

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: P1208618

Luminaire Tested: UPW-SA1-070-750-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208618
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-SA1-070-750-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8324 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 67
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

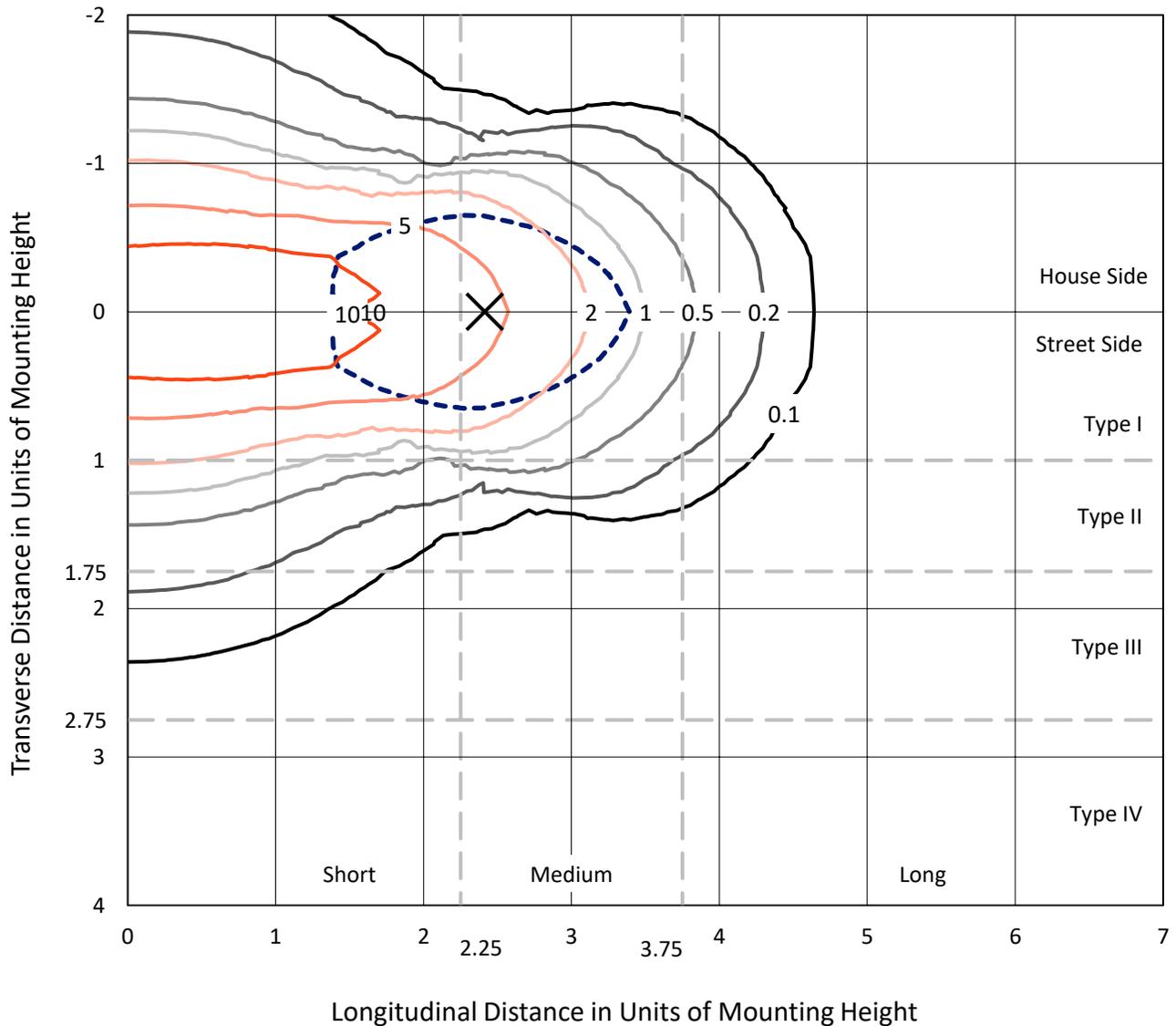


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

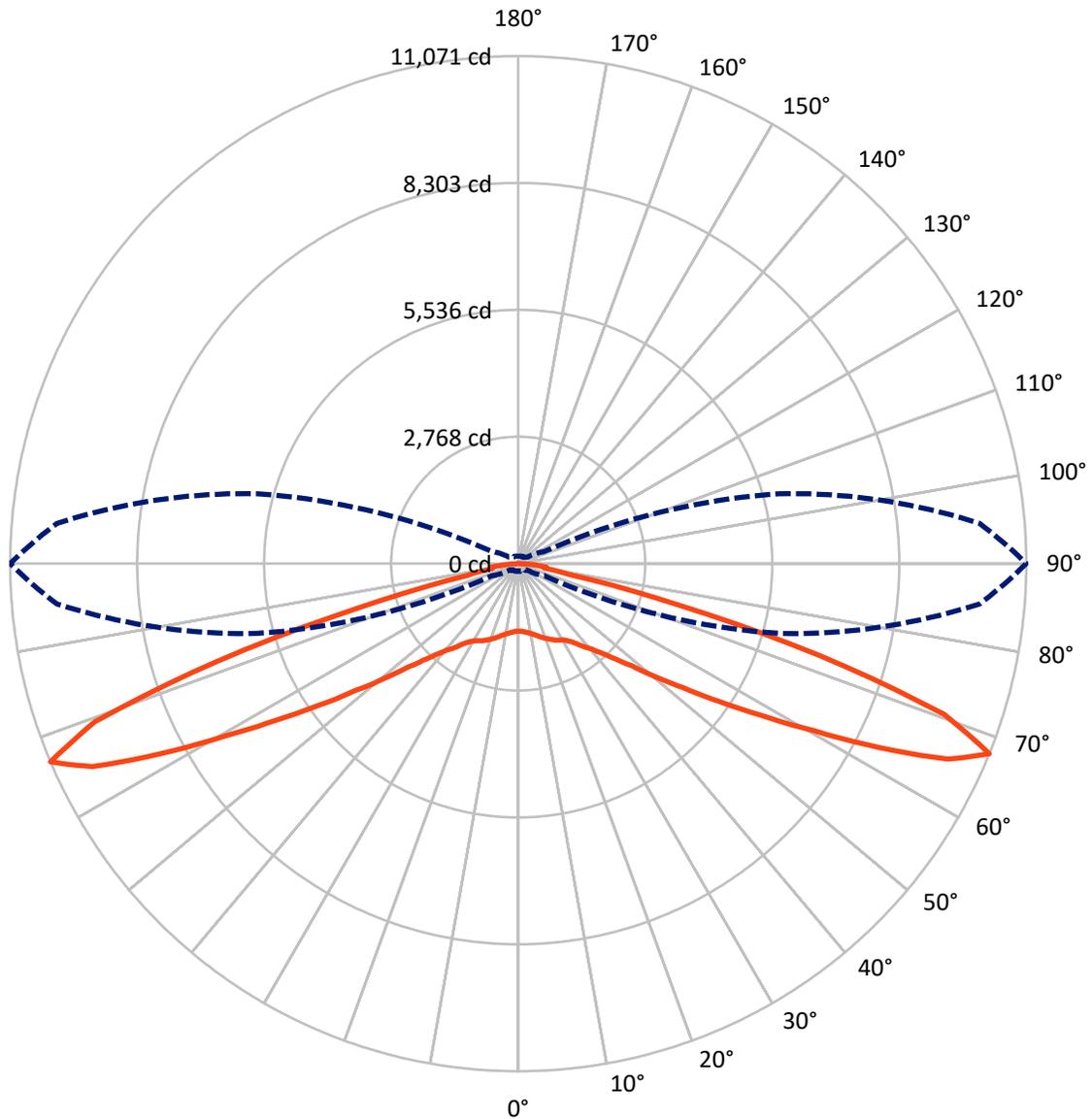


Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type I - Short - N/A

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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	4162.0	0.0	4162.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4162.0	0.0	4162.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8324.0	0.0	8324.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	1.8
10°-20°	470.1	5.6
20°-30°	786.8	9.5
30°-40°	1065.9	12.8
40°-50°	1350.1	16.2
50°-60°	1686.6	20.3
60°-70°	1982.5	23.8
70°-80°	758.4	9.1
80°-90°	76.8	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°	8324.0	100.0
0°-180°	8324.0	100.0



