

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: P643678

Luminaire Tested: GWS-SA6F-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643678
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30409 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

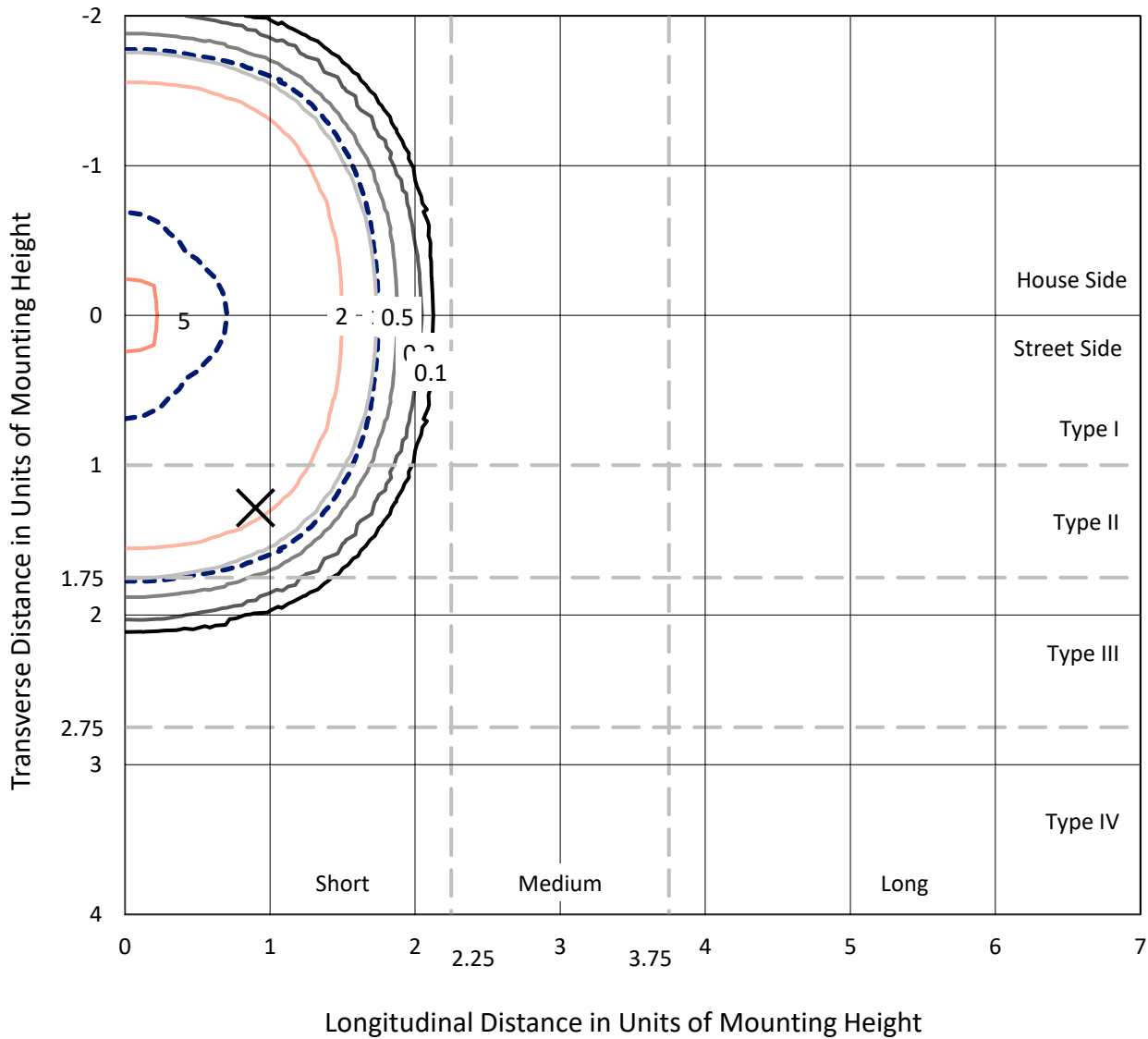
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

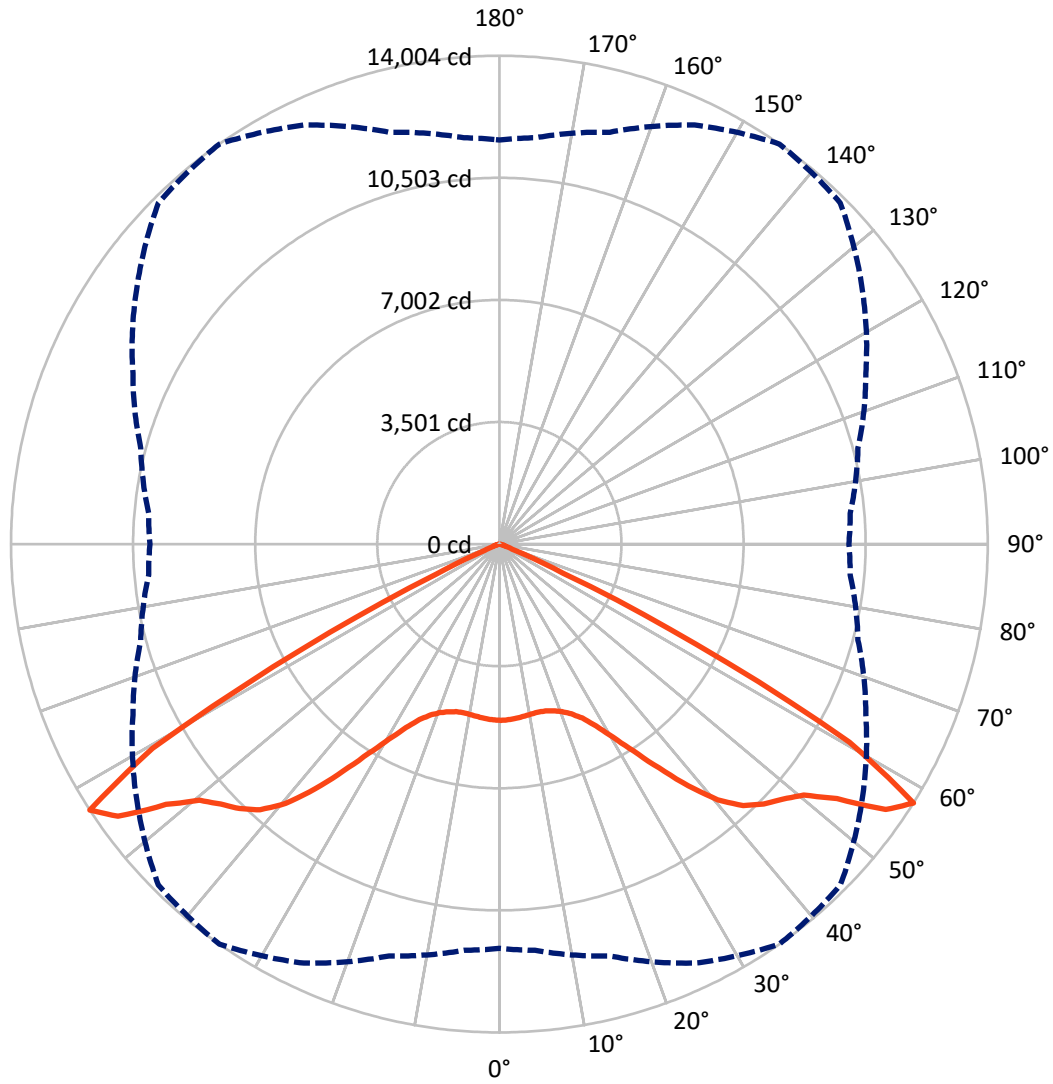
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 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	15204.5	0.0	15204.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15204.5	0.0	15204.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30409.0	0.0	30409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.3	1.6
10°-20°	1401.2	4.6
20°-30°	2532.7	8.3
30°-40°	4725.0	15.5
40°-50°	7926.2	26.1
50°-60°	10467.3	34.4
60°-70°	2779.9	9.1
70°-80°	98.7	0.3
80°-90°	1.8	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°	30409.0	100.0
0°-180°	30409.0	100.0

Coefficient of Utilization



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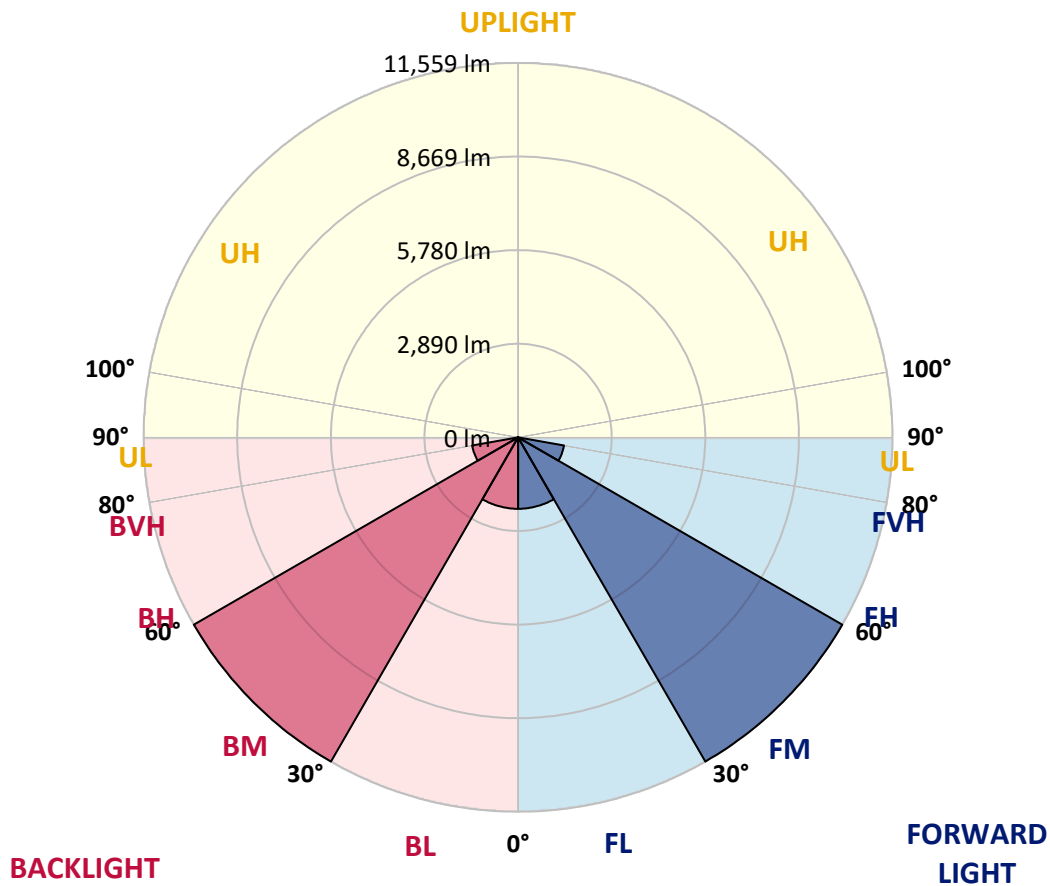
