

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: P639996

Luminaire Tested: GWS-SA5D-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 15571.1 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

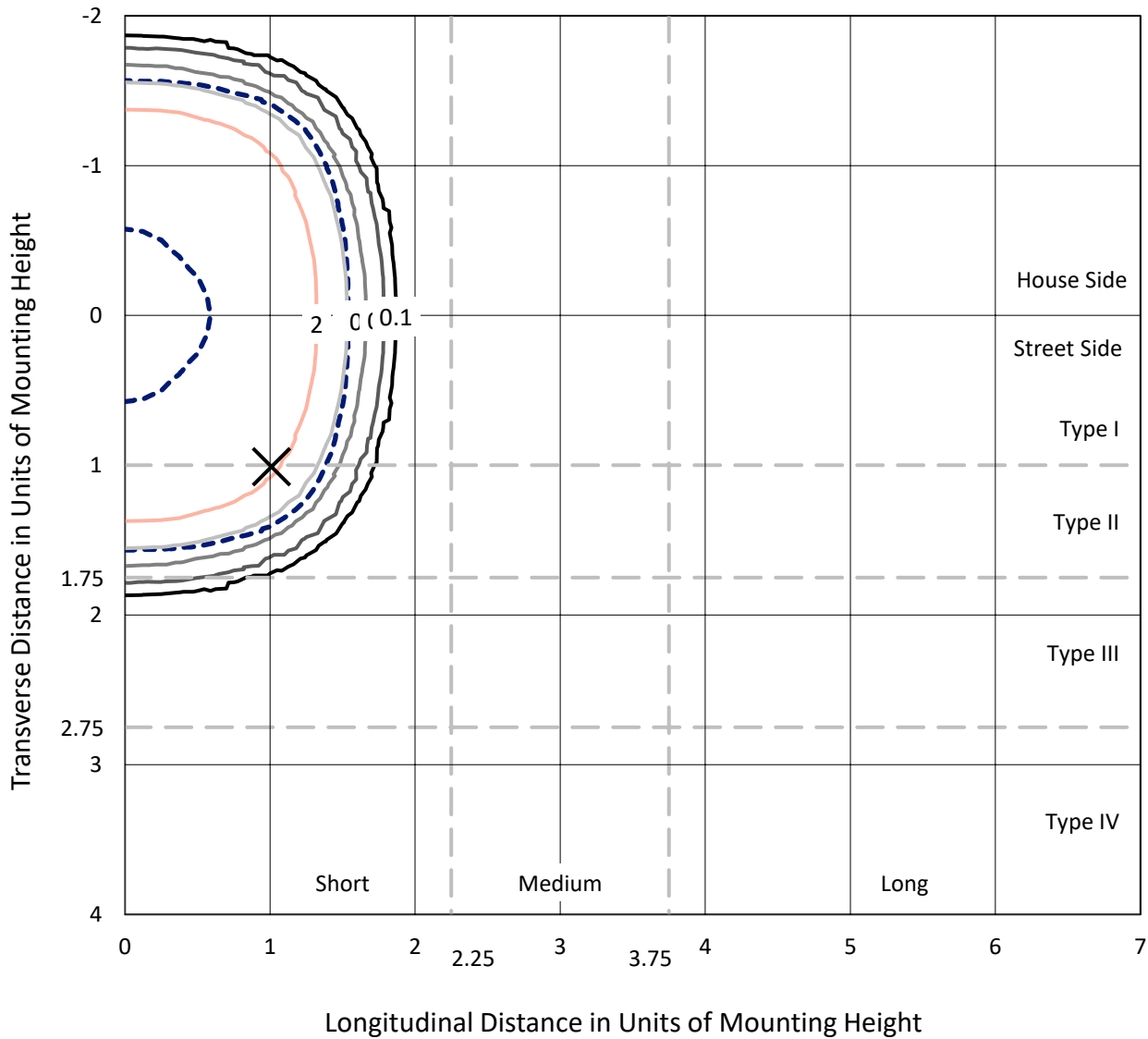
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

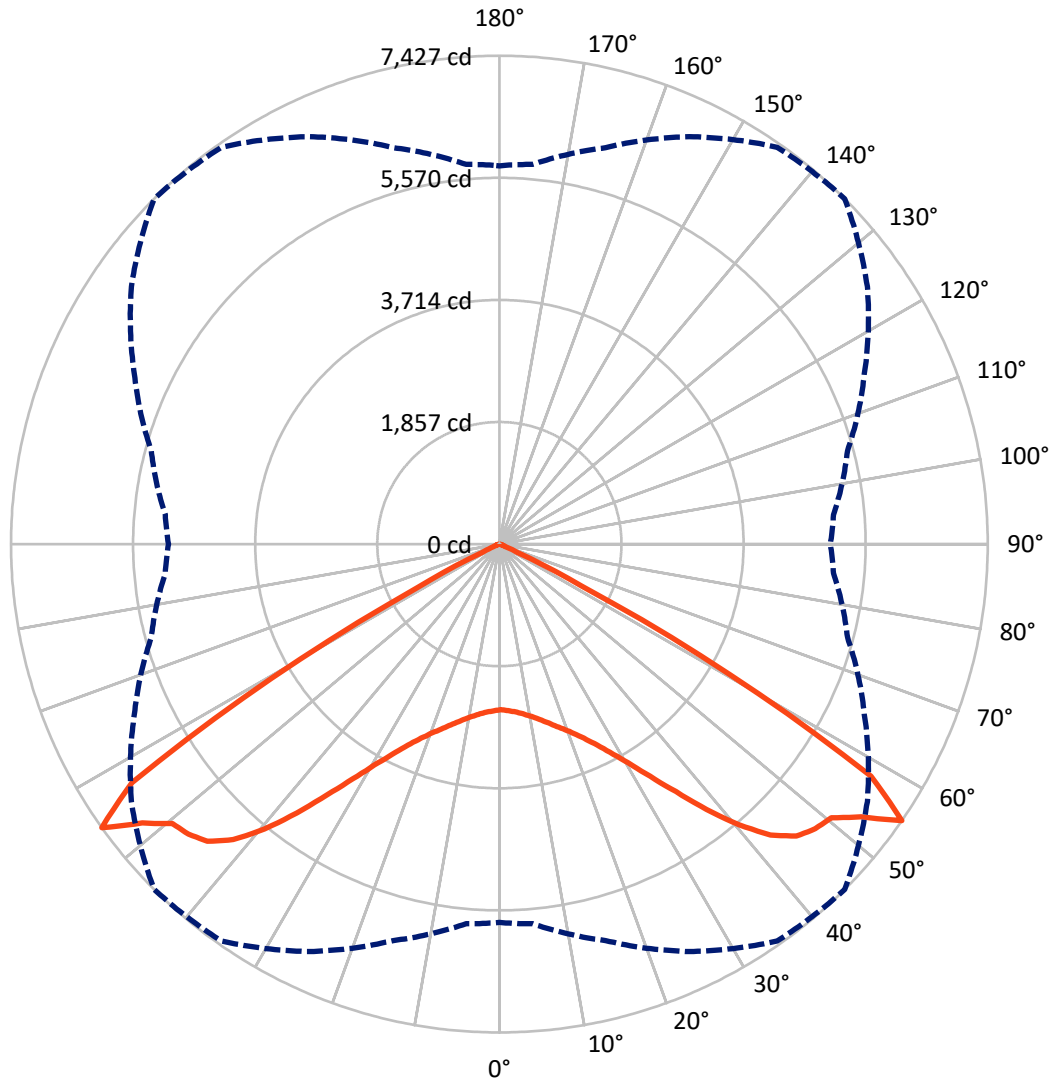
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7785.6	0.0	7785.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7785.6	0.0	7785.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15571.1	0.0	15571.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.7	1.6
10°-20°	799.6	5.1
20°-30°	1548.5	9.9
30°-40°	2774.2	17.8
40°-50°	4651.1	29.9
50°-60°	4978.8	32.0
60°-70°	547.1	3.5
70°-80°	24.1	0.2
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°	15571.1	100.0
0°-180°	15571.1	100.0

Coefficient of Utilization



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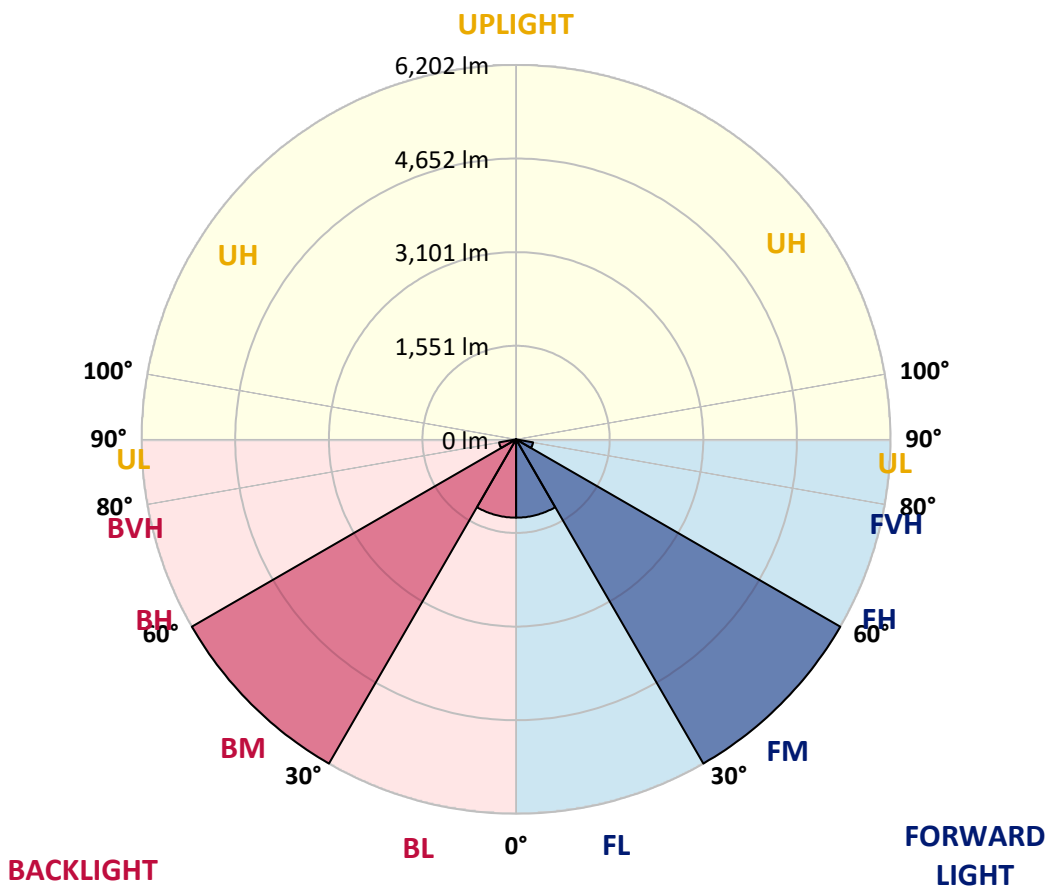
