

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: P641320

Luminaire Tested: GWS-SA5F-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35563.6 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

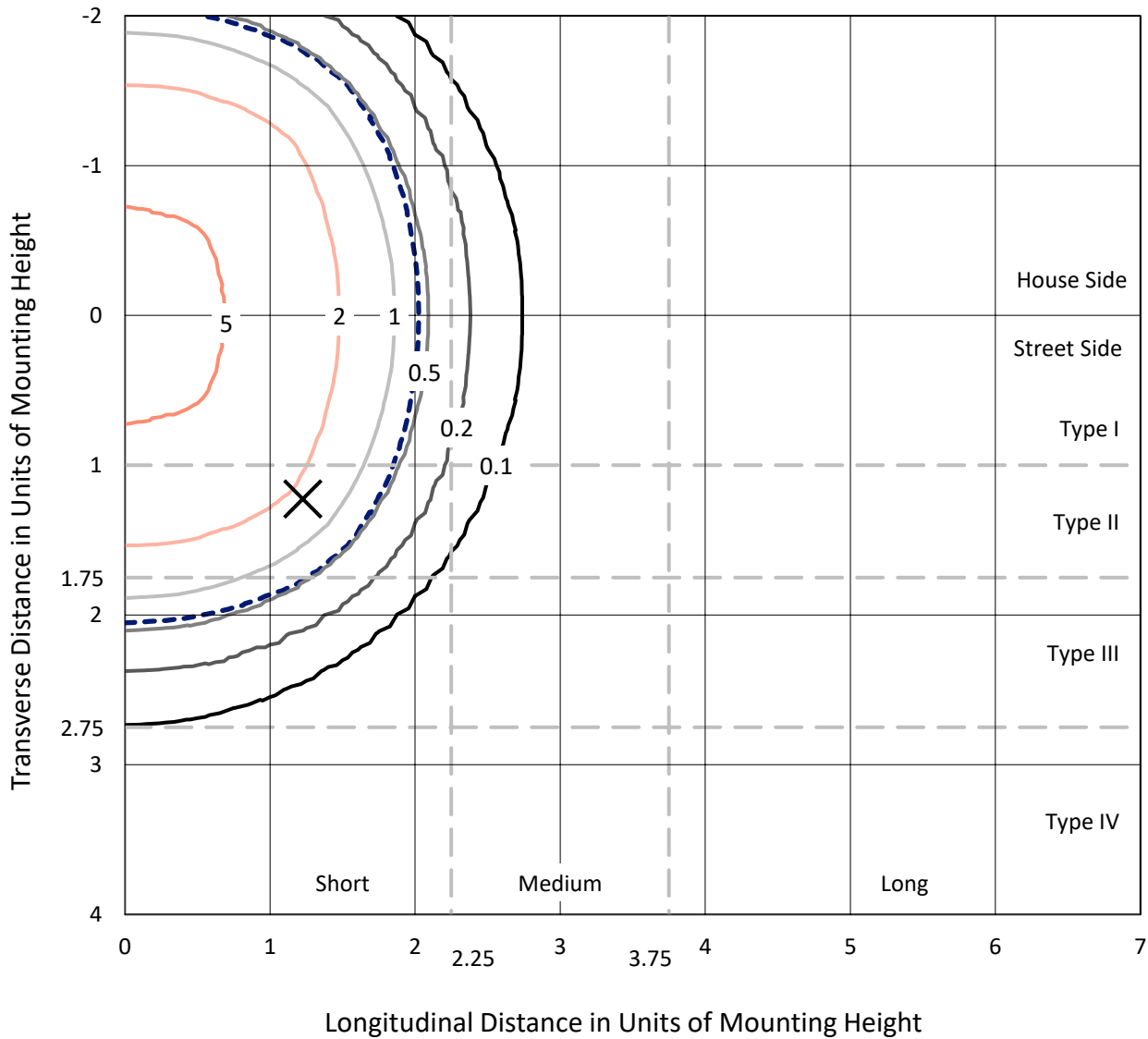
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

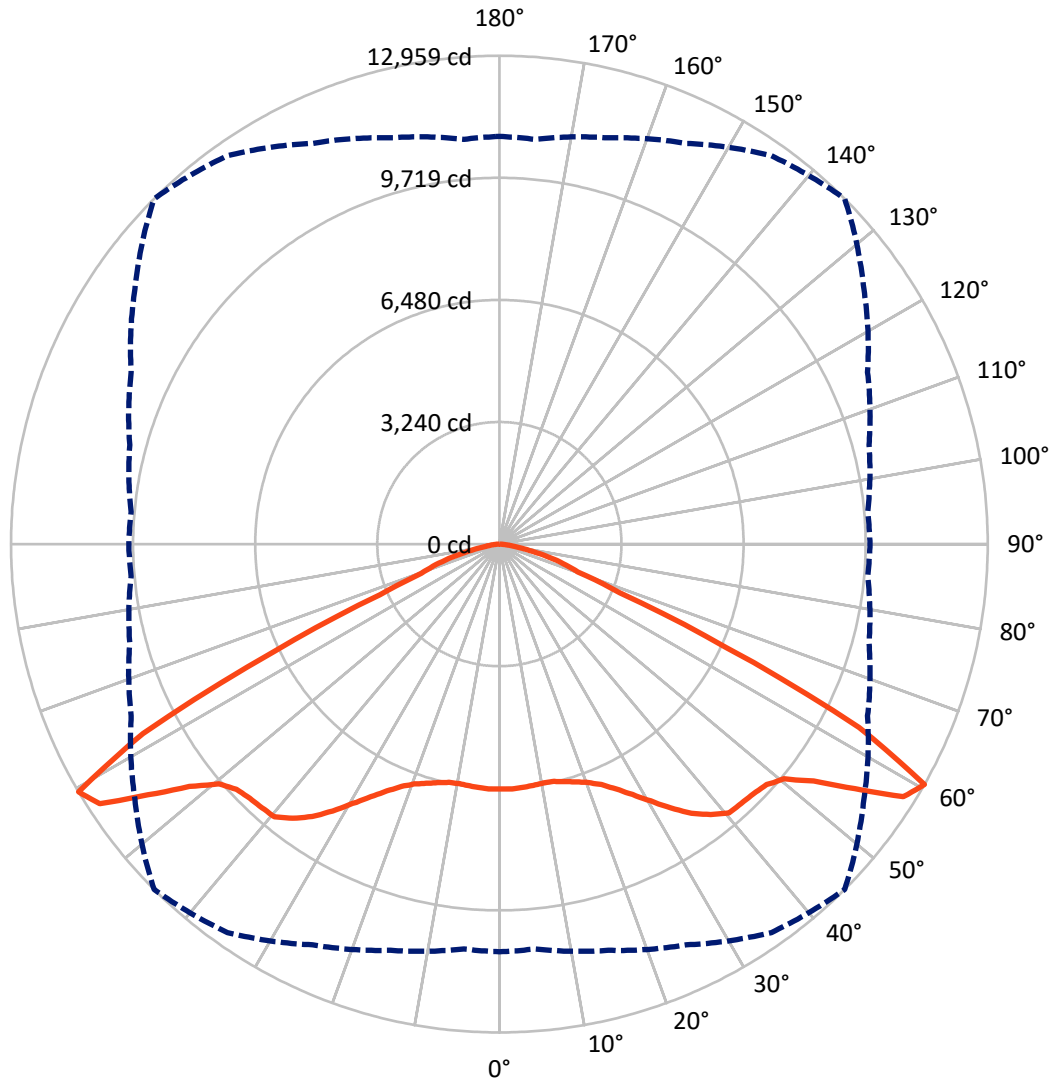
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17781.8	0.0	17781.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17781.8	0.0	17781.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	35563.6	0.0	35563.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.4	1.7
10°-20°	1853.9	5.2
20°-30°	3279.9	9.2
30°-40°	5280.7	14.8
40°-50°	7258.2	20.4
50°-60°	9672.2	27.2
60°-70°	6028.2	17.0
70°-80°	1386.2	3.9
80°-90°	188.1	0.5
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°	35563.6	100.0
0°-180°	35563.6	100.0

Coefficient of Utilization



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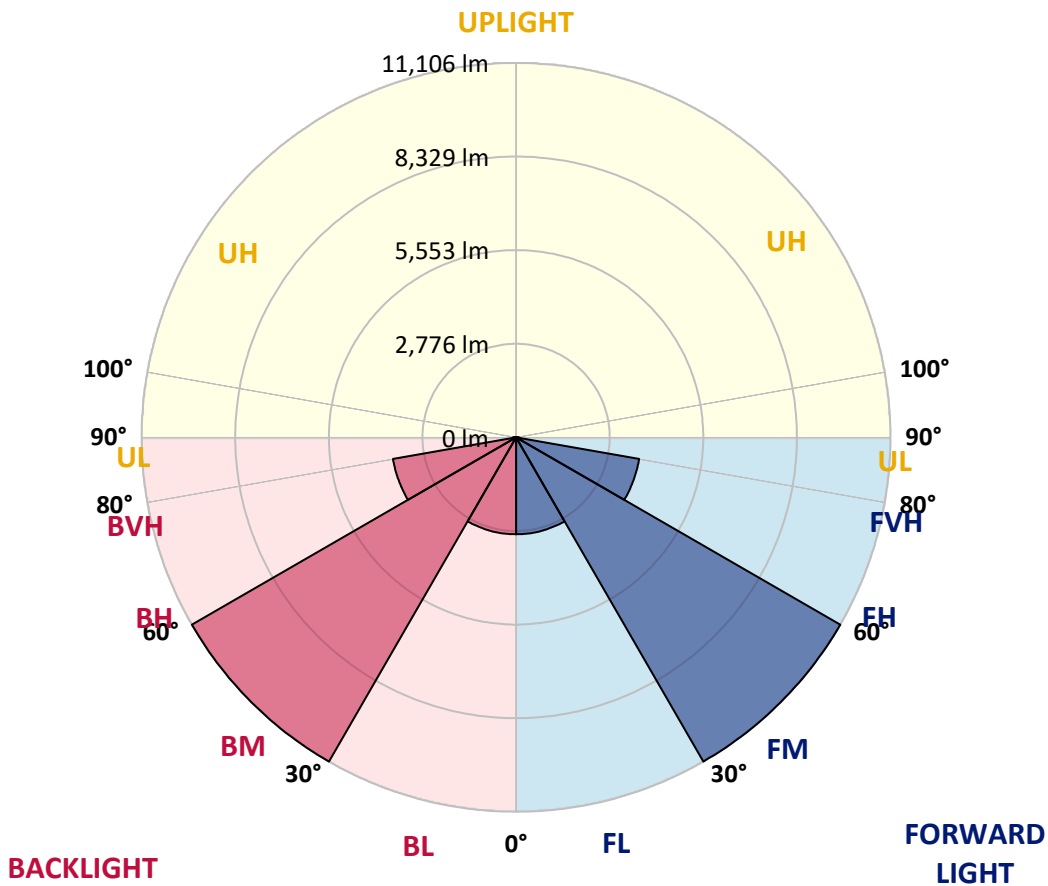
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2875.1	8.1			
FM (30°-60°)	11105.5	31.2			
