

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: P642256

Luminaire Tested: GWS-SA6C-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642256
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-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29446.2 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

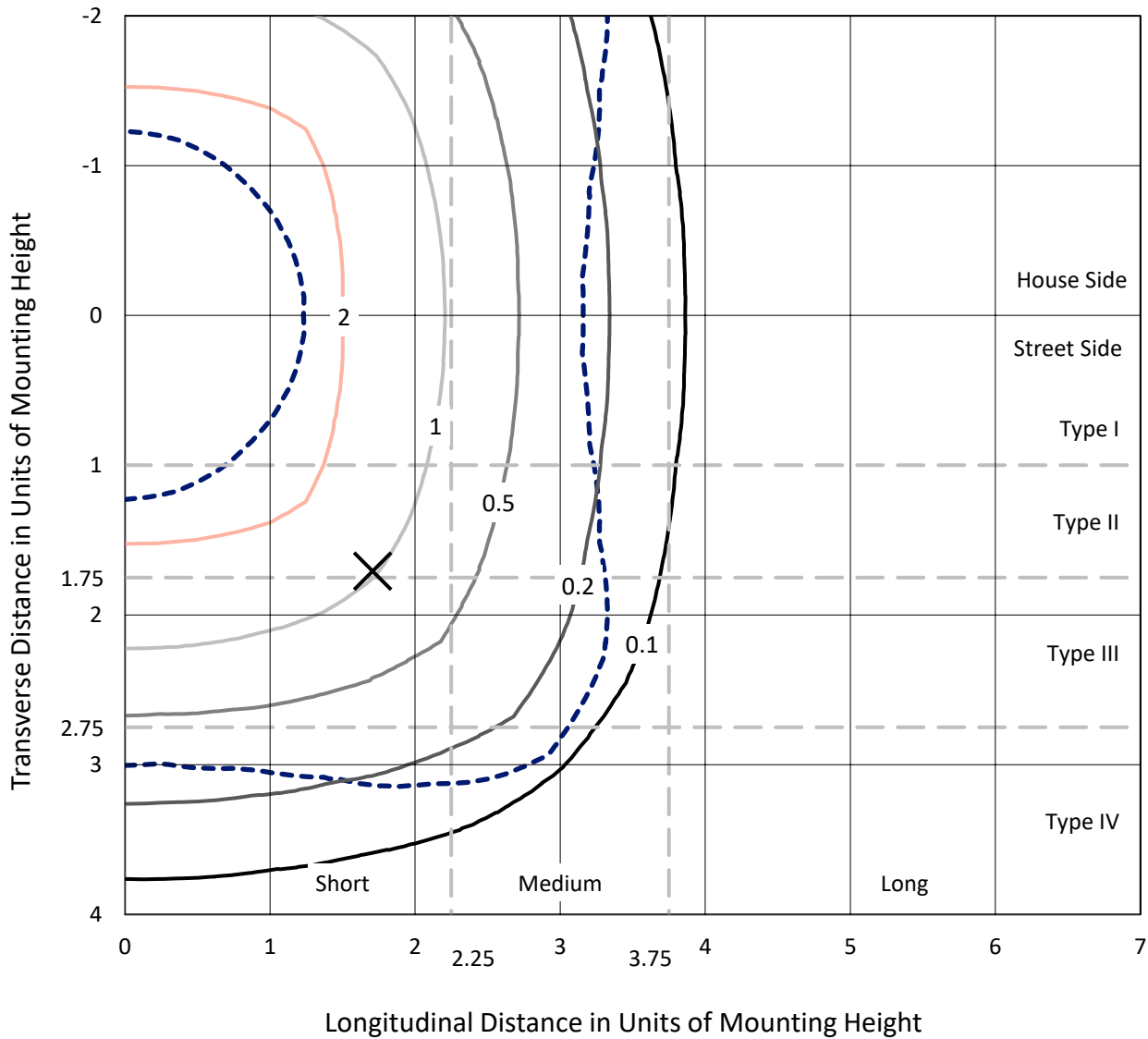
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

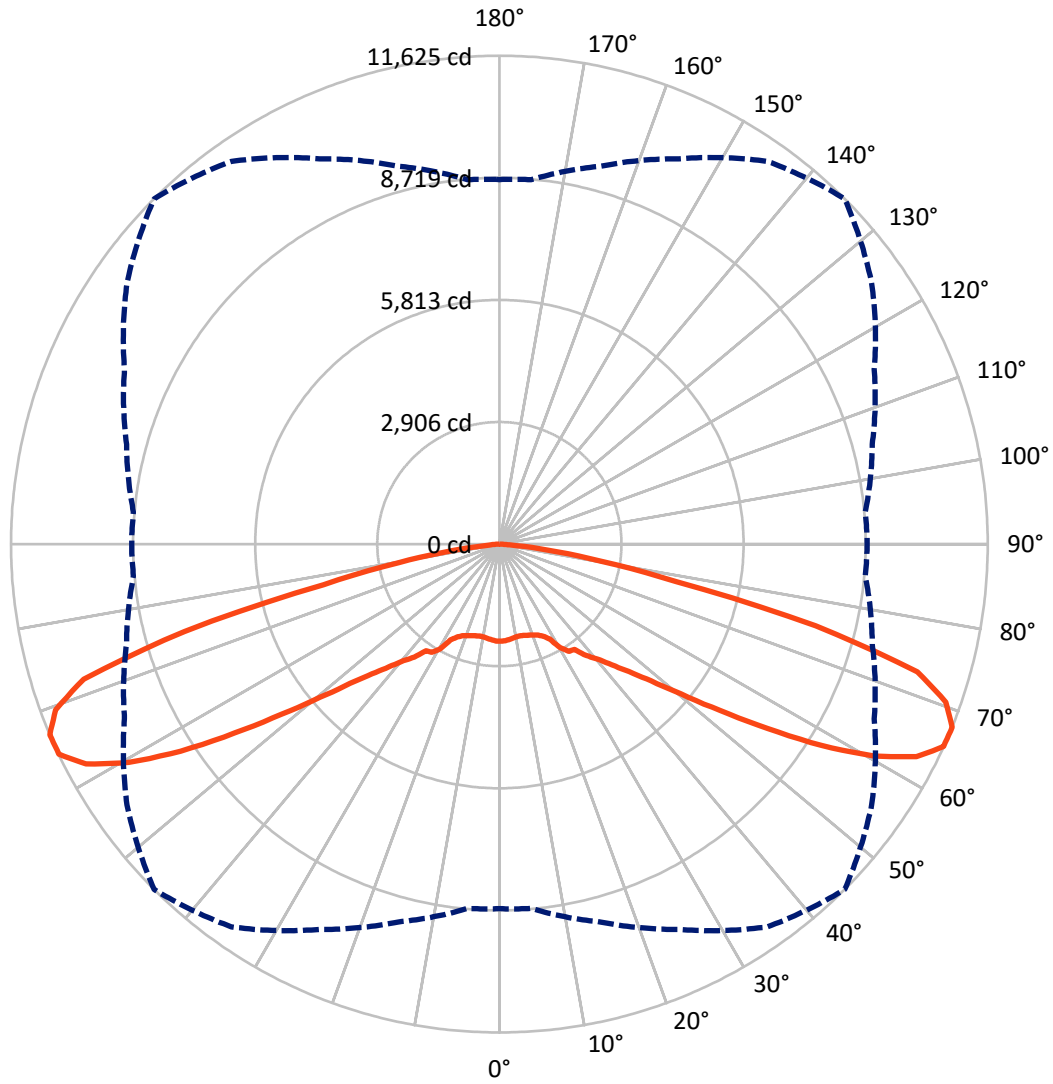
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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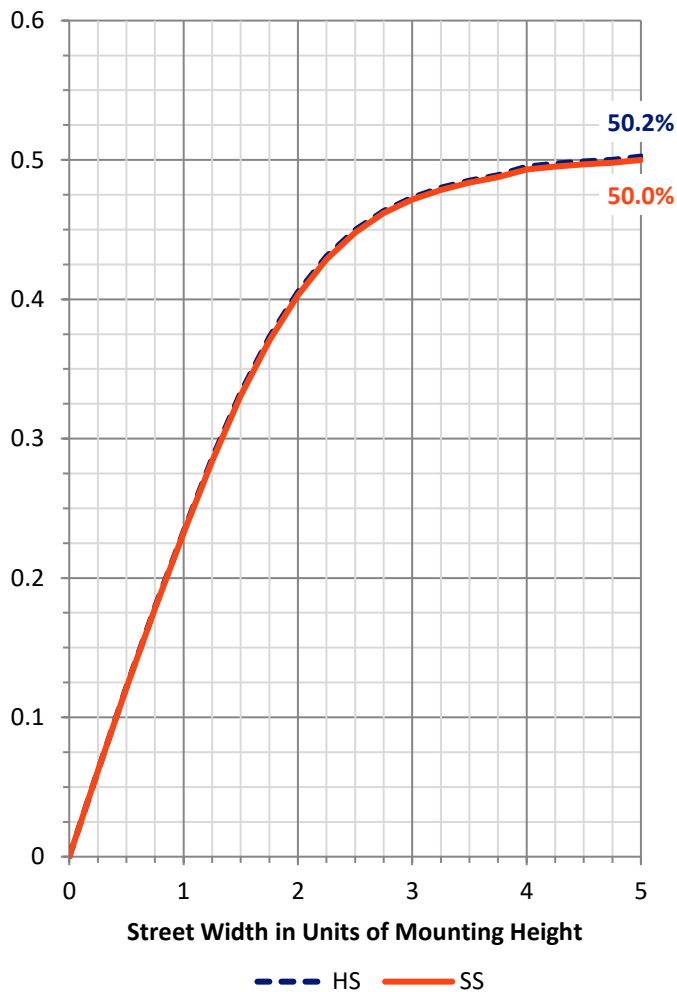
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14723.1	0.0	14723.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14723.1	0.0	14723.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	29446.2	0.0	29446.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	0.7
10°-20°	643.4	2.2
20°-30°	1154.2	3.9
30°-40°	1949.8	6.6
40°-50°	3425.7	11.6
50°-60°	6608.3	22.4
60°-70°	9587.8	32.6
70°-80°	5485.7	18.6
80°-90°	374.4	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°	29446.2	100.0
0°-180°	29446.2	100.0

