

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: P643136

Luminaire Tested: GWS-SA6E-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643136
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-SAGE-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44760.3 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

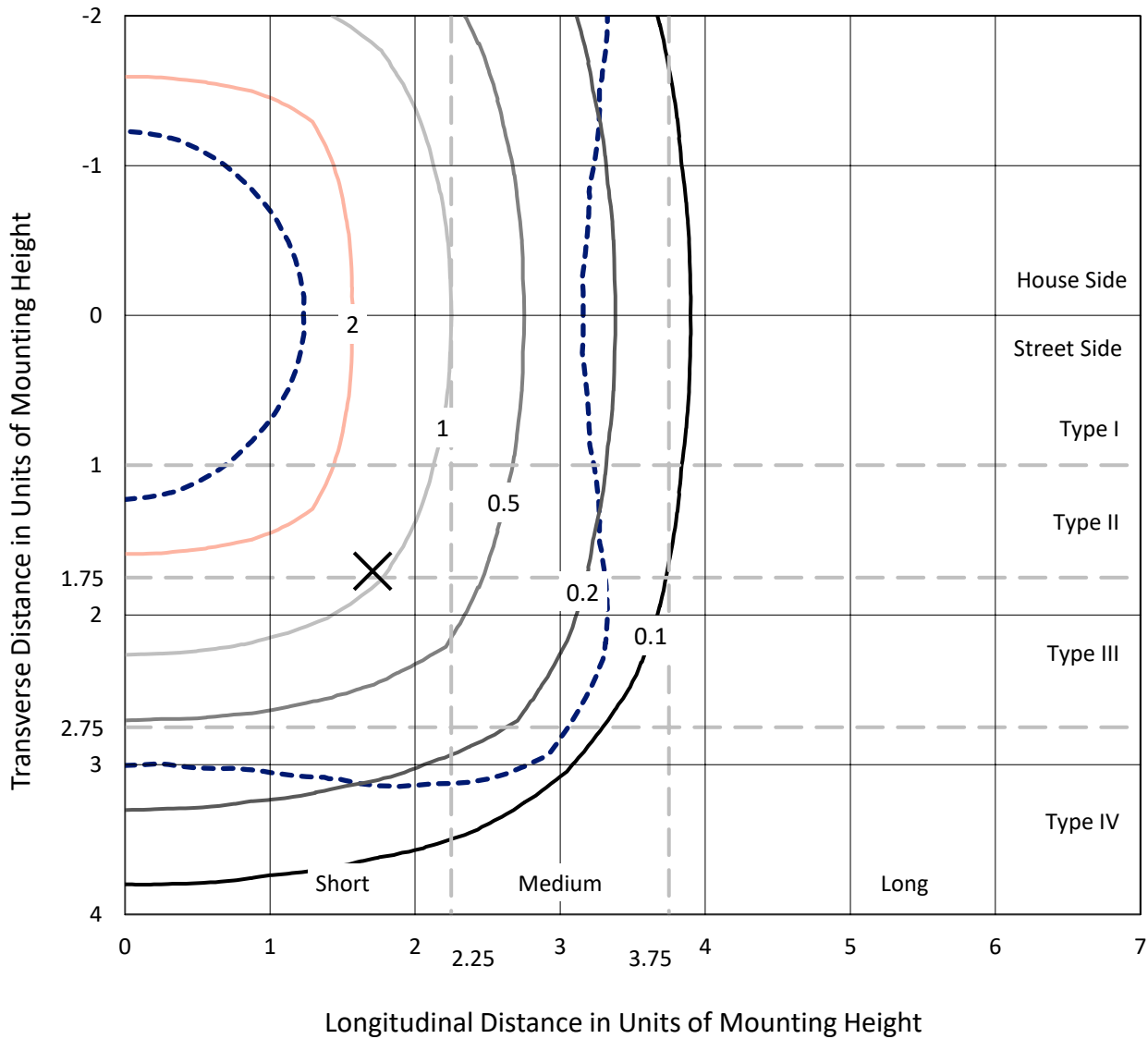
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

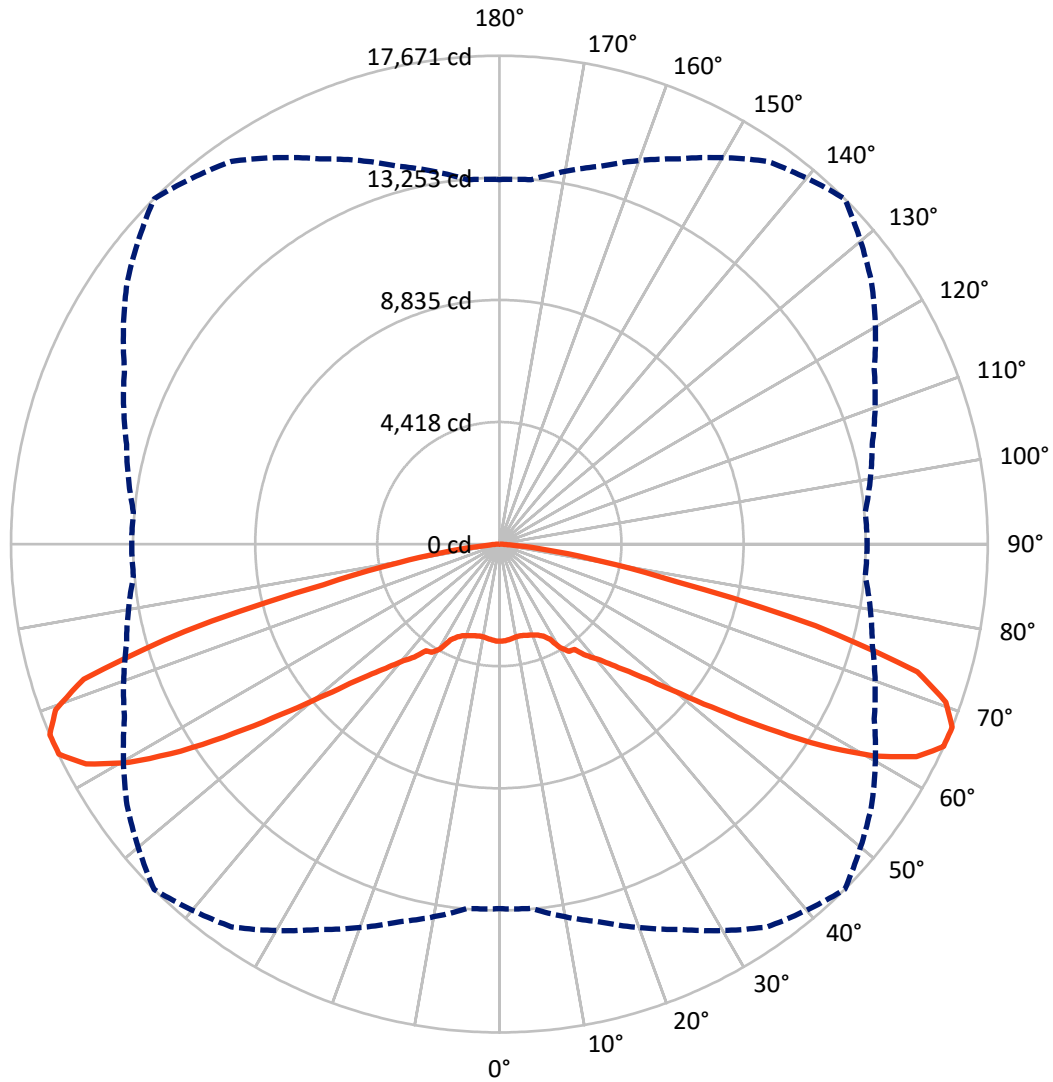
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.9 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	22380.1	0.0	22380.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22380.1	0.0	22380.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	44760.3	0.0	44760.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.6	0.7
10°-20°	978.0	2.2
20°-30°	1754.5	3.9
30°-40°	2963.8	6.6
40°-50°	5207.3	11.6
50°-60°	10045.2	22.4
60°-70°	14574.2	32.6
70°-80°	8338.7	18.6
80°-90°	569.1	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°	44760.3	100.0
0°-180°	44760.3	100.0

Coefficient of Utilization



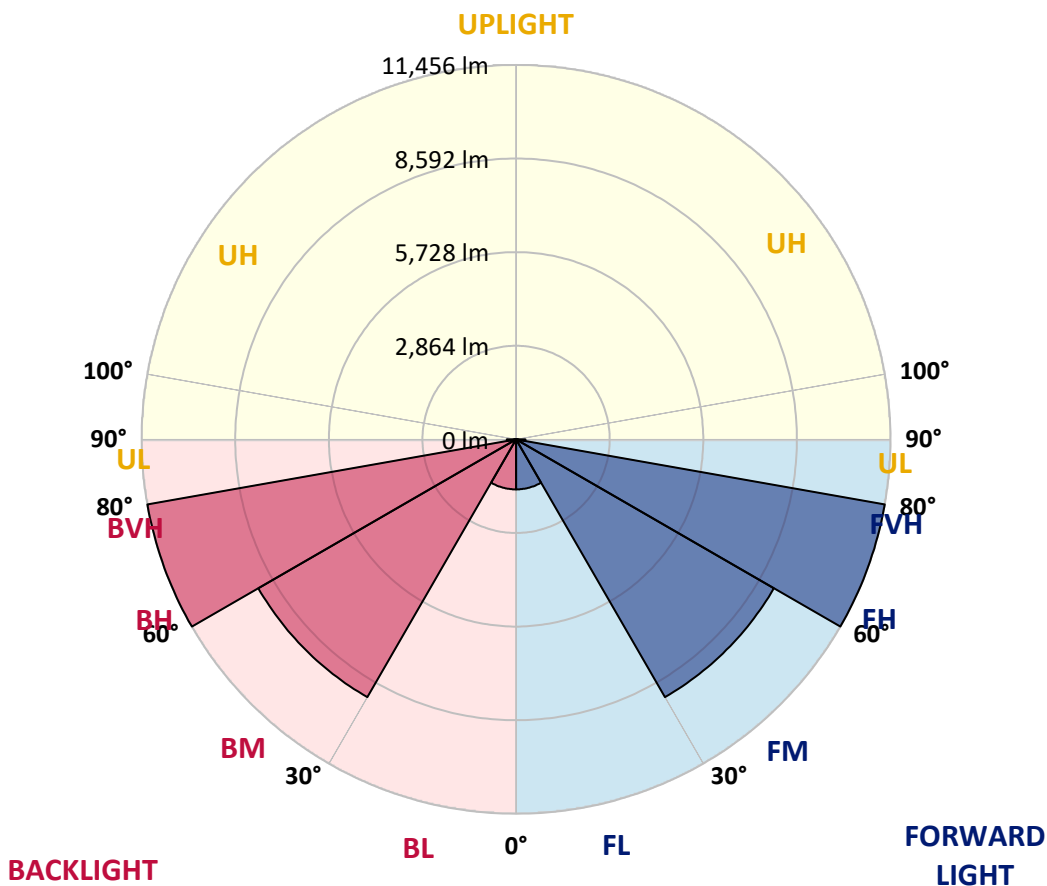
