

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: P635048

Luminaire Tested: GWS-SA3D-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635048
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-SA3D-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13548.6 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

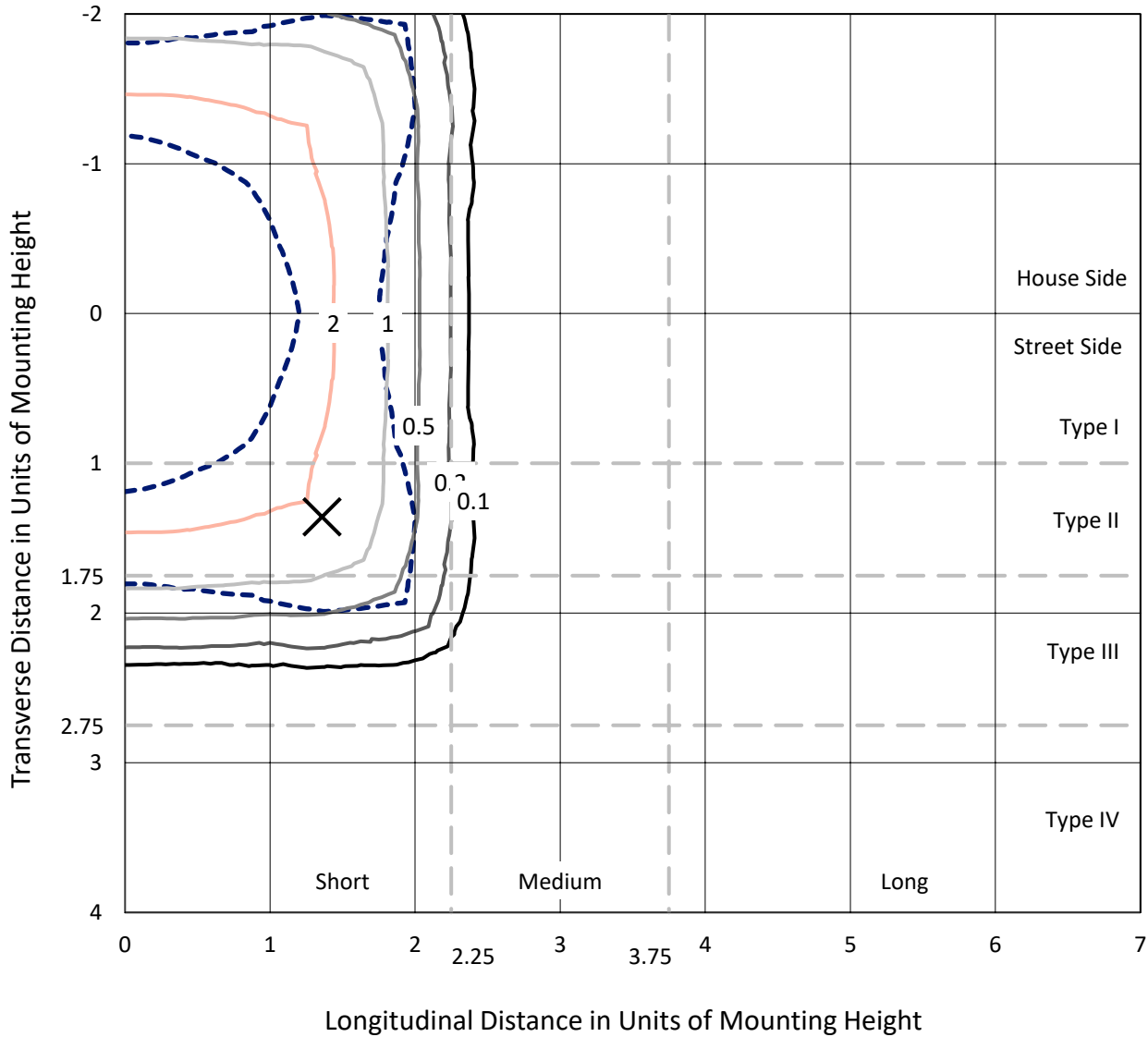
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

