

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: P643741

Luminaire Tested: GWS-SA6F-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643741
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-SA6F-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51613.1 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

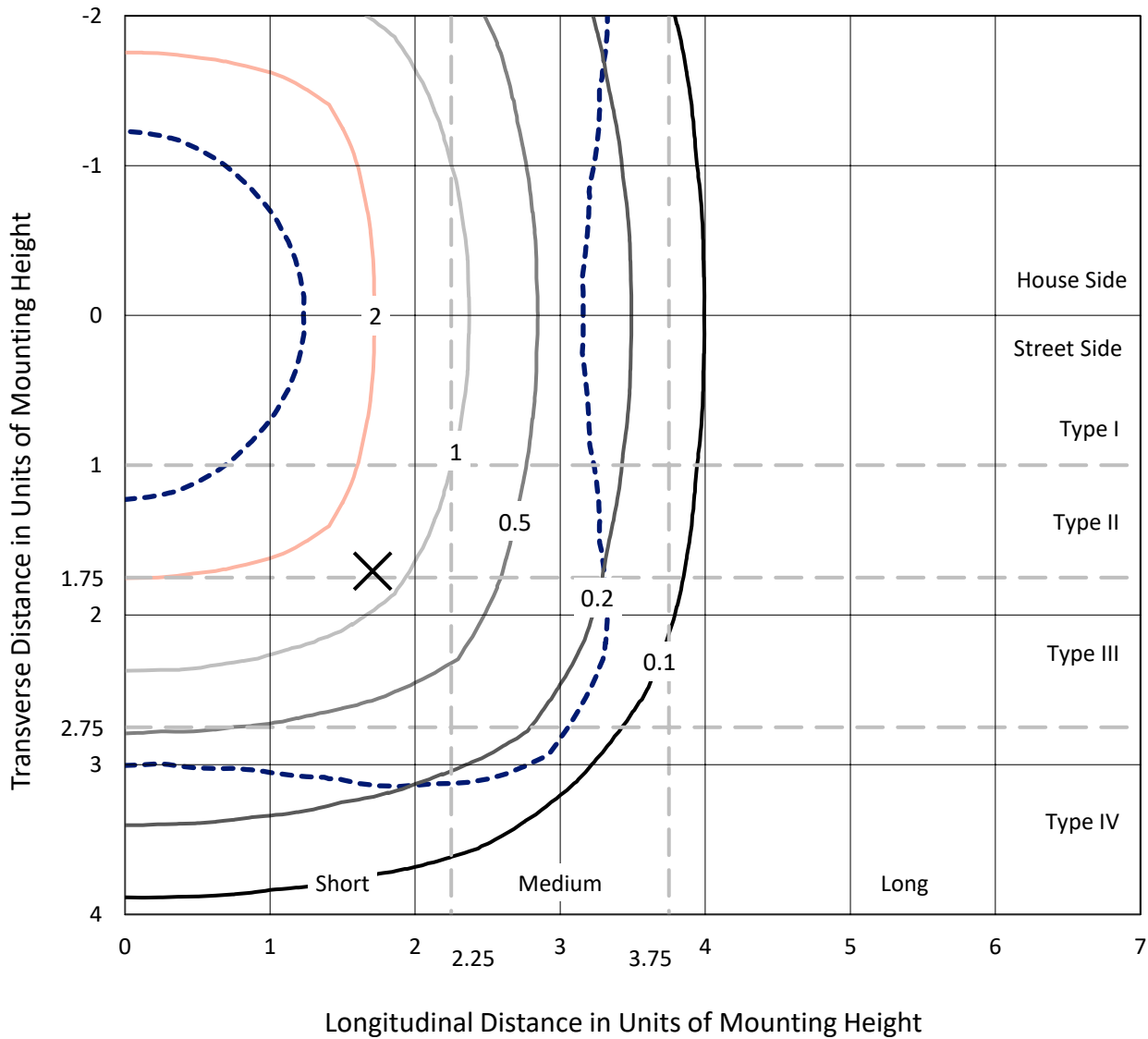
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

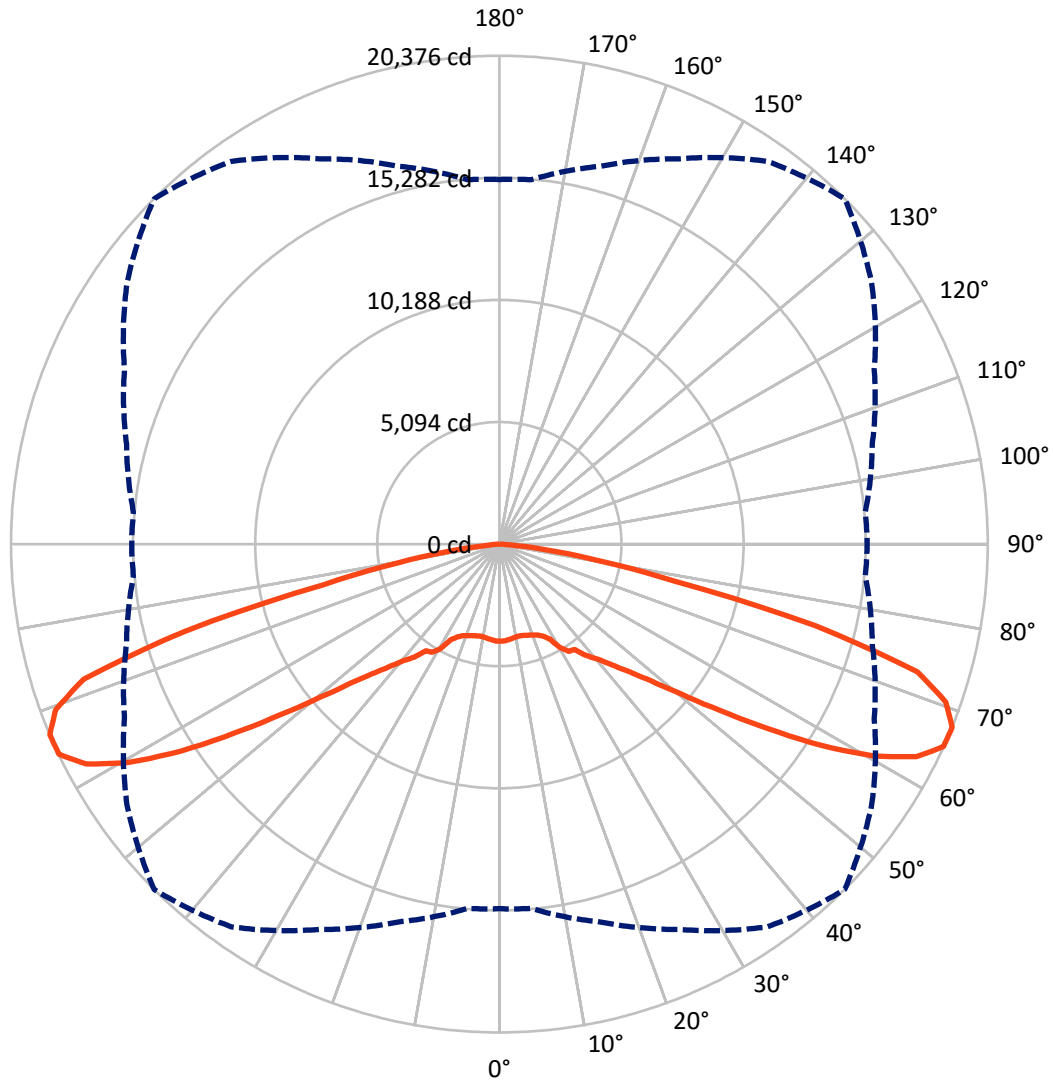
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.5 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	25806.6	0.0	25806.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25806.6	0.0	25806.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	51613.1	0.0	51613.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.0	0.7
10°-20°	1127.8	2.2
20°-30°	2023.1	3.9
30°-40°	3417.5	6.6
40°-50°	6004.6	11.6
50°-60°	11583.1	22.4
60°-70°	16805.5	32.6
70°-80°	9615.4	18.6
80°-90°	656.2	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°	51613.1	100.0
0°-180°	51613.1	100.0

Coefficient of Utilization



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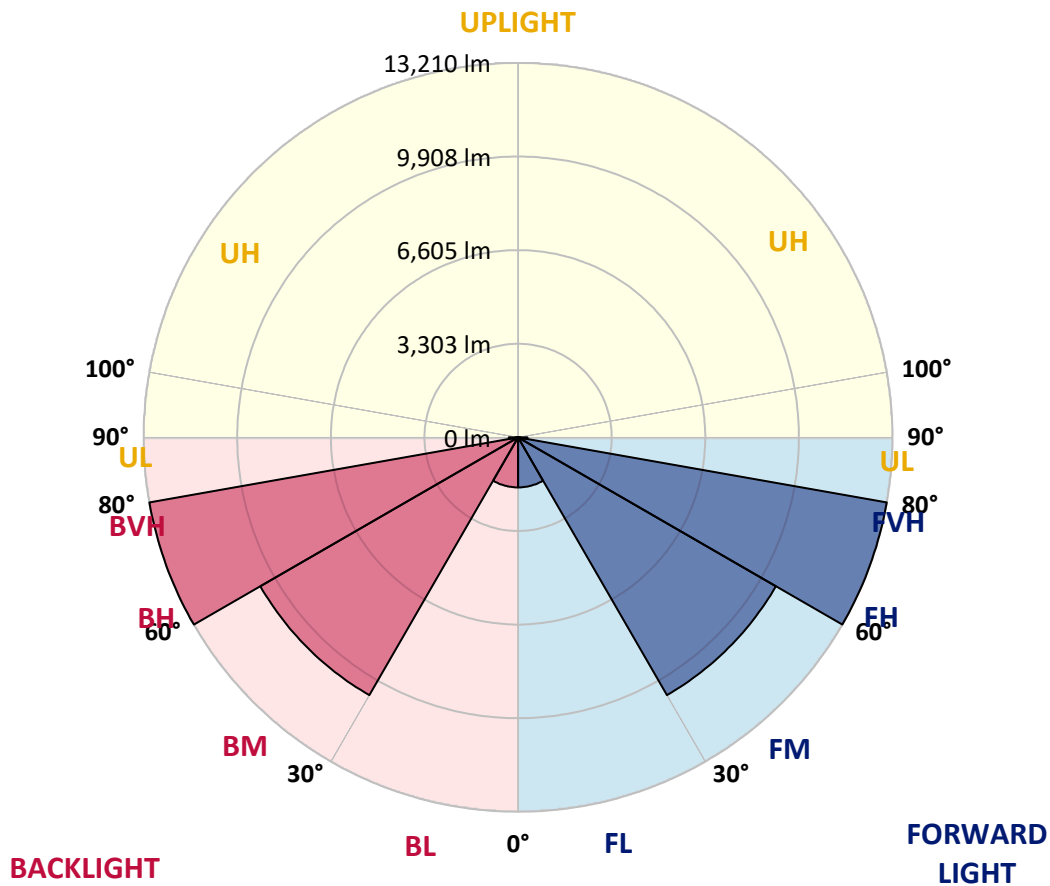
