

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: P640988

Luminaire Tested: GWS-SA5F-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640988
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-SA5F-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32133.9 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

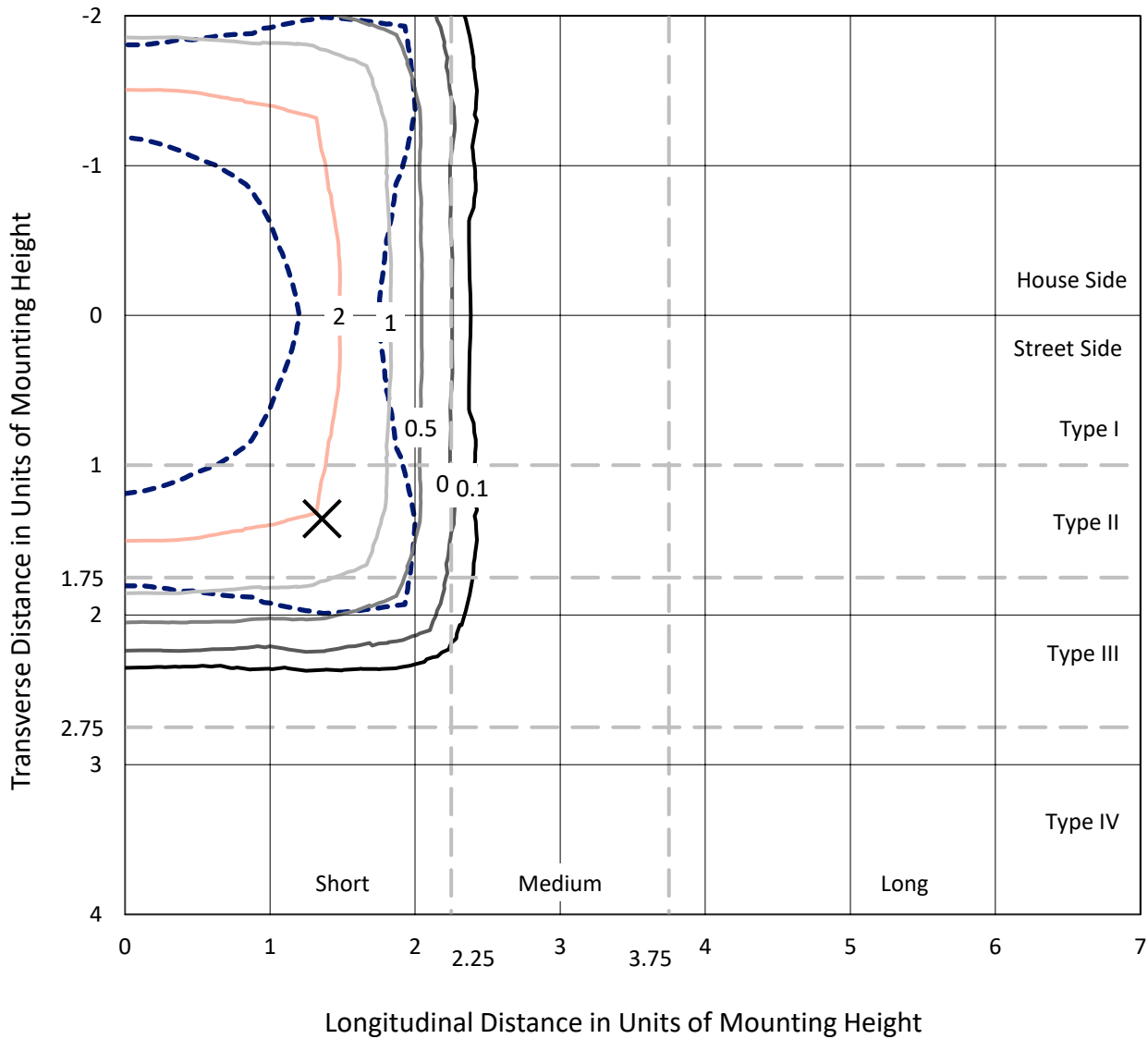
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

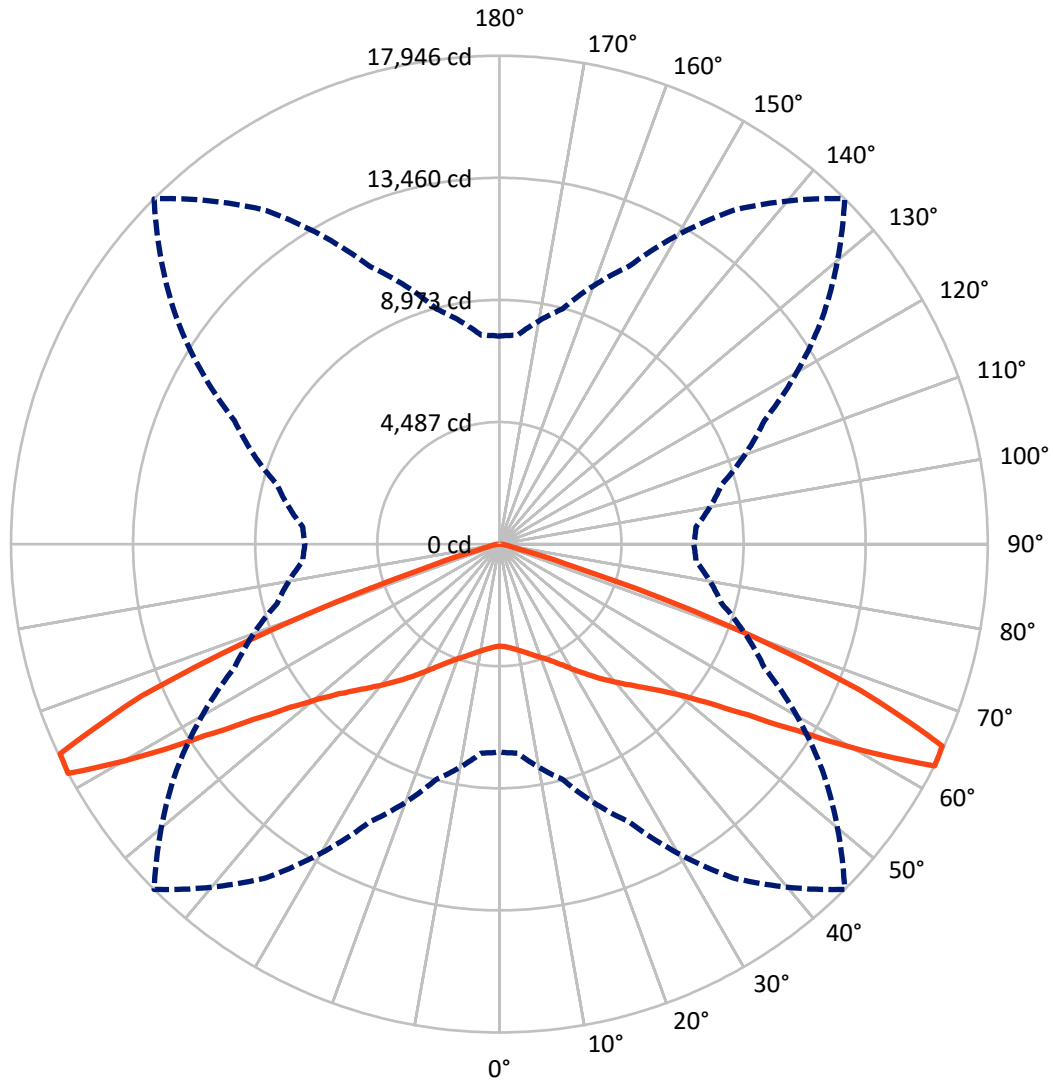
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 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	16066.9	0.0	16066.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16066.9	0.0	16066.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	32133.9	0.0	32133.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.8	1.1
10°-20°	1186.1	3.7
20°-30°	2244.0	7.0
30°-40°	3777.0	11.8
40°-50°	6034.6	18.8
50°-60°	9727.4	30.3
60°-70°	7936.5	24.7
70°-80°	770.7	2.4
80°-90°	89.7	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°	32133.9	100.0
0°-180°	32133.9	100.0

Coefficient of Utilization



