

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: P643301

Luminaire Tested: GWS-SA6E-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643301
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45786 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

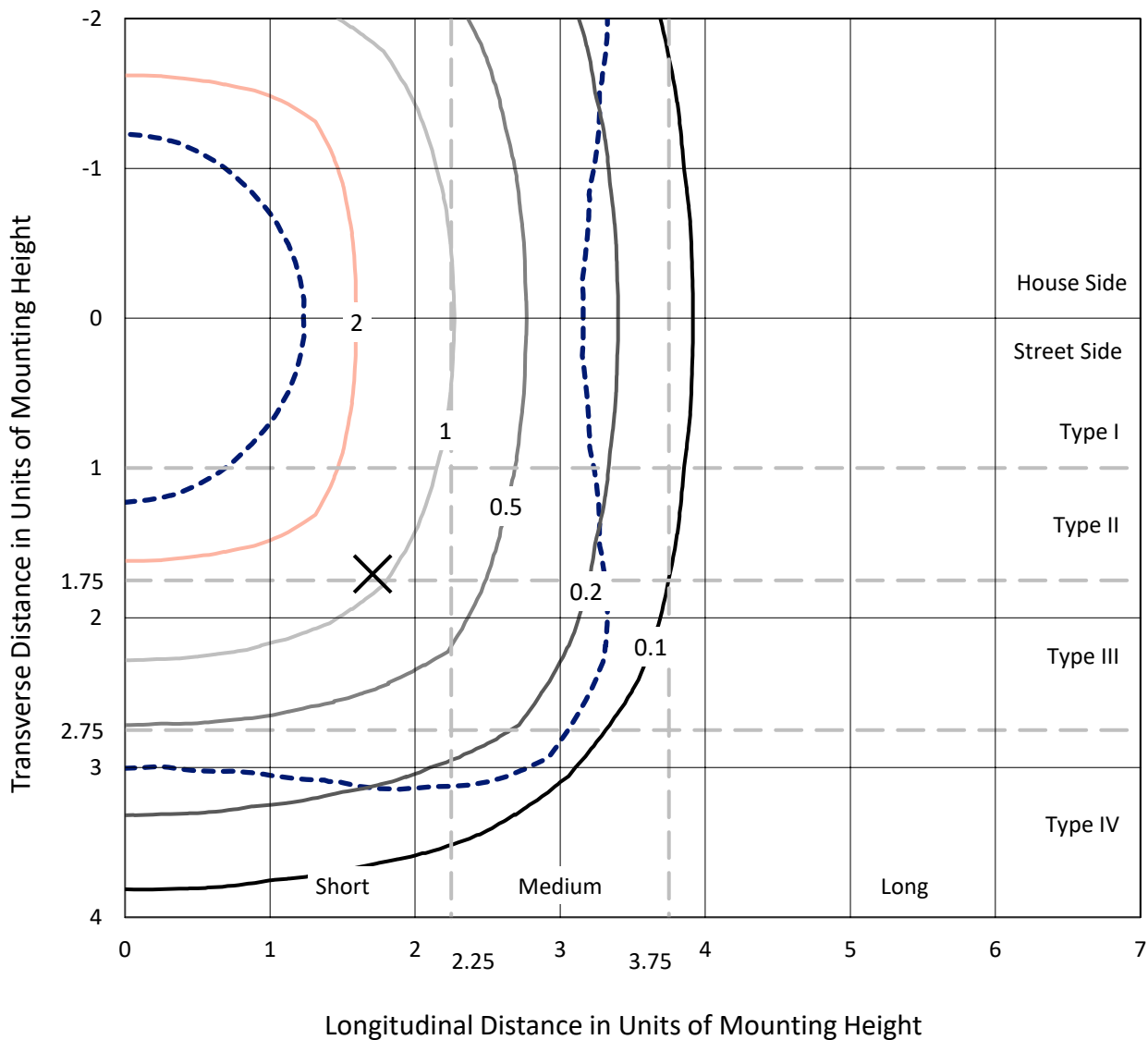
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

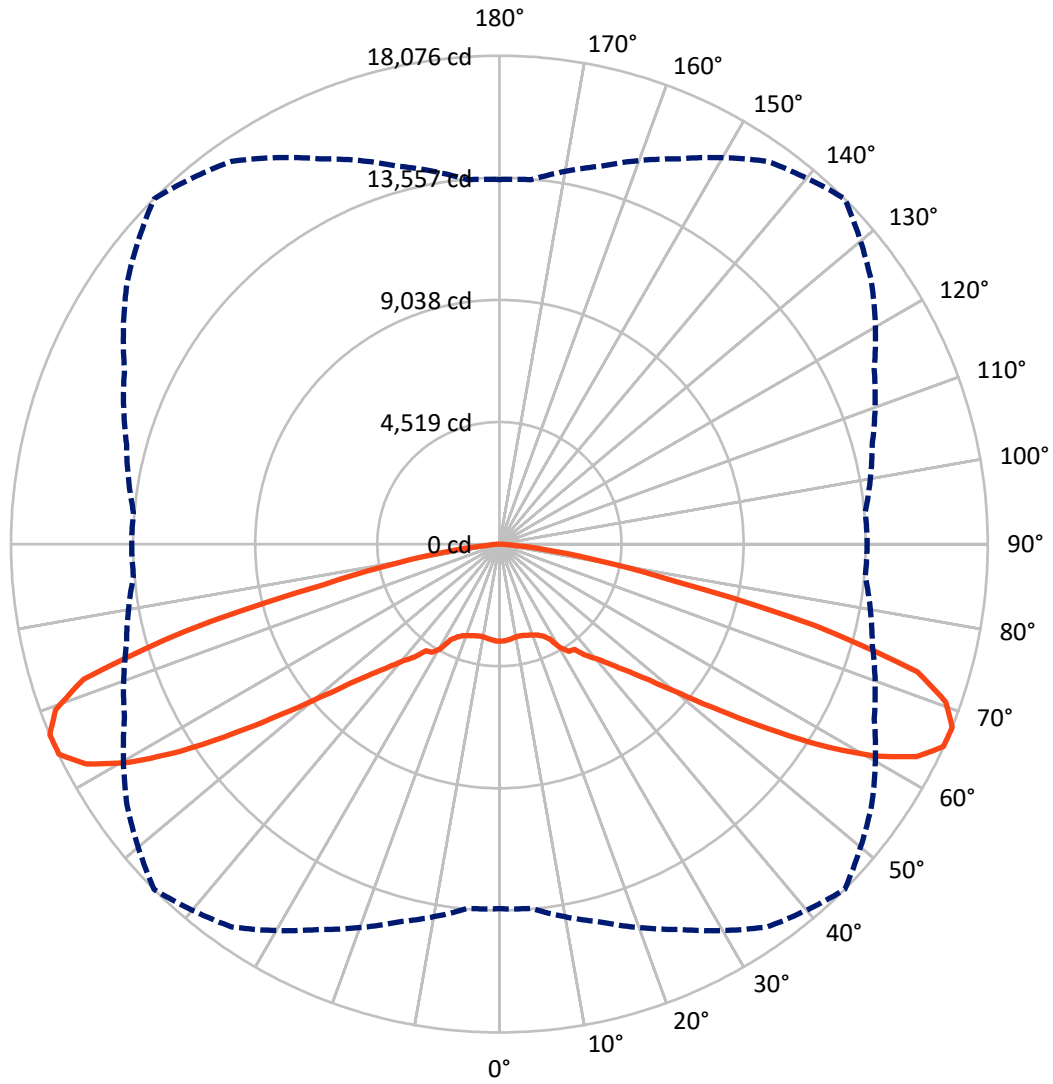
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 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	22893.0	0.0	22893.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22893.0	0.0	22893.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45786.0	0.0	45786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	0.7
10°-20°	1000.5	2.2
20°-30°	1794.7	3.9
30°-40°	3031.7	6.6
40°-50°	5326.7	11.6
50°-60°	10275.3	22.4
60°-70°	14908.1	32.6
70°-80°	8529.8	18.6
80°-90°	582.2	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°	45786.0	100.0
0°-180°	45786.0	100.0

Coefficient of Utilization



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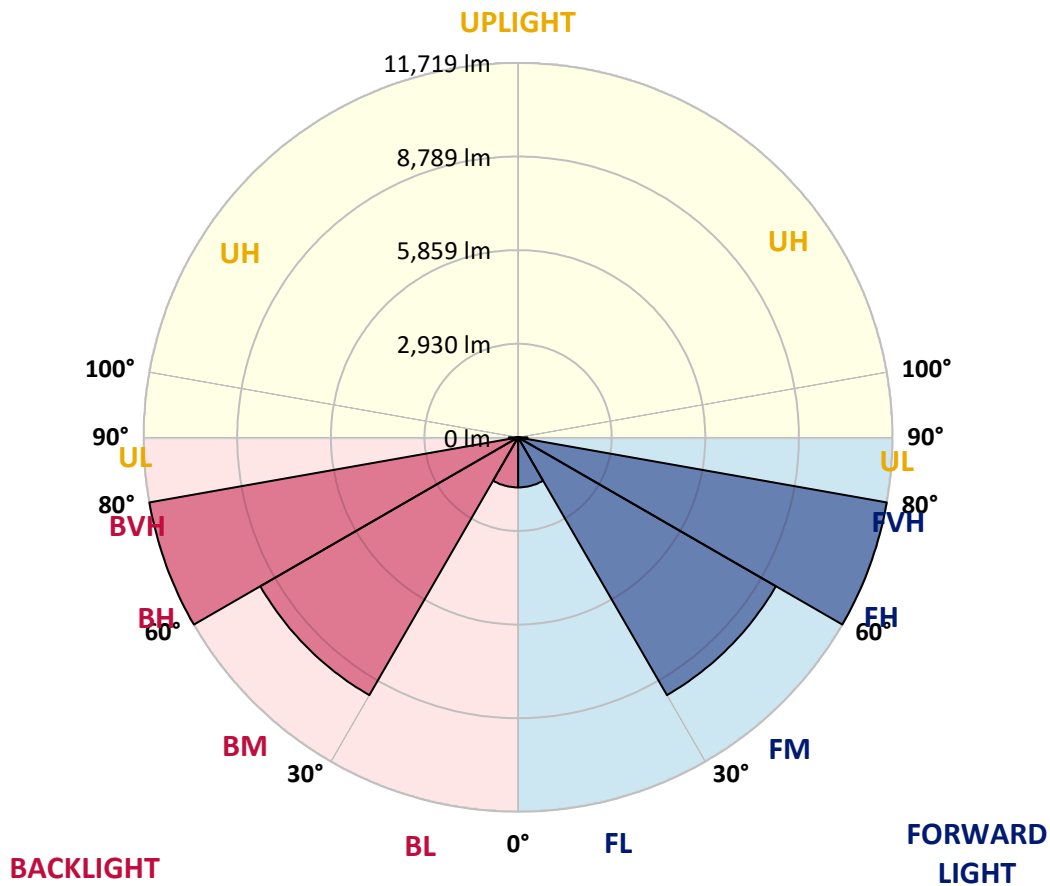
