

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: P642965

Luminaire Tested: GWS-SA6E-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642965
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-SAGE-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: 34147 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

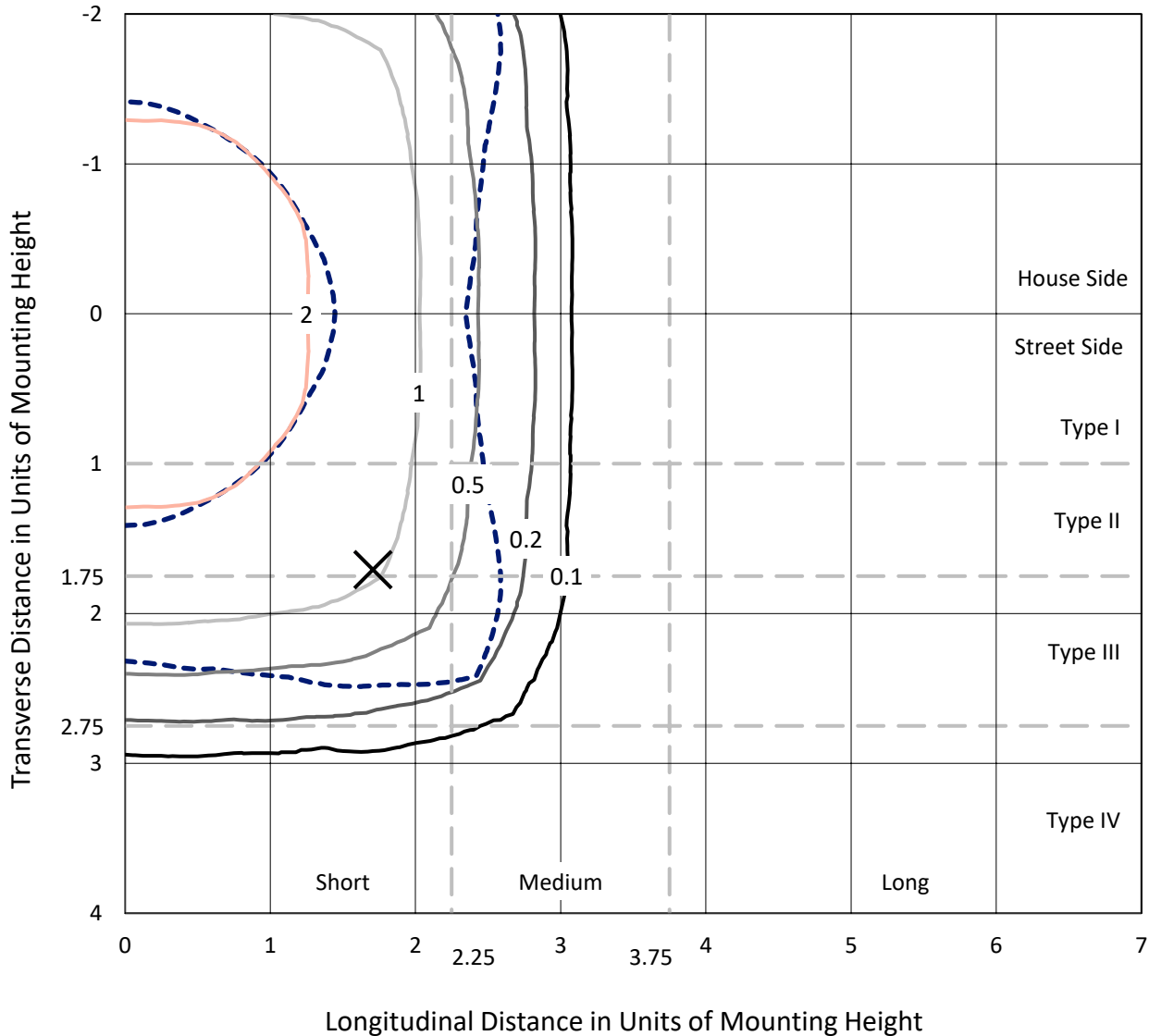
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642965
 CATALOG NUMBER: GWS-SA6E-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

