

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: P1208996

Luminaire Tested: UPW-SA2-090-727-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-727-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10019 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

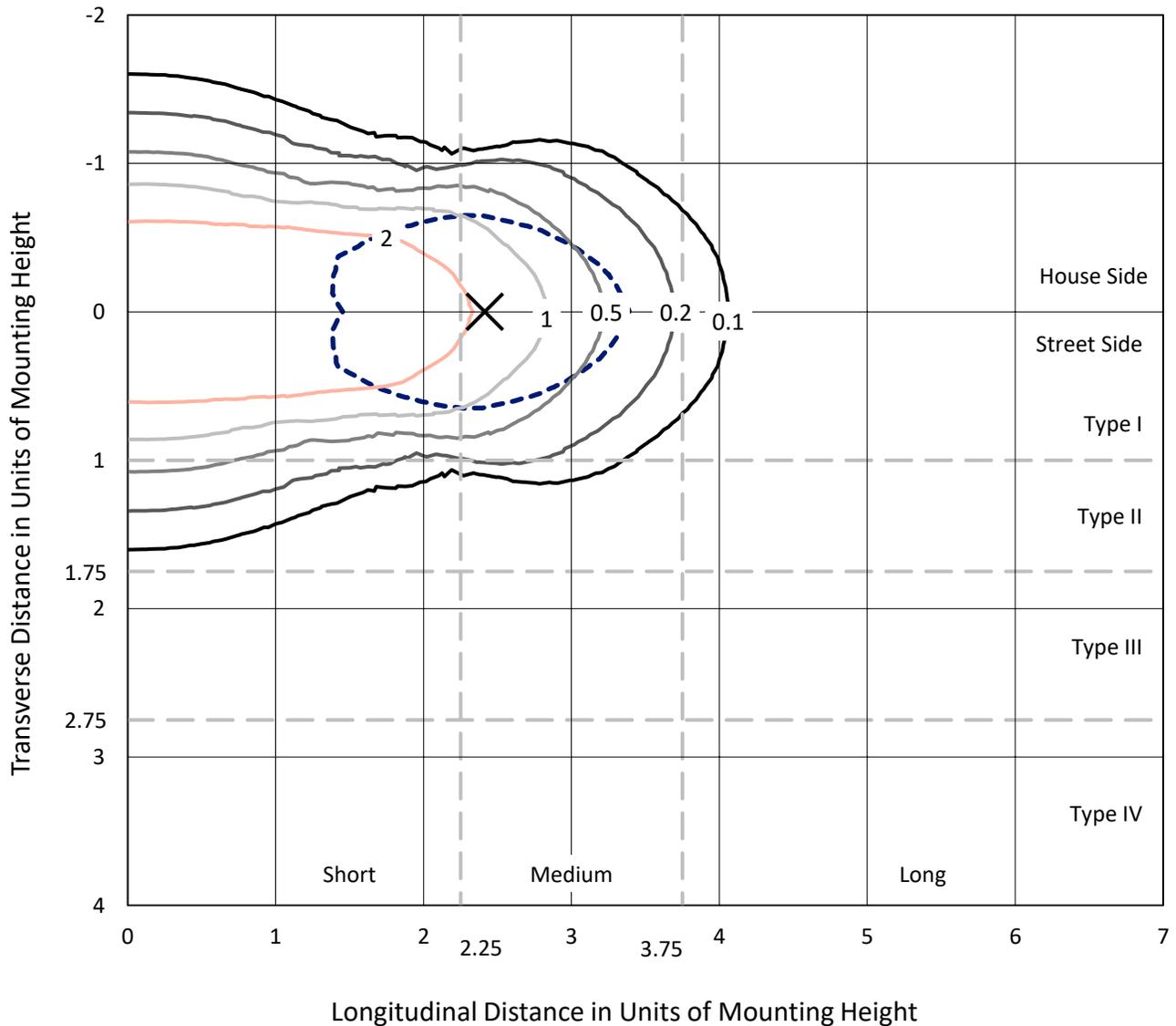
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

