

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: P641977

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 18961 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

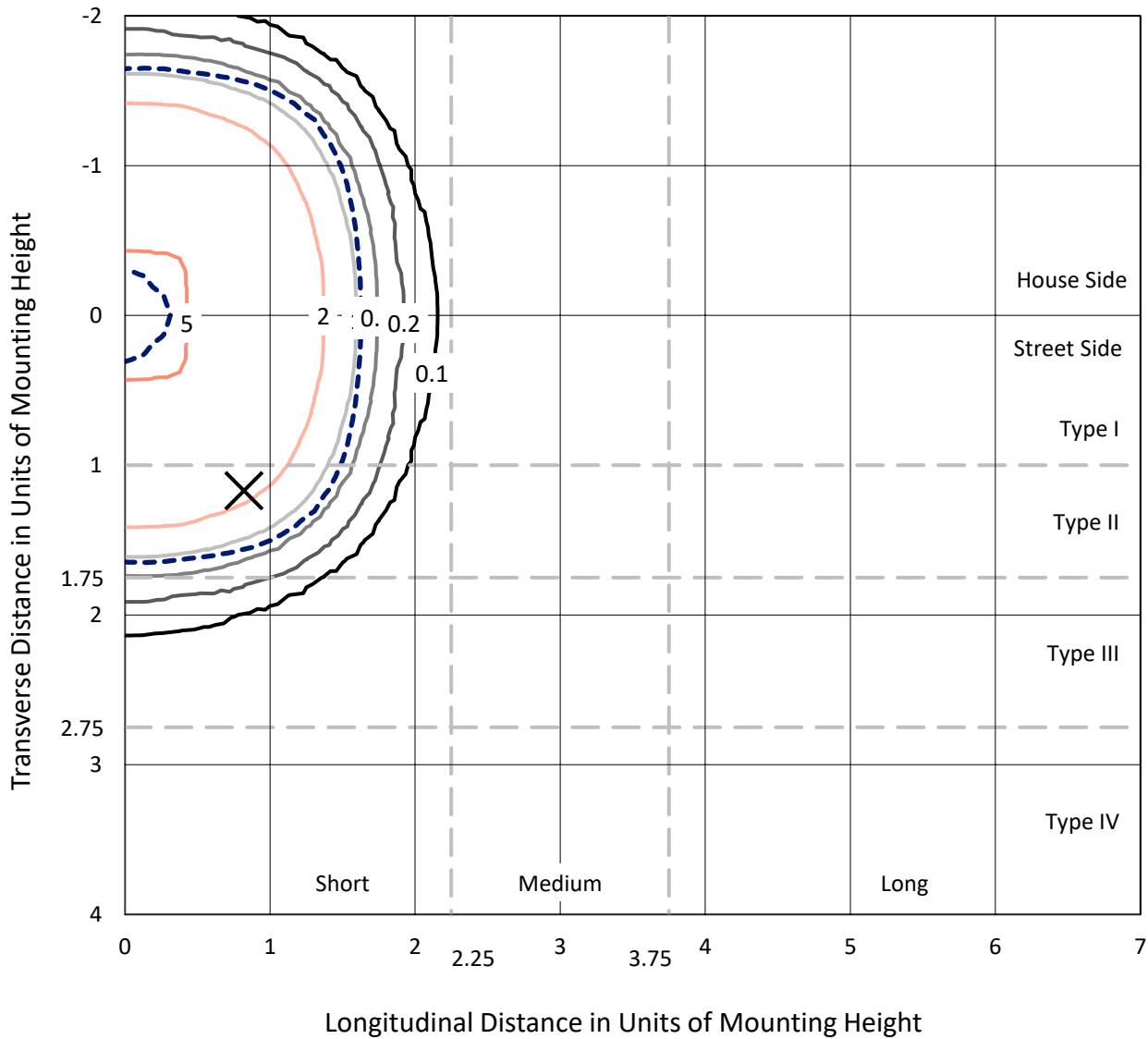
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

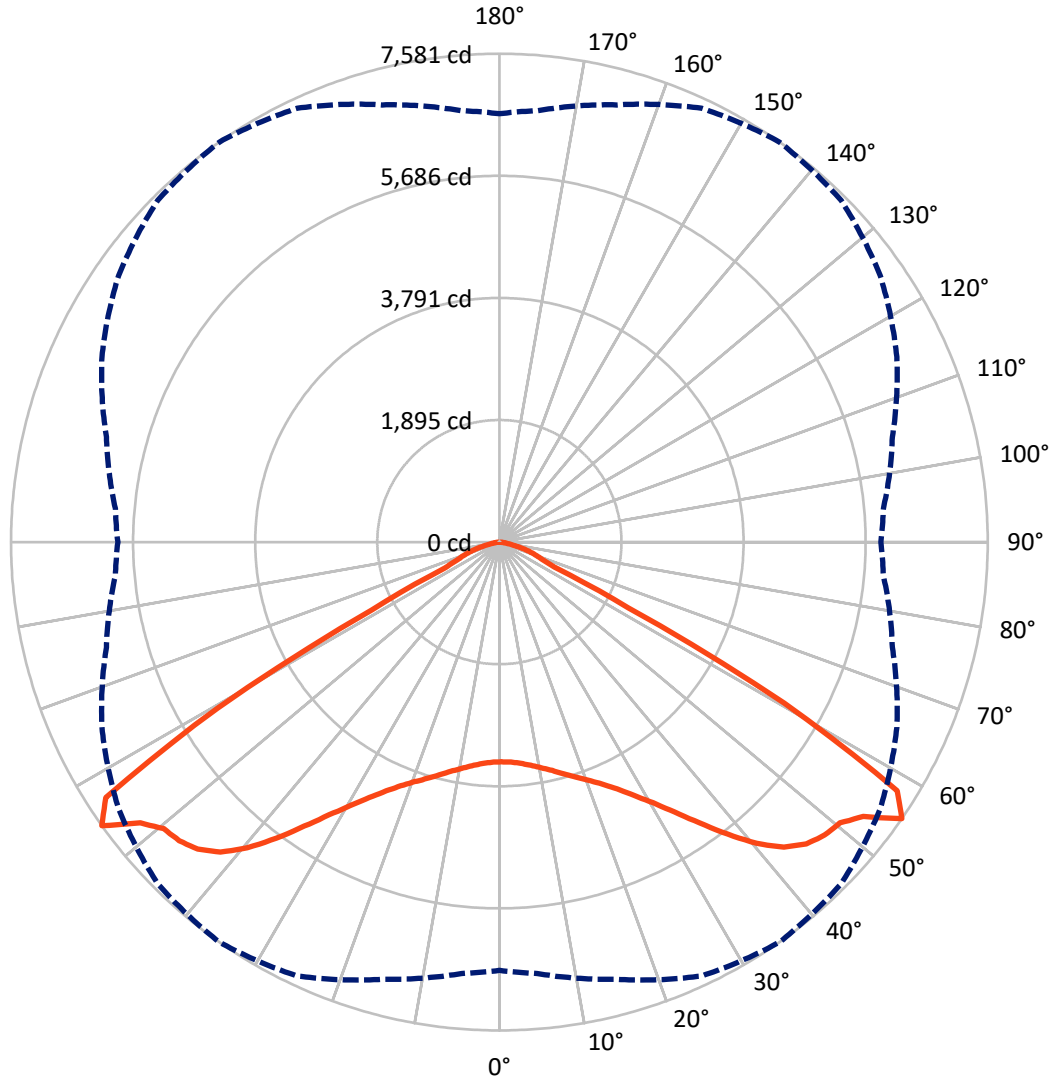
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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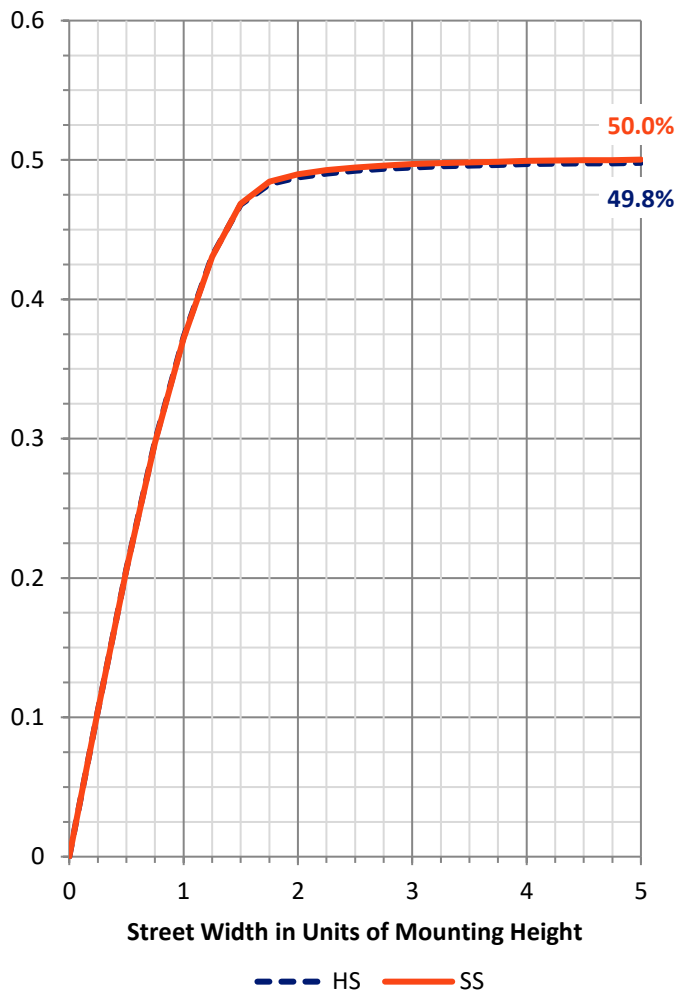
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9480.5	0.0	9480.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9480.5	0.0	9480.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18961.0	0.0	18961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	1.8
10°-20°	1059.3	5.6
20°-30°	1960.5	10.3
30°-40°	3279.6	17.3
40°-50°	4997.5	26.4
50°-60°	5598.3	29.5
60°-70°	1324.6	7.0
70°-80°	357.1	1.9
80°-90°	51.4	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°	18961.0	100.0
0°-180°	18961.0	100.0

Coefficient of Utilization



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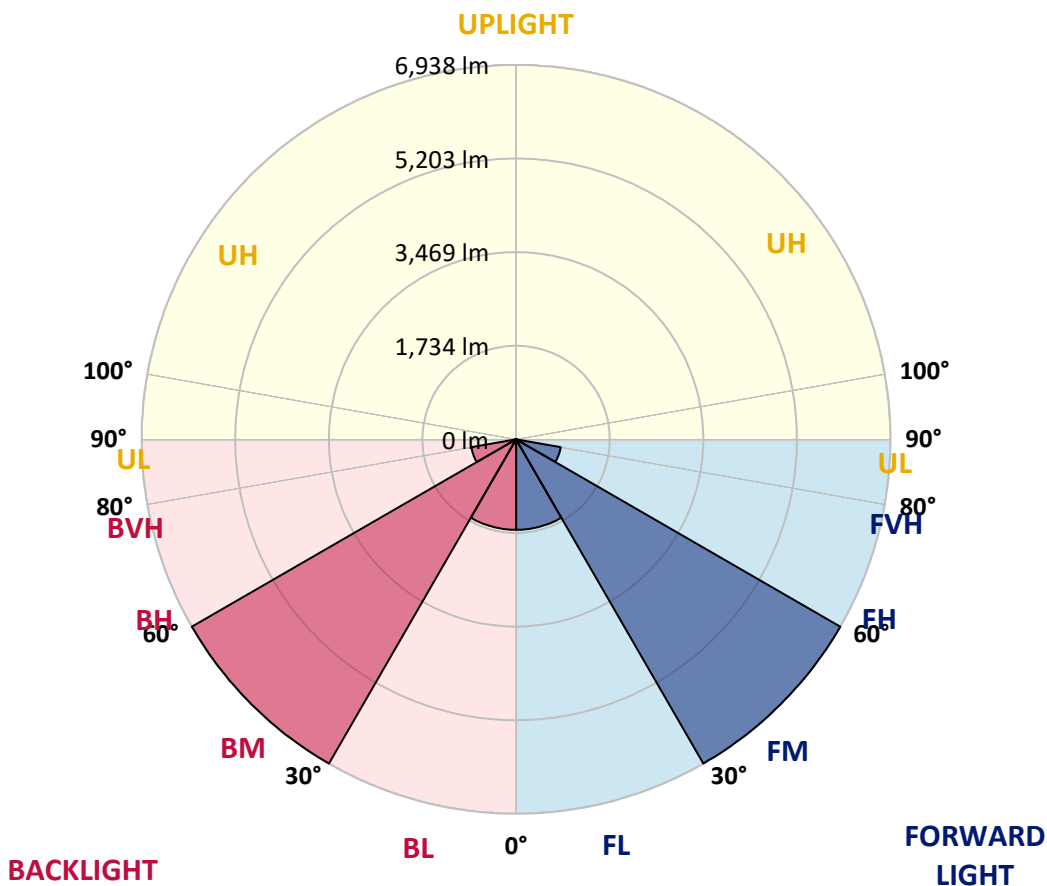
