

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: P1208829

Luminaire Tested: UPW-SA2-070-740-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-740-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9491 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

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

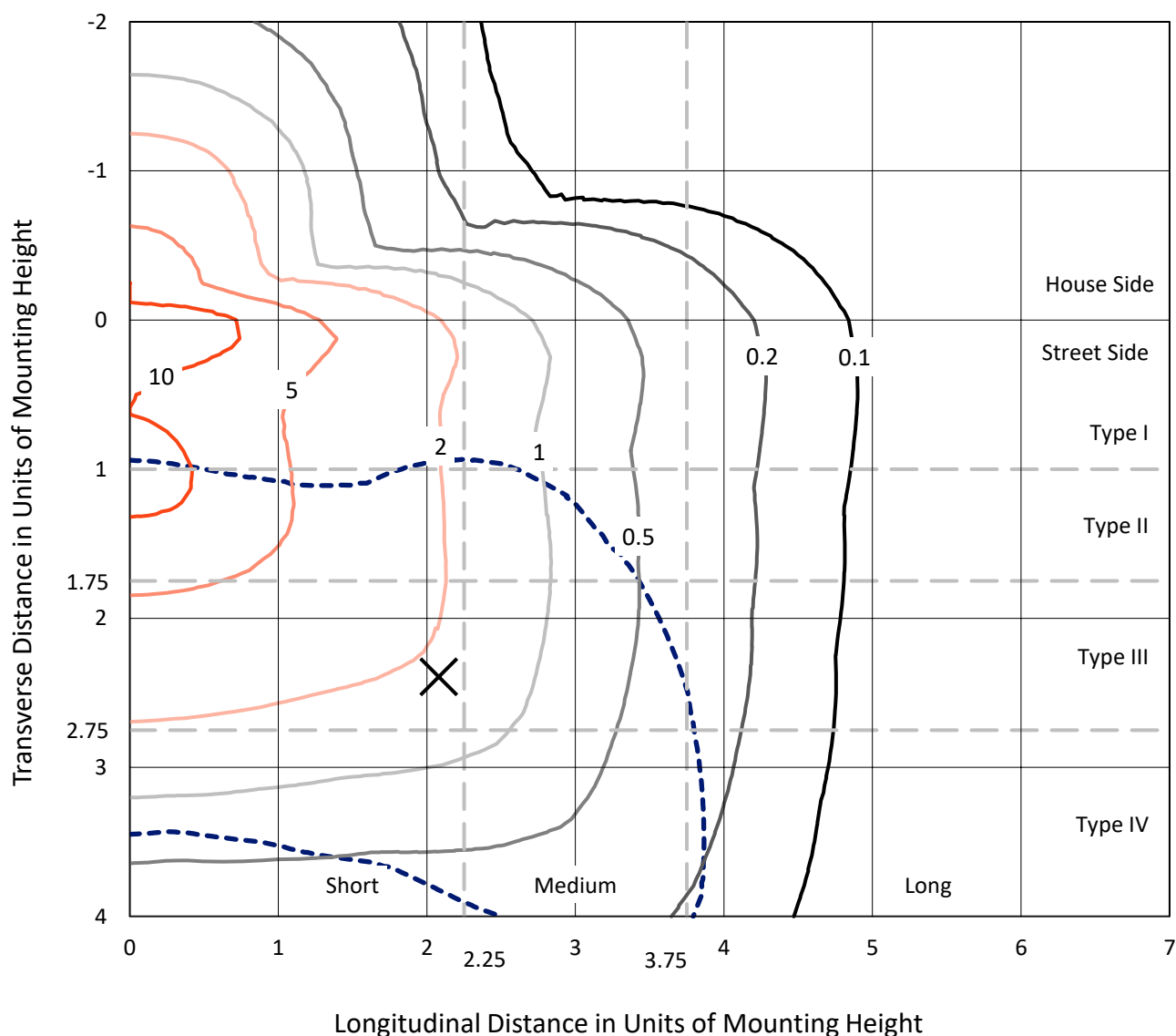


REPORT NUMBER: P1208829

CATALOG NUMBER: UPW-SA2-070-740-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

