

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: P643792

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45520.7 lumens
Efficiency: N/A
Efficacy: 122.2 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

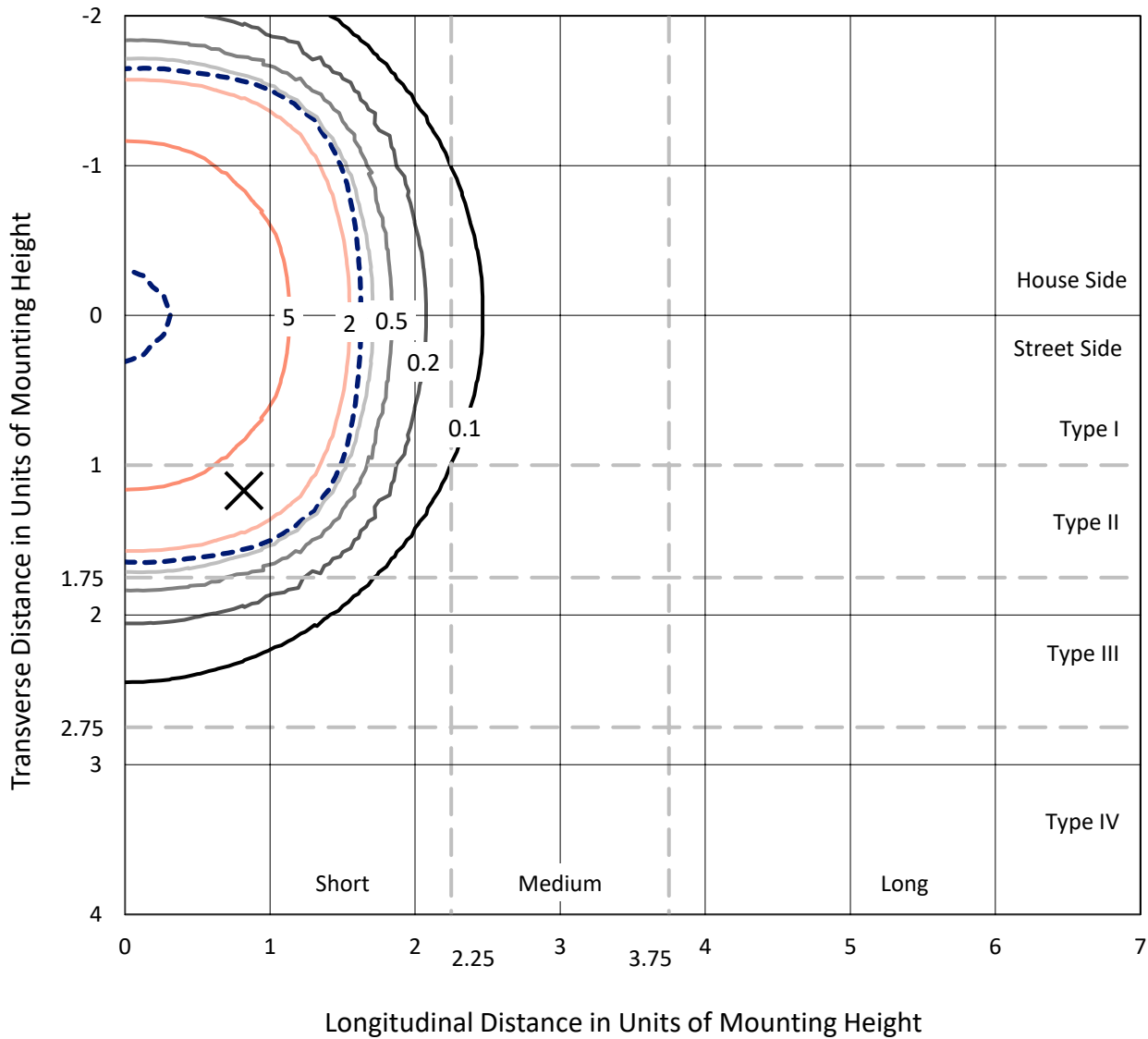


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Iso-Footcandle Lines of Horizontal Illumination

