

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: P1209562

Luminaire Tested: UPW-SA2-130-740-U-SLR

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-740-U-SLR
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATING
RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15552 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

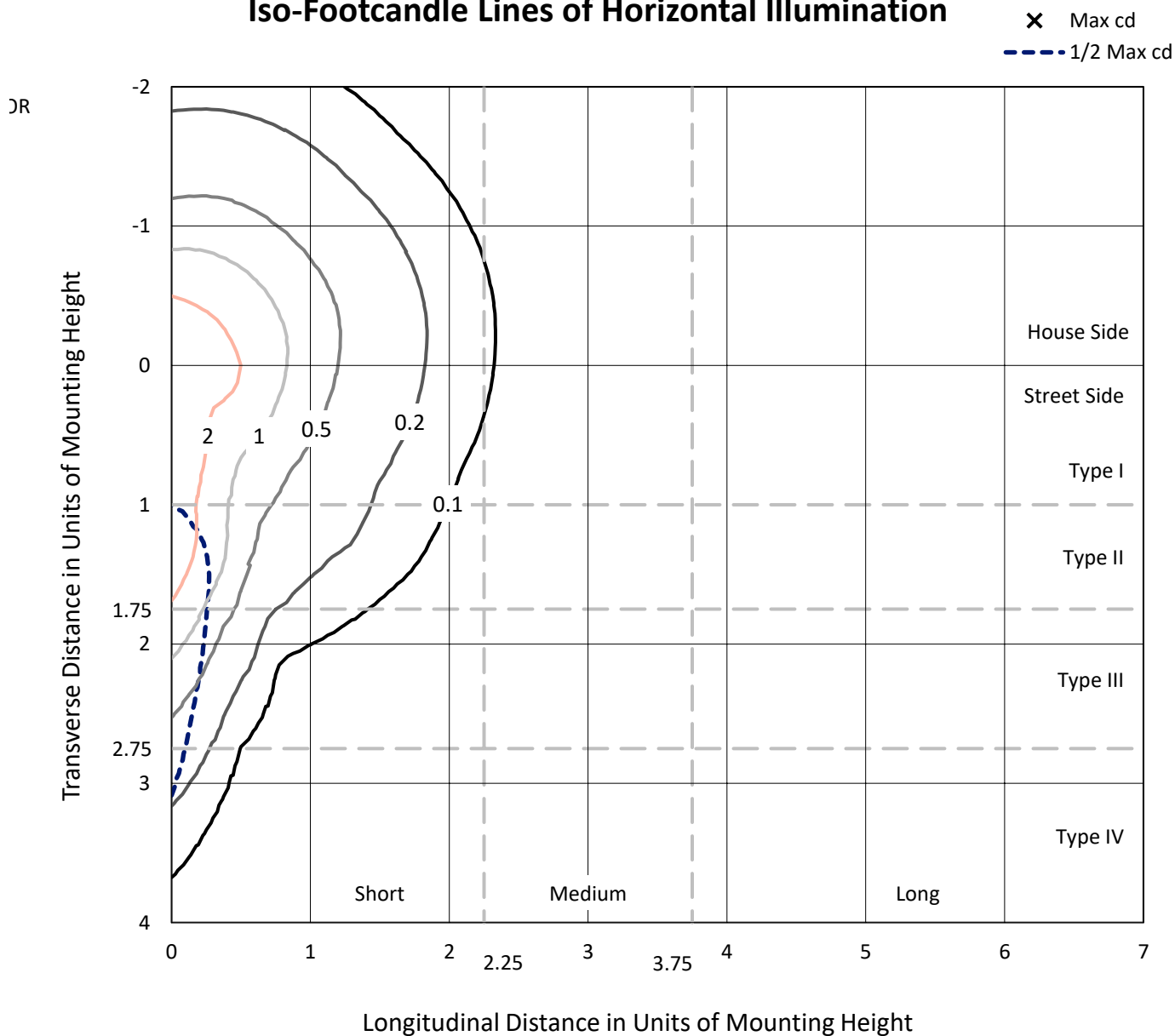
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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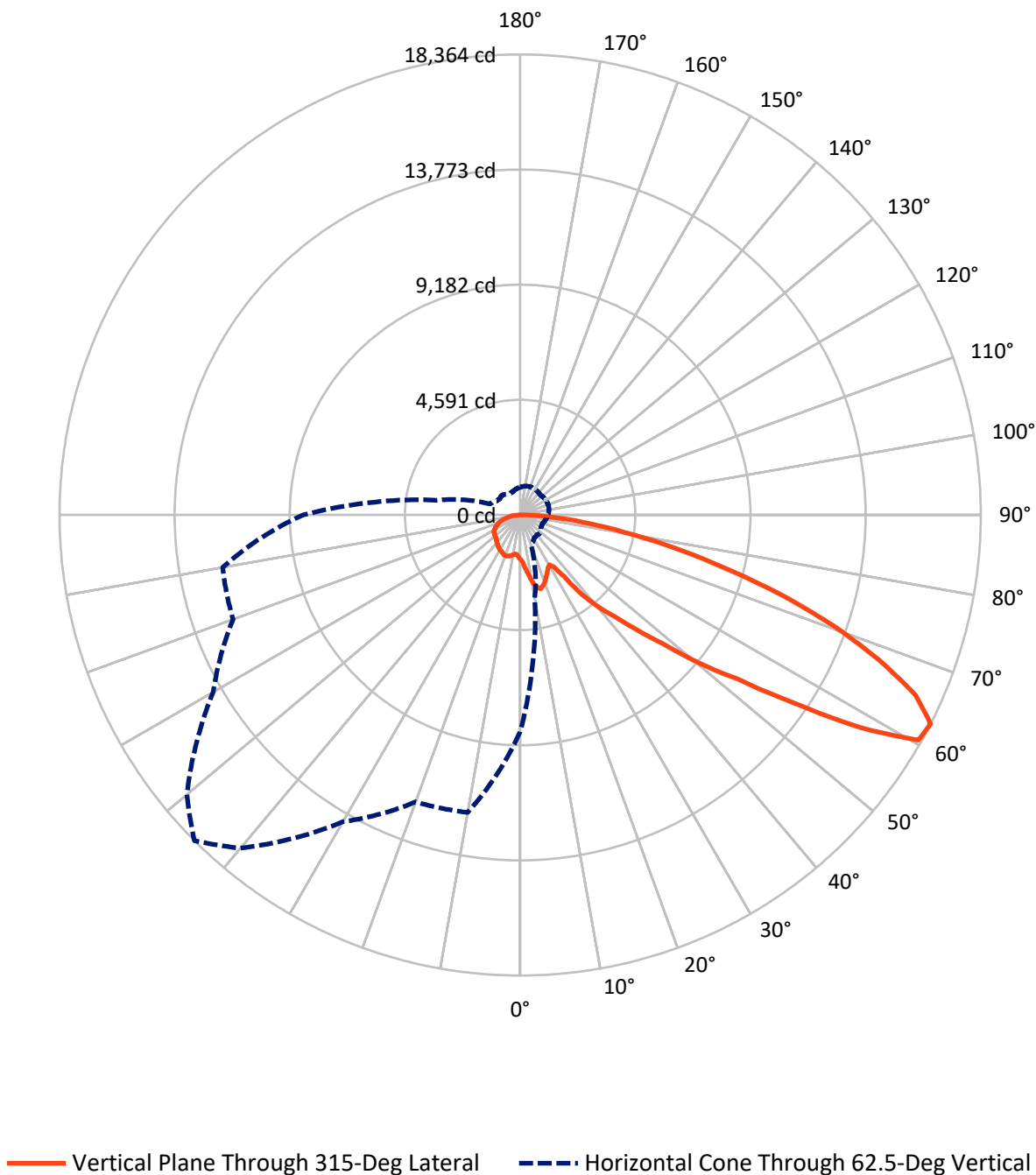
Iso-Footcandle Lines of Horizontal Illumination