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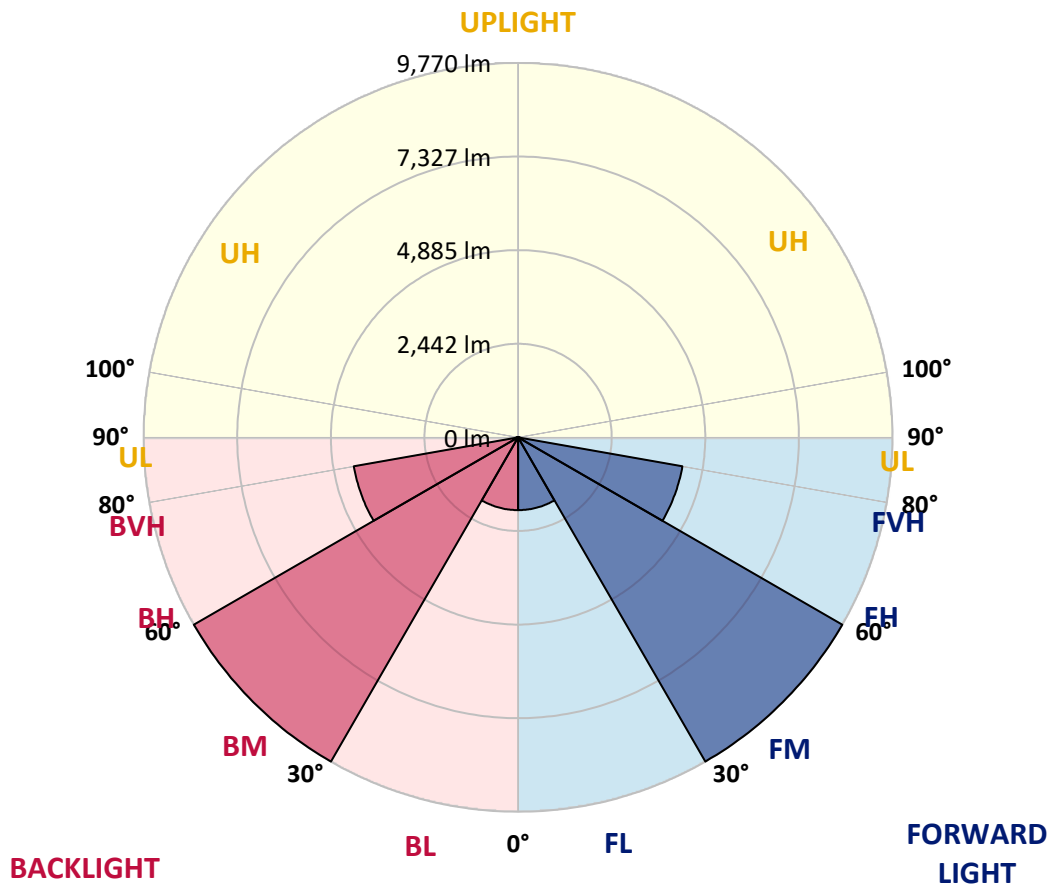
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1899.0	5.9			
FM (30°-60°)	9769.5	30.4			
FH (60°-80°)	4353.6	13.5			G2/5000
FVH (80°-90°)	44.8	0.1			G1/100
BL (0°-30°)	1899.0	5.9	B3/2500		
BM (30°-60°)	9769.5	30.4	B5		
BH (60°-80°)	4353.6	13.5	B4/5000		G2/5000
BVH (80°-90°)	44.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3748.9	3748.9	3748.9	3748.9	3748.9	3748.9	3748.9	3748.9	3748.9	3748.9	3748.9
2.5°	3744.4	3744.4	3753.3	3759.9	3755.5	3773.1	3770.9	3766.5	3764.3	3757.7	3777.5
5°	3795.1	3795.1	3801.7	3808.4	3797.3	3819.4	3810.6	3806.2	3804.0	3795.1	3812.8
7.5°	3852.4	3859.0	3861.3	3872.3	3865.7	3889.9	3883.3	3874.5	3870.1	3859.0	3874.5
10°	3916.4	3920.8	3923.0	3942.8	3945.0	3973.7	3967.0	3956.0	3947.2	3936.2	3958.2
12.5°	4002.3	4004.5	4011.1	4035.4	4042.0	4064.0	4061.8	4046.4	4035.4	4019.9	4044.2
15°	4112.5	4114.7	4125.7	4150.0	4161.0	4187.4	4178.6	4154.4	4138.9	4121.3	4141.1
17.5°	4227.1	4235.9	4246.9	4271.2	4286.6	4317.5	4306.4	4280.0	4266.8	4249.1	4262.4
20°	4374.8	4377.0	4383.6	4410.0	4421.0	4456.3	4458.5	4432.1	4425.5	4407.8	4427.7