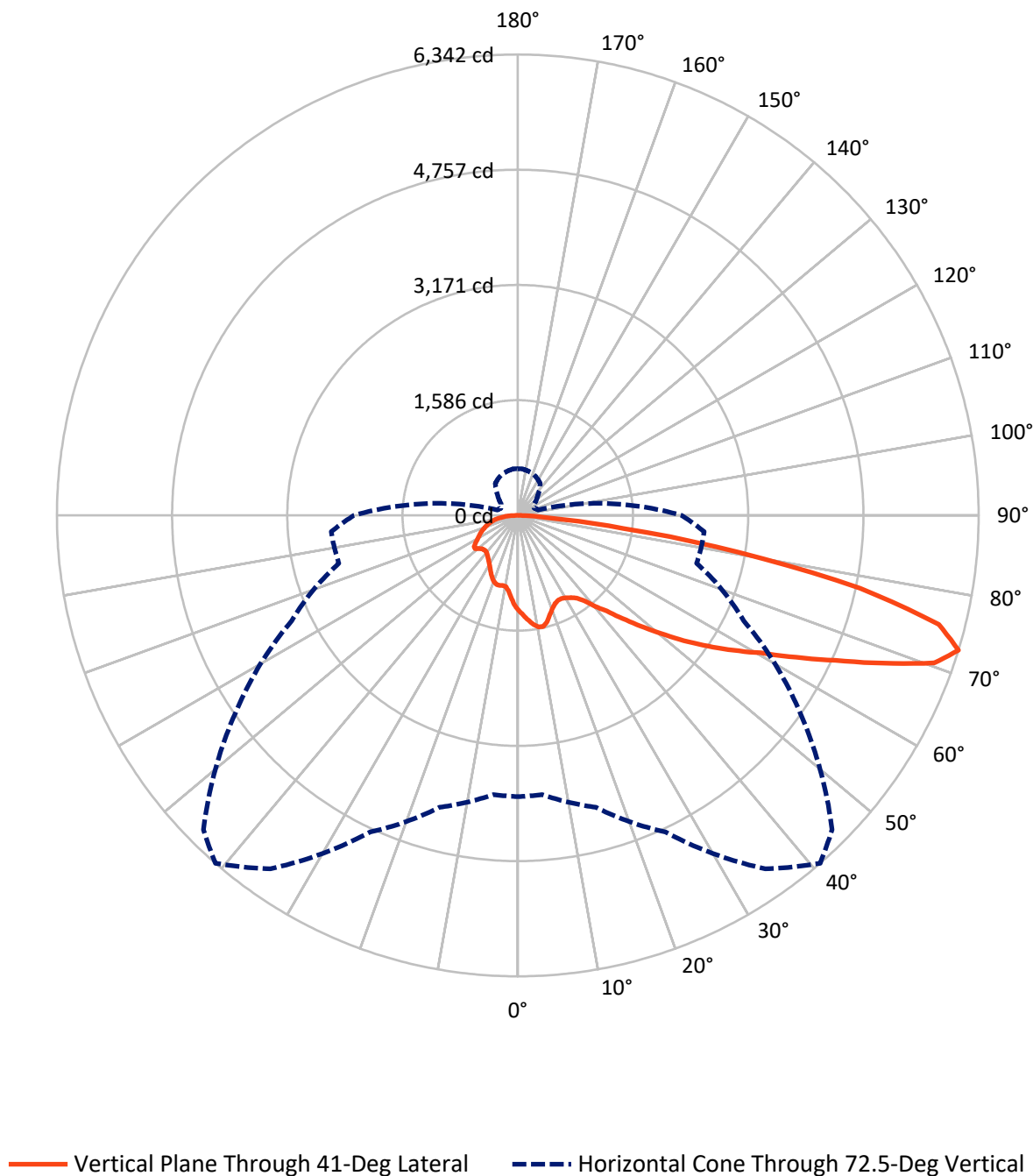


Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P1208829

CATALOG NUMBER: UPW-SA2-070-740-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P1208829