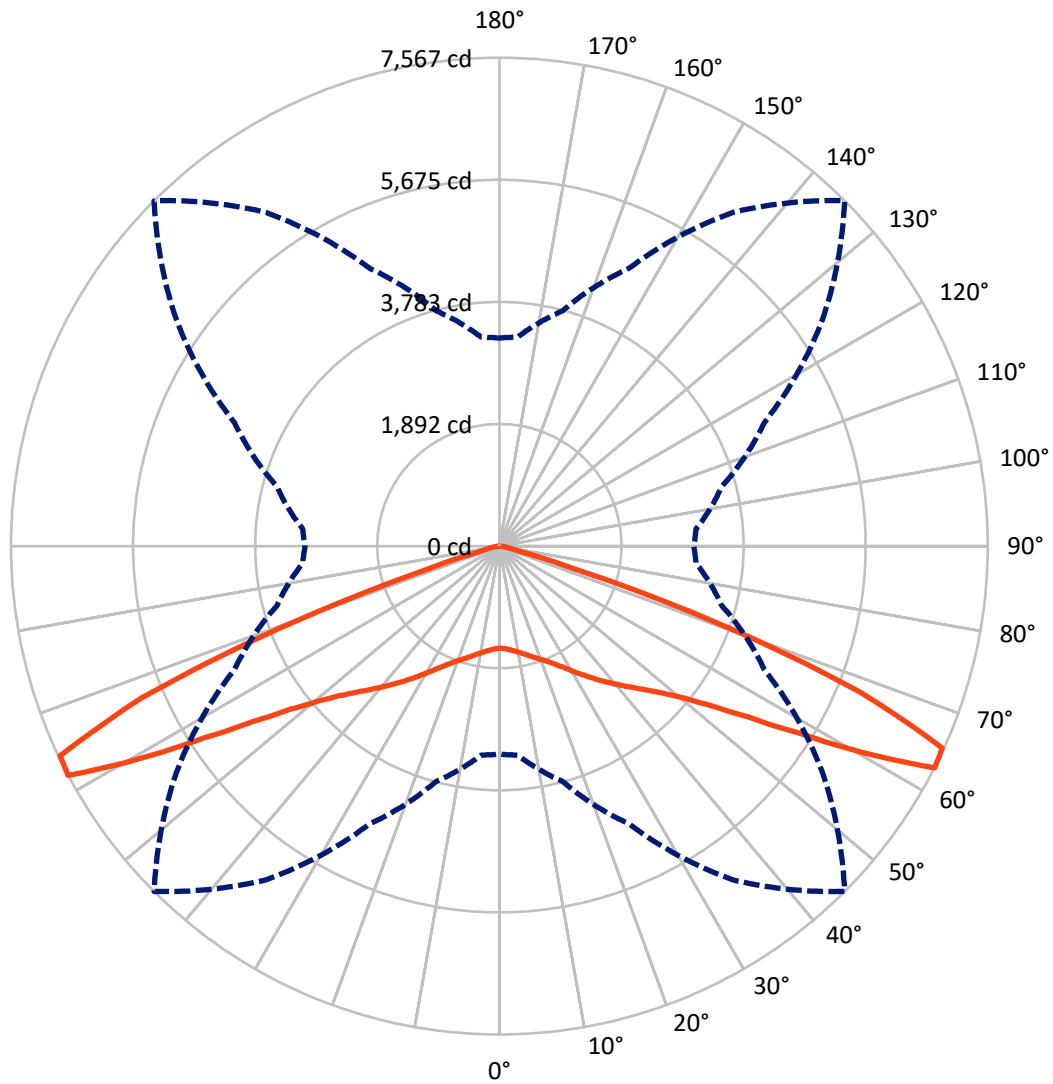
✕ Max cd
 - - - 1/2 Max cd



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	6774.3	0.0	6774.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6774.3	0.0	6774.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13548.6	0.0	13548.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	1.1
10°-20°	500.1	3.7
20°-30°	946.1	7.0
30°-40°	1592.5	11.8
40°-50°	2544.4	18.8
50°-60°	4101.4	30.3
60°-70°	3346.3	24.7
70°-80°	324.9	2.4
80°-90°	37.8	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°	13548.6	100.0
0°-180°	13548.6	100.0

