

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: P640985

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31838.6 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

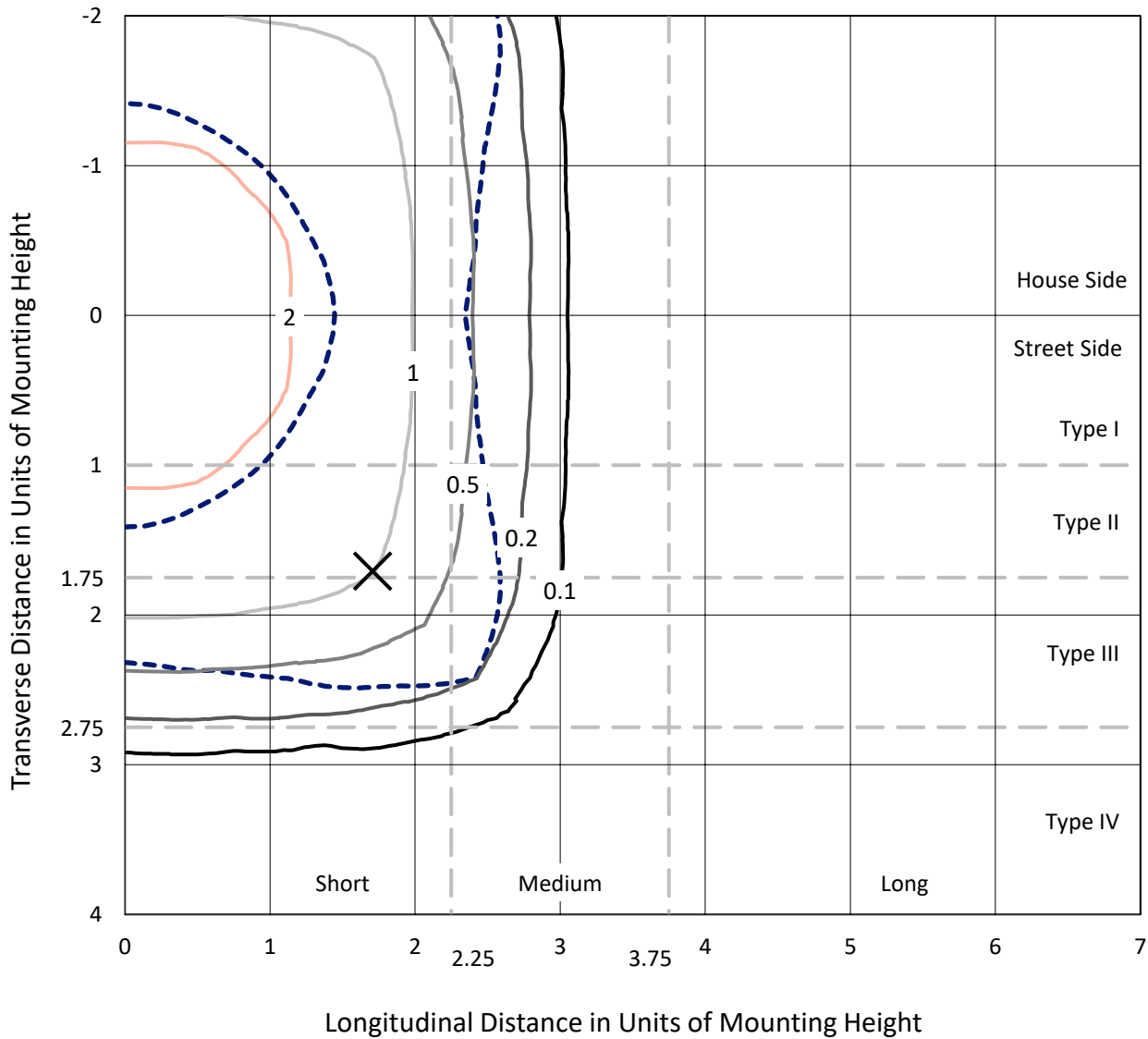
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

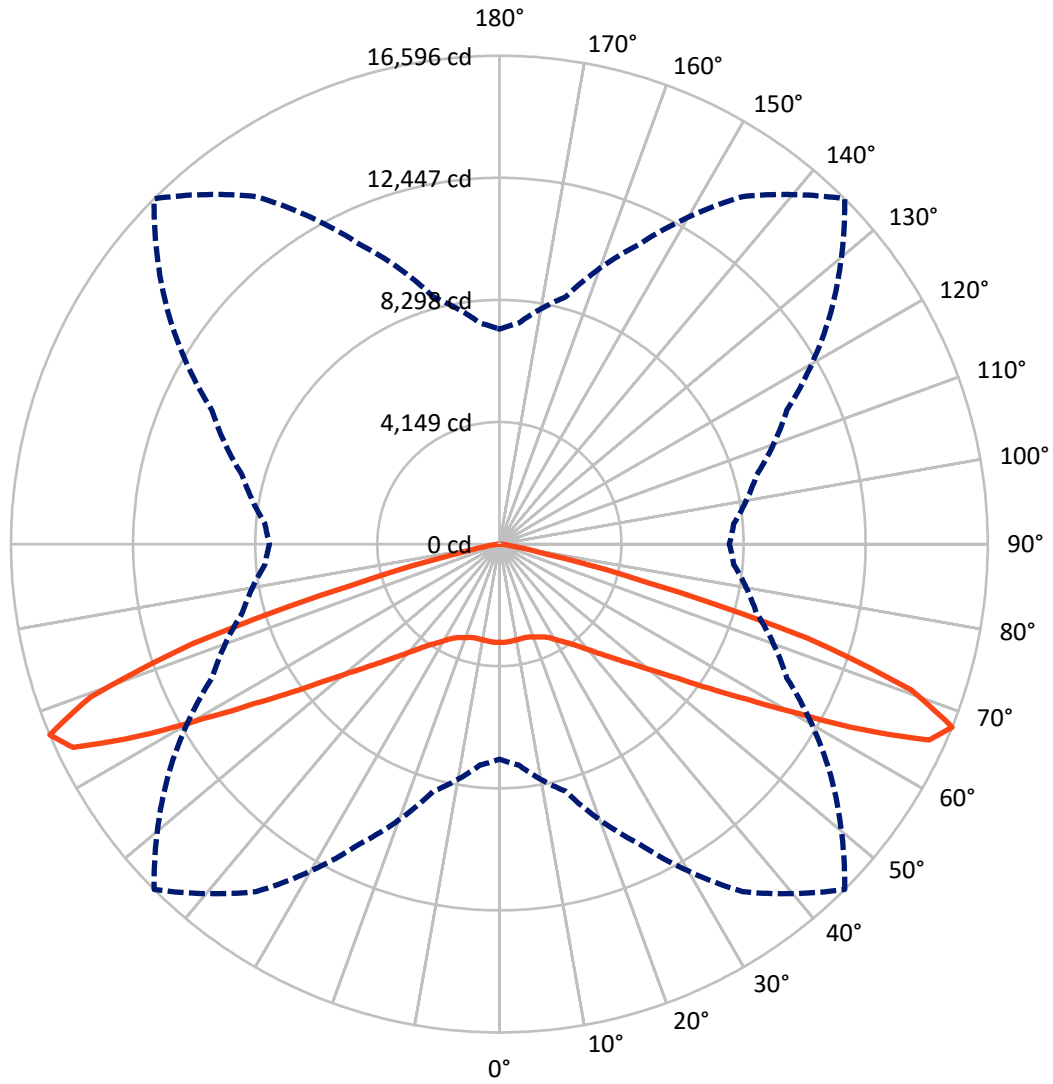
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.7 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	15919.3	0.0	15919.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15919.3	0.0	15919.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	31838.6	0.0	31838.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	1.0
10°-20°	927.0	2.9
20°-30°	1598.7	5.0
30°-40°	2599.6	8.2
40°-50°	4377.2	13.7
50°-60°	7755.5	24.4
60°-70°	11086.0	34.8
70°-80°	3042.7	9.6
80°-90°	136.3	0.4
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°	31838.6	100.0
0°-180°	31838.6	100.0

Coefficient of Utilization



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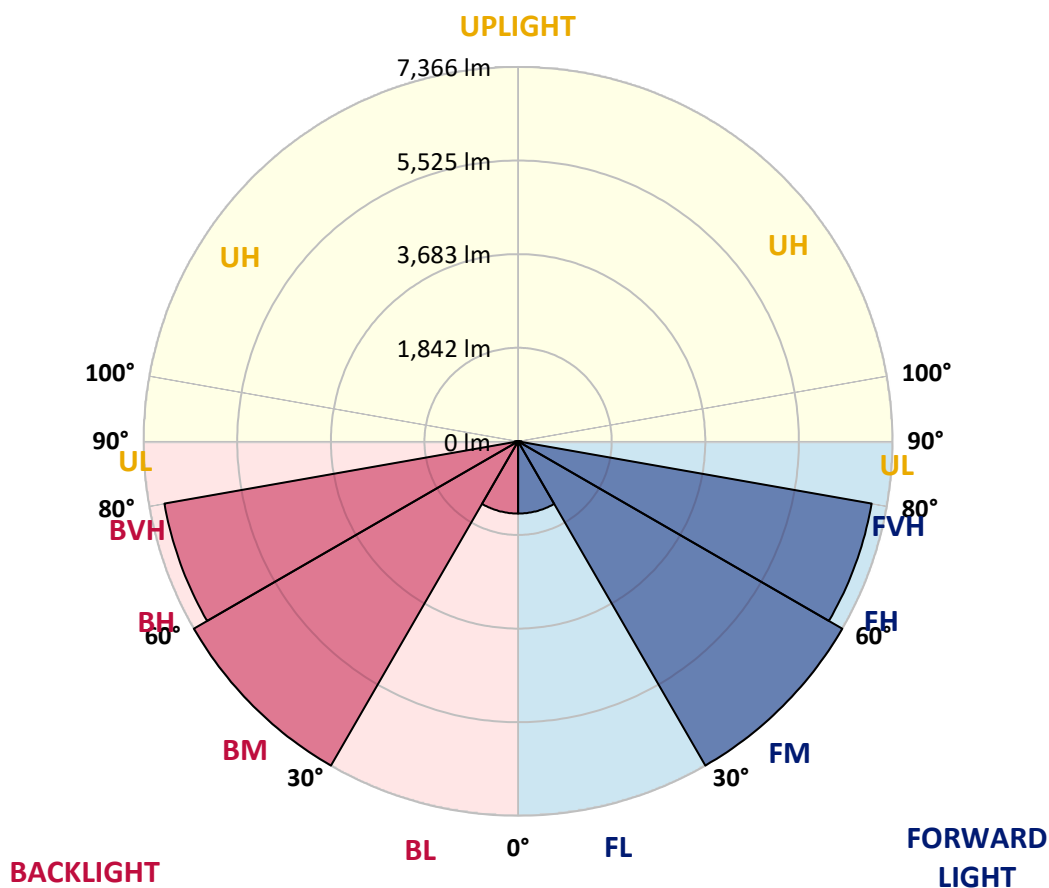
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.6	4.5			
