

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: P1209226

Luminaire Tested: UPW-SA2-110-727-U-5NQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-727-U-5NQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12734 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

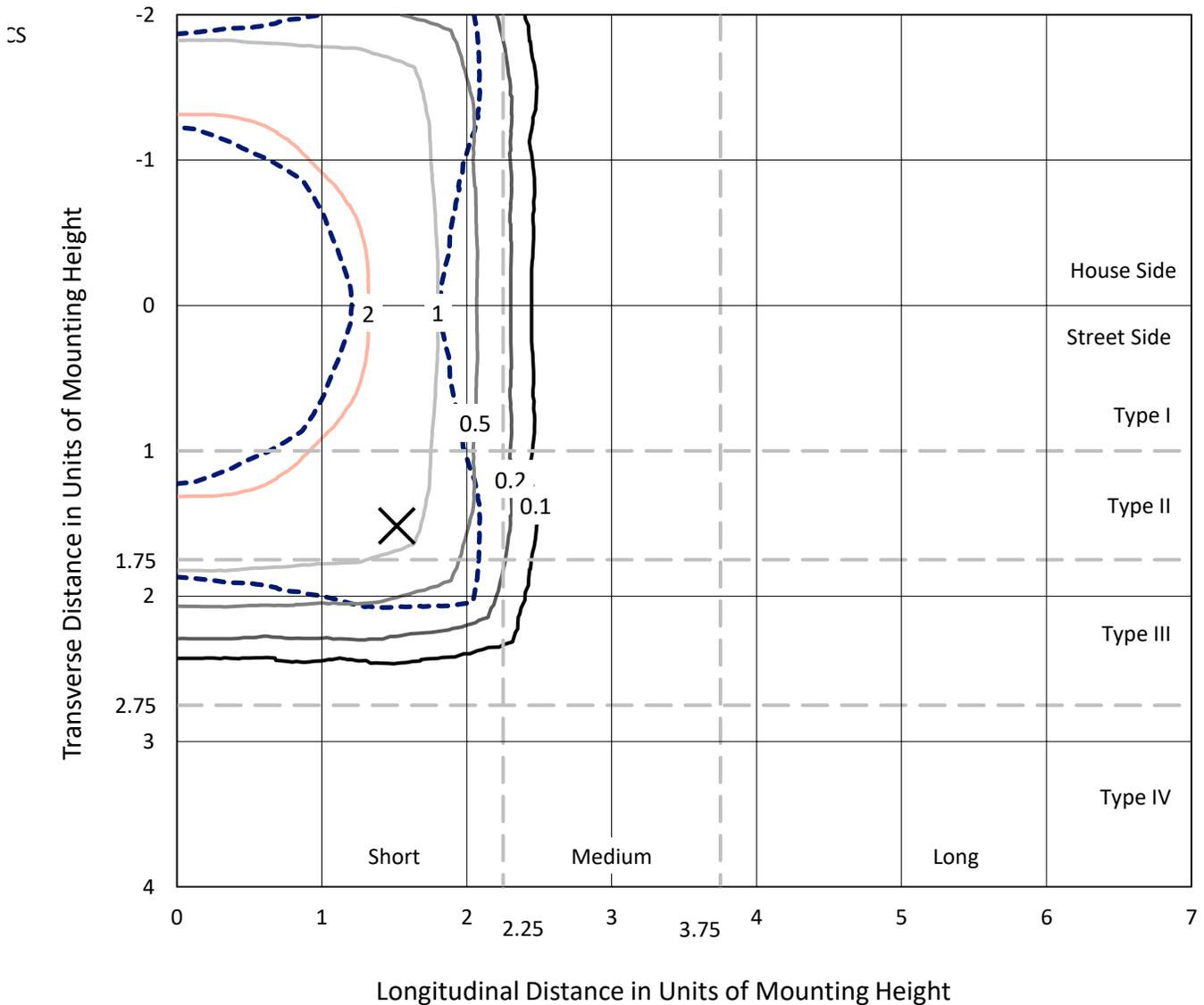
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

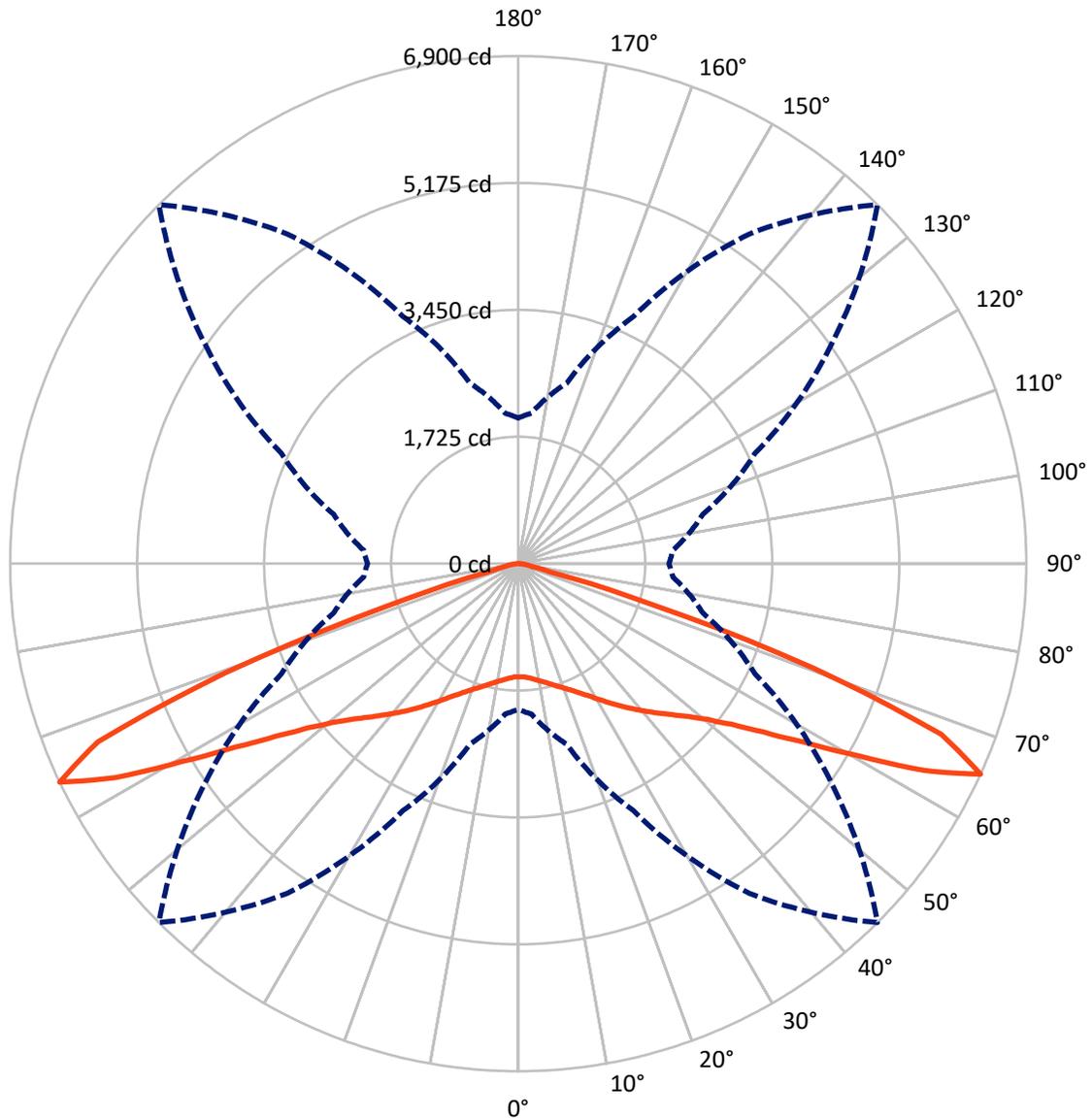
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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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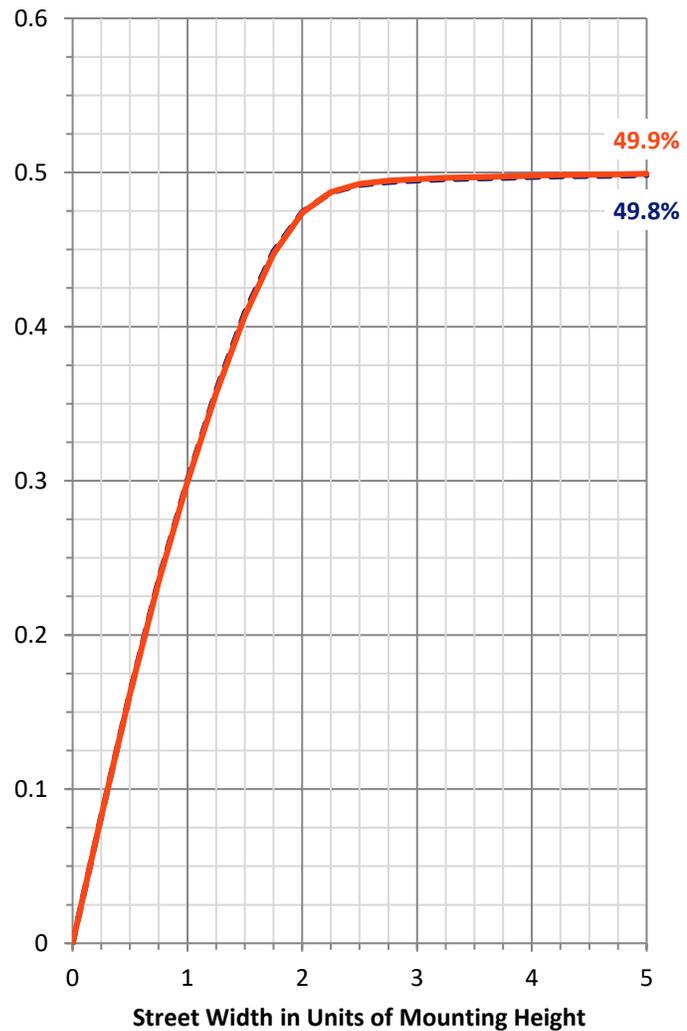
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6367.0	0.0	6367.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6367.0	0.0	6367.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12734.0	0.0	12734.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	1.2