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Luminous Intensity Polar Plot



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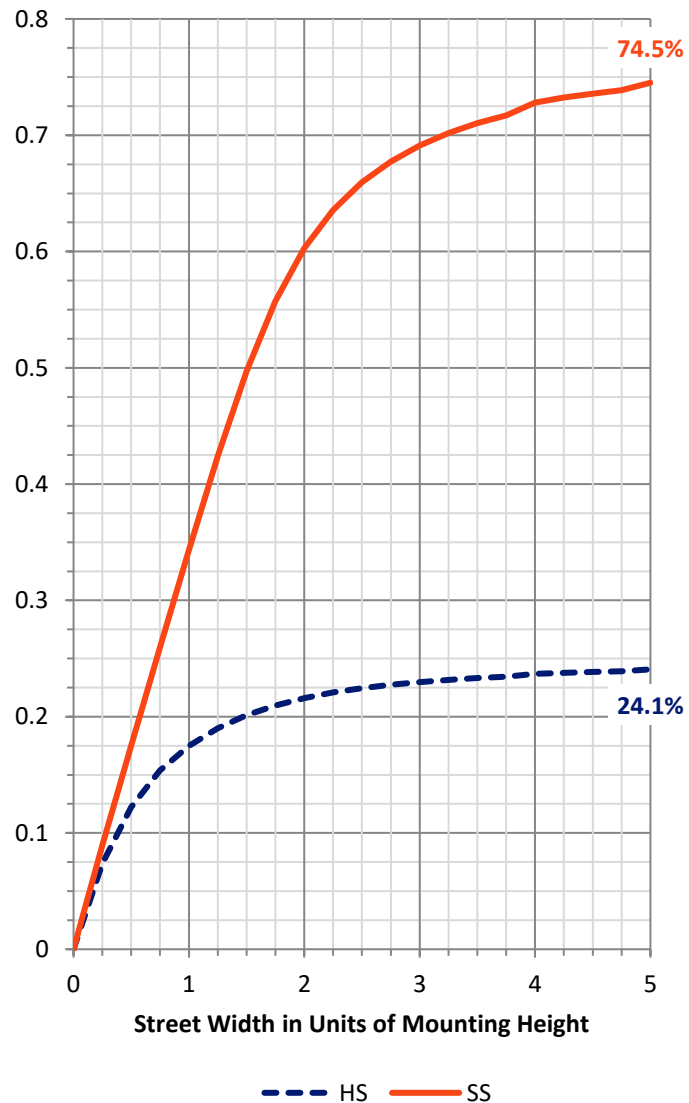
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3811.3	0.0	3811.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	11740.7	0.0	11740.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	15552.0	0.0	15552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	1.1
10°-20°	596.6	3.8
20°-30°	970.4	6.2
30°-40°	1323.6	8.5
40°-50°	2004.1	12.9
50°-60°	3446.2	22.2
60°-70°	4041.5	26.0
70°-80°	2410.4	15.5
80°-90°	582.2	3.7
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°	15552.0	100.0
0°-180°	15552.0	100.0