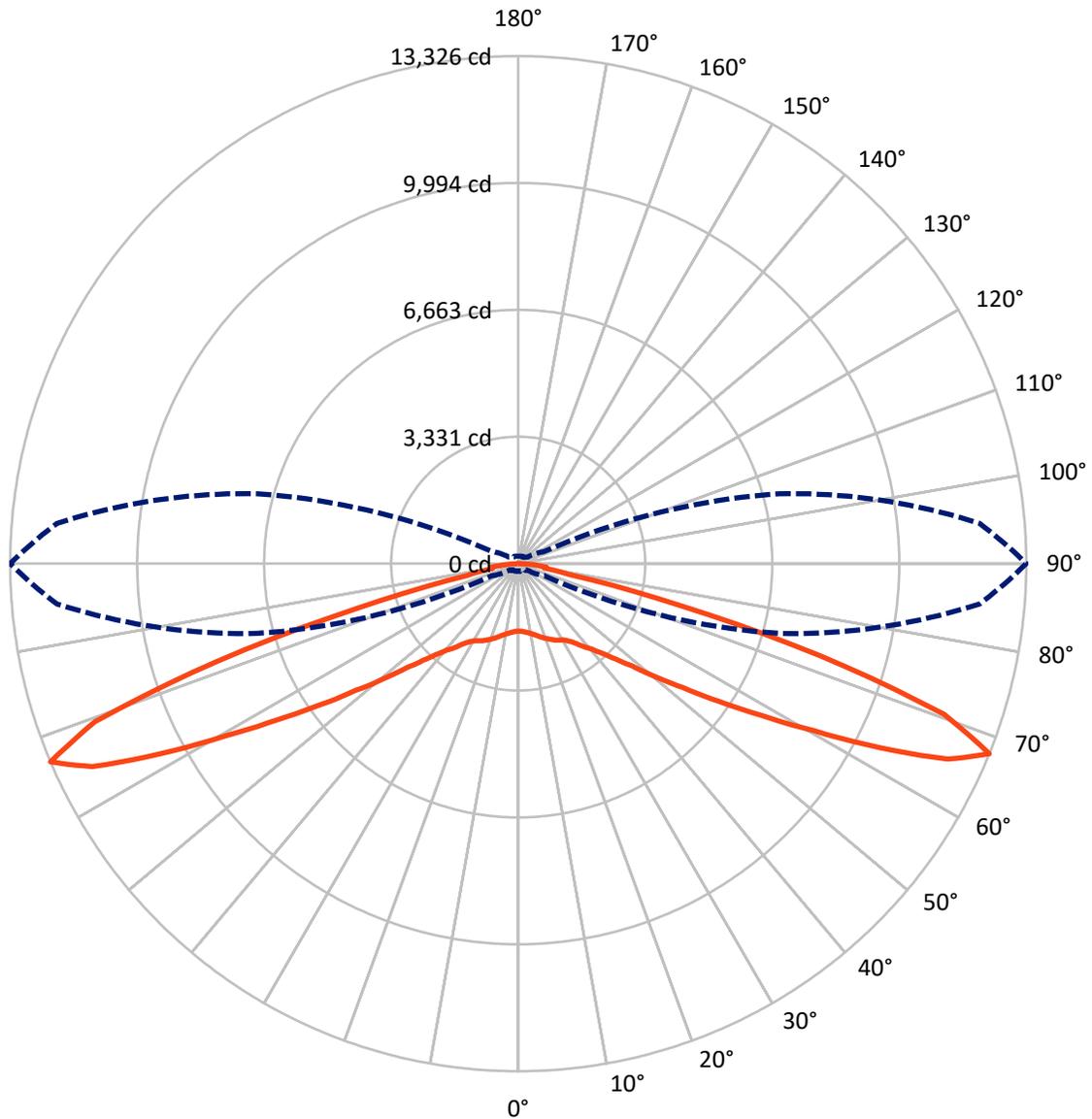


Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Short - N/A

REPORT NUMBER: P1208996

CATALOG NUMBER: UPW-SA2-090-727-U-T1

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	5009.5	0.0	5009.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5009.5	0.0	5009.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10019.0	0.0	10019.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	1.8
10°-20°	565.8	5.6
20°-30°	947.0	9.5
30°-40°	1282.9	12.8
40°-50°	1625.0	16.2
50°-60°	2030.0	20.3
60°-70°	2386.2	23.8
70°-80°	912.8	9.1
80°-90°	92.5	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°	10019.0	100.0
0°-180°	10019.0	100.0



