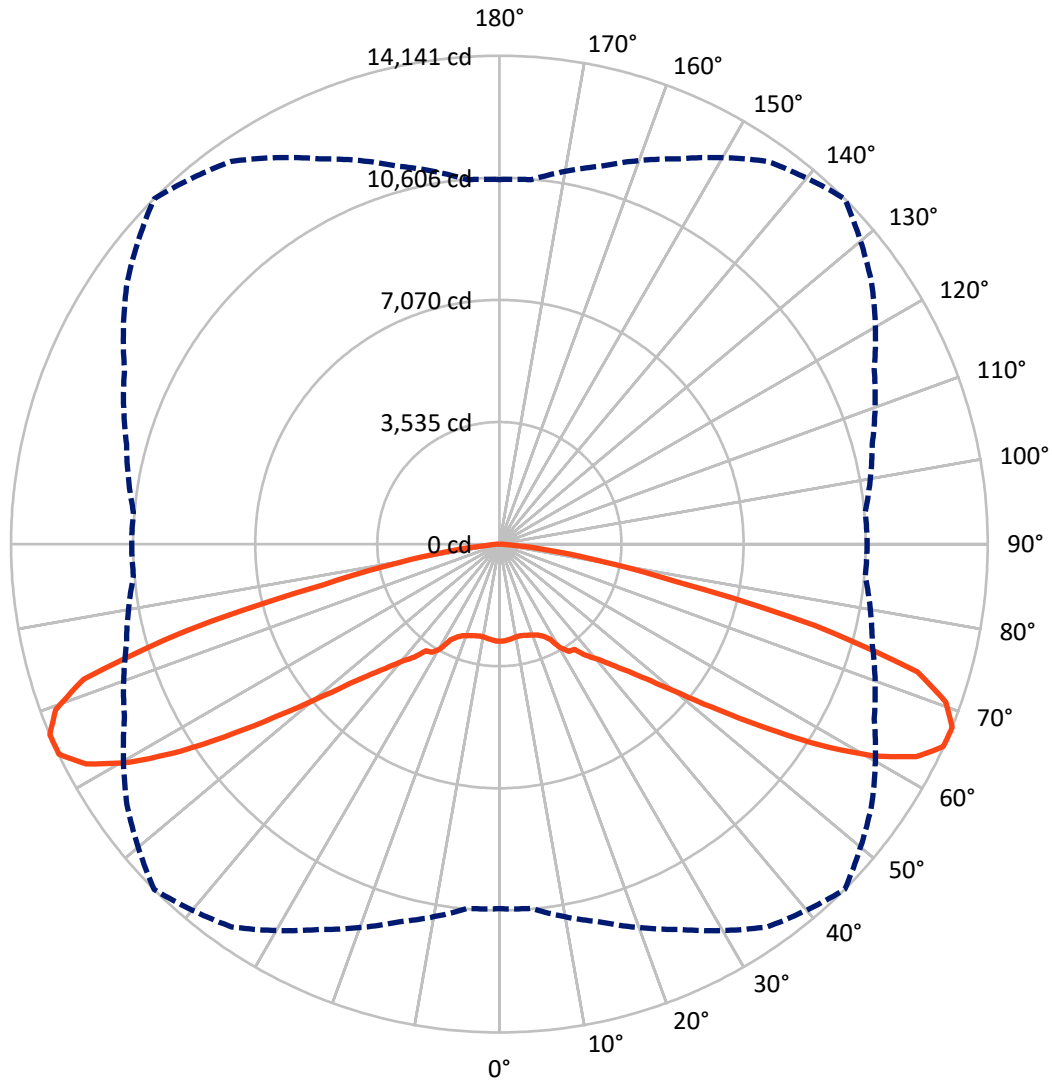
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P642641  
CATALOG NUMBER: GWS-SA6D-735-U-5WQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642641

CATALOG NUMBER: GWS-SA6D-735-U-5WQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17909.2	0.0	17909.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17909.2	0.0	17909.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35818.3	0.0	35818.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.7	0.7
10°-20°	782.7	2.2
20°-30°	1404.0	3.9
30°-40°	2371.7	6.6
40°-50°	4167.0	11.6
50°-60°	8038.4	22.4
60°-70°	11662.6	32.6
70°-80°	6672.8	18.6
80°-90°	455.4	1.3
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°	35818.3	100.0
0°-180°	35818.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642641

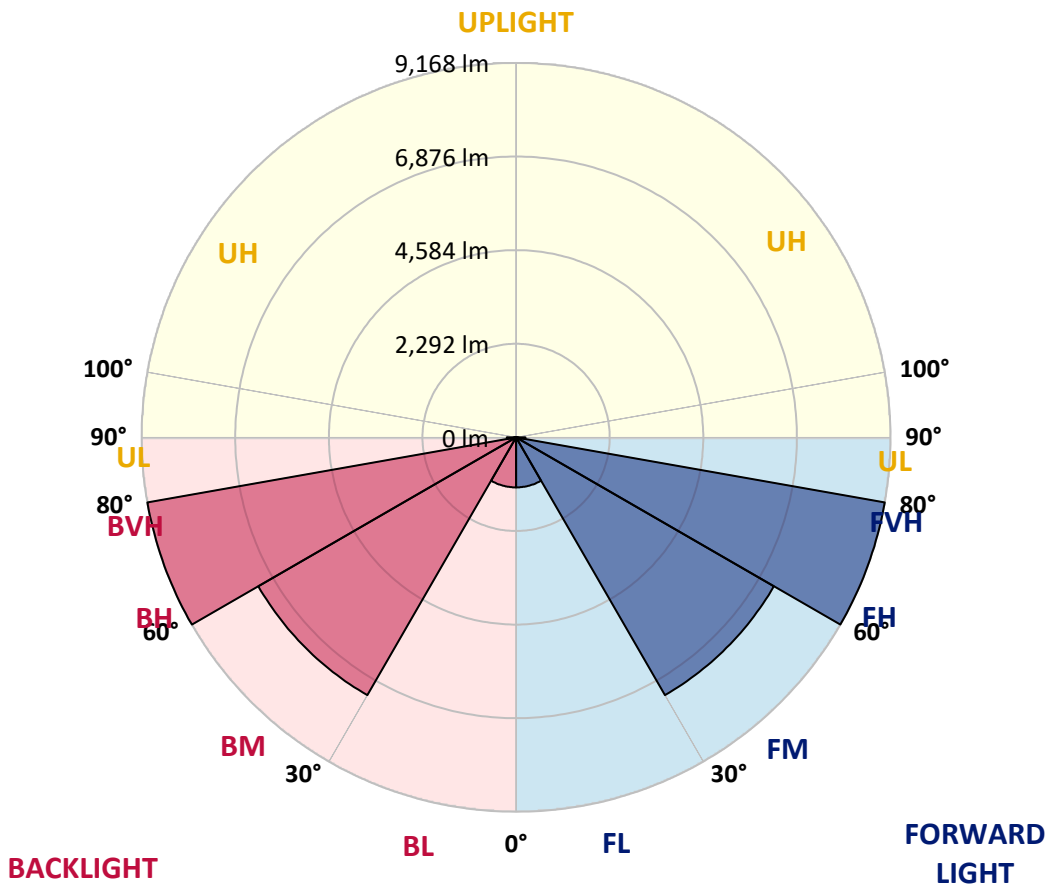
CATALOG NUMBER: GWS-SA6D-735-U-5WQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.2	3.4			
FM (30°-60°)	7288.6	20.3			
FH (60°-80°)	9167.7	25.6			G4/12000
FVH (80°-90°)	227.7	0.6			G3/500
BL (0°-30°)	1225.2	3.4	B3/2500		
BM (30°-60°)	7288.6	20.3	B4/8500		
BH (60°-80°)	9167.7	25.6	B5		G4/12000
BVH (80°-90°)	227.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





REPORT NUMBER: P642641  
 CATALOG NUMBER: GWS-SA6D-735-U-5WQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2808.9	2808.9	2808.9	2808.9	2808.9	2808.9	2808.9	2808.9	2808.9	2808.9	2808.9
