

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: P642473

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27578.7 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

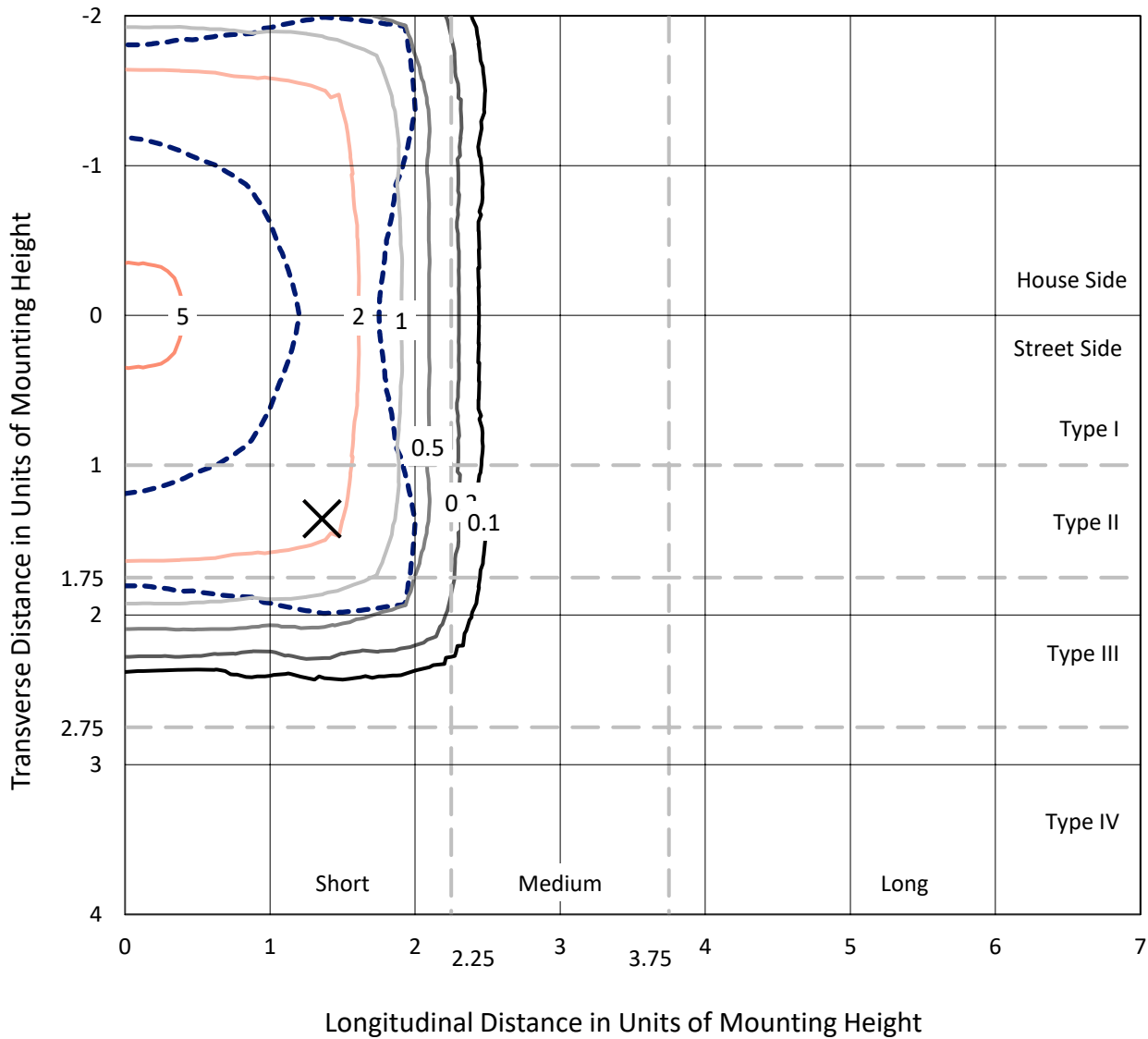
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642473
 CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