FH (60°-80°)	3707.2	10.4			G2/5000
FVH (80°-90°)	94.0	0.3			G1/100
BL (0°-30°)	2875.1	8.1	B4/5000		
BM (30°-60°)	11105.5	31.2	B5		
BH (60°-80°)	3707.2	10.4	B4/5000		G2/5000
BVH (80°-90°)	94.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6499.2	6499.2	6499.2	6499.2	6499.2	6499.2	6499.2	6499.2	6499.2	6499.2	6499.2
2.5°	6453.9	6460.0	6472.0	6481.1	6493.2	6505.2	6511.3	6499.2	6493.2	6469.0	6496.2
5°	6460.0	6466.0	6475.0	6475.0	6478.1	6487.1	6487.1	6472.0	6456.9	6429.8	6460.0
7.5°	6450.9	6456.9	6460.0	6456.9	6460.0	6463.0	6456.9	6438.8	6423.7	6399.6	6423.7
10°	6435.8	6441.8	6447.9	6441.8	6435.8	6444.9	6444.9	6432.8	6423.7	6399.6	6426.7
12.5°	6469.0	6478.1	6481.1	6466.0	6460.0	6463.0	6463.0	6450.9	6450.9	6429.8	6460.0
15°	6547.5	6553.5	6544.5	6526.4	6529.4	6538.4	6517.3	6487.1	6481.1	6472.0	6496.2
17.5°	6607.9	6613.9	6604.9	6592.8	6613.9	6635.0	6595.8	6538.4	6520.3	6514.3	6541.5
20°	6674.3	6683.3	6671.3	6686.4	6728.6	6752.8	6704.5	6626.0	6589.8	6580.7	6613.9
22.5°	6783.0	6795.0	6795.0	6828.2	6891.6	6930.9	6870.5	6764.8	6710.5	6695.4	6728.6