Coefficient of Utilization



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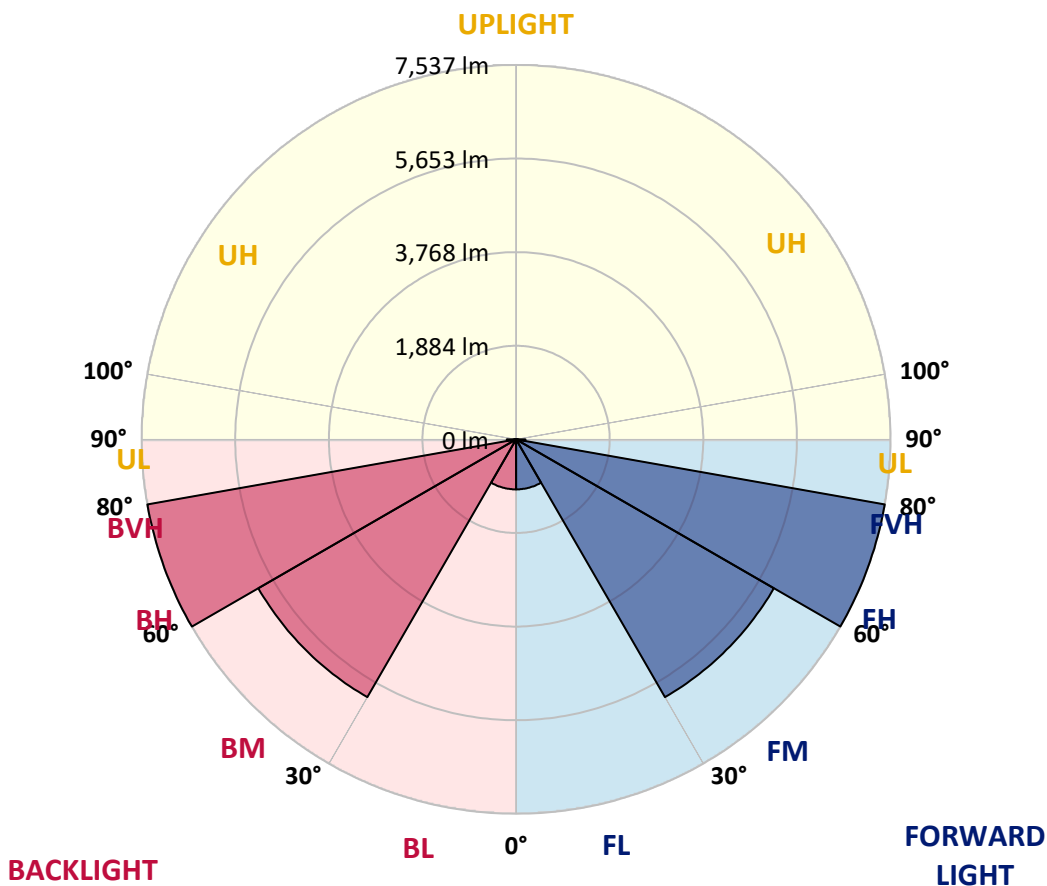
CATALOG NUMBER: GWS-SA6C-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.2	3.4			
FM (30°-60°)	5991.9	20.3			
FH (60°-80°)	7536.8	25.6			G4/12000
FVH (80°-90°)	187.2	0.6			G2/225
BL (0°-30°)	1007.2	3.4	B3/2500		
BM (30°-60°)	5991.9	20.3	B4/8500		
BH (60°-80°)	7536.8	25.6	B5		G4/12000
BVH (80°-90°)	187.2	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2	2309.2
2.5°	2290.4	2292.5	2296.7	2296.7	2300.9	2307.1	2309.2	2305.0	2307.1	2296.7	2307.1
5°	2284.2	2286.3	2288.4	2284.2	2284.2	2286.3	2286.3	2282.1	2284.2	2273.8	2284.2
7.5°	2269.6	2271.7	2271.7	2265.5	2259.2	2263.4	2263.4	2259.2	2261.3	2250.9	2263.4
10°	2257.1	2257.1	2255.0	2242.6	2236.3	2242.6	2244.6	2246.7	2255.0	2246.7	2261.3
12.5°	2265.5	2265.5	2259.2	2242.6	2232.1	2236.3	2240.5	2244.6	2259.2	2257.1	2273.8
15°	2288.4	2290.4	2273.8	2255.0	2248.8	2255.0	2250.9	2248.8	2267.5	2273.8	2292.5
17.5°	2307.1	2307.1	2286.3	2267.5	2269.6	2280.0	2271.7	2261.3	2280.0	2292.5	2313.3
20°	2323.8	2321.7	2298.8	2286.3	2294.6	2309.2	2302.9	2288.4	2300.9	2315.4	2334.2
