

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: P1209023

Luminaire Tested: UPW-SA2-090-730-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-730-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10909 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

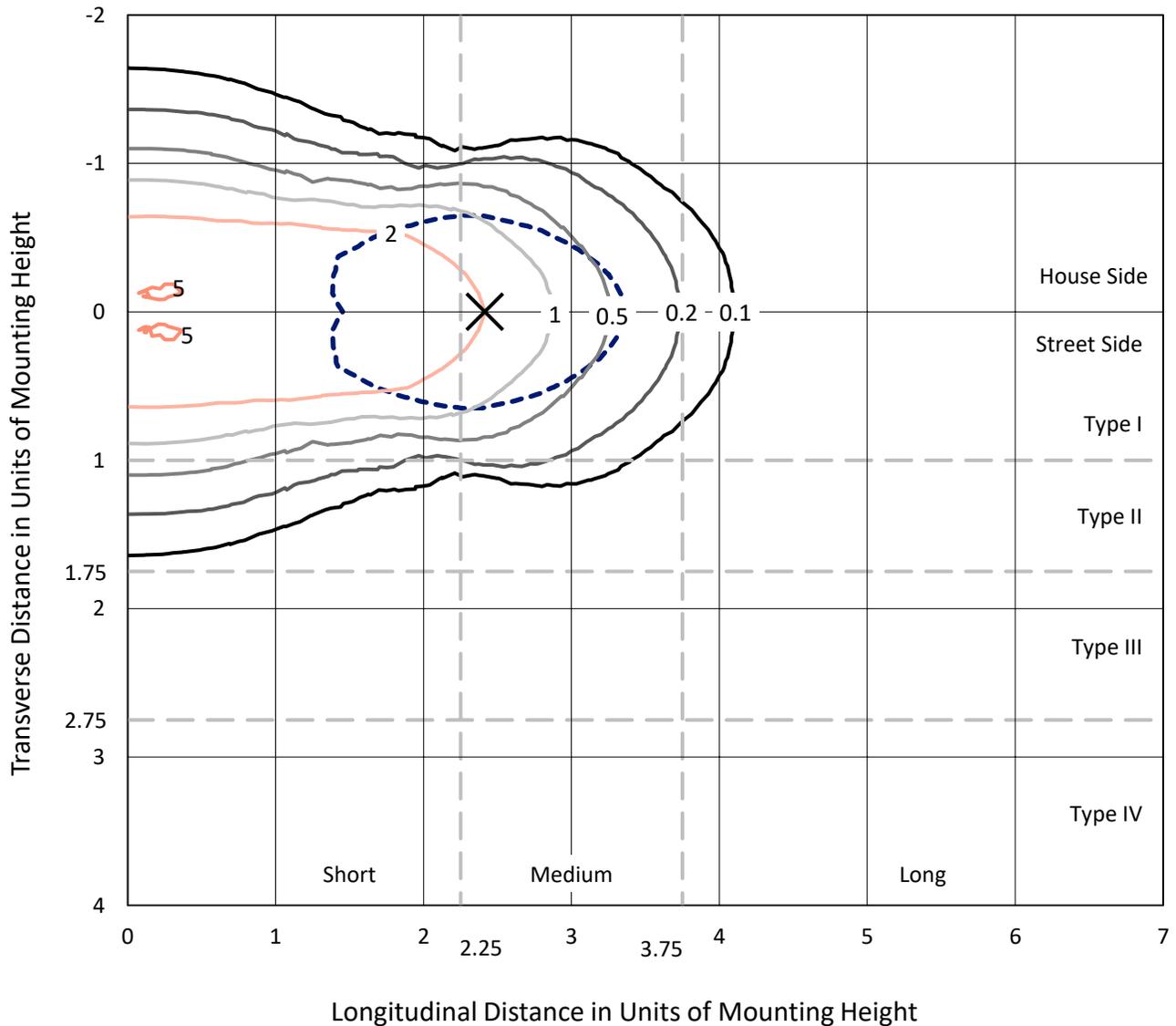
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

