

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: P643631

Luminaire Tested: GWS-SA6F-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49765.3 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

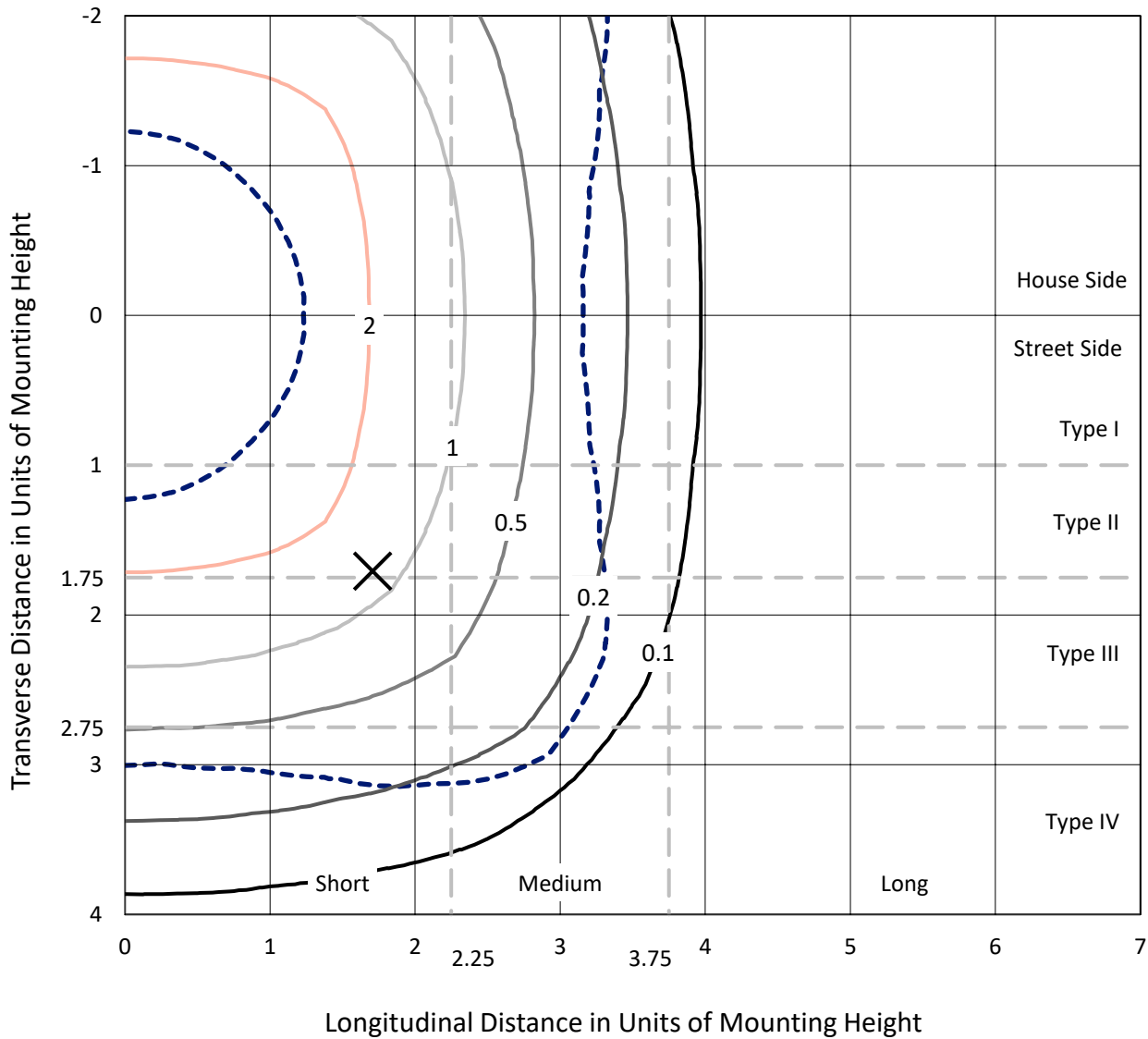
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

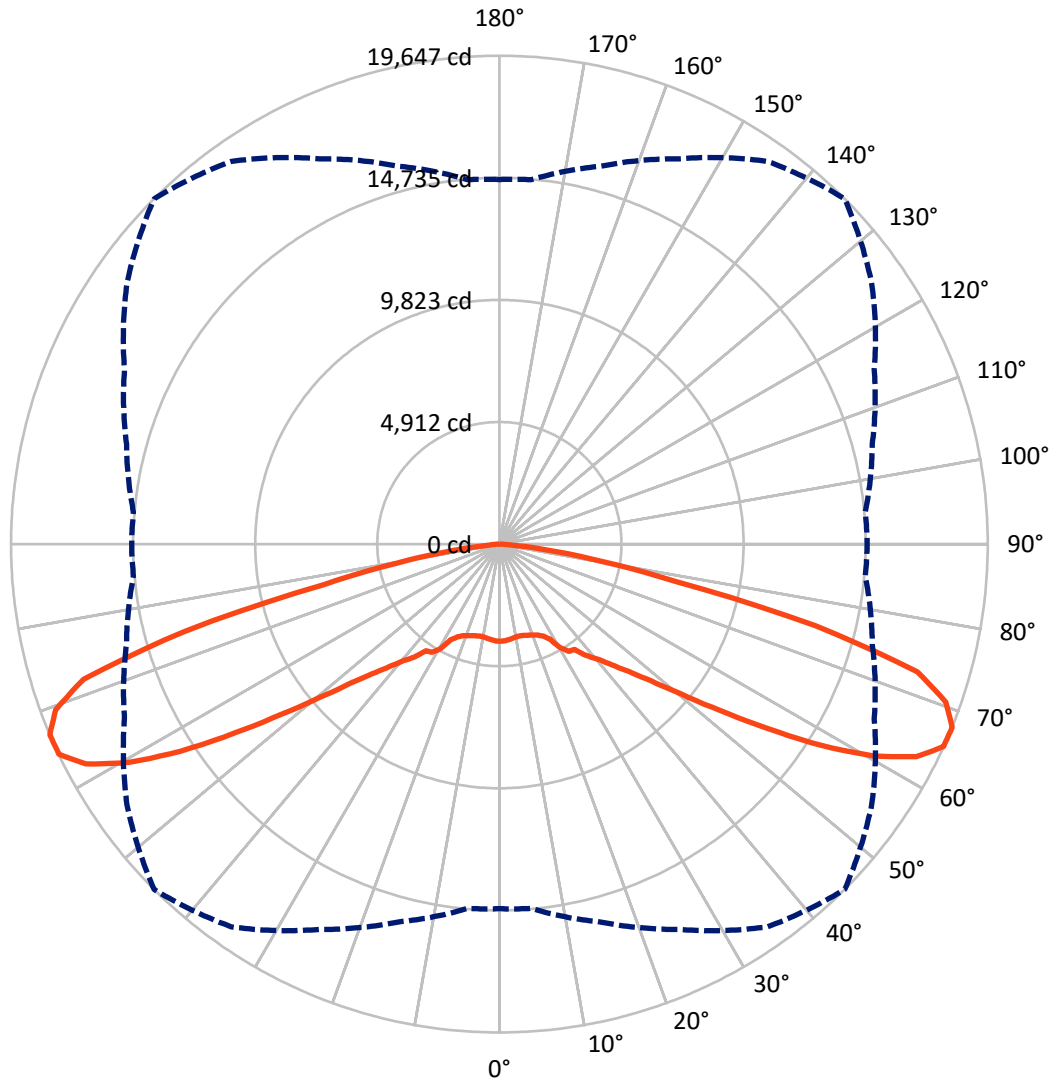
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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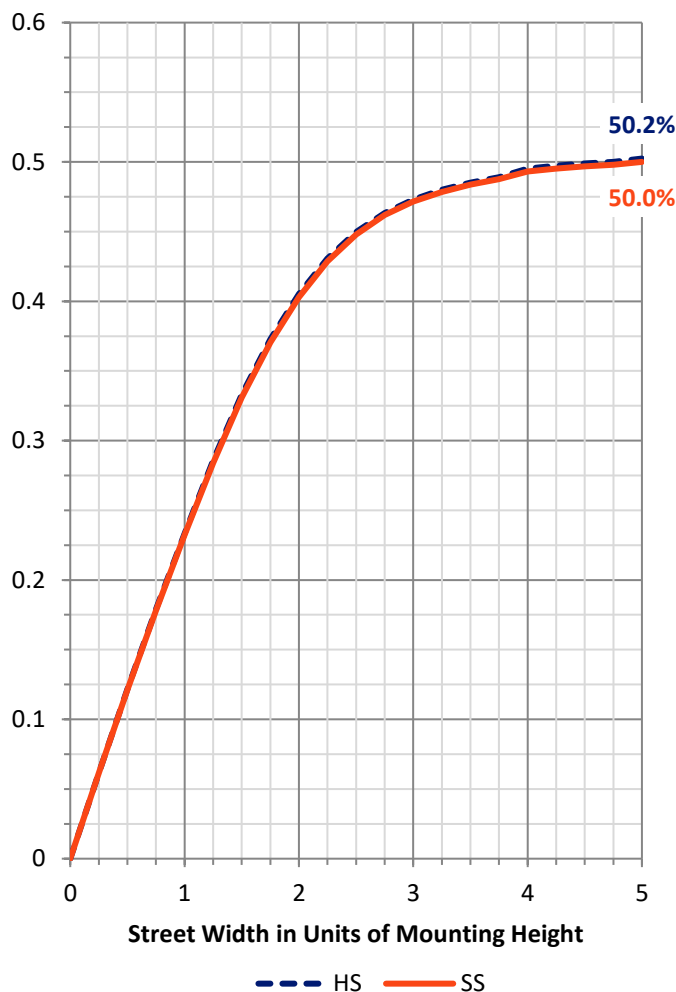
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24882.6	0.0	24882.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24882.6	0.0	24882.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	49765.3	0.0	49765.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.4	0.7
10°-20°	1087.4	2.2
20°-30°	1950.6	3.9
30°-40°	3295.2	6.6
40°-50°	5789.6	11.6
50°-60°	11168.4	22.4
60°-70°	16203.8	32.6
70°-80°	9271.1	18.6