CATALOG NUMBER: UPW-SA2-070-740-U-SL4

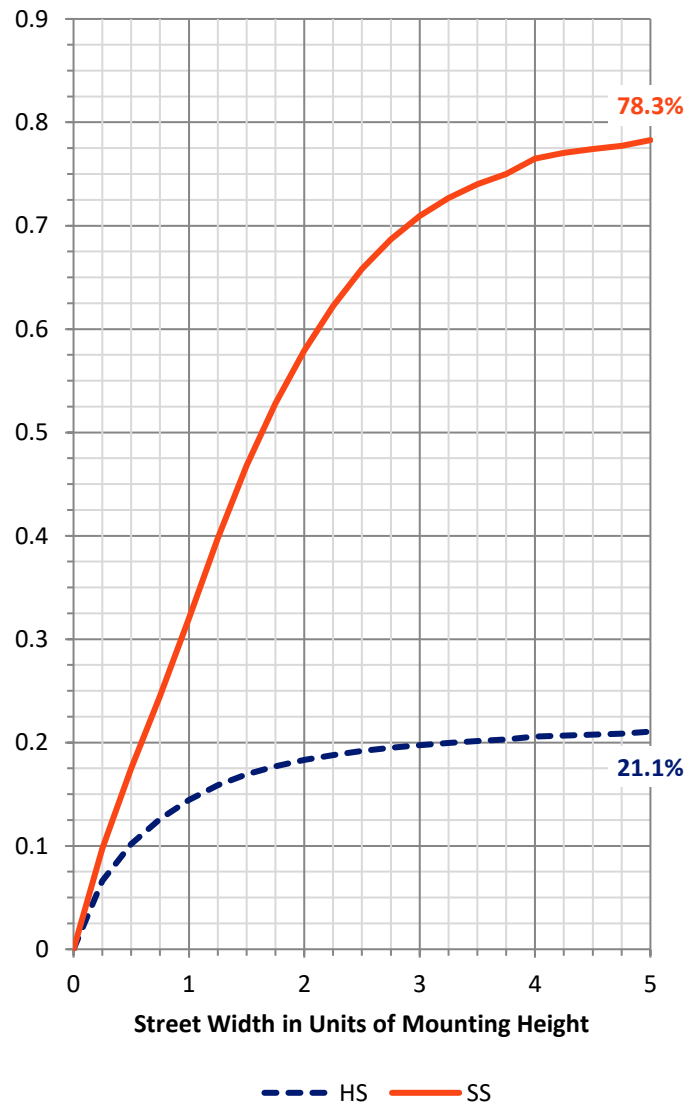
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2053.7	0.0	2053.7
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	7437.3	0.0	7437.3
	% Fixture	78.4	0.0	78.4
Total	Lumens	9491.0	0.0	9491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	1.3
10°-20°	374.8	3.9
20°-30°	576.1	6.1
30°-40°	792.0	8.3
40°-50°	1206.8	12.7
50°-60°	1782.1	18.8
60°-70°	2340.5	24.7
70°-80°	2005.3	21.1
80°-90°	288.9	3.0
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°	9491.0	100.0
0°-180°	9491.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208829

