

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: P643791

Luminaire Tested: GWS-SA6F-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35333.8 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

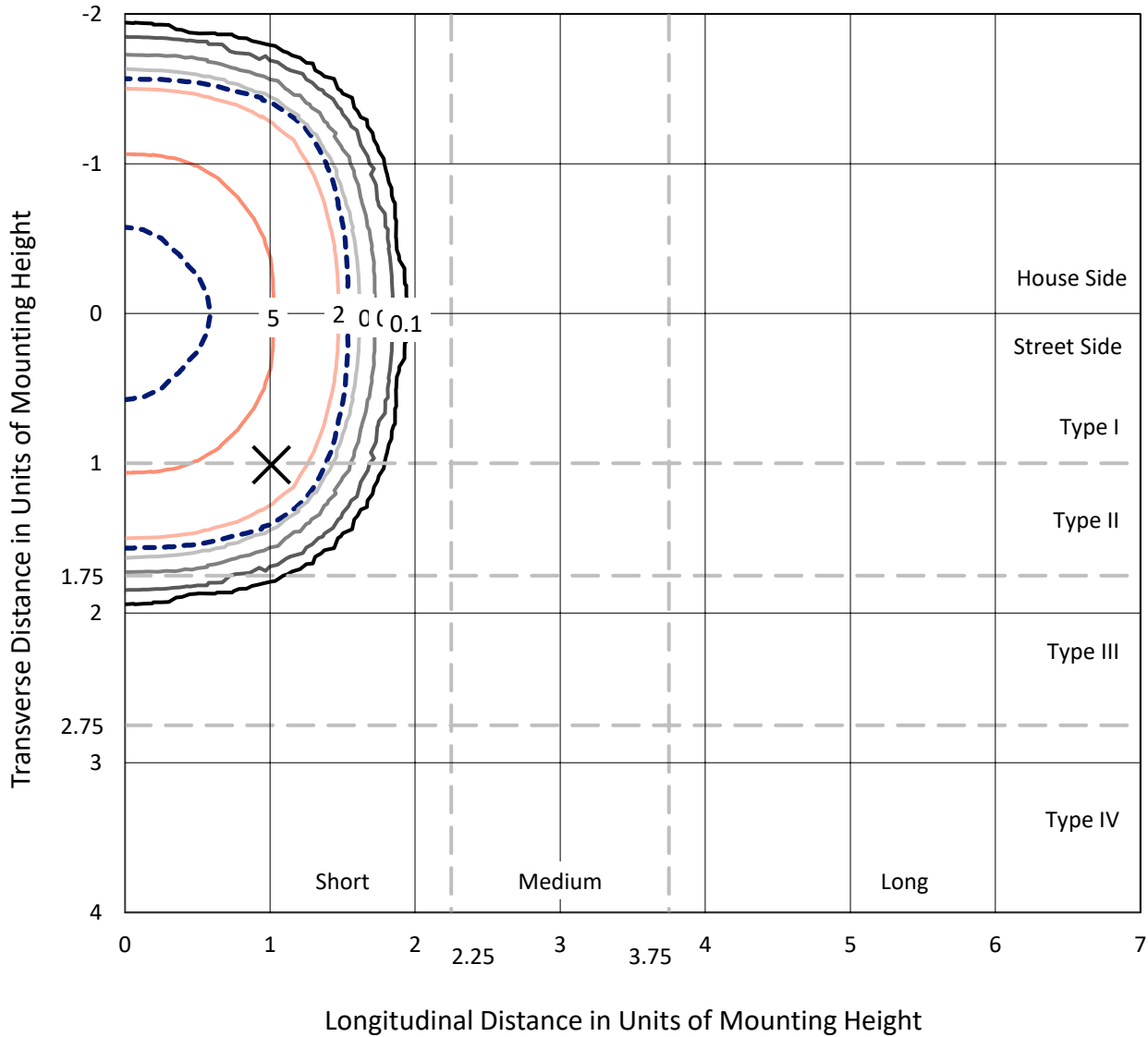
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

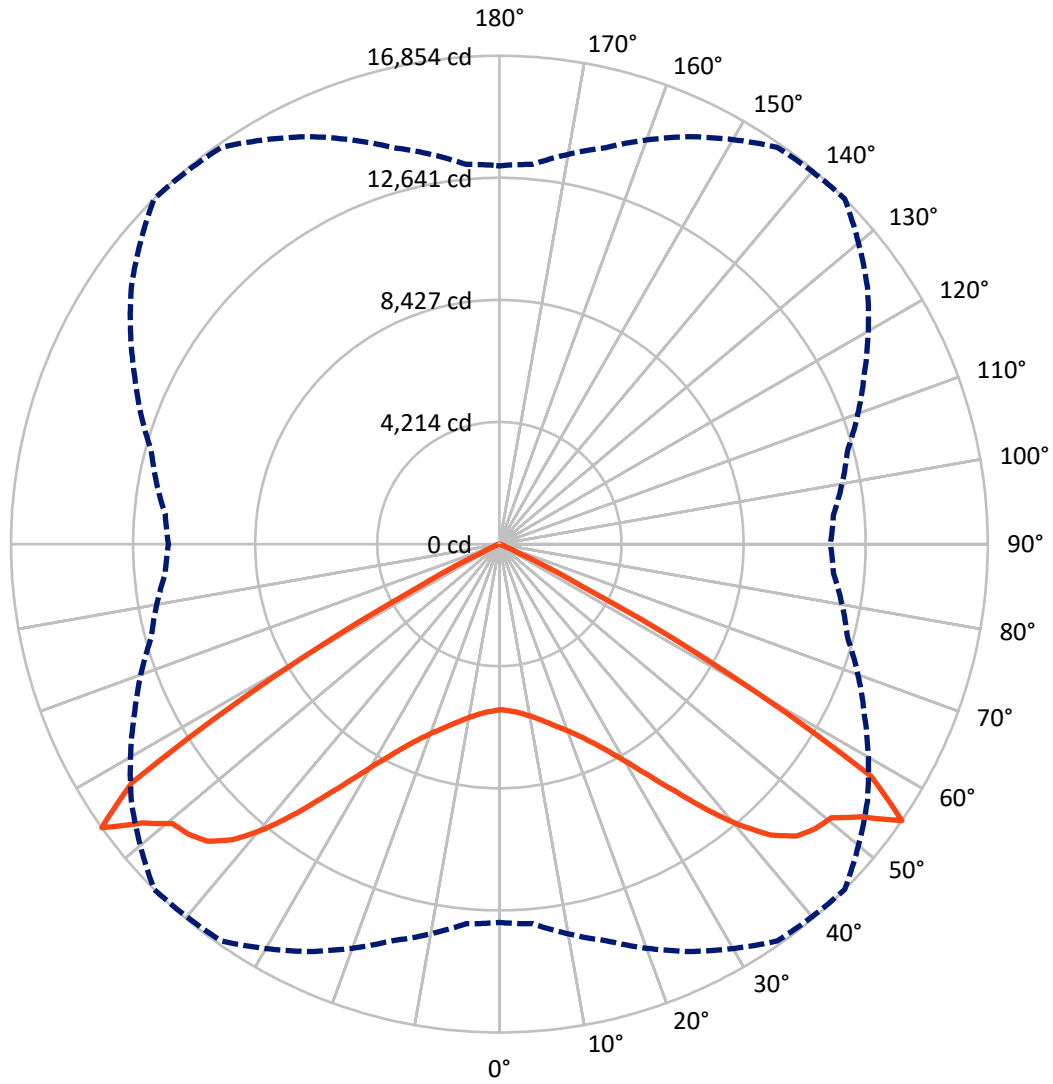
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17666.9	0.0	17666.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17666.9	0.0	17666.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	35333.8	0.0	35333.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	1.6
10°-20°	1814.4	5.1
20°-30°	3513.8	9.9
30°-40°	6295.1	17.8
40°-50°	10554.2	29.9
50°-60°	11297.8	32.0
60°-70°	1241.5	3.5
70°-80°	54.7	0.2
80°-90°	2.5	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°	35333.8	100.0
0°-180°	35333.8	100.0

Coefficient of Utilization



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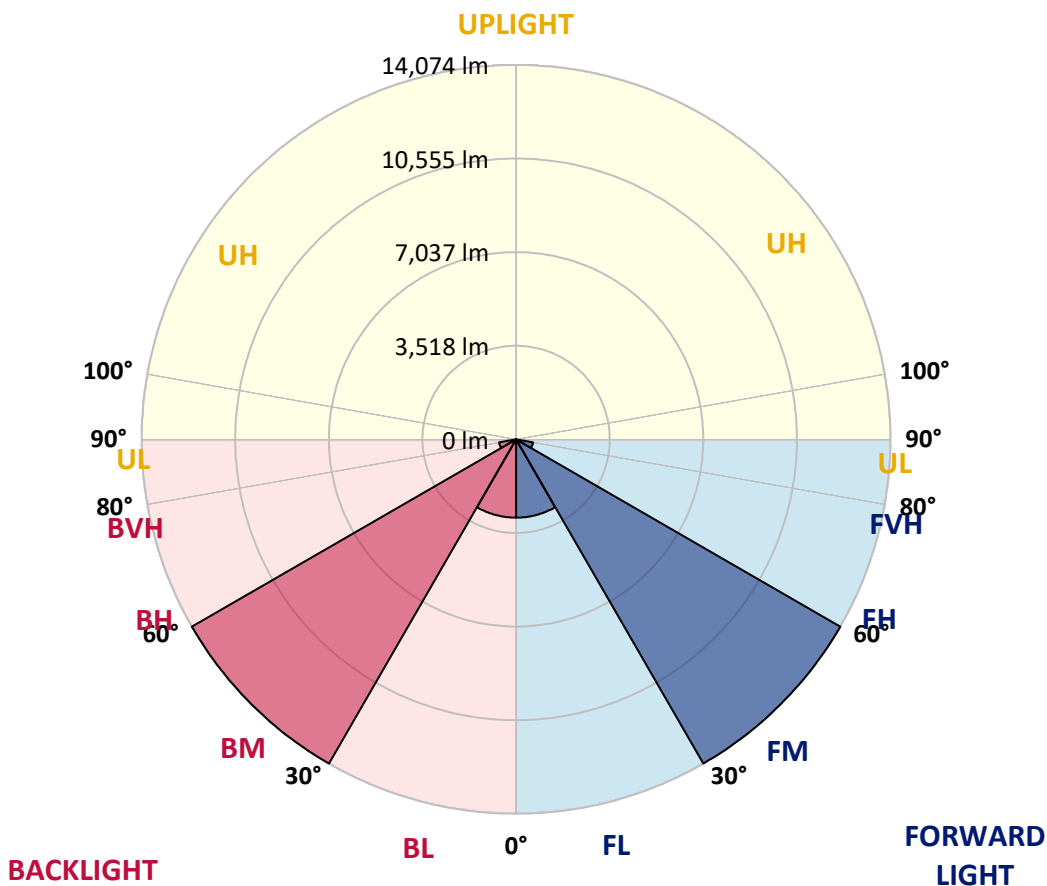
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2944.0	8.3			
