

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: P643626

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643626
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34542.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

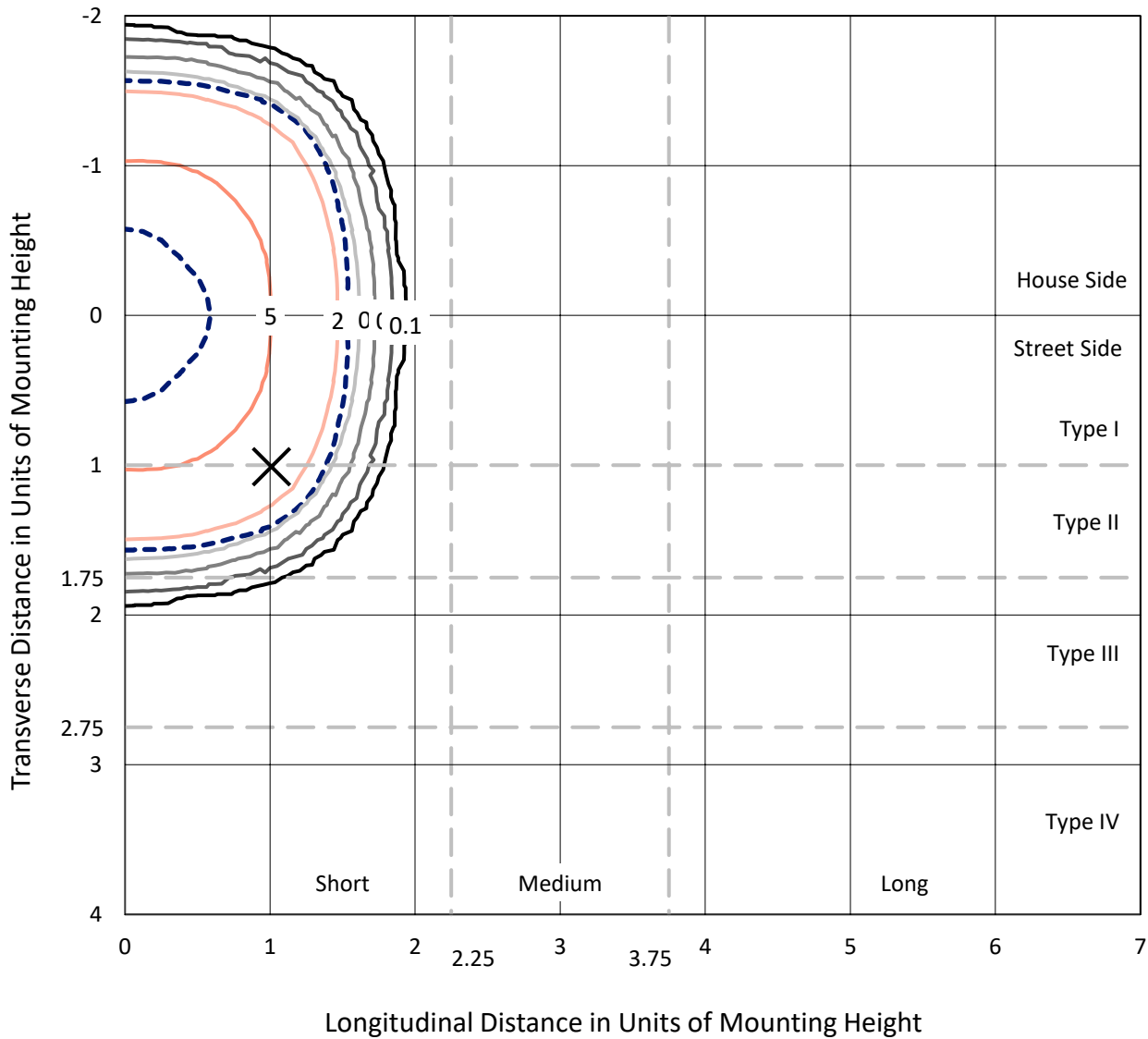
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

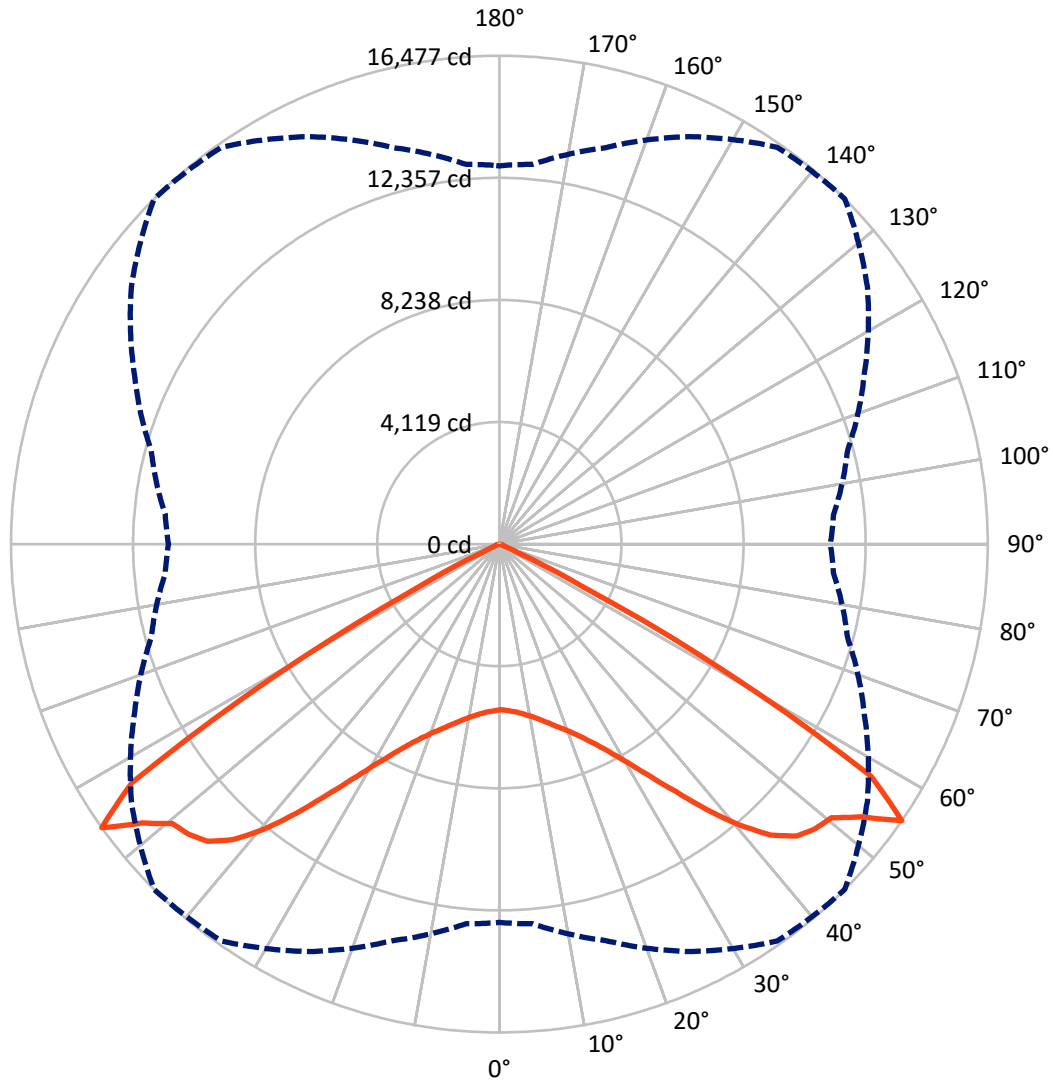
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 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	17271.1	0.0	17271.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17271.1	0.0	17271.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	34542.3	0.0	34542.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.2	1.6
10°-20°	1773.7	5.1
20°-30°	3435.1	9.9
30°-40°	6154.1	17.8
40°-50°	10317.8	29.9
50°-60°	11044.7	32.0
60°-70°	1213.7	3.5
70°-80°	53.4	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°	34542.3	100.0
0°-180°	34542.3	100.0

Coefficient of Utilization



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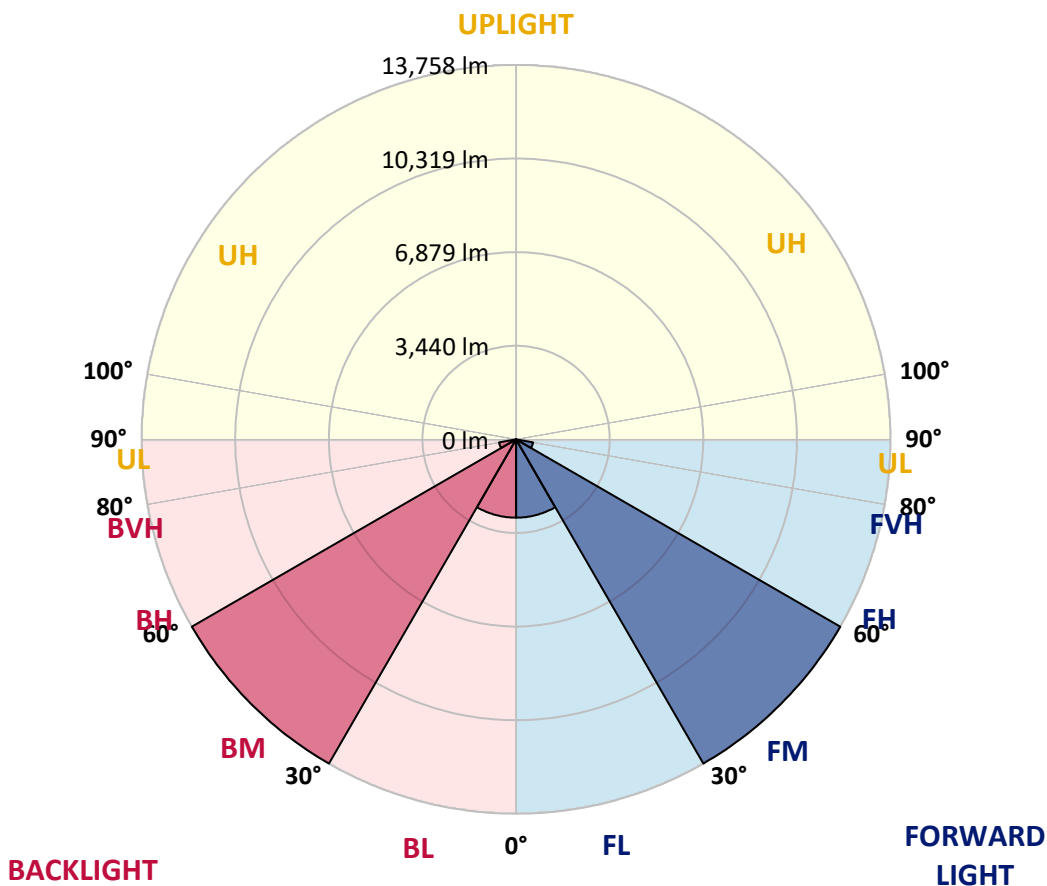