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2205.1	7.3			
FM (30°-60°)	11559.2	38.0			
FH (60°-80°)	1439.3	4.7			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2205.1	7.3	B3/2500		
BM (30°-60°)	11559.2	38.0	B5		
BH (60°-80°)	1439.3	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.9	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°	5055.8	5055.8	5055.8	5055.8	5055.8	5055.8	5055.8	5055.8	5055.8	5055.8	5055.8
2.5°	5020.1	5016.5	5030.8	5041.5	5041.5	5066.5	5059.3	5052.2	5045.1	5034.4	5059.3
5°	5013.0	5009.4	5020.1	5027.2	5020.1	5041.5	5027.2	5013.0	5005.8	4991.5	5020.1
7.5°	4980.8	4984.4	4991.5	4998.7	4988.0	5005.8	4988.0	4966.6	4948.7	4934.5	4959.4
10°	4930.9	4934.5	4941.6	4955.9	4959.4	4984.4	4959.4	4920.2	4895.2	4873.8	4898.8
12.5°	4905.9	4909.5	4920.2	4938.0	4941.6	4973.7	4941.6	4884.5	4848.8	4823.9	4848.8
15°	4913.1	4920.2	4934.5	4955.9	4963.0	4995.1	4952.3	4877.4	4827.4	4795.3	4816.7
17.5°	4938.0	4945.2	4966.6	5002.3	5027.2	5059.3	5005.8	4909.5	4841.7	4795.3	4816.7
