

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209333

Luminaire Tested: UPW-SA2-110-750-U-5MQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-750-U-5MQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

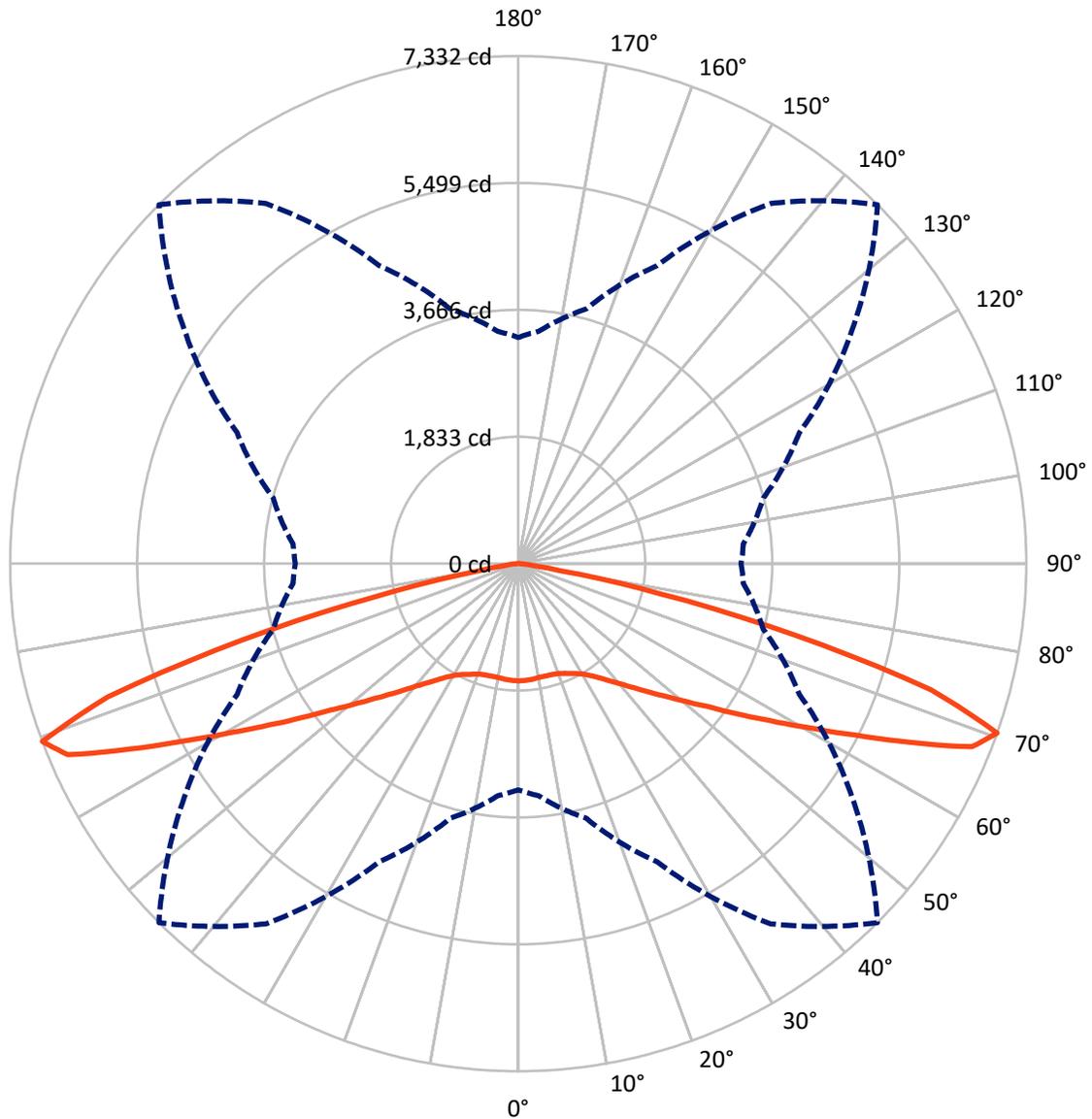
Lumens per Lamp: N/A
Luminaire Lumens: 15507 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7753.5	0.0	7753.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7753.5	0.0	7753.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15507.0	0.0	15507.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	1.0
10°-20°	470.9	3.0
20°-30°	801.6	5.2
30°-40°	1271.4	8.2
40°-50°	2068.9	13.3
50°-60°	3411.3	22.0
60°-70°	5007.8	32.3
70°-80°	2214.4	14.3
80°-90°	100.3	0.6
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°	15507.0	100.0
0°-180°	15507.0	100.0



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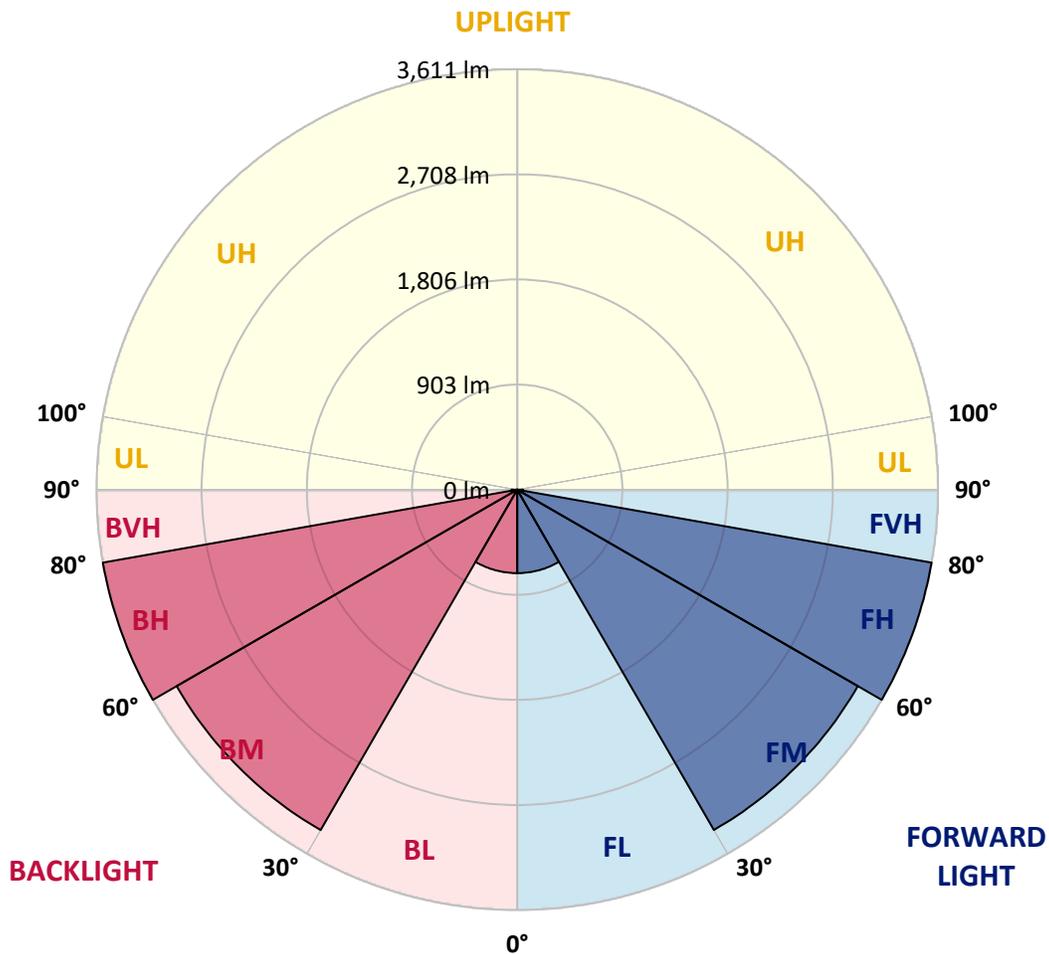
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	716.5	4.6			
FM	(30°-60°)	3375.8	21.8			
FH	(60°-80°)	3611.1	23.3			G2/5000
FVH	(80°-90°)	50.1	0.3			G1/100
BL	(0°-30°)	716.5	4.6	B2/1000		
BM	(30°-60°)	3375.8	21.8	B3/5000		
BH	(60°-80°)	3611.1	23.3	B4/5000		G2/5000
BVH	(80°-90°)	50.1	0.3			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°	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6
2.5°	1691.0	1689.5	1693.1	1692.6	1689.5	1690.0	1690.0	1691.6	1691.6	1690.5	1690.5
