

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: P1208753

Luminaire Tested: UPW-SA2-070-727-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208753
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-SA2-070-727-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8170 lumens
Efficiency: N/A
Efficacy: 123.8 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): 66
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

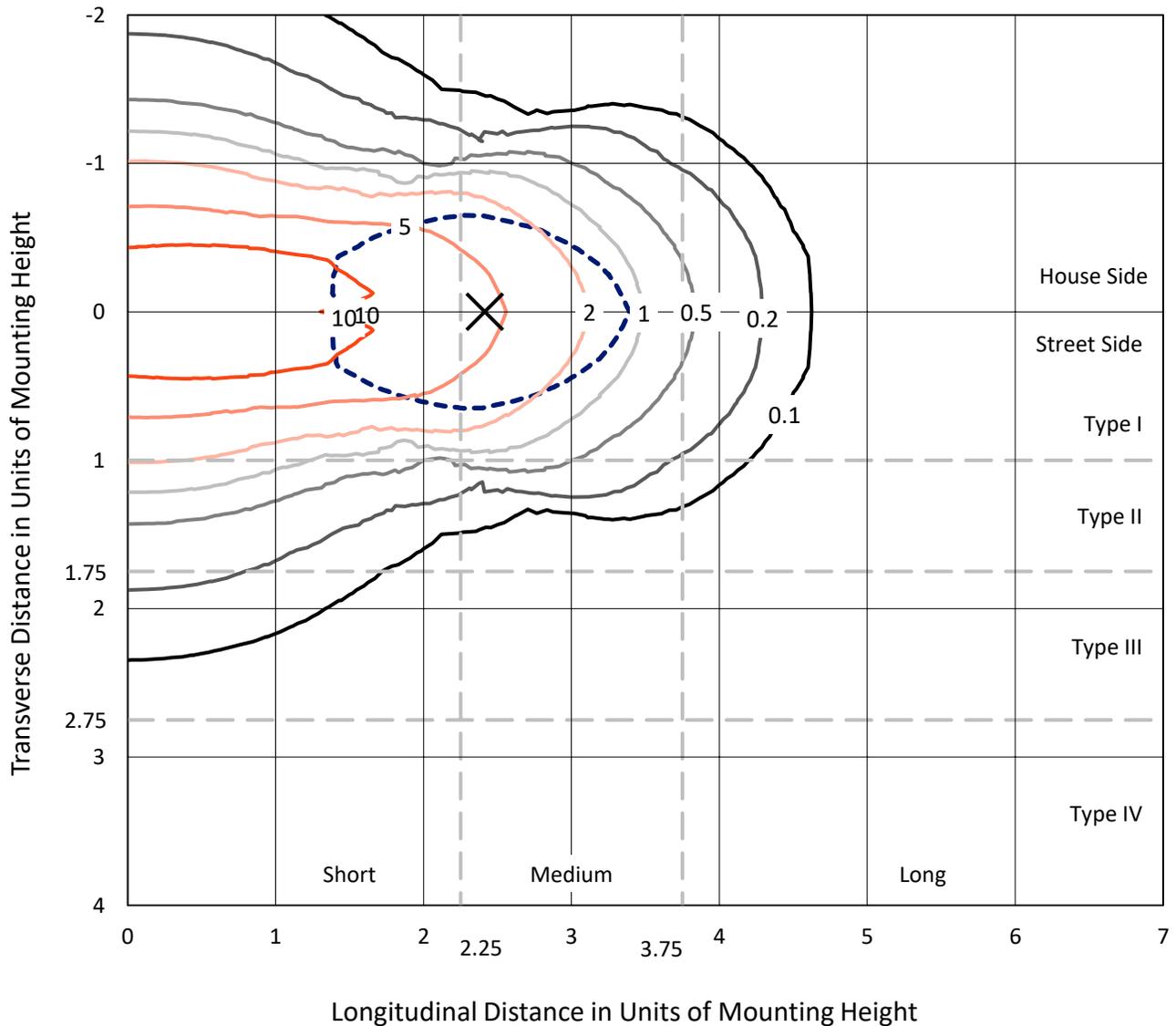


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Iso-Footcandle Lines of Horizontal Illumination

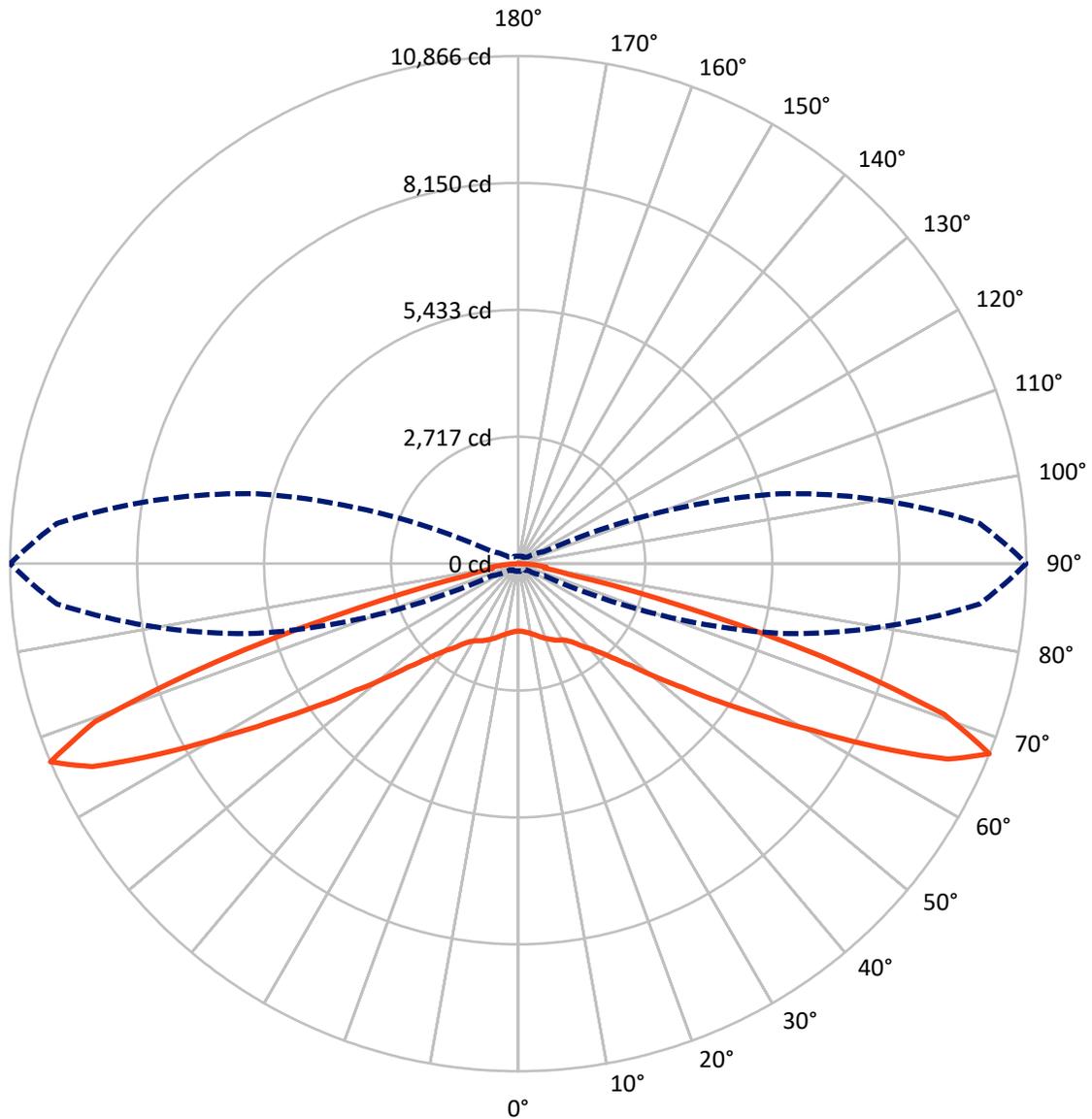
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 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	4085.0	0.0	4085.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4085.0	0.0	4085.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8170.0	0.0	8170.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	1.8
10°-20°	461.4	5.6
20°-30°	772.2	9.5
30°-40°	1046.1	12.8
40°-50°	1325.1	16.2
50°-60°	1655.4	20.3
60°-70°	1945.8	23.8
70°-80°	744.4	9.1
