

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: P641816

Luminaire Tested: GWS-SA6B-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21655.7 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

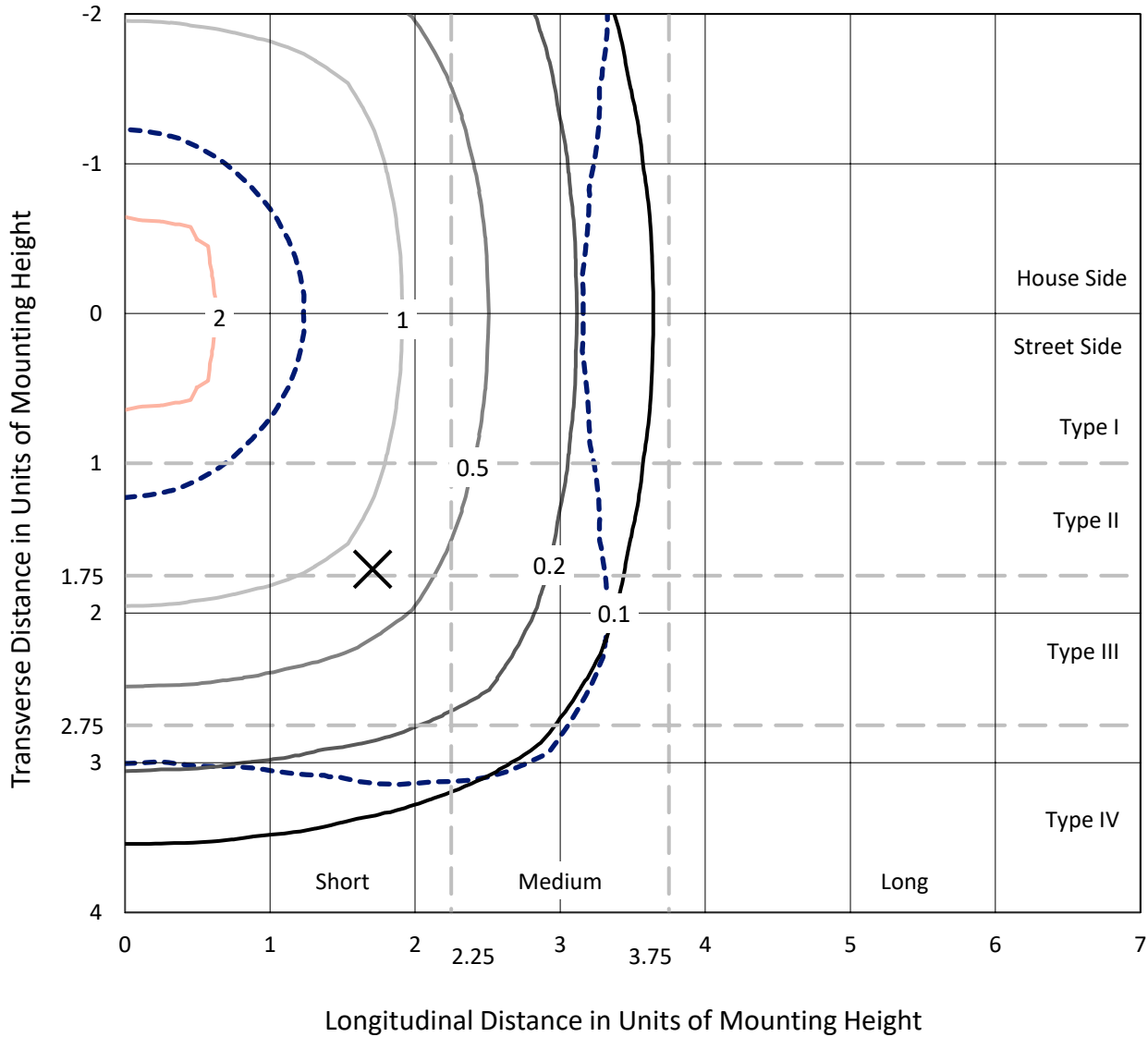
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

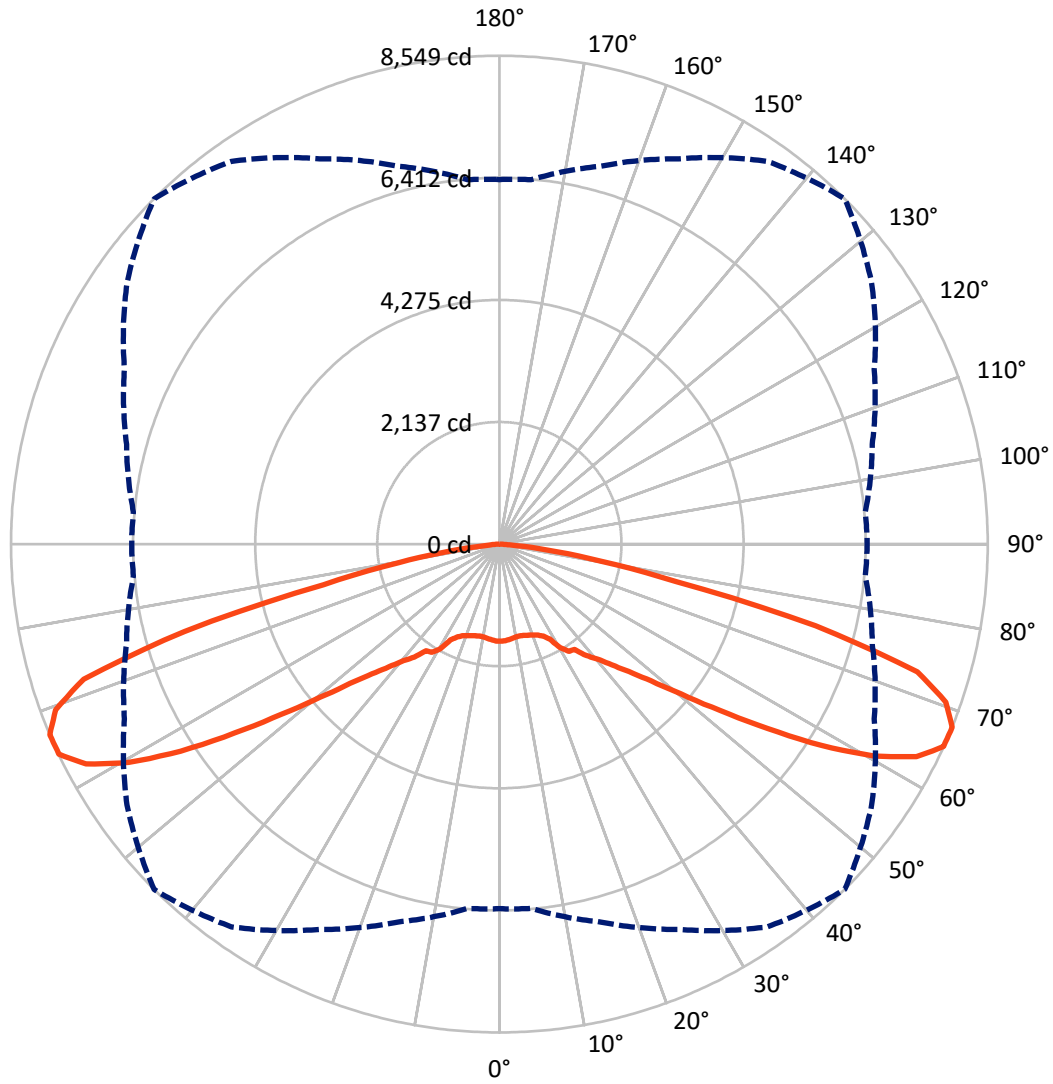
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10827.9	0.0	10827.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10827.9	0.0	10827.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	21655.7	0.0	21655.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	0.7
10°-20°	473.2	2.2
20°-30°	848.8	3.9
30°-40°	1433.9	6.6
40°-50°	2519.4	11.6
50°-60°	4860.0	22.4
60°-70°	7051.2	32.6
70°-80°	4034.4	18.6
80°-90°	275.3	1.3
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°	21655.7	100.0
0°-180°	21655.7	100.0

Coefficient of Utilization



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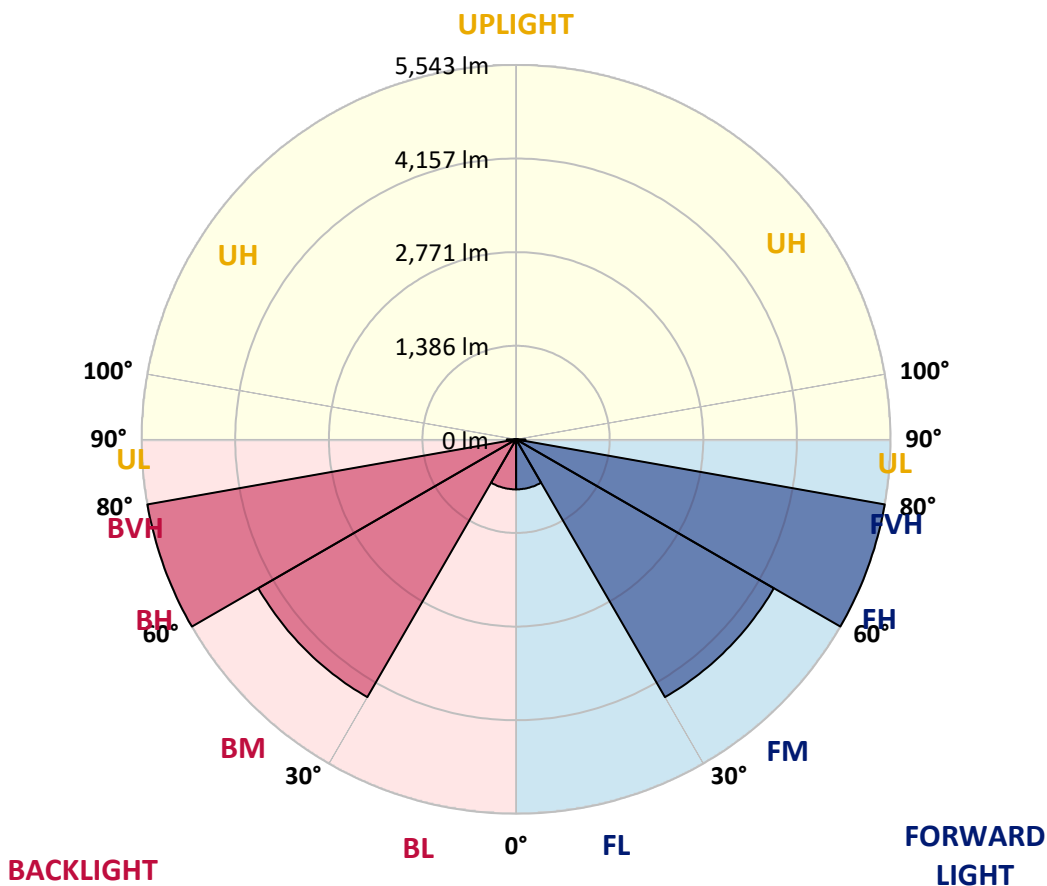
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.7	3.4			
FM (30°-60°)	4406.6	20.3			
