

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: P642743

Luminaire Tested: GWS-SA6D-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 22388.2 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

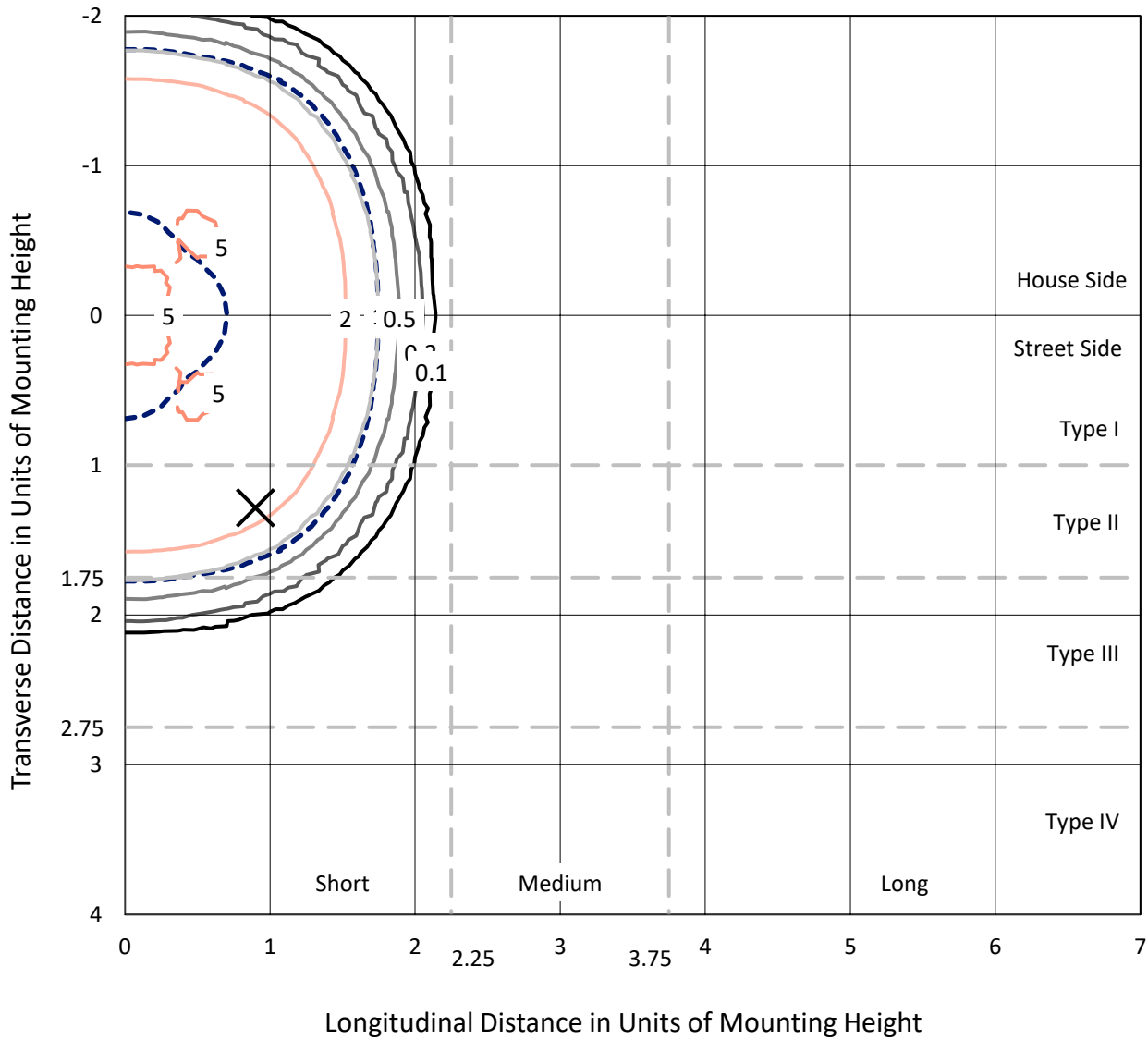
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

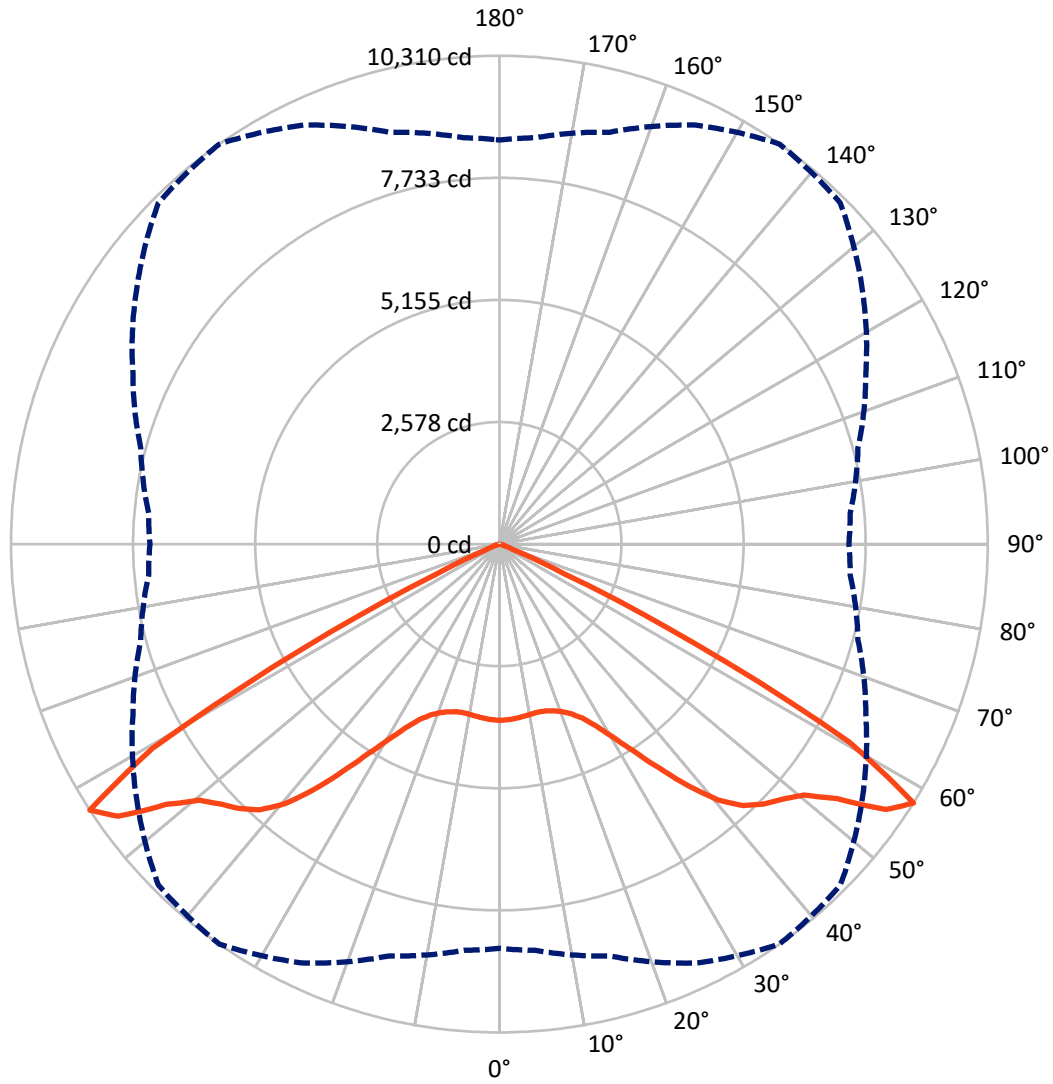
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11194.1	0.0	11194.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11194.1	0.0	11194.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22388.2	0.0	22388.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	1.6
10°-20°	1031.6	4.6
20°-30°	1864.7	8.3
30°-40°	3478.7	15.5
40°-50°	5835.5	26.1
50°-60°	7706.4	34.4
60°-70°	2046.6	9.1
70°-80°	72.7	0.3
80°-90°	1.3	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°	22388.2	100.0
0°-180°	22388.2	100.0

Coefficient of Utilization



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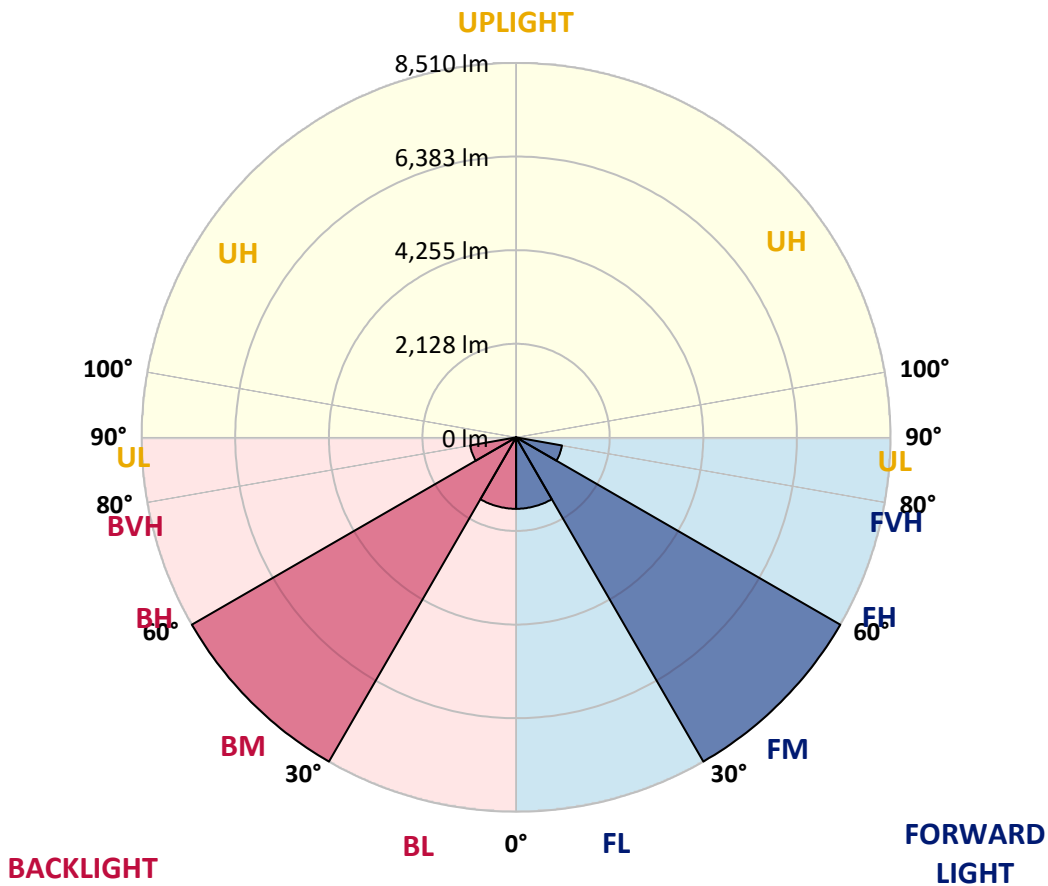
