

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: P639995

Luminaire Tested: GWS-SA5D-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639995
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-SA5D-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: 22915.6 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

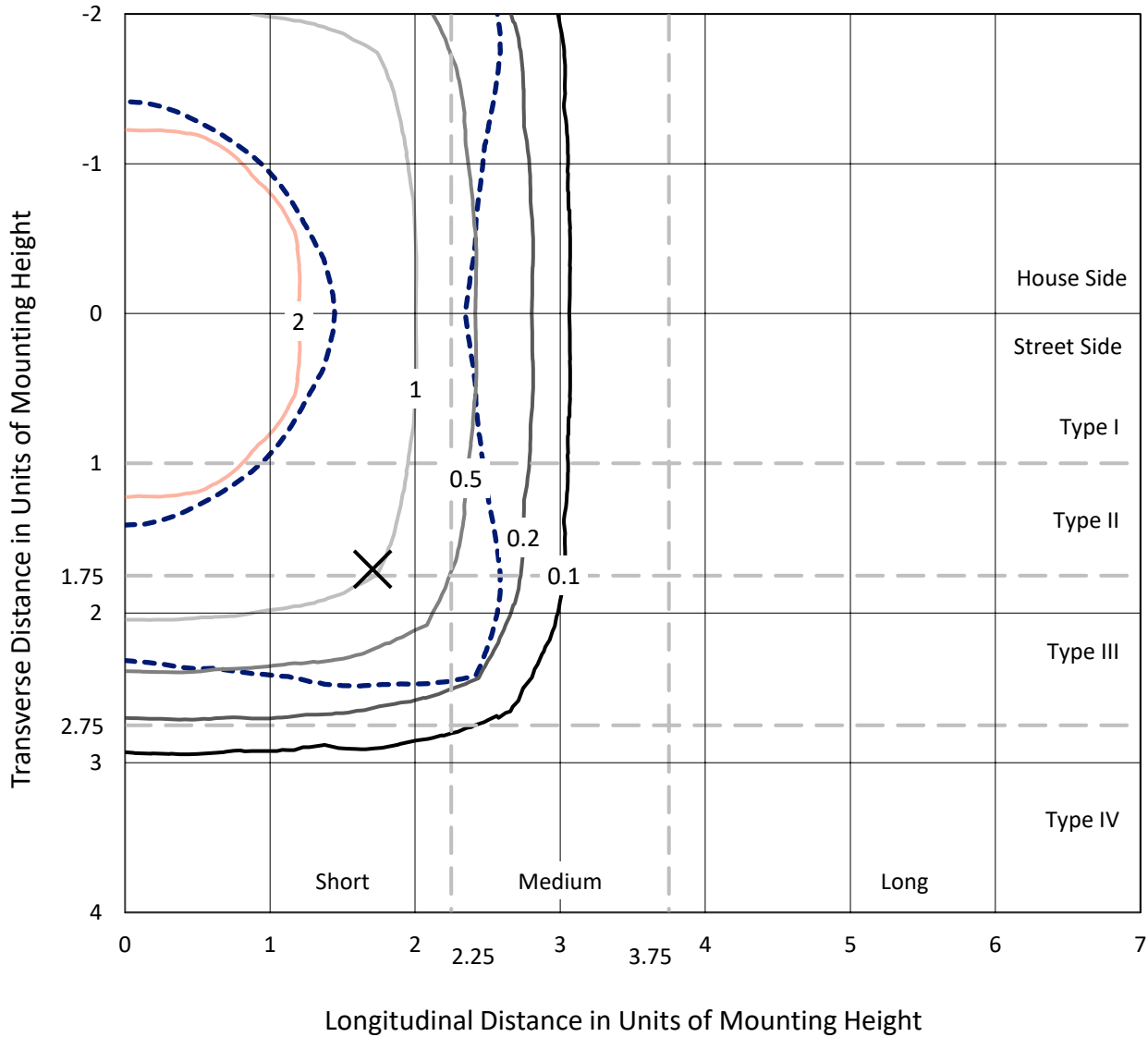
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639995
 CATALOG NUMBER: GWS-SA5D-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

