

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: P643458

Luminaire Tested: GWS-SA6F-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22399.1 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

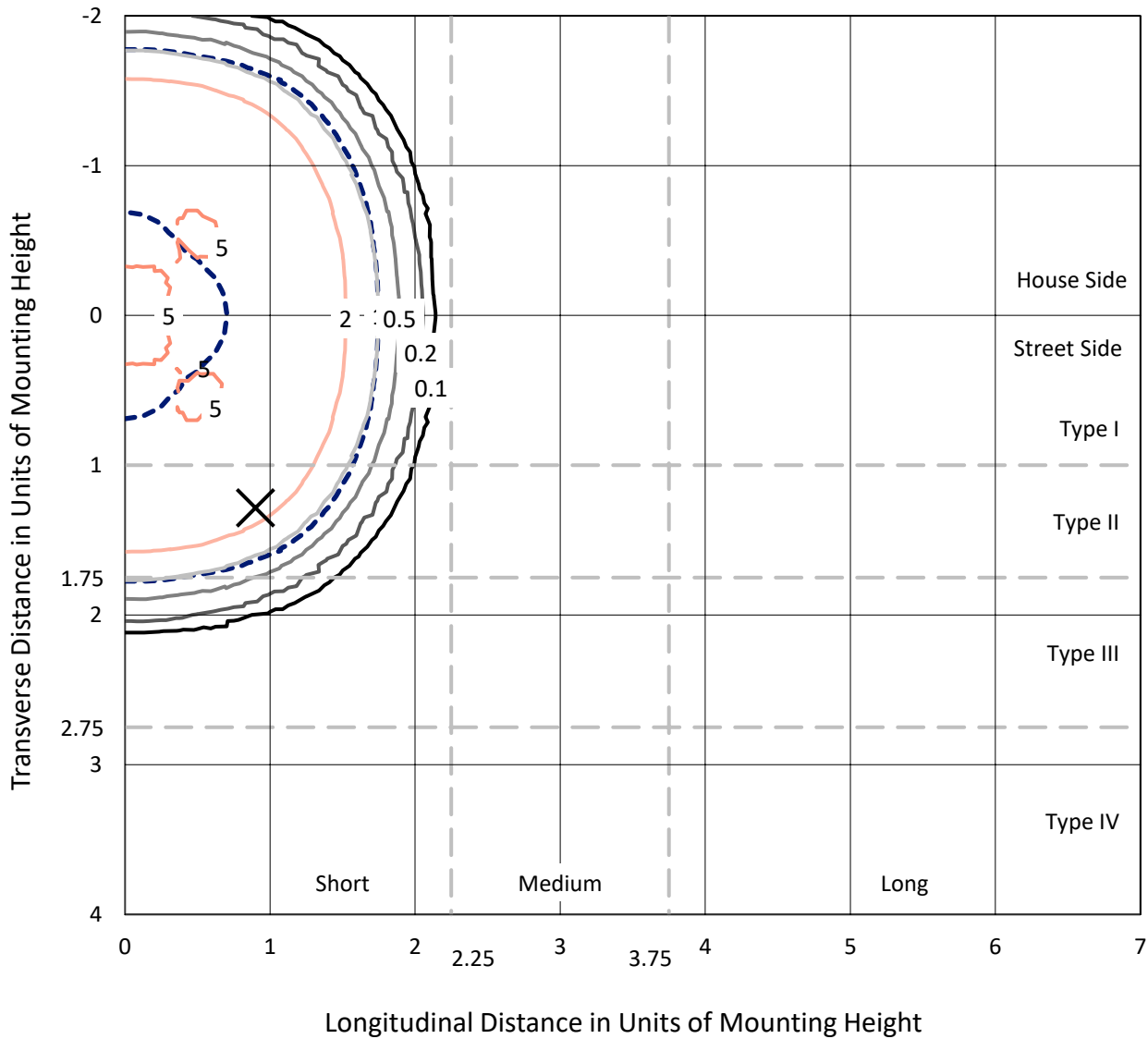


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Iso-Footcandle Lines of Horizontal Illumination

