

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: P640493

Luminaire Tested: GWS-SA5E-722-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640493  
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-SA5E-722-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

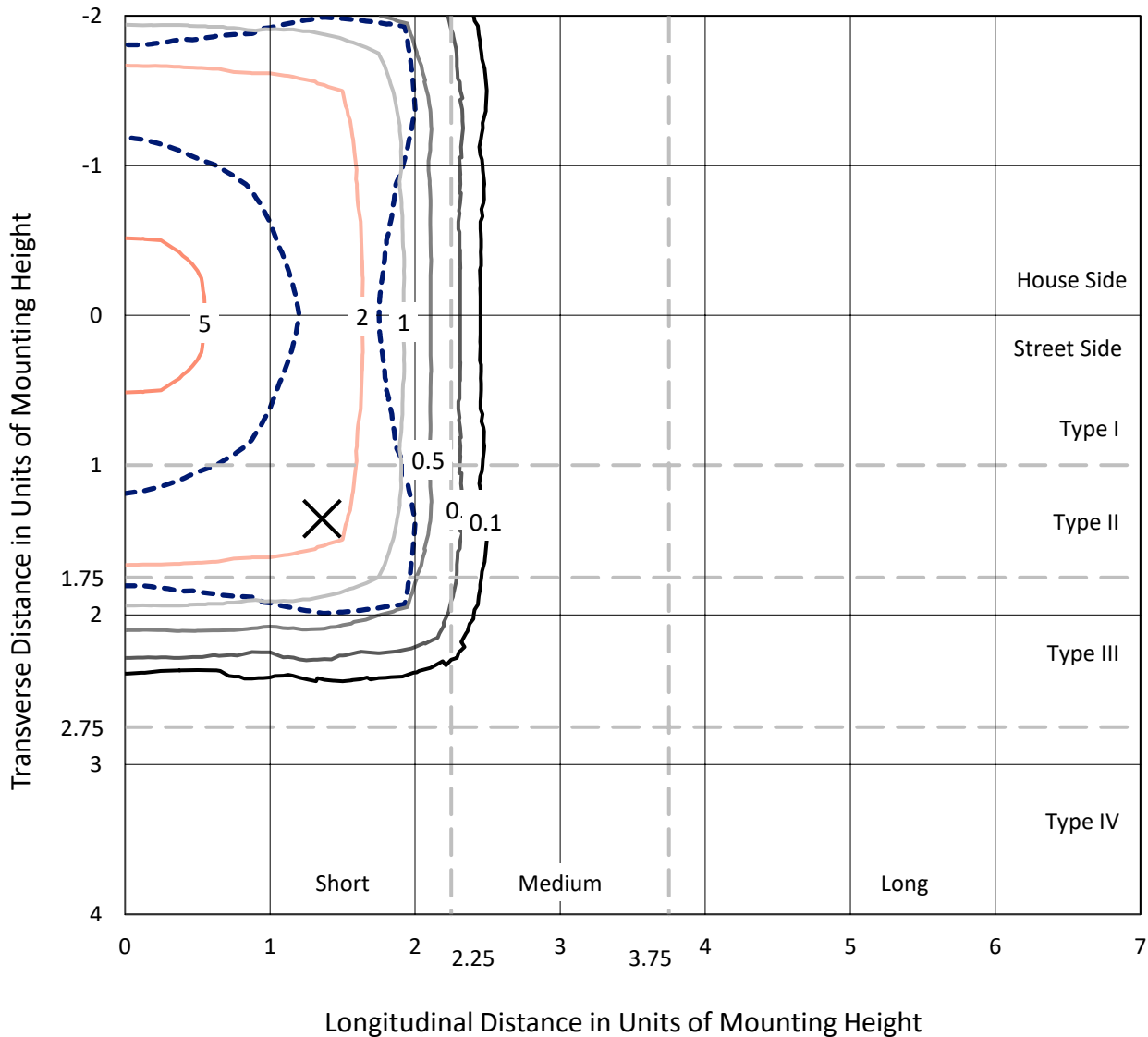
Lumens per Lamp: N/A  
Luminaire Lumens: 28902.1 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

