

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: P1209401

Luminaire Tested: UPW-SA2-110-827-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-827-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10901 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

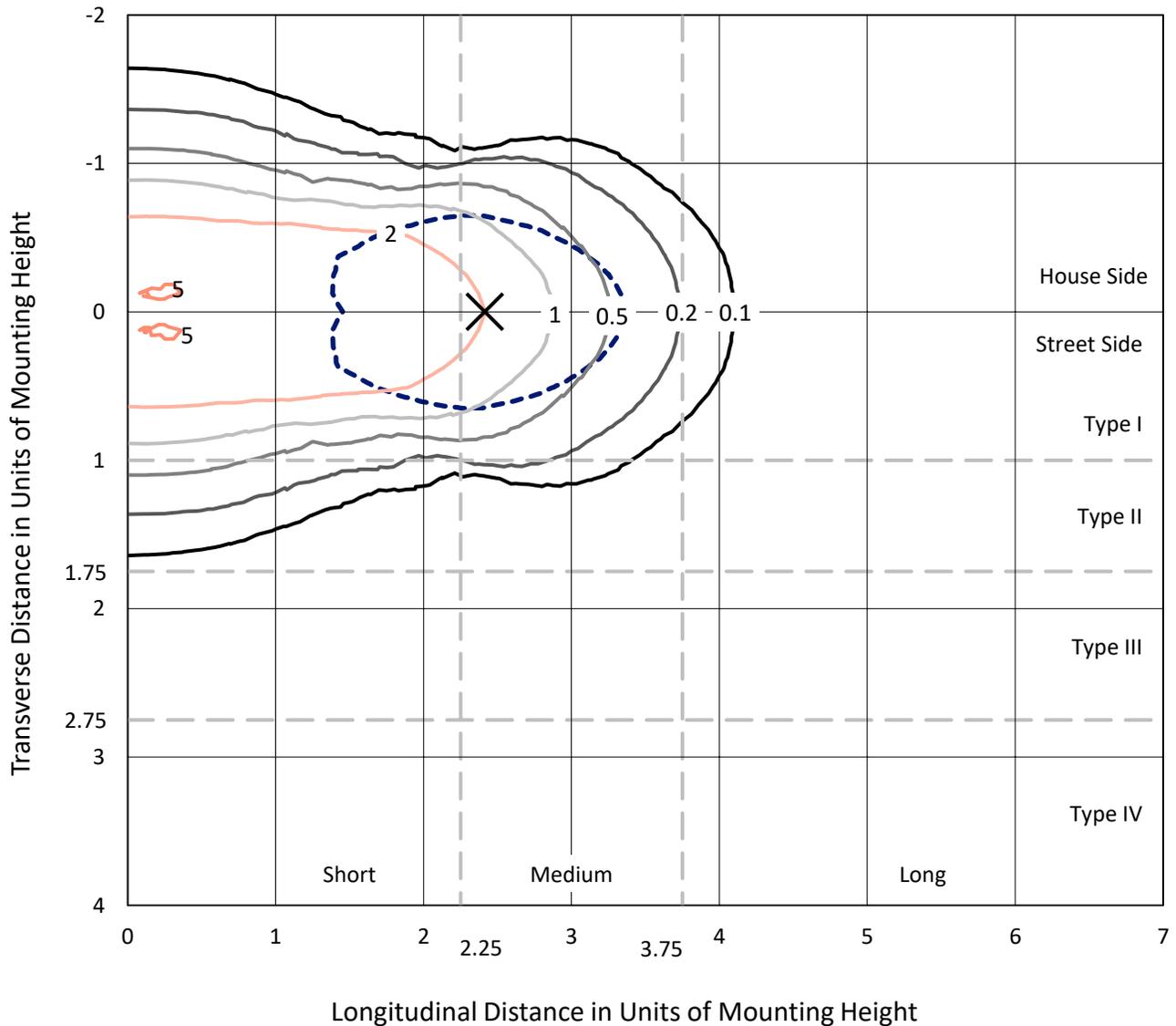
Input Watts (W): 111
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

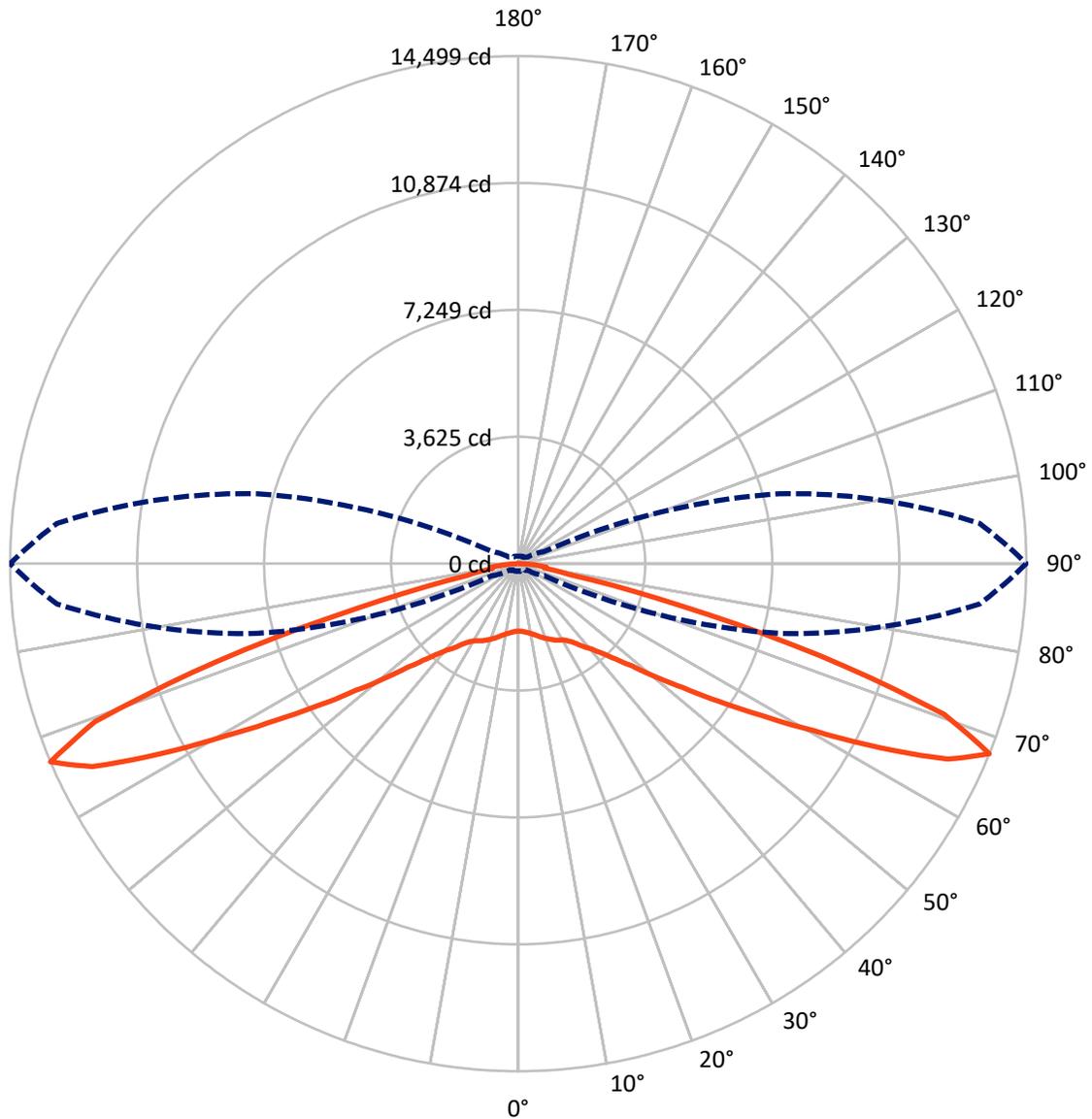
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5450.5	0.0	5450.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5450.5	0.0	5450.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10901.0	0.0	10901.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	1.8
10°-20°	615.6	5.6
20°-30°	1030.3	9.5
30°-40°	1395.8	12.8
40°-50°	1768.0	16.2
50°-60°	2208.7	20.3
60°-70°	2596.3	23.8
70°-80°	993.2	9.1
80°-90°	100.6	0.9
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°	10901.0	100.0
0°-180°	10901.0	100.0



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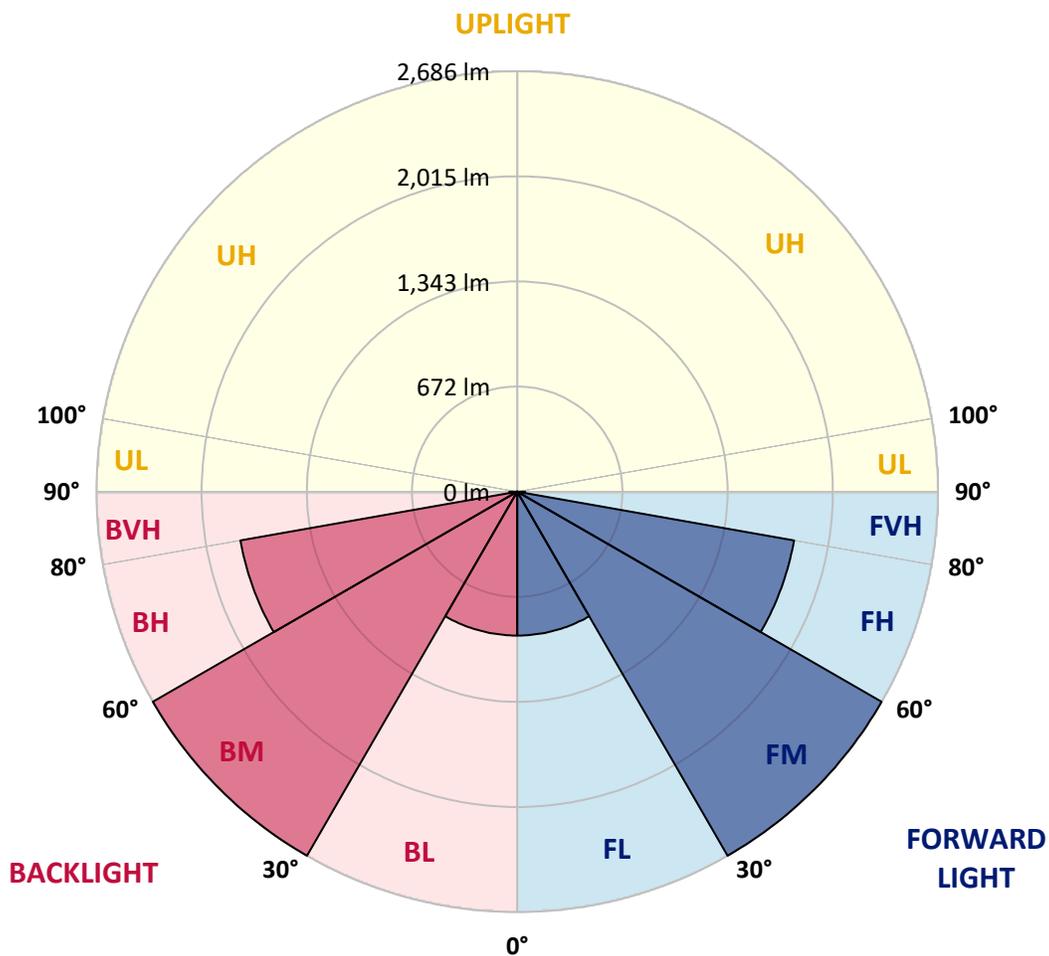