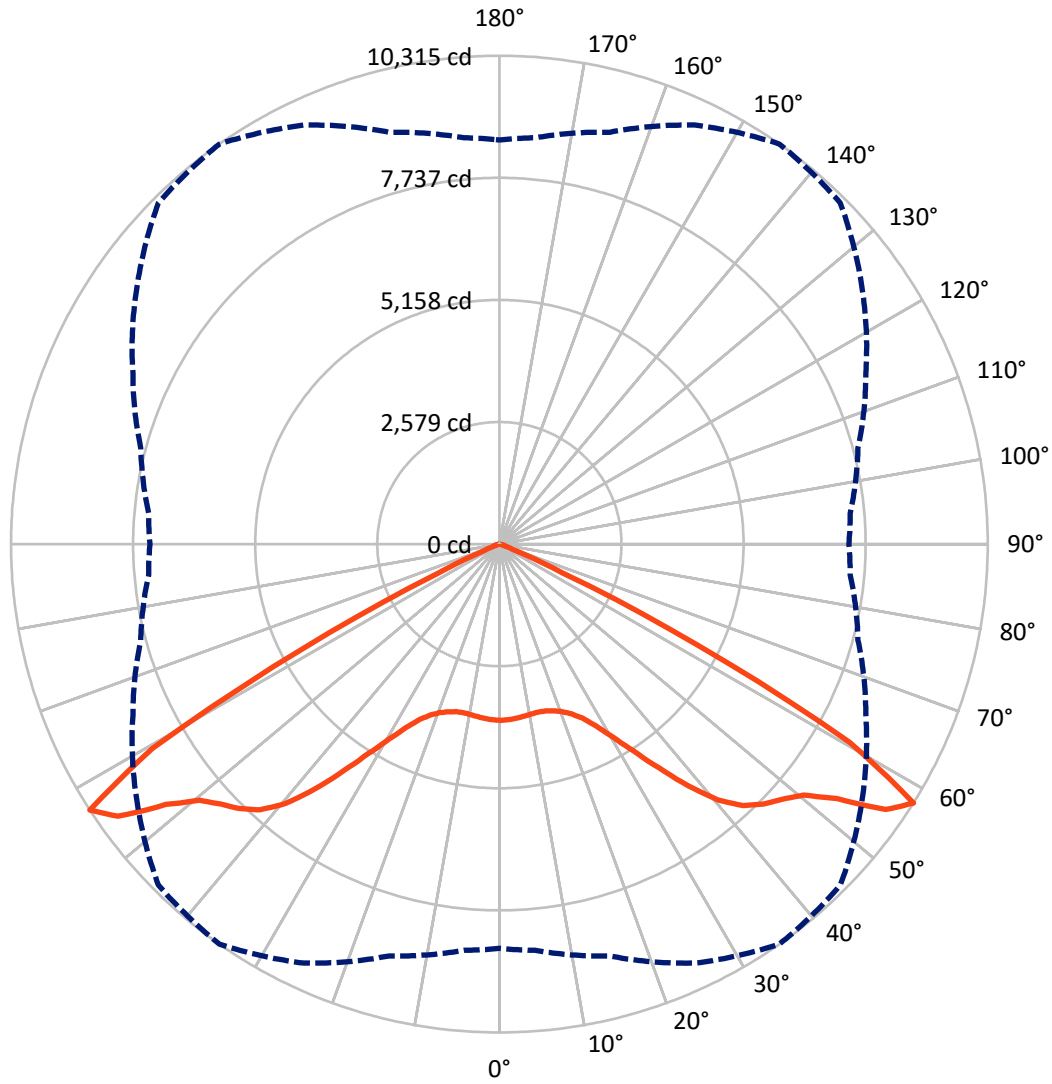
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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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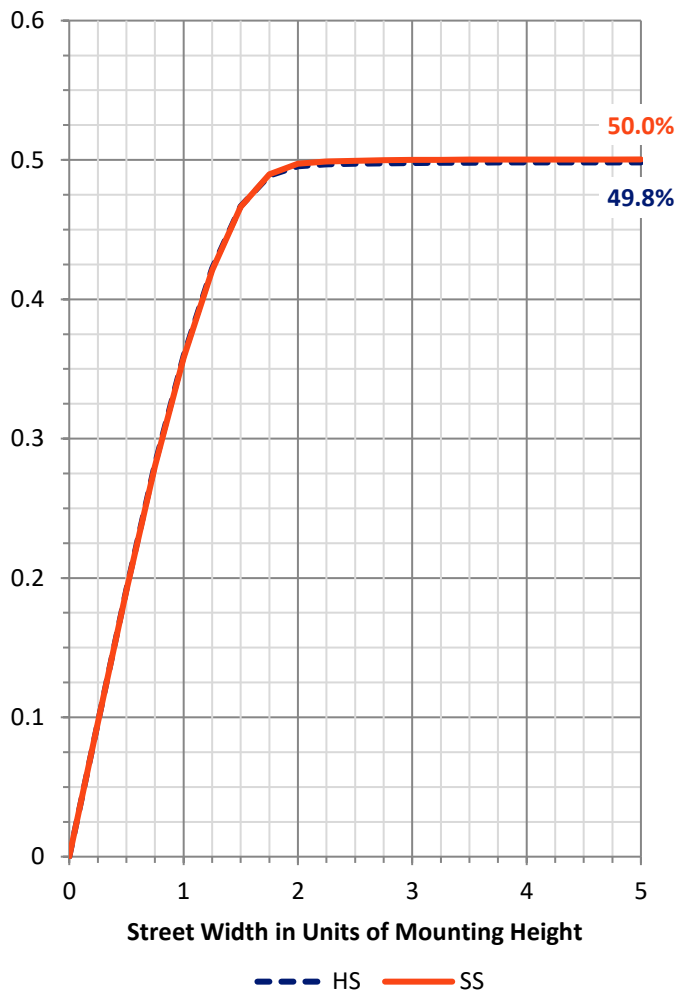
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11199.5	0.0	11199.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11199.5	0.0	11199.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22399.1	0.0	22399.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.9	1.6
10°-20°	1032.1	4.6
20°-30°	1865.6	8.3
30°-40°	3480.4	15.5
40°-50°	5838.4	26.1
50°-60°	7710.2	34.4
60°-70°	2047.6	9.1
70°-80°	72.7	0.3
80°-90°	1.3	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°	22399.1	100.0
0°-180°	22399.1	100.0

