

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: P642471

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642471
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-SA6D-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18567.4 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

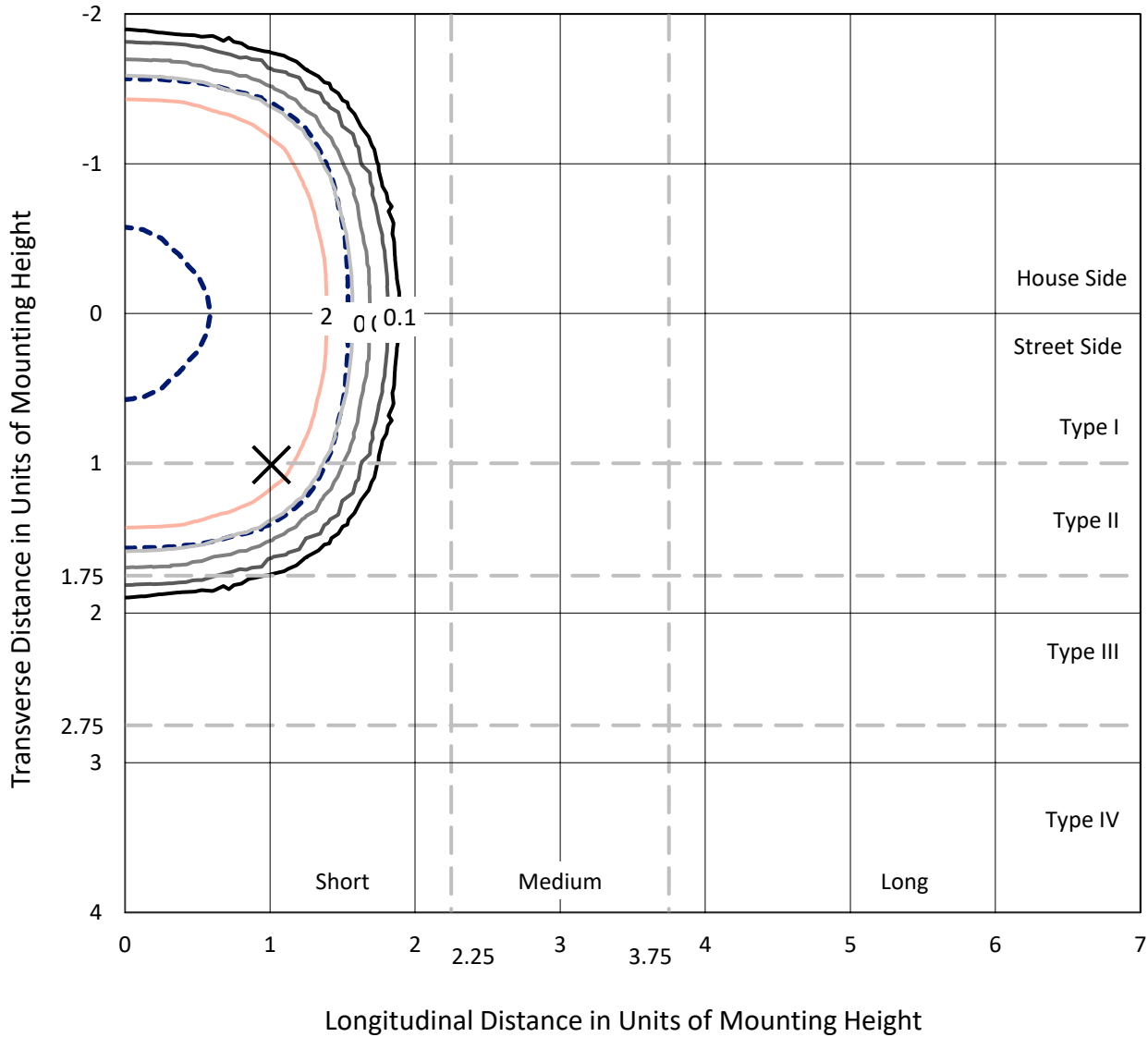
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642471
 CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

