

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: P643244

Luminaire Tested: GWS-SA6E-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24097.4 lumens
Efficiency: N/A
Efficacy: 74.4 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): 323.8
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

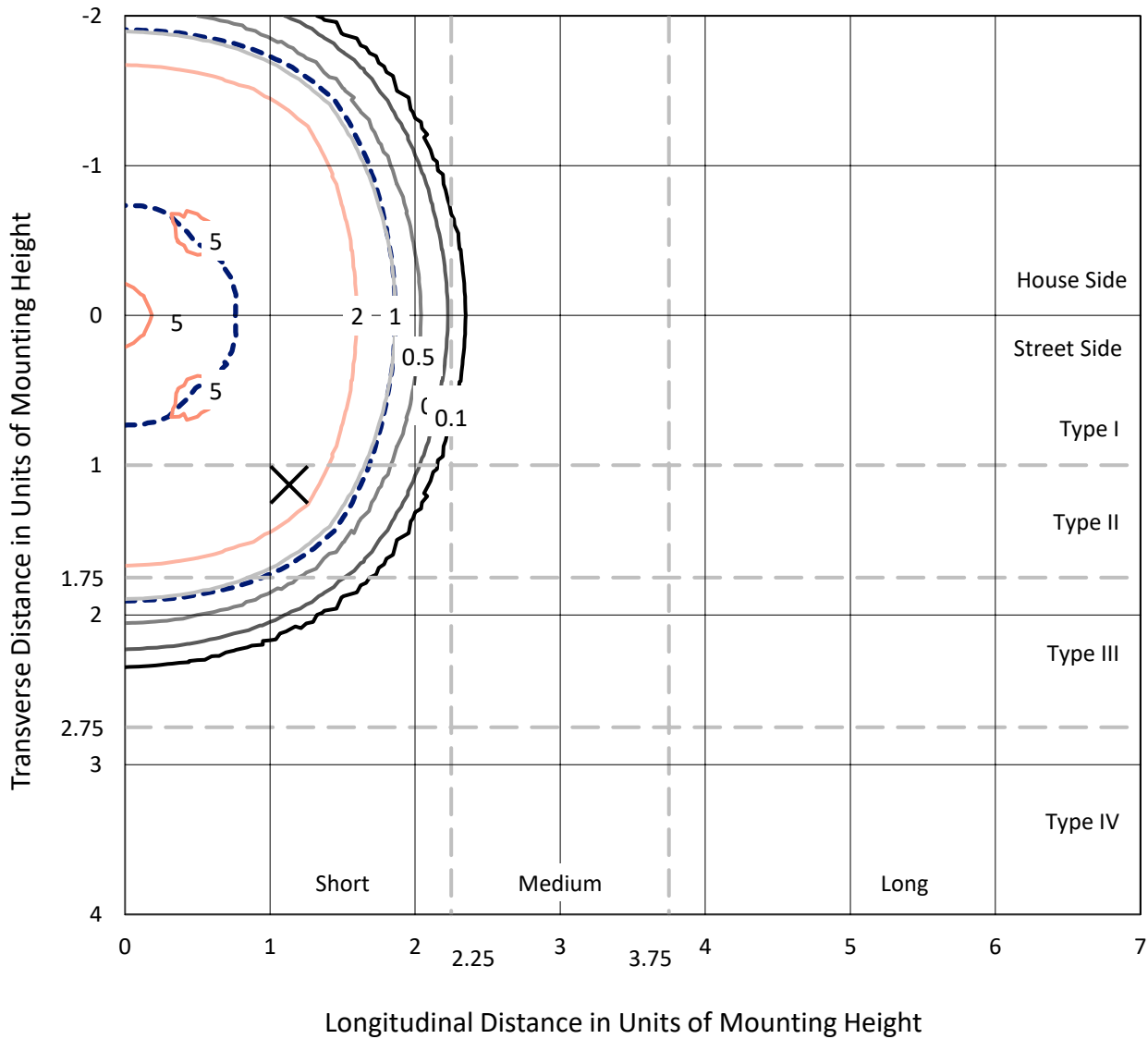


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Iso-Footcandle Lines of Horizontal Illumination