FM (30°-60°)	14073.6	39.8			
FH (60°-80°)	648.1	1.8			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	2944.0	8.3	B4/5000		
BM (30°-60°)	14073.6	39.8	B5		
BH (60°-80°)	648.1	1.8	B2/1000		G0/660
BVH (80°-90°)	1.3	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5712.8	5712.8	5712.8	5712.8	5712.8	5712.8	5712.8	5712.8	5712.8	5712.8	5712.8
2.5°	5702.0	5702.0	5716.4	5727.2	5727.2	5756.0	5745.2	5734.4	5734.4	5720.0	5748.8
5°	5784.8	5781.2	5795.6	5802.8	5788.4	5817.2	5799.2	5788.4	5781.2	5766.8	5795.6
7.5°	5874.8	5878.4	5882.0	5896.4	5889.2	5918.0	5903.6	5882.0	5874.8	5853.2	5882.0
10°	5982.8	5982.8	5990.0	6008.0	6011.6	6047.6	6033.2	6008.0	5986.4	5964.8	5993.6
12.5°	6119.6	6123.2	6134.0	6159.2	6173.6	6213.2	6191.6	6141.2	6108.8	6083.6	6116.0
15°	6317.6	6314.0	6328.4	6364.3	6382.3	6411.1	6378.7	6310.4	6270.8	6242.0	6263.6
17.5°	6533.5	6533.5	6540.7	6576.7	6601.9	6645.1	6605.5	6522.7	6486.7	6447.1	6468.7
20°	6771.1	6781.9	6789.1	6814.3	6857.5	6900.7	6868.3	6785.5	6745.9	6695.5	6720.7