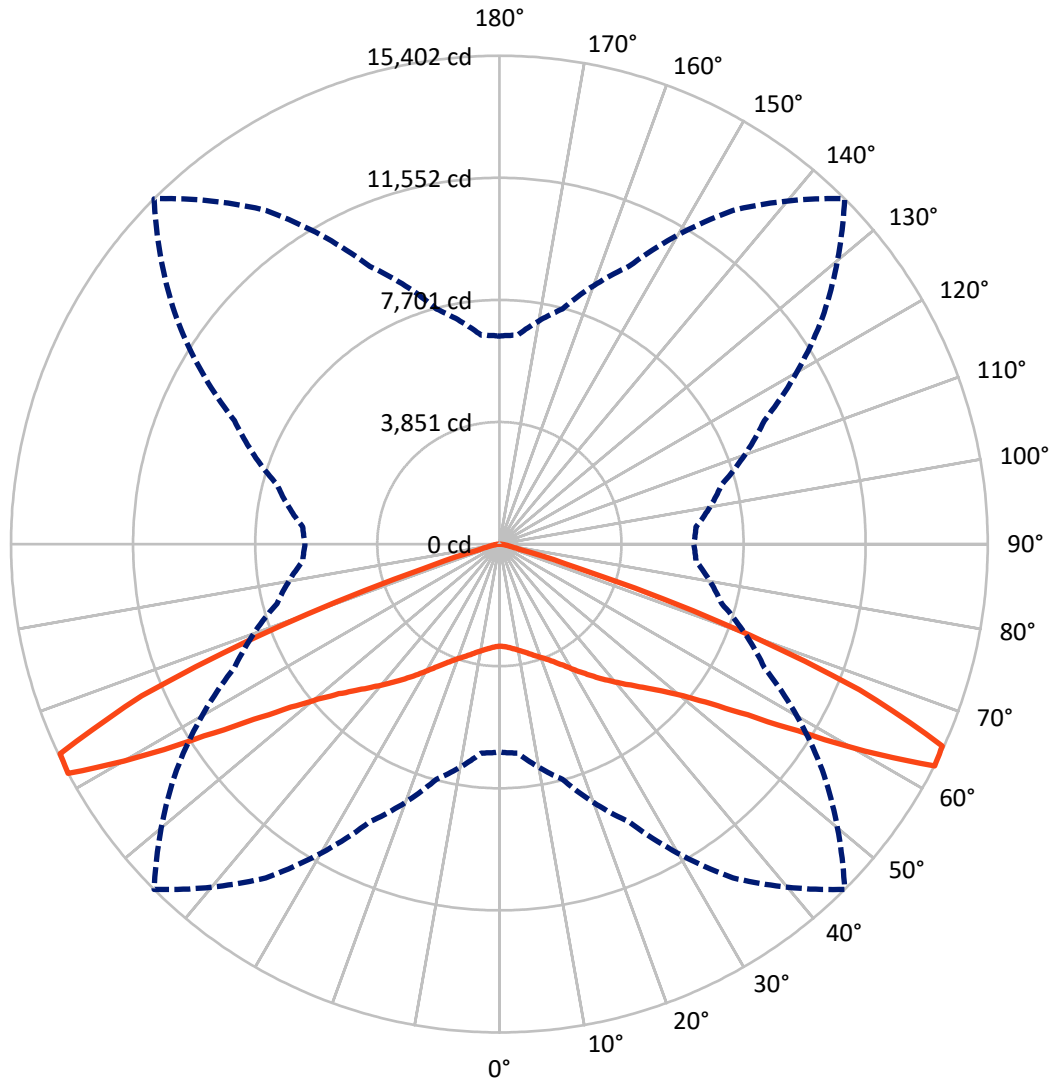
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

REPORT NUMBER: P642473
CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P642473

CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13789.4	0.0	13789.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13789.4	0.0	13789.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27578.7	0.0	27578.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.7	1.1
10°-20°	1018.0	3.7
20°-30°	1925.9	7.0
30°-40°	3241.6	11.8
40°-50°	5179.1	18.8
50°-60°	8348.5	30.3
60°-70°	6811.4	24.7
70°-80°	661.5	2.4
80°-90°	77.0	0.3
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°	27578.7	100.0
0°-180°	27578.7	100.0

