

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: P643629

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25832.8 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

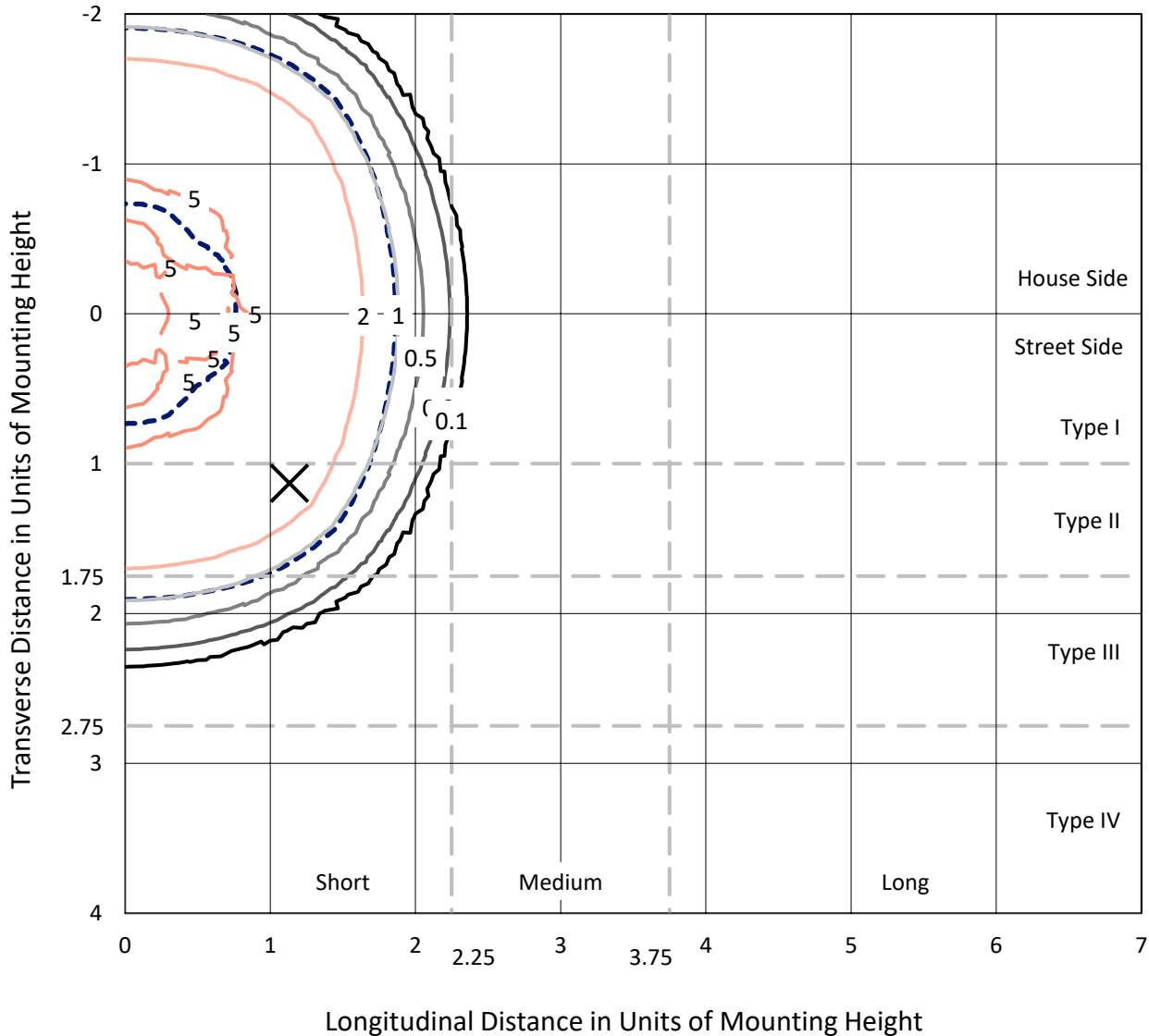
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

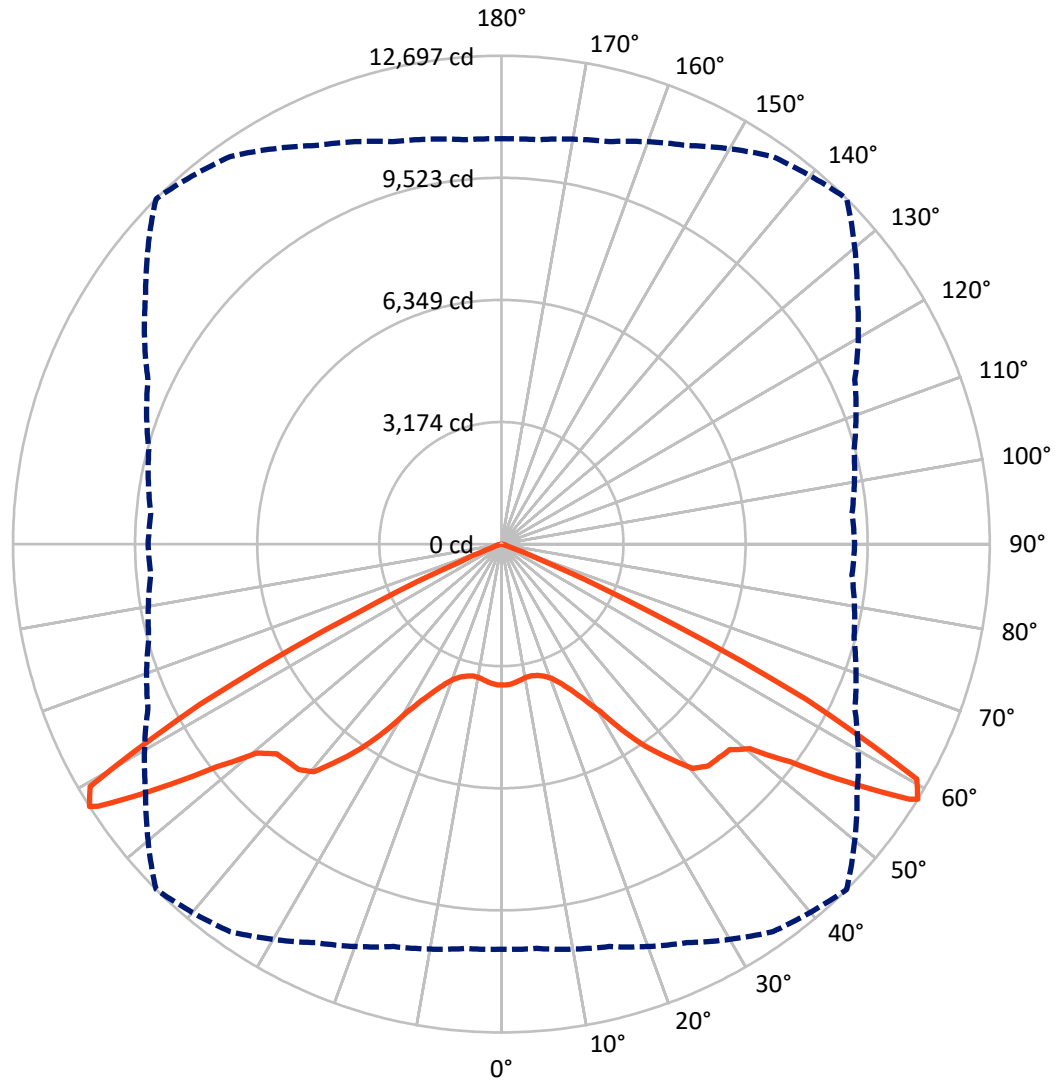
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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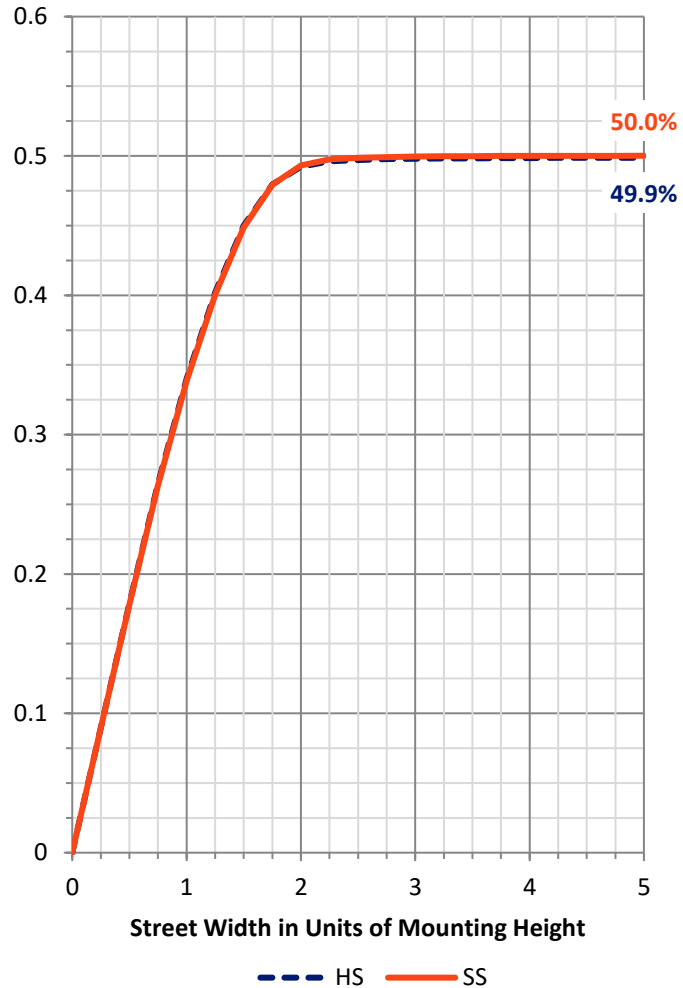
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12916.4	0.0	12916.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12916.4	0.0	12916.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25832.8	0.0	25832.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.8	1.3
10°-20°	1011.4	3.9
20°-30°	1912.8	7.4
30°-40°	3772.4	14.6
40°-50°	5969.8	23.1
50°-60°	8775.3	34.0
60°-70°	3916.9	15.2
70°-80°	131.2	0.5
80°-90°	1.1	0.0
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°	25832.8	100.0
0°-180°	25832.8	100.0

Coefficient of Utilization