10°-20°	485.0	3.8
20°-30°	909.9	7.1
30°-40°	1504.8	11.8
40°-50°	2330.7	18.3
50°-60°	3574.6	28.1
60°-70°	3335.5	26.2
70°-80°	388.2	3.0
80°-90°	54.5	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°	12734.0	100.0
0°-180°	12734.0	100.0



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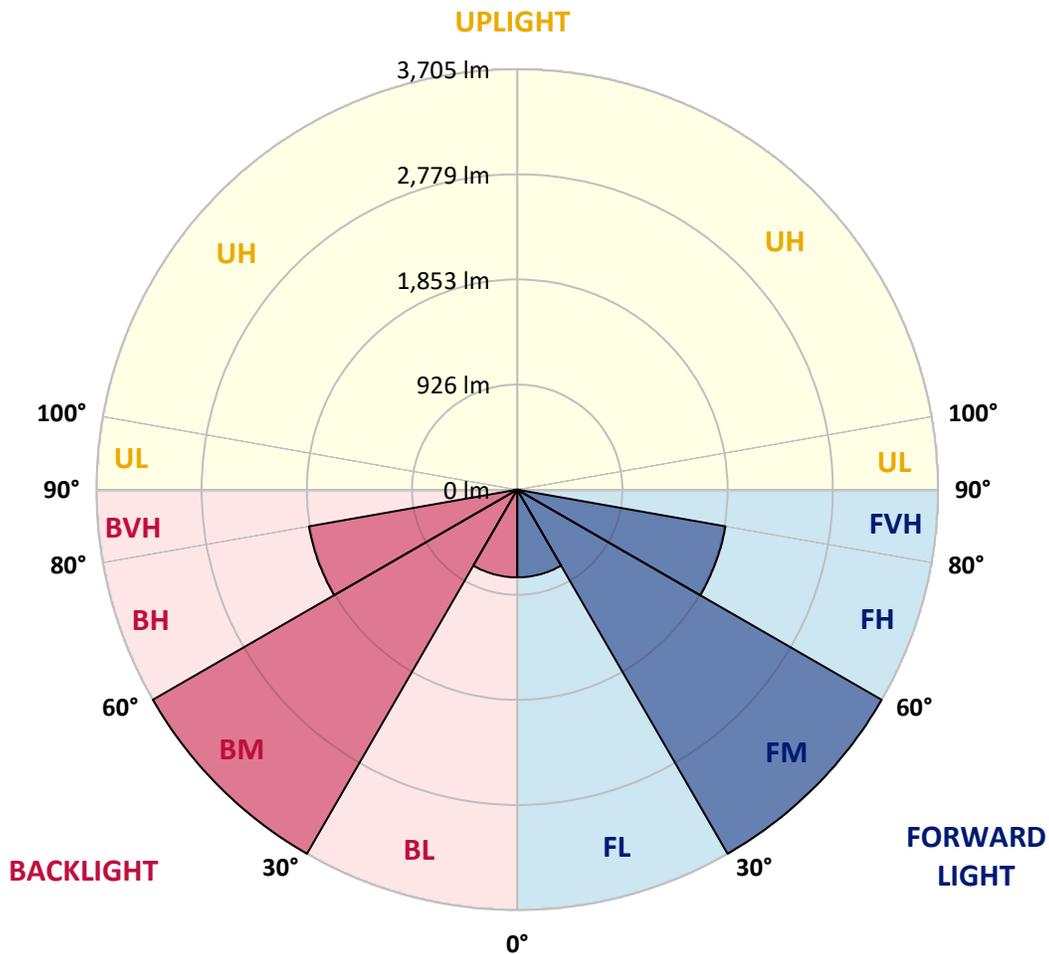
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	772.9	6.1			
FM	(30°-60°)	3705.0	29.1			
FH	(60°-80°)	1861.8	14.6			G2/5000
FVH	(80°-90°)	27.3	0.2			G1/100
BL	(0°-30°)	772.9	6.1	B2/1000		
BM	(30°-60°)	3705.0	29.1	B3/5000		
BH	(60°-80°)	1861.8	14.6	B3/2500		G2/5000
BVH	(80°-90°)	27.3	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1537.8	1537.8	1537.8	1537.8	1537.8	1537.8	1537.8	1537.8	1537.8	1537.8	1537.8
2.5°	1542.9	1542.0	1542.9	1543.3	1540.8	1542.0	1541.6	1543.7	1544.6	1543.7	1543.7
5°	1560.6	1559.3	1561.0	1563.2	1559.8	1560.6	1559.3	1561.9	1562.7	1561.0	1562.3