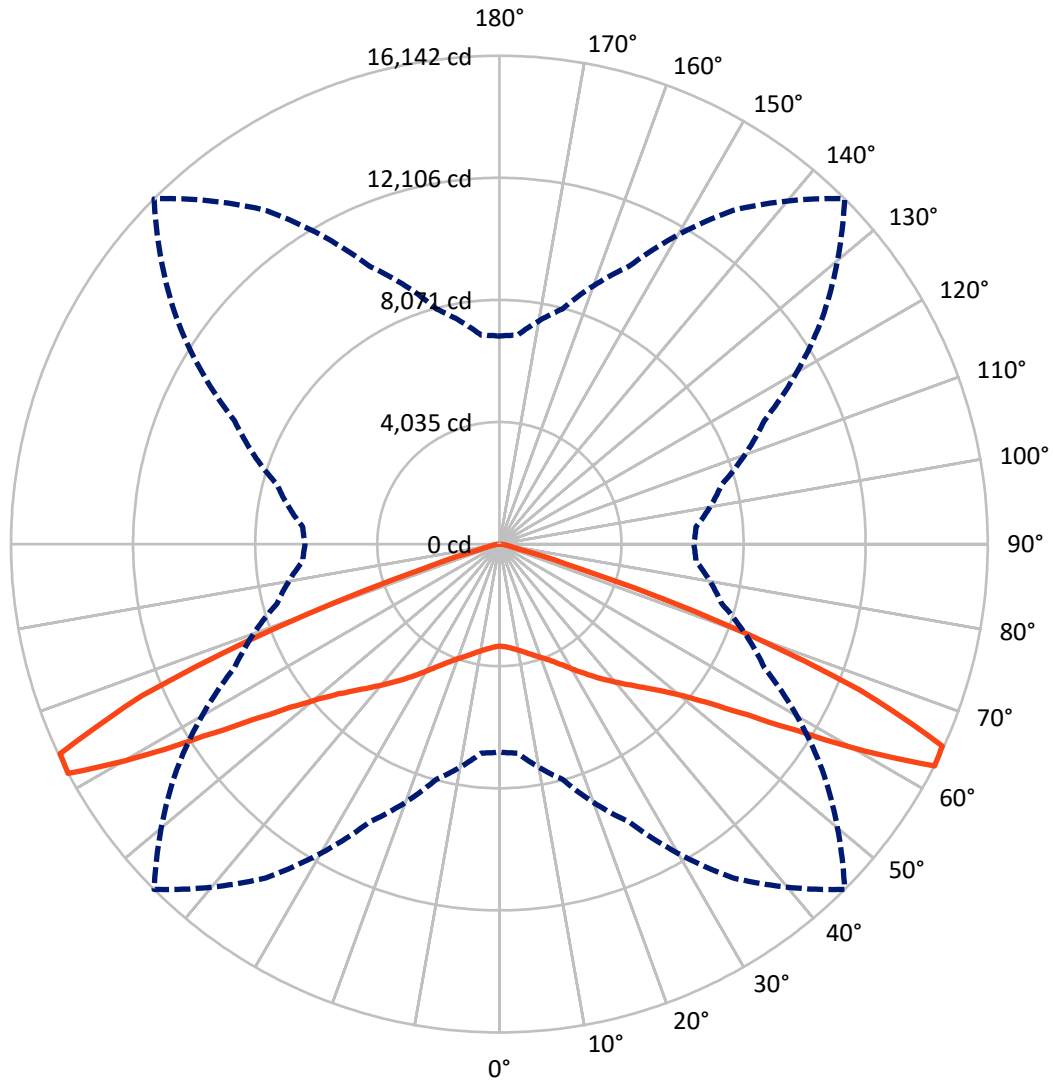
✕ Max cd  
 - - - 1/2 Max cd



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

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CATALOG NUMBER: GWS-SA5E-722-U-5NQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14451.1	0.0	14451.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14451.1	0.0	14451.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28902.1	0.0	28902.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.8	1.1
10°-20°	1066.8	3.7
20°-30°	2018.3	7.0
30°-40°	3397.2	11.8
40°-50°	5427.7	18.8
50°-60°	8749.1	30.3
60°-70°	7138.3	24.7
70°-80°	693.2	2.4
80°-90°	80.7	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°	28902.1	100.0
0°-180°	28902.1	100.0

