

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: P643899

Luminaire Tested: GWS-SA6F-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34617.9 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

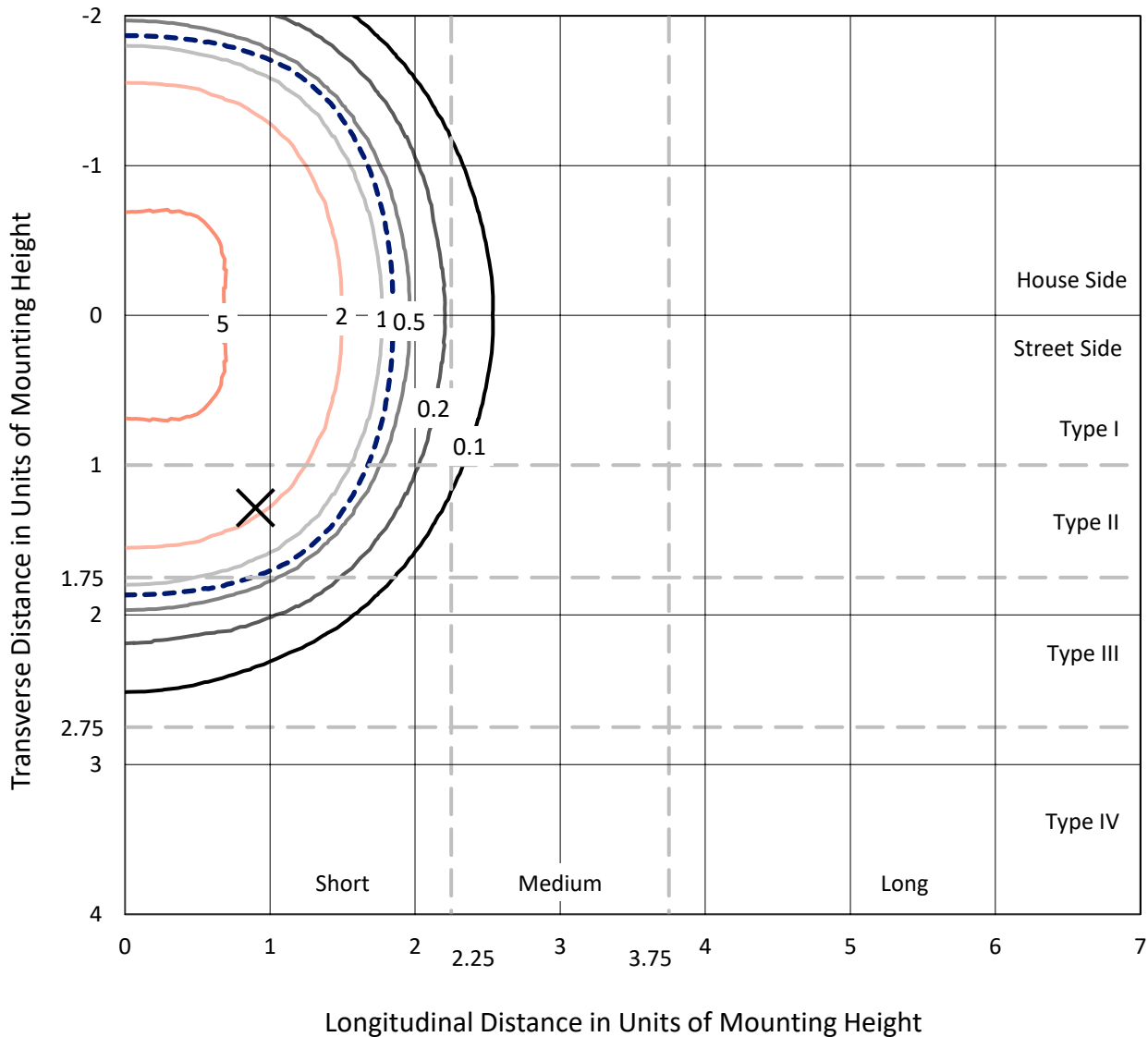


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Iso-Footcandle Lines of Horizontal Illumination

