

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: P641809

Luminaire Tested: GWS-SA6B-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18703.3 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

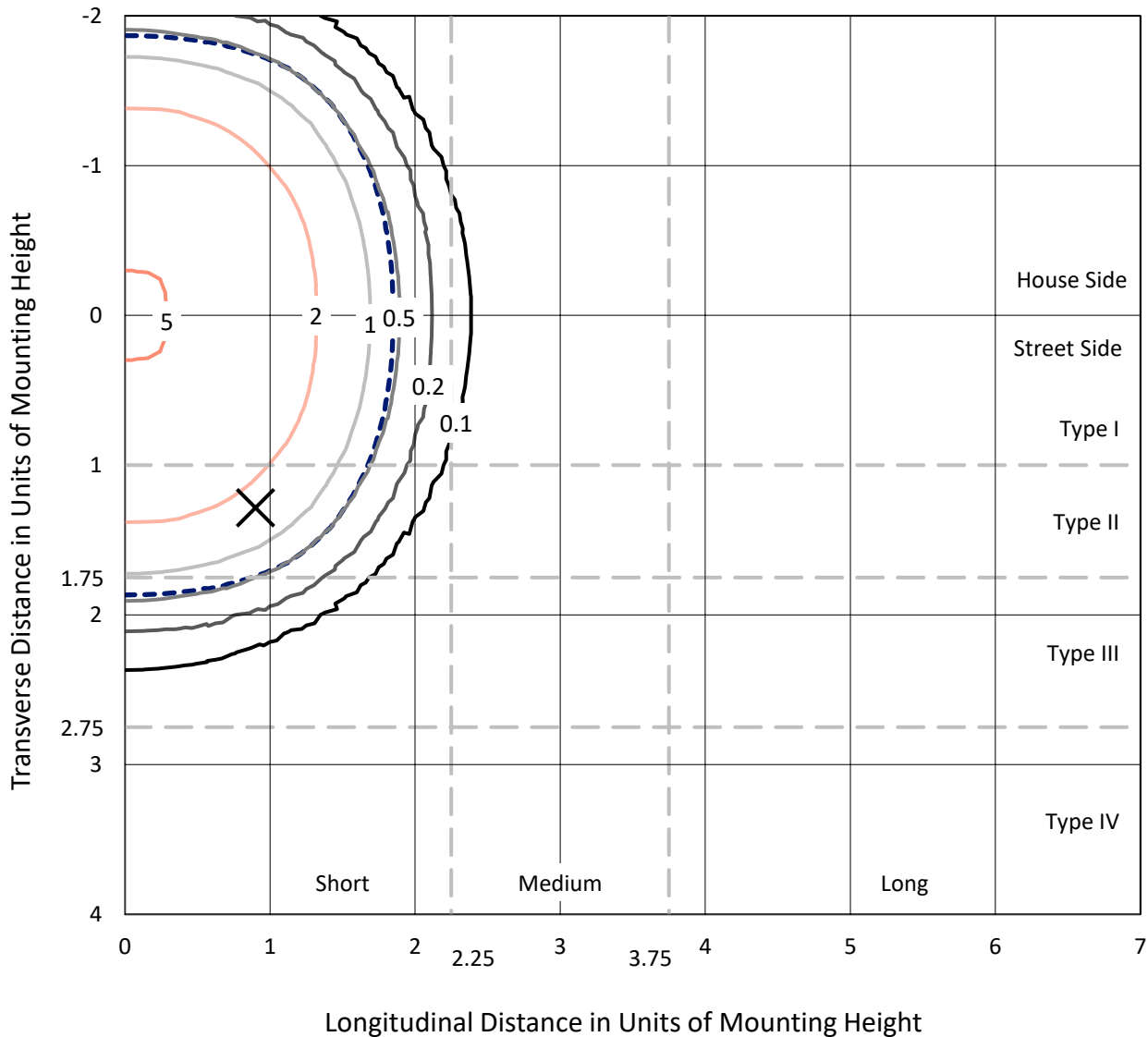
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

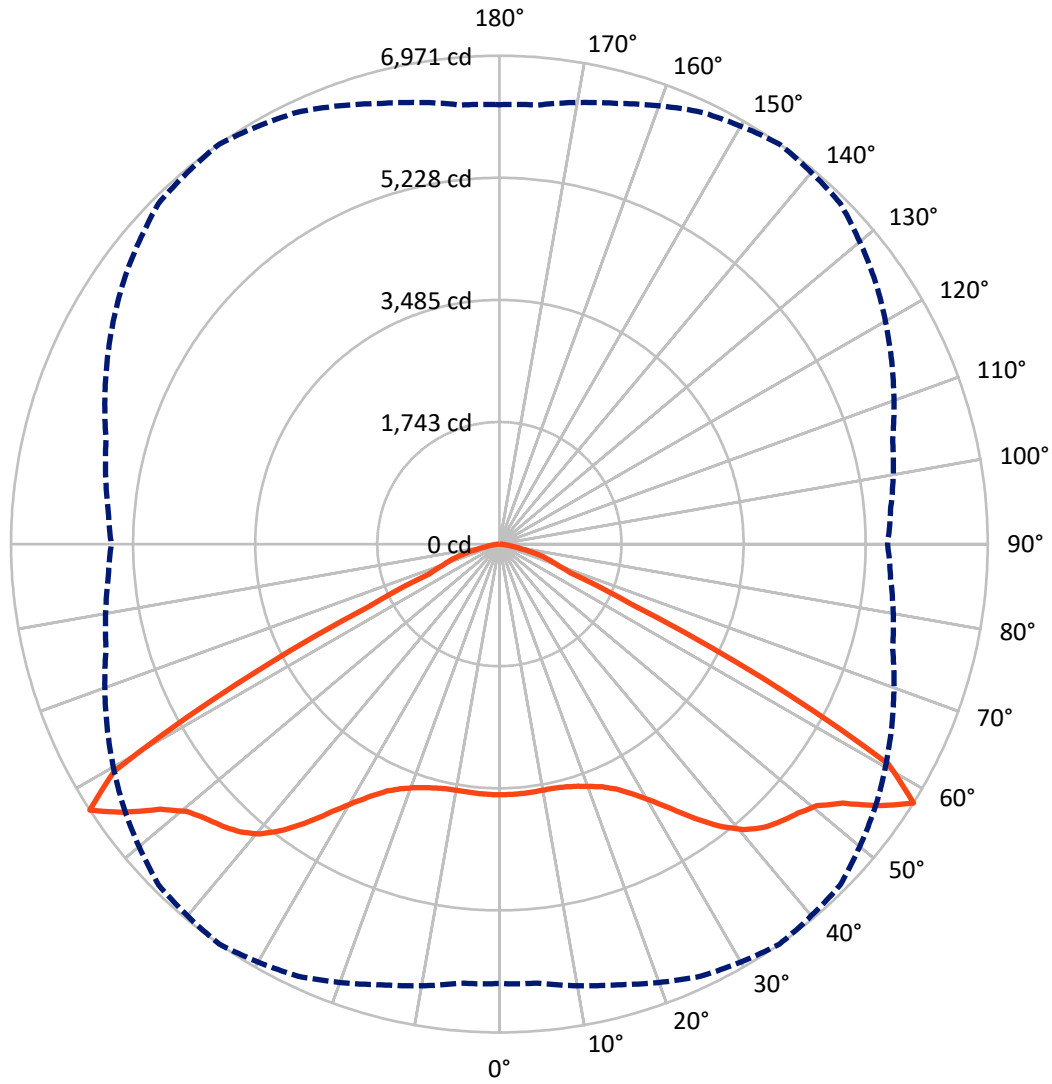
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	9351.7	0.0	9351.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9351.7	0.0	9351.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18703.3	0.0	18703.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.4	1.8
10°-20°	1015.7	5.4
20°-30°	1772.3	9.5
30°-40°	2906.1	15.5
40°-50°	4280.0	22.9
50°-60°	5462.1	29.2
60°-70°	2301.9	12.3
70°-80°	549.9	2.9
80°-90°	74.8	0.4
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°	18703.3	100.0
0°-180°	18703.3	100.0

Coefficient of Utilization



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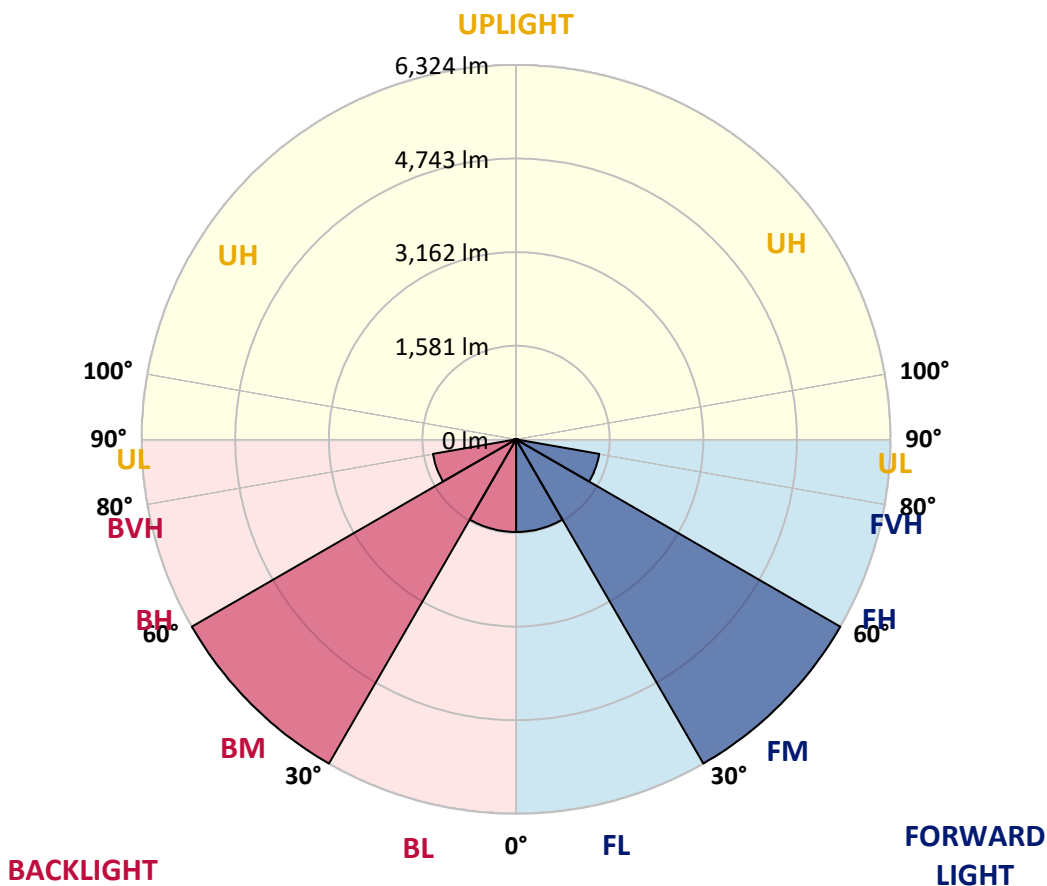
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1564.2	8.4			
