

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: P1208537

Luminaire Tested: UPW-SA1-070-730-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208537
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-SA1-070-730-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7581 lumens
Efficiency: N/A
Efficacy: 113.1 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

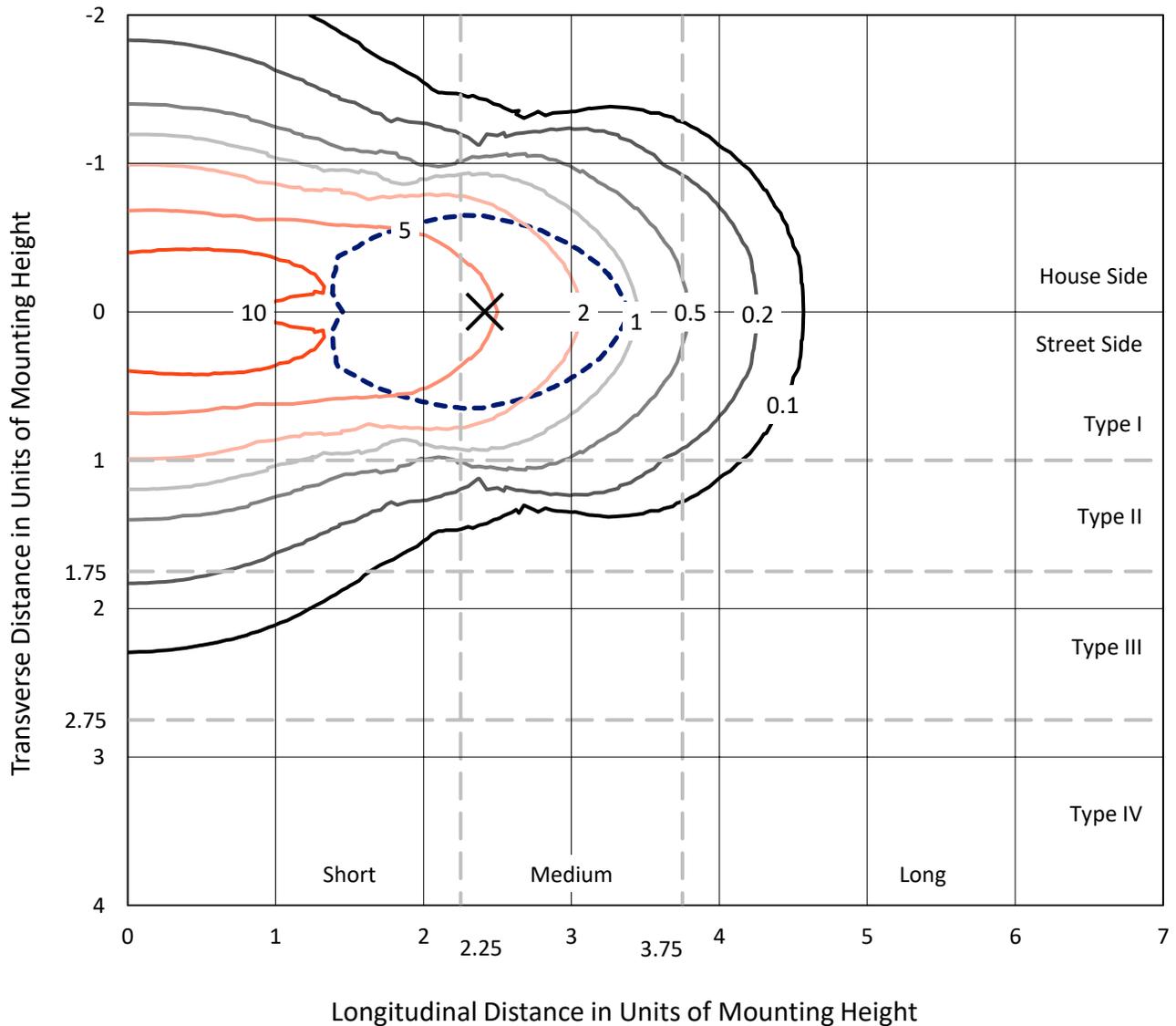


REPORT NUMBER: P1208537

CATALOG NUMBER: UPW-SA1-070-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