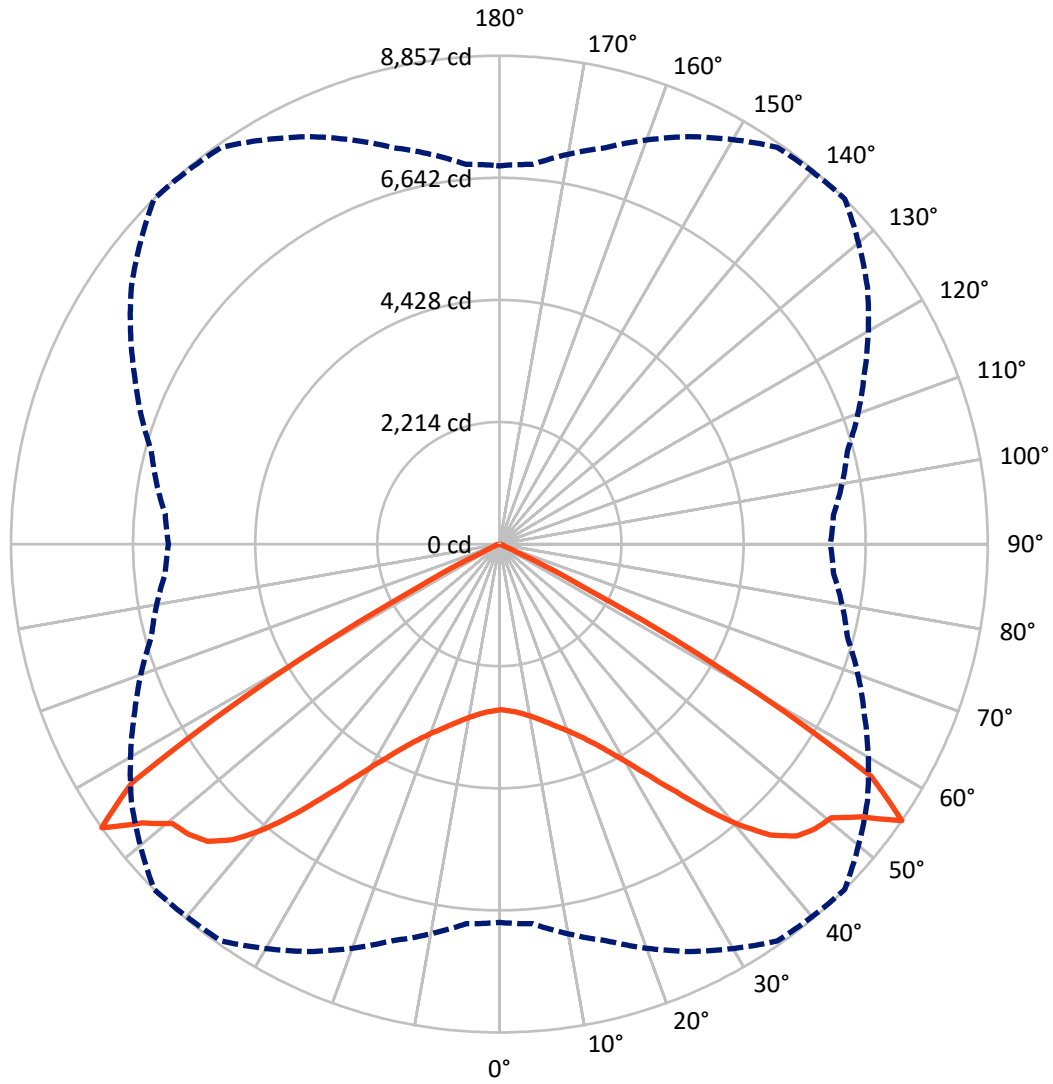
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P642471
CATALOG NUMBER: GWS-SA6D-722-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642471

