

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: P635540

Luminaire Tested: GWS-SA3E-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16775.4 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

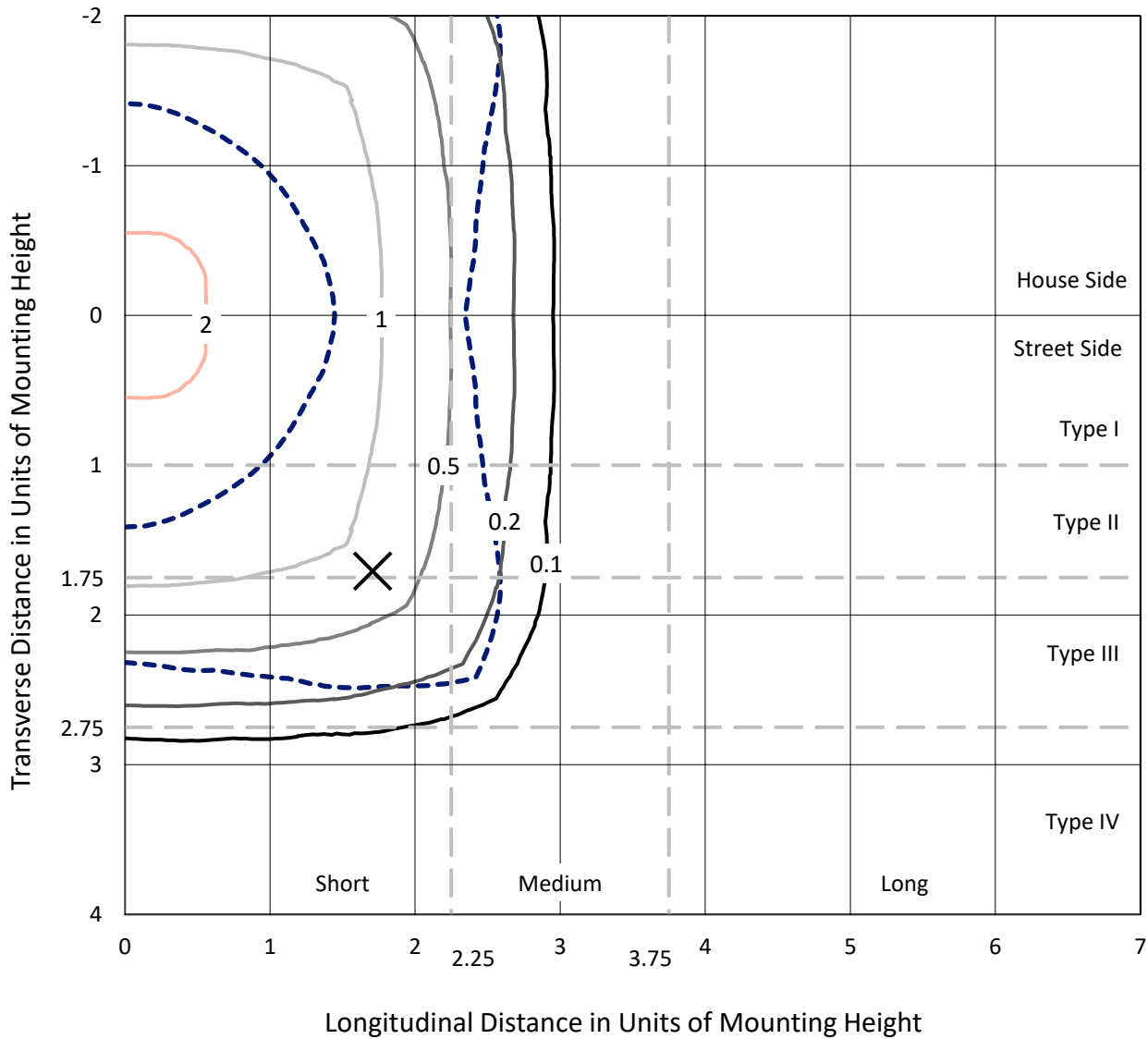
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

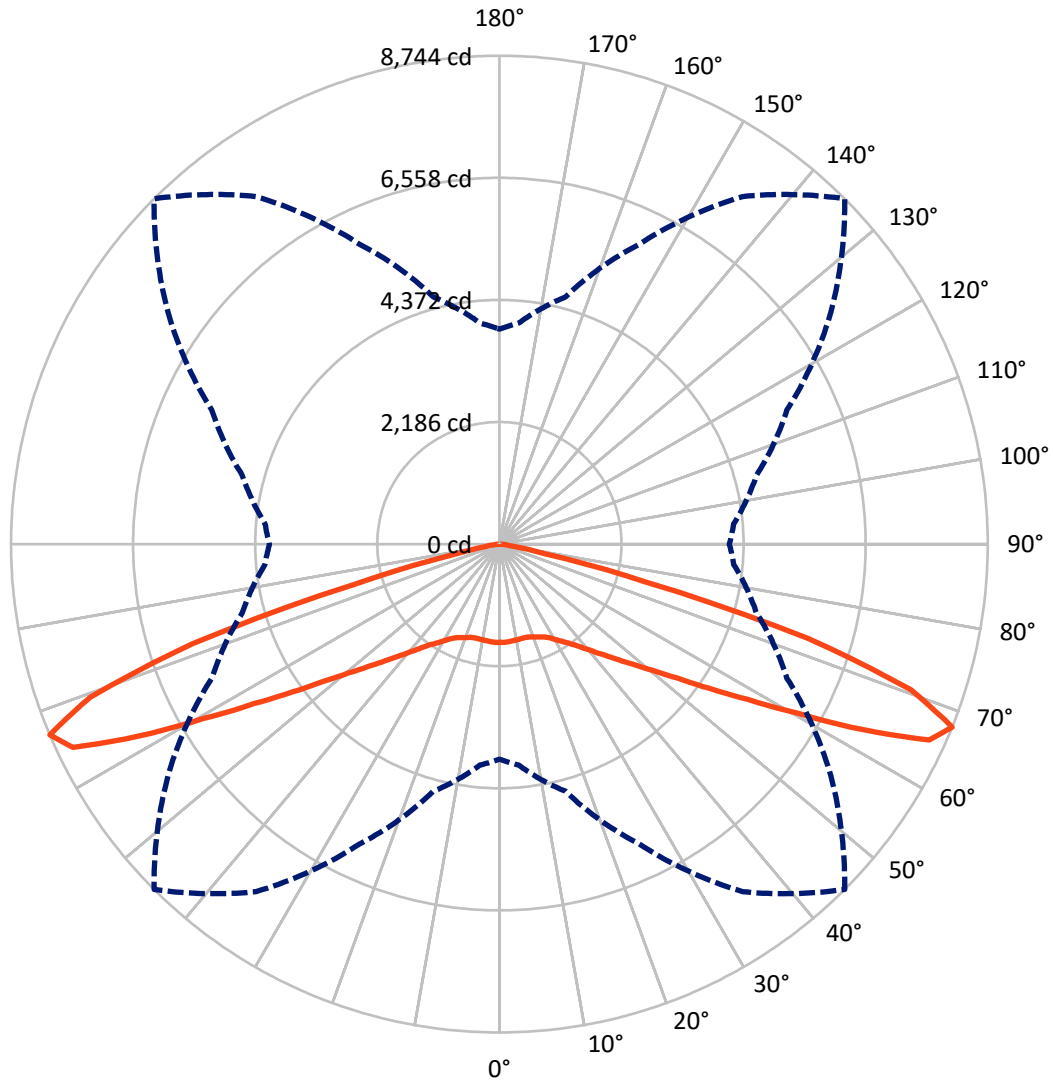
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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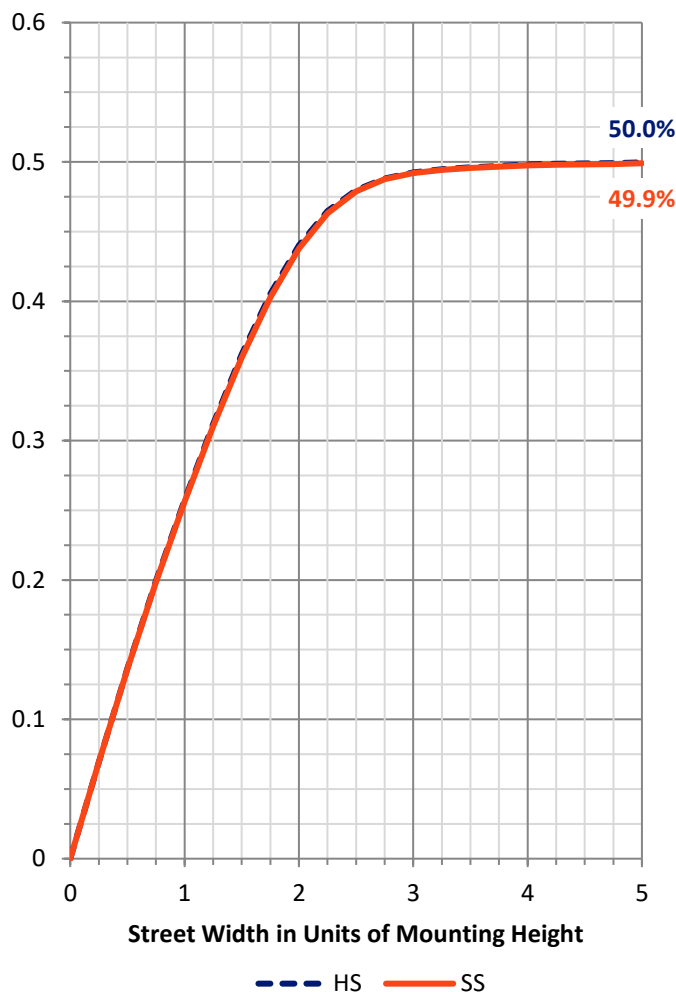
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8387.7	0.0	8387.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8387.7	0.0	8387.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16775.4	0.0	16775.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	1.0
10°-20°	488.4	2.9
20°-30°	842.4	5.0
30°-40°	1369.7	8.2
40°-50°	2306.3	13.7
50°-60°	4086.3	24.4
60°-70°	5841.1	34.8
70°-80°	1603.1	9.6
80°-90°	71.8	0.4
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°	16775.4	100.0
0°-180°	16775.4	100.0

Coefficient of Utilization