**Coefficient of Utilization**



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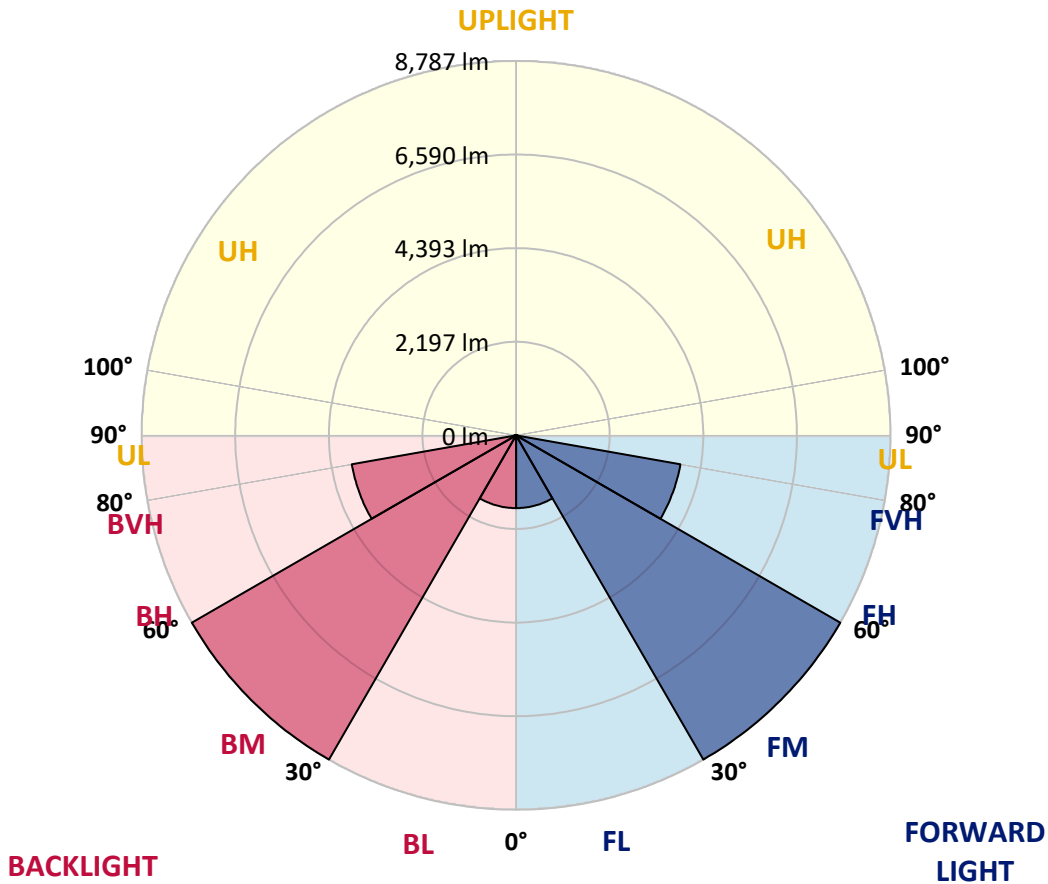
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1708.0	5.9			
FM (30°-60°)	8787.0	30.4			
FH (60°-80°)	3915.7	13.5			G2/5000
FVH (80°-90°)	40.3	0.1			G1/100
BL (0°-30°)	1708.0	5.9	B3/2500		
BM (30°-60°)	8787.0	30.4	B5		
BH (60°-80°)	3915.7	13.5	B4/5000		G2/5000
BVH (80°-90°)	40.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3371.8	3371.8	3371.8	3371.8	3371.8	3371.8	3371.8	3371.8	3371.8	3371.8	3371.8
2.5°	3367.9	3367.9	3375.8	3381.7	3377.8	3393.6	3391.6	3387.7	3385.7	3379.7	3397.6
5°	3413.4	3413.4	3419.4	3425.3	3415.4	3435.3	3427.3	3423.4	3421.4	3413.4	3429.3
7.5°	3465.0	3470.9	3472.9	3482.8	3476.9	3498.7	3492.7	3484.8	3480.8	3470.9	3484.8
10°	3522.5	3526.4	3528.4	3546.3	3548.2	3574.0	3568.1	3558.2	3550.2	3540.3	3560.1
12.5°	3599.8	3601.8	3607.7	3629.5	3635.5	3655.3	3653.3	3639.4	3629.5	3615.6	3637.4
15°	3698.9	3700.9	3710.8	3732.6	3742.5	3766.3	3758.4	3736.6	3722.7	3706.8	3724.7
17.5°	3802.0	3809.9	3819.8	3841.6	3855.5	3883.2	3873.3	3849.5	3837.7	3821.8	3833.7
20°	3934.8	3936.8	3942.7	3966.5	3976.4	4008.1	4010.1	3986.3	3980.4	3964.5	3982.4
22.5°	4081.5	4083.5	4089.4	4115.2	4133.0	4152.8	4164.7	4150.8	4140.9	4121.1	4142.9
25°	4244.0	4263.8	4269.8	4301.5	4321.3	4333.2	4347.1	4341.1	4327.3	4303.5	4313.4
27.5°	4472.0	4475.9	4485.8	4521.5	4533.4	4545.3	4559.2	4561.2	4541.4	4513.6	4527.5
30°	4731.6	4729.7	4751.5	4779.2	4789.1	4799.0	4818.9	4830.8	4805.0	4775.3	4789.1
32.5°	4997.3	5021.1	5048.8	5074.6	5068.6	5072.6	5104.3	5126.1	5090.4	5036.9	5048.8
35°	5296.6	5312.4	5348.1	5385.8	5377.9	5371.9	5391.7	5413.5	5364.0	5294.6	5312.4