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2878.0	8.3			
FM (30°-60°)	13758.4	39.8			
FH (60°-80°)	633.6	1.8			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	2878.0	8.3	B4/5000		
BM (30°-60°)	13758.4	39.8	B5		
BH (60°-80°)	633.6	1.8	B2/1000		G0/660
BVH (80°-90°)	1.2	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°	5584.8	5584.8	5584.8	5584.8	5584.8	5584.8	5584.8	5584.8	5584.8	5584.8	5584.8
2.5°	5574.3	5574.3	5588.3	5598.9	5598.9	5627.1	5616.5	5605.9	5605.9	5591.9	5620.0
5°	5655.2	5651.7	5665.8	5672.8	5658.7	5686.9	5669.3	5658.7	5651.7	5637.6	5665.8
7.5°	5743.2	5746.7	5750.2	5764.3	5757.3	5785.4	5771.3	5750.2	5743.2	5722.1	5750.2
10°	5848.8	5848.8	5855.8	5873.4	5876.9	5912.1	5898.0	5873.4	5852.3	5831.2	5859.3
12.5°	5982.5	5986.0	5996.6	6021.2	6035.3	6074.0	6052.9	6003.6	5971.9	5947.3	5979.0
15°	6176.0	6172.5	6186.6	6221.8	6239.4	6267.5	6235.9	6169.0	6130.3	6102.1	6123.2
17.5°	6387.2	6387.2	6394.2	6429.4	6454.0	6496.3	6457.6	6376.6	6341.4	6302.7	6323.8
