

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: P643298

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47204.1 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

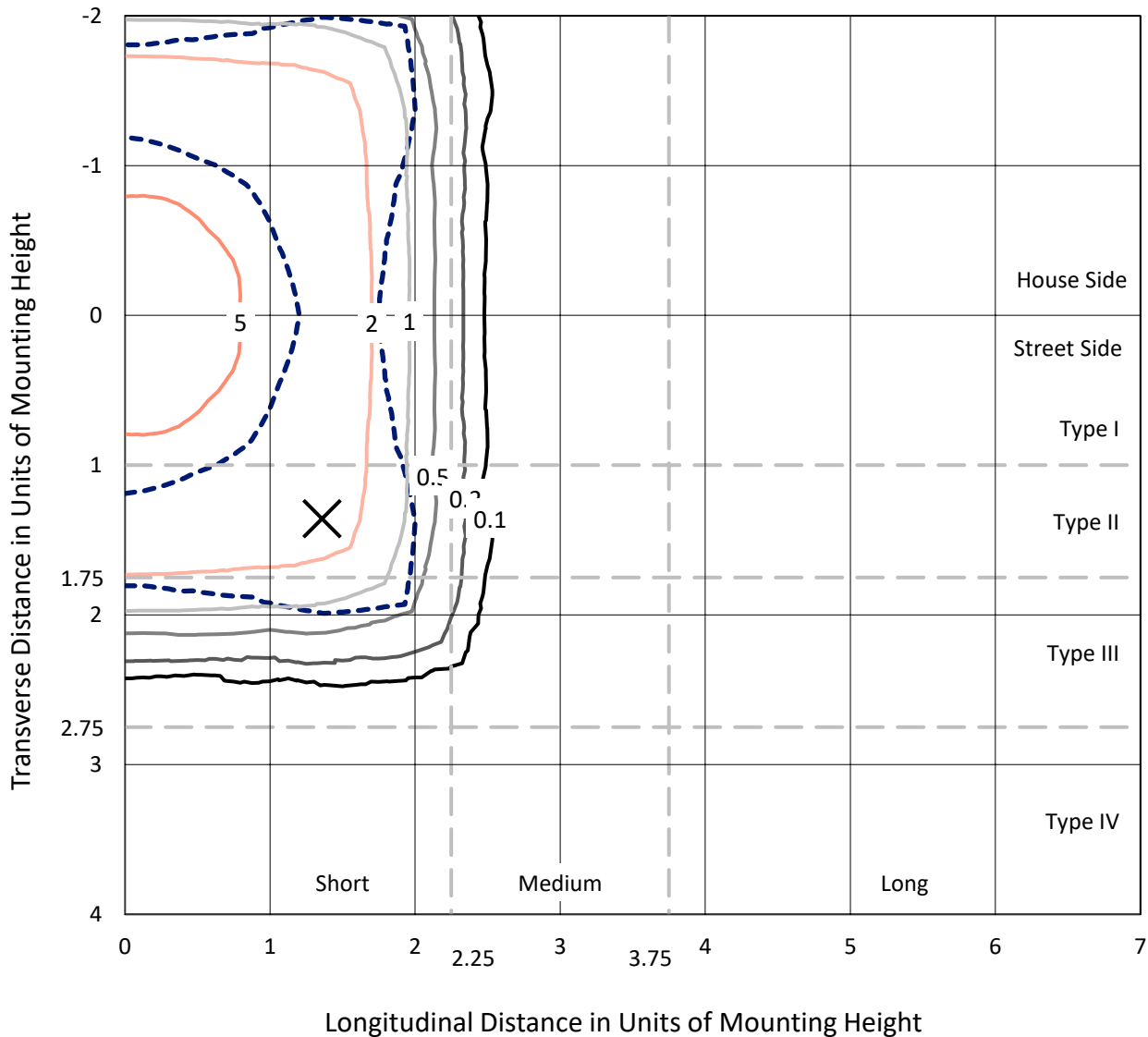
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

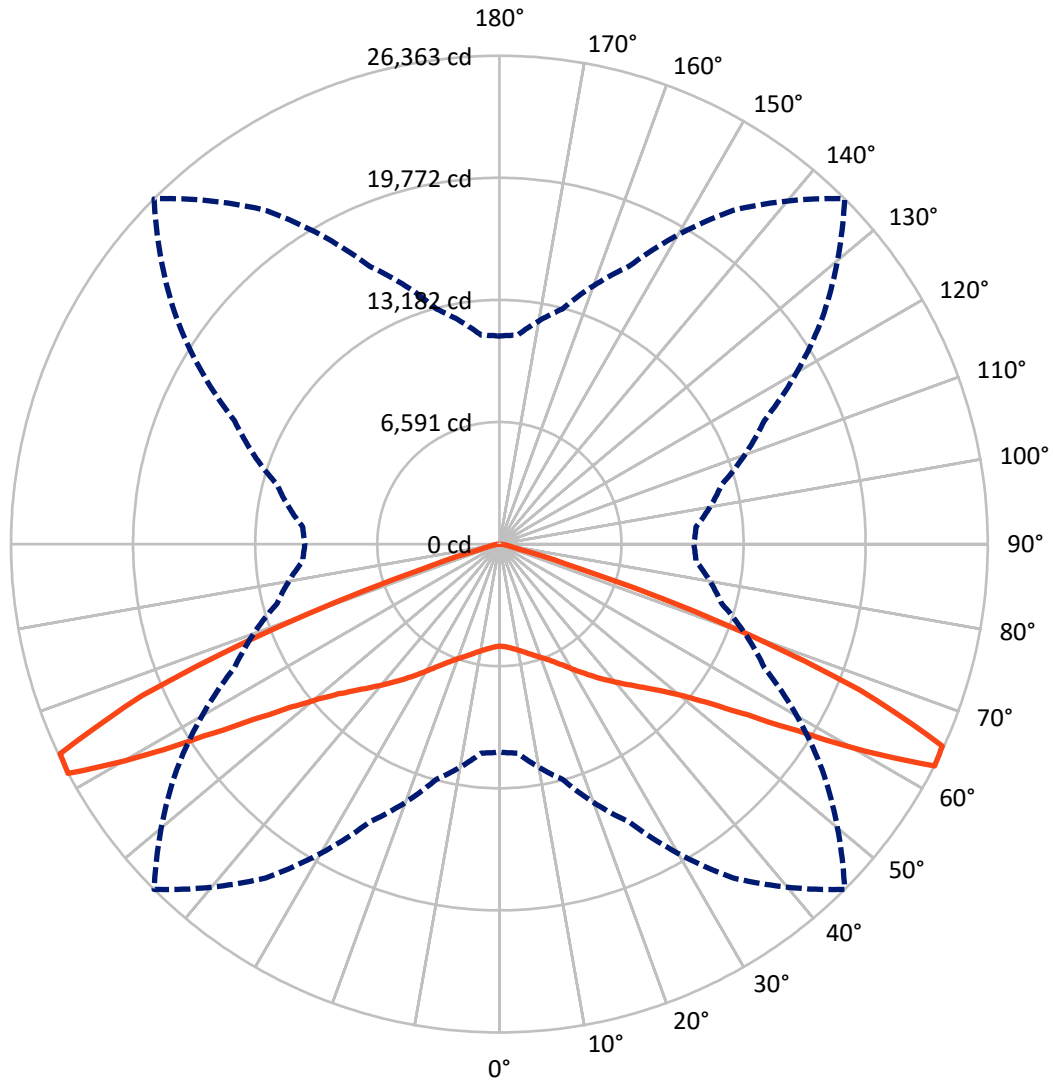
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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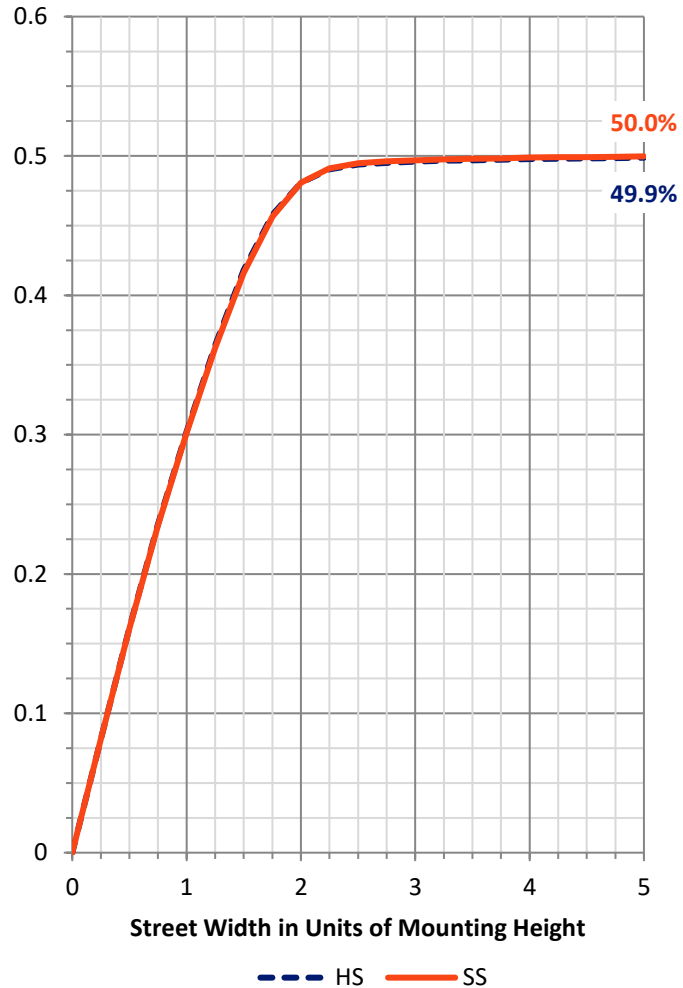
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23602.1	0.0	23602.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23602.1	0.0	23602.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	47204.1	0.0	47204.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.3	1.1
10°-20°	1742.4	3.7
20°-30°	3296.4	7.0
30°-40°	5548.4	11.8
40°-50°	8864.7	18.8
50°-60°	14289.4	30.3
60°-70°	11658.6	24.7
70°-80°	1132.2	2.4
80°-90°	131.7	0.3
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°	47204.1	100.0
0°-180°	47204.1	100.0

Coefficient of Utilization



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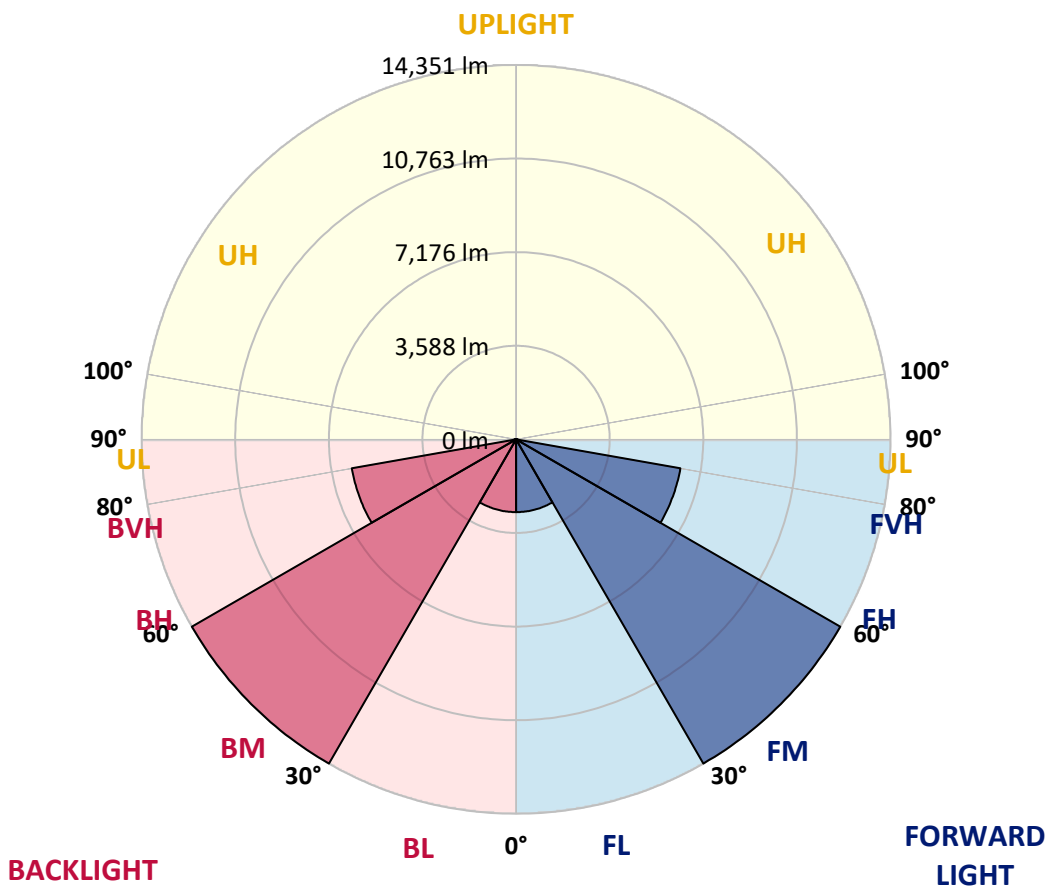