2.5°	2786.1	2788.6	2793.7	2793.7	2798.8	2806.4	2808.9	2803.8	2806.4	2793.7	2806.4
5°	2778.5	2781.0	2783.6	2778.5	2778.5	2781.0	2781.0	2776.0	2778.5	2765.8	2778.5
7.5°	2760.8	2763.3	2763.3	2755.7	2748.1	2753.2	2753.2	2748.1	2750.6	2738.0	2753.2
10°	2745.6	2745.6	2743.0	2727.8	2720.2	2727.8	2730.4	2732.9	2743.0	2732.9	2750.6
12.5°	2755.7	2755.7	2748.1	2727.8	2715.2	2720.2	2725.3	2730.4	2748.1	2745.6	2765.8
15°	2783.6	2786.1	2765.8	2743.0	2735.4	2743.0	2738.0	2735.4	2758.2	2765.8	2788.6
17.5°	2806.4	2806.4	2781.0	2758.2	2760.8	2773.4	2763.3	2750.6	2773.4	2788.6	2814.0
20°	2826.6	2824.1	2796.2	2781.0	2791.2	2808.9	2801.3	2783.6	2798.8	2816.5	2839.3
22.5°	2877.3	2874.7	2844.3	2836.7	2846.9	2864.6	2857.0	2841.8	2859.5	2884.9	2912.7
25°	3021.6	3016.6	2971.0	2945.7	2940.6	2953.3	2950.7	2945.7	2973.5	3003.9	3036.8
27.5°	3214.1	3211.6	3178.7	3153.3	3120.4	3110.3	3117.9	3140.7	3181.2	3204.0	3231.9
30°	3310.4	3310.4	3305.3	3345.8	3416.8	3485.1	3432.0	3345.8	3310.4	3300.3	3328.1
32.5°	3437.0	3449.7	3432.0	3477.5	3596.6	3697.9	3596.6	3457.3	3432.0	3432.0	3462.4
35°	3728.3	3733.4	3705.5	3697.9	3735.9	3748.6	3700.4	3649.8	3677.6	3682.7	3720.7
37.5°	3961.3	3961.3	3948.7	3968.9	4047.4	4095.6	4017.0	3925.9	3933.5	3938.5	3986.6
40°	4321.0	4331.1	4300.7	4298.2	4328.6	4371.6	4288.0	4229.8	4270.3	4283.0	4356.4
42.5°	4769.3	4769.3	4723.7	4711.0	4731.3	4776.9	4698.4	4660.4	4713.6	4723.7	4766.7
45°	5303.7	5316.4	5255.6	5232.8	5242.9	5258.1	5202.4	5184.7	5235.3	5258.1	5334.1
