

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: P641974

Luminaire Tested: GWS-SA6C-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18313.3 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

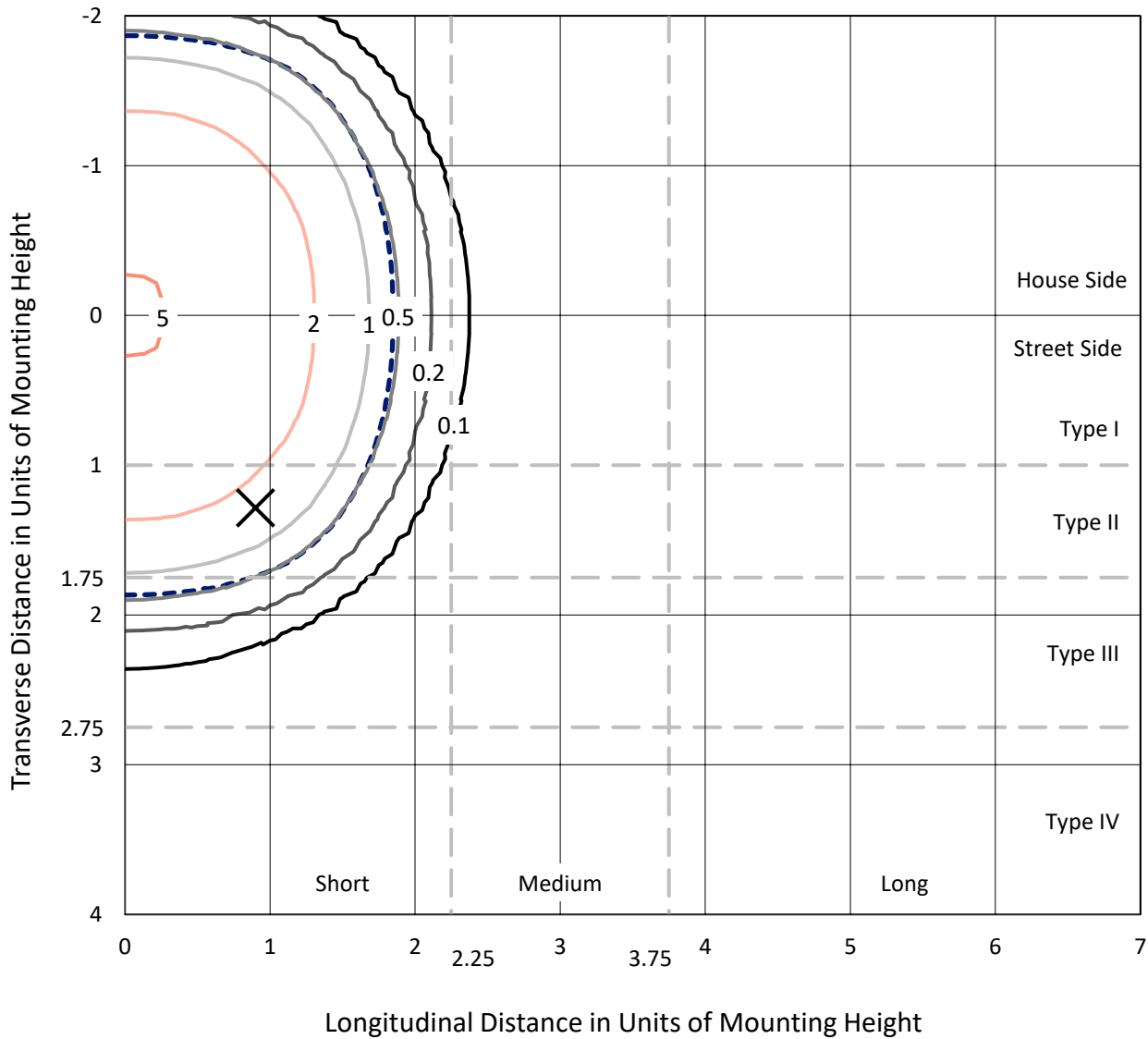
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

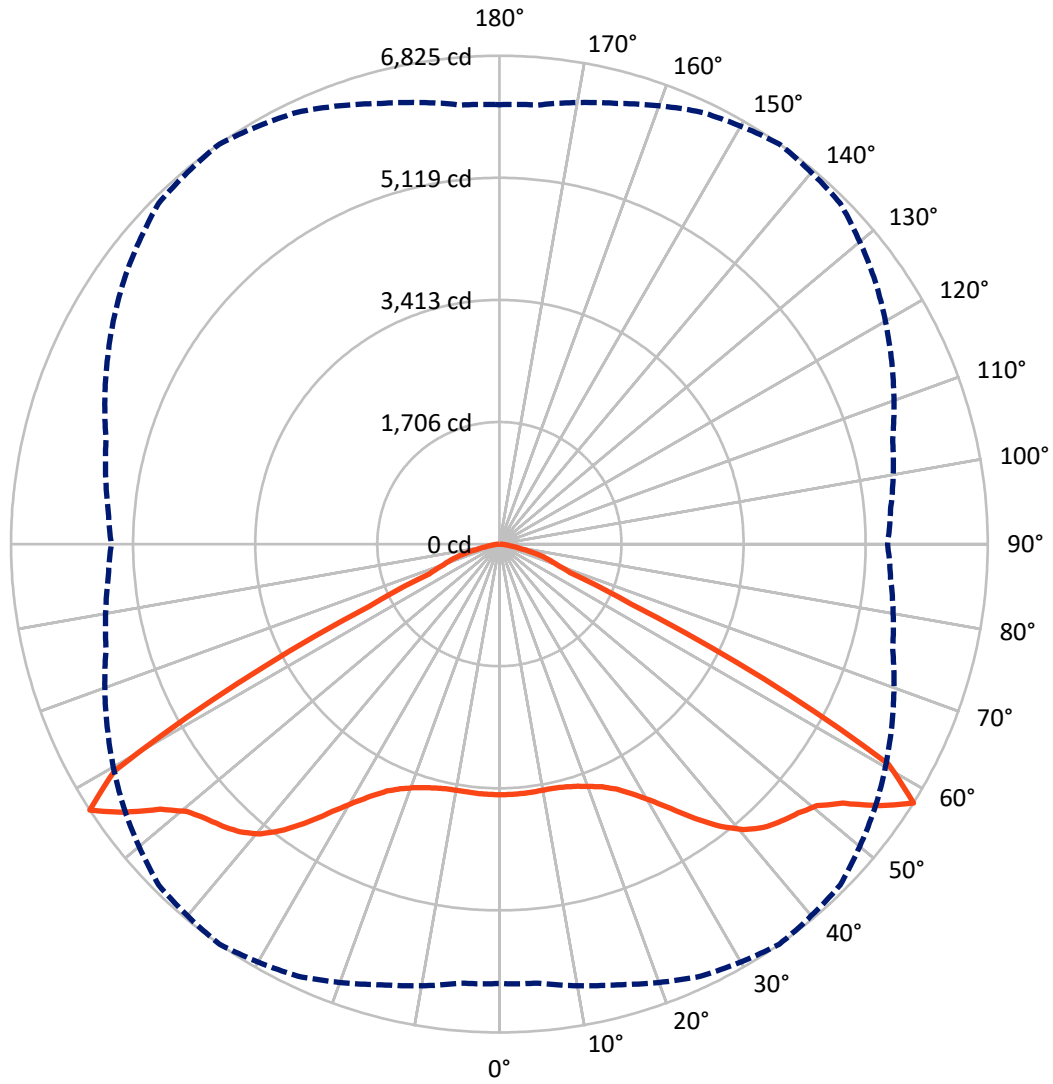
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9156.7	0.0	9156.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9156.7	0.0	9156.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18313.3	0.0	18313.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.3	1.8
10°-20°	994.5	5.4
20°-30°	1735.3	9.5
30°-40°	2845.5	15.5
40°-50°	4190.8	22.9
50°-60°	5348.2	29.2
60°-70°	2254.0	12.3
70°-80°	538.4	2.9
80°-90°	73.3	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°	18313.3	100.0
0°-180°	18313.3	100.0

Coefficient of Utilization



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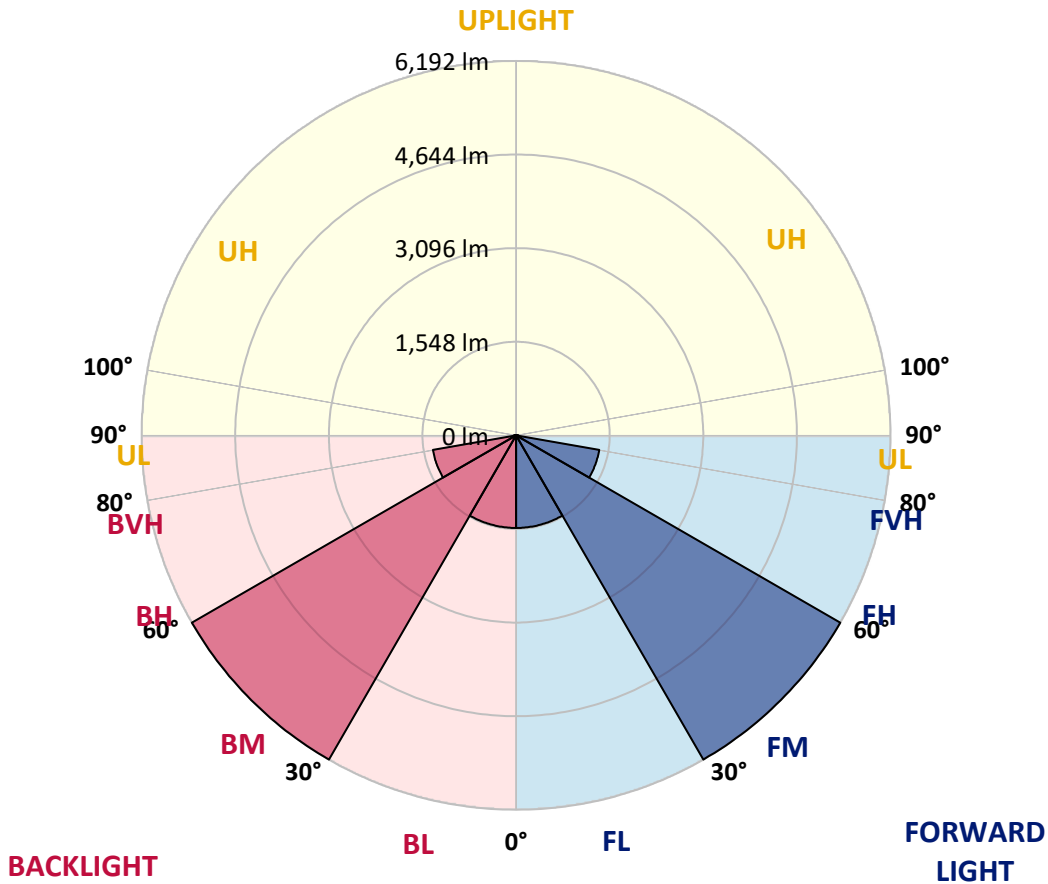
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1531.6	8.4			