FM (30°-60°)	6324.1	33.8			
FH (60°-80°)	1425.9	7.6			G1/1800
FVH (80°-90°)	37.4	0.2			G1/100
BL (0°-30°)	1564.2	8.4	B3/2500		
BM (30°-60°)	6324.1	33.8	B4/8500		
BH (60°-80°)	1425.9	7.6	B3/2500		G1/1800
BVH (80°-90°)	37.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7
2.5°	3557.2	3557.2	3564.9	3572.5	3575.6	3589.4	3587.9	3583.3	3580.2	3571.0	3583.3
5°	3564.9	3564.9	3571.0	3575.6	3574.1	3584.8	3580.2	3572.5	3567.9	3558.8	3572.5
7.5°	3563.3	3563.3	3567.9	3572.5	3569.5	3578.7	3571.0	3560.3	3552.6	3543.4	3555.7
10°	3543.4	3546.5	3551.1	3561.8	3566.4	3580.2	3569.5	3552.6	3540.4	3529.7	3541.9
12.5°	3540.4	3543.4	3549.6	3563.3	3571.0	3590.9	3577.1	3549.6	3531.2	3517.4	3529.7
15°	3554.2	3557.2	3566.4	3583.3	3595.5	3616.9	3597.0	3558.8	3532.7	3514.3	3525.1
17.5°	3571.0	3575.6	3589.4	3613.9	3633.8	3656.8	3632.3	3586.3	3549.6	3525.1	3534.3
20°	3589.4	3595.5	3616.9	3653.7	3690.4	3719.5	3688.9	3627.7	3583.3	3551.1	3560.3
22.5°	3621.5	3629.2	3656.8	3708.8	3764.0	3806.8	3768.5	3685.9	3627.7	3586.3	3594.0