Coefficient of Utilization



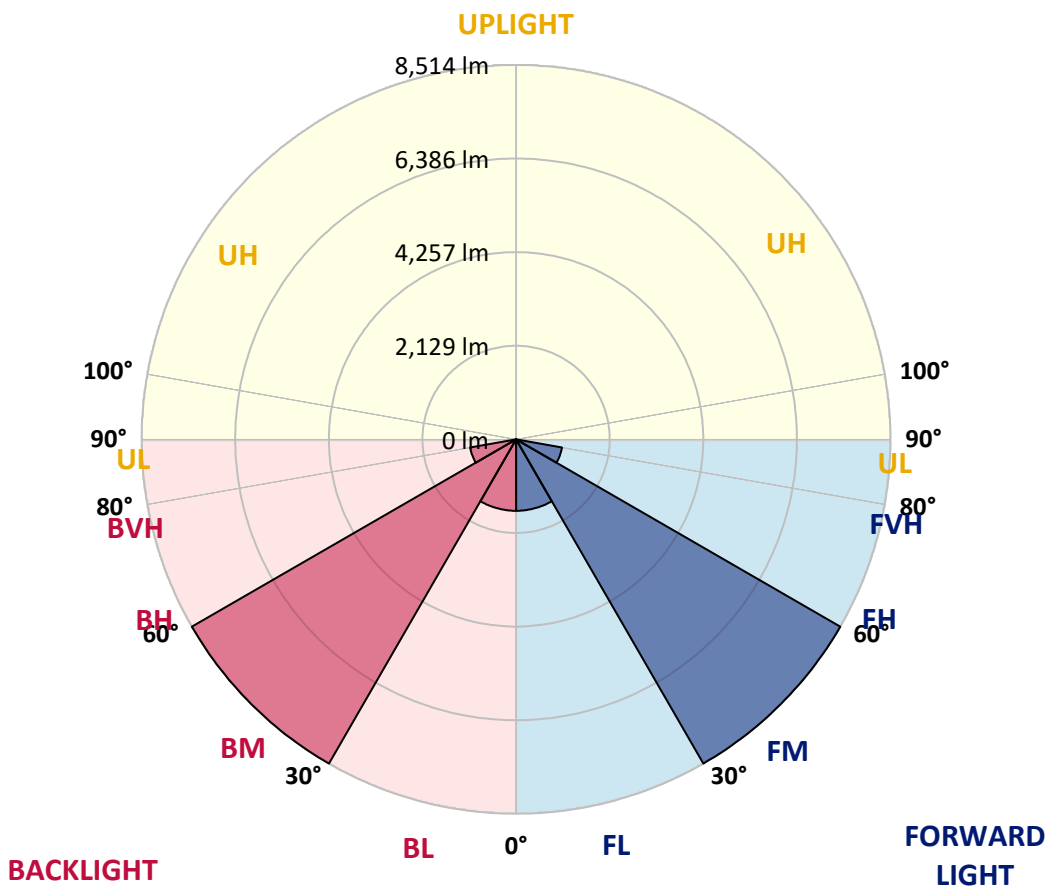
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1624.3	7.3			
FM (30°-60°)	8514.5	38.0			
FH (60°-80°)	1060.2	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1624.3	7.3	B3/2500		
BM (30°-60°)	8514.5	38.0	B5		
BH (60°-80°)	1060.2	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3724.1	3724.1	3724.1	3724.1	3724.1	3724.1	3724.1	3724.1	3724.1	3724.1	3724.1
2.5°	3697.8	3695.1	3705.7	3713.5	3713.5	3731.9	3726.7	3721.4	3716.2	3708.3	3726.7
5°	3692.5	3689.9	3697.8	3703.0	3697.8	3713.5	3703.0	3692.5	3687.3	3676.7	3697.8
7.5°	3668.9	3671.5	3676.7	3682.0	3674.1	3687.3	3674.1	3658.3	3645.2	3634.7	3653.1
10°	3632.1	3634.7	3640.0	3650.5	3653.1	3671.5	3653.1	3624.2	3605.8	3590.0	3608.4
12.5°	3613.7	3616.3	3624.2	3637.3	3640.0	3663.6	3640.0	3597.9	3571.6	3553.2	3571.6
15°	3618.9	3624.2	3634.7	3650.5	3655.7	3679.4	3647.8	3592.6	3555.9	3532.2	3548.0
17.5°	3637.3	3642.6	3658.3	3684.6	3703.0	3726.7	3687.3	3616.3	3566.4	3532.2	3548.0
20°	3661.0	3668.9	3695.1	3737.2	3776.6	3818.7	3768.7	3671.5	3605.8	3563.7	3576.9
22.5°	3726.7	3734.6	3771.4	3826.5	3892.3	3944.8	3884.4	3760.8	3671.5	3616.3	3629.4
25°	3860.7	3868.6	3915.9	3986.9	4071.0	4139.3	4063.1	3908.0	3792.4	3729.3	3734.6
27.5°	4071.0	4078.8	4134.0	4233.9	4346.9	4444.2	4333.8	4152.4	4021.0	3947.4	3947.4
30°	4336.4	4346.9	4420.5	4554.5	4730.6	4859.4	4709.6	4488.8	4320.6	4220.8	4223.4
32.5°	4678.1	4667.5	4772.7	4956.6	5206.3	5377.1	5156.4	4888.3	4680.7	4541.4	4554.5
35°	5117.0	5114.3	5232.6	5482.3	5808.2	6013.1	5750.3	5403.4	5153.8	5011.8	5014.5