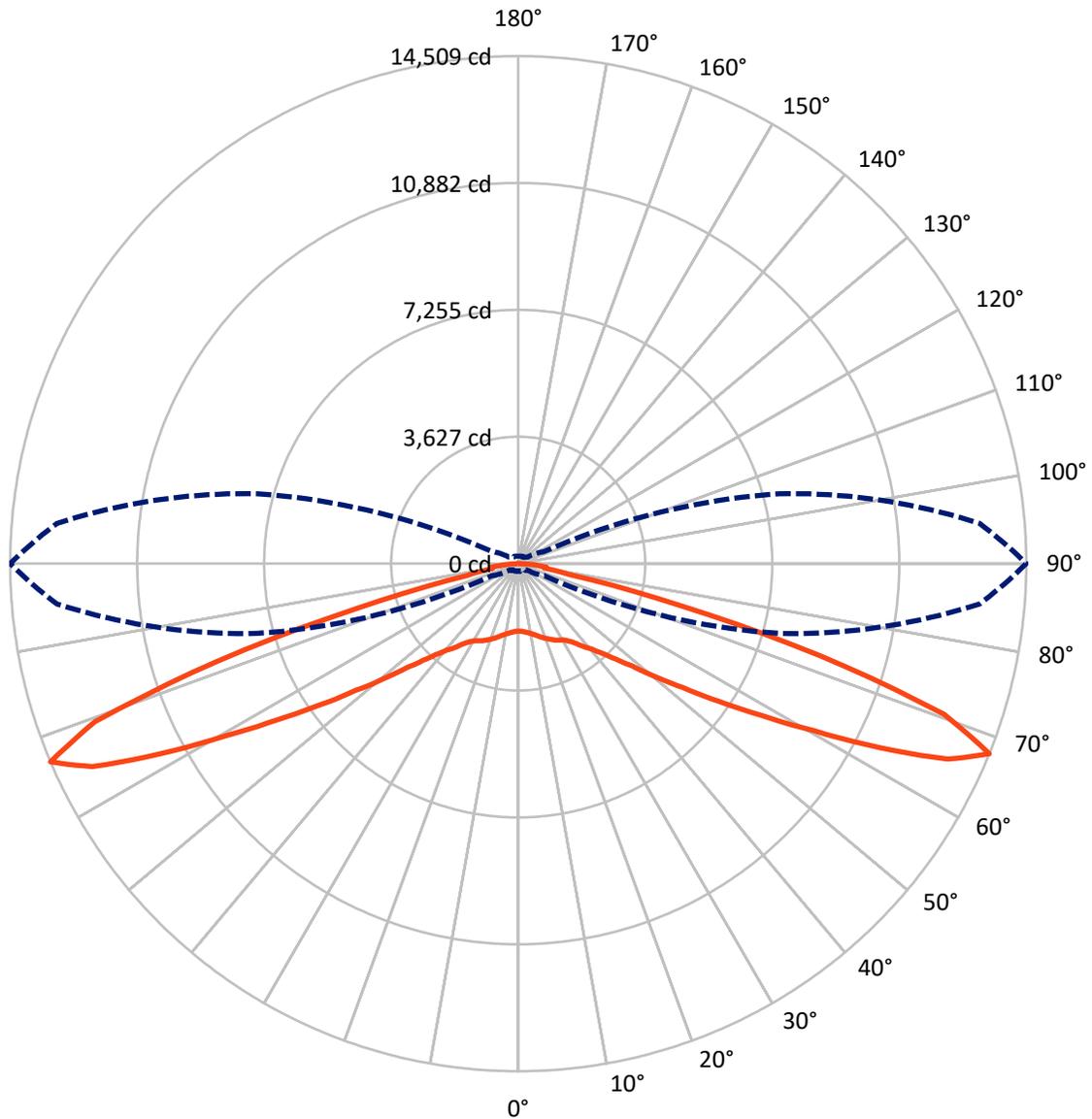


Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Short - N/A

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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	5454.5	0.0	5454.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5454.5	0.0	5454.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10909.0	0.0	10909.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	1.8
10°-20°	616.0	5.6
20°-30°	1031.1	9.5
30°-40°	1396.9	12.8
40°-50°	1769.3	16.2
50°-60°	2210.4	20.3
60°-70°	2598.2	23.8
70°-80°	993.9	9.1
80°-90°	100.7	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°	10909.0	100.0
0°-180°	10909.0	100.0