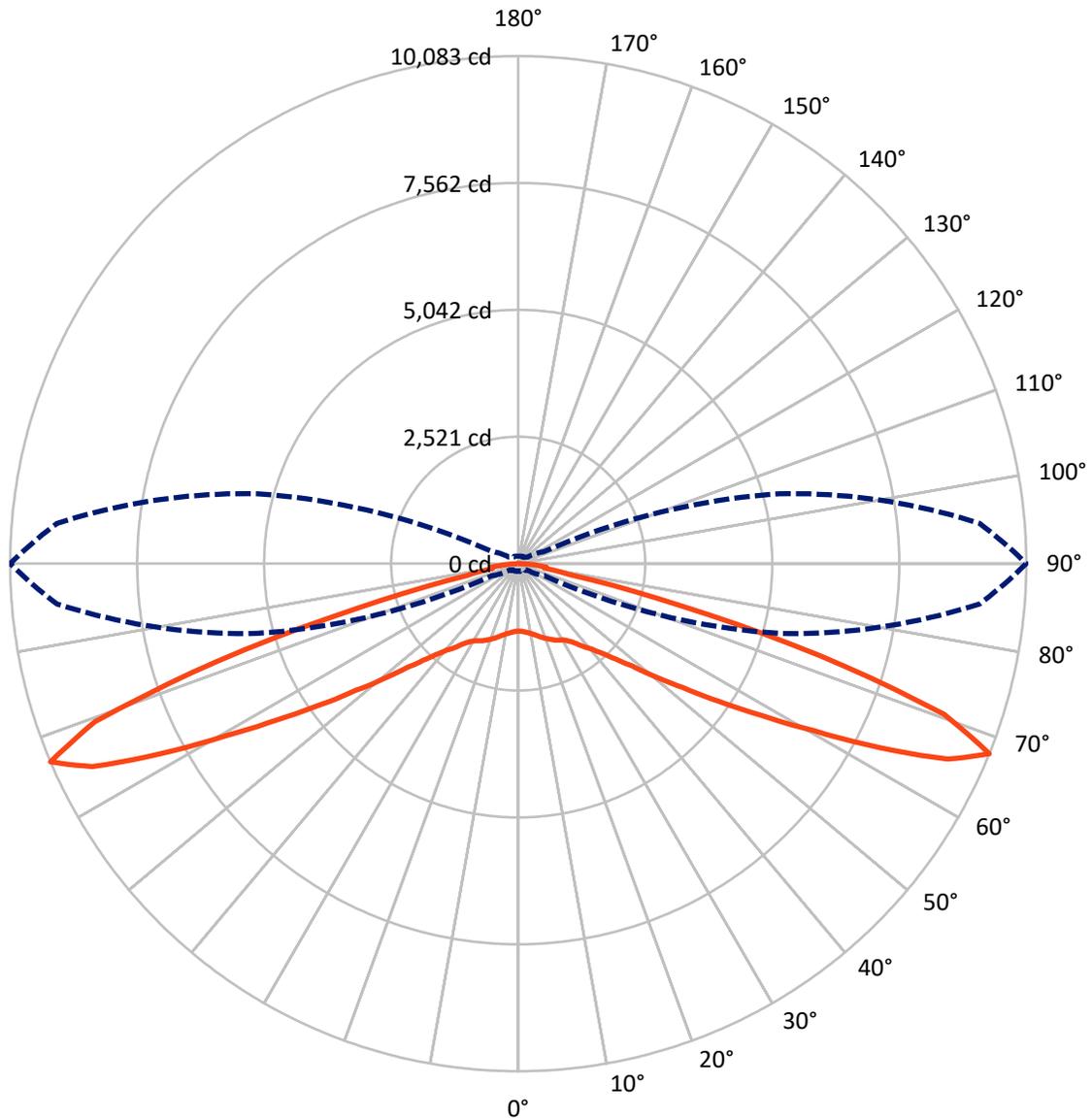


Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type I - Short - N/A

REPORT NUMBER: P1208537

CATALOG NUMBER: UPW-SA1-070-730-U-T1

Luminous Intensity Polar Plot



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

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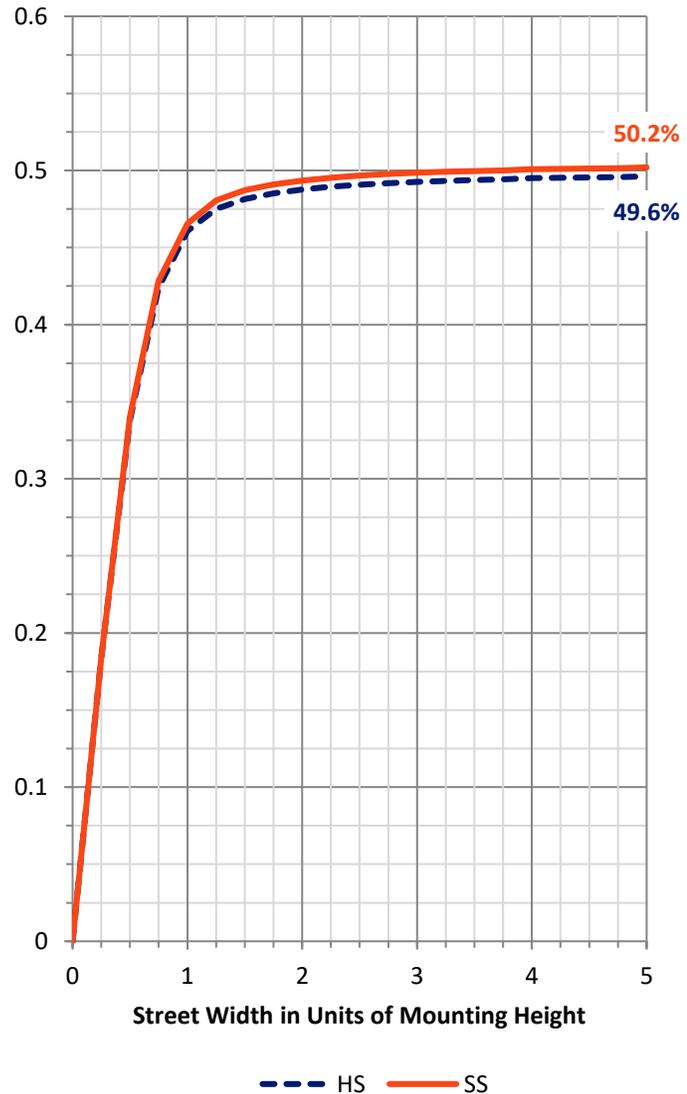
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3790.5	0.0	3790.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3790.5	0.0	3790.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7581.0	0.0	7581.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	1.8
10°-20°	428.1	5.6
20°-30°	716.5	9.5
30°-40°	970.7	12.8
40°-50°	1229.6	16.2
50°-60°	1536.0	20.3
60°-70°	1805.5	23.8
70°-80°	690.7	9.1
80°-90°	70.0	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°	7581.0	100.0
0°-180°	7581.0	100.0



