

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: P1209010

Luminaire Tested: UPW-SA2-090-730-U-5NQ

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-090-730-U-5NQ  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11203 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

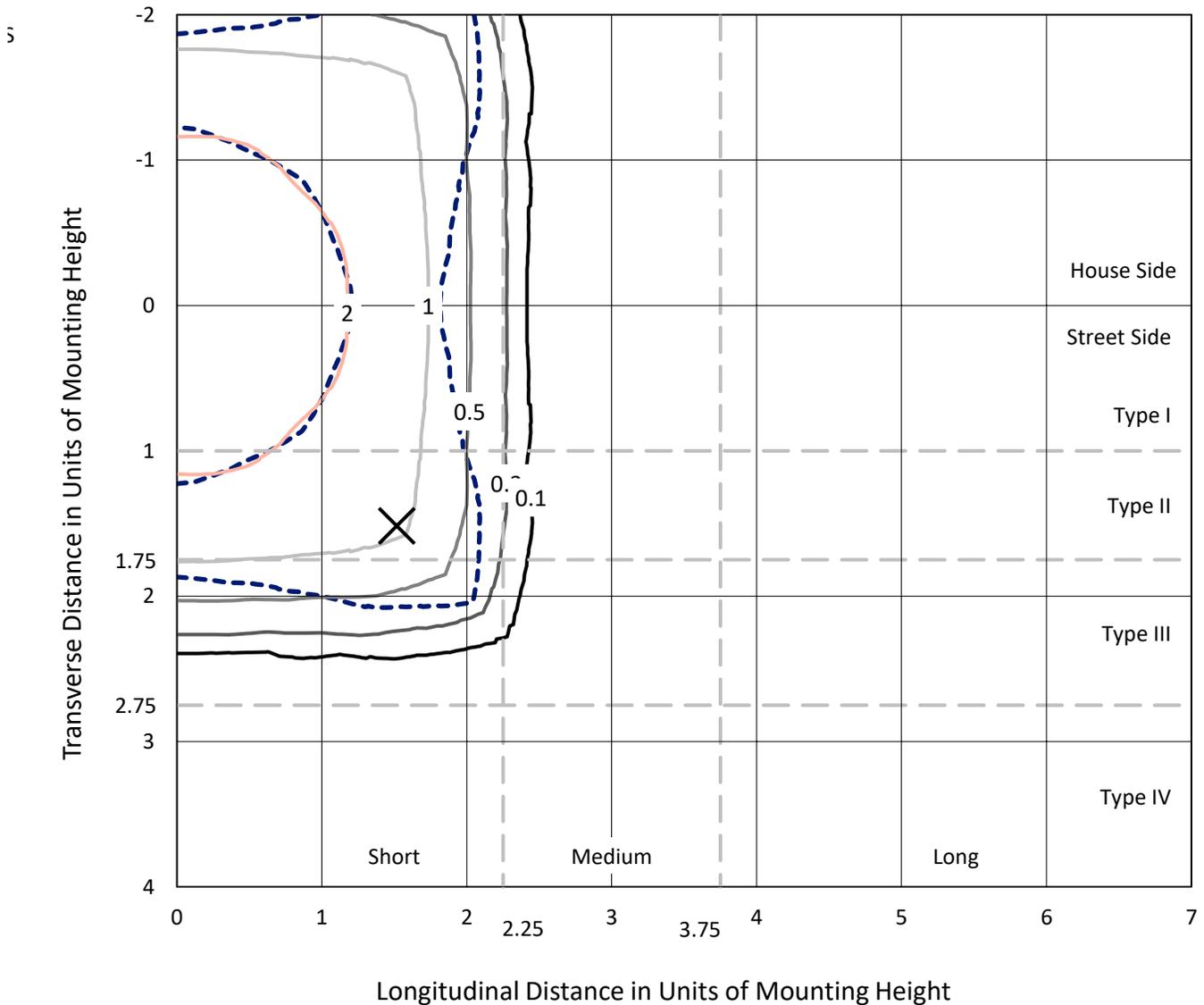
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

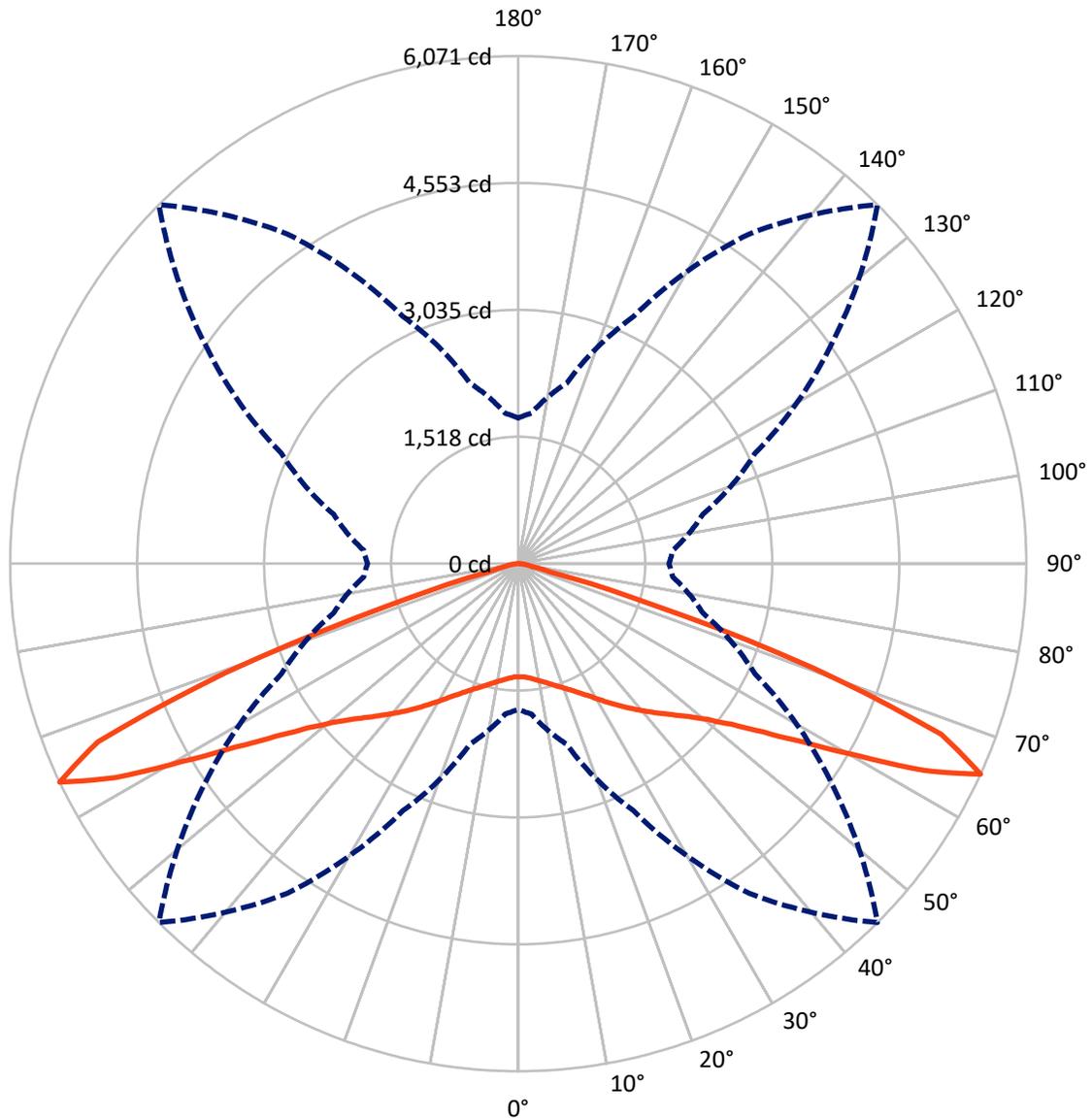
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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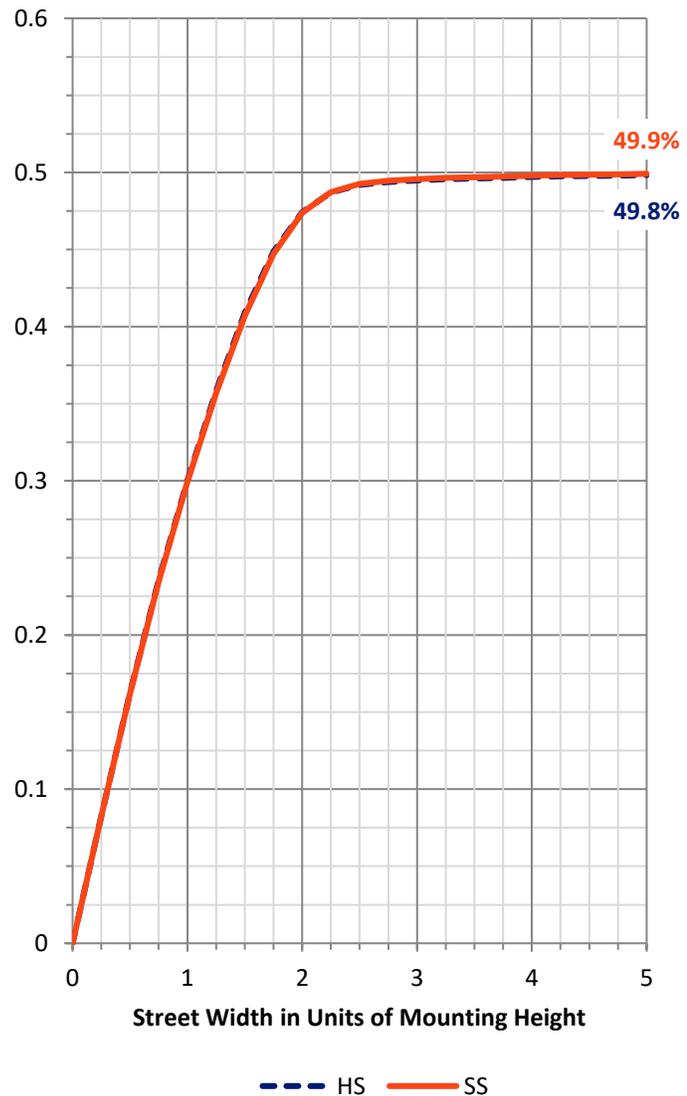
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5601.5	0.0	5601.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5601.5	0.0	5601.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11203.0	0.0	11203.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.7	1.2
10°-20°	426.7	3.8
