

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: P643686

Luminaire Tested: GWS-SA6F-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643686
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-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50456.9 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

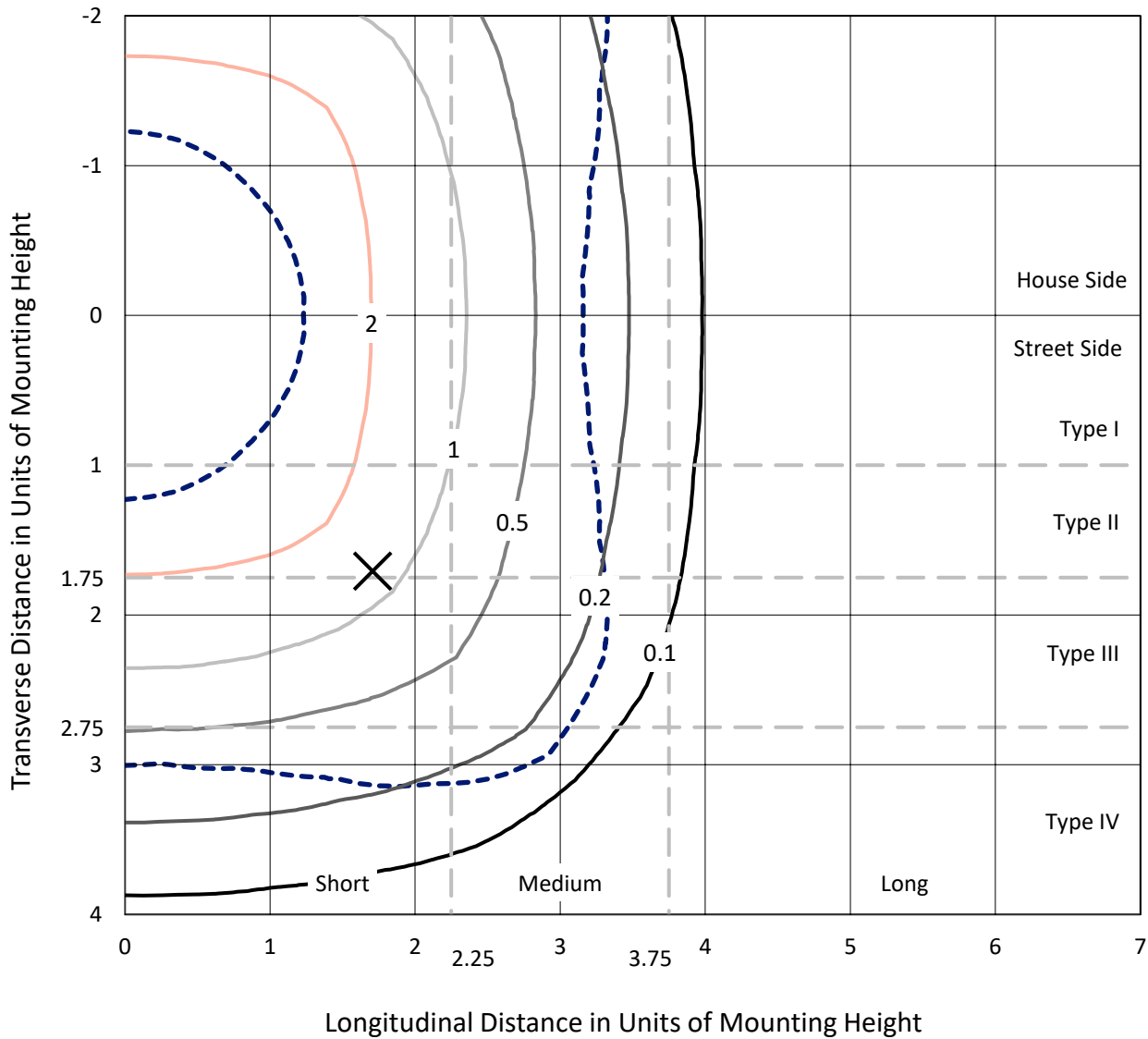
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

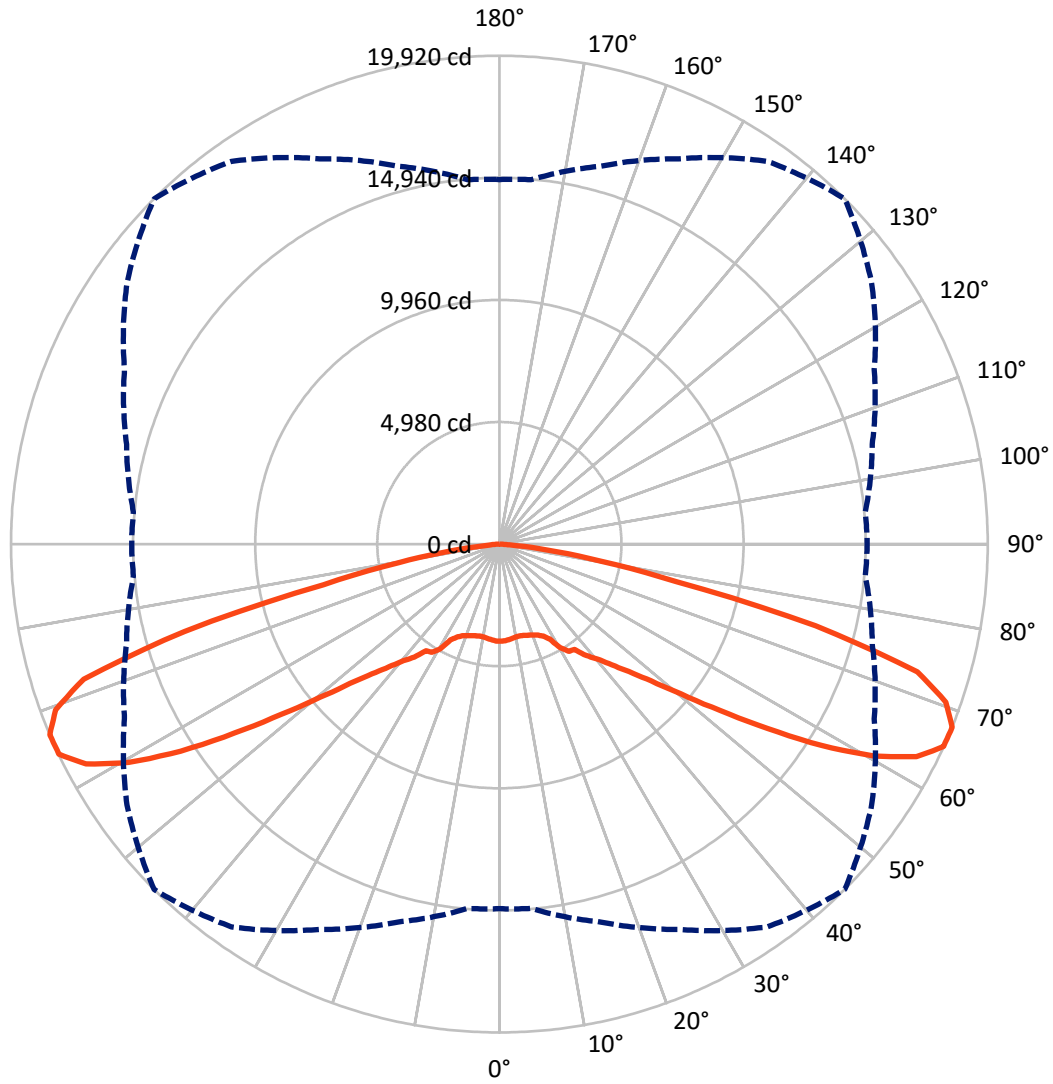
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 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	25228.5	0.0	25228.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25228.5	0.0	25228.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50456.9	0.0	50456.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.5	0.7
10°-20°	1102.5	2.2
20°-30°	1977.7	3.9
30°-40°	3341.0	6.6
40°-50°	5870.1	11.6
50°-60°	11323.6	22.4
60°-70°	16429.0	32.6
70°-80°	9400.0	18.6
80°-90°	641.6	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°	50456.9	100.0
0°-180°	50456.9	100.0

Coefficient of Utilization



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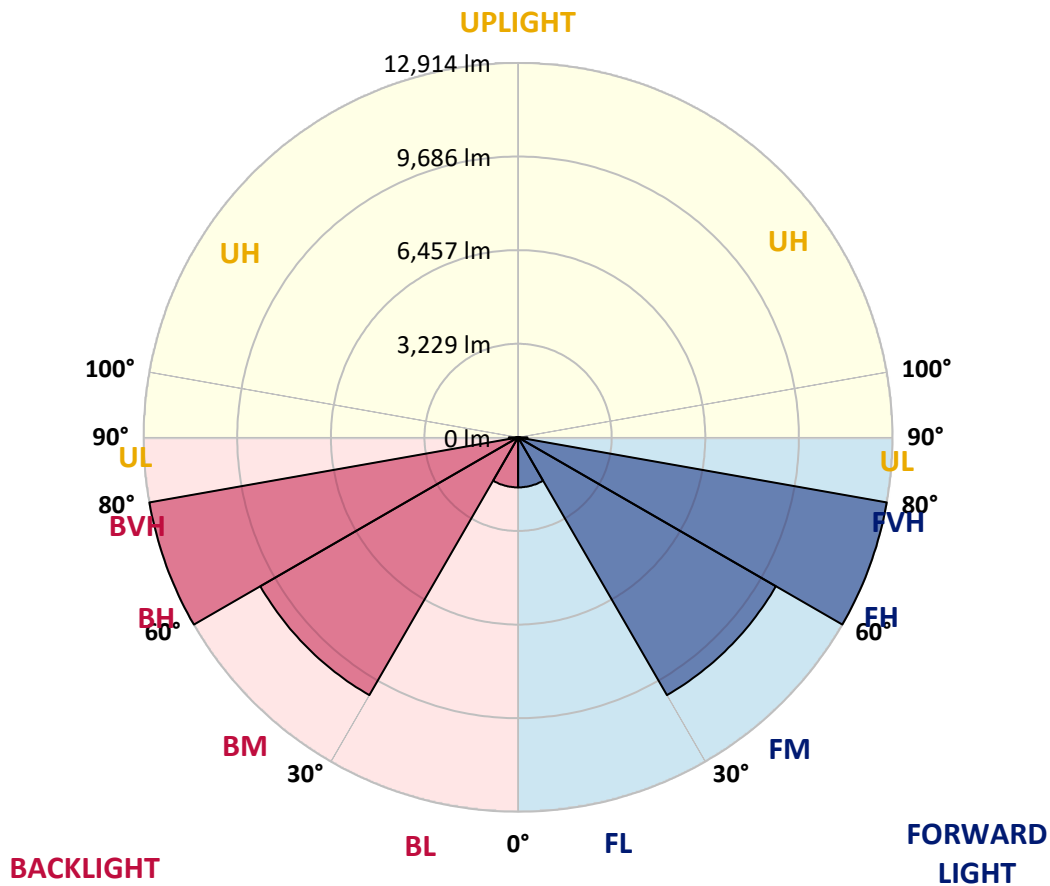