22.5°	2365.4	2363.3	2338.3	2332.1	2340.4	2355.0	2348.7	2336.3	2350.8	2371.6	2394.6
25°	2484.1	2479.9	2442.4	2421.6	2417.5	2427.9	2425.8	2421.6	2444.5	2469.5	2496.6
27.5°	2642.3	2640.3	2613.2	2592.4	2565.3	2557.0	2563.2	2582.0	2615.3	2634.0	2656.9
30°	2721.5	2721.5	2717.3	2750.6	2808.9	2865.1	2821.4	2750.6	2721.5	2713.1	2736.0
32.5°	2825.6	2836.0	2821.4	2858.9	2956.8	3040.0	2956.8	2842.2	2821.4	2821.4	2846.4
35°	3065.0	3069.2	3046.3	3040.0	3071.3	3081.7	3042.1	3000.5	3023.4	3027.5	3058.8
37.5°	3256.6	3256.6	3246.2	3262.8	3327.4	3367.0	3302.4	3227.4	3233.7	3237.9	3277.4
40°	3552.3	3560.6	3535.6	3533.5	3558.5	3593.9	3525.2	3477.3	3510.6	3521.0	3581.4
42.5°	3920.8	3920.8	3883.3	3872.9	3889.6	3927.1	3862.5	3831.3	3875.0	3883.3	3918.7
45°	4360.2	4370.6	4320.6	4301.9	4310.2	4322.7	4276.9	4262.3	4304.0	4322.7	4385.2
47.5°	4895.3	4905.7	4862.0	4859.9	4851.6	4859.9	4816.2	4807.8	4841.2	4826.6	4893.2
50°	5555.4	5574.1	5536.6	5588.7	5582.4	5607.4	5547.0	5503.3	5503.3	5463.7	5501.2
52.5°	6294.6	6332.0	6350.8	6438.2	6504.9	6567.3	6467.4	6398.7	6298.7	6217.5	6319.5
55°	7100.4	7090.0	7208.6	7400.2	7595.9	7743.8	7548.1	7331.5	7169.1	7000.4	7040.0