20°-30°	800.5	7.1
30°-40°	1323.8	11.8
40°-50°	2050.5	18.3
50°-60°	3144.8	28.1
60°-70°	2934.5	26.2
70°-80°	341.5	3.0
80°-90°	48.0	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°	11203.0	100.0
0°-180°	11203.0	100.0

**Coefficient of Utilization**



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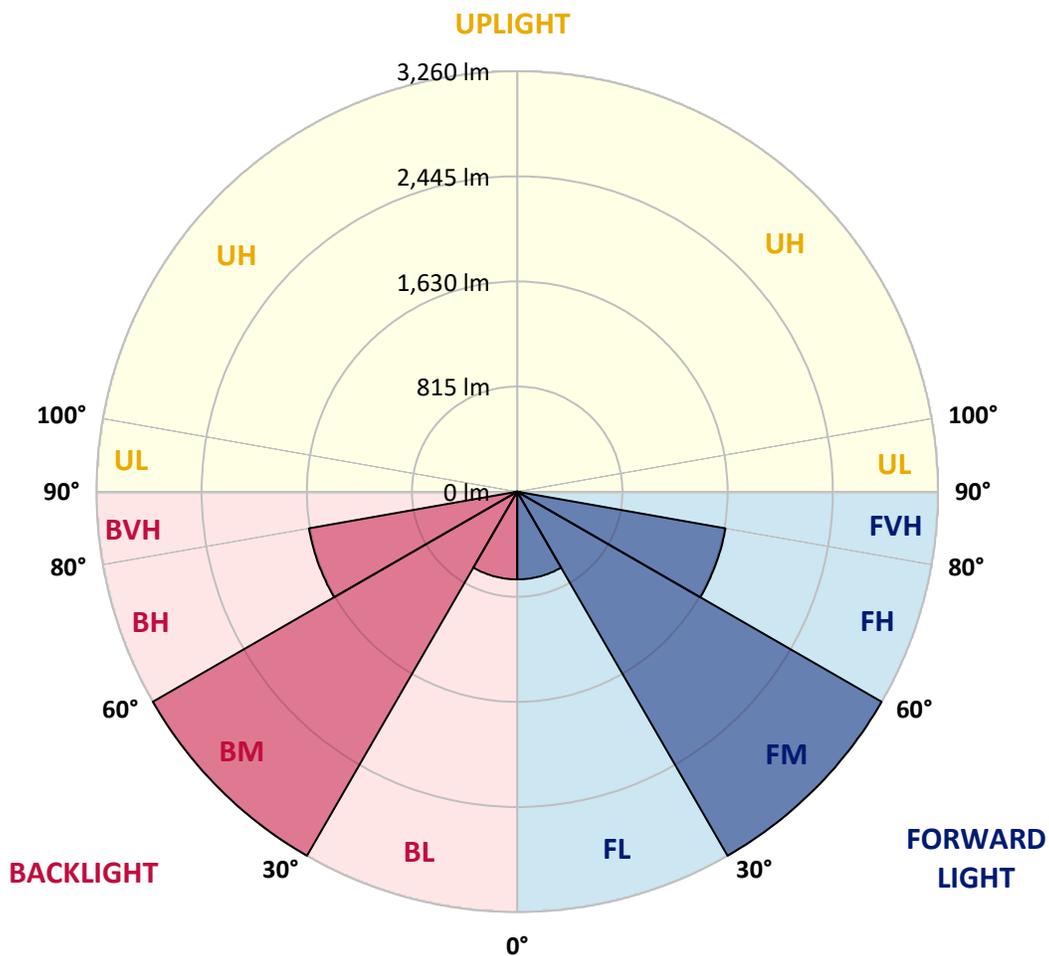
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	679.9	6.1			
FM	(30°-60°)	3259.6	29.1			
FH	(60°-80°)	1638.0	14.6			G1/1800
FVH	(80°-90°)	24.0	0.2			G1/100
BL	(0°-30°)	679.9	6.1	B2/1000		
BM	(30°-60°)	3259.6	29.1	B3/5000		
BH	(60°-80°)	1638.0	14.6	B3/2500		G1/1800
BVH	(80°-90°)	24.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9
2.5°	1357.4	1356.6	1357.4	1357.7	1355.5	1356.6	1356.3	1358.1	1358.9	1358.1	1358.1
5°	1373.0	1371.9	1373.4	1375.2	1372.2	1373.0	1371.9	1374.1	1374.8	1373.4	1374.5