7.5°	1585.1	1585.6	1587.2	1591.1	1588.9	1590.6	1588.1	1588.5	1588.1	1585.6	1586.0
10°	1611.8	1612.2	1615.1	1620.2	1621.1	1621.1	1619.4	1618.1	1616.4	1614.7	1615.1
12.5°	1643.9	1646.0	1648.1	1654.5	1654.5	1657.8	1657.0	1653.6	1650.7	1648.1	1648.1
15°	1687.4	1687.0	1689.5	1695.9	1698.8	1704.3	1704.3	1699.7	1695.9	1693.3	1692.5
17.5°	1733.1	1734.3	1736.0	1743.6	1748.3	1754.6	1755.5	1751.7	1749.1	1745.8	1743.6
20°	1786.3	1788.5	1795.2	1798.2	1802.4	1808.3	1810.4	1809.6	1807.1	1805.4	1805.8
22.5°	1848.5	1854.0	1858.2	1862.4	1867.5	1871.7	1873.8	1876.8	1874.3	1873.0	1872.1
25°	1923.7	1927.5	1936.0	1943.6	1947.0	1948.2	1950.8	1955.0	1954.6	1951.6	1951.6
27.5°	2009.1	2016.3	2026.9	2037.8	2037.8	2033.6	2042.1	2049.3	2046.7	2042.9	2037.8
30°	2112.7	2119.4	2131.7	2146.9	2139.3	2136.3	2147.8	2160.9	2157.1	2150.7	2149.9