Coefficient of Utilization



REPORT NUMBER: P642473

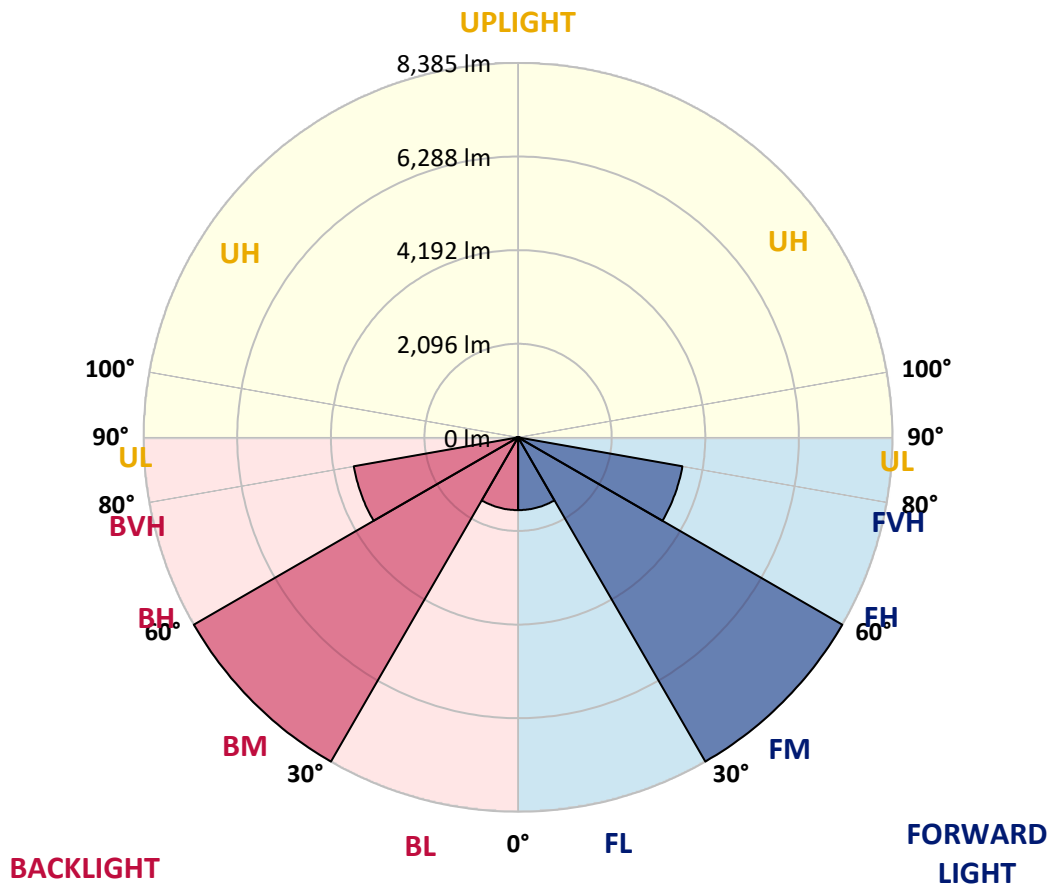
CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.8	5.9			
FM (30°-60°)	8384.6	30.4			
FH (60°-80°)	3736.4	13.5			G2/5000
FVH (80°-90°)	38.5	0.1			G1/100
BL (0°-30°)	1629.8	5.9	B3/2500		
BM (30°-60°)	8384.6	30.4	B4/8500		
BH (60°-80°)	3736.4	13.5	B4/5000		G2/5000
BVH (80°-90°)	38.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P642473
 CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3217.4	3217.4	3217.4	3217.4	3217.4	3217.4	3217.4	3217.4	3217.4	3217.4	3217.4
2.5°	3213.6	3213.6	3221.2	3226.9	3223.1	3238.2	3236.3	3232.6	3230.7	3225.0	3242.0
5°	3257.1	3257.1	3262.8	3268.5	3259.0	3278.0	3270.4	3266.6	3264.7	3257.1	3272.3
7.5°	3306.3	3312.0	3313.9	3323.4	3317.7	3338.5	3332.8	3325.2	3321.5	3312.0	3325.2
10°	3361.2	3365.0	3366.9	3383.9	3385.8	3410.4	3404.7	3395.2	3387.7	3378.2	3397.1
12.5°	3434.9	3436.8	3442.5	3463.3	3469.0	3487.9	3486.0	3472.8	3463.3	3450.1	3470.9
15°	3529.5	3531.4	3540.9	3561.7	3571.1	3593.8	3586.3	3565.5	3552.2	3537.1	3554.1
17.5°	3627.9	3635.4	3644.9	3665.7	3679.0	3705.4	3696.0	3673.3	3661.9	3646.8	3658.1
20°	3754.6	3756.5	3762.2	3784.9	3794.3	3824.6	3826.5	3803.8	3798.1	3783.0	3800.0
22.5°	3894.6	3896.5	3902.1	3926.7	3943.8	3962.7	3974.0	3960.8	3951.3	3932.4	3953.2
25°	4049.7	4068.6	4074.3	4104.5	4123.5	4134.8	4148.0	4142.4	4129.1	4106.4	4115.9
27.5°	4267.2	4271.0	4280.4	4314.5	4325.8	4337.2	4350.4	4352.3	4333.4	4306.9	4320.2
30°	4515.0	4513.1	4533.9	4560.4	4569.8	4579.3	4598.2	4609.6	4585.0	4556.6	4569.8
32.5°	4768.5	4791.1	4817.6	4842.2	4836.5	4840.3	4870.6	4891.4	4857.4	4806.3	4817.6
35°	5054.1	5069.2	5103.2	5139.2	5131.6	5125.9	5144.9	5165.7	5118.4	5052.2	5069.2