80°-90°	75.4	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°	8170.0	100.0
0°-180°	8170.0	100.0



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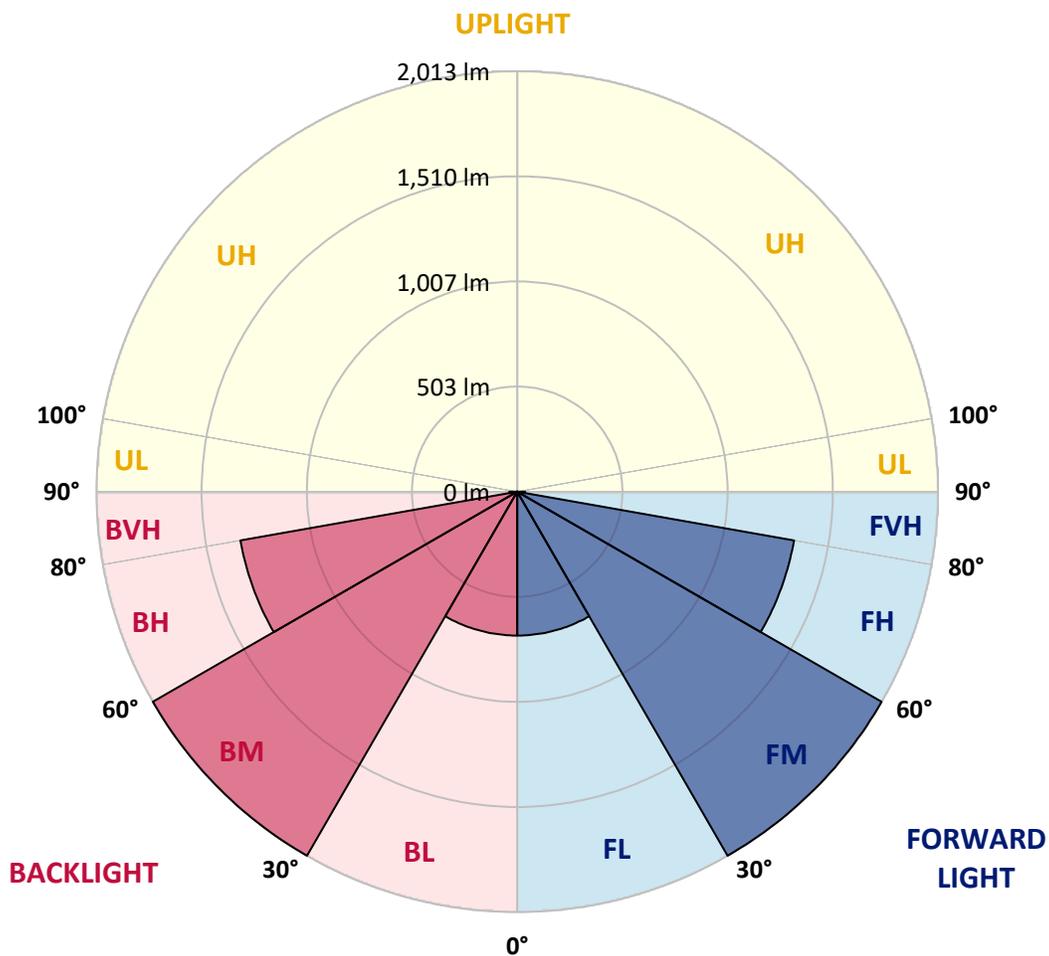
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	688.9	8.4			
FM	(30°-60°)	2013.3	24.6			
FH	(60°-80°)	1345.1	16.5			G1/1800
FVH	(80°-90°)	37.7	0.5			G1/100
BL	(0°-30°)	688.9	8.4	B2/1000		
BM	(30°-60°)	2013.3	24.6	B2/2500		
BH	(60°-80°)	1345.1	16.5	B3/2500		G3/2500
BVH	(80°-90°)	37.7	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°	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3
2.5°	1464.9	1464.0	1464.4	1464.0	1465.3	1464.4	1459.0	1454.5	1450.9	1451.3	1450.0
5°	1496.1	1496.6	1497.0	1494.8	1497.9	1496.1	1487.5	1480.3	1473.0	1470.3	1469.4
7.5°	1521.9	1524.2	1525.5	1527.8	1533.2	1533.2	1528.7	1518.3	1502.4	1493.4	1492.9
10°	1547.7	1549.5	1553.6	1560.8	1569.9	1578.4	1576.6	1562.6	1542.3	1526.9	1523.3
12.5°	1556.7	1559.0	1572.6	1593.4	1613.7	1630.5	1630.5	1619.2	1592.9	1569.4	1562.6
15°	1525.1	1529.1	1553.6	1597.9	1651.3	1687.9	1696.1	1680.2	1652.2	1616.0	1607.9