37.5°	5682.0	5679.4	5816.0	6086.7	6478.3	6649.2	6354.8	6002.6	5734.6	5597.9	5613.7
40°	6344.3	6328.5	6449.4	6709.6	7101.2	7211.6	6890.9	6607.1	6349.5	6262.8	6304.9
42.5°	6975.0	6940.9	7011.8	7248.4	7550.6	7566.4	7324.6	7130.1	6954.0	6885.7	6912.0
45°	7482.3	7456.0	7521.7	7658.4	7831.8	7753.0	7637.3	7576.9	7435.0	7361.4	7385.0
47.5°	7860.7	7860.7	7939.6	8023.7	8049.9	7905.4	7923.8	7923.8	7781.9	7666.2	7637.3
50°	8186.6	8210.3	8328.5	8415.3	8328.5	8144.6	8249.7	8228.7	7939.6	7708.3	7647.8
52.5°	8707.0	8730.6	8912.0	9030.2	8933.0	8751.7	8764.8	8502.0	8076.2	7802.9	7708.3
55°	9258.9	9316.7	9579.5	9894.9	9897.5	9710.9	9364.0	8898.8	8381.1	8084.1	7986.9
57.5°	8536.1	8615.0	9006.6	9766.1	10315.4	10186.6	9358.8	8541.4	7842.3	7437.6	7382.4
60°	5873.9	6010.5	6402.1	7440.2	8499.4	8549.3	7571.6	6654.4	5852.8	5353.5	5364.0
62.5°	2480.9	2620.2	2841.0	3695.1	4667.5	4728.0	4254.9	3597.9	2943.5	2583.4	2638.6
65°	583.4	622.9	688.6	1022.3	1482.3	1550.6	1429.7	1114.3	822.6	696.5	709.6
67.5°	254.9	260.2	247.0	262.8	325.9	333.8	323.3	283.8	268.1	273.3	273.3
70°	178.7	181.3	170.8	162.9	155.1	144.5	149.8	165.6	178.7	189.2	186.6
72.5°	110.4	113.0	115.6	115.6	107.8	97.2	102.5	113.0	115.6	118.3	115.6
75°	55.2	57.8	63.1	65.7	63.1	60.4	60.4	63.1	63.1	60.4	60.4
77.5°	10.5	13.1	18.4	21.0	21.0	21.0	21.0	21.0	23.7	21.0	21.0
80°	2.6	2.6	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3
82.5°	2.6	2.6	2.6	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
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)