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9283.7	0.0	9283.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9283.7	0.0	9283.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18567.4	0.0	18567.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	1.6
10°-20°	953.4	5.1
20°-30°	1846.5	9.9
30°-40°	3308.0	17.8
40°-50°	5546.1	29.9
50°-60°	5936.8	32.0
60°-70°	652.4	3.5
70°-80°	28.7	0.2
80°-90°	1.3	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°	18567.4	100.0
0°-180°	18567.4	100.0

Coefficient of Utilization



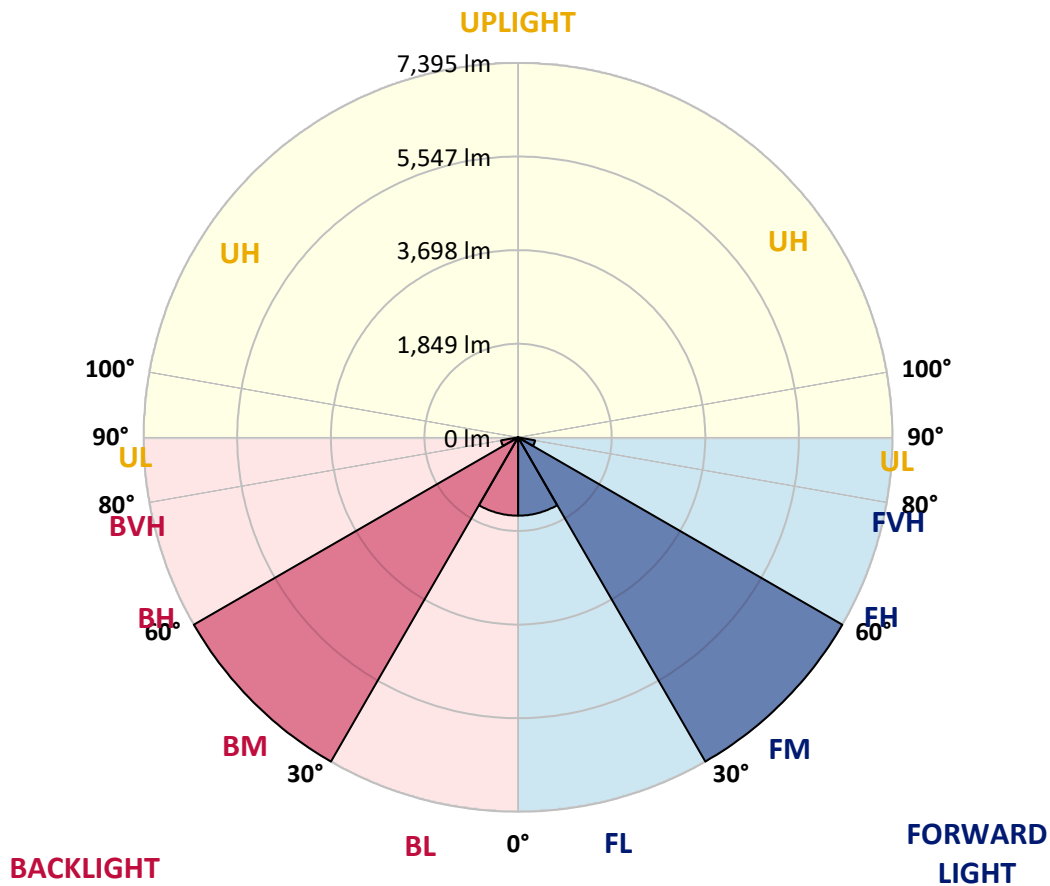
REPORT NUMBER: P642471

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

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.0	8.3			
FM (30°-60°)	7395.5	39.8			
FH (60°-80°)	340.6	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1547.0	8.3	B3/2500		
BM (30°-60°)	7395.5	39.8	B4/8500		
BH (60°-80°)	340.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	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