FM (30°-60°)	7366.2	23.1			
FH (60°-80°)	7064.3	22.2			G3/7500
FVH (80°-90°)	68.2	0.2			G1/100
BL (0°-30°)	1420.6	4.5	B3/2500		
BM (30°-60°)	7366.2	23.1	B4/8500		
BH (60°-80°)	7064.3	22.2	B5		G3/7500
BVH (80°-90°)	68.2	0.2			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°	3334.5	3334.5	3334.5	3334.5	3334.5	3334.5	3334.5	3334.5	3334.5	3334.5	3334.5
2.5°	3312.5	3310.3	3321.3	3327.9	3325.7	3341.1	3338.9	3334.5	3334.5	3327.9	3345.6
5°	3312.5	3310.3	3319.1	3321.3	3316.9	3330.1	3325.7	3321.3	3321.3	3312.5	3327.9
7.5°	3294.9	3297.1	3303.7	3308.1	3303.7	3314.7	3308.1	3299.3	3297.1	3288.3	3303.7
10°	3261.8	3264.0	3270.6	3281.6	3283.8	3303.7	3292.7	3277.2	3270.6	3261.8	3277.2
12.5°	3242.0	3244.2	3250.8	3264.0	3268.4	3294.9	3283.8	3259.6	3248.6	3239.8	3255.2
15°	3237.6	3239.8	3248.6	3261.8	3268.4	3294.9	3283.8	3255.2	3239.8	3228.7	3242.0
17.5°	3237.6	3242.0	3255.2	3275.0	3288.3	3314.7	3301.5	3268.4	3246.4	3226.5	3239.8
20°	3239.8	3246.4	3266.2	3294.9	3327.9	3365.4	3347.8	3303.7	3272.8	3248.6	3257.4
22.5°	3259.6	3270.6	3294.9	3332.3	3380.8	3424.9	3409.5	3350.0	3305.9	3272.8	3281.6