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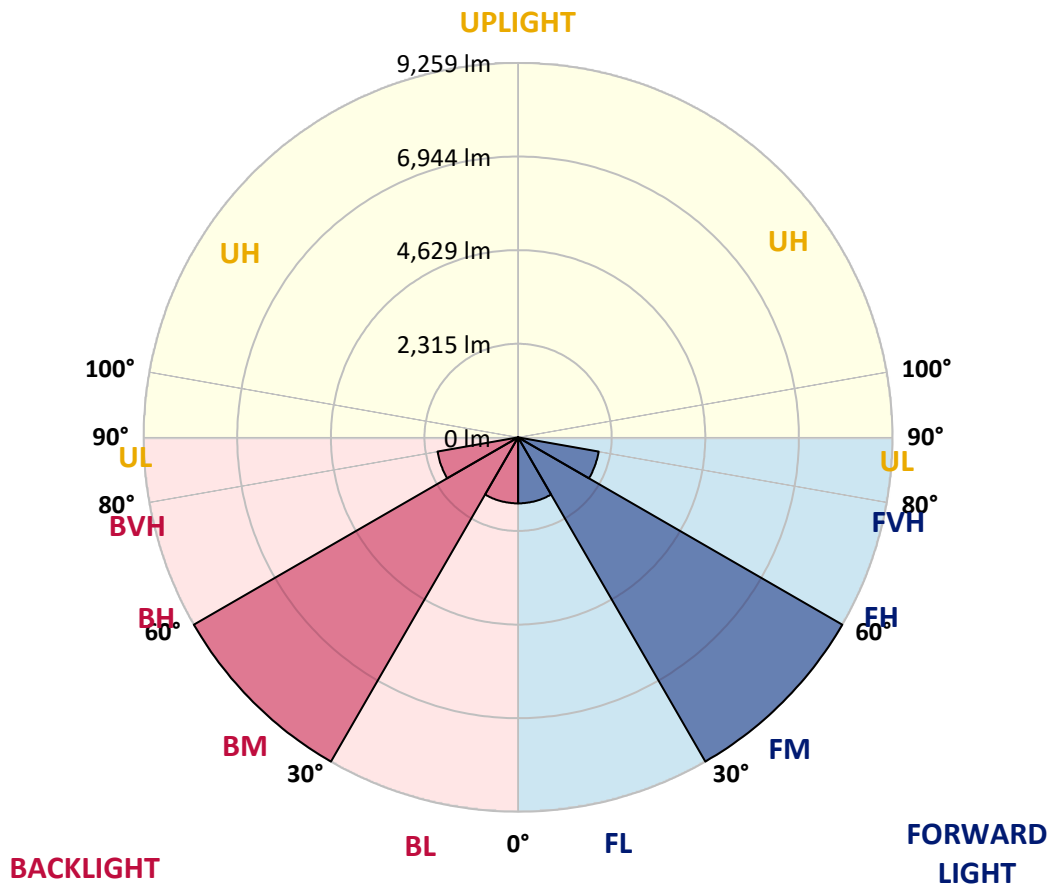
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1633.0	6.3			
FM (30°-60°)	9258.8	35.8			
FH (60°-80°)	2024.1	7.8			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1633.0	6.3	B3/2500		
BM (30°-60°)	9258.8	35.8	B5		
BH (60°-80°)	2024.1	7.8	B3/2500		G2/5000
BVH (80°-90°)	0.5	0.0			G0/10
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°	3663.4	3663.4	3663.4	3663.4	3663.4	3663.4	3663.4	3663.4	3663.4	3663.4	3663.4
2.5°	3628.2	3635.3	3642.3	3645.8	3649.4	3659.9	3663.4	3652.9	3652.9	3631.8	3656.4
5°	3610.6	3617.7	3624.7	3621.2	3621.2	3621.2	3617.7	3603.6	3600.1	3579.0	3603.6
7.5°	3579.0	3586.0	3586.0	3575.5	3568.4	3568.4	3564.9	3547.3	3543.8	3522.7	3547.3
10°	3554.3	3557.9	3554.3	3533.2	3519.1	3519.1	3515.6	3508.6	3512.1	3498.0	3519.1
12.5°	3568.4	3571.9	3557.9	3529.7	3512.1	3508.6	3498.0	3487.5	3498.0	3494.5	3515.6
15°	3614.2	3617.7	3593.1	3557.9	3543.8	3543.8	3515.6	3487.5	3501.6	3505.1	3529.7
17.5°	3670.5	3670.5	3638.8	3607.1	3610.6	3610.6	3564.9	3515.6	3519.1	3533.2	3557.9