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1531.0	3.4			
FM (30°-60°)	9108.1	20.3			
FH (60°-80°)	11456.4	25.6			G4/12000
FVH (80°-90°)	284.6	0.6			G3/500
BL (0°-30°)	1531.0	3.4	B3/2500		
BM (30°-60°)	9108.1	20.3	B5		
BH (60°-80°)	11456.4	25.6	B5		G4/12000
BVH (80°-90°)	284.6	0.6			G3/500
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°	3510.1	3510.1	3510.1	3510.1	3510.1	3510.1	3510.1	3510.1	3510.1	3510.1	3510.1
2.5°	3481.6	3484.8	3491.1	3491.1	3497.5	3507.0	3510.1	3503.8	3507.0	3491.1	3507.0
5°	3472.1	3475.3	3478.5	3472.1	3472.1	3475.3	3475.3	3469.0	3472.1	3456.3	3472.1
7.5°	3450.0	3453.1	3453.1	3443.7	3434.2	3440.5	3440.5	3434.2	3437.3	3421.5	3440.5
10°	3431.0	3431.0	3427.8	3408.8	3399.3	3408.8	3412.0	3415.2	3427.8	3415.2	3437.3
12.5°	3443.7	3443.7	3434.2	3408.8	3393.0	3399.3	3405.7	3412.0	3434.2	3431.0	3456.3
15°	3478.5	3481.6	3456.3	3427.8	3418.3	3427.8	3421.5	3418.3	3446.8	3456.3	3484.8
17.5°	3507.0	3507.0	3475.3	3446.8	3450.0	3465.8	3453.1	3437.3	3465.8	3484.8	3516.5
20°	3532.3	3529.1	3494.3	3475.3	3488.0	3510.1	3500.6	3478.5	3497.5	3519.6	3548.1
22.5°	3595.6	3592.4	3554.4	3544.9	3557.6	3579.8	3570.3	3551.3	3573.4	3605.1	3639.9
