

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: P642311

Luminaire Tested: GWS-SA6C-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642311
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-SA6C-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29042.6 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

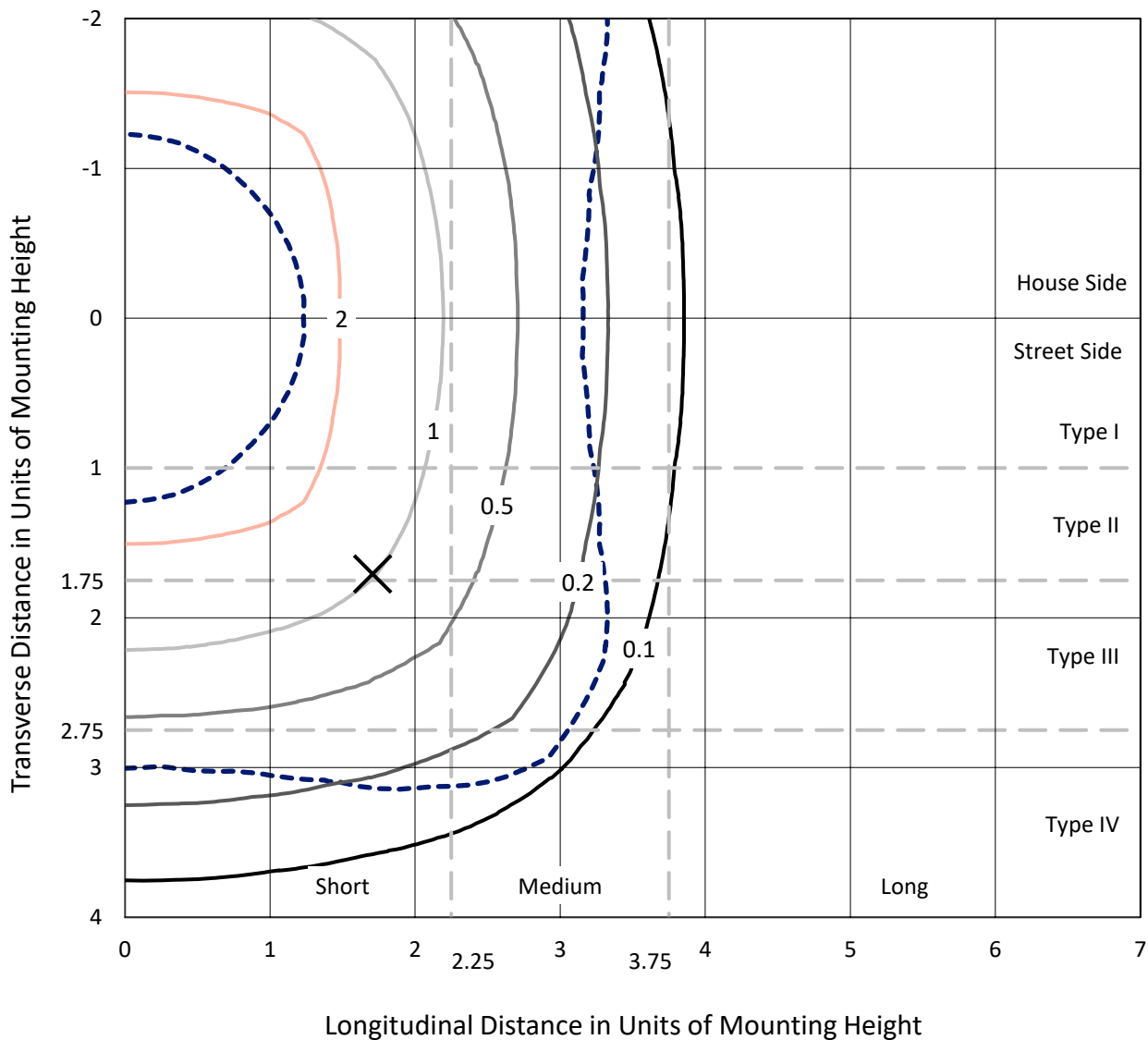
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642311
 CATALOG NUMBER: GWS-SA6C-760-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