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1765.4	3.4			
FM (30°-60°)	10502.6	20.3			
FH (60°-80°)	13210.4	25.6			G5
FVH (80°-90°)	328.1	0.6			G3/500
BL (0°-30°)	1765.4	3.4	B3/2500		
BM (30°-60°)	10502.6	20.3	B5		
BH (60°-80°)	13210.4	25.6	B5		G5
BVH (80°-90°)	328.1	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-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4047.5	4047.5	4047.5	4047.5	4047.5	4047.5	4047.5	4047.5	4047.5	4047.5	4047.5
2.5°	4014.7	4018.3	4025.6	4025.6	4032.9	4043.9	4047.5	4040.2	4043.9	4025.6	4043.9
5°	4003.7	4007.4	4011.0	4003.7	4003.7	4007.4	4007.4	4000.1	4003.7	3985.5	4003.7
7.5°	3978.2	3981.8	3981.8	3970.9	3959.9	3967.2	3967.2	3959.9	3963.6	3945.3	3967.2
10°	3956.3	3956.3	3952.6	3930.7	3919.8	3930.7	3934.4	3938.0	3952.6	3938.0	3963.6
12.5°	3970.9	3970.9	3959.9	3930.7	3912.5	3919.8	3927.1	3934.4	3959.9	3956.3	3985.5
15°	4011.0	4014.7	3985.5	3952.6	3941.7	3952.6	3945.3	3941.7	3974.5	3985.5	4018.3
17.5°	4043.9	4043.9	4007.4	3974.5	3978.2	3996.4	3981.8	3963.6	3996.4	4018.3	4054.8
20°	4073.1	4069.4	4029.3	4007.4	4022.0	4047.5	4036.6	4011.0	4032.9	4058.5	4091.3
