

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: P642470

Luminaire Tested: GWS-SA6D-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642470
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-SA6D-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27325.2 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

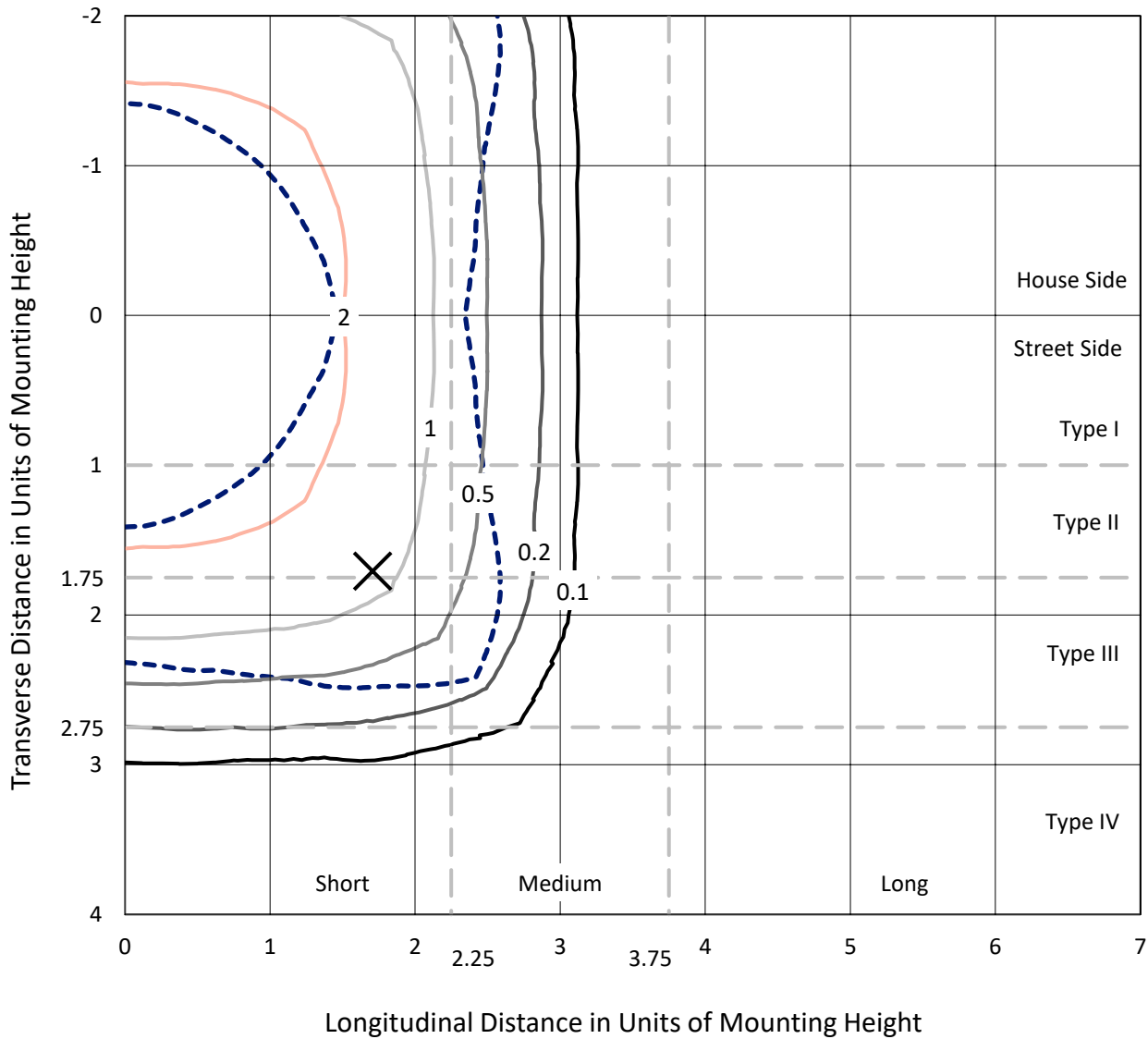
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

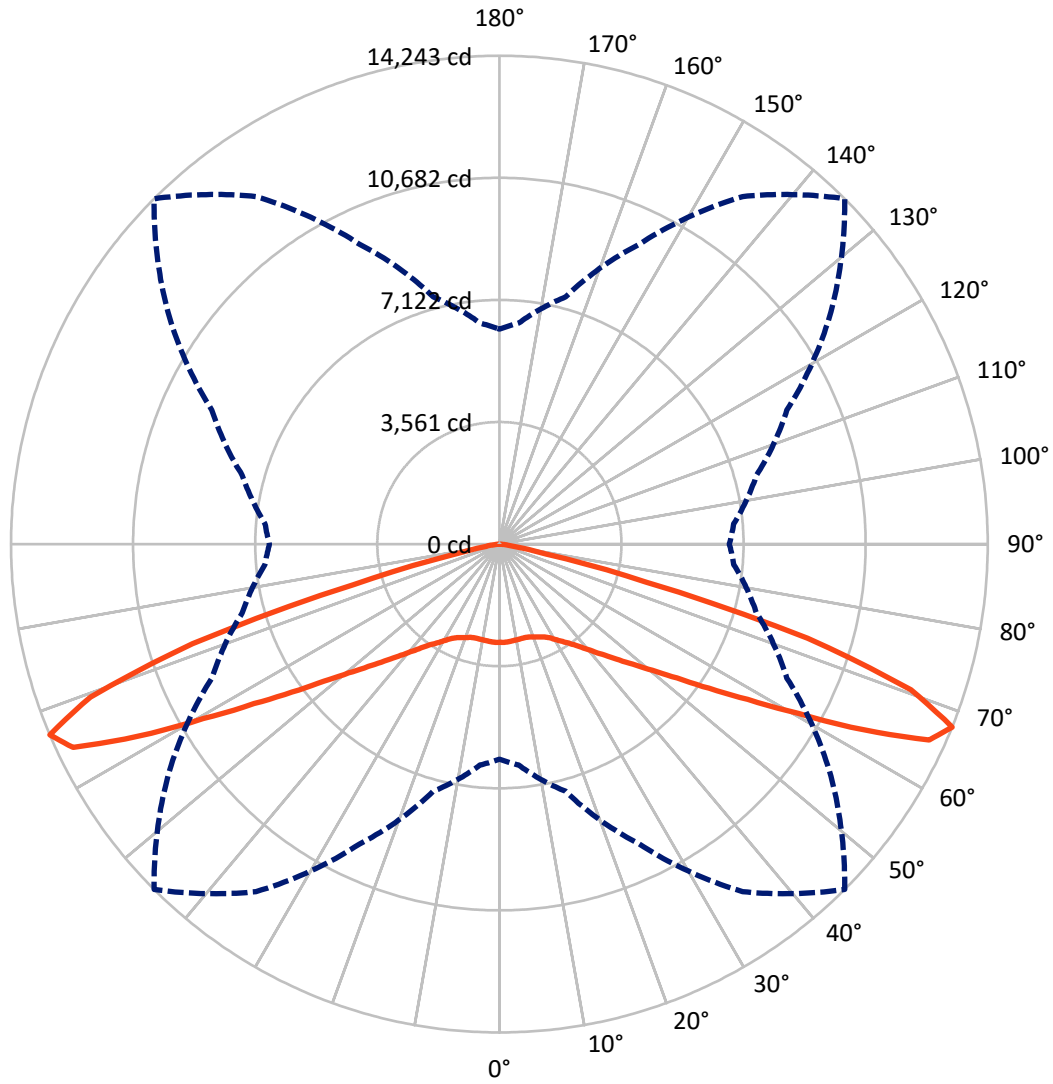
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	13662.6	0.0	13662.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13662.6	0.0	13662.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27325.2	0.0	27325.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.9	1.0
10°-20°	795.6	2.9
20°-30°	1372.1	5.0
30°-40°	2231.1	8.2
40°-50°	3756.7	13.7
50°-60°	6656.1	24.4
60°-70°	9514.5	34.8
70°-80°	2611.3	9.6
80°-90°	117.0	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°	27325.2	100.0
0°-180°	27325.2	100.0

Coefficient of Utilization



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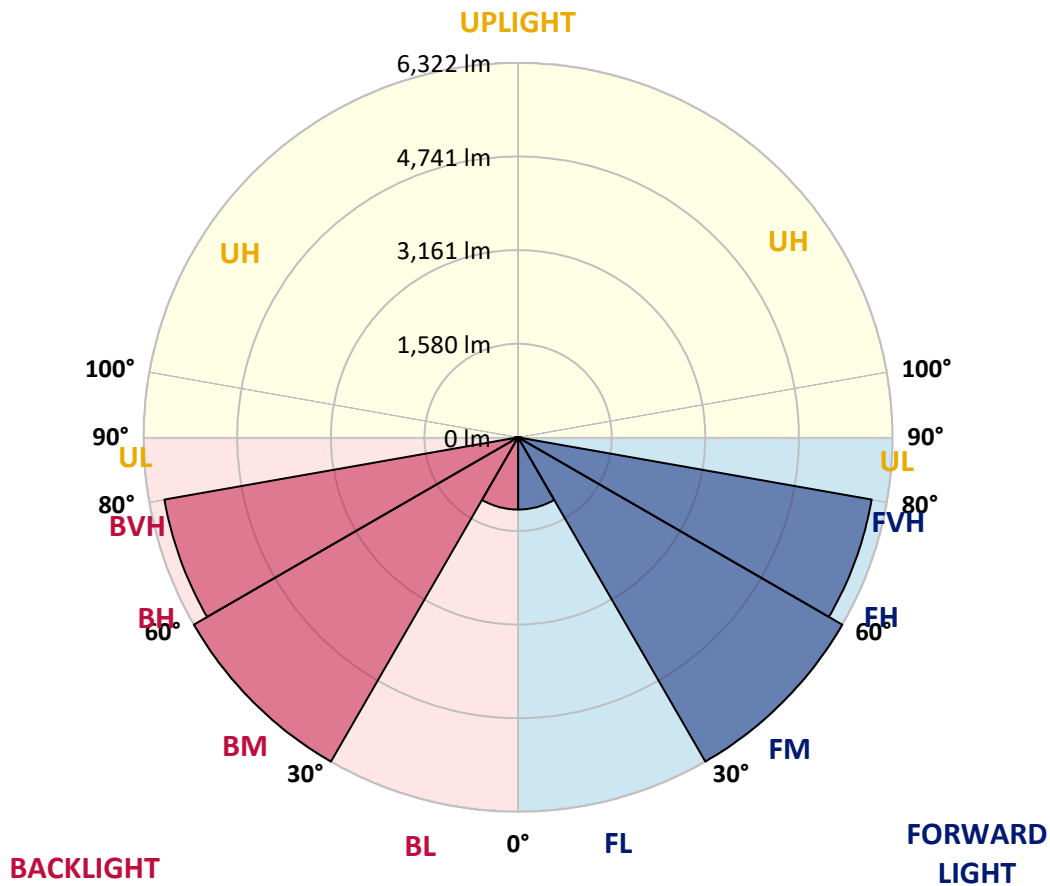