25°	3776.0	3769.7	3712.7	3681.0	3674.7	3690.5	3687.4	3681.0	3715.9	3753.8	3795.0
27.5°	4016.5	4013.4	3972.2	3940.6	3899.4	3886.8	3896.3	3924.8	3975.4	4003.9	4038.7
30°	4136.8	4136.8	4130.5	4181.1	4269.8	4355.2	4288.7	4181.1	4136.8	4124.2	4159.0
32.5°	4295.1	4310.9	4288.7	4345.7	4494.5	4621.1	4494.5	4320.4	4288.7	4288.7	4326.7
35°	4659.1	4665.4	4630.6	4621.1	4668.6	4684.4	4624.2	4560.9	4595.8	4602.1	4649.6
37.5°	4950.3	4950.3	4934.4	4959.7	5057.9	5118.0	5019.9	4905.9	4915.4	4921.8	4981.9
40°	5399.7	5412.4	5374.4	5371.2	5409.2	5463.0	5358.6	5285.8	5336.4	5352.2	5444.0
42.5°	5959.9	5959.9	5903.0	5887.1	5912.4	5969.4	5871.3	5823.8	5890.3	5903.0	5956.8
45°	6627.8	6643.6	6567.6	6539.1	6551.8	6570.8	6501.2	6479.0	6542.3	6570.8	6665.7
47.5°	7441.2	7457.0	7390.6	7387.4	7374.7	7387.4	7320.9	7308.3	7358.9	7336.8	7438.0
50°	8444.5	8473.0	8416.1	8495.2	8485.7	8523.7	8431.9	8365.4	8365.4	8305.3	8362.3
52.5°	9568.2	9625.1	9653.6	9786.6	9887.8	9982.8	9830.9	9726.4	9574.5	9451.1	9606.1
55°	10793.1	10777.2	10957.7	11248.8	11546.4	11771.1	11473.6	11144.4	10897.5	10641.1	10701.3