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.3	8.8			
FM (30°-60°)	6937.7	36.6			
FH (60°-80°)	840.9	4.4			G1/1800
FVH (80°-90°)	25.7	0.1			G1/100
BL (0°-30°)	1676.3	8.8	B3/2500		
BM (30°-60°)	6937.7	36.6	B4/8500		
BH (60°-80°)	840.9	4.4	B2/1000		G1/1800
BVH (80°-90°)	25.7	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3411.1	3411.1	3411.1	3411.1	3411.1	3411.1	3411.1	3411.1	3411.1	3411.1	3411.1
2.5°	3403.6	3403.6	3409.6	3417.1	3418.6	3433.6	3430.6	3424.6	3421.6	3415.6	3429.1
5°	3441.1	3442.6	3447.1	3451.6	3448.6	3460.6	3456.1	3448.6	3444.1	3436.6	3450.1
7.5°	3490.6	3490.6	3495.1	3501.1	3498.1	3516.1	3507.1	3496.6	3489.1	3480.1	3492.1
10°	3535.6	3538.6	3543.1	3555.1	3561.1	3580.6	3574.6	3559.6	3547.6	3537.1	3550.6
12.5°	3603.1	3606.1	3610.6	3627.0	3637.5	3657.0	3648.0	3627.0	3609.1	3594.1	3609.1
15°	3690.0	3687.0	3699.0	3720.0	3733.5	3751.5	3741.0	3705.0	3681.0	3661.5	3676.5
17.5°	3778.5	3777.0	3789.0	3816.0	3835.5	3859.5	3841.5	3799.5	3774.0	3750.0	3765.0
20°	3874.4	3878.9	3890.9	3916.4	3944.9	3976.4	3961.4	3916.4	3887.9	3861.0	3872.9