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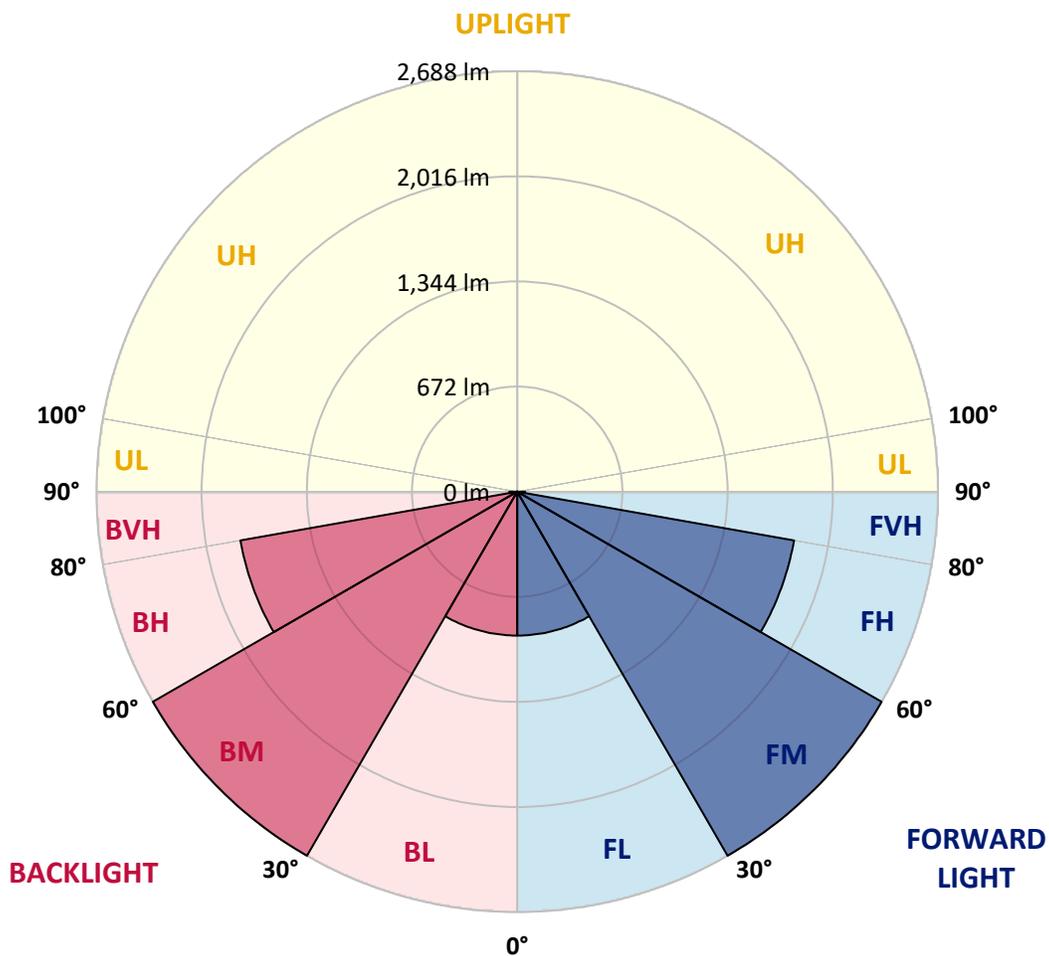
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	919.8	8.4			
FM	(30°-60°)	2688.3	24.6			
FH	(60°-80°)	1796.0	16.5			G1/1800
FVH	(80°-90°)	50.3	0.5			G1/100
BL	(0°-30°)	919.8	8.4	B2/1000		
BM	(30°-60°)	2688.3	24.6	B3/5000		
BH	(60°-80°)	1796.0	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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	1956.0	1954.8	1955.4	1954.8	1956.6	1955.4	1948.1	1942.1	1937.3	1937.9	1936.1
5°	1997.7	1998.3	1998.9	1995.9	2000.1	1997.7	1986.2	1976.5	1966.9	1963.2	1962.0
7.5°	2032.1	2035.1	2036.9	2040.0	2047.2	2047.2	2041.2	2027.3	2006.1	1994.1	1993.5
10°	2066.5	2069.0	2074.4	2084.1	2096.1	2107.6	2105.2	2086.5	2059.3	2038.8	2033.9
12.5°	2078.6	2081.6	2099.8	2127.6	2154.7	2177.1	2177.1	2162.0	2127.0	2095.5	2086.5
15°	2036.3	2041.8	2074.4	2133.6	2204.9	2253.8	2264.7	2243.5	2206.1	2157.8	2146.9
17.5°	1952.4	1965.7	2013.4	2101.0	2219.4	2320.9	2352.3	2342.0	2293.7	2232.1	2219.4
20°	1862.4	1876.9	1927.6	2043.6	2207.3	2360.1	2451.3	2453.8	2394.0	2304.6	2285.8
22.5°	1763.3	1774.2	1839.4	1975.3	2171.1	2369.2	2536.5	2578.2	2497.3	2377.0	2350.5
25°	1652.1	1664.2	1732.5	1879.3	2102.8	2358.9	2614.4	2706.3	2605.4	2454.4	2420.5
27.5°	1545.8	1550.7	1623.8	1773.0	2012.8	2332.3	2671.8	2824.1	2725.0	2518.4	2475.5
30°	1443.7	1455.2	1519.9	1667.3	1909.5	2280.4	2721.4	2958.2	2853.7	2585.4	2530.5
32.5°	1335.6	1349.5	1419.6	1568.8	1806.2	2202.5	2751.6	3105.0	3033.1	2694.2	2635.6
35°	1231.7	1240.8	1311.5	1456.4	1705.3	2111.9	2757.0	3270.5	3264.4	2859.1	2781.2
