

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: P641651

Luminaire Tested: GWS-SA6B-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641651
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-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21170.5 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

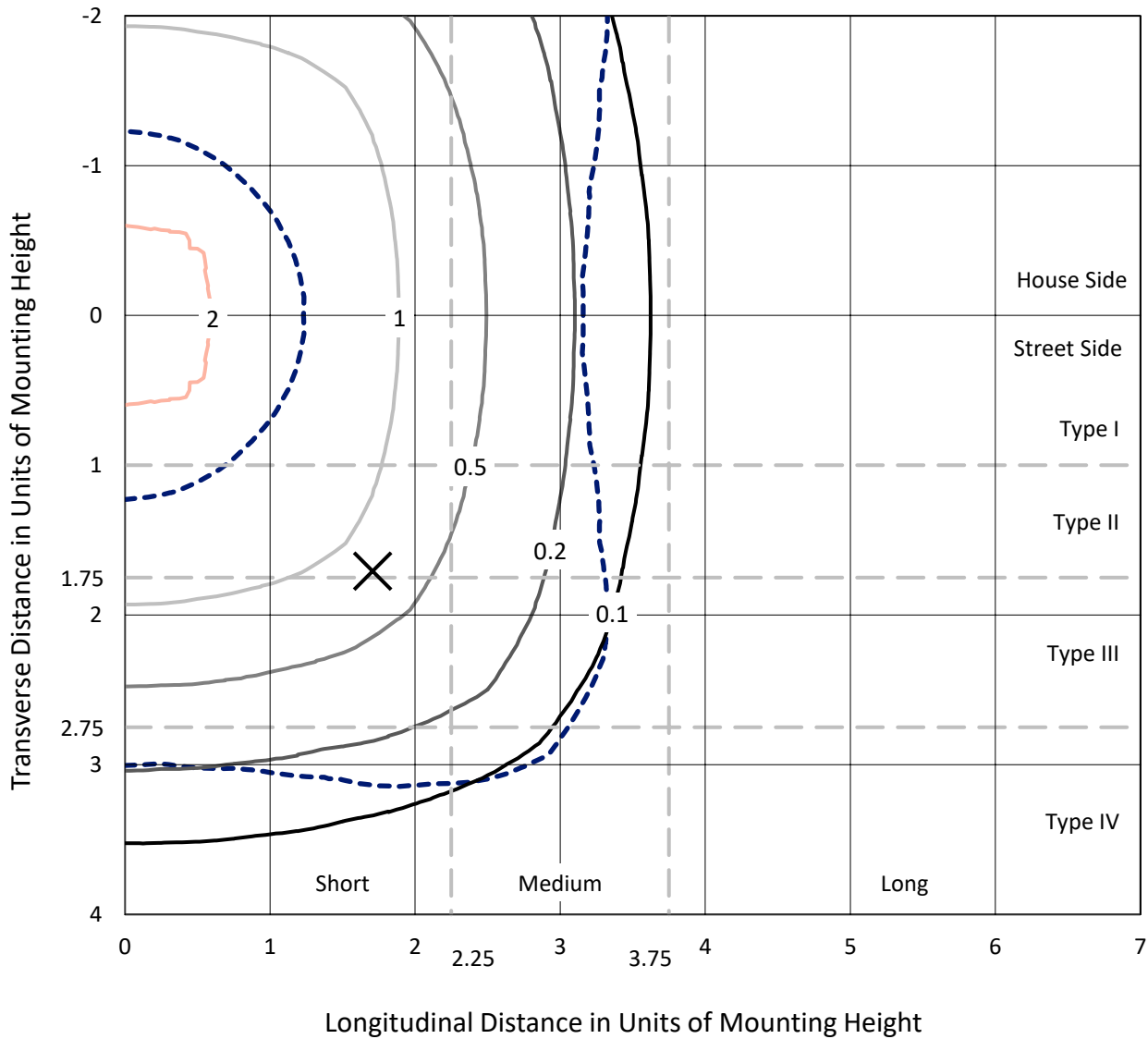
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

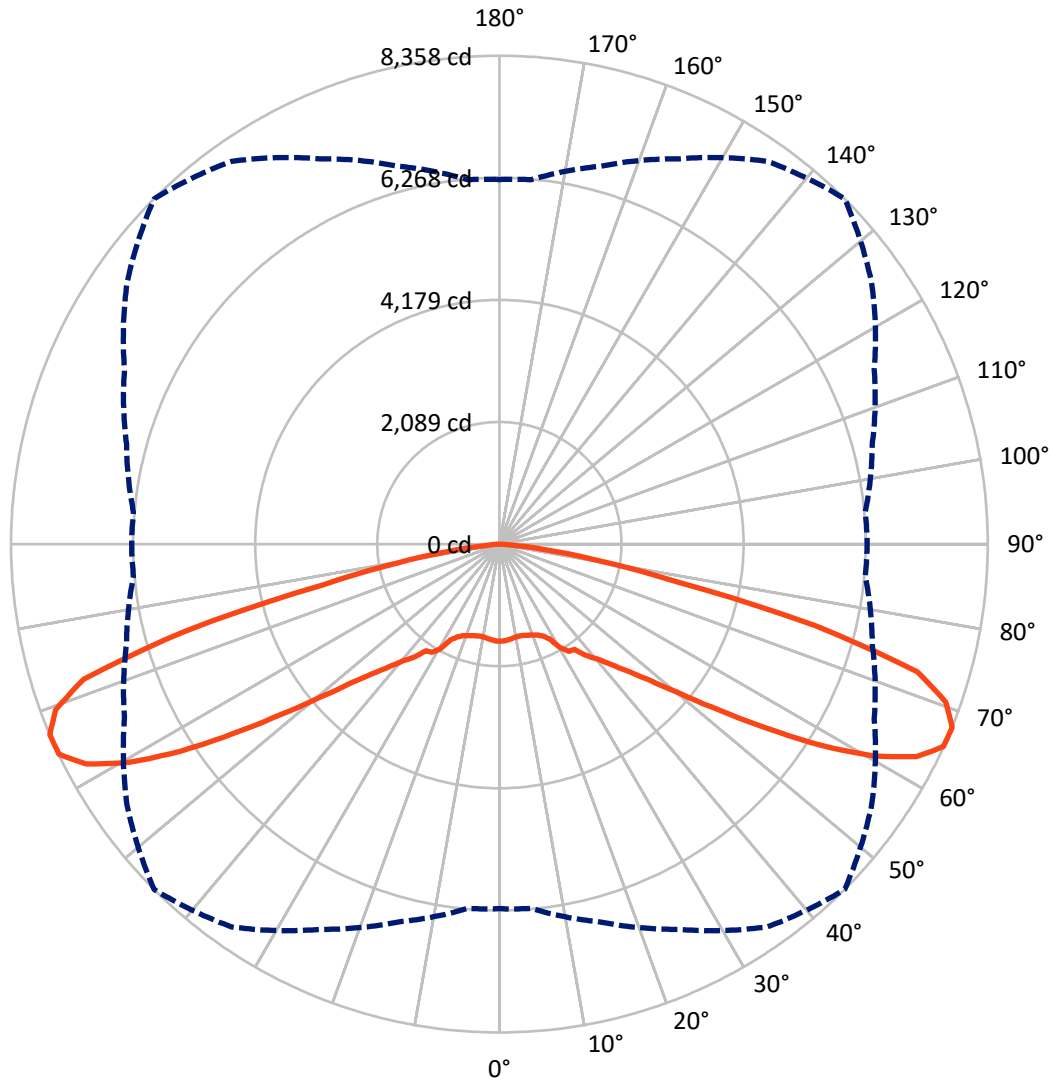
✕ Max cd
 - - - 1/2 Max cd



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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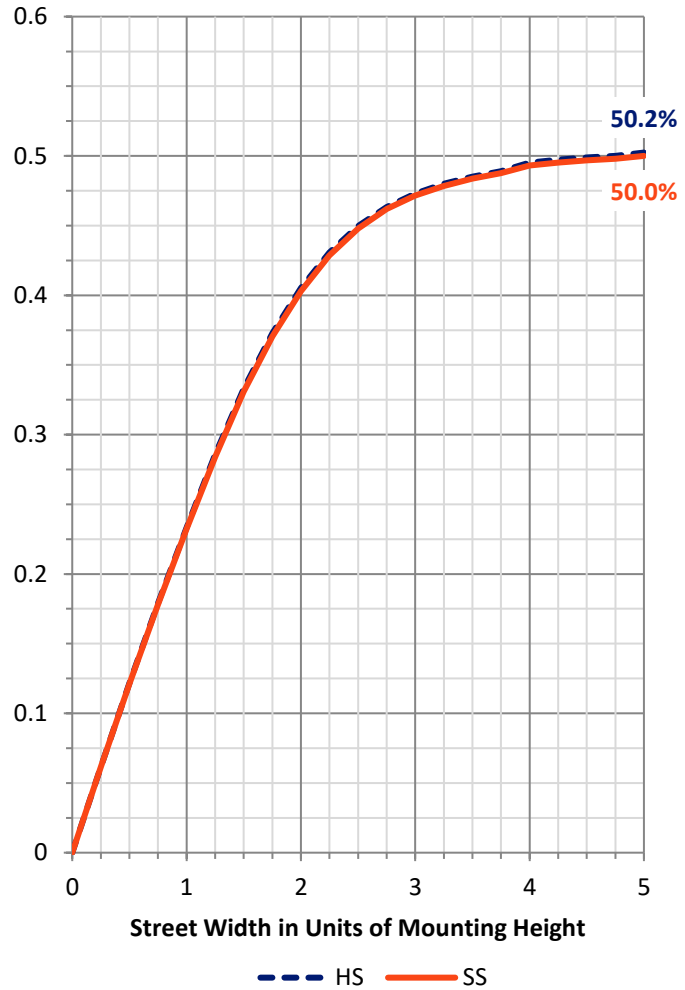
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10585.3	0.0	10585.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10585.3	0.0	10585.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	21170.5	0.0	21170.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	0.7
10°-20°	462.6	2.2