REPORT NUMBER: P1208537

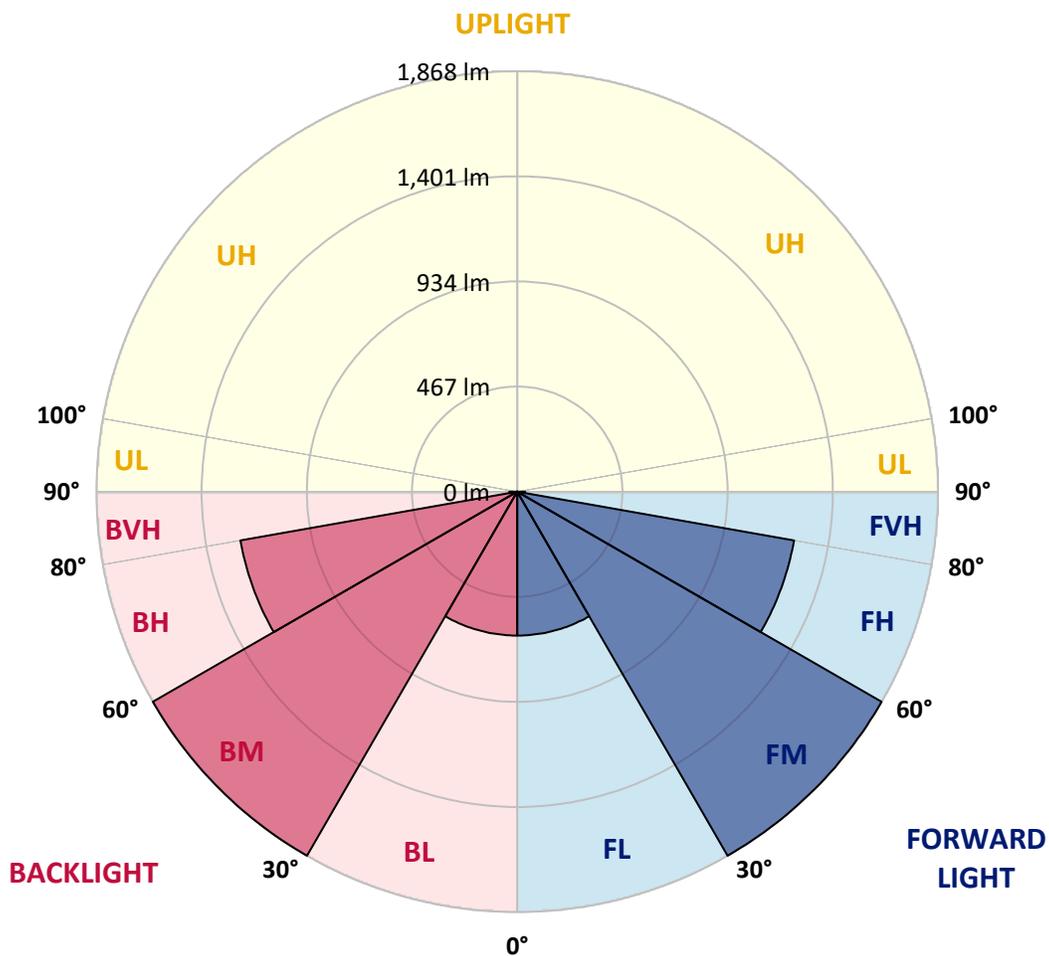
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	639.2	8.4			
FM	(30°-60°)	1868.2	24.6			
FH	(60°-80°)	1248.1	16.5			G1/1800
FVH	(80°-90°)	35.0	0.5			G1/100
BL	(0°-30°)	639.2	8.4	B2/1000		
BM	(30°-60°)	1868.2	24.6	B2/2500		
BH	(60°-80°)	1248.1	16.5	B3/2500		G3/2500
BVH	(80°-90°)	35.0	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°	1342.1	1342.1	1342.1	1342.1	1342.1	1342.1	1342.1	1342.1	1342.1	1342.1	1342.1
2.5°	1359.3	1358.4	1358.9	1358.4	1359.7	1358.9	1353.8	1349.6	1346.3	1346.7	1345.4
5°	1388.3	1388.7	1389.1	1387.0	1389.9	1388.3	1380.3	1373.6	1366.8	1364.3	1363.5
7.5°	1412.2	1414.3	1415.5	1417.6	1422.7	1422.7	1418.5	1408.8	1394.1	1385.7	1385.3
10°	1436.1	1437.8	1441.6	1448.3	1456.7	1464.7	1463.0	1450.0	1431.1	1416.8	1413.4
12.5°	1444.5	1446.6	1459.2	1478.5	1497.4	1512.9	1512.9	1502.4	1478.1	1456.3	1450.0
15°	1415.1	1418.9	1441.6	1482.7	1532.2	1566.2	1573.8	1559.1	1533.1	1499.5	1491.9
17.5°	1356.8	1366.0	1399.2	1460.0	1542.3	1612.8	1634.7	1627.5	1593.9	1551.1	1542.3
20°	1294.2	1304.3	1339.6	1420.2	1533.9	1640.1	1703.5	1705.2	1663.6	1601.5	1588.5
22.5°	1225.4	1232.9	1278.3	1372.7	1508.7	1646.4	1762.7	1791.7	1735.4	1651.9	1633.4
25°	1148.1	1156.5	1204.0	1306.0	1461.3	1639.3	1816.9	1880.7	1810.6	1705.6	1682.1
27.5°	1074.2	1077.6	1128.4	1232.1	1398.7	1620.8	1856.7	1962.5	1893.7	1750.1	1720.3
30°	1003.3	1011.3	1056.2	1158.6	1327.0	1584.7	1891.2	2055.7	1983.1	1796.7	1758.5
32.5°	928.2	937.8	986.5	1090.2	1255.2	1530.6	1912.1	2157.7	2107.8	1872.3	1831.5
35°	856.0	862.3	911.4	1012.1	1185.1	1467.6	1915.9	2272.8	2268.6	1986.9	1932.7