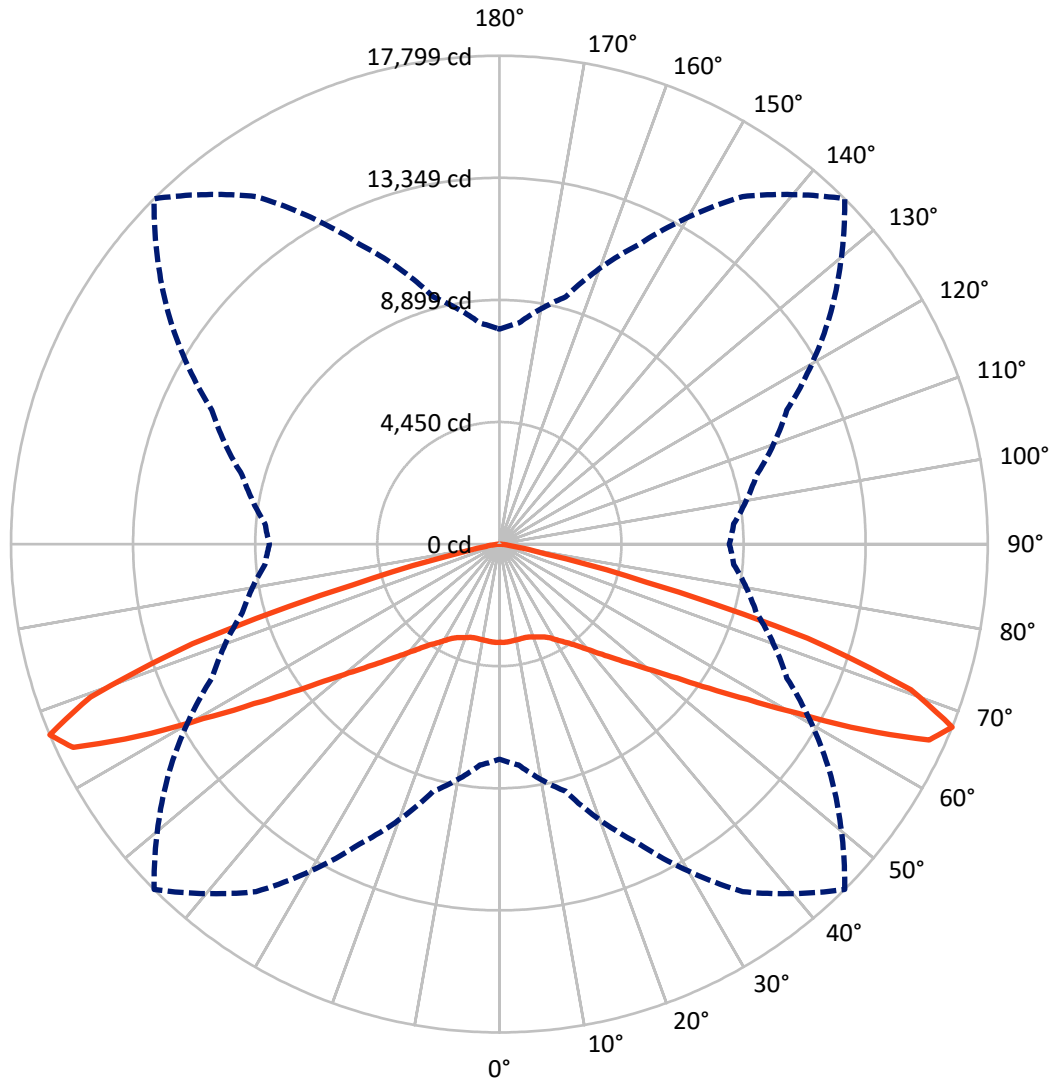
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P642965
CATALOG NUMBER: GWS-SA6E-722-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642965

CATALOG NUMBER: GWS-SA6E-722-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17073.5	0.0	17073.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17073.5	0.0	17073.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34147.0	0.0	34147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	1.0
10°-20°	994.2	2.9
20°-30°	1714.6	5.0
30°-40°	2788.1	8.2
40°-50°	4694.5	13.7
50°-60°	8317.8	24.4
60°-70°	11889.8	34.8
70°-80°	3263.3	9.6
80°-90°	146.2	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°	34147.0	100.0
0°-180°	34147.0	100.0