7.5°	1394.6	1394.9	1396.4	1399.8	1397.9	1399.4	1397.2	1397.5	1397.2	1394.9	1395.3
10°	1418.0	1418.4	1421.0	1425.4	1426.2	1426.2	1424.7	1423.6	1422.1	1420.6	1421.0
12.5°	1446.2	1448.1	1450.0	1455.5	1455.5	1458.5	1457.8	1454.8	1452.2	1450.0	1450.0
15°	1484.6	1484.2	1486.4	1492.0	1494.6	1499.4	1499.4	1495.3	1492.0	1489.8	1489.0
17.5°	1524.7	1525.8	1527.3	1534.0	1538.1	1543.7	1544.4	1541.1	1538.8	1535.9	1534.0
20°	1571.6	1573.4	1579.4	1582.0	1585.7	1590.9	1592.8	1592.0	1589.8	1588.3	1588.7
22.5°	1626.2	1631.1	1634.8	1638.5	1643.0	1646.7	1648.5	1651.2	1648.9	1647.8	1647.1
25°	1692.4	1695.8	1703.2	1709.9	1712.9	1714.0	1716.2	1720.0	1719.6	1717.0	1717.0
27.5°	1767.6	1773.9	1783.2	1792.8	1792.8	1789.1	1796.6	1802.9	1800.6	1797.3	1792.8
30°	1858.7	1864.6	1875.4	1888.8	1882.1	1879.5	1889.5	1901.1	1897.7	1892.1	1891.4
32.5°	1956.8	1962.4	1976.5	1991.1	1982.5	1978.8	1989.6	2006.3	2000.3	1989.2	1982.5