37.5°	782.1	791.3	840.8	937.4	1110.8	1400.8	1897.0	2394.9	2462.5	2146.0	2087.6
40°	711.1	719.1	767.8	865.2	1026.4	1319.4	1852.1	2506.6	2688.8	2309.7	2227.0
42.5°	633.9	636.0	689.3	788.4	943.7	1225.0	1787.5	2606.1	2941.1	2529.2	2426.4
45°	546.1	551.6	601.1	698.5	848.8	1119.2	1699.7	2688.3	3260.9	2833.6	2693.4
47.5°	458.4	463.0	508.4	604.5	745.1	997.8	1564.6	2760.5	3589.2	3220.2	3036.4
50°	372.8	375.3	412.2	497.5	628.4	870.2	1397.1	2783.6	3960.3	3767.6	3533.0
52.5°	294.7	298.5	326.6	393.3	503.7	719.5	1216.1	2726.5	4393.5	4416.6	4085.8
55°	238.9	240.1	261.1	310.2	393.8	561.7	997.8	2567.4	4859.5	5248.2	4826.3
57.5°	205.7	206.5	218.3	245.6	303.1	423.6	774.1	2266.5	5278.0	6222.6	5680.2
60°	186.8	187.2	193.9	209.9	240.1	324.9	554.5	1841.6	5691.1	7306.9	6741.4
62.5°	175.1	175.1	179.7	188.5	203.2	249.4	401.7	1328.6	5974.1	8407.2	8049.5
65°	163.7	163.7	167.1	173.4	181.3	204.0	296.8	866.4	5966.9	9208.5	9365.1
67.5°	150.7	150.7	153.2	159.5	164.1	175.5	229.2	567.6	5359.9	9190.9	10083.0
70°	135.2	135.2	138.5	144.0	147.8	154.9	180.9	388.3	3937.6	7847.6	8967.2
72.5°	119.6	120.1	122.2	127.6	130.6	134.8	150.3	272.0	2415.5	5343.5	6270.0
75°	102.4	103.3	105.4	110.8	113.3	115.0	126.8	193.9	1222.0	2881.0	3280.2
77.5°	82.7	84.4	85.6	91.5	93.2	95.7	104.5	140.2	536.5	1035.2	1044.4
80°	60.4	62.5	66.3	71.8	73.0	74.7	79.8	99.5	243.1	472.7	513.4
82.5°	44.5	47.4	42.8	50.0	50.0	47.9	56.3	66.7	111.7	468.1	560.0
85°	24.3	24.8	22.2	25.6	27.3	26.9	29.8	32.7	54.2	312.3	322.0
87.5°	5.9	6.3	6.7	8.0	9.7	9.7	10.5	9.2	17.6	101.2	57.9
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)