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	919.2	8.4			
FM	(30°-60°)	2686.3	24.6			
FH	(60°-80°)	1794.7	16.5			G1/1800
FVH	(80°-90°)	50.3	0.5			G1/100
BL	(0°-30°)	919.2	8.4	B2/1000		
BM	(30°-60°)	2686.3	24.6	B3/5000		
BH	(60°-80°)	1794.7	16.5	B3/2500		G3/2500
BVH	(80°-90°)	50.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1929.8	1929.8	1929.8	1929.8	1929.8	1929.8	1929.8	1929.8	1929.8	1929.8	1929.8
2.5°	1954.6	1953.4	1954.0	1953.4	1955.2	1954.0	1946.7	1940.7	1935.9	1936.5	1934.6
5°	1996.2	1996.8	1997.4	1994.4	1998.6	1996.2	1984.7	1975.1	1965.4	1961.8	1960.6
7.5°	2030.6	2033.6	2035.5	2038.5	2045.7	2045.7	2039.7	2025.8	2004.7	1992.6	1992.0
10°	2065.0	2067.4	2072.9	2082.5	2094.6	2106.1	2103.7	2085.0	2057.8	2037.3	2032.4
12.5°	2077.1	2080.1	2098.2	2126.0	2153.2	2175.5	2175.5	2160.4	2125.4	2094.0	2085.0
15°	2034.8	2040.3	2072.9	2132.0	2203.3	2252.2	2263.0	2241.9	2204.5	2156.2	2145.3
17.5°	1950.9	1964.2	2011.9	2099.4	2217.7	2319.2	2350.5	2340.3	2292.0	2230.4	2217.7
20°	1861.0	1875.5	1926.2	2042.1	2205.7	2358.4	2449.5	2452.0	2392.2	2302.9	2284.1
