

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: P640983

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18784.4 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

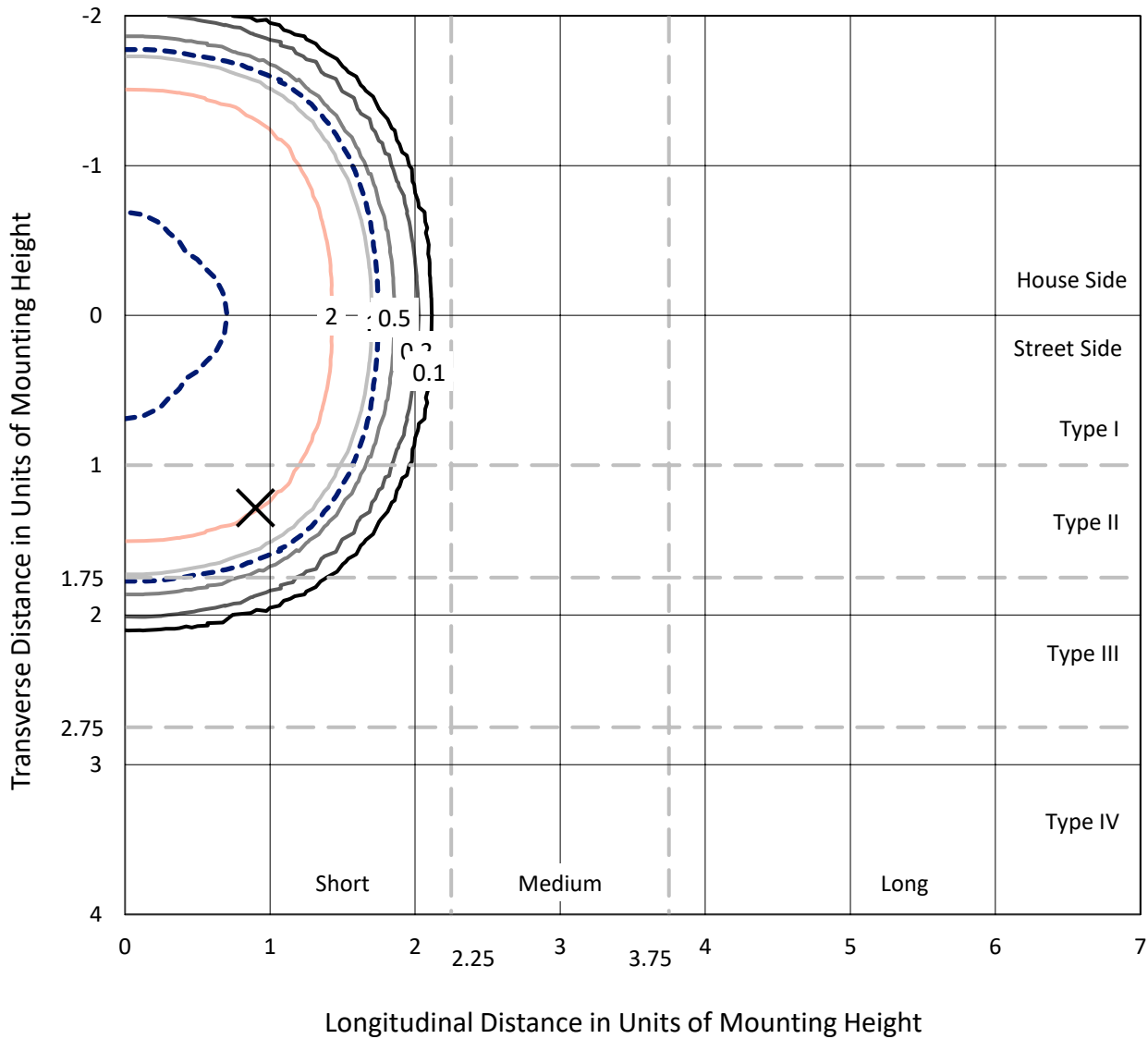
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

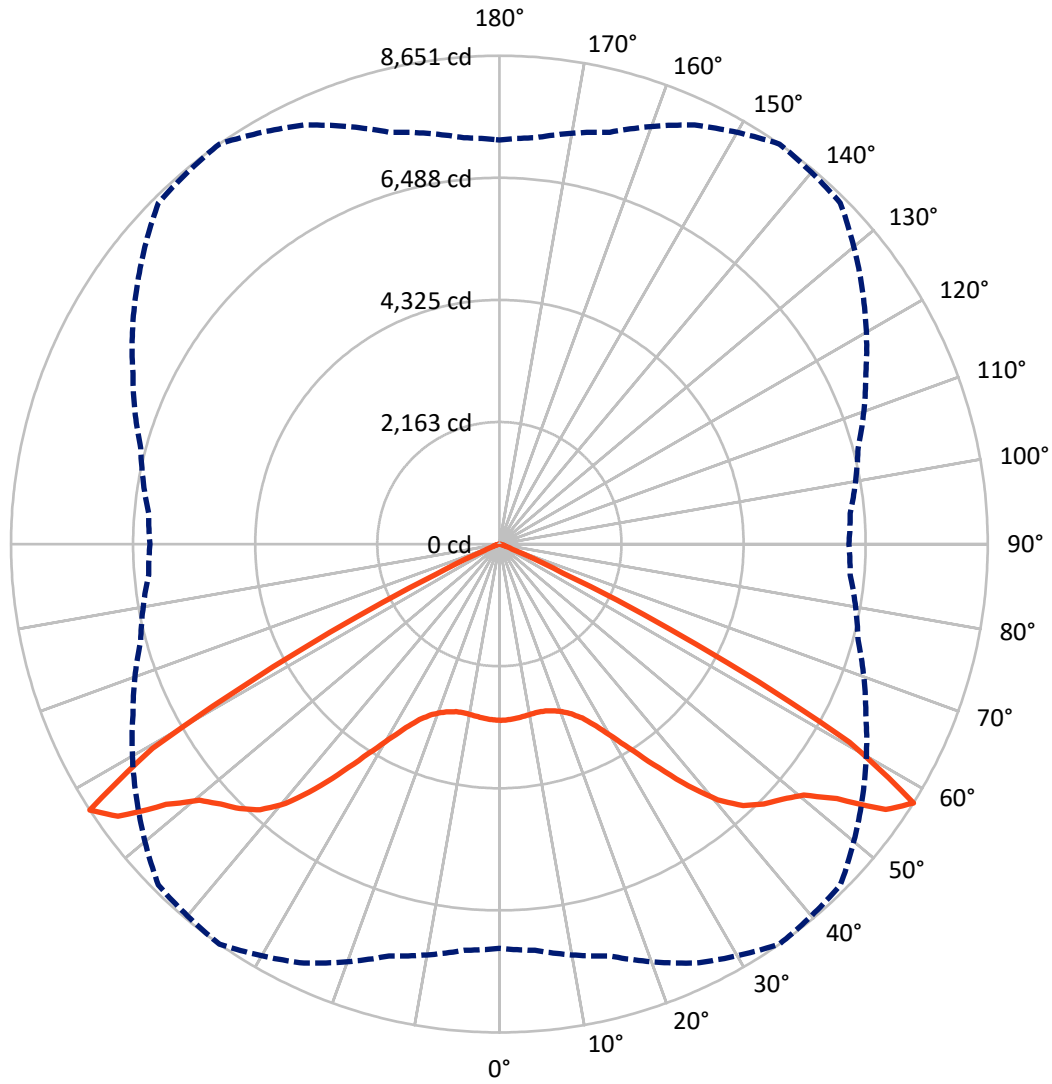
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9392.2	0.0	9392.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9392.2	0.0	9392.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18784.4	0.0	18784.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	1.6
10°-20°	865.5	4.6
20°-30°	1564.5	8.3
30°-40°	2918.7	15.5
40°-50°	4896.2	26.1
50°-60°	6465.9	34.4
60°-70°	1717.2	9.1
70°-80°	61.0	0.3
80°-90°	1.1	0.0
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°	18784.4	100.0
0°-180°	18784.4	100.0

Coefficient of Utilization



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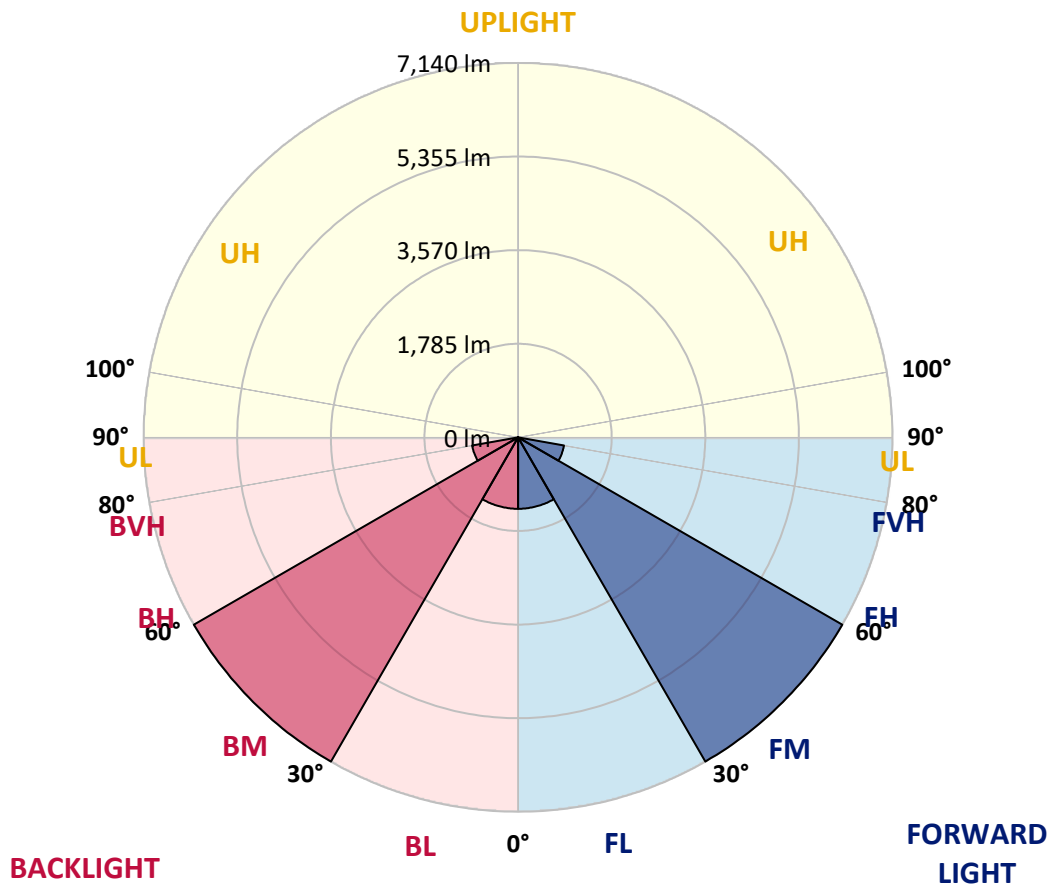