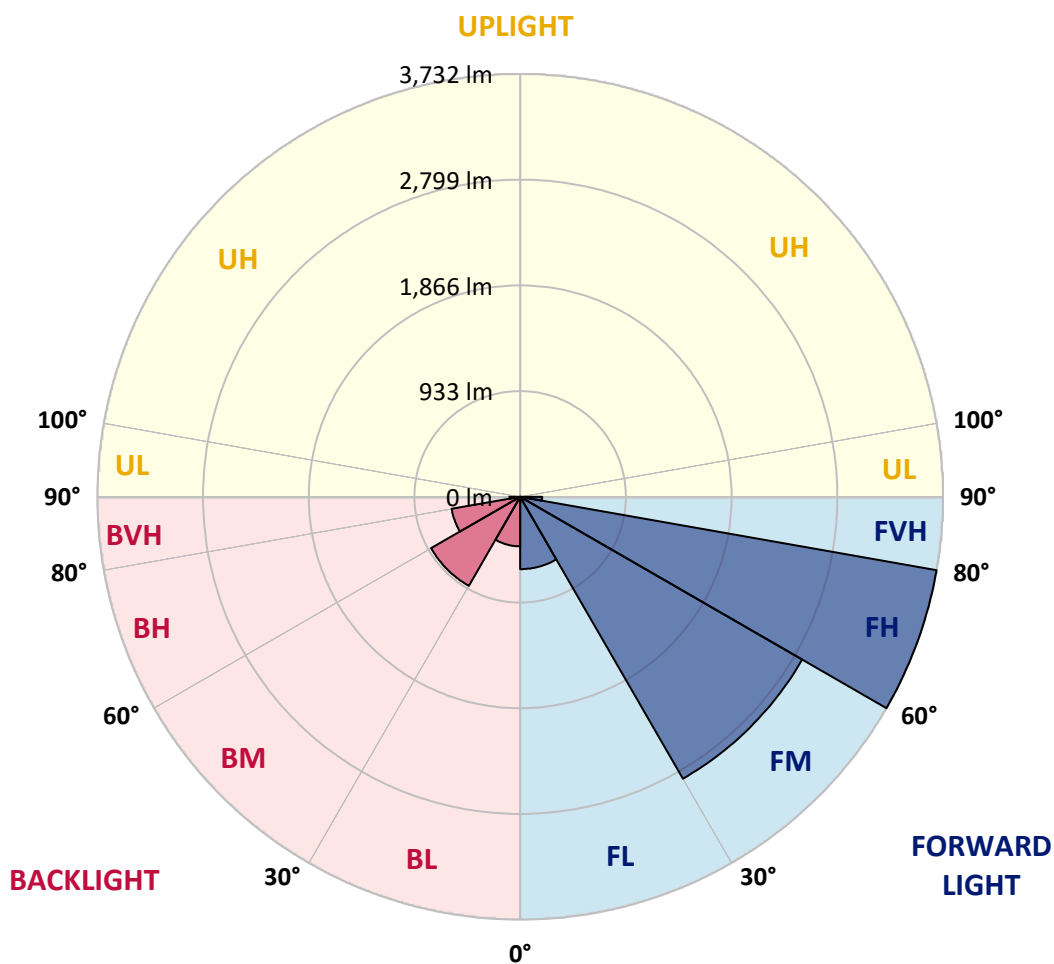
CATALOG NUMBER: UPW-SA2-070-740-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	638.3	6.7			
FM	(30°-60°)	2873.3	30.3			
FH	(60°-80°)	3731.7	39.3			G2/5000
FVH	(80°-90°)	194.1	2.0			G2/225
BL	(0°-30°)	437.1	4.6	B1/500		
BM	(30°-60°)	907.7	9.6	B1/1000		
BH	(60°-80°)	614.1	6.5	B2/1000		G2/1000
BVH	(80°-90°)	94.9	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