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.3	4.5			
FM (30°-60°)	6321.9	23.1			
FH (60°-80°)	6062.9	22.2			G3/7500
FVH (80°-90°)	58.5	0.2			G1/100
BL (0°-30°)	1219.3	4.5	B3/2500		
BM (30°-60°)	6321.9	23.1	B4/8500		
BH (60°-80°)	6062.9	22.2	B5		G3/7500
BVH (80°-90°)	58.5	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°	2861.8	2861.8	2861.8	2861.8	2861.8	2861.8	2861.8	2861.8	2861.8	2861.8	2861.8
2.5°	2842.9	2841.0	2850.5	2856.2	2854.3	2867.5	2865.6	2861.8	2861.8	2856.2	2871.3
5°	2842.9	2841.0	2848.6	2850.5	2846.7	2858.1	2854.3	2850.5	2850.5	2842.9	2856.2
7.5°	2827.8	2829.7	2835.4	2839.1	2835.4	2844.8	2839.1	2831.6	2829.7	2822.1	2835.4
10°	2799.4	2801.3	2807.0	2816.4	2818.3	2835.4	2825.9	2812.7	2807.0	2799.4	2812.7
12.5°	2782.4	2784.3	2790.0	2801.3	2805.1	2827.8	2818.3	2797.5	2788.1	2780.5	2793.7
15°	2778.6	2780.5	2788.1	2799.4	2805.1	2827.8	2818.3	2793.7	2780.5	2771.0	2782.4
17.5°	2778.6	2782.4	2793.7	2810.8	2822.1	2844.8	2833.5	2805.1	2786.2	2769.1	2780.5
20°	2780.5	2786.2	2803.2	2827.8	2856.2	2888.3	2873.2	2835.4	2808.9	2788.1	2795.6