22.5°	4146.1	4142.4	4098.6	4087.7	4102.3	4127.8	4116.9	4095.0	4120.5	4157.0	4197.2
25°	4354.1	4346.8	4281.1	4244.6	4237.3	4255.6	4251.9	4244.6	4284.8	4328.5	4376.0
27.5°	4631.5	4627.8	4580.4	4543.9	4496.4	4481.8	4492.8	4525.6	4584.0	4616.9	4657.0
30°	4770.2	4770.2	4762.9	4821.3	4923.4	5022.0	4945.3	4821.3	4770.2	4755.6	4795.7
32.5°	4952.6	4970.9	4945.3	5011.0	5182.6	5328.6	5182.6	4981.8	4945.3	4945.3	4989.1
35°	5372.4	5379.7	5339.5	5328.6	5383.3	5401.6	5332.2	5259.2	5299.4	5306.7	5361.4
37.5°	5708.1	5708.1	5689.9	5719.1	5832.2	5901.6	5788.4	5657.0	5668.0	5675.3	5744.6
40°	6226.4	6241.0	6197.2	6193.5	6237.3	6299.4	6178.9	6095.0	6153.4	6171.6	6277.5
42.5°	6872.4	6872.4	6806.7	6788.4	6817.6	6883.3	6770.2	6715.5	6792.1	6806.7	6868.7
45°	7642.5	7660.7	7573.1	7540.3	7554.9	7576.8	7496.5	7470.9	7543.9	7576.8	7686.3
47.5°	8580.5	8598.7	8522.1	8518.4	8503.8	8518.4	8441.8	8427.2	8485.6	8460.0	8576.8
50°	9737.4	9770.3	9704.6	9795.8	9784.9	9828.7	9722.8	9646.2	9646.2	9576.8	9642.5
52.5°	11033.1	11098.7	11131.6	11284.9	11401.7	11511.2	11336.0	11215.5	11040.4	10898.0	11076.8
55°	12445.5	12427.2	12635.3	12971.0	13314.1	13573.2	13230.2	12850.6	12565.9	12270.3	12339.6