FH (60°-80°)	5542.8	25.6			G3/7500
FVH (80°-90°)	137.7	0.6			G2/225
BL (0°-30°)	740.7	3.4	B2/1000		
BM (30°-60°)	4406.6	20.3	B3/5000		
BH (60°-80°)	5542.8	25.6	B5		G3/7500
BVH (80°-90°)	137.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1698.2	1698.2	1698.2	1698.2	1698.2	1698.2	1698.2	1698.2	1698.2	1698.2	1698.2
2.5°	1684.5	1686.0	1689.1	1689.1	1692.1	1696.7	1698.2	1695.2	1696.7	1689.1	1696.7
5°	1679.9	1681.4	1682.9	1679.9	1679.9	1681.4	1681.4	1678.3	1679.9	1672.2	1679.9
7.5°	1669.2	1670.7	1670.7	1666.1	1661.5	1664.6	1664.6	1661.5	1663.0	1655.4	1664.6
10°	1660.0	1660.0	1658.4	1649.2	1644.7	1649.2	1650.8	1652.3	1658.4	1652.3	1663.0
12.5°	1666.1	1666.1	1661.5	1649.2	1641.6	1644.7	1647.7	1650.8	1661.5	1660.0	1672.2
15°	1682.9	1684.5	1672.2	1658.4	1653.8	1658.4	1655.4	1653.8	1667.6	1672.2	1686.0
17.5°	1696.7	1696.7	1681.4	1667.6	1669.2	1676.8	1670.7	1663.0	1676.8	1686.0	1701.3
20°	1709.0	1707.4	1690.6	1681.4	1687.5	1698.2	1693.7	1682.9	1692.1	1702.8	1716.6
22.5°	1739.6	1738.1	1719.7	1715.1	1721.2	1731.9	1727.3	1718.2	1728.9	1744.2	1761.0