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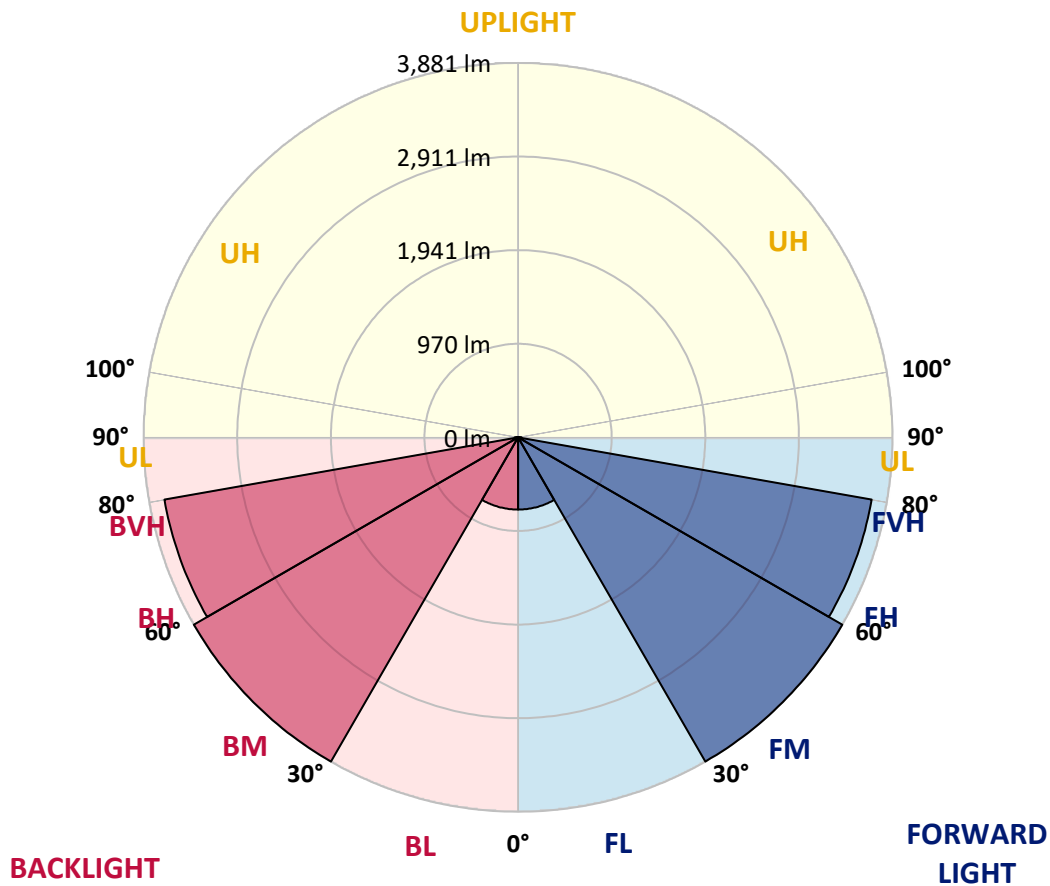
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.5	4.5			
FM (30°-60°)	3881.2	23.1			
FH (60°-80°)	3722.1	22.2			G2/5000
FVH (80°-90°)	35.9	0.2			G1/100
BL (0°-30°)	748.5	4.5	B2/1000		
BM (30°-60°)	3881.2	23.1	B3/5000		
BH (60°-80°)	3722.1	22.2	B4/5000		G2/5000
BVH (80°-90°)	35.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9	1756.9
2.5°	1745.3	1744.2	1750.0	1753.4	1752.3	1760.4	1759.3	1756.9	1756.9	1753.4	1762.7
5°	1745.3	1744.2	1748.8	1750.0	1747.6	1754.6	1752.3	1750.0	1750.0	1745.3	1753.4
7.5°	1736.0	1737.2	1740.7	1743.0	1740.7	1746.5	1743.0	1738.3	1737.2	1732.5	1740.7
10°	1718.6	1719.8	1723.3	1729.1	1730.2	1740.7	1734.9	1726.7	1723.3	1718.6	1726.7
12.5°	1708.2	1709.3	1712.8	1719.8	1722.1	1736.0	1730.2	1717.4	1711.6	1707.0	1715.1
15°	1705.8	1707.0	1711.6	1718.6	1722.1	1736.0	1730.2	1715.1	1707.0	1701.2	1708.2
17.5°	1705.8	1708.2	1715.1	1725.6	1732.5	1746.5	1739.5	1722.1	1710.5	1700.0	1707.0
20°	1707.0	1710.5	1720.9	1736.0	1753.4	1773.2	1763.9	1740.7	1724.4	1711.6	1716.3