17.5°	1462.2	1472.1	1507.9	1573.5	1662.1	1738.1	1761.7	1754.0	1717.8	1671.6	1662.1
20°	1394.8	1405.6	1443.6	1530.5	1653.1	1767.6	1835.9	1837.7	1792.9	1725.9	1711.9
22.5°	1320.6	1328.7	1377.6	1479.4	1625.9	1774.3	1899.7	1930.9	1870.2	1780.2	1760.3
25°	1237.3	1246.4	1297.5	1407.4	1574.8	1766.6	1958.0	2026.8	1951.2	1838.1	1812.8
27.5°	1157.7	1161.3	1216.1	1327.8	1507.4	1746.7	2001.0	2115.0	2040.8	1886.1	1854.0
30°	1081.3	1089.8	1138.3	1248.6	1430.1	1707.8	2038.1	2215.4	2137.2	1936.3	1895.1
32.5°	1000.3	1010.7	1063.2	1174.9	1352.7	1649.5	2060.7	2325.4	2271.5	2017.7	1973.9
35°	922.5	929.2	982.2	1090.8	1277.1	1581.6	2064.8	2449.3	2444.8	2141.2	2082.9
37.5°	842.8	852.8	906.2	1010.2	1197.1	1509.7	2044.4	2581.0	2653.8	2312.7	2249.8
40°	766.4	775.0	827.5	932.4	1106.1	1421.9	1996.0	2701.3	2897.7	2489.1	2400.0
42.5°	683.1	685.4	742.9	849.6	1017.0	1320.1	1926.3	2808.5	3169.6	2725.8	2614.9
45°	588.6	594.5	647.8	752.8	914.8	1206.1	1831.8	2897.2	3514.3	3053.7	2902.6
47.5°	494.0	499.0	547.9	651.5	803.0	1075.4	1686.1	2975.0	3868.1	3470.4	3272.3
50°	401.7	404.5	444.3	536.1	677.3	937.8	1505.6	2999.9	4268.0	4060.4	3807.5