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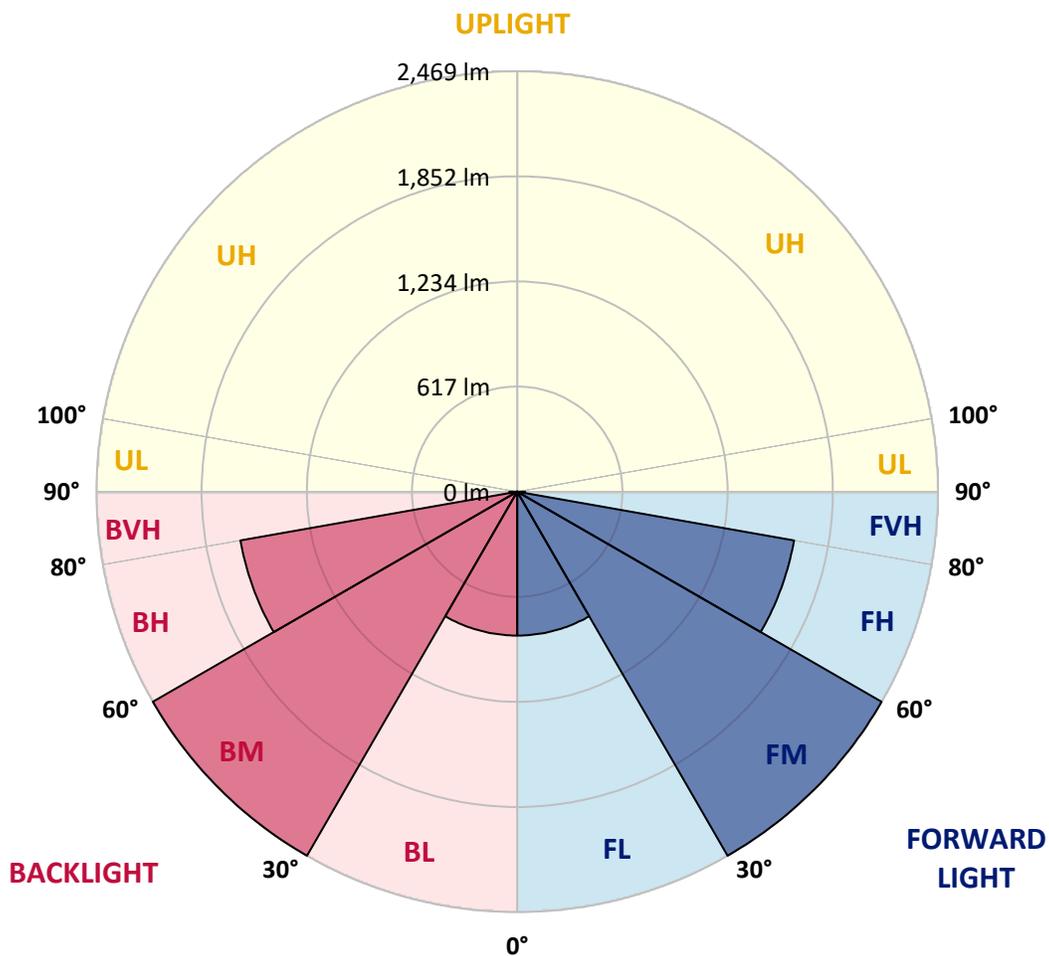
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.8	8.4			
FM (30°-60°)	2469.0	24.6			
FH (60°-80°)	1649.5	16.5			G1/1800
FVH (80°-90°)	46.2	0.5			G1/100
BL (0°-30°)	844.8	8.4	B2/1000		
BM (30°-60°)	2469.0	24.6	B2/2500		
BH (60°-80°)	1649.5	16.5	B3/2500		G3/2500
BVH (80°-90°)	46.2	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°	1773.7	1773.7	1773.7	1773.7	1773.7	1773.7	1773.7	1773.7	1773.7	1773.7	1773.7
2.5°	1796.4	1795.3	1795.9	1795.3	1797.0	1795.9	1789.2	1783.7	1779.2	1779.8	1778.1
5°	1834.7	1835.3	1835.8	1833.0	1836.9	1834.7	1824.2	1815.3	1806.4	1803.1	1802.0
7.5°	1866.3	1869.1	1870.8	1873.5	1880.2	1880.2	1874.6	1861.9	1842.5	1831.4	1830.8
10°	1897.9	1900.2	1905.2	1914.0	1925.1	1935.7	1933.5	1916.3	1891.3	1872.4	1868.0
12.5°	1909.0	1911.8	1928.5	1954.0	1978.9	1999.5	1999.5	1985.6	1953.4	1924.6	1916.3
15°	1870.2	1875.2	1905.2	1959.5	2025.0	2069.9	2079.9	2060.5	2026.1	1981.7	1971.7
17.5°	1793.1	1805.3	1849.1	1929.6	2038.3	2131.5	2160.4	2150.9	2106.6	2050.0	2038.3
20°	1710.4	1723.7	1770.3	1876.9	2027.2	2167.6	2251.4	2253.6	2198.6	2116.5	2099.3
22.5°	1619.4	1629.4	1689.3	1814.2	1993.9	2175.9	2329.6	2367.9	2293.5	2183.1	2158.7
25°	1517.4	1528.5	1591.1	1726.0	1931.2	2166.5	2401.1	2485.5	2392.8	2254.1	2223.1
27.5°	1419.7	1424.2	1491.3	1628.3	1848.6	2142.1	2453.9	2593.7	2502.7	2312.9	2273.5
30°	1326.0	1336.5	1395.9	1531.2	1753.7	2094.3	2499.3	2716.8	2620.8	2374.5	2324.0
32.5°	1226.6	1239.4	1303.8	1440.8	1658.8	2022.8	2527.1	2851.6	2785.6	2474.4	2420.6
35°	1131.2	1139.5	1204.5	1337.6	1566.2	1939.6	2532.1	3003.7	2998.1	2625.8	2554.3