25°	6955.0	6964.1	6973.1	7039.5	7142.2	7196.5	7099.9	6955.0	6879.5	6855.4	6873.5
27.5°	7193.5	7208.6	7223.7	7320.3	7447.1	7525.5	7386.7	7205.6	7112.0	7063.7	7099.9
30°	7477.2	7498.4	7534.6	7643.3	7821.4	7908.9	7730.8	7510.5	7404.8	7353.5	7401.8
32.5°	7863.6	7866.7	7893.8	8014.6	8250.0	8349.6	8126.3	7881.7	7773.1	7712.7	7739.9
35°	8322.5	8325.5	8283.2	8407.0	8660.6	8772.3	8509.6	8262.1	8171.5	8153.4	8222.9
37.5°	8793.4	8766.2	8724.0	8778.3	9034.9	9107.3	8829.6	8618.3	8579.1	8612.3	8714.9
40°	9128.5	9083.2	8998.7	9037.9	9297.5	9382.0	9086.2	8887.0	8874.9	8956.4	9080.2
42.5°	9345.8	9297.5	9197.9	9197.9	9376.0	9412.2	9182.8	9077.1	9104.3	9197.9	9315.6
45°	9451.5	9424.3	9366.9	9336.7	9436.4	9451.5	9276.4	9234.1	9285.4	9330.7	9421.3
47.5°	9533.0	9533.0	9514.8	9484.7	9529.9	9539.0	9409.2	9397.1	9463.5	9463.5	9523.9
50°	9677.9	9693.0	9717.1	9711.1	9759.4	9789.5	9693.0	9674.8	9702.0	9614.5	9644.7
52.5°	10058.2	10097.5	10166.9	10221.2	10345.0	10438.6	10266.5	10121.6	9979.7	9786.5	9792.6
55°	10740.4	10758.5	10894.4	11054.4	11262.7	11452.8	11099.7	10649.9	10342.0	10115.6	10118.6