22.5°	4537.9	4540.1	4546.7	4575.3	4595.2	4617.2	4630.4	4615.0	4604.0	4581.9	4606.2
25°	4718.6	4740.6	4747.2	4782.5	4804.5	4817.7	4833.2	4826.6	4811.1	4784.7	4795.7
27.5°	4972.0	4976.4	4987.5	5027.1	5040.3	5053.6	5069.0	5071.2	5049.2	5018.3	5033.7
30°	5260.7	5258.5	5282.8	5313.6	5324.6	5335.7	5357.7	5370.9	5342.3	5309.2	5324.6
32.5°	5556.1	5582.5	5613.4	5642.0	5635.4	5639.8	5675.1	5699.3	5659.6	5600.1	5613.4
35°	5888.9	5906.5	5946.2	5988.0	5979.2	5972.6	5994.6	6018.9	5963.8	5886.6	5906.5
37.5°	6230.5	6256.9	6316.4	6367.1	6353.9	6323.0	6347.3	6373.7	6320.8	6232.7	6223.8
40°	6611.7	6653.6	6739.6	6781.4	6746.2	6686.7	6728.5	6792.5	6739.6	6638.2	6613.9
42.5°	7059.1	7109.8	7195.8	7259.7	7182.5	7085.6	7156.1	7248.7	7235.4	7101.0	7059.1
45°	7612.3	7645.4	7751.2	7782.0	7667.4	7533.0	7660.8	7801.8	7768.8	7623.3	7568.2
47.5°	8214.0	8264.7	8357.2	8414.5	8229.4	8061.9	8240.4	8430.0	8394.7	8258.1	8194.1
50°	8980.9	9047.1	9168.3	9216.8	8961.1	8769.4	8998.6	9238.8	9170.5	8987.5	8903.8
52.5°	9816.2	9869.1	10076.3	10173.3	9933.0	9725.9	9926.4	10162.2	10016.8	9774.3	9661.9