22.5°	3992.9	3994.4	4007.9	4040.9	4078.4	4108.4	4099.4	4043.9	4007.9	3979.4	3994.4
25°	4135.3	4133.8	4151.8	4190.8	4243.3	4273.3	4253.8	4192.3	4153.3	4120.4	4132.3
27.5°	4298.8	4297.3	4324.3	4375.2	4450.2	4492.2	4451.7	4375.2	4321.3	4274.8	4285.3
30°	4504.2	4499.7	4529.7	4598.7	4696.1	4766.6	4706.6	4600.2	4529.7	4480.2	4490.7
32.5°	4732.1	4738.1	4775.6	4868.6	4991.5	5083.0	4993.0	4874.5	4780.1	4708.1	4720.1
35°	4982.5	4982.5	5059.0	5174.4	5349.9	5471.3	5331.9	5160.9	5035.0	4936.0	4939.0
37.5°	5261.4	5264.4	5364.9	5523.8	5753.2	5895.6	5706.7	5495.3	5342.4	5235.9	5229.9
40°	5601.8	5610.8	5714.2	5891.1	6149.0	6279.5	6077.1	5870.2	5714.2	5588.3	5576.3
42.5°	5985.6	5988.6	6098.1	6257.0	6474.4	6552.4	6393.4	6224.0	6096.6	5982.6	5970.6
45°	6351.5	6344.0	6438.4	6556.9	6682.8	6690.3	6601.9	6532.9	6421.9	6324.5	6306.5
47.5°	6636.3	6630.3	6715.8	6780.3	6795.3	6721.8	6750.3	6760.8	6631.8	6499.9	6465.4
50°	6810.3	6822.3	6903.2	6939.2	6850.8	6730.8	6838.8	6811.8	6627.3	6454.9	6399.4
52.5°	6915.2	6933.2	7074.2	7165.6	7074.2	6960.2	6975.2	6816.3	6550.9	6323.0	6251.0