20°	6619.4	6630.0	6637.0	6661.7	6703.9	6746.1	6714.5	6633.5	6594.8	6545.5	6570.2
22.5°	6925.6	6915.0	6918.6	6960.8	7020.6	7062.8	7038.2	6943.2	6876.3	6837.6	6851.7
25°	7267.0	7263.4	7274.0	7337.3	7404.2	7450.0	7414.8	7291.6	7224.7	7157.9	7186.0
27.5°	7685.7	7689.3	7696.3	7773.7	7879.3	7946.1	7858.2	7735.0	7643.5	7555.5	7576.6
30°	8181.9	8174.9	8196.0	8301.6	8456.4	8562.0	8459.9	8287.5	8157.3	8072.8	8083.4
32.5°	8709.8	8716.8	8773.1	8942.1	9146.2	9332.7	9125.0	8896.3	8727.4	8569.0	8590.1
35°	9279.9	9297.5	9424.2	9674.0	10008.3	10258.2	9969.6	9593.1	9353.8	9149.7	9156.7
37.5°	9952.0	9994.3	10170.2	10543.2	11021.8	11356.2	10933.9	10434.2	10124.5	9871.1	9853.5
40°	10835.3	10884.6	11123.9	11567.3	12148.0	12454.1	11965.0	11451.2	11067.6	10793.1	10750.9
42.5°	11848.8	11912.2	12172.6	12626.6	13207.2	13414.8	12936.2	12503.4	12158.5	11834.8	11820.7
45°	12992.5	13027.7	13238.9	13587.3	14006.0	14055.3	13696.4	13457.1	13108.7	12806.0	12781.4
47.5°	14065.9	14101.1	14245.3	14424.8	14523.4	14347.4	14284.1	14178.5	13728.0	13355.0	13277.6
