

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: P1209306

Luminaire Tested: UPW-SA2-110-740-U-5MQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209306
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-SA2-110-740-U-5MQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

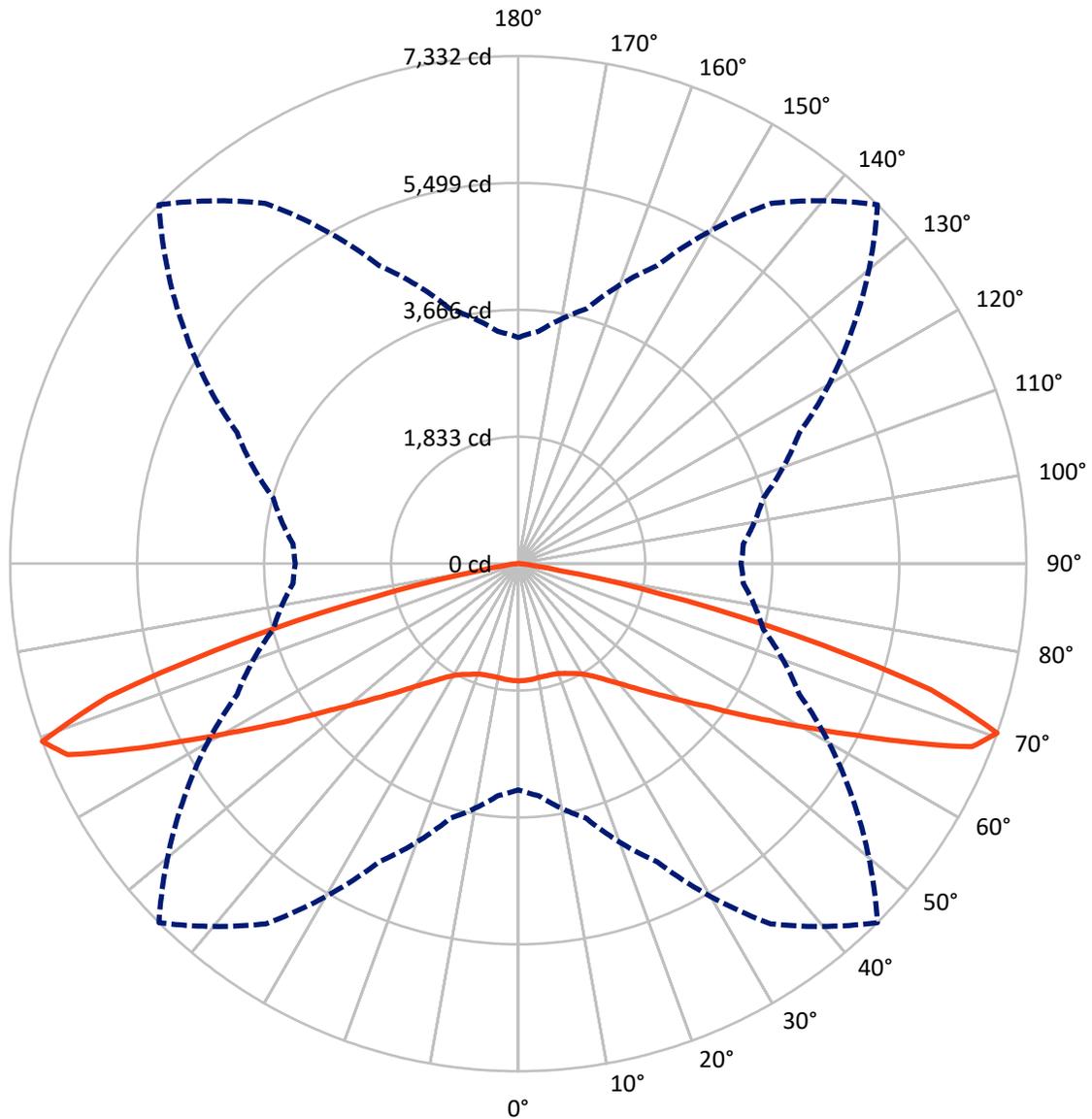
Lumens per Lamp: N/A
Luminaire Lumens: 15508 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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	7754.0	0.0	7754.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7754.0	0.0	7754.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15508.0	0.0	15508.0
	% 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°	801.7	5.2
30°-40°	1271.5	8.2
40°-50°	2069.0	13.3
50°-60°	3411.5	22.0
60°-70°	5008.1	32.3
70°-80°	2214.6	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°	15508.0	100.0
0°-180°	15508.0	100.0



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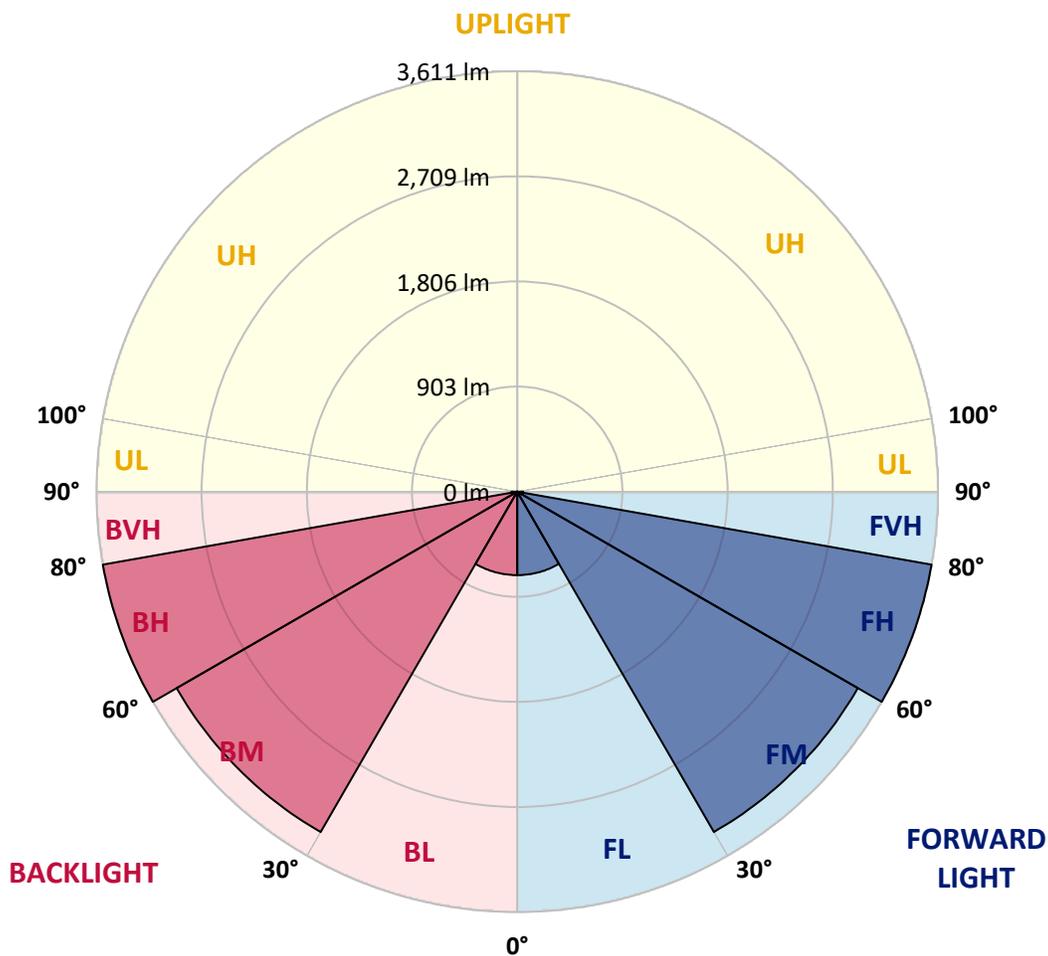
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	716.5	4.6			
FM	(30°-60°)	3376.0	21.8			
FH	(60°-80°)	3611.4	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°)	3376.0	21.8	B3/5000		
BH	(60°-80°)	3611.4	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°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1691.1	1689.6	1693.2	1692.7	1689.6	1690.1	1690.1	1691.7	1691.7	1690.6	1690.6