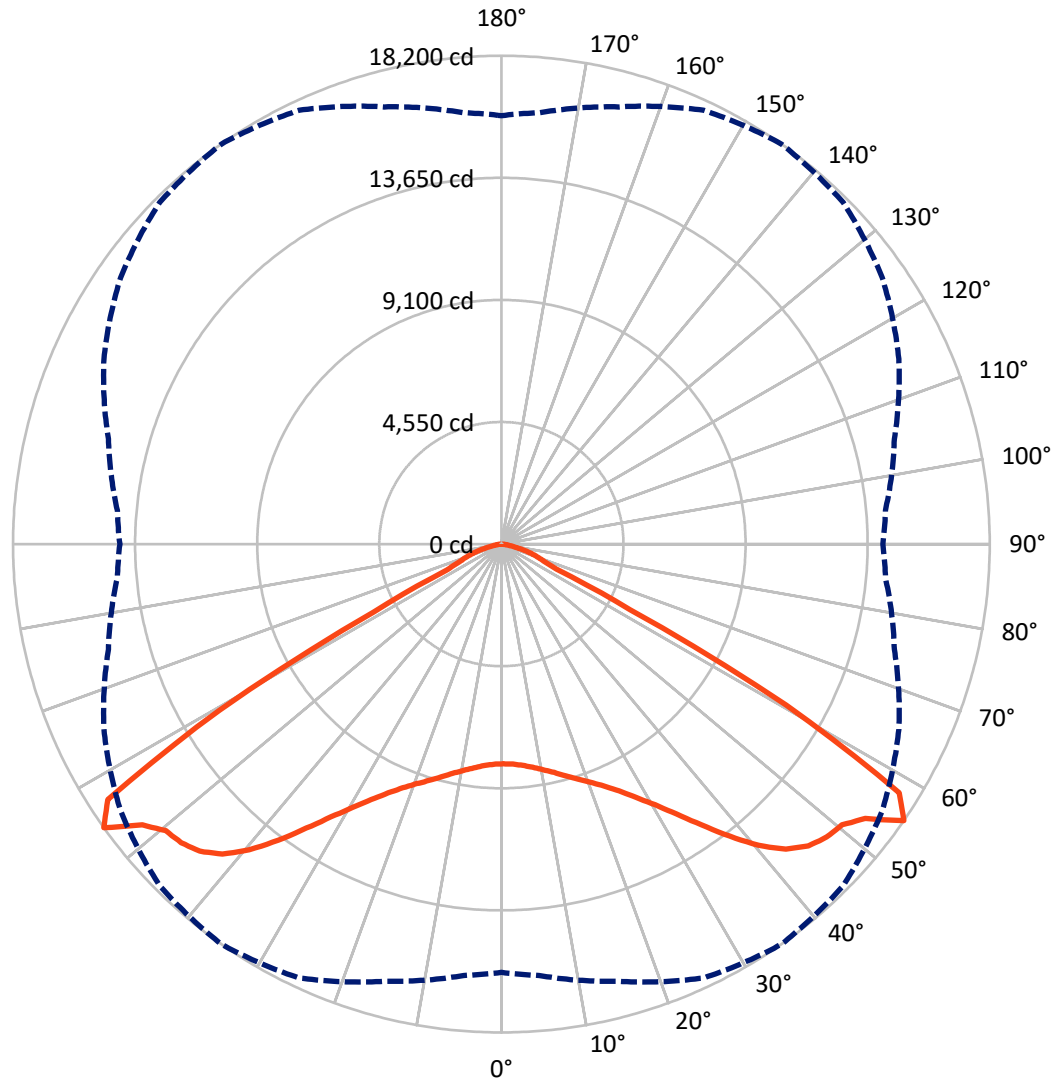
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22760.4	0.0	22760.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22760.4	0.0	22760.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	45520.7	0.0	45520.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.8	1.8
10°-20°	2543.1	5.6
20°-30°	4706.7	10.3
30°-40°	7873.4	17.3
40°-50°	11997.8	26.4
50°-60°	13440.1	29.5
60°-70°	3180.1	7.0
70°-80°	857.4	1.9
80°-90°	123.4	0.3
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°	45520.7	100.0
0°-180°	45520.7	100.0