5°	1684.9	1683.9	1688.0	1688.0	1684.9	1685.9	1686.9	1688.5	1688.0	1686.9	1686.4
7.5°	1677.2	1676.7	1680.8	1680.8	1678.7	1679.7	1678.7	1679.2	1678.2	1677.2	1675.6
10°	1664.4	1665.4	1669.0	1670.0	1670.0	1670.5	1669.5	1666.9	1665.4	1663.8	1662.3
12.5°	1652.5	1652.0	1657.2	1659.7	1663.8	1668.5	1665.4	1658.2	1655.1	1652.0	1651.0
15°	1644.9	1645.4	1650.5	1655.1	1662.3	1672.1	1668.5	1657.2	1651.0	1647.4	1646.4
17.5°	1643.3	1644.3	1651.0	1659.2	1666.9	1677.7	1675.6	1664.4	1654.1	1647.4	1645.9
20°	1646.9	1647.4	1657.7	1669.5	1682.8	1693.1	1688.5	1676.2	1662.3	1652.0	1649.5
22.5°	1653.6	1655.6	1668.5	1686.9	1707.5	1721.3	1715.7	1694.6	1673.1	1660.2	1656.7
25°	1674.6	1675.1	1692.6	1717.7	1742.4	1758.3	1751.6	1721.8	1694.1	1679.7	1675.1
27.5°	1718.2	1719.8	1737.2	1766.5	1787.5	1797.8	1793.7	1769.6	1746.0	1730.6	1732.1
30°	1781.4	1783.4	1802.9	1835.3	1848.1	1850.6	1849.6	1838.3	1816.8	1796.2	1797.8
32.5°	1858.3	1859.4	1885.5	1914.8	1925.1	1927.1	1925.1	1914.8	1889.1	1861.4	1863.0
35°	1957.4	1960.5	1985.6	2013.9	2022.1	2026.2	2022.6	2009.2	1982.5	1955.3	1954.3
37.5°	2079.5	2080.1	2106.2	2135.5	2145.7	2146.8	2142.7	2133.9	2100.6	2076.0	2074.4
40°	2221.2	2223.2	2254.0	2285.3	2289.4	2284.8	2290.5	2285.3	2251.0	2222.7	2227.3
42.5°	2393.6	2398.2	2435.2	2466.0	2454.2	2451.6	2455.2	2456.8	2429.0	2394.7	2391.6
45°	2594.3	2598.4	2644.6	2669.2	2661.5	2644.6	2651.8	2664.1	2625.6	2583.0	2587.1