22.5°	1717.4	1723.3	1736.0	1755.8	1781.3	1804.5	1796.4	1765.1	1741.8	1724.4	1729.1
25°	1753.4	1755.8	1772.0	1797.6	1822.0	1841.7	1833.6	1804.5	1775.5	1754.6	1760.4
27.5°	1817.3	1823.1	1837.1	1863.8	1884.7	1895.1	1894.0	1874.2	1845.2	1826.6	1831.2
30°	1894.0	1899.8	1918.3	1948.5	1969.4	1981.0	1977.6	1962.5	1935.8	1910.2	1914.9
32.5°	1983.4	1985.7	2007.8	2041.4	2063.5	2080.9	2069.3	2053.0	2019.4	1989.2	1991.5
35°	2097.2	2100.6	2123.9	2155.2	2172.6	2186.6	2184.3	2168.0	2132.0	2099.5	2107.6
37.5°	2240.0	2242.3	2263.2	2302.7	2316.6	2327.1	2329.4	2321.3	2284.1	2242.3	2250.4
40°	2417.7	2418.8	2442.0	2476.9	2492.0	2498.9	2500.1	2501.3	2463.0	2431.6	2429.3
42.5°	2624.4	2630.2	2662.7	2696.4	2703.3	2699.8	2711.5	2723.1	2685.9	2642.9	2646.4
45°	2871.7	2875.2	2919.3	2956.5	2943.7	2932.1	2954.1	2977.4	2943.7	2888.0	2871.7
47.5°	3164.3	3171.3	3218.9	3256.1	3235.2	3214.3	3250.3	3274.6	3220.1	3160.8	3145.7
50°	3495.3	3499.9	3567.3	3613.7	3589.3	3551.0	3596.3	3621.8	3548.7	3475.5	3443.0
52.5°	3886.6	3877.3	3966.7	4048.0	4032.9	3983.0	4020.1	4024.8	3915.6	3812.3	3779.8