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1725.9	3.4			
FM (30°-60°)	10267.3	20.3			
FH (60°-80°)	12914.5	25.6			G5
FVH (80°-90°)	320.8	0.6			G3/500
BL (0°-30°)	1725.9	3.4	B3/2500		
BM (30°-60°)	10267.3	20.3	B5		
BH (60°-80°)	12914.5	25.6	B5		G5
BVH (80°-90°)	320.8	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°	3956.9	3956.9	3956.9	3956.9	3956.9	3956.9	3956.9	3956.9	3956.9	3956.9	3956.9
2.5°	3924.7	3928.3	3935.4	3935.4	3942.6	3953.3	3956.9	3949.7	3953.3	3935.4	3953.3
5°	3914.0	3917.6	3921.2	3914.0	3914.0	3917.6	3917.6	3910.5	3914.0	3896.2	3914.0
7.5°	3889.1	3892.6	3892.6	3881.9	3871.2	3878.4	3878.4	3871.2	3874.8	3856.9	3878.4
10°	3867.7	3867.7	3864.1	3842.7	3832.0	3842.7	3846.2	3849.8	3864.1	3849.8	3874.8
12.5°	3881.9	3881.9	3871.2	3842.7	3824.8	3832.0	3839.1	3846.2	3871.2	3867.7	3896.2
15°	3921.2	3924.7	3896.2	3864.1	3853.4	3864.1	3856.9	3853.4	3885.5	3896.2	3928.3
17.5°	3953.3	3953.3	3917.6	3885.5	3889.1	3906.9	3892.6	3874.8	3906.9	3928.3	3964.0
20°	3981.8	3978.3	3939.0	3917.6	3931.9	3956.9	3946.1	3921.2	3942.6	3967.6	3999.7
22.5°	4053.2	4049.6	4006.8	3996.1	4010.4	4035.3	4024.6	4003.2	4028.2	4063.9	4103.1