25°	1826.9	1823.8	1796.3	1780.9	1777.9	1785.5	1784.0	1780.9	1797.8	1816.2	1836.1
27.5°	1943.3	1941.7	1921.8	1906.5	1886.6	1880.5	1885.1	1898.9	1923.4	1937.1	1954.0
30°	2001.5	2001.5	1998.4	2022.9	2065.8	2107.1	2075.0	2022.9	2001.5	1995.3	2012.2
32.5°	2078.0	2085.7	2075.0	2102.5	2174.5	2235.7	2174.5	2090.3	2075.0	2075.0	2093.3
35°	2254.1	2257.2	2240.3	2235.7	2258.7	2266.4	2237.3	2206.7	2223.5	2226.6	2249.5
37.5°	2395.0	2395.0	2387.3	2399.6	2447.1	2476.2	2428.7	2373.6	2378.2	2381.2	2410.3
40°	2612.5	2618.6	2600.2	2598.7	2617.0	2643.1	2592.5	2557.3	2581.8	2589.5	2633.9
42.5°	2883.5	2883.5	2855.9	2848.3	2860.5	2888.1	2840.6	2817.7	2849.8	2855.9	2882.0
45°	3206.6	3214.3	3177.5	3163.7	3169.9	3179.0	3145.4	3134.6	3165.3	3179.0	3225.0
47.5°	3600.2	3607.8	3575.7	3574.1	3568.0	3574.1	3542.0	3535.8	3560.4	3549.6	3598.6
50°	4085.6	4099.4	4071.8	4110.1	4105.5	4123.9	4079.5	4047.3	4047.3	4018.2	4045.8
52.5°	4629.2	4656.8	4670.6	4734.9	4783.9	4829.8	4756.3	4705.8	4632.3	4572.6	4647.6
55°	5221.8	5214.2	5301.5	5442.4	5586.3	5695.0	5551.1	5391.8	5272.4	5148.3	5177.4