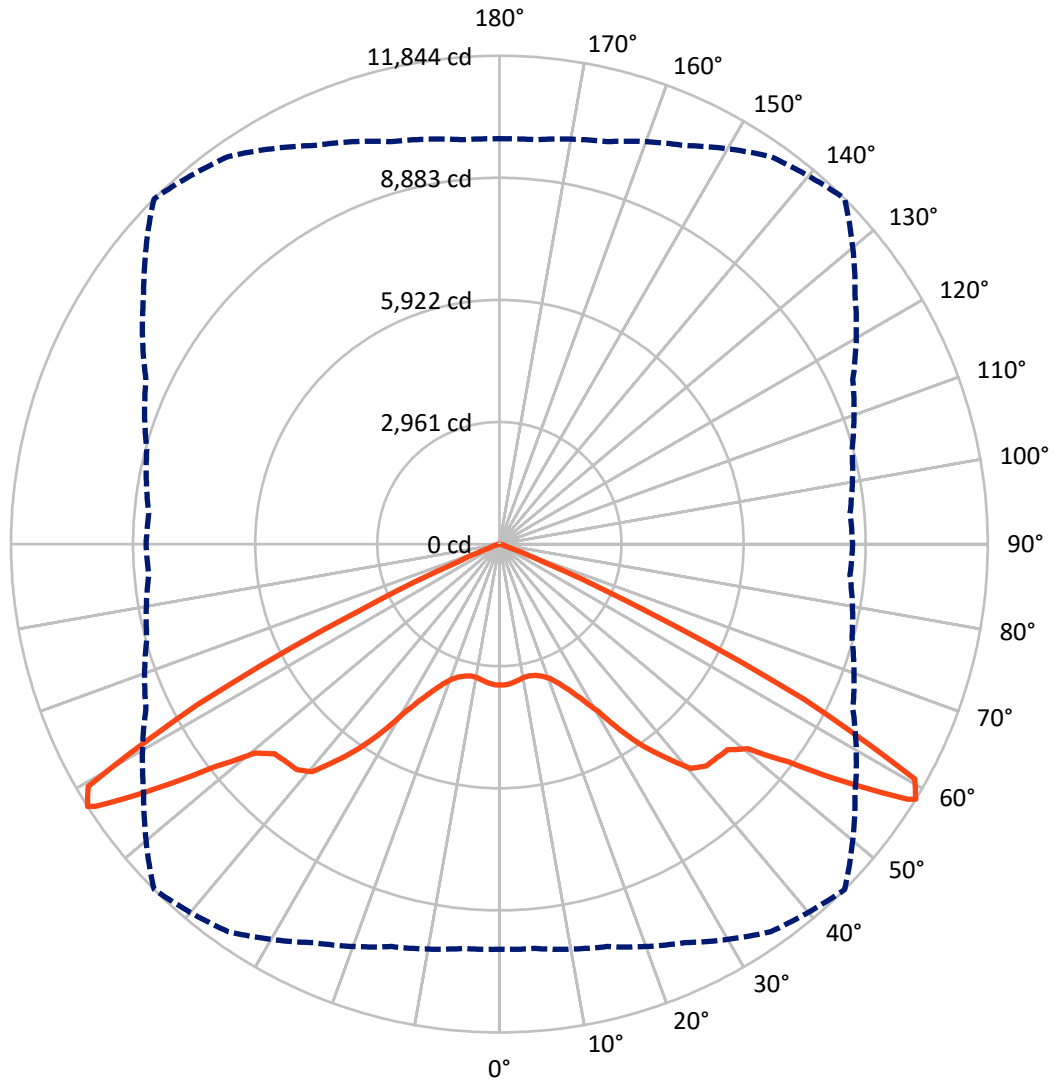
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12048.7	0.0	12048.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12048.7	0.0	12048.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	24097.4	0.0	24097.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.9	1.3
10°-20°	943.4	3.9
20°-30°	1784.3	7.4
30°-40°	3519.0	14.6
40°-50°	5568.8	23.1
50°-60°	8185.8	34.0
60°-70°	3653.8	15.2
70°-80°	122.4	0.5
80°-90°	1.0	0.0
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°	24097.4	100.0
0°-180°	24097.4	100.0