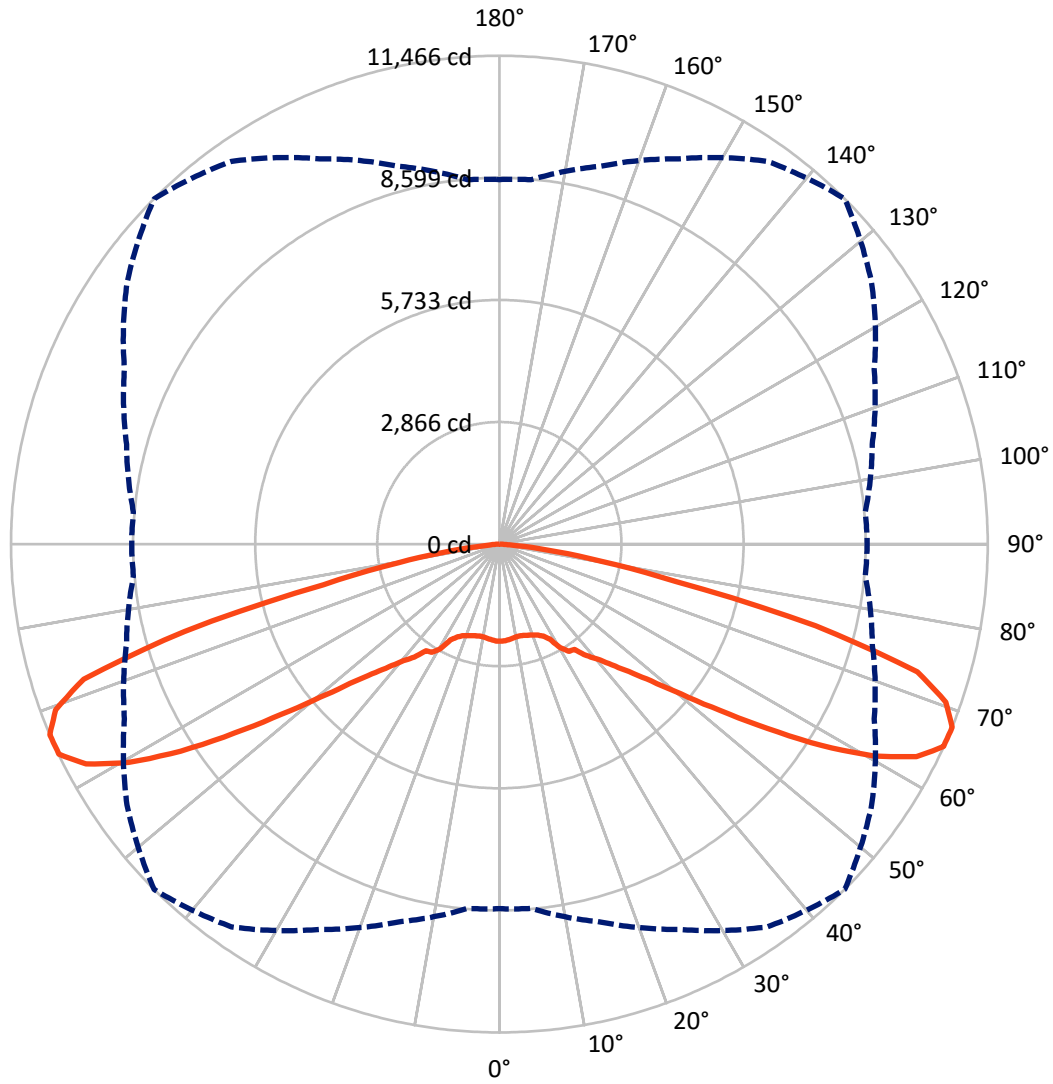
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P642311
CATALOG NUMBER: GWS-SA6C-760-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642311

CATALOG NUMBER: GWS-SA6C-760-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14521.3	0.0	14521.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14521.3	0.0	14521.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	29042.6	0.0	29042.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.8	0.7
10°-20°	634.6	2.2
20°-30°	1138.4	3.9
30°-40°	1923.0	6.6
40°-50°	3378.8	11.6
50°-60°	6517.8	22.4
60°-70°	9456.4	32.6
70°-80°	5410.5	18.6
80°-90°	369.3	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°	29042.6	100.0
0°-180°	29042.6	100.0