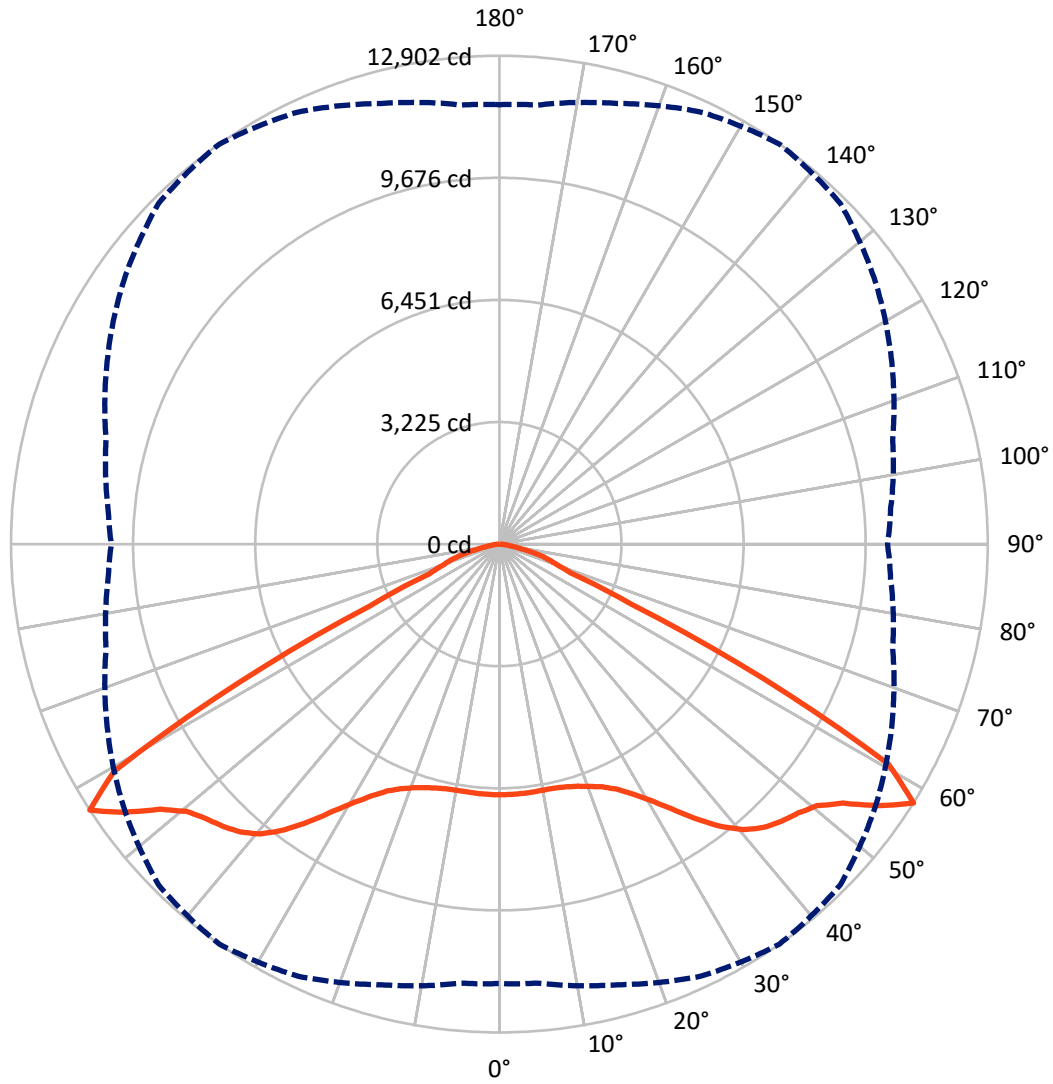
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 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	17309.0	0.0	17309.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17309.0	0.0	17309.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34617.9	0.0	34617.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.1	1.8
10°-20°	1880.0	5.4
20°-30°	3280.3	9.5
30°-40°	5378.9	15.5
40°-50°	7921.9	22.9
50°-60°	10109.7	29.2
60°-70°	4260.7	12.3
70°-80°	1017.8	2.9
80°-90°	138.5	0.4
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°	34617.9	100.0
0°-180°	34617.9	100.0