Coefficient of Utilization



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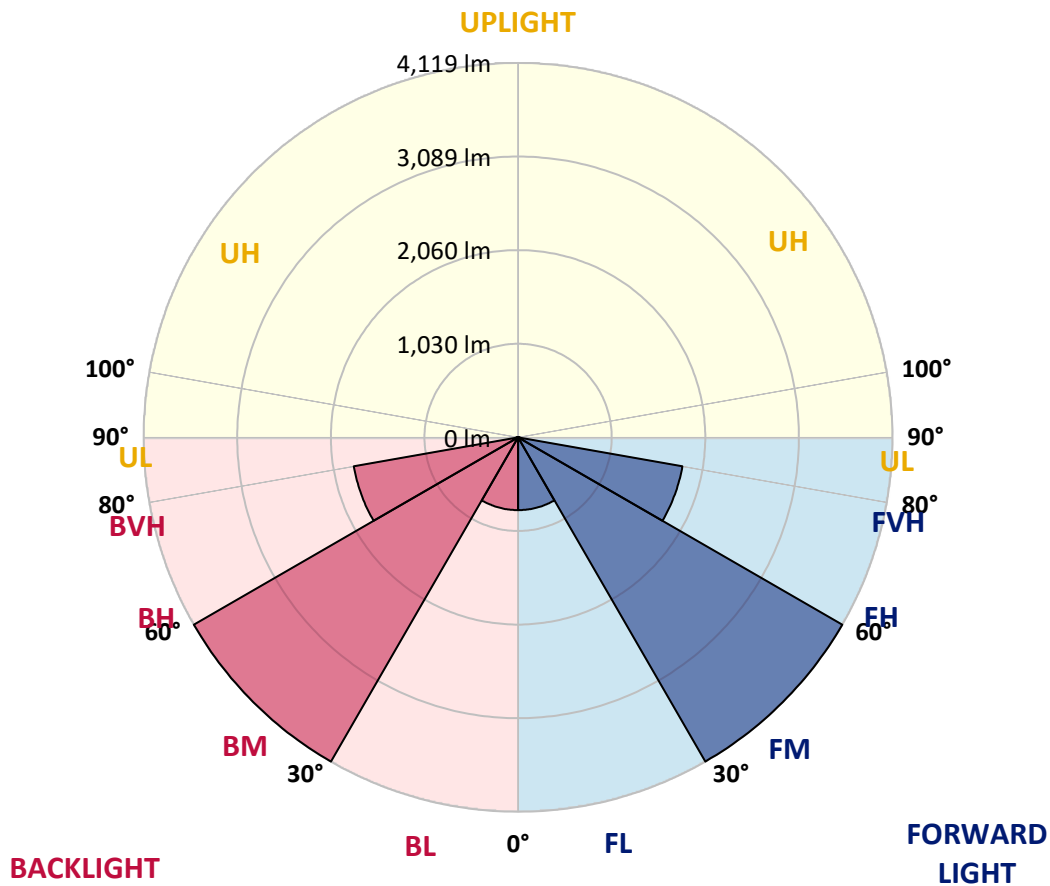
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.7	5.9			
FM (30°-60°)	4119.1	30.4			
FH (60°-80°)	1835.6	13.5			G2/5000
FVH (80°-90°)	18.9	0.1			G1/100
BL (0°-30°)	800.7	5.9	B2/1000		
BM (30°-60°)	4119.1	30.4	B3/5000		
BH (60°-80°)	1835.6	13.5	B3/2500		G2/5000
BVH (80°-90°)	18.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

