

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: P639008

Luminaire Tested: GWS-SA5B-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13670 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

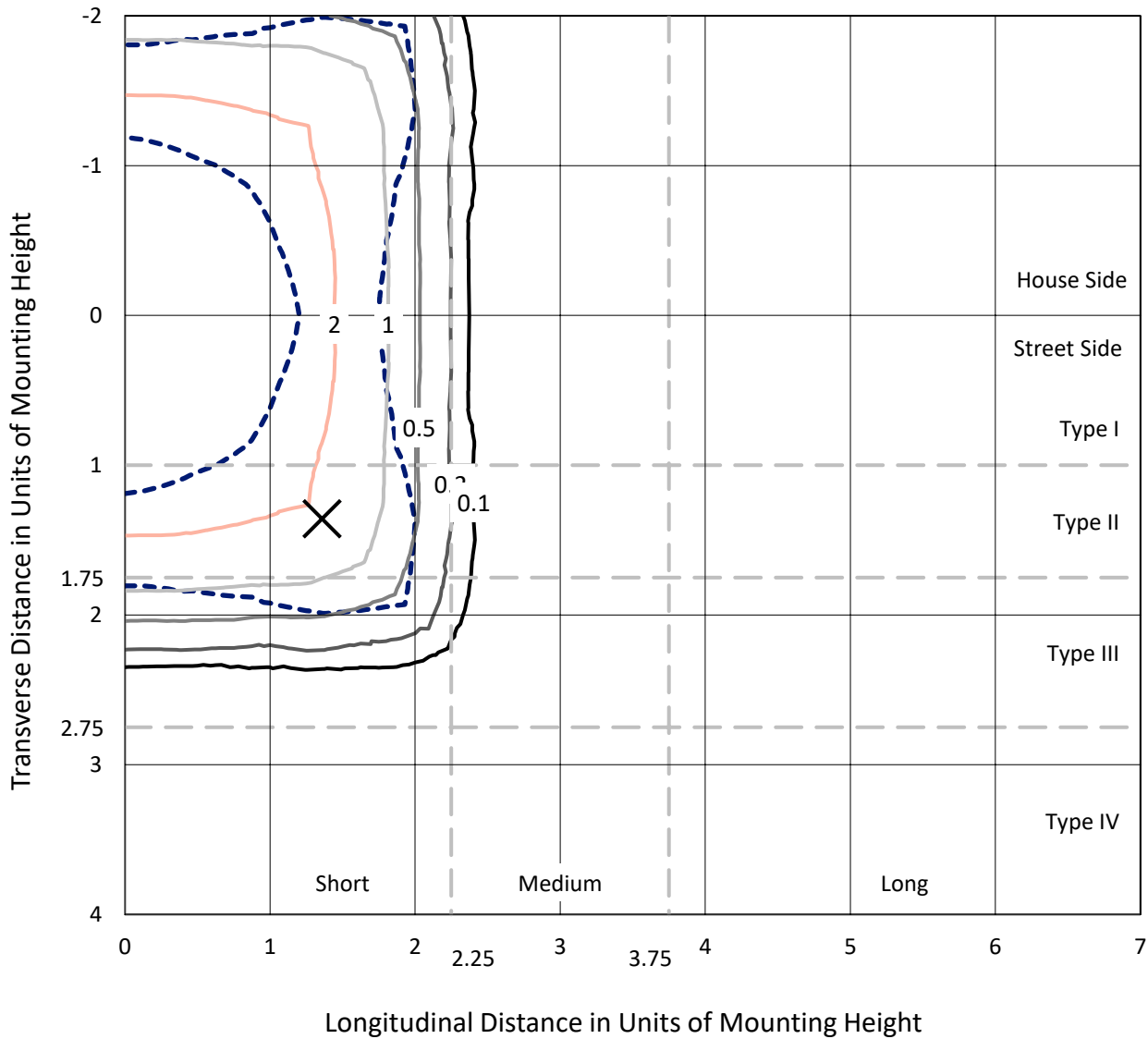
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

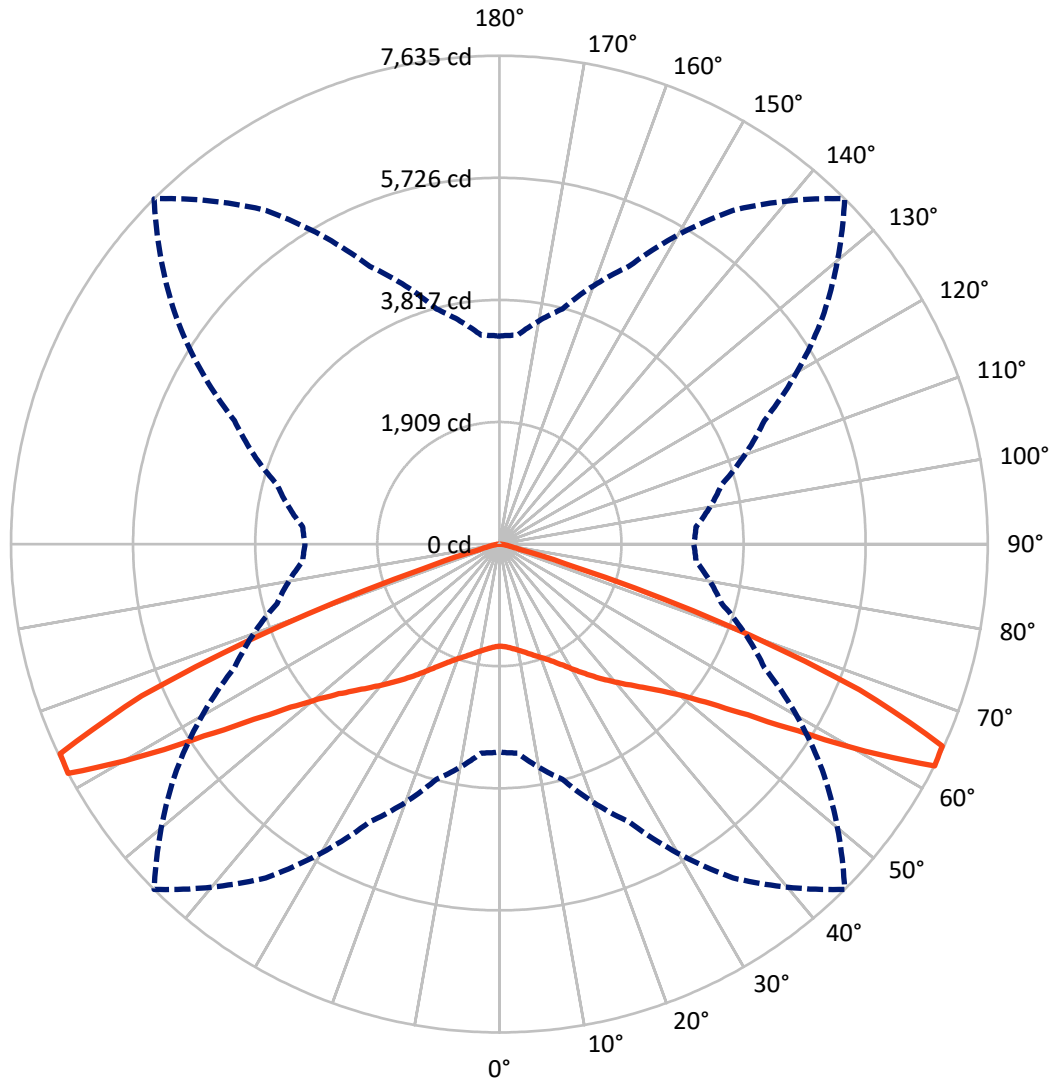
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6835.0	0.0	6835.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6835.0	0.0	6835.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13670.0	0.0	13670.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	1.1
10°-20°	504.6	3.7
20°-30°	954.6	7.0
30°-40°	1606.8	11.8
40°-50°	2567.2	18.8
50°-60°	4138.1	30.3
60°-70°	3376.2	24.7
70°-80°	327.9	2.4
80°-90°	38.1	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°	13670.0	100.0
0°-180°	13670.0	100.0

Coefficient of Utilization



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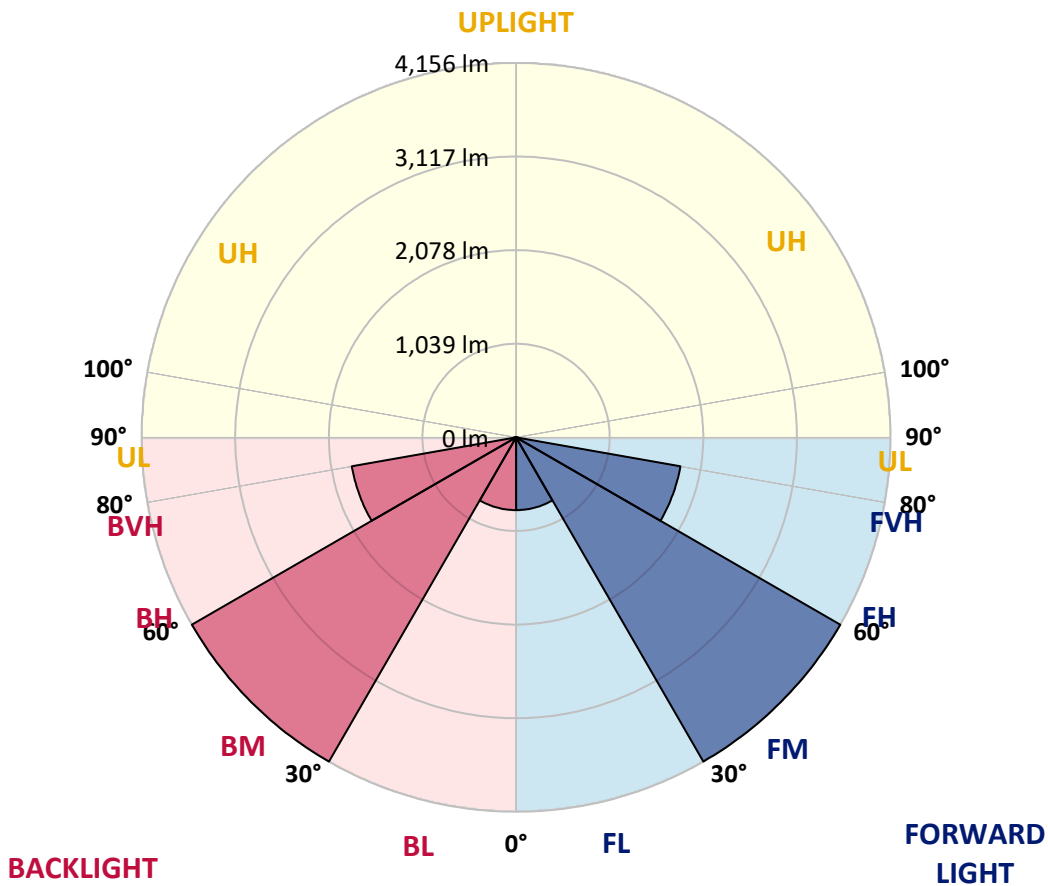
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	807.8	5.9			