20°	3737.3	3737.3	3705.7	3698.6	3723.3	3726.8	3670.5	3593.1	3575.5	3586.0	3614.2
22.5°	3857.0	3857.0	3832.4	3850.0	3906.3	3923.9	3839.4	3730.3	3688.1	3695.1	3723.3
25°	4043.5	4043.5	4036.5	4078.7	4159.6	4198.3	4085.7	3941.4	3871.1	3860.5	3892.2
27.5°	4356.7	4360.2	4349.7	4413.0	4515.1	4560.8	4406.0	4215.9	4131.5	4113.9	4145.6
30°	4761.4	4761.4	4764.9	4852.9	4986.6	5046.5	4842.4	4620.6	4522.1	4465.8	4508.0
32.5°	5211.9	5218.9	5254.1	5401.9	5637.7	5760.8	5461.7	5152.0	4993.7	4933.8	4979.6
35°	5954.4	5887.5	5845.3	5954.4	6295.8	6457.6	6074.1	5711.6	5591.9	5584.9	5701.0
37.5°	6689.9	6651.2	6563.2	6675.8	6982.0	7055.9	6633.6	6331.0	6246.5	6292.2	6408.4
40°	7274.1	7203.7	7087.6	7193.1	7594.3	7668.2	7147.4	6848.3	6816.6	6918.6	7077.0
42.5°	7735.1	7636.6	7481.7	7506.3	7830.1	7882.9	7421.9	7196.7	7217.8	7344.5	7523.9
45°	7942.7	7865.3	7728.1	7717.5	7921.6	7925.1	7562.7	7446.5	7502.8	7601.4	7742.1
47.5°	8030.7	7995.5	7918.1	7900.5	8016.6	7988.5	7763.2	7714.0	7766.8	7794.9	7875.9
50°	8248.9	8248.9	8259.4	8273.5	8393.2	8365.0	8206.7	8150.4	8083.5	7985.0	8009.6