37.5°	1125.4	1138.7	1210.0	1348.9	1598.4	2015.8	2729.8	3446.3	3543.5	3088.0	3004.1
40°	1023.3	1034.8	1104.9	1245.0	1477.0	1898.6	2665.2	3606.9	3869.1	3323.6	3204.6
42.5°	912.2	915.2	991.9	1134.5	1358.0	1762.7	2572.2	3750.1	4232.2	3639.6	3491.6
45°	785.9	793.8	865.0	1005.2	1221.4	1610.5	2445.9	3868.5	4692.5	4077.5	3875.8
47.5°	659.7	666.3	731.5	869.9	1072.2	1435.9	2251.4	3972.4	5164.9	4633.9	4369.3
50°	536.4	540.0	593.2	715.8	904.3	1252.3	2010.4	4005.6	5698.9	5421.6	5083.9
52.5°	424.1	429.5	470.0	566.0	724.9	1035.4	1750.0	3923.5	6322.3	6355.5	5879.5
55°	343.7	345.5	375.7	446.4	566.6	808.3	1435.9	3694.5	6992.8	7552.2	6945.1
57.5°	296.0	297.2	314.1	353.4	436.1	609.5	1113.9	3261.4	7595.1	8954.2	8173.8
60°	268.8	269.4	279.1	302.0	345.5	467.6	798.0	2650.1	8189.5	10514.6	9700.9
62.5°	251.9	251.9	258.5	271.2	292.4	358.8	578.1	1911.9	8596.6	12097.8	11583.2
65°	235.6	235.6	240.4	249.5	261.0	293.6	427.1	1246.8	8586.3	13251.0	13476.3
67.5°	216.9	216.9	220.5	229.5	236.2	252.5	329.8	816.7	7712.8	13225.7	14509.3
70°	194.5	194.5	199.3	207.2	212.6	222.9	260.4	558.8	5666.2	11292.6	12903.7
72.5°	172.2	172.8	175.8	183.6	187.9	193.9	216.3	391.4	3475.9	7689.3	9022.5
75°	147.4	148.6	151.6	159.5	163.1	165.5	182.4	279.1	1758.5	4145.8	4720.3
77.5°	119.0	121.4	123.2	131.7	134.1	137.7	150.4	201.8	772.0	1489.7	1502.9
80°	87.0	90.0	95.4	103.3	105.1	107.5	114.8	143.2	349.8	680.2	738.8
82.5°	64.0	68.3	61.6	71.9	71.9	68.9	80.9	96.0	160.7	673.5	805.8
85°	35.0	35.6	32.0	36.8	39.3	38.7	42.9	47.1	77.9	449.4	463.3
87.5°	8.5	9.1	9.7	11.5	13.9	13.9	15.1	13.3	25.4	145.6	83.4
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)