25°	3327.9	3332.3	3363.2	3411.7	3458.0	3495.4	3480.0	3424.9	3369.8	3330.1	3341.1
27.5°	3449.1	3460.2	3486.6	3537.3	3577.0	3596.8	3594.6	3557.1	3502.0	3466.8	3475.6
30°	3594.6	3605.6	3640.9	3698.2	3737.8	3759.9	3753.3	3724.6	3673.9	3625.4	3634.3
32.5°	3764.3	3768.7	3810.6	3874.5	3916.4	3949.4	3927.4	3896.5	3832.6	3775.3	3779.7
35°	3980.3	3986.9	4031.0	4090.5	4123.5	4150.0	4145.6	4114.7	4046.4	3984.7	4000.1
37.5°	4251.4	4255.8	4295.4	4370.4	4396.8	4416.7	4421.1	4405.6	4335.1	4255.8	4271.2
40°	4588.6	4590.8	4634.8	4701.0	4729.6	4742.8	4745.0	4747.2	4674.5	4615.0	4610.6
42.5°	4980.9	4991.9	5053.6	5117.5	5130.7	5124.1	5146.2	5168.2	5097.7	5016.1	5022.7
45°	5450.3	5456.9	5540.7	5611.2	5586.9	5564.9	5606.8	5650.9	5586.9	5481.2	5450.3
47.5°	6005.7	6018.9	6109.3	6179.8	6140.1	6100.5	6168.8	6215.1	6111.5	5999.1	5970.4
50°	6633.8	6642.6	6770.4	6858.6	6812.3	6739.6	6825.5	6874.0	6735.2	6596.3	6534.6
52.5°	7376.5	7358.9	7528.6	7682.9	7654.2	7559.4	7630.0	7638.8	7431.6	7235.5	7173.8
55°	8282.3	8264.7	8434.4	8604.1	8674.6	8650.4	8617.3	8564.4	8258.1	8048.7	7991.4