Coefficient of Utilization



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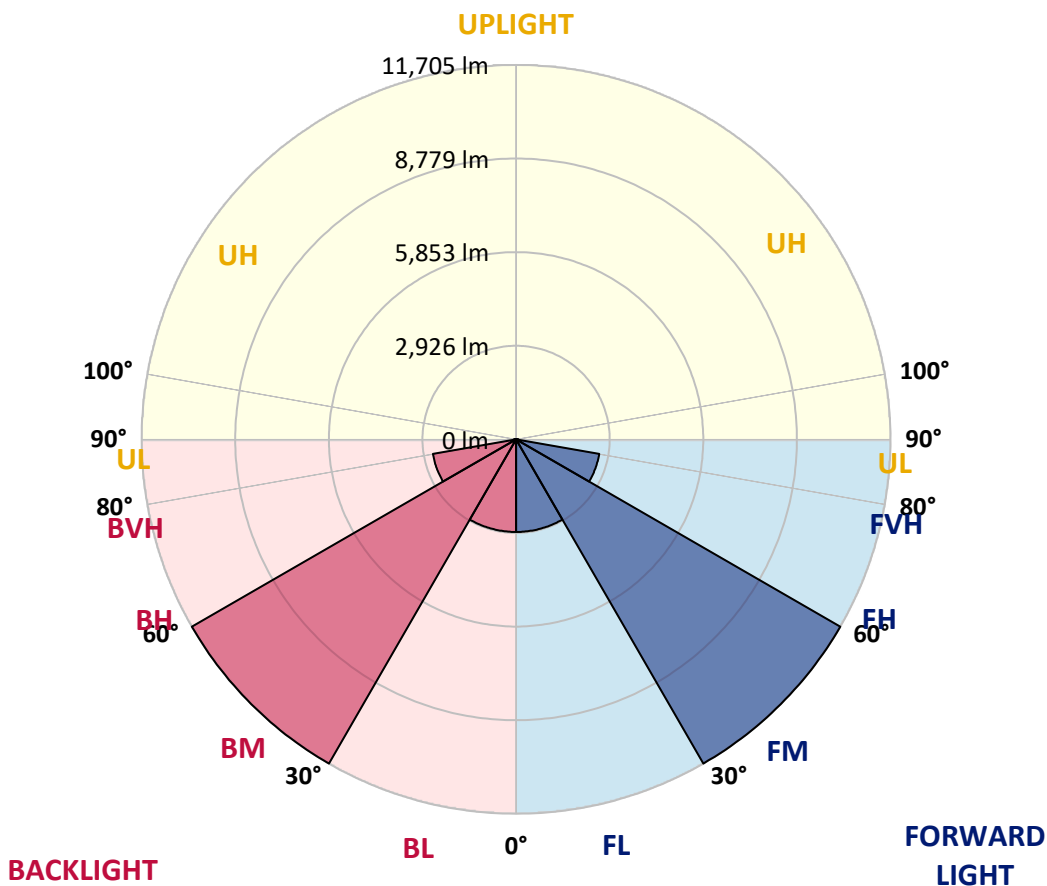
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2895.2	8.4			
FM (30°-60°)	11705.3	33.8			
FH (60°-80°)	2639.2	7.6			G2/5000
FVH (80°-90°)	69.3	0.2			G1/100
BL (0°-30°)	2895.2	8.4	B4/5000		
BM (30°-60°)	11705.3	33.8	B5		
BH (60°-80°)	2639.2	7.6	B4/5000		G2/5000
BVH (80°-90°)	69.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6623.7	6623.7	6623.7	6623.7	6623.7	6623.7	6623.7	6623.7	6623.7	6623.7	6623.7
2.5°	6584.1	6584.1	6598.2	6612.4	6618.1	6643.6	6640.7	6632.2	6626.6	6609.6	6632.2
5°	6598.2	6598.2	6609.6	6618.1	6615.2	6635.1	6626.6	6612.4	6603.9	6586.9	6612.4
7.5°	6595.4	6595.4	6603.9	6612.4	6606.7	6623.7	6609.6	6589.7	6575.6	6558.6	6581.2
10°	6558.6	6564.2	6572.7	6592.6	6601.1	6626.6	6606.7	6575.6	6552.9	6533.0	6555.7
12.5°	6552.9	6558.6	6569.9	6595.4	6609.6	6646.4	6620.9	6569.9	6535.9	6510.4	6533.0
15°	6578.4	6584.1	6601.1	6632.2	6654.9	6694.6	6657.8	6586.9	6538.7	6504.7	6524.5
17.5°	6609.6	6618.1	6643.6	6688.9	6725.8	6768.3	6722.9	6637.9	6569.9	6524.5	6541.5
20°	6643.6	6654.9	6694.6	6762.6	6830.6	6884.5	6827.8	6714.4	6632.2	6572.7	6589.7
22.5°	6703.1	6717.3	6768.3	6864.7	6966.7	7046.0	6975.2	6822.1	6714.4	6637.9	6652.1
25°	6825.0	6842.0	6907.2	7023.4	7167.9	7264.3	7165.1	6992.2	6842.0	6748.4	6762.6
27.5°	7040.4	7048.9	7133.9	7287.0	7465.5	7576.1	7457.0	7253.0	7085.7	6978.0	6989.4
30°	7323.8	7349.3	7434.3	7635.6	7848.2	7995.5	7839.7	7598.7	7406.0	7275.6	7287.0
32.5°	7669.6	7686.6	7814.1	8023.9	8330.0	8500.0	8287.5	8001.2	7768.8	7610.1	7621.4
35°	8123.1	8137.3	8259.1	8525.5	8896.8	9055.6	8811.8	8483.0	8213.8	8063.6	8106.1
37.5°	8664.4	8689.9	8777.8	9041.4	9455.2	9611.1	9330.5	9024.4	8743.8	8604.9	8636.1