22.5°	1762.0	1772.9	1838.1	1973.9	2169.5	2367.5	2534.7	2576.3	2495.4	2375.3	2348.7
25°	1650.9	1663.0	1731.2	1877.9	2101.2	2357.2	2612.5	2704.3	2603.5	2452.6	2418.8
27.5°	1544.7	1549.5	1622.6	1771.7	2011.3	2330.6	2669.9	2822.0	2723.0	2516.5	2473.7
30°	1442.7	1454.2	1518.7	1666.0	1908.1	2278.7	2719.4	2956.0	2851.6	2583.6	2528.6
32.5°	1334.6	1348.5	1418.5	1567.6	1804.9	2200.8	2749.6	3102.7	3030.8	2692.2	2633.7
35°	1230.8	1239.9	1310.5	1455.4	1704.1	2110.3	2755.0	3268.1	3262.0	2857.0	2779.1
37.5°	1124.6	1137.8	1209.1	1347.9	1597.2	2014.3	2727.8	3443.7	3540.9	3085.8	3001.9
40°	1022.6	1034.0	1104.0	1244.1	1475.9	1897.2	2663.2	3604.3	3866.3	3321.2	3202.3
42.5°	911.5	914.5	991.2	1133.6	1357.0	1761.4	2570.3	3747.4	4229.1	3636.9	3489.0
45°	785.3	793.2	864.4	1004.4	1220.5	1609.3	2444.1	3865.7	4689.0	4074.5	3872.9
47.5°	659.2	665.8	731.0	869.2	1071.4	1434.8	2249.7	3969.5	5161.1	4630.5	4366.1
50°	536.0	539.6	592.8	715.3	903.6	1251.3	2008.9	4002.7	5694.7	5417.6	5080.2
52.5°	423.8	429.2	469.6	565.6	724.4	1034.6	1748.7	3920.6	6317.6	6350.8	5875.2