20°-30°	829.8	3.9
30°-40°	1401.8	6.6
40°-50°	2462.9	11.6
50°-60°	4751.1	22.4
60°-70°	6893.2	32.6
70°-80°	3944.0	18.6
80°-90°	269.2	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°	21170.5	100.0
0°-180°	21170.5	100.0

Coefficient of Utilization



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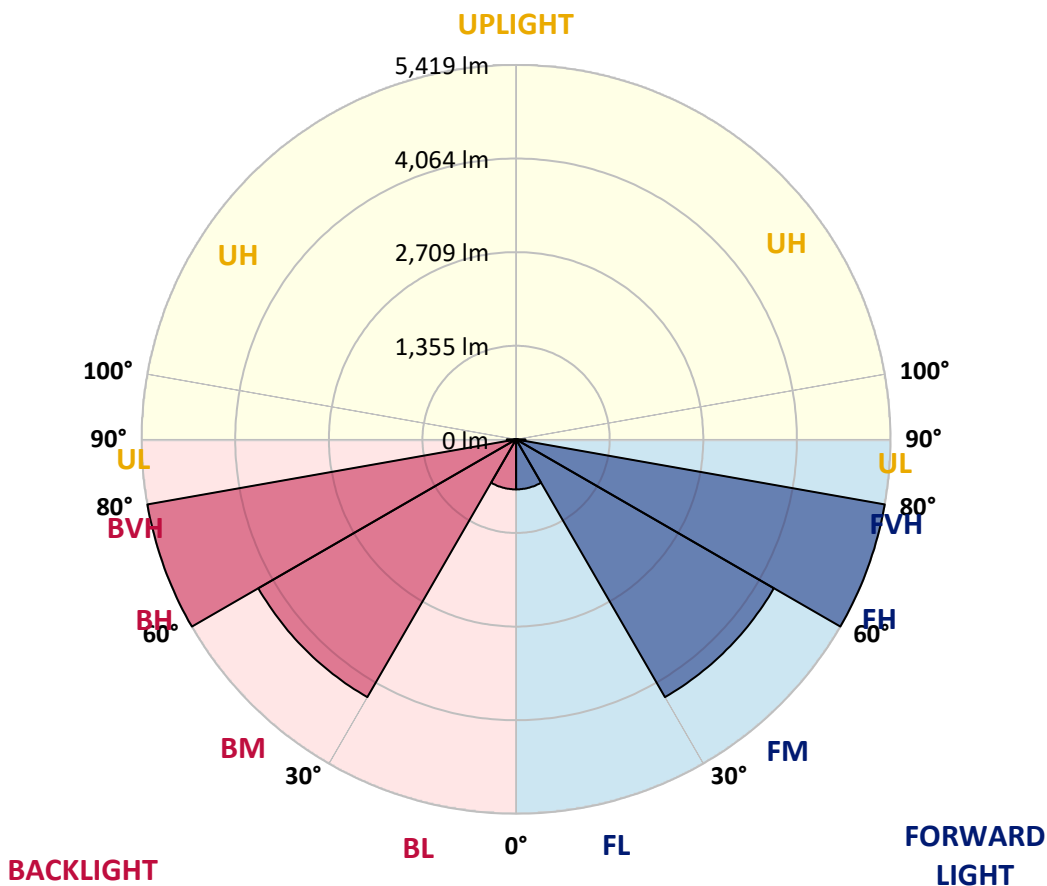
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	724.1	3.4			
FM (30°-60°)	4307.9	20.3			
FH (60°-80°)	5418.6	25.6			G3/7500
FVH (80°-90°)	134.6	0.6			G2/225
BL (0°-30°)	724.1	3.4	B2/1000		
BM (30°-60°)	4307.9	20.3	B3/5000		
BH (60°-80°)	5418.6	25.6	B5		G3/7500
BVH (80°-90°)	134.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		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°	1660.2	1660.2	1660.2	1660.2	1660.2	1660.2	1660.2	1660.2	1660.2	1660.2	1660.2
2.5°	1646.7	1648.2	1651.2	1651.2	1654.2	1658.7	1660.2	1657.2	1658.7	1651.2	1658.7