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1297.4	8.3			
FM (30°-60°)	6202.0	39.8			
FH (60°-80°)	285.6	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1297.4	8.3	B3/2500		
BM (30°-60°)	6202.0	39.8	B4/8500		
BH (60°-80°)	285.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2517.5	2517.5	2517.5	2517.5	2517.5	2517.5	2517.5	2517.5	2517.5	2517.5	2517.5
2.5°	2512.8	2512.8	2519.1	2523.9	2523.9	2536.6	2531.8	2527.1	2527.1	2520.7	2533.4
5°	2549.3	2547.7	2554.0	2557.2	2550.9	2563.6	2555.6	2550.9	2547.7	2541.3	2554.0
7.5°	2588.9	2590.5	2592.1	2598.5	2595.3	2608.0	2601.6	2592.1	2588.9	2579.4	2592.1
10°	2636.5	2636.5	2639.7	2647.6	2649.2	2665.1	2658.7	2647.6	2638.1	2628.6	2641.3
12.5°	2696.8	2698.4	2703.2	2714.3	2720.6	2738.1	2728.5	2706.3	2692.0	2680.9	2695.2
15°	2784.1	2782.5	2788.8	2804.7	2812.6	2825.3	2811.0	2780.9	2763.4	2750.7	2760.3
17.5°	2879.2	2879.2	2882.4	2898.3	2909.4	2928.4	2911.0	2874.5	2858.6	2841.2	2850.7