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1566.1	3.4			
FM (30°-60°)	9316.8	20.3			
FH (60°-80°)	11719.0	25.6			G4/12000
FVH (80°-90°)	291.1	0.6			G3/500
BL (0°-30°)	1566.1	3.4	B3/2500		
BM (30°-60°)	9316.8	20.3	B5		
BH (60°-80°)	11719.0	25.6	B5		G4/12000
BVH (80°-90°)	291.1	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°	3590.6	3590.6	3590.6	3590.6	3590.6	3590.6	3590.6	3590.6	3590.6	3590.6	3590.6
2.5°	3561.4	3564.7	3571.1	3571.1	3577.6	3587.3	3590.6	3584.1	3587.3	3571.1	3587.3
5°	3551.7	3554.9	3558.2	3551.7	3551.7	3554.9	3554.9	3548.5	3551.7	3535.5	3551.7
7.5°	3529.0	3532.3	3532.3	3522.6	3512.9	3519.3	3519.3	3512.9	3516.1	3499.9	3519.3
10°	3509.6	3509.6	3506.4	3487.0	3477.2	3487.0	3490.2	3493.4	3506.4	3493.4	3516.1
12.5°	3522.6	3522.6	3512.9	3487.0	3470.8	3477.2	3483.7	3490.2	3512.9	3509.6	3535.5
15°	3558.2	3561.4	3535.5	3506.4	3496.7	3506.4	3499.9	3496.7	3525.8	3535.5	3564.7
17.5°	3587.3	3587.3	3554.9	3525.8	3529.0	3545.2	3532.3	3516.1	3545.2	3564.7	3597.0
20°	3613.2	3610.0	3574.4	3554.9	3567.9	3590.6	3580.8	3558.2	3577.6	3600.3	3629.4
22.5°	3678.0	3674.7	3635.9	3626.2	3639.1	3661.8	3652.1	3632.6	3655.3	3687.7	3723.3