57.5°	5741.0	5767.0	5881.9	6139.1	6423.9	6653.6	6394.8	6088.6	5817.5	5639.9	5664.4
60°	6172.8	6194.2	6347.4	6718.0	7215.6	7532.6	7122.2	6616.9	6223.3	5978.3	6004.4
62.5°	6571.0	6590.9	6745.5	7154.4	7782.2	8195.7	7665.9	6975.2	6537.3	6290.7	6306.0
65°	6800.7	6812.9	7024.2	7454.5	8116.1	8543.3	7946.1	7234.0	6803.7	6552.6	6561.8
67.5°	6382.6	6402.5	6848.1	7442.3	8180.4	8549.4	7958.3	7241.7	6757.8	6430.1	6437.7
70°	5035.0	5018.2	5549.6	6571.0	7811.3	8292.2	7604.6	6698.1	5950.8	5492.9	5485.2
72.5°	3839.1	3843.6	4139.2	4839.0	6368.8	7652.1	6710.3	5393.4	4587.9	4240.3	4226.5
75°	2784.0	2826.8	3067.3	3580.3	4454.6	5719.5	5051.9	3996.8	3457.8	3249.5	3218.9
77.5°	1254.2	1309.3	1644.7	2248.0	2978.4	3160.7	3172.9	2713.5	2047.4	1701.3	1647.7
80°	366.0	392.0	503.8	862.1	1387.4	1793.2	1424.1	1197.5	745.8	585.0	557.4
82.5°	154.7	176.1	215.9	238.9	402.7	831.5	517.6	329.2	306.3	248.1	226.6
85°	65.8	70.4	90.3	96.5	130.2	177.6	163.9	148.5	142.4	110.3	101.1
87.5°	27.6	27.6	27.6	24.5	23.0	24.5	33.7	42.9	56.7	44.4	41.3
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)