20°	4970.1	4980.8	5016.5	5073.6	5127.1	5184.2	5116.4	4984.4	4895.2	4838.1	4856.0
22.5°	5059.3	5070.0	5120.0	5194.9	5284.1	5355.5	5273.4	5105.7	4984.4	4909.5	4927.3
25°	5241.3	5252.0	5316.2	5412.6	5526.7	5619.5	5516.0	5305.5	5148.5	5062.9	5070.0
27.5°	5526.7	5537.4	5612.4	5748.0	5901.4	6033.4	5883.5	5637.3	5458.9	5359.0	5359.0
30°	5887.1	5901.4	6001.3	6183.2	6422.3	6597.1	6393.7	6094.0	5865.7	5730.1	5733.7
32.5°	6350.9	6336.7	6479.4	6729.1	7068.1	7300.0	7000.3	6636.4	6354.5	6165.4	6183.2
35°	6946.8	6943.2	7103.8	7442.7	7885.1	8163.4	7806.7	7335.7	6996.7	6804.1	6807.6
37.5°	7713.9	7710.3	7895.8	8263.3	8795.0	9026.9	8627.3	8149.2	7785.2	7599.7	7621.1
40°	8613.0	8591.6	8755.7	9108.9	9640.6	9790.4	9355.1	8969.8	8620.1	8502.4	8559.5
42.5°	9469.3	9422.9	9519.3	9840.4	10250.7	10272.1	9943.8	9679.8	9440.8	9348.0	9383.7
45°	10157.9	10122.2	10211.4	10397.0	10632.5	10525.4	10368.4	10286.4	10093.7	9993.8	10025.9
47.5°	10671.7	10671.7	10778.7	10892.9	10928.6	10732.4	10757.3	10757.3	10564.7	10407.7	10368.4