55°	343.5	345.3	375.5	446.1	566.2	807.7	1434.8	3691.8	6987.7	7546.6	6940.0
57.5°	295.8	297.0	313.9	353.1	435.8	609.1	1113.1	3259.0	7589.5	8947.7	8167.8
60°	268.6	269.2	278.9	301.8	345.3	467.2	797.4	2648.1	8183.5	10506.8	9693.8
62.5°	251.7	251.7	258.4	271.0	292.2	358.6	577.7	1910.5	8590.3	12089.0	11574.7
65°	235.4	235.4	240.2	249.3	260.8	293.4	426.8	1245.9	8580.0	13241.3	13466.5
67.5°	216.7	216.7	220.3	229.4	236.0	252.3	329.6	816.1	7707.2	13216.0	14498.7
70°	194.4	194.4	199.2	207.0	212.5	222.7	260.2	558.4	5662.1	11284.3	12894.2
72.5°	172.0	172.6	175.7	183.5	187.7	193.8	216.1	391.2	3473.3	7683.7	9015.9
75°	147.3	148.5	151.5	159.4	163.0	165.4	182.3	278.9	1757.2	4142.7	4716.8
77.5°	118.9	121.3	123.1	131.6	134.0	137.6	150.3	201.6	771.4	1488.6	1501.8
80°	86.9	89.9	95.4	103.2	105.0	107.4	114.7	143.1	349.5	679.7	738.2
82.5°	64.0	68.2	61.6	71.8	71.8	68.8	80.9	96.0	160.6	673.1	805.2
85°	35.0	35.6	32.0	36.8	39.2	38.6	42.9	47.1	77.9	449.1	463.0
87.5°	8.5	9.1	9.7	11.5	13.9	13.9	15.1	13.3	25.4	145.5	83.3
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)