Coefficient of Utilization



REPORT NUMBER: P642311

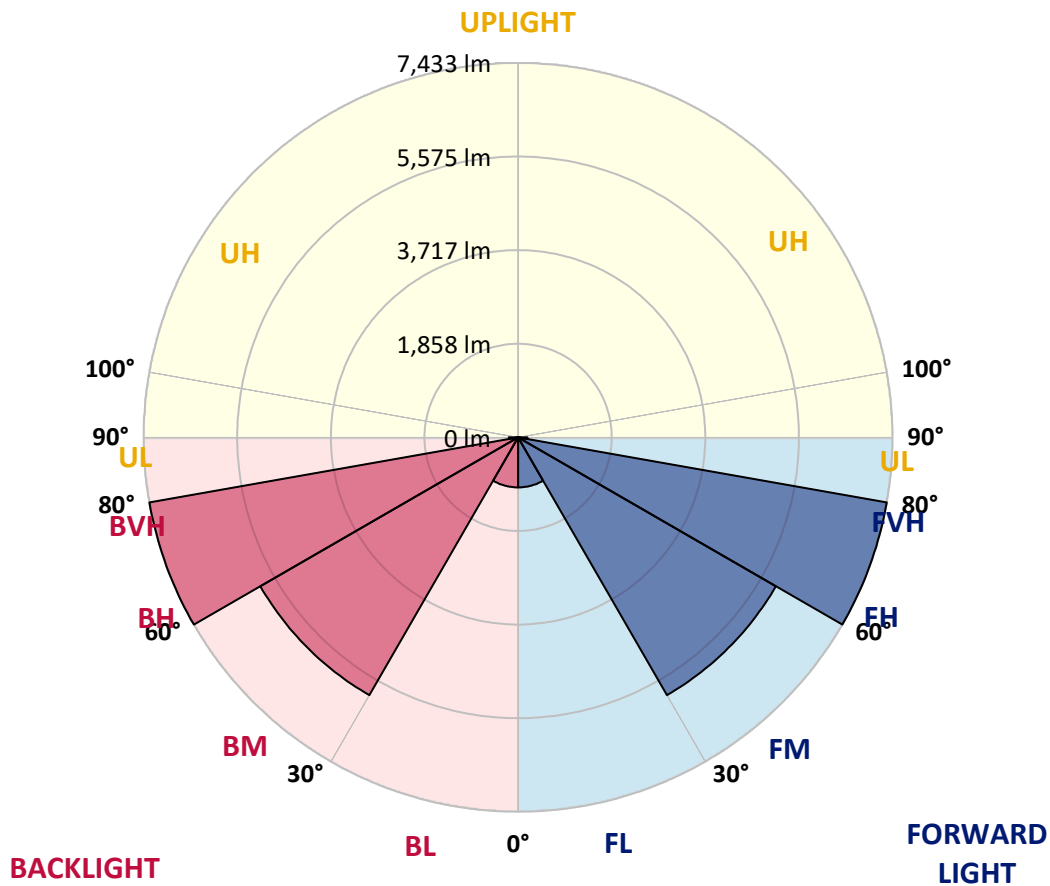
CATALOG NUMBER: GWS-SA6C-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	993.4	3.4			
FM (30°-60°)	5909.8	20.3			
FH (60°-80°)	7433.5	25.6			G3/7500
FVH (80°-90°)	184.6	0.6			G2/225
BL (0°-30°)	993.4	3.4	B2/1000		
BM (30°-60°)	5909.8	20.3	B4/8500		
BH (60°-80°)	7433.5	25.6	B5		G3/7500
BVH (80°-90°)	184.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P642311
 CATALOG NUMBER: GWS-SA6C-760-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5
2.5°	2259.0	2261.1	2265.2	2265.2	2269.3	2275.5	2277.5	2273.4	2275.5	2265.2	2275.5
5°	2252.9	2254.9	2257.0	2252.9	2252.9	2254.9	2254.9	2250.8	2252.9	2242.6	2252.9
7.5°	2238.5	2240.6	2240.6	2234.4	2228.2	2232.4	2232.4	2228.2	2230.3	2220.0	2232.4
10°	2226.2	2226.2	2224.1	2211.8	2205.7	2211.8	2213.9	2215.9	2224.1	2215.9	2230.3
12.5°	2234.4	2234.4	2228.2	2211.8	2201.5	2205.7	2209.8	2213.9	2228.2	2226.2	2242.6
15°	2257.0	2259.0	2242.6	2224.1	2218.0	2224.1	2220.0	2218.0	2236.5	2242.6	2261.1
17.5°	2275.5	2275.5	2254.9	2236.5	2238.5	2248.8	2240.6	2230.3	2248.8	2261.1	2281.6
20°	2291.9	2289.9	2267.3	2254.9	2263.2	2277.5	2271.4	2257.0	2269.3	2283.7	2302.2
22.5°	2333.0	2330.9	2306.3	2300.1	2308.3	2322.7	2316.6	2304.2	2318.6	2339.1	2361.7
25°	2450.0	2445.9	2409.0	2388.4	2384.3	2394.6	2392.5	2388.4	2411.0	2435.7	2462.4
27.5°	2606.1	2604.1	2577.4	2556.8	2530.1	2521.9	2528.1	2546.6	2579.4	2597.9	2620.5
30°	2684.2	2684.2	2680.1	2712.9	2770.4	2825.9	2782.7	2712.9	2684.2	2675.9	2698.5
32.5°	2786.8	2797.1	2782.7	2819.7	2916.2	2998.4	2916.2	2803.3	2782.7	2782.7	2807.4
35°	3023.0	3027.1	3004.5	2998.4	3029.2	3039.4	3000.4	2959.4	2981.9	2986.1	3016.9