50°	11114.1	11146.2	11306.8	11424.5	11306.8	11057.0	11199.8	11171.2	10778.7	10464.8	10382.7
52.5°	11820.6	11852.7	12098.9	12259.4	12127.4	11881.2	11899.1	11542.3	10964.3	10593.2	10464.8
55°	12569.9	12648.3	13005.1	13433.3	13436.9	13183.5	12712.6	12081.0	11378.2	10975.0	10843.0
57.5°	11588.7	11695.7	12227.3	13258.5	14004.2	13829.3	12705.4	11595.8	10646.7	10097.3	10022.3
60°	7974.3	8159.9	8691.5	10100.8	11538.7	11606.5	10279.2	9034.0	7945.8	7267.9	7282.2
62.5°	3368.1	3557.2	3856.9	5016.5	6336.7	6418.7	5776.5	4884.5	3996.1	3507.3	3582.2
65°	792.1	845.6	934.8	1387.9	2012.3	2105.1	1941.0	1512.8	1116.8	945.5	963.3
67.5°	346.1	353.2	335.4	356.8	442.4	453.1	438.9	385.3	363.9	371.1	371.1
70°	242.6	246.2	231.9	221.2	210.5	196.2	203.4	224.8	242.6	256.9	253.3
72.5°	149.9	153.4	157.0	157.0	146.3	132.0	139.1	153.4	157.0	160.6	157.0
75°	74.9	78.5	85.6	89.2	85.6	82.1	82.1	85.6	85.6	82.1	82.1
77.5°	14.3	17.8	25.0	28.5	28.5	28.5	28.5	28.5	32.1	28.5	28.5
80°	3.6	3.6	7.1	3.6	3.6	3.6	3.6	3.6	3.6	7.1	7.1
82.5°	3.6	3.6	3.6	3.6	0.0	0.0	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)