FM (30°-60°)	6192.2	33.8			
FH (60°-80°)	1396.2	7.6			G1/1800
FVH (80°-90°)	36.6	0.2			G1/100
BL (0°-30°)	1531.6	8.4	B3/2500		
BM (30°-60°)	6192.2	33.8	B4/8500		
BH (60°-80°)	1396.2	7.6	B3/2500		G1/1800
BVH (80°-90°)	36.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3504.0	3504.0	3504.0	3504.0	3504.0	3504.0	3504.0	3504.0	3504.0	3504.0	3504.0
2.5°	3483.0	3483.0	3490.5	3498.0	3501.0	3514.5	3513.0	3508.5	3505.5	3496.5	3508.5
5°	3490.5	3490.5	3496.5	3501.0	3499.5	3510.0	3505.5	3498.0	3493.5	3484.5	3498.0
7.5°	3489.0	3489.0	3493.5	3498.0	3495.0	3504.0	3496.5	3486.0	3478.6	3469.6	3481.5
10°	3469.6	3472.6	3477.1	3487.5	3492.0	3505.5	3495.0	3478.6	3466.6	3456.1	3468.1
12.5°	3466.6	3469.6	3475.6	3489.0	3496.5	3516.0	3502.5	3475.6	3457.6	3444.1	3456.1
15°	3480.1	3483.0	3492.0	3508.5	3520.5	3541.5	3522.0	3484.5	3459.1	3441.1	3451.6
17.5°	3496.5	3501.0	3514.5	3538.5	3558.0	3580.5	3556.5	3511.5	3475.6	3451.6	3460.6
20°	3514.5	3520.5	3541.5	3577.5	3613.5	3642.0	3612.0	3552.0	3508.5	3477.1	3486.0
22.5°	3546.0	3553.5	3580.5	3631.5	3685.5	3727.4	3690.0	3609.0	3552.0	3511.5	3519.0