25°	3687.4	3696.6	3731.8	3794.6	3872.7	3924.7	3871.1	3777.7	3696.6	3646.0	3653.7
27.5°	3803.8	3808.4	3854.3	3937.0	4033.5	4093.2	4028.9	3918.6	3828.3	3770.1	3776.2
30°	3956.9	3970.7	4016.6	4125.3	4240.2	4319.8	4235.6	4105.4	4001.3	3930.9	3937.0
32.5°	4143.7	4152.9	4221.8	4335.1	4500.5	4592.4	4477.5	4322.9	4197.3	4111.6	4117.7
35°	4388.7	4396.4	4462.2	4606.2	4806.8	4892.5	4760.8	4583.2	4437.7	4356.6	4379.5
37.5°	4681.2	4695.0	4742.5	4884.9	5108.4	5192.7	5041.1	4875.7	4724.1	4649.0	4665.9
40°	4995.1	4993.6	5031.9	5157.4	5361.1	5413.2	5276.9	5145.2	5015.0	4966.0	4993.6
42.5°	5264.6	5257.0	5284.5	5388.7	5529.5	5534.1	5443.8	5370.3	5278.4	5244.7	5270.8
45°	5453.0	5456.0	5497.4	5569.4	5641.3	5603.0	5575.5	5563.2	5491.3	5445.3	5449.9
47.5°	5601.5	5613.8	5679.6	5728.6	5737.8	5673.5	5711.8	5730.1	5670.4	5600.0	5580.1
50°	5733.2	5753.1	5838.9	5890.9	5871.0	5789.9	5864.9	5892.5	5760.8	5626.0	5586.2
52.5°	5972.1	5995.1	6099.2	6166.6	6143.6	6062.4	6132.9	6034.9	5812.8	5647.5	5596.9
55°	6353.4	6364.1	6491.2	6601.5	6590.7	6491.2	6434.5	6217.1	5947.6	5776.1	5728.6