55°	4363.9	4354.6	4444.0	4533.4	4570.6	4557.8	4540.4	4512.5	4351.1	4240.8	4210.6
57.5°	4920.1	4891.1	5016.5	5137.2	5218.5	5241.8	5167.4	5102.4	4974.7	4838.8	4804.0
60°	5436.8	5435.7	5634.2	5843.3	6066.2	6159.1	5971.0	5794.5	5507.7	5260.3	5210.4
62.5°	5582.0	5606.4	5931.5	6449.4	6999.8	7328.5	6832.6	6248.5	5694.6	5321.9	5255.7
65°	5224.3	5284.7	5746.9	6564.4	7651.3	8454.9	7335.4	6259.0	5486.8	5022.3	4952.6
67.5°	3850.6	3971.4	4583.3	5923.4	7595.5	8744.0	7246.0	5679.5	4765.7	4212.9	4116.5
70°	1899.8	2014.7	2500.1	3897.1	6249.7	7816.2	6269.4	4280.3	3218.9	2687.1	2598.8
72.5°	699.1	745.5	935.9	1667.5	3448.8	5773.6	4287.2	2391.0	1559.5	1241.3	1182.1
75°	342.6	350.7	379.7	559.7	1272.7	2717.3	2014.7	917.4	573.6	499.3	483.1
77.5°	218.3	221.8	235.7	267.1	408.7	855.8	610.8	362.3	281.0	269.4	269.4
80°	121.9	125.4	144.0	166.1	191.6	293.8	219.5	217.1	184.6	161.4	157.9
82.5°	58.1	63.9	91.7	90.6	101.0	147.5	128.9	117.3	118.4	89.4	84.8
85°	26.7	26.7	36.0	43.0	45.3	49.9	59.2	67.4	66.2	45.3	48.8
87.5°	12.8	12.8	12.8	11.6	10.5	9.3	12.8	20.9	30.2	20.9	19.7
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)