25°	3610.5	3619.5	3654.0	3715.5	3791.9	3842.9	3790.4	3699.0	3619.5	3570.0	3577.5
27.5°	3724.4	3728.9	3773.9	3854.9	3949.4	4007.8	3944.9	3836.9	3748.4	3691.5	3697.5
30°	3874.4	3887.9	3932.9	4039.3	4151.8	4229.7	4147.3	4019.8	3917.9	3848.9	3854.9
32.5°	4057.3	4066.3	4133.8	4244.7	4406.7	4496.6	4384.2	4232.7	4109.8	4025.8	4031.8
35°	4297.2	4304.7	4369.2	4510.1	4706.5	4790.5	4661.6	4487.6	4345.2	4265.7	4288.2
37.5°	4583.6	4597.1	4643.6	4783.0	5001.9	5084.4	4935.9	4774.0	4625.6	4552.1	4568.6
40°	4891.0	4889.5	4926.9	5049.9	5249.3	5300.3	5166.8	5037.9	4910.5	4862.5	4889.5
42.5°	5154.9	5147.4	5174.3	5276.3	5414.2	5418.7	5330.3	5258.3	5168.3	5135.4	5160.9
45°	5339.3	5342.3	5382.8	5453.2	5523.7	5486.2	5459.2	5447.2	5376.8	5331.8	5336.3
47.5°	5484.7	5496.7	5561.2	5609.2	5618.2	5555.2	5592.7	5610.7	5552.2	5483.2	5463.7
50°	5613.7	5633.2	5717.1	5768.1	5748.6	5669.1	5742.6	5769.6	5640.7	5508.7	5469.7
52.5°	5847.6	5870.1	5972.0	6038.0	6015.5	5936.0	6005.0	5909.0	5691.6	5529.7	5480.2