Coefficient of Utilization



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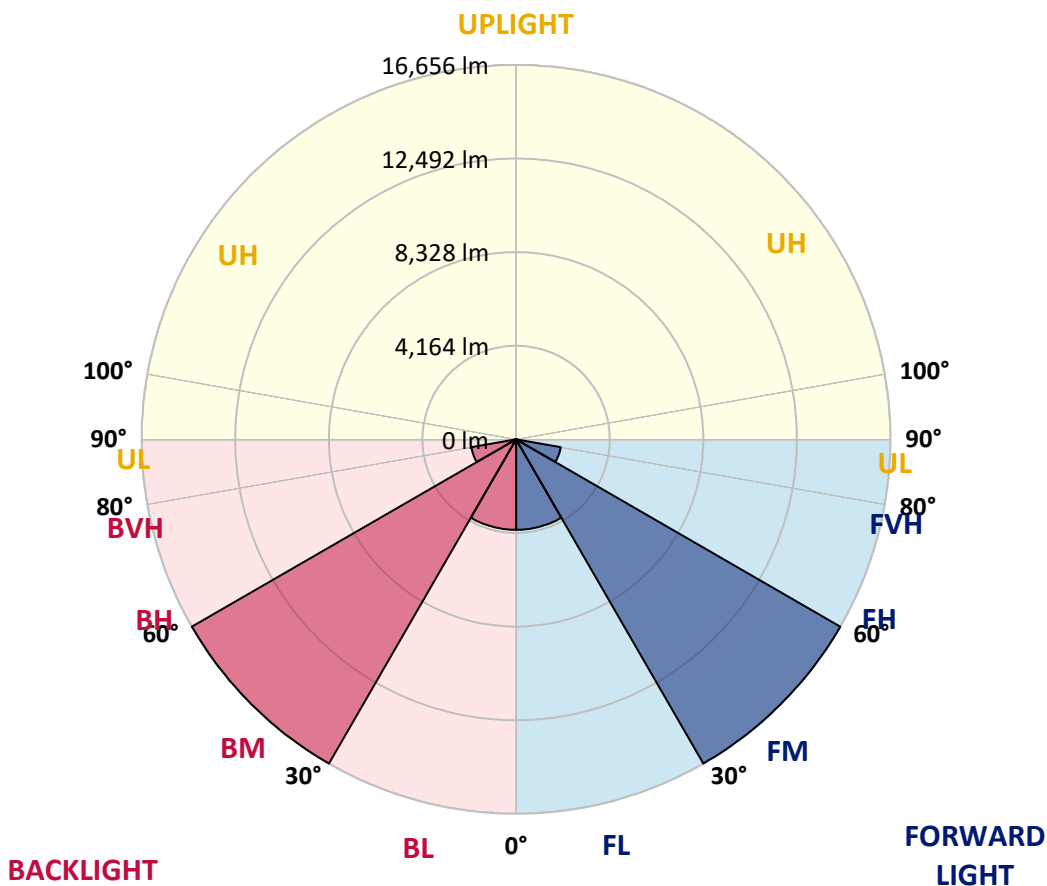
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4024.3	8.8			
FM (30°-60°)	16655.7	36.6			
FH (60°-80°)	2018.7	4.4			G2/5000
FVH (80°-90°)	61.7	0.1			G1/100
BL (0°-30°)	4024.3	8.8	B4/5000		
BM (30°-60°)	16655.7	36.6	B5		
BH (60°-80°)	2018.7	4.4	B3/2500		G2/5000
BVH (80°-90°)	61.7	0.1			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°	8189.3	8189.3	8189.3	8189.3	8189.3	8189.3	8189.3	8189.3	8189.3	8189.3	8189.3
2.5°	8171.3	8171.3	8185.7	8203.7	8207.3	8243.3	8236.1	8221.7	8214.5	8200.1	8232.5
5°	8261.3	8264.9	8275.7	8286.5	8279.3	8308.1	8297.3	8279.3	8268.5	8250.5	8282.9
7.5°	8380.1	8380.1	8390.9	8405.3	8398.1	8441.3	8419.7	8394.5	8376.5	8354.9	8383.7
10°	8488.1	8495.3	8506.1	8534.9	8549.3	8596.1	8581.7	8545.7	8516.9	8491.7	8524.1
12.5°	8650.1	8657.3	8668.1	8707.7	8732.8	8779.6	8758.0	8707.7	8664.5	8628.5	8664.5
15°	8858.8	8851.6	8880.4	8930.8	8963.2	9006.4	8981.2	8894.8	8837.2	8790.4	8826.4
17.5°	9071.2	9067.6	9096.4	9161.2	9208.0	9265.6	9222.4	9121.6	9060.4	9002.8	9038.8
20°	9301.6	9312.4	9341.2	9402.4	9470.8	9546.4	9510.4	9402.4	9334.0	9269.2	9298.0
22.5°	9586.0	9589.6	9622.0	9701.2	9791.2	9863.2	9841.6	9708.4	9622.0	9553.6	9589.6
25°	9927.9	9924.3	9967.5	10061.1	10187.1	10259.1	10212.3	10064.7	9971.1	9891.9	9920.7
27.5°	10320.3	10316.7	10381.5	10503.9	10683.9	10784.7	10687.5	10503.9	10374.3	10262.7	10287.9
30°	10813.5	10802.7	10874.7	11040.3	11274.2	11443.4	11299.4	11043.9	10874.7	10755.9	10781.1
32.5°	11360.6	11375.0	11465.0	11688.2	11983.4	12203.0	11987.0	11702.6	11475.8	11303.0	11331.8
35°	11961.8	11961.8	12145.4	12422.5	12843.7	13135.3	12800.5	12390.1	12087.8	11850.2	11857.4