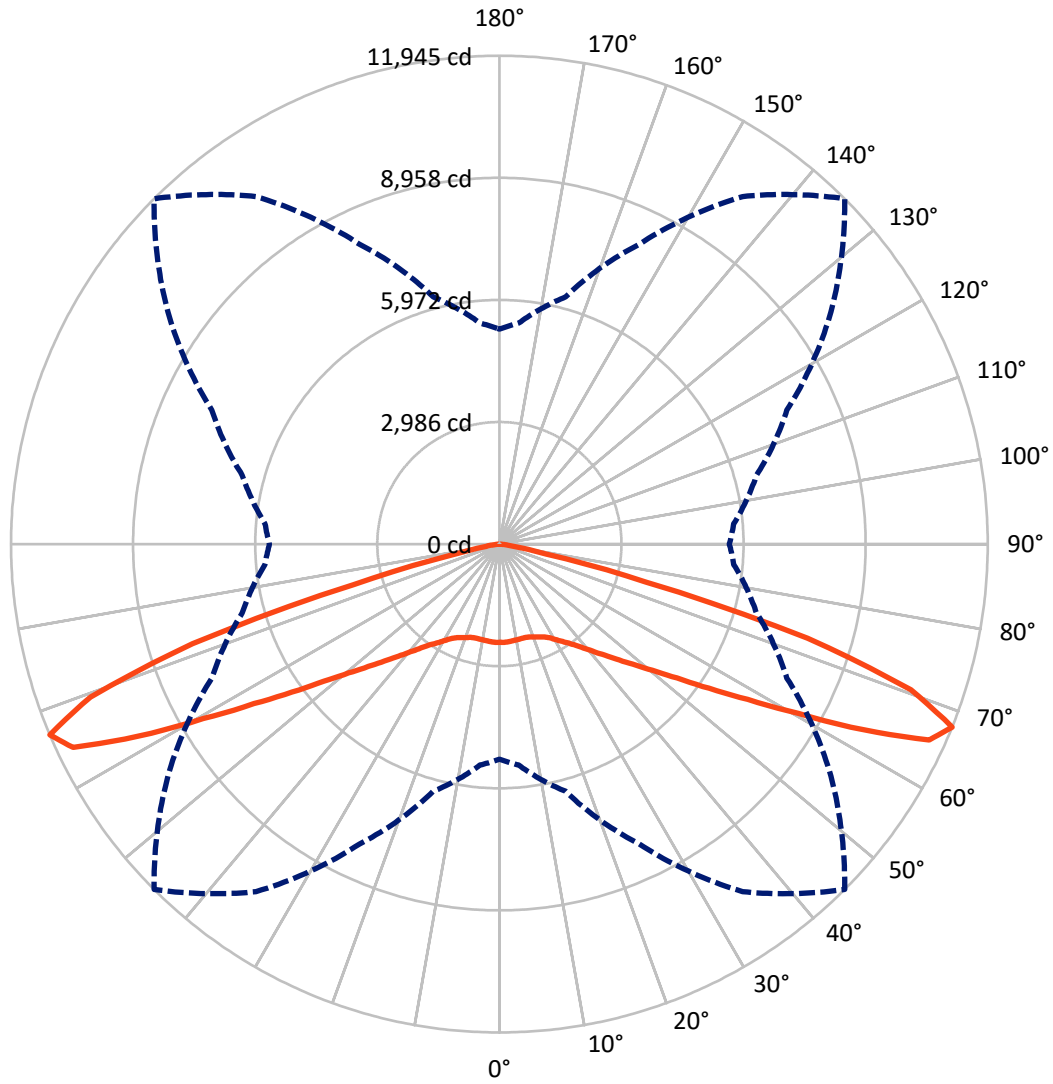
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

REPORT NUMBER: P639995
CATALOG NUMBER: GWS-SA5D-722-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639995

CATALOG NUMBER: GWS-SA5D-722-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11457.8	0.0	11457.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11457.8	0.0	11457.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	22915.6	0.0	22915.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	1.0
10°-20°	667.2	2.9
20°-30°	1150.7	5.0
30°-40°	1871.0	8.2
40°-50°	3150.4	13.7
50°-60°	5582.0	24.4
60°-70°	7979.1	34.8
70°-80°	2189.9	9.6
80°-90°	98.1	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°	22915.6	100.0
0°-180°	22915.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639995