20°	2983.9	2988.7	2991.9	3003.0	3022.0	3041.0	3026.8	2990.3	2972.8	2950.6	2961.7
22.5°	3121.9	3117.2	3118.8	3137.8	3164.8	3183.8	3172.7	3129.9	3099.7	3082.3	3088.6
25°	3275.8	3274.2	3279.0	3307.6	3337.7	3358.3	3342.5	3286.9	3256.8	3226.6	3239.3
27.5°	3464.6	3466.2	3469.4	3504.3	3551.9	3582.0	3542.3	3486.8	3445.6	3405.9	3415.4
30°	3688.3	3685.1	3694.6	3742.2	3812.0	3859.6	3813.6	3735.9	3677.2	3639.1	3643.9
32.5°	3926.2	3929.4	3954.8	4030.9	4122.9	4207.0	4113.4	4010.3	3934.2	3862.8	3872.3
35°	4183.2	4191.2	4248.3	4360.9	4511.6	4624.2	4494.1	4324.4	4216.5	4124.5	4127.7
37.5°	4486.2	4505.3	4584.6	4752.7	4968.5	5119.2	4928.8	4703.5	4563.9	4449.7	4441.8
40°	4884.4	4906.6	5014.5	5214.4	5476.1	5614.1	5393.6	5162.0	4989.1	4865.4	4846.3
42.5°	5341.3	5369.8	5487.2	5691.8	5953.6	6047.2	5831.4	5636.3	5480.9	5334.9	5328.6
45°	5856.8	5872.7	5967.9	6124.9	6313.7	6335.9	6174.1	6066.2	5909.2	5772.7	5761.6
47.5°	6340.7	6356.5	6421.6	6502.5	6546.9	6467.6	6439.0	6391.4	6188.4	6020.2	5985.3