22.5°	7084.3	7073.5	7077.1	7120.3	7181.5	7224.7	7199.5	7102.3	7033.9	6994.3	7008.7
25°	7433.5	7429.9	7440.7	7505.5	7573.9	7620.7	7584.7	7458.7	7390.3	7321.9	7350.7
27.5°	7861.8	7865.4	7872.6	7951.8	8059.8	8128.2	8038.2	7912.2	7818.6	7728.7	7750.2
30°	8369.4	8362.2	8383.8	8491.8	8650.2	8758.2	8653.8	8477.4	8344.2	8257.8	8268.6
32.5°	8909.4	8916.6	8974.2	9147.0	9355.7	9546.5	9334.1	9100.2	8927.4	8765.4	8787.0
35°	9492.5	9510.5	9640.1	9895.7	10237.7	10493.3	10198.1	9812.9	9568.1	9359.3	9366.5
37.5°	10180.1	10223.3	10403.3	10784.8	11274.4	11616.4	11184.4	10673.2	10356.5	10097.3	10079.3
40°	11083.6	11134.0	11378.8	11832.4	12426.3	12739.5	12239.1	11713.6	11321.2	11040.4	10997.2
42.5°	12120.3	12185.1	12451.5	12915.9	13509.8	13722.2	13232.7	12789.9	12437.1	12105.9	12091.5
45°	13290.3	13326.3	13542.2	13898.6	14327.0	14377.4	14010.2	13765.4	13409.0	13099.5	13074.3
47.5°	14388.2	14424.2	14571.8	14755.4	14856.1	14676.2	14611.4	14503.4	14042.6	13661.0	13581.8
50°	15223.3	15252.1	15435.7	15507.7	15226.9	14845.3	14971.3	14741.0	14240.6	13812.2	13689.8