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1623.5	7.3			
FM (30°-60°)	8510.3	38.0			
FH (60°-80°)	1059.7	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1623.5	7.3	B3/2500		
BM (30°-60°)	8510.3	38.0	B5		
BH (60°-80°)	1059.7	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3722.2	3722.2	3722.2	3722.2	3722.2	3722.2	3722.2	3722.2	3722.2	3722.2	3722.2
2.5°	3696.0	3693.3	3703.9	3711.7	3711.7	3730.1	3724.9	3719.6	3714.4	3706.5	3724.9
5°	3690.7	3688.1	3696.0	3701.2	3696.0	3711.7	3701.2	3690.7	3685.5	3675.0	3696.0
7.5°	3667.1	3669.7	3675.0	3680.2	3672.3	3685.5	3672.3	3656.6	3643.4	3632.9	3651.3
10°	3630.3	3632.9	3638.2	3648.7	3651.3	3669.7	3651.3	3622.4	3604.0	3588.3	3606.7
12.5°	3611.9	3614.5	3622.4	3635.6	3638.2	3661.8	3638.2	3596.2	3569.9	3551.5	3569.9
15°	3617.2	3622.4	3632.9	3648.7	3653.9	3677.6	3646.1	3590.9	3554.1	3530.5	3546.2
17.5°	3635.6	3640.8	3656.6	3682.8	3701.2	3724.9	3685.5	3614.5	3564.6	3530.5	3546.2
20°	3659.2	3667.1	3693.3	3735.4	3774.8	3816.8	3766.9	3669.7	3604.0	3562.0	3575.1