35°	2063.2	2068.8	2088.9	2106.3	2091.8	2085.5	2094.4	2112.7	2102.2	2081.4	2076.2
37.5°	2178.9	2181.8	2207.9	2225.7	2215.7	2198.9	2210.1	2223.5	2214.6	2189.3	2179.2
40°	2299.0	2309.8	2339.9	2360.7	2343.2	2316.8	2335.4	2354.0	2340.6	2308.3	2291.2
42.5°	2439.2	2447.4	2487.5	2506.1	2477.8	2440.7	2465.9	2491.2	2477.8	2446.6	2431.7
45°	2584.9	2597.6	2645.6	2664.2	2623.3	2576.0	2606.9	2651.1	2650.0	2605.0	2589.4
47.5°	2743.7	2756.4	2813.7	2838.2	2793.9	2730.7	2774.2	2836.7	2832.2	2782.8	2770.1
50°	2927.1	2940.5	3011.9	3042.7	3001.5	2927.8	2993.3	3048.3	3040.1	2979.1	2980.3
52.5°	3157.3	3156.5	3245.4	3299.0	3256.6	3191.5	3251.7	3305.3	3271.4	3187.0	3184.4
55°	3358.8	3371.1	3481.2	3582.7	3580.1	3555.2	3579.4	3581.6	3484.9	3372.6	3358.8
57.5°	3491.2	3514.7	3669.7	3853.4	3991.0	4024.1	3977.3	3835.2	3608.7	3429.1	3407.2