37.5°	1033.6	1045.8	1111.3	1238.9	1468.0	1851.3	2507.1	3165.1	3254.4	2836.1	2759.0
40°	939.8	950.4	1014.7	1143.4	1356.5	1743.7	2447.7	3312.7	3553.5	3052.5	2943.2
42.5°	837.7	840.5	911.0	1041.9	1247.2	1618.9	2362.3	3444.2	3886.9	3342.6	3206.7
45°	721.8	729.0	794.5	923.2	1121.8	1479.1	2246.4	3552.9	4309.6	3744.9	3559.6
47.5°	605.8	611.9	671.9	798.9	984.8	1318.7	2067.7	3648.3	4743.5	4255.8	4012.8
50°	492.7	496.0	544.8	657.4	830.5	1150.1	1846.4	3678.8	5233.9	4979.3	4669.1
52.5°	389.5	394.5	431.6	519.8	665.8	950.9	1607.2	3603.4	5806.5	5837.0	5399.8
55°	315.7	317.3	345.1	410.0	520.4	742.3	1318.7	3393.1	6422.3	6936.0	6378.5
57.5°	271.8	273.0	288.5	324.6	400.6	559.8	1023.0	2995.3	6975.4	8223.7	7506.9
60°	246.9	247.4	256.3	277.4	317.3	429.4	732.9	2433.9	7521.3	9656.7	8909.4
62.5°	231.3	231.3	237.5	249.1	268.5	329.5	530.9	1755.9	7895.3	11110.9	10638.2
65°	216.4	216.4	220.8	229.1	239.7	269.6	392.2	1145.1	7885.8	12170.0	12376.9
67.5°	199.2	199.2	202.5	210.8	216.9	231.9	302.9	750.1	7083.6	12146.6	13325.6
70°	178.6	178.6	183.1	190.3	195.3	204.7	239.1	513.2	5204.0	10371.3	11850.9
72.5°	158.1	158.7	161.4	168.7	172.5	178.1	198.6	359.5	3192.3	7062.0	8286.4
75°	135.4	136.5	139.3	146.5	149.8	152.0	167.5	256.3	1615.0	3807.5	4335.2
77.5°	109.3	111.5	113.2	120.9	123.2	126.5	138.1	185.3	709.0	1368.1	1380.3
80°	79.9	82.7	87.7	94.9	96.5	98.8	105.4	131.5	321.2	624.7	678.5
82.5°	58.8	62.7	56.6	66.0	66.0	63.2	74.3	88.2	147.6	618.6	740.1
85°	32.2	32.7	29.4	33.8	36.1	35.5	39.4	43.3	71.6	412.8	425.5
87.5°	7.8	8.3	8.9	10.5	12.8	12.8	13.9	12.2	23.3	133.7	76.6
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)