37.5°	5347.2	5369.9	5421.0	5464.5	5453.2	5426.7	5447.5	5470.2	5424.8	5349.1	5341.6
40°	5674.5	5710.4	5784.2	5820.1	5789.9	5738.8	5774.7	5829.6	5784.2	5697.2	5676.4
42.5°	6058.4	6102.0	6175.7	6230.6	6164.4	6081.1	6141.7	6221.1	6209.8	6094.4	6058.4
45°	6533.2	6561.6	6652.4	6678.9	6580.5	6465.1	6574.8	6695.9	6667.5	6542.7	6495.4
47.5°	7049.6	7093.1	7172.5	7221.7	7062.8	6919.1	7072.3	7235.0	7204.7	7087.4	7032.6
50°	7707.8	7764.6	7868.6	7910.2	7690.8	7526.2	7723.0	7929.1	7870.5	7713.5	7641.6
52.5°	8424.7	8470.1	8647.9	8731.1	8525.0	8347.2	8519.3	8721.7	8596.8	8388.8	8292.3
55°	9056.5	9101.9	9362.9	9639.0	9629.6	9506.6	9593.6	9597.4	9258.9	8914.6	8812.5
57.5°	9192.6	9238.0	9735.5	10458.1	10968.8	11110.6	10855.3	10318.1	9465.0	8861.6	8746.3
60°	8466.3	8517.4	9308.0	10628.3	12307.9	13255.6	12079.1	10303.0	8827.6	8010.5	7900.8
62.5°	6559.7	6614.5	7677.6	9659.8	12848.9	15402.4	12434.7	9219.1	7261.4	6226.8	6130.3
65°	3132.3	3132.3	4482.8	6928.5	11770.8	15351.3	11405.7	6820.7	4371.2	3357.4	3274.2
67.5°	775.5	779.3	1153.8	2697.3	8006.7	12251.2	8137.2	3274.2	1539.7	1089.5	1061.1
70°	484.2	482.3	535.3	730.1	2801.3	7435.5	3327.1	987.4	626.1	552.3	548.5
72.5°	376.4	376.4	402.9	467.2	733.9	2532.7	970.3	548.5	454.0	408.6	408.6
75°	297.0	297.0	315.9	349.9	433.2	652.6	516.4	406.7	351.8	321.6	317.8
77.5°	221.3	225.1	240.2	262.9	295.1	366.9	327.2	306.4	274.3	251.6	244.0
80°	143.8	149.4	168.3	181.6	192.9	242.1	213.7	223.2	208.1	181.6	177.8
82.5°	77.6	79.4	102.1	105.9	109.7	132.4	136.2	141.9	147.5	115.4	107.8
85°	28.4	28.4	34.0	39.7	43.5	47.3	64.3	79.4	83.2	66.2	64.3
87.5°	5.7	5.7	5.7	3.8	3.8	3.8	11.3	20.8	34.0	26.5	26.5
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)