5°	1642.2	1643.7	1645.2	1642.2	1642.2	1643.7	1643.7	1640.7	1642.2	1634.7	1642.2
7.5°	1631.8	1633.3	1633.3	1628.8	1624.3	1627.3	1627.3	1624.3	1625.8	1618.3	1627.3
10°	1622.8	1622.8	1621.3	1612.3	1607.8	1612.3	1613.8	1615.3	1621.3	1615.3	1625.8
12.5°	1628.8	1628.8	1624.3	1612.3	1604.8	1607.8	1610.8	1613.8	1624.3	1622.8	1634.7
15°	1645.2	1646.7	1634.7	1621.3	1616.8	1621.3	1618.3	1616.8	1630.3	1634.7	1648.2
17.5°	1658.7	1658.7	1643.7	1630.3	1631.8	1639.2	1633.3	1625.8	1639.2	1648.2	1663.2
20°	1670.7	1669.2	1652.7	1643.7	1649.7	1660.2	1655.7	1645.2	1654.2	1664.7	1678.2
22.5°	1700.6	1699.1	1681.2	1676.7	1682.7	1693.1	1688.6	1679.7	1690.1	1705.1	1721.6
25°	1785.9	1783.0	1756.0	1741.0	1738.0	1745.5	1744.0	1741.0	1757.5	1775.5	1794.9
27.5°	1899.7	1898.2	1878.8	1863.8	1844.3	1838.3	1842.8	1856.3	1880.3	1893.7	1910.2
30°	1956.6	1956.6	1953.6	1977.6	2019.5	2059.9	2028.5	1977.6	1956.6	1950.6	1967.1