FM (30°-60°)	4156.0	30.4			
FH (60°-80°)	1852.1	13.5			G2/5000
FVH (80°-90°)	19.1	0.1			G1/100
BL (0°-30°)	807.8	5.9	B2/1000		
BM (30°-60°)	4156.0	30.4	B3/5000		
BH (60°-80°)	1852.1	13.5	B3/2500		G2/5000
BVH (80°-90°)	19.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8
2.5°	1592.9	1592.9	1596.7	1599.5	1597.6	1605.1	1604.2	1602.3	1601.4	1598.5	1607.0
5°	1614.5	1614.5	1617.3	1620.1	1615.4	1624.8	1621.0	1619.2	1618.2	1614.5	1622.0
7.5°	1638.9	1641.7	1642.6	1647.3	1644.5	1654.8	1652.0	1648.2	1646.4	1641.7	1648.2
10°	1666.0	1667.9	1668.9	1677.3	1678.2	1690.4	1687.6	1682.9	1679.2	1674.5	1683.9
12.5°	1702.6	1703.5	1706.4	1716.7	1719.5	1728.9	1727.9	1721.4	1716.7	1710.1	1720.4
15°	1749.5	1750.4	1755.1	1765.4	1770.1	1781.4	1777.6	1767.3	1760.7	1753.2	1761.7
17.5°	1798.2	1802.0	1806.7	1817.0	1823.6	1836.7	1832.0	1820.7	1815.1	1807.6	1813.2
20°	1861.1	1862.0	1864.8	1876.1	1880.7	1895.7	1896.7	1885.4	1882.6	1875.1	1883.6
22.5°	1930.4	1931.4	1934.2	1946.4	1954.8	1964.2	1969.8	1963.3	1958.6	1949.2	1959.5