37.5°	3212.0	3212.0	3201.7	3218.1	3281.8	3320.8	3257.1	3183.2	3189.4	3193.5	3232.5
40°	3503.6	3511.8	3487.2	3485.1	3509.7	3544.7	3476.9	3429.6	3462.5	3472.8	3532.3
42.5°	3867.1	3867.1	3830.1	3819.8	3836.3	3873.2	3809.6	3778.8	3821.9	3830.1	3865.0
45°	4300.4	4310.7	4261.4	4242.9	4251.1	4263.4	4218.3	4203.9	4245.0	4263.4	4325.1
47.5°	4828.2	4838.5	4795.3	4793.3	4785.1	4793.3	4750.2	4742.0	4774.8	4760.4	4826.2
50°	5479.2	5497.7	5460.7	5512.1	5505.9	5530.6	5471.0	5427.9	5427.9	5388.9	5425.8
52.5°	6208.3	6245.2	6263.7	6350.0	6415.7	6477.3	6378.7	6311.0	6212.4	6132.3	6232.9
55°	7003.1	6992.8	7109.8	7298.8	7491.8	7637.6	7444.6	7231.0	7070.8	6904.5	6943.5
57.5°	7699.3	7734.2	7888.2	8233.2	8615.2	8923.2	8576.2	8165.4	7801.9	7563.7	7596.6
60°	8278.4	8307.1	8512.5	9009.5	9676.9	10102.1	9551.7	8874.0	8346.2	8017.6	8052.5
62.5°	8812.3	8839.0	9046.5	9594.8	10436.8	10991.3	10280.7	9354.5	8767.2	8436.5	8457.1
65°	9120.4	9136.8	9420.2	9997.3	10884.5	11457.5	10656.6	9701.6	9124.5	8787.7	8800.0
67.5°	8559.7	8586.4	9184.1	9980.9	10970.8	11465.7	10673.0	9711.9	9062.9	8623.4	8633.7
70°	6752.5	6729.9	7442.5	8812.3	10475.8	11120.7	10198.6	8982.8	7980.6	7366.6	7356.3
72.5°	5148.6	5154.7	5551.1	6489.6	8541.3	10262.2	8999.2	7233.1	6152.8	5686.6	5668.2
75°	3733.6	3791.1	4113.5	4801.5	5974.2	7670.5	6775.1	5360.1	4637.2	4357.9	4316.8
77.5°	1682.0	1755.9	2205.7	3014.8	3994.4	4238.8	4255.2	3639.1	2745.8	2281.6	2209.8
80°	490.8	525.7	675.7	1156.2	1860.6	2404.9	1909.9	1606.0	1000.1	784.5	747.5
82.5°	207.4	236.2	289.6	320.4	540.1	1115.1	694.1	441.5	410.7	332.7	303.9
85°	88.3	94.5	121.2	129.4	174.6	238.2	219.7	199.2	191.0	147.9	135.5
87.5°	37.0	37.0	37.0	32.9	30.8	32.9	45.2	57.5	76.0	59.6	55.4
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)