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2789.6	5.9			
FM (30°-60°)	14351.3	30.4			
FH (60°-80°)	6395.4	13.5			G3/7500
FVH (80°-90°)	65.9	0.1			G1/100
BL (0°-30°)	2789.6	5.9	B4/5000		
BM (30°-60°)	14351.3	30.4	B5		
BH (60°-80°)	6395.4	13.5	B5		G3/7500
BVH (80°-90°)	65.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5507.0	5507.0	5507.0	5507.0	5507.0	5507.0	5507.0	5507.0	5507.0	5507.0	5507.0
2.5°	5500.5	5500.5	5513.5	5523.2	5516.7	5542.6	5539.4	5532.9	5529.7	5519.9	5549.1
5°	5575.0	5575.0	5584.7	5594.4	5578.2	5610.6	5597.6	5591.2	5587.9	5575.0	5600.9
7.5°	5659.2	5668.9	5672.1	5688.3	5678.6	5714.2	5704.5	5691.5	5685.1	5668.9	5691.5
10°	5753.0	5759.5	5762.8	5791.9	5795.1	5837.2	5827.5	5811.3	5798.4	5782.2	5814.6
12.5°	5879.3	5882.5	5892.3	5927.9	5937.6	5970.0	5966.7	5944.1	5927.9	5905.2	5940.8
15°	6041.2	6044.4	6060.6	6096.2	6112.4	6151.3	6138.3	6102.7	6080.0	6054.1	6083.3
17.5°	6209.5	6222.5	6238.7	6274.3	6296.9	6342.3	6326.1	6287.2	6267.8	6241.9	6261.3
20°	6426.4	6429.7	6439.4	6478.2	6494.4	6546.2	6549.5	6510.6	6500.9	6475.0	6504.1
22.5°	6666.0	6669.3	6679.0	6721.1	6750.2	6782.6	6802.0	6779.3	6763.1	6730.8	6766.4