25°	2007.3	2016.7	2019.5	2034.5	2043.9	2049.5	2056.1	2053.3	2046.7	2035.4	2040.1
27.5°	2115.1	2117.0	2121.7	2138.6	2144.2	2149.8	2156.4	2157.3	2148.0	2134.8	2141.4
30°	2238.0	2237.0	2247.3	2260.5	2265.1	2269.8	2279.2	2284.8	2272.6	2258.6	2265.1
32.5°	2363.6	2374.8	2388.0	2400.2	2397.3	2399.2	2414.2	2424.5	2407.7	2382.3	2388.0
35°	2505.2	2512.7	2529.5	2547.4	2543.6	2540.8	2550.2	2560.5	2537.0	2504.2	2512.7
37.5°	2650.5	2661.7	2687.0	2708.6	2703.0	2689.9	2700.2	2711.4	2688.9	2651.4	2647.7
40°	2812.7	2830.5	2867.1	2884.9	2869.9	2844.6	2862.4	2889.6	2867.1	2823.9	2813.6
42.5°	3003.0	3024.6	3061.1	3088.3	3055.5	3014.3	3044.3	3083.6	3078.0	3020.8	3003.0
45°	3238.3	3252.4	3297.4	3310.5	3261.8	3204.6	3259.0	3319.0	3304.9	3243.0	3219.6
47.5°	3494.3	3515.9	3555.2	3579.6	3500.8	3429.6	3505.5	3586.2	3571.2	3513.0	3485.8
50°	3820.6	3848.7	3900.3	3920.9	3812.1	3730.6	3828.1	3930.3	3901.2	3823.4	3787.7
52.5°	4175.9	4198.4	4286.5	4327.8	4225.6	4137.5	4222.8	4323.1	4261.2	4158.1	4110.3