Coefficient of Utilization



REPORT NUMBER: P642965

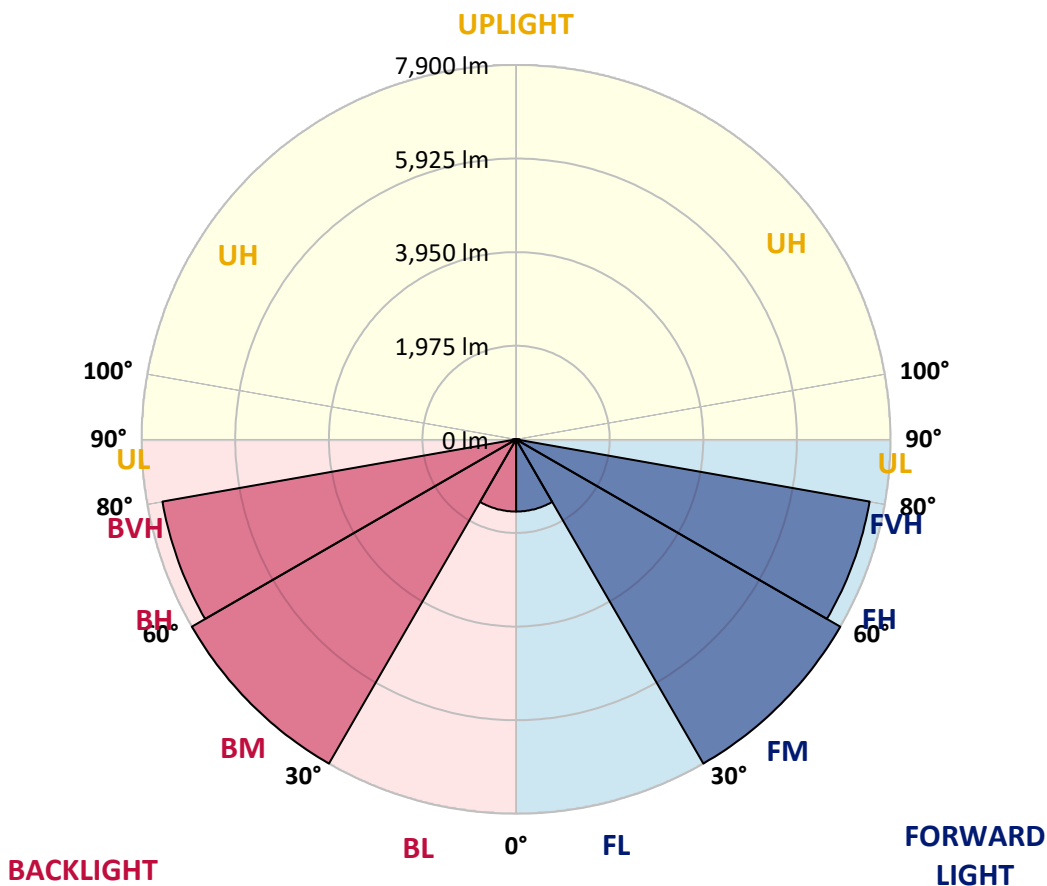
CATALOG NUMBER: GWS-SA6E-722-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.6	4.5			
FM (30°-60°)	7900.2	23.1			
FH (60°-80°)	7576.5	22.2			G4/12000
FVH (80°-90°)	73.1	0.2			G1/100
BL (0°-30°)	1523.6	4.5	B3/2500		
BM (30°-60°)	7900.2	23.1	B4/8500		
BH (60°-80°)	7576.5	22.2	B5		G4/12000
BVH (80°-90°)	73.1	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-G4