25°	6931.5	6963.9	6973.6	7025.4	7057.8	7077.2	7099.8	7090.1	7067.5	7028.6	7044.8
27.5°	7303.8	7310.3	7326.5	7384.7	7404.2	7423.6	7446.3	7449.5	7417.1	7371.8	7394.5
30°	7727.9	7724.7	7760.3	7805.6	7821.8	7838.0	7870.4	7889.8	7847.7	7799.1	7821.8
32.5°	8161.7	8200.6	8245.9	8288.0	8278.3	8284.8	8336.6	8372.2	8313.9	8226.5	8245.9
35°	8650.6	8676.5	8734.8	8796.3	8783.3	8773.6	8806.0	8841.6	8760.7	8647.4	8676.5
37.5°	9152.4	9191.3	9278.7	9353.1	9333.7	9288.4	9324.0	9362.9	9285.2	9155.7	9142.7
40°	9712.5	9774.0	9900.3	9961.8	9910.0	9822.6	9884.1	9978.0	9900.3	9751.4	9715.8
42.5°	10369.7	10444.2	10570.5	10664.3	10551.0	10408.6	10512.2	10648.2	10628.7	10431.2	10369.7
45°	11182.3	11230.9	11386.3	11431.6	11263.3	11065.8	11253.6	11460.8	11412.2	11198.5	11117.6
47.5°	12066.2	12140.6	12276.6	12360.8	12088.8	11842.8	12105.0	12383.5	12331.7	12130.9	12037.0
50°	13192.8	13290.0	13468.0	13539.2	13163.7	12882.0	13218.7	13571.6	13471.3	13202.5	13079.5
52.5°	14419.8	14497.5	14801.9	14944.3	14591.4	14287.1	14581.7	14928.1	14714.5	14358.3	14193.2