5°	1685.0	1684.0	1688.1	1688.1	1685.0	1686.0	1687.0	1688.6	1688.1	1687.0	1686.5
7.5°	1677.3	1676.8	1680.9	1680.9	1678.8	1679.9	1678.8	1679.3	1678.3	1677.3	1675.8
10°	1664.5	1665.5	1669.1	1670.1	1670.1	1670.6	1669.6	1667.0	1665.5	1663.9	1662.4
12.5°	1652.7	1652.1	1657.3	1659.8	1663.9	1668.6	1665.5	1658.3	1655.2	1652.1	1651.1
15°	1645.0	1645.5	1650.6	1655.2	1662.4	1672.2	1668.6	1657.3	1651.1	1647.5	1646.5
17.5°	1643.4	1644.4	1651.1	1659.3	1667.0	1677.8	1675.8	1664.5	1654.2	1647.5	1646.0
20°	1647.0	1647.5	1657.8	1669.6	1682.9	1693.2	1688.6	1676.3	1662.4	1652.1	1649.6
22.5°	1653.7	1655.7	1668.6	1687.0	1707.6	1721.4	1715.8	1694.7	1673.2	1660.4	1656.8
25°	1674.7	1675.2	1692.7	1717.8	1742.5	1758.4	1751.7	1721.9	1694.2	1679.9	1675.2
27.5°	1718.4	1719.9	1737.3	1766.6	1787.6	1797.9	1793.8	1769.7	1746.1	1730.7	1732.2
30°	1781.5	1783.5	1803.0	1835.4	1848.2	1850.8	1849.7	1838.5	1816.9	1796.4	1797.9
32.5°	1858.5	1859.5	1885.7	1914.9	1925.2	1927.2	1925.2	1914.9	1889.3	1861.5	1863.1
35°	1957.5	1960.6	1985.8	2014.0	2022.2	2026.3	2022.7	2009.4	1982.7	1955.5	1954.4
37.5°	2079.7	2080.2	2106.4	2135.6	2145.9	2146.9	2142.8	2134.1	2100.7	2076.1	2074.5
40°	2221.3	2223.4	2254.2	2285.5	2289.6	2285.0	2290.6	2285.5	2251.1	2222.9	2227.5
42.5°	2393.8	2398.4	2435.4	2466.2	2454.3	2451.8	2455.4	2456.9	2429.2	2394.8	2391.7