37.5°	12631.3	12638.5	12879.7	13261.3	13812.0	14154.0	13700.4	13192.9	12825.7	12570.1	12555.7
40°	13448.4	13470.0	13718.4	14143.2	14762.3	15075.5	14589.5	14092.8	13718.4	13416.0	13387.2
42.5°	14370.0	14377.2	14639.9	15021.5	15543.5	15730.6	15349.1	14942.3	14636.3	14362.8	14334.0
45°	15248.3	15230.3	15457.1	15741.4	16043.8	16061.8	15849.4	15683.9	15417.5	15183.5	15140.3
47.5°	15932.2	15917.8	16123.0	16277.8	16313.8	16137.4	16205.8	16231.0	15921.4	15604.7	15521.9
50°	16349.8	16378.6	16573.0	16659.4	16447.0	16159.0	16418.2	16353.4	15910.6	15496.7	15363.5
52.5°	16601.8	16645.0	16983.3	17202.9	16983.3	16709.8	16745.8	16364.2	15727.0	15179.9	15007.1
55°	15964.6	16137.4	16868.2	17840.1	18200.0	18009.3	17325.3	16342.6	15161.9	14366.4	14218.8
57.5°	11832.2	12105.8	13189.3	15295.1	17483.7	18178.4	16180.6	13700.4	11911.4	10889.1	10802.7
60°	6040.3	6346.3	7213.8	9377.2	12192.2	13171.3	11270.6	8772.4	6972.6	6144.7	6051.1
62.5°	2465.8	2516.2	2800.6	3635.7	5388.7	6216.7	5460.7	3833.7	2879.8	2653.0	2656.6
65°	1940.2	1951.0	1936.6	1987.0	2257.0	2505.4	2314.6	2033.8	1983.4	2008.6	1990.6
67.5°	1691.9	1695.5	1684.7	1684.7	1695.5	1684.7	1706.3	1717.1	1724.3	1753.0	1735.1
70°	1414.7	1418.3	1418.3	1425.5	1421.9	1403.9	1436.3	1450.7	1454.3	1472.3	1461.5
72.5°	1094.3	1105.1	1112.3	1115.9	1112.3	1101.5	1119.5	1144.7	1141.1	1159.1	1141.1
75°	741.5	755.9	763.1	777.5	773.9	773.9	795.5	806.3	795.5	809.9	795.5
77.5°	421.2	432.0	453.6	468.0	482.4	493.2	507.6	514.8	511.2	518.4	511.2
80°	244.8	248.4	266.4	273.6	291.6	309.6	324.0	331.2	334.8	338.4	334.8
82.5°	140.4	144.0	151.2	158.4	172.8	187.2	201.6	212.4	212.4	216.0	212.4
85°	68.4	68.4	72.0	75.6	82.8	93.6	104.4	115.2	118.8	118.8	118.8
87.5°	10.8	10.8	14.4	14.4	18.0	21.6	28.8	36.0	39.6	39.6	39.6
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)