25°	4256.6	4249.4	4185.2	4149.5	4142.4	4160.2	4156.7	4149.5	4188.8	4231.6	4278.0
27.5°	4527.7	4524.2	4477.8	4442.1	4395.7	4381.4	4392.1	4424.3	4481.3	4513.5	4552.7
30°	4663.3	4663.3	4656.2	4713.3	4813.2	4909.5	4834.6	4713.3	4663.3	4649.0	4688.3
32.5°	4841.7	4859.5	4834.6	4898.8	5066.5	5209.2	5066.5	4870.2	4834.6	4834.6	4877.4
35°	5252.0	5259.2	5219.9	5209.2	5262.7	5280.6	5212.8	5141.4	5180.7	5187.8	5241.3
37.5°	5580.3	5580.3	5562.4	5591.0	5701.6	5769.4	5658.8	5530.3	5541.0	5548.2	5615.9
40°	6086.9	6101.2	6058.4	6054.8	6097.6	6158.3	6040.5	5958.5	6015.6	6033.4	6136.9
42.5°	6718.4	6718.4	6654.2	6636.4	6664.9	6729.1	6618.5	6565.0	6639.9	6654.2	6714.9
45°	7471.3	7489.1	7403.5	7371.4	7385.6	7407.1	7328.6	7303.6	7374.9	7407.1	7514.1
47.5°	8388.2	8406.1	8331.2	8327.6	8313.3	8327.6	8252.7	8238.4	8295.5	8270.5	8384.7
50°	9519.3	9551.4	9487.2	9576.4	9565.7	9608.5	9505.0	9430.1	9430.1	9362.3	9426.5
52.5°	10785.9	10850.1	10882.2	11032.1	11146.3	11253.3	11082.0	10964.3	10793.0	10653.9	10828.7
55°	12166.7	12148.9	12352.2	12680.5	13015.9	13269.2	12933.8	12562.7	12284.4	11995.4	12063.2