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1362.1	7.3			
FM (30°-60°)	7140.4	38.0			
FH (60°-80°)	889.1	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1362.1	7.3	B3/2500		
BM (30°-60°)	7140.4	38.0	B4/8500		
BH (60°-80°)	889.1	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3123.1	3123.1	3123.1	3123.1	3123.1	3123.1	3123.1	3123.1	3123.1	3123.1	3123.1
2.5°	3101.0	3098.8	3107.6	3114.3	3114.3	3129.7	3125.3	3120.9	3116.5	3109.9	3125.3
5°	3096.6	3094.4	3101.0	3105.4	3101.0	3114.3	3105.4	3096.6	3092.2	3083.4	3101.0
7.5°	3076.8	3079.0	3083.4	3087.8	3081.2	3092.2	3081.2	3068.0	3057.0	3048.1	3063.6
10°	3045.9	3048.1	3052.5	3061.4	3063.6	3079.0	3063.6	3039.3	3023.9	3010.7	3026.1
12.5°	3030.5	3032.7	3039.3	3050.3	3052.5	3072.4	3052.5	3017.3	2995.2	2979.8	2995.2
15°	3034.9	3039.3	3048.1	3061.4	3065.8	3085.6	3059.2	3012.9	2982.0	2962.2	2975.4
17.5°	3050.3	3054.8	3068.0	3090.0	3105.4	3125.3	3092.2	3032.7	2990.8	2962.2	2975.4
20°	3070.2	3076.8	3098.8	3134.1	3167.2	3202.4	3160.5	3079.0	3023.9	2988.6	2999.7