55°	6220.9	6231.4	6355.9	6463.8	6453.3	6355.9	6300.4	6087.5	5823.6	5655.6	5609.2
57.5°	6141.4	6159.4	6375.3	6663.2	6825.2	6736.7	6411.3	6048.5	5690.1	5487.7	5424.7
60°	4832.5	4876.0	5144.4	5651.1	6244.9	6243.4	5639.2	5075.4	4643.6	4375.2	4348.2
62.5°	2821.8	2851.8	3096.2	3609.0	4141.3	4174.3	3749.9	3363.1	2985.3	2803.8	2716.9
65°	1335.9	1334.4	1431.9	1662.8	2022.7	2051.1	1923.7	1712.3	1488.9	1427.4	1410.9
67.5°	986.6	986.6	979.1	995.6	1064.6	1079.6	1064.6	1030.1	1009.1	1022.6	1013.6
70°	856.1	857.6	848.6	844.1	844.1	839.7	845.6	859.1	868.1	886.1	877.1
72.5°	694.2	695.7	695.7	697.2	698.7	692.7	701.7	709.2	710.7	716.7	710.7
75°	493.3	496.3	505.3	512.8	518.8	518.8	521.8	523.3	517.3	524.8	512.8
77.5°	271.4	274.4	290.9	304.4	317.9	319.4	323.9	326.9	323.9	329.9	320.9
80°	149.9	152.9	160.4	166.4	176.9	185.9	191.9	194.9	194.9	199.4	194.9
82.5°	85.5	88.5	93.0	96.0	105.0	112.5	118.5	122.9	122.9	124.4	121.4
85°	40.5	40.5	43.5	46.5	51.0	54.0	61.5	66.0	66.0	69.0	66.0
87.5°	6.0	7.5	9.0	9.0	12.0	15.0	18.0	19.5	22.5	24.0	24.0
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)