57.5°	11317.0	11344.2	11543.4	11878.5	12346.4	12642.2	11860.4	11108.7	10674.0	10396.3	10405.4
60°	10818.9	10782.7	11160.0	11733.6	12581.8	12959.2	11806.0	10779.7	10154.8	9810.7	9834.8
62.5°	8370.8	8301.3	8720.9	9321.7	10338.9	10716.3	9653.7	8669.6	8078.0	7809.3	7770.1
65°	5095.5	5032.1	5334.0	5702.3	6390.5	6629.0	6143.0	5620.8	5104.6	4941.6	4896.3
67.5°	2774.2	2765.1	2846.6	3027.7	3329.6	3441.3	3347.7	3100.2	2967.4	2852.6	2852.6
70°	2200.6	2182.5	2167.4	2170.4	2197.6	2212.7	2215.7	2203.6	2218.7	2221.7	2209.7
72.5°	1823.3	1817.2	1787.1	1790.1	1778.0	1772.0	1793.1	1805.2	1829.3	1832.3	1832.3
75°	1322.2	1307.1	1322.2	1325.2	1313.1	1313.1	1328.2	1325.2	1337.3	1343.3	1310.1
77.5°	751.6	751.6	772.8	796.9	815.0	815.0	830.1	830.1	845.2	842.2	836.2
80°	413.6	413.6	425.6	440.7	458.8	476.9	492.0	495.1	504.1	501.1	492.0
82.5°	235.5	238.5	244.5	253.6	271.7	286.8	301.9	304.9	313.9	313.9	304.9
85°	111.7	108.7	111.7	117.7	126.8	138.9	154.0	163.0	169.0	169.0	163.0
87.5°	21.1	24.1	21.1	24.1	27.2	36.2	42.3	48.3	57.4	60.4	54.3
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)