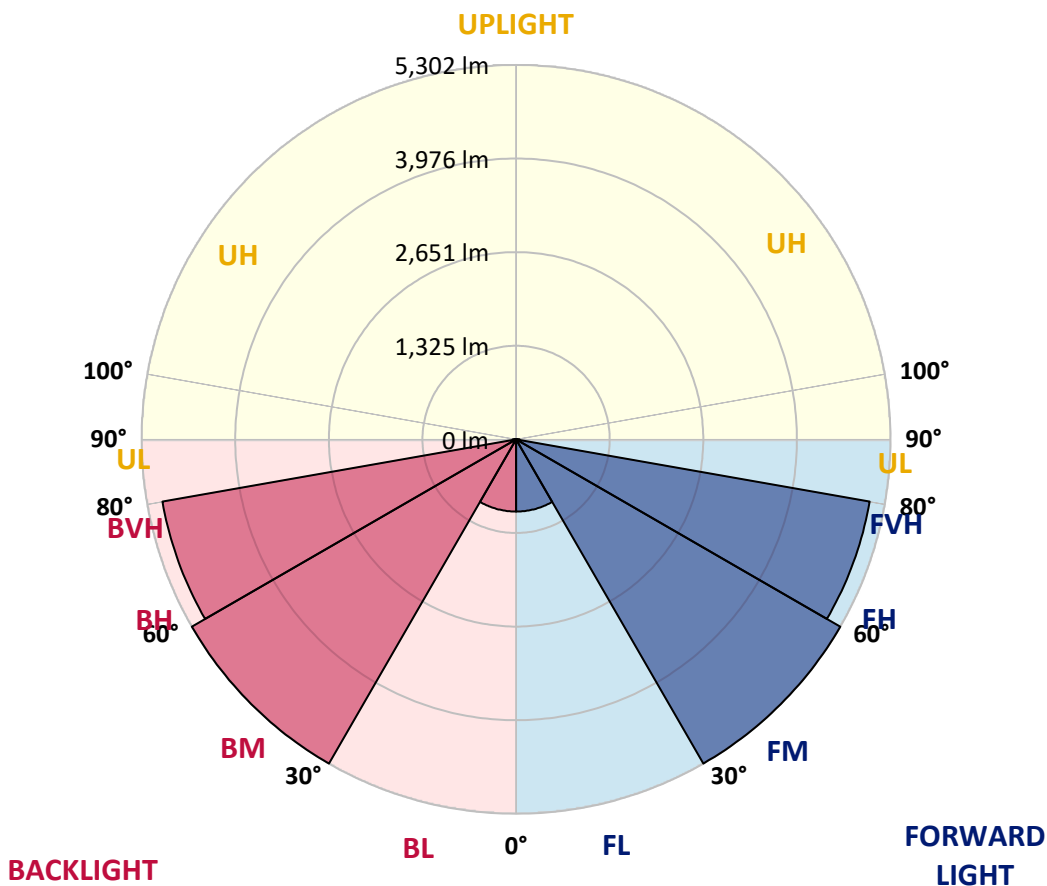
CATALOG NUMBER: GWS-SA5D-722-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1022.5	4.5			
FM (30°-60°)	5301.7	23.1			
FH (60°-80°)	5084.5	22.2			G3/7500
FVH (80°-90°)	49.1	0.2			G1/100
BL (0°-30°)	1022.5	4.5	B3/2500		
BM (30°-60°)	5301.7	23.1	B4/8500		
BH (60°-80°)	5084.5	22.2	B5		G3/7500
BVH (80°-90°)	49.1	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