22.5°	3125.3	3131.9	3162.7	3209.0	3264.1	3308.2	3257.5	3153.9	3079.0	3032.7	3043.7
25°	3237.7	3244.3	3284.0	3343.5	3414.0	3471.3	3407.4	3277.4	3180.4	3127.5	3131.9
27.5°	3414.0	3420.6	3466.9	3550.7	3645.4	3727.0	3634.4	3482.3	3372.1	3310.4	3310.4
30°	3636.6	3645.4	3707.1	3819.5	3967.2	4075.2	3949.6	3764.4	3623.4	3539.6	3541.8
32.5°	3923.1	3914.3	4002.5	4156.8	4366.1	4509.4	4324.3	4099.4	3925.3	3808.5	3819.5
35°	4291.2	4289.0	4388.2	4597.6	4870.9	5042.8	4822.4	4531.4	4322.1	4203.0	4205.2
37.5°	4765.1	4762.9	4877.5	5104.5	5432.9	5576.1	5329.3	5033.9	4809.1	4694.5	4707.8
40°	5320.5	5307.2	5408.6	5626.8	5955.2	6047.8	5778.9	5540.9	5324.9	5252.1	5287.4
42.5°	5849.4	5820.8	5880.3	6078.6	6332.1	6345.3	6142.6	5979.5	5831.8	5774.5	5796.5
45°	6274.8	6252.8	6307.9	6422.5	6567.9	6501.8	6404.8	6354.1	6235.1	6173.4	6193.3
47.5°	6592.2	6592.2	6658.3	6728.8	6750.9	6629.6	6645.1	6645.1	6526.1	6429.1	6404.8