57.5°	7806.2	7841.6	7997.8	8347.6	8734.9	9047.3	8695.4	8278.9	7910.4	7668.8	7702.1
60°	8393.4	8422.6	8630.8	9134.7	9811.4	10242.4	9684.4	8997.3	8462.1	8129.0	8164.4
62.5°	8934.8	8961.9	9172.2	9728.1	10581.8	11144.0	10423.6	9484.5	8889.0	8553.8	8574.6
65°	9247.1	9263.8	9551.1	10136.3	11035.8	11616.7	10804.6	9836.4	9251.3	8909.8	8922.3
67.5°	8678.7	8705.8	9311.7	10119.6	11123.2	11625.0	10821.3	9846.8	9188.8	8743.2	8753.7
70°	6846.3	6823.4	7546.0	8934.8	10621.4	11275.2	10340.3	9107.6	8091.5	7468.9	7458.5
72.5°	5220.1	5226.4	5628.2	6579.8	8660.0	10404.9	9124.3	7333.6	6238.3	5765.7	5746.9
75°	3785.5	3843.8	4170.7	4868.2	6057.2	7777.1	6869.2	5434.6	4701.7	4418.5	4376.8
77.5°	1705.3	1780.3	2236.3	3056.7	4049.9	4297.7	4314.4	3689.7	2783.9	2313.3	2240.5
80°	497.7	533.0	685.1	1172.3	1886.5	2438.3	1936.5	1628.3	1014.0	795.4	757.9
82.5°	210.3	239.5	293.6	324.8	547.6	1130.6	703.8	447.7	416.4	337.3	308.2
85°	89.5	95.8	122.9	131.2	177.0	241.5	222.8	202.0	193.6	149.9	137.4
87.5°	37.5	37.5	37.5	33.3	31.2	33.3	45.8	58.3	77.0	60.4	56.2
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)