REPORT NUMBER: P639995
 CATALOG NUMBER: GWS-SA5D-722-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0
2.5°	2384.1	2382.6	2390.5	2395.2	2393.7	2404.8	2403.2	2400.0	2400.0	2395.2	2407.9
5°	2384.1	2382.6	2388.9	2390.5	2387.3	2396.8	2393.7	2390.5	2390.5	2384.1	2395.2
7.5°	2371.5	2373.0	2377.8	2381.0	2377.8	2385.7	2381.0	2374.6	2373.0	2366.7	2377.8
10°	2347.7	2349.2	2354.0	2361.9	2363.5	2377.8	2369.9	2358.8	2354.0	2347.7	2358.8
12.5°	2333.4	2335.0	2339.7	2349.2	2352.4	2371.5	2363.5	2346.1	2338.1	2331.8	2342.9
15°	2330.2	2331.8	2338.1	2347.7	2352.4	2371.5	2363.5	2342.9	2331.8	2323.9	2333.4
17.5°	2330.2	2333.4	2342.9	2357.2	2366.7	2385.7	2376.2	2352.4	2336.6	2322.3	2331.8
20°	2331.8	2336.6	2350.8	2371.5	2395.2	2422.2	2409.5	2377.8	2355.6	2338.1	2344.5
22.5°	2346.1	2354.0	2371.5	2398.4	2433.3	2465.0	2453.9	2411.1	2379.4	2355.6	2361.9
25°	2395.2	2398.4	2420.6	2455.5	2488.8	2515.8	2504.7	2465.0	2425.4	2396.8	2404.8
27.5°	2482.5	2490.4	2509.5	2545.9	2574.5	2588.8	2587.2	2560.2	2520.6	2495.2	2501.5
30°	2587.2	2595.1	2620.5	2661.7	2690.3	2706.2	2701.4	2680.8	2644.3	2609.4	2615.7
32.5°	2709.3	2712.5	2742.6	2788.6	2818.8	2842.6	2826.7	2804.5	2758.5	2717.3	2720.4
35°	2864.8	2869.5	2901.3	2944.1	2967.9	2986.9	2983.7	2961.5	2912.4	2868.0	2879.1
37.5°	3059.9	3063.1	3091.6	3145.5	3164.6	3178.9	3182.0	3170.9	3120.2	3063.1	3074.2
40°	3302.6	3304.2	3335.9	3383.5	3404.1	3413.6	3415.2	3416.8	3364.4	3321.6	3318.4
42.5°	3584.9	3592.9	3637.3	3683.3	3692.8	3688.0	3703.9	3719.8	3669.0	3610.3	3615.1
45°	3922.8	3927.6	3987.8	4038.6	4021.2	4005.3	4035.4	4067.2	4021.2	3945.0	3922.8
47.5°	4322.5	4332.1	4397.1	4447.9	4419.3	4390.8	4439.9	4473.2	4398.7	4317.8	4297.2
50°	4774.6	4781.0	4873.0	4936.4	4903.1	4850.8	4912.6	4947.5	4847.6	4747.7	4703.2
52.5°	5309.2	5296.5	5418.7	5529.7	5509.1	5440.9	5491.6	5498.0	5348.9	5207.7	5163.3
55°	5961.2	5948.5	6070.6	6192.7	6243.5	6226.1	6202.3	6164.2	5943.7	5793.0	5751.8
57.5°	6721.0	6681.3	6852.6	7017.6	7128.6	7160.4	7058.8	6970.0	6795.5	6609.9	6562.3
60°	7426.9	7425.3	7696.5	7982.0	8286.6	8413.5	8156.5	7915.4	7523.6	7185.7	7117.5
62.5°	7625.1	7658.4	8102.6	8810.1	9562.0	10010.9	9333.5	8535.6	7779.0	7269.8	7179.4
65°	7136.6	7219.1	7850.4	8967.1	10451.8	11549.5	10020.4	8549.9	7495.1	6860.6	6765.4
67.5°	5260.0	5425.0	6261.0	8091.5	10375.7	11944.5	9898.2	7758.4	6510.0	5754.9	5623.3
70°	2595.1	2752.2	3415.2	5323.5	8537.2	10677.1	8564.2	5846.9	4397.1	3670.6	3550.0
72.5°	954.9	1018.4	1278.5	2277.9	4711.2	7886.9	5856.5	3266.1	2130.3	1695.7	1614.8
75°	467.9	479.0	518.7	764.6	1738.5	3711.8	2752.2	1253.1	783.6	682.1	659.9
77.5°	298.2	303.0	322.0	364.8	558.4	1169.1	834.4	494.9	383.9	368.0	368.0
80°	166.6	171.3	196.7	226.8	261.7	401.3	299.8	296.6	252.2	220.5	215.7
82.5°	79.3	87.2	125.3	123.7	138.0	201.5	176.1	160.2	161.8	122.1	115.8
85°	36.5	36.5	49.2	58.7	61.9	68.2	80.9	92.0	90.4	61.9	66.6
87.5°	17.4	17.4	17.4	15.9	14.3	12.7	17.4	28.6	41.2	28.6	27.0
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)