22.5°	2797.5	2807.0	2827.8	2859.9	2901.6	2939.4	2926.1	2875.1	2837.2	2808.9	2816.4
25°	2856.2	2859.9	2886.4	2928.0	2967.8	2999.9	2986.7	2939.4	2892.1	2858.1	2867.5
27.5°	2960.2	2969.6	2992.3	3035.9	3069.9	3086.9	3085.0	3052.9	3005.6	2975.3	2982.9
30°	3085.0	3094.5	3124.8	3173.9	3208.0	3226.9	3221.2	3196.6	3153.1	3111.5	3119.1
32.5°	3230.7	3234.5	3270.4	3325.2	3361.2	3389.6	3370.6	3344.2	3289.3	3240.1	3243.9
35°	3416.0	3421.7	3459.5	3510.6	3539.0	3561.7	3557.9	3531.4	3472.8	3419.8	3433.1
37.5°	3648.7	3652.5	3686.5	3750.8	3773.5	3790.6	3794.3	3781.1	3720.6	3652.5	3665.7
40°	3938.1	3940.0	3977.8	4034.6	4059.2	4070.5	4072.4	4074.3	4011.9	3960.8	3957.0
42.5°	4274.8	4284.2	4337.2	4392.1	4403.4	4397.7	4416.6	4435.6	4375.0	4305.0	4310.7
45°	4677.7	4683.3	4755.2	4815.7	4794.9	4776.0	4812.0	4849.8	4794.9	4704.2	4677.7
47.5°	5154.3	5165.7	5243.2	5303.8	5269.7	5235.7	5294.3	5334.0	5245.1	5148.7	5124.1
50°	5693.4	5701.0	5810.7	5886.3	5846.6	5784.2	5858.0	5899.6	5780.4	5661.2	5608.3
52.5°	6330.8	6315.7	6461.3	6593.8	6569.2	6487.8	6548.4	6555.9	6378.1	6209.8	6156.8
55°	7108.2	7093.1	7238.8	7384.4	7444.9	7424.1	7395.7	7350.4	7087.4	6907.7	6858.6