REPORT NUMBER: P642471

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0
2.5°	2996.3	2996.3	3003.9	3009.6	3009.6	3024.7	3019.0	3013.3	3013.3	3005.8	3020.9
5°	3039.8	3037.9	3045.5	3049.3	3041.7	3056.8	3047.4	3041.7	3037.9	3030.4	3045.5
7.5°	3087.1	3089.0	3090.9	3098.5	3094.7	3109.8	3102.2	3090.9	3087.1	3075.8	3090.9
10°	3143.9	3143.9	3147.6	3157.1	3159.0	3177.9	3170.3	3157.1	3145.8	3134.4	3149.5
12.5°	3215.7	3217.6	3223.3	3236.6	3244.1	3264.9	3253.6	3227.1	3210.1	3196.8	3213.9
15°	3319.8	3317.9	3325.5	3344.4	3353.8	3369.0	3351.9	3316.0	3295.2	3280.1	3291.4
17.5°	3433.3	3433.3	3437.1	3456.0	3469.2	3491.9	3471.1	3427.6	3408.7	3387.9	3399.2
20°	3558.1	3563.8	3567.6	3580.8	3603.5	3626.2	3609.2	3565.7	3544.9	3518.4	3531.6
22.5°	3722.7	3717.0	3718.9	3741.6	3773.8	3796.5	3783.2	3732.2	3696.2	3675.4	3683.0
25°	3906.2	3904.3	3910.0	3944.0	3980.0	4004.5	3985.6	3919.4	3883.5	3847.5	3862.7
27.5°	4131.3	4133.2	4137.0	4178.6	4235.3	4271.3	4224.0	4157.8	4108.6	4061.3	4072.6
30°	4398.0	4394.2	4405.6	4462.3	4545.5	4602.3	4547.4	4454.7	4384.8	4339.4	4345.0
32.5°	4681.7	4685.5	4715.8	4806.6	4916.3	5016.6	4905.0	4782.0	4691.2	4606.1	4617.4
35°	4988.2	4997.6	5065.7	5200.0	5379.7	5514.1	5358.9	5156.5	5027.9	4918.2	4922.0
37.5°	5349.5	5372.2	5466.8	5667.3	5924.5	6104.2	5877.2	5608.6	5442.2	5306.0	5296.5
40°	5824.3	5850.8	5979.4	6217.7	6529.9	6694.4	6431.5	6155.3	5949.1	5801.6	5778.9
42.5°	6369.1	6403.1	6543.1	6787.1	7099.2	7210.8	6953.6	6720.9	6535.5	6361.5	6353.9
45°	6983.8	7002.8	7116.3	7303.5	7528.6	7555.1	7362.2	7233.5	7046.3	6883.6	6870.3
47.5°	7560.8	7579.7	7657.3	7753.7	7806.7	7712.1	7678.1	7621.3	7379.2	7178.7	7137.1
50°	7999.6	8014.8	8111.2	8149.1	8001.5	7801.0	7867.2	7746.2	7483.2	7258.1	7193.8
52.5°	7969.4	8007.2	8255.0	8470.6	8378.0	8215.3	8037.5	7776.4	7367.8	7059.5	6980.1
55°	6860.9	6912.0	7443.5	8152.9	8786.5	8856.5	8145.3	7303.5	6535.5	6083.4	6002.1
57.5°	4409.4	4422.6	5071.4	6066.4	7494.6	7944.8	6755.0	5506.5	4551.2	4053.7	4019.7
60°	1621.1	1594.6	2084.6	2909.3	4316.7	4793.3	3976.2	2784.5	1986.2	1634.4	1606.0
62.5°	389.7	393.5	488.0	732.1	1354.4	1676.0	1324.1	739.6	471.0	395.3	391.6
65°	196.7	192.9	194.8	210.0	289.4	346.2	283.7	200.5	192.9	194.8	192.9
67.5°	126.7	124.8	128.6	130.5	128.6	121.1	119.2	123.0	123.0	124.8	121.1
70°	77.6	75.7	79.4	85.1	81.3	71.9	75.7	79.4	75.7	73.8	73.8
72.5°	41.6	41.6	45.4	49.2	45.4	41.6	41.6	43.5	41.6	41.6	41.6
75°	18.9	18.9	20.8	22.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9
77.5°	5.7	5.7	7.6	7.6	5.7	5.7	5.7	5.7	7.6	7.6	7.6
80°	1.9	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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)