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°	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6
2.5°	1578.8	1578.8	1582.5	1585.3	1583.4	1590.8	1589.9	1588.1	1587.1	1584.3	1592.7
5°	1600.1	1600.1	1602.9	1605.7	1601.1	1610.4	1606.6	1604.8	1603.9	1600.1	1607.6
7.5°	1624.3	1627.1	1628.0	1632.7	1629.9	1640.1	1637.3	1633.6	1631.7	1627.1	1633.6
10°	1651.2	1653.1	1654.0	1662.4	1663.3	1675.4	1672.6	1668.0	1664.3	1659.6	1668.9
12.5°	1687.5	1688.4	1691.2	1701.4	1704.2	1713.5	1712.6	1706.1	1701.4	1694.9	1705.1
15°	1734.0	1734.9	1739.5	1749.7	1754.4	1765.5	1761.8	1751.6	1745.1	1737.7	1746.0
17.5°	1782.3	1786.0	1790.6	1800.9	1807.4	1820.4	1815.7	1804.6	1799.0	1791.6	1797.1
20°	1844.5	1845.5	1848.2	1859.4	1864.0	1878.9	1879.8	1868.7	1865.9	1858.5	1866.8
22.5°	1913.3	1914.2	1917.0	1929.1	1937.5	1946.7	1952.3	1945.8	1941.2	1931.9	1942.1
25°	1989.5	1998.8	2001.6	2016.4	2025.7	2031.3	2037.8	2035.0	2028.5	2017.4	2022.0
27.5°	2096.4	2098.2	2102.9	2119.6	2125.2	2130.7	2137.2	2138.2	2128.9	2115.9	2122.4
30°	2218.1	2217.2	2227.4	2240.4	2245.0	2249.7	2259.0	2264.5	2252.5	2238.5	2245.0
32.5°	2342.6	2353.7	2366.8	2378.8	2376.1	2377.9	2392.8	2403.0	2386.3	2361.2	2366.8
35°	2482.9	2490.3	2507.1	2524.7	2521.0	2518.2	2527.5	2537.7	2514.5	2482.0	2490.3
37.5°	2626.9	2638.1	2663.2	2684.6	2679.0	2666.0	2676.2	2687.3	2665.0	2627.9	2624.2
40°	2787.7	2805.4	2841.6	2859.3	2844.4	2819.3	2837.0	2863.9	2841.6	2798.9	2788.6
42.5°	2976.3	2997.7	3033.9	3060.9	3028.4	2987.5	3017.2	3056.3	3050.7	2994.0	2976.3
45°	3209.6	3223.5	3268.1	3281.1	3232.8	3176.1	3230.0	3289.5	3275.5	3214.2	3191.0
47.5°	3463.3	3484.6	3523.7	3547.8	3469.8	3399.1	3474.4	3554.3	3539.5	3481.8	3454.9
50°	3786.6	3814.5	3865.6	3886.1	3778.3	3697.4	3794.1	3895.3	3866.5	3789.4	3754.1
52.5°	4138.8	4161.1	4248.5	4289.3	4188.1	4100.7	4185.3	4284.7	4223.4	4121.2	4073.8
55°	4449.2	4471.5	4599.7	4735.4	4730.7	4670.3	4713.1	4714.9	4548.6	4379.5	4329.3
57.5°	4516.1	4538.4	4782.8	5137.7	5388.6	5458.3	5332.9	5069.0	4649.9	4353.5	4296.8
60°	4159.3	4184.3	4572.8	5221.4	6046.5	6512.1	5934.1	5061.5	4336.7	3935.3	3881.4
62.5°	3222.6	3249.5	3771.8	4745.6	6312.3	7566.8	6108.8	4529.1	3567.3	3059.0	3011.6
65°	1538.8	1538.8	2202.3	3403.8	5782.6	7541.7	5603.3	3350.8	2147.5	1649.4	1608.5
67.5°	381.0	382.8	566.8	1325.1	3933.4	6018.6	3997.6	1608.5	756.4	535.2	521.3
70°	237.9	237.0	263.0	358.7	1376.2	3652.8	1634.5	485.1	307.6	271.3	269.5
72.5°	184.9	184.9	197.9	229.5	360.5	1244.2	476.7	269.5	223.0	200.7	200.7
75°	145.9	145.9	155.2	171.9	212.8	320.6	253.7	199.8	172.8	158.0	156.1
77.5°	108.7	110.6	118.0	129.2	145.0	180.3	160.8	150.5	134.7	123.6	119.9
80°	70.6	73.4	82.7	89.2	94.8	118.9	105.0	109.6	102.2	89.2	87.3
82.5°	38.1	39.0	50.2	52.0	53.9	65.0	66.9	69.7	72.5	56.7	53.0
85°	13.9	13.9	16.7	19.5	21.4	23.2	31.6	39.0	40.9	32.5	31.6
87.5°	2.8	2.8	2.8	1.9	1.9	1.9	5.6	10.2	16.7	13.0	13.0
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)