

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: P641754

Luminaire Tested: GWS-SA6B-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641754
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18963.2 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

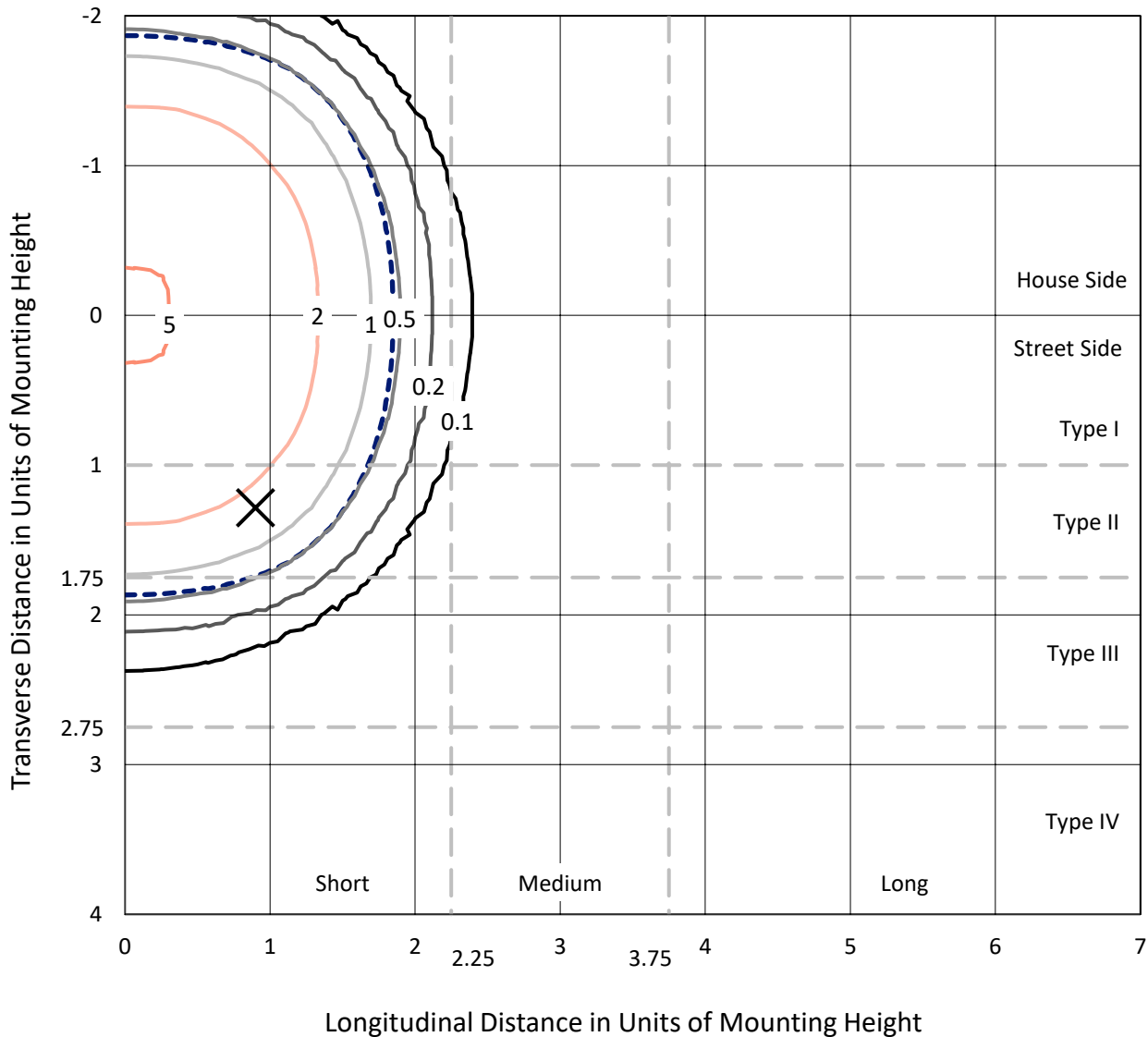
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

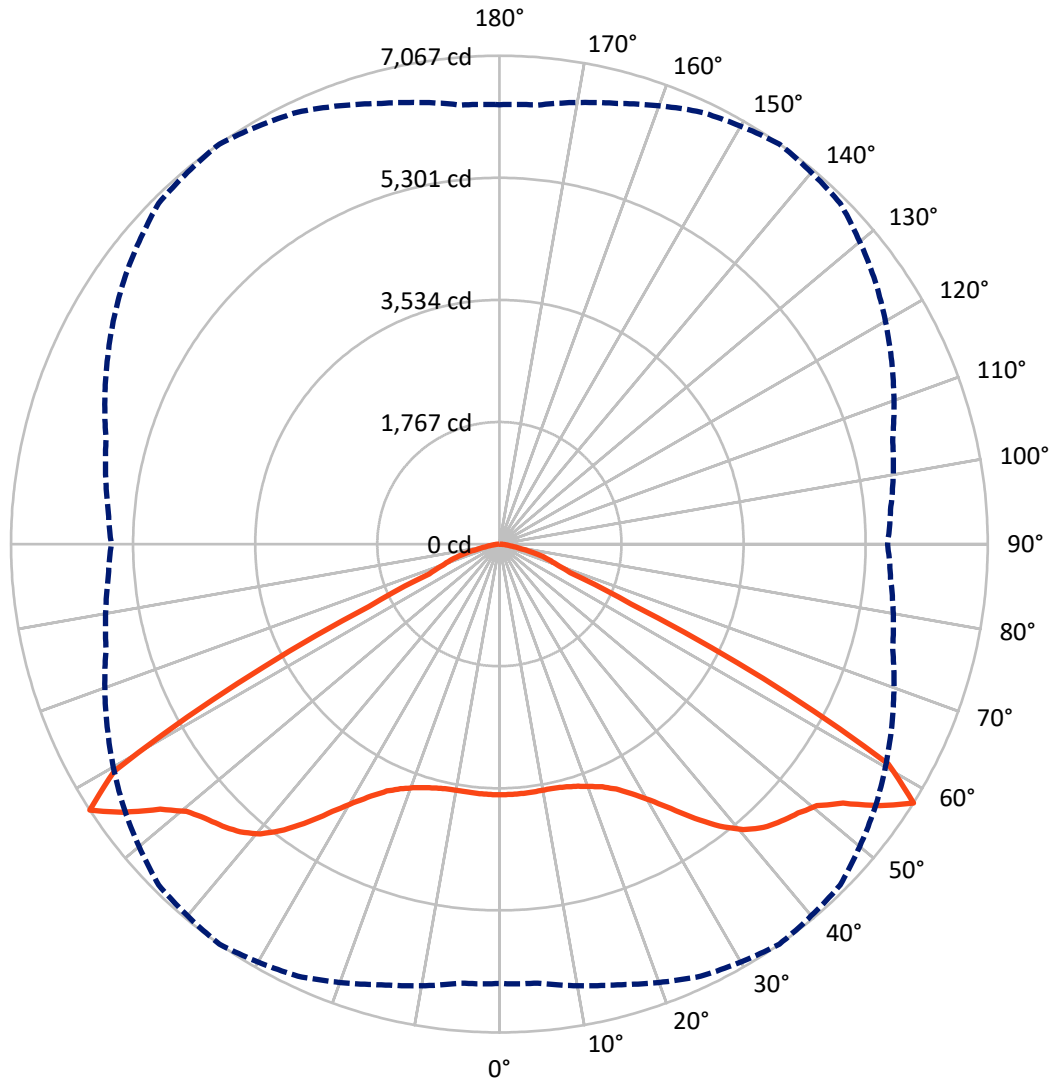
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	9481.6	0.0	9481.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9481.6	0.0	9481.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	18963.2	0.0	18963.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.2	1.8
10°-20°	1029.8	5.4
20°-30°	1796.9	9.5
30°-40°	2946.5	15.5
40°-50°	4339.5	22.9
50°-60°	5538.0	29.2
60°-70°	2333.9	12.3
70°-80°	557.5	2.9
80°-90°	75.9	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°	18963.2	100.0
0°-180°	18963.2	100.0

Coefficient of Utilization



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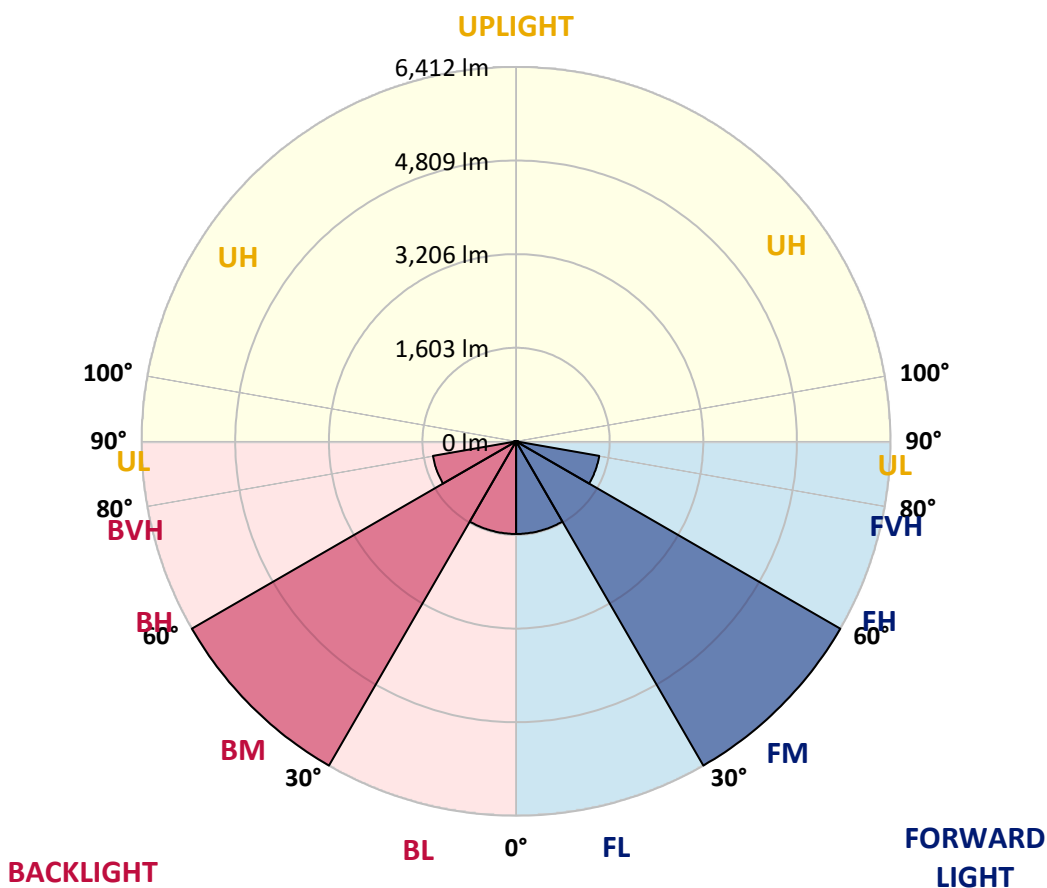