32.5°	2224.3	2230.6	2246.7	2263.1	2253.4	2249.2	2261.5	2280.5	2273.7	2261.0	2253.4
35°	2345.2	2351.5	2374.3	2394.2	2377.7	2370.5	2380.7	2401.4	2389.5	2365.9	2359.9
37.5°	2476.6	2480.0	2509.6	2529.9	2518.5	2499.4	2512.1	2527.3	2517.2	2488.4	2477.0
40°	2613.1	2625.4	2659.6	2683.3	2663.4	2633.4	2654.6	2675.7	2660.5	2623.7	2604.3
42.5°	2772.5	2781.8	2827.5	2848.6	2816.5	2774.2	2802.9	2831.7	2816.5	2781.0	2764.1
45°	2938.2	2952.6	3007.1	3028.2	2981.7	2928.1	2963.1	3013.4	3012.2	2961.0	2943.3
47.5°	3118.7	3133.1	3198.2	3226.1	3175.8	3103.9	3153.4	3224.4	3219.3	3163.1	3148.7
50°	3327.1	3342.3	3423.5	3458.6	3411.6	3327.9	3402.3	3464.9	3455.6	3386.3	3387.5
52.5°	3588.7	3587.9	3688.9	3749.8	3701.6	3627.6	3696.1	3757.0	3718.5	3622.6	3619.6
55°	3817.8	3831.8	3956.9	4072.3	4069.4	4041.0	4068.5	4071.0	3961.1	3833.5	3817.8
57.5°	3968.3	3995.0	4171.2	4380.0	4536.4	4574.1	4520.8	4359.3	4101.9	3897.7	3872.8