80°-90°	632.8	1.3
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°	49765.3	100.0
0°-180°	49765.3	100.0

Coefficient of Utilization



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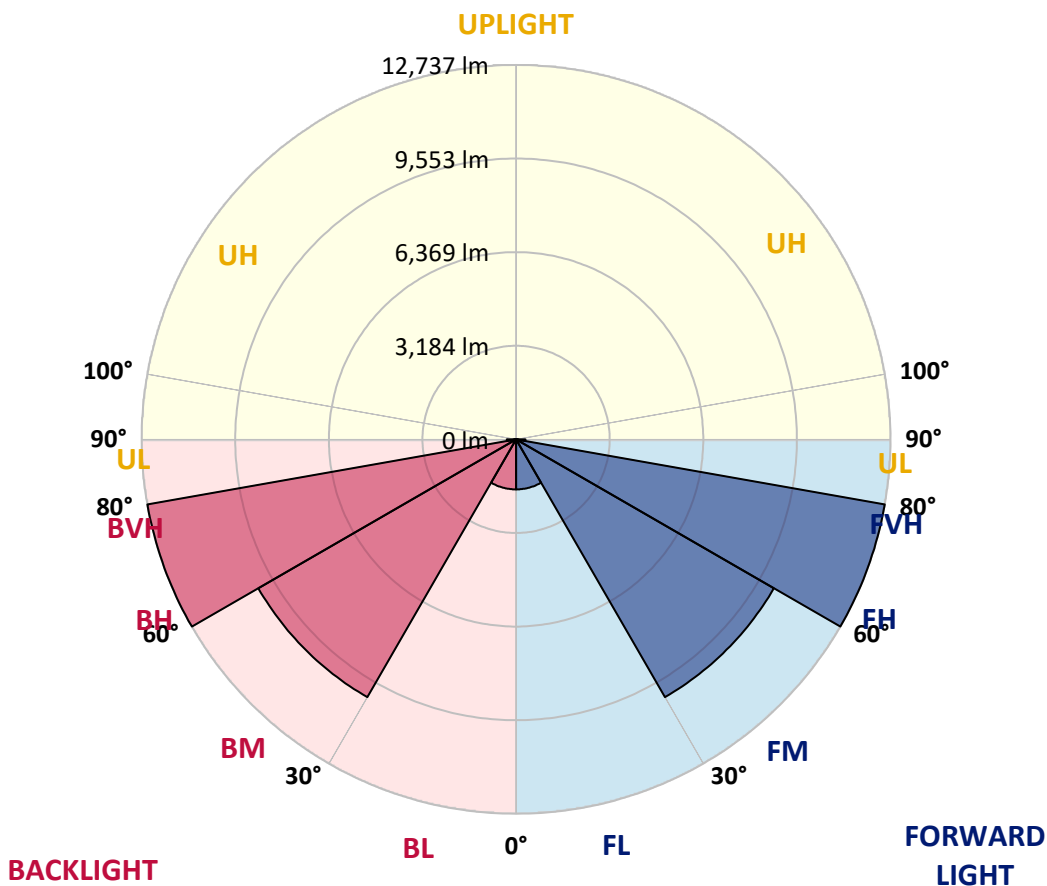
CATALOG NUMBER: GWS-SA6F-735-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.2	3.4			
FM (30°-60°)	10126.6	20.3			
FH (60°-80°)	12737.5	25.6			G5
FVH (80°-90°)	316.4	0.6			G3/500
BL (0°-30°)	1702.2	3.4	B3/2500		
BM (30°-60°)	10126.6	20.3	B5		
BH (60°-80°)	12737.5	25.6	B5		G5
BVH (80°-90°)	316.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3902.6	3902.6	3902.6	3902.6	3902.6	3902.6	3902.6	3902.6	3902.6	3902.6	3902.6
2.5°	3870.9	3874.5	3881.5	3881.5	3888.5	3899.1	3902.6	3895.6	3899.1	3881.5	3899.1
5°	3860.4	3863.9	3867.4	3860.4	3860.4	3863.9	3863.9	3856.9	3860.4	3842.8	3860.4
7.5°	3835.8	3839.3	3839.3	3828.7	3818.2	3825.2	3825.2	3818.2	3821.7	3804.1	3825.2