Type V Short





REPORT NUMBER: P642965
 CATALOG NUMBER: GWS-SA6E-722-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3576.3	3576.3	3576.3	3576.3	3576.3	3576.3	3576.3	3576.3	3576.3	3576.3	3576.3
2.5°	3552.7	3550.3	3562.1	3569.2	3566.8	3583.4	3581.0	3576.3	3576.3	3569.2	3588.1
5°	3552.7	3550.3	3559.8	3562.1	3557.4	3571.6	3566.8	3562.1	3562.1	3552.7	3569.2
7.5°	3533.7	3536.1	3543.2	3547.9	3543.2	3555.0	3547.9	3538.5	3536.1	3526.7	3543.2
10°	3498.3	3500.7	3507.7	3519.6	3521.9	3543.2	3531.4	3514.8	3507.7	3498.3	3514.8
12.5°	3477.0	3479.4	3486.5	3500.7	3505.4	3533.7	3521.9	3495.9	3484.1	3474.7	3491.2
15°	3472.3	3474.7	3484.1	3498.3	3505.4	3533.7	3521.9	3491.2	3474.7	3462.8	3477.0
17.5°	3472.3	3477.0	3491.2	3512.5	3526.7	3555.0	3540.8	3505.4	3481.7	3460.5	3474.7
20°	3474.7	3481.7	3503.0	3533.7	3569.2	3609.4	3590.5	3543.2	3510.1	3484.1	3493.6
22.5°	3495.9	3507.7	3533.7	3573.9	3625.9	3673.2	3656.7	3592.8	3545.6	3510.1	3519.6
25°	3569.2	3573.9	3607.0	3659.0	3708.7	3748.8	3732.3	3673.2	3614.1	3571.6	3583.4
27.5°	3699.2	3711.0	3739.4	3793.8	3836.3	3857.6	3855.2	3815.0	3755.9	3718.1	3727.6
30°	3855.2	3867.0	3904.9	3966.3	4008.9	4032.5	4025.4	3994.7	3940.3	3888.3	3897.8
32.5°	4037.2	4041.9	4086.9	4155.4	4200.3	4235.8	4212.1	4179.0	4110.5	4049.0	4053.8
35°	4268.9	4276.0	4323.2	4387.0	4422.5	4450.9	4446.1	4413.1	4339.8	4273.6	4290.1
37.5°	4559.6	4564.3	4606.9	4687.2	4715.6	4736.9	4741.6	4725.1	4649.4	4564.3	4580.9
40°	4921.2	4923.6	4970.9	5041.8	5072.5	5086.7	5089.1	5091.4	5013.4	4949.6	4944.9
42.5°	5342.0	5353.8	5420.0	5488.5	5502.7	5495.6	5519.3	5542.9	5467.3	5379.8	5386.9
45°	5845.5	5852.6	5942.4	6018.0	5992.0	5968.4	6013.3	6060.6	5992.0	5878.6	5845.5
47.5°	6441.1	6455.3	6552.2	6627.8	6585.3	6542.8	6616.0	6665.7	6554.6	6434.0	6403.3
50°	7114.8	7124.2	7261.3	7355.9	7306.2	7228.2	7320.4	7372.4	7223.5	7074.6	7008.4
52.5°	7911.3	7892.4	8074.4	8239.9	8209.2	8107.5	8183.2	8192.6	7970.4	7760.1	7693.9
55°	8882.8	8863.9	9045.9	9227.9	9303.6	9277.6	9242.1	9185.4	8856.8	8632.3	8570.8
57.5°	10015.0	9956.0	10211.2	10457.1	10622.5	10669.8	10518.5	10386.2	10126.1	9849.6	9778.7
60°	11066.9	11064.5	11468.7	11894.2	12348.0	12537.1	12154.2	11794.9	11211.1	10707.6	10606.0
62.5°	11362.4	11412.0	12073.8	13128.1	14248.5	14917.4	13908.1	12719.1	11591.6	10832.9	10698.2
65°	10634.3	10757.3	11698.0	13362.1	15574.5	17210.2	14931.6	12740.4	11168.5	10223.1	10081.2
67.5°	7838.1	8083.9	9329.6	12057.3	15461.0	17798.8	14749.6	11560.9	9700.7	8575.5	8379.4
70°	3867.0	4101.0	5089.1	7932.6	12721.5	15910.1	12761.7	8712.6	6552.2	5469.6	5290.0
72.5°	1423.0	1517.5	1905.2	3394.3	7020.2	11752.4	8726.8	4866.9	3174.5	2526.8	2406.3
75°	697.3	713.8	772.9	1139.3	2590.6	5531.1	4101.0	1867.3	1167.7	1016.4	983.3
77.5°	444.4	451.5	479.8	543.7	832.0	1742.1	1243.3	737.5	572.0	548.4	548.4
80°	248.2	255.3	293.1	338.0	390.0	598.0	446.7	442.0	375.8	328.6	321.5
82.5°	118.2	130.0	186.7	184.4	205.6	300.2	262.4	238.7	241.1	182.0	172.6
85°	54.4	54.4	73.3	87.5	92.2	101.6	120.5	137.1	134.7	92.2	99.3
87.5°	26.0	26.0	26.0	23.6	21.3	18.9	26.0	42.5	61.5	42.5	40.2
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)