57.5°	11866.0	11919.9	12157.2	12689.0	13277.7	13752.5	13217.6	12584.5	12024.3	11657.1	11707.8
60°	12758.6	12802.9	13119.4	13885.4	14914.1	15569.2	14721.0	13676.5	12863.1	12356.6	12410.4
62.5°	13581.5	13622.7	13942.4	14787.5	16085.2	16939.7	15844.6	14417.1	13511.9	13002.3	13034.0
65°	14056.3	14081.6	14518.4	15407.8	16775.2	17658.2	16423.8	14952.0	14062.6	13543.6	13562.6
67.5°	13192.2	13233.4	14154.4	15382.5	16908.1	17670.9	16449.1	14967.9	13967.7	13290.4	13306.2
70°	10406.9	10372.1	11470.4	13581.5	16145.3	17139.1	15718.0	13844.2	12299.7	11353.3	11337.5
72.5°	7935.0	7944.5	8555.3	10001.8	13163.7	15816.1	13869.6	11147.6	9482.7	8764.2	8735.7
75°	5754.2	5842.8	6339.7	7400.1	9207.3	11821.7	10441.7	8261.0	7146.8	6716.4	6653.1
77.5°	2592.2	2706.2	3399.3	4646.4	6156.2	6532.8	6558.1	5608.6	4231.8	3516.5	3405.7
80°	756.5	810.3	1041.3	1782.0	2867.6	3706.4	2943.6	2475.1	1541.4	1209.1	1152.1
82.5°	319.7	364.0	446.3	493.8	832.4	1718.7	1069.8	680.5	633.0	512.7	468.4
85°	136.1	145.6	186.7	199.4	269.0	367.2	338.7	307.0	294.4	227.9	208.9
87.5°	57.0	57.0	57.0	50.6	47.5	50.6	69.6	88.6	117.1	91.8	85.5
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)