37.5°	5603.8	5627.6	5681.1	5726.7	5714.8	5687.1	5708.9	5732.7	5685.1	5605.8	5597.9
40°	5946.8	5984.4	6061.7	6099.4	6067.7	6014.2	6051.8	6109.3	6061.7	5970.6	5948.8
42.5°	6349.2	6394.8	6472.1	6529.6	6460.2	6373.0	6436.4	6519.6	6507.8	6386.8	6349.2
45°	6846.7	6876.5	6971.6	6999.4	6896.3	6775.4	6890.3	7017.2	6987.5	6856.6	6807.1
47.5°	7387.9	7433.5	7516.7	7568.3	7401.7	7251.1	7411.7	7582.1	7550.4	7427.5	7370.0
50°	8077.7	8137.2	8246.2	8289.8	8059.9	7887.4	8093.6	8309.6	8248.2	8083.6	8008.3
52.5°	8829.0	8876.5	9062.9	9150.1	8934.0	8747.7	8928.1	9140.2	9009.4	8791.3	8690.2
55°	9491.0	9538.6	9812.2	10101.6	10091.7	9962.8	10054.0	10058.0	9703.1	9342.4	9235.3
57.5°	9633.8	9681.3	10202.7	10959.9	11495.1	11643.8	11376.2	10813.2	9919.2	9286.9	9166.0
60°	8872.6	8926.1	9754.7	11138.3	12898.5	13891.7	12658.7	10797.4	9251.2	8394.9	8279.9
62.5°	6874.5	6932.0	8046.0	10123.4	13465.5	16141.5	13031.4	9661.5	7609.9	6525.6	6424.5
65°	3282.6	3282.6	4697.9	7261.0	12335.6	16088.0	11953.0	7148.0	4581.0	3518.5	3431.3
67.5°	812.7	816.7	1209.2	2826.7	8390.9	12839.1	8527.7	3431.3	1613.6	1141.8	1112.0
70°	507.5	505.5	561.0	765.2	2935.7	7792.3	3486.8	1034.7	656.1	578.8	574.9
72.5°	394.5	394.5	422.2	489.6	769.1	2654.2	1016.9	574.9	475.7	428.2	428.2
75°	311.2	311.2	331.0	366.7	453.9	683.9	541.2	426.2	368.7	337.0	333.0
77.5°	231.9	235.9	251.7	275.5	309.2	384.6	342.9	321.1	287.4	263.6	255.7
80°	150.7	156.6	176.4	190.3	202.2	253.7	224.0	233.9	218.0	190.3	186.3
82.5°	81.3	83.3	107.0	111.0	115.0	138.8	142.7	148.7	154.6	120.9	113.0
85°	29.7	29.7	35.7	41.6	45.6	49.6	67.4	83.3	87.2	69.4	67.4
87.5°	5.9	5.9	5.9	4.0	4.0	4.0	11.9	21.8	35.7	27.8	27.8
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)