52.5°	15165.7	15237.7	15709.3	16119.7	15943.3	15633.7	15295.3	14798.5	14021.0	13434.2	13283.1
55°	13056.3	13153.5	14165.0	15514.9	16720.8	16854.0	15500.5	13898.6	12437.1	11576.8	11422.0
57.5°	8391.0	8416.2	9650.9	11544.4	14262.2	15118.9	12854.7	10478.9	8661.0	7714.3	7649.5
60°	3085.0	3034.6	3966.9	5536.4	8214.6	9121.8	7566.7	5298.8	3779.7	3110.2	3056.2
62.5°	741.5	748.7	928.7	1393.1	2577.4	3189.4	2519.8	1407.5	896.3	752.3	745.1
65°	374.4	367.2	370.8	399.6	550.8	658.8	540.0	381.6	367.2	370.8	367.2
67.5°	241.2	237.6	244.8	248.4	244.8	230.4	226.8	234.0	234.0	237.6	230.4
70°	147.6	144.0	151.2	162.0	154.8	136.8	144.0	151.2	144.0	140.4	140.4
72.5°	79.2	79.2	86.4	93.6	86.4	79.2	79.2	82.8	79.2	79.2	79.2
75°	36.0	36.0	39.6	43.2	36.0	36.0	36.0	36.0	36.0	36.0	36.0
77.5°	10.8	10.8	14.4	14.4	10.8	10.8	10.8	10.8	14.4	14.4	14.4
80°	3.6	7.2	7.2	3.6	3.6	3.6	3.6	3.6	7.2	7.2	7.2
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
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)