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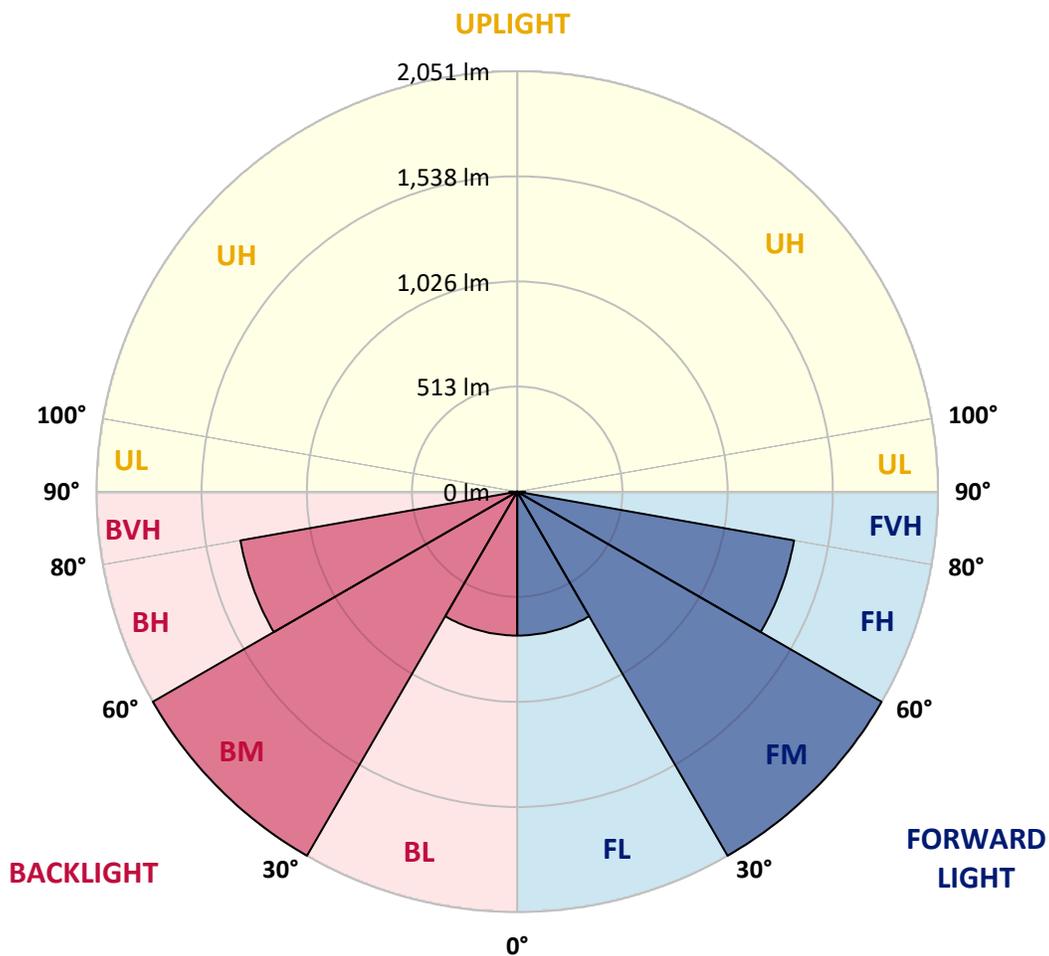
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	701.9	8.4			
FM	(30°-60°)	2051.3	24.6			
FH	(60°-80°)	1370.5	16.5			G1/1800
FVH	(80°-90°)	38.4	0.5			G1/100
BL	(0°-30°)	701.9	8.4	B2/1000		
BM	(30°-60°)	2051.3	24.6	B2/2500		
BH	(60°-80°)	1370.5	16.5	B3/2500		G3/2500
BVH	(80°-90°)	38.4	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°	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6
2.5°	1492.5	1491.6	1492.0	1491.6	1493.0	1492.0	1486.5	1481.9	1478.2	1478.7	1477.3
5°	1524.3	1524.8	1525.2	1522.9	1526.2	1524.3	1515.6	1508.2	1500.8	1498.0	1497.1
7.5°	1550.6	1552.9	1554.3	1556.6	1562.1	1562.1	1557.5	1546.9	1530.8	1521.5	1521.1
10°	1576.9	1578.7	1582.8	1590.2	1599.4	1608.2	1606.4	1592.1	1571.3	1555.7	1552.0
12.5°	1586.1	1588.4	1602.2	1623.4	1644.2	1661.2	1661.2	1649.7	1622.9	1599.0	1592.1
15°	1553.8	1558.0	1582.8	1628.0	1682.4	1719.7	1728.0	1711.9	1683.3	1646.5	1638.2
17.5°	1489.7	1499.9	1536.3	1603.1	1693.5	1770.9	1794.9	1787.0	1750.2	1703.2	1693.5
20°	1421.1	1432.1	1470.8	1559.3	1684.3	1800.9	1870.5	1872.3	1826.7	1758.5	1744.2
22.5°	1345.5	1353.8	1403.5	1507.3	1656.6	1807.8	1935.5	1967.3	1905.5	1813.8	1793.5
25°	1260.7	1269.9	1322.0	1434.0	1604.5	1799.9	1994.9	2065.0	1988.0	1872.8	1847.0
27.5°	1179.5	1183.2	1239.0	1352.8	1535.8	1779.7	2038.7	2154.9	2079.3	1921.6	1888.9
30°	1101.6	1110.4	1159.7	1272.2	1457.0	1740.0	2076.5	2257.2	2177.5	1972.8	1930.9
32.5°	1019.1	1029.7	1083.2	1197.0	1378.2	1680.6	2099.6	2369.2	2314.4	2055.8	2011.1
35°	939.8	946.8	1000.7	1111.3	1301.2	1611.4	2103.7	2495.5	2490.9	2181.6	2122.1