32.5°	2031.5	2038.9	2028.5	2055.4	2125.8	2185.7	2125.8	2043.4	2028.5	2028.5	2046.4
35°	2203.6	2206.6	2190.1	2185.7	2208.1	2215.6	2187.2	2157.2	2173.7	2176.7	2199.1
37.5°	2341.3	2341.3	2333.9	2345.8	2392.2	2420.7	2374.3	2320.4	2324.9	2327.9	2356.3
40°	2553.9	2559.9	2541.9	2540.4	2558.4	2583.9	2534.5	2500.0	2524.0	2531.5	2574.9
42.5°	2818.9	2818.9	2791.9	2784.5	2796.4	2823.4	2777.0	2754.5	2786.0	2791.9	2817.4
45°	3134.8	3142.3	3106.3	3092.9	3098.8	3107.8	3074.9	3064.4	3094.3	3107.8	3152.7
47.5°	3519.5	3527.0	3495.6	3494.1	3488.1	3494.1	3462.6	3456.6	3480.6	3470.1	3518.0
50°	3994.1	4007.5	3980.6	4018.0	4013.5	4031.5	3988.1	3956.6	3956.6	3928.2	3955.1
52.5°	4525.5	4552.4	4565.9	4628.8	4676.7	4721.6	4649.8	4600.4	4528.5	4470.1	4543.5
55°	5104.9	5097.4	5182.7	5320.4	5461.1	5567.4	5426.7	5271.0	5154.3	5033.0	5061.4
57.5°	5612.3	5637.8	5750.1	6001.6	6280.0	6504.6	6251.6	5952.2	5687.2	5513.5	5537.5
60°	6034.5	6055.5	6205.2	6567.4	7054.0	7363.9	6962.7	6468.6	6083.9	5844.4	5869.8