40°	9245.5	9242.6	9313.5	9545.9	9922.9	10019.2	9767.0	9523.2	9282.3	9191.6	9242.6
42.5°	9744.3	9730.1	9781.1	9973.9	10234.6	10243.1	10075.9	9939.9	9769.8	9707.4	9755.6
45°	10092.9	10098.6	10175.1	10308.3	10441.5	10370.7	10319.7	10297.0	10163.8	10078.7	10087.2
47.5°	10367.8	10390.5	10512.4	10603.1	10620.1	10501.0	10571.9	10605.9	10495.4	10365.0	10328.2
50°	10611.6	10648.4	10807.2	10903.5	10866.7	10716.5	10855.3	10906.4	10662.6	10413.2	10339.5
52.5°	11053.7	11096.3	11289.0	11413.7	11371.2	11221.0	11351.3	11169.9	10759.0	10452.9	10359.3
55°	11759.5	11779.3	12014.6	12218.6	12198.8	12014.6	11909.7	11507.2	11008.4	10690.9	10603.1
57.5°	11609.3	11643.3	12051.4	12595.6	12901.7	12734.5	12119.4	11433.5	10756.1	10373.5	10254.5
60°	9134.9	9217.1	9724.5	10682.4	11804.8	11802.0	10659.8	9594.1	8777.8	8270.5	8219.4
62.5°	5334.1	5390.8	5852.8	6822.1	7828.3	7890.7	7088.6	6357.3	5643.1	5300.1	5135.7
65°	2525.4	2522.5	2706.7	3143.2	3823.5	3877.3	3636.4	3236.8	2814.5	2698.2	2667.1
67.5°	1865.0	1865.0	1850.8	1882.0	2012.3	2040.7	2012.3	1947.2	1907.5	1933.0	1916.0
70°	1618.4	1621.2	1604.2	1595.7	1595.7	1587.2	1598.5	1624.0	1641.1	1675.1	1658.1
72.5°	1312.3	1315.1	1315.1	1317.9	1320.8	1309.4	1326.4	1340.6	1343.5	1354.8	1343.5
75°	932.5	938.2	955.2	969.3	980.7	980.7	986.3	989.2	977.8	992.0	969.3
77.5°	513.0	518.7	549.9	575.4	600.9	603.7	612.2	617.9	612.2	623.5	606.5
80°	283.4	289.1	303.3	314.6	334.4	351.5	362.8	368.5	368.5	377.0	368.5
82.5°	161.6	167.2	175.7	181.4	198.4	212.6	223.9	232.4	232.4	235.2	229.6
85°	76.5	76.5	82.2	87.9	96.4	102.0	116.2	124.7	124.7	130.4	124.7
87.5°	11.3	14.2	17.0	17.0	22.7	28.3	34.0	36.8	42.5	45.3	45.3
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)