37.5°	858.7	868.9	923.3	1029.3	1219.6	1538.1	2083.0	2629.6	2703.8	2356.3	2292.2
40°	780.8	789.6	843.0	950.0	1127.0	1448.7	2033.6	2752.2	2952.3	2536.1	2445.3
42.5°	696.0	698.3	756.9	865.6	1036.2	1345.0	1962.7	2861.5	3229.3	2777.1	2664.2
45°	599.7	605.7	660.1	767.0	932.0	1228.9	1866.3	2951.8	3580.5	3111.3	2957.4
47.5°	503.3	508.4	558.2	663.7	818.2	1095.6	1717.9	3031.1	3941.0	3535.8	3333.9
50°	409.3	412.1	452.6	546.2	690.0	955.5	1534.0	3056.5	4348.5	4136.9	3879.2
52.5°	323.6	327.7	358.6	431.9	553.1	790.0	1335.3	2993.8	4824.1	4849.5	4486.3
55°	262.3	263.7	286.7	340.6	432.4	616.7	1095.6	2819.1	5335.8	5762.6	5299.4
57.5°	225.9	226.8	239.7	269.6	332.8	465.1	850.0	2488.6	5795.3	6832.4	6236.9
60°	205.1	205.6	213.0	230.5	263.7	356.8	608.9	2022.1	6248.9	8023.0	7402.1
62.5°	192.2	192.2	197.3	207.0	223.1	273.8	441.1	1458.9	6559.6	9231.1	8838.4
65°	179.8	179.8	183.5	190.4	199.1	224.0	325.9	951.4	6551.7	10111.1	10283.0
67.5°	165.5	165.5	168.2	175.2	180.2	192.7	251.7	623.2	5885.2	10091.7	11071.2
70°	148.4	148.4	152.1	158.1	162.2	170.1	198.7	426.4	4323.6	8616.7	9846.0
72.5°	131.4	131.8	134.1	140.1	143.4	148.0	165.0	298.7	2652.2	5867.2	6884.5
75°	112.5	113.4	115.7	121.7	124.5	126.3	139.2	213.0	1341.8	3163.4	3601.7
77.5°	90.8	92.6	94.0	100.5	102.3	105.1	114.8	154.0	589.1	1136.7	1146.8
80°	66.4	68.7	72.8	78.8	80.2	82.0	87.6	109.2	266.9	519.0	563.7
82.5°	48.9	52.1	47.0	54.9	54.9	52.5	61.8	73.3	122.6	513.9	614.9
85°	26.7	27.2	24.4	28.1	30.0	29.5	32.7	36.0	59.5	342.9	353.5
87.5°	6.5	6.9	7.4	8.8	10.6	10.6	11.5	10.1	19.4	111.1	63.6
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)