10°	3814.6	3814.6	3811.1	3790.0	3779.4	3790.0	3793.5	3797.0	3811.1	3797.0	3821.7
12.5°	3828.7	3828.7	3818.2	3790.0	3772.4	3779.4	3786.5	3793.5	3818.2	3814.6	3842.8
15°	3867.4	3870.9	3842.8	3811.1	3800.6	3811.1	3804.1	3800.6	3832.2	3842.8	3874.5
17.5°	3899.1	3899.1	3863.9	3832.2	3835.8	3853.3	3839.3	3821.7	3853.3	3874.5	3909.7
20°	3927.2	3923.7	3885.0	3863.9	3878.0	3902.6	3892.1	3867.4	3888.5	3913.2	3944.8
22.5°	3997.6	3994.1	3951.9	3941.3	3955.4	3980.0	3969.5	3948.4	3973.0	4008.2	4046.9
25°	4198.2	4191.2	4127.8	4092.6	4085.6	4103.2	4099.7	4092.6	4131.4	4173.6	4219.3
27.5°	4465.7	4462.1	4416.4	4381.2	4335.5	4321.4	4331.9	4363.6	4419.9	4451.6	4490.3
30°	4599.4	4599.4	4592.3	4648.7	4747.2	4842.2	4768.3	4648.7	4599.4	4585.3	4624.0
32.5°	4775.3	4792.9	4768.3	4831.6	4997.0	5137.8	4997.0	4803.5	4768.3	4768.3	4810.5
35°	5180.0	5187.1	5148.4	5137.8	5190.6	5208.2	5141.3	5070.9	5109.6	5116.7	5169.5