55°	10552.3	10605.2	10909.4	11231.1	11220.1	11076.9	11178.2	11182.6	10788.1	10387.0	10268.0
57.5°	10711.0	10763.9	11343.5	12185.4	12780.5	12945.8	12648.2	12022.3	11028.4	10325.3	10190.9
60°	9864.7	9924.2	10845.4	12383.8	14340.8	15445.0	14074.2	12004.7	10285.7	9333.6	9205.7
62.5°	7643.2	7707.1	8945.7	11255.4	14971.2	17946.4	14488.5	10741.9	8460.8	7255.3	7142.9
65°	3649.7	3649.7	5223.3	8072.9	13714.9	17886.9	13289.6	7947.3	5093.2	3911.9	3815.0
67.5°	903.6	908.0	1344.4	3142.8	9329.2	14274.7	9481.2	3815.0	1794.0	1269.5	1236.4
70°	564.2	562.0	623.7	850.7	3264.0	8663.6	3876.7	1150.4	729.5	643.5	639.1
72.5°	438.6	438.6	469.4	544.4	855.1	2951.0	1130.6	639.1	528.9	476.0	476.0
75°	346.0	346.0	368.1	407.7	504.7	760.3	601.7	473.8	409.9	374.7	370.3
77.5°	257.9	262.3	279.9	306.3	343.8	427.6	381.3	357.0	319.6	293.1	284.3
80°	167.5	174.1	196.1	211.6	224.8	282.1	249.0	260.1	242.4	211.6	207.2
82.5°	90.4	92.6	119.0	123.4	127.8	154.3	158.7	165.3	171.9	134.4	125.6
85°	33.1	33.1	39.7	46.3	50.7	55.1	74.9	92.6	97.0	77.1	74.9
87.5°	6.6	6.6	6.6	4.4	4.4	4.4	13.2	24.2	39.7	30.9	30.9
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)