62.5°	6423.7	6443.2	6594.4	6994.1	7607.9	8012.1	7494.1	6818.9	6390.8	6149.8	6164.7
65°	6648.3	6660.3	6866.8	7287.5	7934.2	8351.9	7768.1	7071.9	6651.3	6405.8	6414.7
67.5°	6239.6	6259.1	6694.7	7275.5	7997.1	8357.9	7780.0	7079.4	6606.4	6286.0	6293.5
70°	4922.2	4905.7	5425.2	6423.7	7636.3	8106.4	7434.2	6548.0	5817.4	5369.8	5362.3
72.5°	3753.0	3757.5	4046.5	4730.6	6226.1	7480.6	6560.0	5272.5	4485.1	4145.3	4131.8
75°	2721.6	2763.5	2998.5	3500.0	4354.8	5591.4	4938.7	3907.2	3380.3	3176.7	3146.7
77.5°	1226.1	1280.0	1607.8	2197.6	2911.7	3089.9	3101.8	2652.7	2001.5	1663.2	1610.8
80°	357.8	383.2	492.5	842.8	1356.3	1753.0	1392.2	1170.7	729.1	571.9	544.9
82.5°	151.2	172.2	211.1	233.5	393.7	812.9	506.0	321.9	299.4	242.5	221.6
85°	64.4	68.9	88.3	94.3	127.2	173.7	160.2	145.2	139.2	107.8	98.8
87.5°	26.9	26.9	26.9	24.0	22.5	24.0	32.9	41.9	55.4	43.4	40.4
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)