57.5°	6272.2	6290.6	6511.1	6805.1	6970.5	6880.2	6547.9	6177.3	5811.3	5604.6	5540.3
60°	4935.4	4979.8	5253.9	5771.5	6377.9	6376.4	5759.2	5183.5	4742.5	4468.4	4440.8
62.5°	2881.9	2912.5	3162.1	3685.9	4229.5	4263.2	3829.8	3434.7	3048.8	2863.5	2774.7
65°	1364.4	1362.9	1462.4	1698.2	2065.7	2094.8	1964.7	1748.8	1520.6	1457.8	1441.0
67.5°	1007.6	1007.6	999.9	1016.8	1087.2	1102.5	1087.2	1052.0	1030.6	1044.4	1035.2
70°	874.4	875.9	866.7	862.1	862.1	857.5	863.7	877.4	886.6	905.0	895.8
72.5°	709.0	710.5	710.5	712.1	713.6	707.5	716.7	724.3	725.8	732.0	725.8
75°	503.8	506.9	516.1	523.7	529.8	529.8	532.9	534.4	528.3	536.0	523.7
77.5°	277.2	280.2	297.1	310.9	324.6	326.2	330.8	333.8	330.8	336.9	327.7
80°	153.1	156.2	163.8	170.0	180.7	189.9	196.0	199.1	199.1	203.7	199.1
82.5°	87.3	90.3	94.9	98.0	107.2	114.8	121.0	125.6	125.6	127.1	124.0
85°	41.3	41.3	44.4	47.5	52.1	55.1	62.8	67.4	67.4	70.4	67.4
87.5°	6.1	7.7	9.2	9.2	12.3	15.3	18.4	19.9	23.0	24.5	24.5
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)