60°	3409.8	3445.5	3689.1	4063.5	4468.9	4663.4	4399.0	3958.3	3512.4	3262.1	3232.4
62.5°	2860.1	2920.4	3277.0	3962.0	4880.2	5448.8	4704.7	3760.8	3129.4	2784.6	2733.7
65°	1741.9	1805.5	2235.4	3261.0	4813.6	6070.6	4565.2	3121.6	2284.1	1855.3	1800.3
67.5°	580.5	599.1	852.4	1802.5	3783.1	5454.4	3789.5	1868.7	994.0	659.0	639.6
70°	227.2	229.1	270.4	522.5	1786.5	3746.3	1971.3	531.8	282.6	223.5	228.3
72.5°	167.0	167.7	179.2	218.3	465.6	1650.4	482.3	219.4	174.4	156.6	156.6
75°	134.2	134.2	142.4	159.2	208.6	378.6	211.6	157.3	136.5	125.0	123.5
77.5°	106.0	108.2	114.5	125.3	141.3	182.2	146.5	124.6	110.1	99.3	97.1
80°	78.8	81.1	91.5	96.7	101.5	126.4	108.2	97.4	87.0	74.4	72.1
82.5°	51.7	53.9	66.9	69.9	68.8	82.6	72.9	71.8	64.0	48.0	45.7
85°	33.8	34.6	44.6	46.5	42.8	37.6	46.5	49.1	44.6	31.2	30.1
87.5°	16.0	16.0	22.7	21.2	19.3	15.6	21.2	24.9	25.3	15.2	14.9
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)