Coefficient of Utilization



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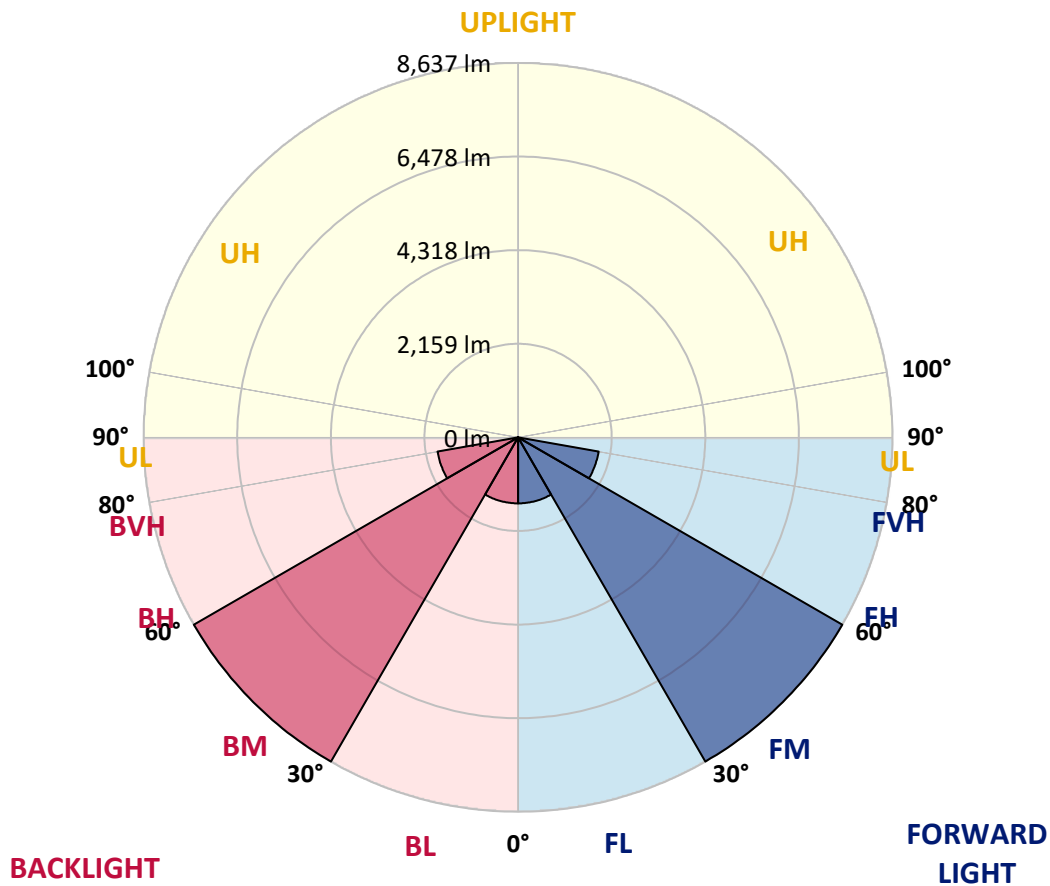
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.3	6.3			
FM (30°-60°)	8636.8	35.8			
FH (60°-80°)	1888.1	7.8			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1523.3	6.3	B3/2500		
BM (30°-60°)	8636.8	35.8	B5		
BH (60°-80°)	1888.1	7.8	B3/2500		G2/5000
BVH (80°-90°)	0.5	0.0			G0/10
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°	3417.3	3417.3	3417.3	3417.3	3417.3	3417.3	3417.3	3417.3	3417.3	3417.3	3417.3
2.5°	3384.5	3391.1	3397.6	3400.9	3404.2	3414.0	3417.3	3407.5	3407.5	3387.8	3410.8
5°	3368.1	3374.7	3381.2	3377.9	3377.9	3377.9	3374.7	3361.5	3358.2	3338.5	3361.5
7.5°	3338.5	3345.1	3345.1	3335.3	3328.7	3328.7	3325.4	3309.0	3305.7	3286.0	3309.0
10°	3315.6	3318.9	3315.6	3295.9	3282.7	3282.7	3279.5	3272.9	3276.2	3263.0	3282.7
12.5°	3328.7	3332.0	3318.9	3292.6	3276.2	3272.9	3263.0	3253.2	3263.0	3259.8	3279.5
15°	3371.4	3374.7	3351.7	3318.9	3305.7	3305.7	3279.5	3253.2	3266.3	3269.6	3292.6
17.5°	3423.9	3423.9	3394.4	3364.8	3368.1	3368.1	3325.4	3279.5	3282.7	3295.9	3318.9
20°	3486.3	3486.3	3456.7	3450.2	3473.1	3476.4	3423.9	3351.7	3335.3	3345.1	3371.4
22.5°	3597.9	3597.9	3574.9	3591.3	3643.8	3660.3	3581.5	3479.7	3440.3	3446.9	3473.1
25°	3771.9	3771.9	3765.3	3804.7	3880.2	3916.3	3811.3	3676.7	3611.0	3601.2	3630.7
27.5°	4064.0	4067.3	4057.5	4116.6	4211.8	4254.4	4110.0	3932.7	3853.9	3837.5	3867.1
30°	4441.5	4441.5	4444.8	4526.9	4651.6	4707.4	4517.1	4310.2	4218.3	4165.8	4205.2
32.5°	4861.7	4868.3	4901.1	5039.0	5258.9	5373.8	5094.8	4805.9	4658.2	4602.4	4645.1