57.5°	9338.0	9282.9	9520.9	9750.1	9904.4	9948.5	9807.4	9684.0	9441.6	9183.7	9117.6
60°	10318.8	10316.6	10693.4	11090.1	11513.3	11689.6	11332.6	10997.6	10453.2	9983.8	9889.0
62.5°	10594.2	10640.5	11257.6	12240.6	13285.2	13908.9	12967.9	11859.3	10808.0	10100.6	9974.9
65°	9915.4	10030.0	10907.2	12458.8	14521.6	16046.7	13922.2	11879.1	10413.5	9532.0	9399.7
67.5°	7308.2	7537.4	8698.9	11242.2	14415.8	16595.5	13752.5	10779.4	9044.9	7995.8	7812.9
70°	3605.6	3823.8	4745.0	7396.4	11861.5	14834.6	11899.0	8123.7	6109.3	5099.9	4932.4
72.5°	1326.8	1414.9	1776.4	3164.8	6545.6	10957.9	8136.9	4537.9	2959.9	2356.0	2243.6
75°	650.2	665.6	720.7	1062.3	2415.5	5157.2	3823.8	1741.1	1088.7	947.7	916.8
77.5°	414.3	420.9	447.4	506.9	775.8	1624.3	1159.3	687.6	533.3	511.3	511.3
80°	231.4	238.0	273.3	315.2	363.6	557.6	416.5	412.1	350.4	306.3	299.7
82.5°	110.2	121.2	174.1	171.9	191.7	279.9	244.6	222.6	224.8	169.7	160.9
85°	50.7	50.7	68.3	81.5	86.0	94.8	112.4	127.8	125.6	86.0	92.6
87.5°	24.2	24.2	24.2	22.0	19.8	17.6	24.2	39.7	57.3	39.7	37.5
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)