60°	3875.8	3916.3	4193.2	4618.9	5079.6	5300.7	5000.1	4499.2	3992.4	3707.9	3674.1
62.5°	3251.0	3319.5	3724.9	4503.5	5547.1	6193.4	5347.6	4274.8	3557.0	3165.2	3107.3
65°	1979.9	2052.2	2540.9	3706.7	5471.5	6900.2	5189.1	3548.2	2596.2	2108.9	2046.3
67.5°	659.8	681.0	968.8	2048.8	4300.2	6199.8	4307.3	2124.1	1129.9	749.0	727.0
70°	258.3	260.4	307.3	593.9	2030.7	4258.3	2240.7	604.5	321.3	254.0	259.5
72.5°	189.8	190.6	203.7	248.1	529.2	1876.0	548.2	249.4	198.2	178.0	178.0
75°	152.6	152.6	161.9	180.9	237.1	430.3	240.5	178.8	155.1	142.0	140.3
77.5°	120.5	123.0	130.2	142.5	160.6	207.1	166.5	141.6	125.1	112.9	110.3
80°	89.6	92.1	104.0	109.9	115.4	143.7	123.0	110.7	98.9	84.5	82.0
82.5°	58.8	61.3	76.1	79.5	78.2	93.8	82.8	81.6	72.7	54.5	52.0
85°	38.5	39.3	50.7	52.8	48.6	42.7	52.8	55.8	50.7	35.5	34.2
87.5°	18.2	18.2	25.8	24.1	22.0	17.8	24.1	28.3	28.7	17.3	16.9
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)