35°	5554.4	5492.0	5452.6	5554.4	5872.8	6023.8	5666.0	5327.9	5216.3	5209.7	5318.0
37.5°	6240.5	6204.4	6122.3	6227.4	6513.0	6581.9	6188.0	5905.6	5826.9	5869.5	5977.9
40°	6785.4	6719.8	6611.4	6709.9	7084.2	7153.1	6667.2	6388.2	6358.7	6453.9	6601.6
42.5°	7215.5	7123.5	6979.1	7002.1	7304.1	7353.3	6923.3	6713.2	6732.9	6851.1	7018.5
45°	7409.1	7336.9	7208.9	7199.0	7389.4	7392.7	7054.6	6946.3	6998.8	7090.7	7222.0
47.5°	7491.2	7458.4	7386.2	7369.8	7478.1	7451.8	7241.7	7195.8	7245.0	7271.3	7346.8
50°	7694.7	7694.7	7704.6	7717.7	7829.3	7803.1	7655.3	7602.8	7540.5	7448.5	7471.5
52.5°	8265.9	8288.9	8384.1	8489.2	8692.7	8778.0	8538.4	8233.1	7934.4	7734.1	7734.1
55°	9296.7	9319.7	9431.3	9608.6	9982.8	10186.3	9628.3	8955.3	8545.0	8272.5	8308.6
57.5°	9864.6	9890.9	10120.7	10600.0	11325.5	11670.1	10471.9	9474.0	8899.5	8587.6	8613.9
58°	9828.5	9844.9	10104.3	10665.6	11473.2	11844.1	10531.0	9457.6	8853.5	8535.1	8568.0
60°	8732.1	8709.1	9122.7	9923.7	11062.8	11574.9	9943.4	8633.6	7931.1	7606.1	7622.5
62.5°	5708.7	5721.8	6079.6	6916.7	7803.1	8285.6	6946.3	5971.3	5406.7	5209.7	5160.5
65°	2383.3	2340.6	2560.5	3026.7	3558.5	3827.7	3289.3	2783.8	2435.8	2304.5	2340.6
67.5°	613.9	597.5	610.6	764.9	935.6	1106.3	929.0	709.1	617.2	623.7	623.7
70°	348.0	328.3	265.9	246.2	239.6	239.6	239.6	239.6	275.8	325.0	334.8
72.5°	262.6	246.2	193.7	167.4	147.7	137.9	144.4	167.4	200.2	242.9	249.5
75°	131.3	131.3	118.2	111.6	98.5	91.9	95.2	105.0	121.5	137.9	134.6
77.5°	26.3	29.5	32.8	39.4	32.8	32.8	32.8	39.4	39.4	42.7	39.4
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	0.0	3.3	3.3	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)