22.5°	3724.9	3732.7	3769.5	3824.7	3890.4	3942.9	3882.5	3759.0	3669.7	3614.5	3627.7
25°	3858.8	3866.7	3914.0	3984.9	4069.0	4137.3	4061.1	3906.1	3790.5	3727.5	3732.7
27.5°	4069.0	4076.9	4132.0	4231.8	4344.8	4442.0	4331.7	4150.4	4019.1	3945.5	3945.5
30°	4334.3	4344.8	4418.4	4552.3	4728.3	4857.0	4707.3	4486.7	4318.5	4218.7	4221.3
32.5°	4675.8	4665.3	4770.4	4954.2	5203.8	5374.5	5153.9	4885.9	4678.4	4539.2	4552.3
35°	5114.5	5111.8	5230.0	5479.6	5805.3	6010.2	5747.5	5400.8	5151.2	5009.4	5012.0
37.5°	5679.2	5676.6	5813.2	6083.8	6475.2	6645.9	6351.7	5999.7	5731.8	5595.2	5610.9
40°	6341.2	6325.4	6446.3	6706.3	7097.7	7208.1	6887.6	6603.9	6346.5	6259.8	6301.8
42.5°	6971.6	6937.5	7008.4	7244.8	7546.9	7562.7	7321.0	7126.6	6950.6	6882.3	6908.6
45°	7478.6	7452.4	7518.0	7654.6	7828.0	7749.2	7633.6	7573.2	7431.3	7357.8	7381.4
47.5°	7856.9	7856.9	7935.7	8019.8	8046.0	7901.6	7919.9	7919.9	7778.1	7662.5	7633.6
50°	8182.6	8206.3	8324.5	8411.2	8324.5	8140.6	8245.7	8224.7	7935.7	7704.5	7644.1