57.5°	13376.2	13436.9	13704.5	14303.9	14967.5	15502.7	14899.7	14186.1	13554.6	13140.7	13197.8
60°	14382.4	14432.3	14789.1	15652.6	16812.2	17550.7	16594.5	15417.1	14500.1	13929.3	13989.9
62.5°	15310.1	15356.4	15716.8	16669.4	18132.3	19095.6	17861.1	16252.0	15231.6	14657.1	14692.8
65°	15845.2	15873.8	16366.2	17368.8	18910.1	19905.6	18514.1	16855.0	15852.4	15267.2	15288.6
67.5°	14871.2	14917.6	15955.8	17340.2	19060.0	19919.8	18542.6	16872.8	15745.3	14981.8	14999.6
70°	11731.4	11692.2	12930.2	15310.1	18200.1	19320.4	17718.4	15606.2	13865.0	12798.2	12780.4
72.5°	8944.8	8955.5	9644.2	11274.7	14839.1	17829.0	15634.7	12566.3	10689.6	9879.6	9847.5
75°	6486.5	6586.4	7146.6	8341.9	10379.2	13326.3	11770.7	9312.3	8056.4	7571.2	7499.8
77.5°	2922.1	3050.6	3832.0	5237.7	6939.7	7364.2	7392.8	6322.4	4770.3	3964.0	3839.1
80°	852.7	913.4	1173.9	2008.8	3232.6	4178.1	3318.2	2790.1	1737.6	1363.0	1298.7
82.5°	360.4	410.3	503.1	556.6	938.4	1937.4	1206.0	767.1	713.6	578.0	528.1
85°	153.4	164.1	210.5	224.8	303.3	413.9	381.8	346.1	331.8	256.9	235.5
87.5°	64.2	64.2	64.2	57.1	53.5	57.1	78.5	99.9	132.0	103.5	96.3
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)