50°	6708.7	6721.4	6802.3	6834.0	6710.3	6542.1	6597.7	6496.1	6275.6	6086.8	6032.9
52.5°	6683.3	6715.0	6922.9	7103.7	7026.0	6889.5	6740.4	6521.5	6178.9	5920.3	5853.7
55°	5753.7	5796.5	6242.3	6837.2	7368.6	7427.3	6830.8	6124.9	5480.9	5101.7	5033.5
57.5°	3697.8	3708.9	4253.0	5087.4	6285.1	6662.7	5664.9	4617.9	3816.8	3399.6	3371.0
60°	1359.5	1337.3	1748.2	2439.8	3620.1	4019.8	3334.5	2335.1	1665.7	1370.6	1346.8
62.5°	326.8	330.0	409.3	613.9	1135.8	1405.5	1110.4	620.3	395.0	331.5	328.4
65°	165.0	161.8	163.4	176.1	242.7	290.3	238.0	168.2	161.8	163.4	161.8
67.5°	106.3	104.7	107.9	109.5	107.9	101.5	99.9	103.1	103.1	104.7	101.5
70°	65.0	63.5	66.6	71.4	68.2	60.3	63.5	66.6	63.5	61.9	61.9
72.5°	34.9	34.9	38.1	41.2	38.1	34.9	34.9	36.5	34.9	34.9	34.9
75°	15.9	15.9	17.4	19.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9
77.5°	4.8	4.8	6.3	6.3	4.8	4.8	4.8	4.8	6.3	6.3	6.3
80°	1.6	3.2	3.2	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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)