52.5°	317.6	321.7	352.0	423.9	542.9	775.4	1310.6	2938.4	4734.9	4759.8	4403.3
55°	257.4	258.8	281.4	334.3	424.4	605.3	1075.4	2766.9	5237.1	5656.0	5201.3
57.5°	221.7	222.6	235.3	264.7	326.6	456.5	834.2	2442.5	5688.1	6706.0	6121.5
60°	201.3	201.8	209.0	226.2	258.8	350.2	597.6	1984.7	6133.3	7874.6	7265.2
62.5°	188.7	188.7	193.6	203.1	219.0	268.7	433.0	1431.9	6438.2	9060.3	8674.9
65°	176.4	176.4	180.1	186.8	195.4	219.9	319.9	933.8	6430.5	9924.0	10092.7
67.5°	162.4	162.4	165.1	171.9	176.9	189.1	247.0	611.7	5776.3	9905.0	10866.4
70°	145.7	145.7	149.3	155.2	159.2	166.9	195.0	418.5	4243.6	8457.3	9663.9
72.5°	128.9	129.4	131.7	137.5	140.7	145.2	162.0	293.2	2603.1	5758.7	6757.1
75°	110.4	111.3	113.6	119.4	122.1	124.0	136.6	209.0	1317.0	3104.9	3535.1
77.5°	89.1	90.9	92.3	98.6	100.4	103.1	112.6	151.1	578.2	1115.6	1125.6
80°	65.1	67.4	71.5	77.4	78.7	80.5	86.0	107.2	261.9	509.4	553.3
82.5°	48.0	51.1	46.1	53.8	53.8	51.6	60.6	71.9	120.3	504.4	603.5
85°	26.2	26.7	24.0	27.6	29.4	29.0	32.1	35.3	58.4	336.6	347.0
87.5°	6.3	6.8	7.2	8.6	10.4	10.4	11.3	10.0	19.0	109.0	62.4
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)