37.5°	5503.8	5503.8	5486.2	5514.3	5623.4	5690.3	5581.2	5454.5	5465.1	5472.1	5539.0
40°	6003.5	6017.6	5975.3	5971.8	6014.0	6073.9	5957.7	5876.8	5933.1	5950.7	6052.7
42.5°	6626.4	6626.4	6563.0	6545.4	6573.6	6636.9	6527.8	6475.0	6548.9	6563.0	6622.8
45°	7368.9	7386.5	7302.0	7270.3	7284.4	7305.5	7228.1	7203.5	7273.9	7305.5	7411.1
47.5°	8273.3	8290.9	8217.0	8213.4	8199.4	8213.4	8139.5	8125.5	8181.8	8157.1	8269.7
50°	9388.8	9420.5	9357.1	9445.1	9434.5	9476.8	9374.7	9300.8	9300.8	9234.0	9297.3
52.5°	10638.1	10701.4	10733.1	10880.9	10993.5	11099.1	10930.1	10814.0	10645.1	10507.9	10680.3
55°	11999.9	11982.3	12182.9	12506.7	12837.5	13087.3	12756.5	12390.5	12116.1	11831.0	11897.9
57.5°	13192.9	13252.7	13516.6	14107.8	14762.4	15290.2	14695.5	13991.7	13368.8	12960.6	13016.9
60°	14185.3	14234.5	14586.4	15438.0	16581.7	17310.2	16367.1	15205.8	14301.4	13738.3	13798.2
62.5°	15100.2	15145.9	15501.4	16441.0	17883.8	18833.9	17616.3	16029.2	15022.8	14456.2	14491.4