REPORT NUMBER: P1208829

CATALOG NUMBER: UPW-SA2-070-740-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1389.0	1384.9	1384.9	1381.7	1376.5	1369.2	1368.2	1358.8	1349.4	1335.8	1322.3
5°	1469.4	1463.1	1461.1	1456.9	1451.7	1441.2	1442.3	1425.6	1405.7	1379.7	1352.5
7.5°	1526.8	1522.6	1521.6	1522.6	1515.3	1510.1	1510.1	1490.3	1470.4	1442.3	1400.5
10°	1546.6	1541.4	1545.6	1555.0	1562.3	1561.2	1566.5	1559.2	1544.5	1520.5	1462.1
12.5°	1511.1	1511.1	1513.2	1525.8	1549.8	1568.5	1585.2	1615.5	1629.1	1608.2	1535.2
15°	1456.9	1453.7	1450.6	1455.8	1485.1	1516.4	1551.8	1633.2	1692.7	1691.7	1612.4
17.5°	1424.5	1422.4	1400.5	1379.7	1395.3	1431.8	1476.7	1607.2	1733.4	1767.9	1689.6
20°	1405.7	1401.6	1375.5	1333.7	1327.5	1365.0	1399.5	1553.9	1739.7	1840.9	1762.7
22.5°	1390.1	1388.0	1354.6	1299.3	1283.6	1314.9	1350.4	1489.2	1716.7	1888.9	1827.4
25°	1397.4	1393.2	1351.5	1285.7	1266.9	1293.0	1324.3	1438.1	1676.0	1916.1	1879.5
27.5°	1432.9	1432.9	1377.6	1299.3	1275.3	1293.0	1317.0	1409.9	1632.2	1923.4	1927.5
30°	1514.3	1511.1	1441.2	1346.3	1307.6	1314.9	1331.6	1400.5	1589.4	1909.8	1958.9
32.5°	1657.3	1646.8	1560.2	1430.8	1355.6	1348.3	1351.5	1394.3	1545.6	1885.8	1989.1
35°	1917.1	1888.9	1756.4	1580.0	1441.2	1396.3	1383.8	1400.5	1519.5	1869.1	2017.3
37.5°	2263.6	2223.9	2060.1	1810.7	1589.4	1493.4	1450.6	1430.8	1515.3	1849.3	2044.4
40°	2593.4	2569.4	2375.3	2084.1	1781.4	1646.8	1576.9	1476.7	1520.5	1836.8	2082.0
42.5°	3013.9	2975.3	2749.9	2371.1	1992.3	1798.1	1696.9	1538.3	1553.9	1845.1	2124.8
45°	3466.9	3459.6	3178.8	2723.8	2255.2	2022.5	1894.2	1654.1	1618.6	1878.5	2188.4
47.5°	3956.3	3922.9	3628.6	3134.0	2553.7	2274.0	2115.4	1787.7	1711.5	1934.9	2273.0
50°	4372.7	4348.7	4046.1	3512.8	2879.3	2549.5	2364.8	1949.5	1827.4	2011.0	2361.7
52.5°	4595.0	4577.3	4391.5	3911.4	3213.3	2861.6	2595.5	2118.5	1972.4	2106.0	2458.7
55°	4541.8	4531.4	4530.3	4212.0	3577.5	3175.7	2858.4	2299.1	2139.4	2219.8	2573.5
57.5°	4527.2	4509.4	4518.8	4419.7	3924.0	3500.3	3150.7	2523.4	2348.1	2356.5	2693.6
60°	4541.8	4531.4	4584.6	4548.1	4249.6	3840.5	3490.9	2795.8	2566.2	2496.3	2801.0
62.5°	4677.5	4652.4	4694.2	4771.4	4604.4	4301.8	3920.8	3120.4	2808.4	2601.7	2884.5
65°	4885.1	4838.2	4851.7	5046.9	5022.9	4804.8	4431.2	3543.1	3035.9	2686.3	2923.2
67.5°	4944.6	4929.0	4964.5	5213.9	5463.3	5425.7	5078.2	4009.5	3258.1	2734.3	2879.3
70°	4699.4	4679.5	4838.2	5223.3	5896.4	6080.1	5757.6	4459.3	3448.1	2716.5	2779.1
72.5°	3868.7	3856.1	4157.7	4806.9	5936.1	6342.0	6116.6	4745.3	3432.4	2548.5	2575.6
75°	2502.6	2460.8	2945.1	3780.0	5326.6	5984.1	5824.4	4385.2	3006.6	2265.7	2218.7
77.5°	885.0	994.6	1272.2	2247.9	4047.1	4816.3	4549.1	3289.5	2220.8	1660.4	1563.3
80°	308.9	324.6	406.0	842.2	2189.5	3084.9	2869.9	1906.7	1186.6	865.2	829.7
82.5°	181.6	189.9	212.9	308.9	805.7	1465.2	1223.1	800.4	434.1	371.5	325.6
85°	61.6	65.7	110.6	158.6	285.9	423.7	380.9	205.6	168.0	150.3	97.1
87.5°	12.5	14.6	24.0	52.2	96.0	108.5	82.4	50.1	69.9	69.9	33.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1208829