52.5°	8861.2	8885.9	8987.9	9100.5	9318.7	9410.2	9153.3	8826.0	8505.8	8291.1	8291.1
55°	9966.2	9990.9	10110.5	10300.6	10701.7	10919.9	10321.7	9600.2	9160.3	8868.3	8907.0
57.5°	10575.0	10603.2	10849.5	11363.3	12141.1	12510.6	11226.1	10156.3	9540.4	9206.1	9234.2
58°	10536.3	10553.9	10831.9	11433.7	12299.4	12697.1	11289.4	10138.7	9491.1	9149.8	9185.0
60°	9360.9	9336.3	9779.7	10638.4	11859.5	12408.5	10659.5	9255.4	8502.3	8153.9	8171.5
62.5°	6119.8	6133.9	6517.5	7414.8	8365.0	8882.3	7446.5	6401.3	5796.0	5584.9	5532.1
65°	2554.9	2509.2	2744.9	3244.7	3814.8	4103.3	3526.2	2984.2	2611.2	2470.4	2509.2
67.5°	658.1	640.5	654.6	820.0	1003.0	1186.0	995.9	760.1	661.6	668.6	668.6
70°	373.0	351.9	285.1	263.9	256.9	256.9	256.9	256.9	295.6	348.4	359.0
72.5°	281.5	263.9	207.6	179.5	158.4	147.8	154.8	179.5	214.7	260.4	267.5
75°	140.8	140.8	126.7	119.7	105.6	98.5	102.1	112.6	130.2	147.8	144.3
77.5°	28.2	31.7	35.2	42.2	35.2	35.2	35.2	42.2	42.2	45.7	42.2
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	0.0	3.5	3.5	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)