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1586.0	8.4			
FM (30°-60°)	6412.0	33.8			
FH (60°-80°)	1445.7	7.6			G1/1800
FVH (80°-90°)	37.9	0.2			G1/100
BL (0°-30°)	1586.0	8.4	B3/2500		
BM (30°-60°)	6412.0	33.8	B4/8500		
BH (60°-80°)	1445.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	37.9	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°	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4	3628.4
2.5°	3606.7	3606.7	3614.4	3622.2	3625.3	3639.3	3637.7	3633.0	3629.9	3620.6	3633.0
5°	3614.4	3614.4	3620.6	3625.3	3623.7	3634.6	3629.9	3622.2	3617.5	3608.2	3622.2
7.5°	3612.9	3612.9	3617.5	3622.2	3619.1	3628.4	3620.6	3609.8	3602.0	3592.7	3605.1
10°	3592.7	3595.8	3600.4	3611.3	3616.0	3629.9	3619.1	3602.0	3589.6	3578.7	3591.1
12.5°	3589.6	3592.7	3598.9	3612.9	3620.6	3640.8	3626.8	3598.9	3580.3	3566.3	3578.7
15°	3603.5	3606.7	3616.0	3633.0	3645.5	3667.2	3647.0	3608.2	3581.8	3563.2	3574.1
17.5°	3620.6	3625.3	3639.3	3664.1	3684.3	3707.6	3682.7	3636.2	3598.9	3574.1	3583.4
20°	3639.3	3645.5	3667.2	3704.5	3741.7	3771.2	3740.2	3678.1	3633.0	3600.4	3609.8