57.5°	13682.7	13744.8	14018.5	14631.7	15310.5	15858.0	15241.2	14511.2	13865.2	13441.9	13500.3
60°	14712.0	14763.0	15128.0	16011.2	17197.4	17952.9	16974.8	15770.4	14832.4	14248.4	14310.5
62.5°	15660.9	15708.3	16076.9	17051.4	18547.8	19533.2	18270.4	16624.4	15580.6	14993.0	15029.5
65°	16208.3	16237.5	16741.2	17766.8	19343.4	20361.7	18938.3	17241.2	16215.6	15617.1	15639.0
67.5°	15212.0	15259.4	16321.5	17737.6	19496.7	20376.3	18967.5	17259.4	16106.1	15325.1	15343.4
70°	12000.2	11960.1	13226.5	15660.9	18617.1	19763.1	18124.4	15963.8	14182.7	13091.5	13073.2
72.5°	9149.8	9160.8	9865.1	11533.1	15179.1	18237.6	15993.0	12854.3	10934.5	10106.0	10073.2
75°	6635.2	6737.4	7310.4	8533.0	10617.0	13631.6	12040.4	9525.7	8241.0	7744.7	7671.7
77.5°	2989.1	3120.5	3919.8	5357.8	7098.7	7533.0	7562.2	6467.3	4879.7	4054.8	3927.1
80°	872.3	934.3	1200.8	2054.8	3306.6	4273.8	3394.2	2854.1	1777.4	1394.2	1328.5
82.5°	368.6	419.7	514.6	569.4	959.9	1981.8	1233.6	784.7	729.9	591.3	540.2
85°	156.9	167.9	215.3	229.9	310.2	423.4	390.5	354.0	339.4	262.8	240.9
87.5°	65.7	65.7	65.7	58.4	54.7	58.4	80.3	102.2	135.0	105.8	98.5
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)