55°	15501.2	15578.9	16025.6	16498.3	16482.1	16271.7	16420.6	16427.1	15847.6	15258.4	15083.5
57.5°	15734.3	15812.0	16663.4	17900.2	18774.3	19017.1	18580.0	17660.6	16200.5	15167.7	14970.2
60°	14491.1	14578.5	15931.8	18191.5	21066.4	22688.4	20674.7	17634.7	15109.4	13710.8	13523.1
62.5°	11227.7	11321.6	13141.0	16533.9	21992.4	26363.0	21283.4	15779.6	12428.8	10657.9	10492.8
65°	5361.3	5361.3	7672.9	11859.0	20147.0	26275.6	19522.2	11674.4	7481.9	5746.6	5604.1
67.5°	1327.4	1333.9	1974.9	4616.7	13704.4	20969.3	13927.7	5604.1	2635.3	1864.8	1816.2
70°	828.8	825.6	916.2	1249.7	4794.7	12726.6	5694.8	1690.0	1071.6	945.4	938.9
72.5°	644.3	644.3	689.6	799.7	1256.2	4335.0	1660.8	938.9	777.0	699.3	699.3
75°	508.3	508.3	540.7	598.9	741.4	1116.9	883.8	696.1	602.2	550.4	543.9
77.5°	378.8	385.3	411.2	450.0	505.1	628.1	560.1	524.5	469.4	430.6	417.6
80°	246.1	255.8	288.1	310.8	330.2	414.4	365.8	382.0	356.1	310.8	304.3
82.5°	132.7	136.0	174.8	181.3	187.8	226.6	233.1	242.8	252.5	197.5	184.5
85°	48.6	48.6	58.3	68.0	74.5	80.9	110.1	136.0	142.5	113.3	110.1
87.5°	9.7	9.7	9.7	6.5	6.5	6.5	19.4	35.6	58.3	45.3	45.3
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)