22.5°	3671.9	3679.6	3707.6	3760.4	3816.3	3859.7	3820.9	3737.1	3678.1	3636.2	3643.9
25°	3738.6	3747.9	3783.6	3847.3	3926.5	3979.3	3924.9	3830.2	3747.9	3696.7	3704.5
27.5°	3856.6	3861.3	3907.9	3991.7	4089.5	4150.1	4084.9	3973.1	3881.5	3822.5	3828.7
30°	4011.9	4025.9	4072.4	4182.7	4299.1	4379.8	4294.5	4162.5	4056.9	3985.5	3991.7
32.5°	4201.3	4210.6	4280.5	4395.4	4563.0	4656.2	4539.8	4382.9	4255.6	4168.7	4174.9
35°	4449.7	4457.5	4524.2	4670.2	4873.6	4960.5	4827.0	4646.9	4499.4	4417.1	4440.4
37.5°	4746.3	4760.2	4808.4	4952.7	5179.4	5264.8	5111.1	4943.4	4789.7	4713.6	4730.7
40°	5064.5	5063.0	5101.8	5229.1	5435.6	5488.4	5350.2	5216.7	5084.7	5035.0	5063.0
42.5°	5337.8	5330.0	5358.0	5463.5	5606.4	5611.0	5519.4	5444.9	5351.8	5317.6	5344.0
45°	5528.8	5531.9	5573.8	5646.8	5719.7	5680.9	5653.0	5640.5	5567.6	5521.0	5525.7
47.5°	5679.4	5691.8	5758.5	5808.2	5817.5	5752.3	5791.1	5809.8	5749.2	5677.8	5657.6
50°	5812.9	5833.1	5920.0	5972.8	5952.6	5870.3	5946.4	5974.3	5840.8	5704.2	5663.8
52.5°	6055.1	6078.4	6183.9	6252.3	6229.0	6146.7	6218.1	6118.7	5893.6	5725.9	5674.7