50°	14882.3	14910.5	15089.9	15160.3	14885.8	14512.8	14636.0	14410.7	13921.6	13502.8	13383.2
52.5°	14826.0	14896.4	15357.4	15758.6	15586.1	15283.5	14952.7	14467.1	13706.9	13133.3	12985.5
55°	12763.8	12858.8	13847.7	15167.4	16346.3	16476.5	15153.3	13587.3	12158.5	11317.5	11166.1
57.5°	8203.0	8227.7	9434.7	11285.8	13942.7	14780.3	12566.7	10244.1	8467.0	7541.4	7478.1
60°	3015.9	2966.6	3878.1	5412.4	8030.6	8917.4	7397.2	5180.1	3695.1	3040.5	2987.7
62.5°	724.9	732.0	907.9	1361.9	2519.7	3117.9	2463.4	1376.0	876.3	735.5	728.5
65°	366.0	358.9	362.5	390.6	538.4	644.0	527.9	373.0	358.9	362.5	358.9
67.5°	235.8	232.3	239.3	242.8	239.3	225.2	221.7	228.7	228.7	232.3	225.2
70°	144.3	140.8	147.8	158.4	151.3	133.7	140.8	147.8	140.8	137.2	137.2
72.5°	77.4	77.4	84.5	91.5	84.5	77.4	77.4	80.9	77.4	77.4	77.4
75°	35.2	35.2	38.7	42.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
77.5°	10.6	10.6	14.1	14.1	10.6	10.6	10.6	10.6	14.1	14.1	14.1
80°	3.5	7.0	7.0	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5
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)