55°	6649.8	6721.8	7026.2	7431.0	7581.0	7501.5	7216.6	6807.3	6315.5	5984.1	5922.6
57.5°	4928.5	5042.5	5493.8	6371.0	7282.6	7572.0	6739.8	5706.7	4961.5	4535.7	4499.7
60°	2516.0	2643.4	3004.8	3905.9	5078.5	5486.3	4694.6	3654.0	2904.3	2559.5	2520.5
62.5°	1027.1	1048.1	1166.5	1514.4	2244.6	2589.5	2274.6	1596.9	1199.5	1105.1	1106.6
65°	808.2	812.7	806.7	827.7	940.1	1043.6	964.1	847.2	826.2	836.7	829.2
67.5°	704.7	706.2	701.7	701.7	706.2	701.7	710.7	715.2	718.2	730.2	722.7
70°	589.3	590.8	590.8	593.8	592.3	584.8	598.3	604.3	605.8	613.3	608.8
72.5°	455.8	460.3	463.3	464.8	463.3	458.8	466.3	476.8	475.3	482.8	475.3
75°	308.9	314.9	317.9	323.9	322.4	322.4	331.4	335.9	331.4	337.4	331.4
77.5°	175.4	179.9	188.9	194.9	200.9	205.4	211.4	214.4	212.9	215.9	212.9
80°	102.0	103.5	111.0	114.0	121.5	128.9	134.9	137.9	139.4	140.9	139.4
82.5°	58.5	60.0	63.0	66.0	72.0	78.0	84.0	88.5	88.5	90.0	88.5
85°	28.5	28.5	30.0	31.5	34.5	39.0	43.5	48.0	49.5	49.5	49.5
87.5°	4.5	4.5	6.0	6.0	7.5	9.0	12.0	15.0	16.5	16.5	16.5
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)