47.5°	2823.2	2833.5	2882.7	2905.8	2886.8	2863.7	2877.6	2896.1	2850.9	2798.0	2795.5
50°	3077.7	3090.6	3156.3	3188.6	3169.6	3127.0	3150.1	3162.4	3097.2	3029.0	3023.3
52.5°	3349.2	3362.1	3444.7	3511.4	3499.1	3432.9	3465.2	3452.4	3377.5	3285.6	3278.4
55°	3656.6	3661.8	3751.1	3858.9	3871.2	3822.4	3820.4	3799.3	3688.5	3582.2	3577.1
57.5°	3972.8	3976.4	4091.9	4219.1	4277.1	4277.1	4219.6	4175.0	4027.7	3904.5	3891.7
60°	4314.1	4326.9	4454.7	4627.6	4763.1	4803.2	4701.6	4579.9	4419.8	4269.4	4254.5
62.5°	4617.9	4632.8	4828.3	5085.9	5303.6	5449.3	5200.9	5002.8	4711.3	4470.1	4441.9
65°	4656.4	4696.4	4981.3	5447.8	5934.8	6225.8	5749.5	5261.5	4730.3	4395.2	4366.4
67.5°	4252.5	4320.2	4705.1	5431.3	6437.8	7062.3	6100.1	5113.7	4389.5	4019.0	3987.2
70°	3267.6	3366.2	3810.1	4750.8	6351.0	7331.8	5880.4	4476.8	3659.7	3261.0	3216.3
72.5°	1792.7	1833.2	2232.5	3253.3	5091.6	6230.4	4904.8	3310.2	2427.0	1974.8	1899.9
75°	568.6	583.0	786.2	1331.3	2880.2	4126.8	3115.7	1624.8	894.5	659.5	651.8
77.5°	252.5	254.0	284.3	388.5	992.0	2090.8	1191.7	442.4	304.8	266.4	275.1
80°	159.6	159.6	176.0	192.5	270.0	607.1	322.3	210.4	179.6	166.8	170.4
82.5°	76.5	84.7	114.4	123.2	148.3	204.3	165.3	137.5	120.1	89.3	83.1
85°	50.3	42.1	72.4	81.6	86.2	98.0	96.0	90.8	78.5	44.6	49.8
87.5°	22.6	21.6	37.5	34.4	32.3	24.6	37.0	45.7	44.1	22.1	22.1
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)