25°	3862.5	3856.0	3797.8	3765.4	3758.9	3775.1	3771.9	3765.4	3801.0	3839.9	3881.9
27.5°	4108.6	4105.3	4063.3	4030.9	3988.8	3975.8	3985.6	4014.7	4066.5	4095.6	4131.2
30°	4231.6	4231.6	4225.1	4276.9	4367.6	4455.0	4387.0	4276.9	4231.6	4218.7	4254.3
32.5°	4393.5	4409.7	4387.0	4445.3	4597.5	4727.0	4597.5	4419.4	4387.0	4387.0	4425.9
35°	4765.8	4772.3	4736.7	4727.0	4775.5	4791.7	4730.2	4665.5	4701.1	4707.5	4756.1
37.5°	5063.7	5063.7	5047.5	5073.4	5173.8	5235.3	5134.9	5018.4	5028.1	5034.6	5096.1
40°	5523.4	5536.4	5497.5	5494.3	5533.1	5588.2	5481.3	5406.9	5458.7	5474.9	5568.8
42.5°	6096.5	6096.5	6038.2	6022.0	6047.9	6106.2	6005.8	5957.3	6025.3	6038.2	6093.3
45°	6779.6	6795.8	6718.1	6689.0	6701.9	6721.4	6650.1	6627.5	6692.2	6721.4	6818.5
47.5°	7611.7	7627.9	7559.9	7556.7	7543.7	7556.7	7488.7	7475.7	7527.5	7504.9	7608.5
50°	8638.1	8667.2	8608.9	8689.9	8680.1	8719.0	8625.1	8557.1	8557.1	8495.6	8553.9
52.5°	9787.4	9845.7	9874.8	10010.8	10114.4	10211.6	10056.1	9949.3	9793.9	9667.6	9826.3
55°	11040.4	11024.2	11208.8	11506.6	11811.0	12040.8	11736.5	11399.8	11147.2	10885.0	10946.5