55°	6441.7	6452.5	6581.4	6693.2	6682.3	6581.4	6524.0	6303.5	6030.2	5856.4	5808.2
57.5°	6359.4	6378.0	6601.6	6899.7	7067.4	6975.8	6638.9	6263.1	5892.1	5682.5	5617.3
60°	5004.0	5049.0	5326.9	5851.7	6466.5	6465.0	5839.3	5255.5	4808.4	4530.4	4502.5
62.5°	2922.0	2953.0	3206.1	3737.1	4288.2	4322.4	3883.0	3482.4	3091.2	2903.3	2813.3
65°	1383.4	1381.8	1482.7	1721.8	2094.4	2123.9	1992.0	1773.1	1541.7	1478.1	1461.0
67.5°	1021.6	1021.6	1013.8	1030.9	1102.3	1117.9	1102.3	1066.6	1044.9	1058.9	1049.5
70°	886.5	888.1	878.8	874.1	874.1	869.4	875.7	889.6	898.9	917.6	908.3
72.5°	718.8	720.4	720.4	722.0	723.5	717.3	726.6	734.4	735.9	742.1	735.9
75°	510.8	513.9	523.2	531.0	537.2	537.2	540.3	541.9	535.6	543.4	531.0
77.5°	281.0	284.1	301.2	315.2	329.1	330.7	335.4	338.5	335.4	341.6	332.3
80°	155.3	158.4	166.1	172.3	183.2	192.5	198.7	201.8	201.8	206.5	201.8
82.5°	88.5	91.6	96.3	99.4	108.7	116.4	122.7	127.3	127.3	128.9	125.8
85°	41.9	41.9	45.0	48.1	52.8	55.9	63.7	68.3	68.3	71.4	68.3
87.5°	6.2	7.8	9.3	9.3	12.4	15.5	18.6	20.2	23.3	24.8	24.8
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)