47.5°	5954.6	5967.3	5914.1	5911.6	5901.4	5911.6	5858.4	5848.3	5888.8	5871.1	5952.1
50°	6757.5	6780.3	6734.7	6798.1	6790.5	6820.9	6747.4	6694.2	6694.2	6646.1	6691.7
52.5°	7656.7	7702.3	7725.1	7831.4	7912.5	7988.5	7866.9	7783.3	7661.7	7563.0	7687.1
55°	8636.9	8624.2	8768.6	9001.6	9239.7	9419.5	9181.4	8918.0	8720.5	8515.3	8563.4
57.5°	9495.5	9538.6	9728.5	10154.0	10625.1	11005.1	10577.0	10070.5	9622.1	9328.3	9368.9
60°	10209.8	10245.2	10498.5	11111.4	11934.6	12458.9	11780.1	10944.3	10293.3	9888.1	9931.1
62.5°	10868.3	10901.2	11157.0	11833.3	12871.7	13555.6	12679.2	11536.9	10812.6	10404.8	10430.1
65°	11248.2	11268.5	11618.0	12329.7	13423.9	14130.5	13142.7	11965.0	11253.3	10837.9	10853.1
67.5°	10556.8	10589.7	11326.7	12309.5	13530.3	14140.7	13163.0	11977.7	11177.3	10635.3	10647.9
70°	8327.9	8300.0	9178.9	10868.3	12919.9	13715.2	12577.9	11078.5	9842.5	9085.2	9072.5
72.5°	6349.8	6357.4	6846.2	8003.7	10534.0	12656.4	11098.8	8920.6	7588.3	7013.3	6990.6
75°	4604.6	4675.6	5073.2	5921.7	7367.9	9460.0	8355.7	6610.6	5719.1	5374.6	5324.0
77.5°	2074.4	2165.6	2720.2	3718.2	4926.3	5227.7	5248.0	4488.1	3386.4	2814.0	2725.3
80°	605.3	648.4	833.3	1426.0	2294.7	2965.9	2355.5	1980.7	1233.5	967.5	921.9
82.5°	255.8	291.3	357.1	395.1	666.1	1375.3	856.1	544.6	506.6	410.3	374.9
85°	108.9	116.5	149.4	159.6	215.3	293.8	271.0	245.7	235.6	182.4	167.2
87.5°	45.6	45.6	45.6	40.5	38.0	40.5	55.7	70.9	93.7	73.5	68.4
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)