50°	6865.5	6885.3	6984.5	7057.2	6984.5	6830.2	6918.4	6900.7	6658.3	6464.3	6413.7
52.5°	7301.9	7321.7	7473.8	7573.0	7491.4	7339.3	7350.4	7130.0	6772.9	6543.7	6464.3
55°	7764.7	7813.2	8033.6	8298.1	8300.3	8143.8	7852.9	7462.8	7028.6	6779.5	6698.0
57.5°	7158.6	7224.7	7553.1	8190.1	8650.7	8542.7	7848.5	7163.0	6576.8	6237.3	6191.1
60°	4926.0	5040.6	5369.0	6239.5	7127.8	7169.6	6349.7	5580.5	4908.3	4489.6	4498.4
62.5°	2080.6	2197.4	2382.5	3098.8	3914.3	3965.0	3568.3	3017.3	2468.5	2166.5	2212.8
65°	489.3	522.3	577.4	857.4	1243.1	1300.4	1199.0	934.5	689.9	584.1	595.1
67.5°	213.8	218.2	207.2	220.4	273.3	279.9	271.1	238.0	224.8	229.2	229.2
70°	149.9	152.1	143.3	136.6	130.0	121.2	125.6	138.9	149.9	158.7	156.5
72.5°	92.6	94.8	97.0	97.0	90.4	81.5	86.0	94.8	97.0	99.2	97.0
75°	46.3	48.5	52.9	55.1	52.9	50.7	50.7	52.9	52.9	50.7	50.7
77.5°	8.8	11.0	15.4	17.6	17.6	17.6	17.6	17.6	19.8	17.6	17.6
80°	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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)