45°	2594.5	2598.6	2644.8	2669.4	2661.7	2644.8	2651.9	2664.3	2625.8	2583.2	2587.3
47.5°	2823.4	2833.6	2882.9	2906.0	2887.0	2863.9	2877.8	2896.3	2851.1	2798.2	2795.7
50°	3077.9	3090.8	3156.5	3188.8	3169.8	3127.2	3150.3	3162.6	3097.4	3029.2	3023.5
52.5°	3349.4	3362.3	3444.9	3511.6	3499.3	3433.1	3465.4	3452.6	3377.7	3285.8	3278.6
55°	3656.9	3662.0	3751.3	3859.1	3871.4	3822.7	3820.6	3799.6	3688.7	3582.5	3577.3
57.5°	3973.0	3976.6	4092.1	4219.4	4277.4	4277.4	4219.9	4175.3	4028.0	3904.8	3892.0
60°	4314.4	4327.2	4455.0	4627.9	4763.4	4803.5	4701.9	4580.2	4420.1	4269.7	4254.8
62.5°	4618.2	4633.1	4828.6	5086.3	5303.9	5449.7	5201.2	5003.1	4711.6	4470.4	4442.2
65°	4656.7	4696.7	4981.6	5448.1	5935.2	6226.2	5749.9	5261.8	4730.6	4395.4	4366.7
67.5°	4252.8	4320.5	4705.4	5431.7	6438.2	7062.8	6100.5	5114.0	4389.8	4019.2	3987.4
70°	3267.8	3366.4	3810.3	4751.1	6351.4	7332.2	5880.8	4477.1	3660.0	3261.2	3216.5
72.5°	1792.8	1833.3	2232.6	3253.5	5091.9	6230.8	4905.1	3310.4	2427.1	1975.0	1900.0
75°	568.7	583.0	786.3	1331.4	2880.3	4127.0	3115.9	1624.9	894.6	659.5	651.8
77.5°	252.5	254.1	284.3	388.5	992.1	2091.0	1191.8	442.4	304.9	266.4	275.1
80°	159.6	159.6	176.0	192.5	270.0	607.2	322.3	210.4	179.6	166.8	170.4
82.5°	76.5	84.7	114.5	123.2	148.3	204.3	165.3	137.6	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	44.7	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)