65°	15628.1	15656.2	16141.8	17130.7	18650.9	19632.7	18260.3	16623.9	15635.1	15058.0	15079.1
67.5°	14667.4	14713.1	15737.1	17102.5	18798.7	19646.8	18288.5	16641.5	15529.5	14776.4	14794.0
70°	11570.6	11531.9	12753.0	15100.2	17950.6	19055.6	17475.6	15392.3	13675.0	12622.8	12605.2
72.5°	8822.2	8832.8	9512.0	11120.2	14635.7	17584.6	15420.4	12394.1	10543.0	9744.2	9712.6
75°	6397.6	6496.1	7048.6	8227.5	10236.9	13143.6	11609.3	9184.7	7946.0	7467.4	7397.0
77.5°	2882.1	3008.8	3779.4	5166.0	6844.5	7263.3	7291.5	6235.7	4705.0	3909.7	3786.5
80°	841.1	900.9	1157.8	1981.2	3188.3	4120.8	3272.7	2751.9	1713.8	1344.3	1280.9
82.5°	355.4	404.7	496.2	549.0	925.5	1910.8	1189.4	756.6	703.8	570.1	520.8
85°	151.3	161.9	207.6	221.7	299.1	408.2	376.5	341.3	327.3	253.4	232.3
87.5°	63.3	63.3	63.3	56.3	52.8	56.3	77.4	98.5	130.2	102.1	95.0
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)