55°	4489.0	4511.5	4640.9	4777.8	4773.1	4712.2	4755.3	4757.2	4589.4	4418.7	4368.1
57.5°	4556.5	4579.0	4825.6	5183.8	5436.9	5507.2	5380.7	5114.4	4691.6	4392.5	4335.3
60°	4196.5	4221.8	4613.7	5268.2	6100.7	6570.4	5987.3	5106.9	4375.6	3970.6	3916.2
62.5°	3251.5	3278.6	3805.6	4788.1	6368.8	7634.6	6163.5	4569.7	3599.3	3086.4	3038.6
65°	1552.6	1552.6	2222.0	3434.3	5834.4	7609.2	5653.5	3380.8	2166.7	1664.2	1622.9
67.5°	384.4	386.3	571.9	1337.0	3968.7	6072.6	4033.4	1622.9	763.2	540.0	526.0
70°	240.0	239.1	265.3	361.9	1388.5	3685.5	1649.2	489.4	310.3	273.8	271.9
72.5°	186.6	186.6	199.7	231.6	363.8	1255.4	481.0	271.9	225.0	202.5	202.5
75°	147.2	147.2	156.6	173.4	214.7	323.5	256.0	201.6	174.4	159.4	157.5
77.5°	109.7	111.6	119.1	130.3	146.3	181.9	162.2	151.9	135.9	124.7	120.9
80°	71.3	74.1	83.4	90.0	95.6	120.0	105.9	110.6	103.1	90.0	88.1
82.5°	38.4	39.4	50.6	52.5	54.4	65.6	67.5	70.3	73.1	57.2	53.4
85°	14.1	14.1	16.9	19.7	21.6	23.4	31.9	39.4	41.3	32.8	31.9
87.5°	2.8	2.8	2.8	1.9	1.9	1.9	5.6	10.3	16.9	13.1	13.1
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)