57.5°	12138.0	12193.0	12435.8	12979.8	13582.0	14067.6	13520.4	12872.9	12299.8	11924.3	11976.1
60°	13051.0	13096.3	13420.1	14203.6	15255.8	15926.0	15058.3	13989.9	13157.8	12639.8	12694.8
62.5°	13892.8	13934.9	14261.9	15126.3	16453.8	17327.9	16207.7	14747.5	13821.5	13300.3	13332.7
65°	14378.4	14404.3	14851.1	15760.9	17159.6	18062.9	16800.2	15294.7	14384.9	13853.9	13873.3
67.5°	13494.5	13536.6	14478.8	15735.0	17295.5	18075.8	16826.1	15310.9	14287.8	13594.9	13611.1
70°	10645.4	10609.8	11733.3	13892.8	16515.3	17531.9	16078.2	14161.5	12581.5	11613.5	11597.3
72.5°	8116.8	8126.5	8751.4	10231.0	13465.4	16178.6	14187.4	11403.0	9700.0	8965.1	8935.9
75°	5886.1	5976.7	6485.0	7569.6	9418.3	12092.6	10681.0	8450.3	7310.6	6870.3	6805.5
77.5°	2651.6	2768.2	3477.2	4752.9	6297.2	6682.5	6708.4	5737.1	4328.7	3597.0	3483.7
80°	773.8	828.8	1065.2	1822.8	2933.3	3791.3	3011.0	2531.8	1576.7	1236.8	1178.5
82.5°	327.0	372.3	456.5	505.1	851.5	1758.0	1094.3	696.1	647.5	524.5	479.2
85°	139.2	148.9	191.0	204.0	275.2	375.6	346.4	314.1	301.1	233.1	213.7
87.5°	58.3	58.3	58.3	51.8	48.6	51.8	71.2	90.7	119.8	93.9	87.4
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)