57.5°	8014.3	7967.0	8171.3	8368.0	8500.4	8538.2	8417.2	8311.2	8103.2	7881.9	7825.1
60°	8856.0	8854.1	9177.5	9518.0	9881.2	10032.5	9726.1	9438.6	8971.4	8568.5	8487.1
62.5°	9092.4	9132.1	9661.8	10505.4	11401.9	11937.2	11129.6	10178.1	9275.9	8668.7	8560.9
65°	8509.8	8608.2	9361.0	10692.6	12463.1	13772.0	11948.6	10195.2	8937.3	8180.7	8067.2
67.5°	6272.2	6468.9	7465.7	9648.5	12372.3	14243.0	11802.9	9251.3	7762.7	6862.3	6705.4
70°	3094.5	3281.7	4072.4	6347.9	10180.0	12731.7	10212.2	6972.1	5243.2	4376.9	4233.2
72.5°	1138.7	1214.3	1524.5	2716.2	5617.7	9404.5	6983.4	3894.6	2540.3	2022.0	1925.5
75°	558.0	571.2	618.5	911.7	2073.1	4426.1	3281.7	1494.3	934.4	813.3	786.9
77.5°	355.6	361.3	384.0	435.0	665.8	1394.0	994.9	590.1	457.7	438.8	438.8
80°	198.6	204.3	234.5	270.5	312.1	478.5	357.5	353.7	300.7	262.9	257.2
82.5°	94.6	104.0	149.4	147.5	164.6	240.2	210.0	191.0	192.9	145.6	138.1
85°	43.5	43.5	58.6	70.0	73.8	81.3	96.5	109.7	107.8	73.8	79.4
87.5°	20.8	20.8	20.8	18.9	17.0	15.1	20.8	34.0	49.2	34.0	32.2
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)