52.5°	8702.7	8726.4	8907.6	9025.8	8928.6	8747.4	8760.5	8497.8	8072.3	7799.1	7704.5
55°	9254.4	9312.2	9574.9	9890.1	9892.7	9706.2	9359.4	8894.5	8377.0	8080.2	7983.0
57.5°	8532.0	8610.8	9002.2	9761.4	10310.4	10181.7	9354.2	8537.2	7838.5	7434.0	7378.8
60°	5871.0	6007.6	6399.0	7436.6	8495.2	8545.1	7567.9	6651.2	5850.0	5350.9	5361.4
62.5°	2479.7	2619.0	2839.6	3693.3	4665.3	4725.7	4252.9	3596.2	2942.1	2582.2	2637.4
65°	583.2	622.6	688.2	1021.8	1481.5	1549.8	1429.0	1113.8	822.2	696.1	709.2
67.5°	254.8	260.1	246.9	262.7	325.7	333.6	323.1	283.7	267.9	273.2	273.2
70°	178.6	181.3	170.7	162.9	155.0	144.5	149.7	165.5	178.6	189.1	186.5
72.5°	110.3	113.0	115.6	115.6	107.7	97.2	102.4	113.0	115.6	118.2	115.6
75°	55.2	57.8	63.0	65.7	63.0	60.4	60.4	63.0	63.0	60.4	60.4
77.5°	10.5	13.1	18.4	21.0	21.0	21.0	21.0	21.0	23.6	21.0	21.0
80°	2.6	2.6	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3
82.5°	2.6	2.6	2.6	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
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)