CATALOG NUMBER: UPW-SA2-070-740-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1312.9	1303.5	1286.8	1271.1	1254.4	1241.9	1226.2	1213.7	1215.8	1208.5	1206.4
5°	1334.8	1314.9	1275.3	1233.5	1190.8	1150.1	1115.6	1087.4	1071.8	1063.4	1062.4
7.5°	1370.3	1340.0	1269.0	1192.8	1112.5	1057.2	1020.7	1002.9	1000.8	998.7	995.6
10°	1425.6	1377.6	1266.9	1144.8	1043.6	995.6	989.3	1001.9	1019.6	1029.0	1029.0
12.5°	1484.0	1422.4	1265.9	1095.8	990.4	974.7	1002.9	1038.4	1067.6	1081.2	1079.1
15°	1546.6	1467.3	1250.2	1040.5	952.8	975.8	1024.8	1063.4	1093.7	1106.2	1107.3
17.5°	1613.4	1508.0	1224.2	979.9	925.7	973.7	1023.8	1057.2	1084.3	1093.7	1091.6
20°	1670.8	1544.5	1187.6	918.4	901.7	953.9	998.7	1023.8	1039.4	1041.5	1041.5
22.5°	1717.8	1570.6	1134.4	861.0	868.3	919.4	953.9	967.4	973.7	976.8	975.8
25°	1763.7	1588.4	1073.9	807.8	828.6	873.5	898.5	911.1	915.2	918.4	920.5
27.5°	1795.0	1596.7	1002.9	749.3	782.7	821.3	845.3	857.8	867.2	873.5	873.5
30°	1816.9	1591.5	928.8	705.5	743.1	775.4	803.6	820.3	833.8	841.1	842.2
32.5°	1837.8	1585.2	853.7	661.6	703.4	737.8	770.2	795.2	814.0	822.4	825.5
35°	1853.5	1571.7	774.4	628.3	666.9	703.4	739.9	771.2	795.2	809.8	813.0
37.5°	1869.1	1558.1	701.3	592.8	635.6	675.2	717.0	747.2	775.4	795.2	801.5
40°	1891.0	1548.7	636.6	561.5	611.6	655.4	693.0	728.4	760.8	778.5	784.8
42.5°	1921.3	1542.5	581.3	538.5	592.8	642.9	682.5	728.4	768.1	776.4	780.6
45°	1962.0	1542.5	536.4	519.7	583.4	642.9	691.9	742.0	773.3	770.2	773.3
47.5°	2006.9	1542.5	500.9	503.0	579.2	651.2	706.5	767.1	800.4	809.8	816.1
50°	2069.5	1542.5	472.8	488.4	571.9	664.8	755.6	817.1	837.0	840.1	842.2
52.5°	2138.4	1556.0	451.9	473.8	569.8	708.6	794.2	815.1	814.0	804.6	803.6
55°	2220.8	1580.0	433.1	457.1	577.1	717.0	769.1	775.4	755.6	737.8	733.7
57.5°	2304.3	1610.3	414.3	436.2	547.9	665.8	728.4	723.2	722.2	712.8	711.7
60°	2396.1	1644.7	393.4	401.8	489.5	616.8	673.1	713.8	725.3	715.9	713.8
62.5°	2464.0	1684.4	371.5	364.2	439.4	572.9	653.3	704.4	726.4	726.4	725.3
65°	2496.3	1704.2	350.7	329.8	396.6	527.0	634.5	678.3	705.5	712.8	710.7
67.5°	2458.7	1677.1	335.0	300.6	355.9	480.1	604.3	645.0	680.4	691.9	690.9
70°	2394.0	1655.2	322.5	270.3	320.4	430.0	574.0	617.8	653.3	673.1	671.0
72.5°	2253.2	1577.9	291.2	244.2	280.7	390.3	537.5	588.6	622.0	643.9	642.9
75°	1933.8	1387.0	243.2	220.2	237.9	351.7	497.8	555.2	579.2	600.1	599.0
77.5°	1425.6	1042.6	191.0	185.8	199.3	311.0	447.7	504.1	522.8	538.5	535.4
80°	751.4	610.5	150.3	152.4	164.9	268.2	397.6	440.4	456.1	464.4	458.1
82.5°	327.7	264.0	111.7	121.1	129.4	215.0	327.7	365.3	375.7	369.4	351.7
85°	104.4	72.0	66.8	79.3	87.7	143.0	254.6	283.9	301.6	282.8	278.6
87.5°	26.1	24.0	28.2	40.7	45.9	79.3	173.2	179.5	203.5	62.6	58.4
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)