Coefficient of Utilization



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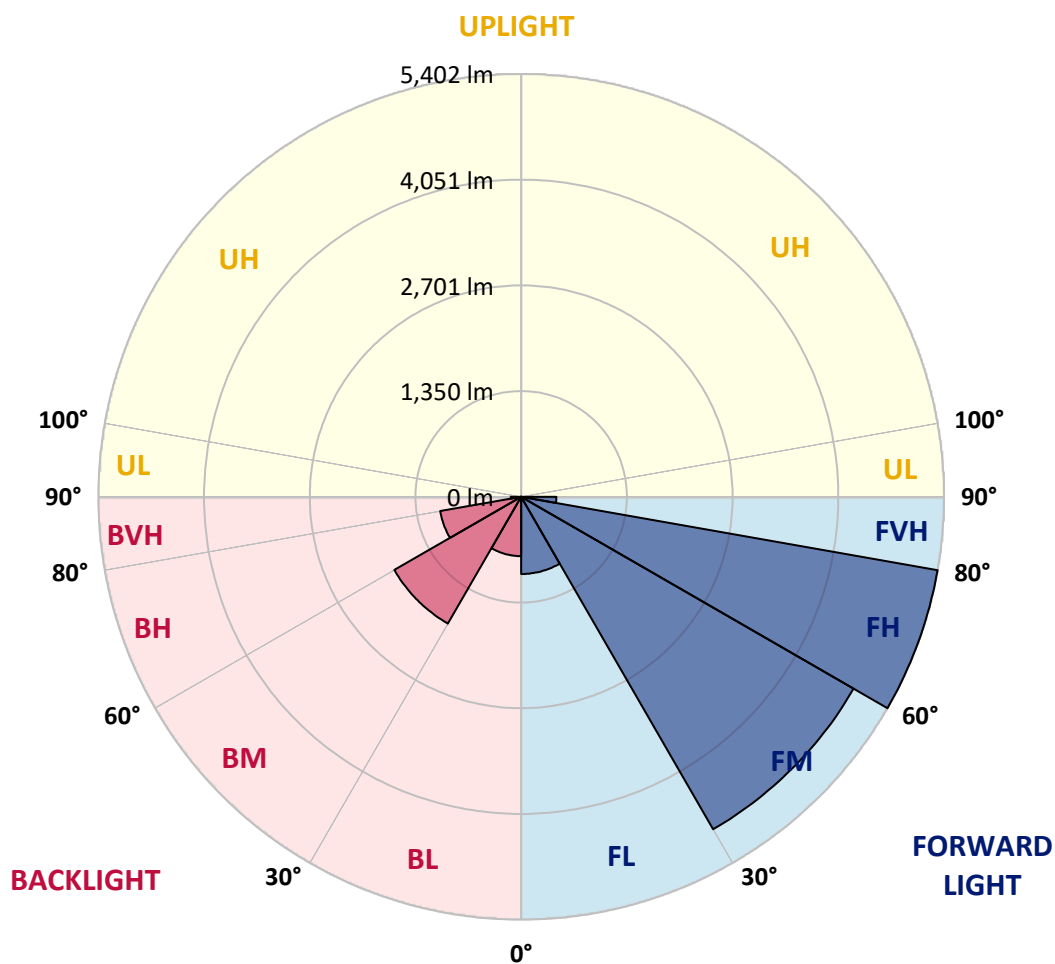
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	985.8	6.3			
FM	(30°-60°)	4903.3	31.5			
FH	(60°-80°)	5401.7	34.7			G3/7500
FVH	(80°-90°)	449.9	2.9			G3/500
BL	(0°-30°)	758.1	4.9	B2/1000		
BM	(30°-60°)	1870.6	12.0	B2/2500		
BH	(60°-80°)	1050.2	6.8	B3/2500		G3/2500
BVH	(80°-90°)	132.3	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1845.8	1840.9	1839.1	1832.7	1826.3	1814.6	1803.2	1795.0	1786.7	1777.1	1762.0
5°	1974.4	1959.9	1939.9	1911.6	1883.1	1856.4	1829.8	1807.3	1784.9	1764.9	1746.3
7.5°	2149.0	2083.7	2028.6	1983.2	1937.9	1894.8	1851.8	1818.8	1785.8	1754.5	1723.7
10°	2275.9	2221.9	2157.7	2080.6	2003.6	1943.4	1883.6	1846.8	1810.1	1781.4	1732.8
12.5°	2429.7	2346.5	2255.9	2162.8	2069.6	1993.8	1918.4	1865.0	1811.9	1771.9	1751.6
15°	2581.8	2480.5	2366.3	2243.6	2120.7	2024.8	1928.8	1867.6	1806.6	1764.9	1753.3
17.5°	2749.5	2601.3	2454.9	2309.6	2164.2	2039.4	1914.4	1842.6	1771.0	1730.2	1749.1
20°	2868.6	2718.9	2560.4	2384.2	2207.6	2050.5	1893.0	1806.5	1719.7	1679.8	1688.3
22.5°	2956.3	2800.1	2629.6	2425.4	2221.2	2034.8	1848.4	1750.3	1652.5	1612.9	1647.1
25°	3075.4	2888.4	2689.0	2451.4	2213.9	2001.5	1789.3	1689.3	1589.4	1556.4	1591.1
27.5°	3151.9	2983.4	2791.2	2523.7	2256.3	2009.8	1763.2	1652.5	1541.6	1506.0	1539.5
30°	3263.1	3089.8	2885.1	2585.3	2285.5	2014.5	1743.6	1627.1	1510.7	1472.1	1483.0
32.5°	3375.2	3188.4	2965.4	2625.2	2285.1	1991.4	1697.7	1588.4	1479.0	1444.3	1455.0
35°	3467.3	3283.8	3048.4	2661.9	2275.4	1958.5	1641.5	1541.4	1441.1	1414.7	1411.4
37.5°	3628.9	3409.6	3130.1	2690.4	2250.7	1909.7	1568.5	1473.0	1377.4	1358.2	1350.9
40°	3854.0	3612.8	3276.5	2755.1	2233.7	1862.4	1491.2	1398.9	1306.6	1300.0	1294.8
42.5°	4167.7	3835.2	3412.0	2816.6	2221.2	1823.2	1425.2	1336.7	1248.2	1235.7	1221.8
45°	4705.6	4194.8	3600.3	2900.9	2201.7	1791.7	1381.7	1292.7	1203.6	1167.1	1166.5
47.5°	5605.9	4797.0	3903.2	3035.4	2167.6	1759.0	1350.4	1269.8	1189.1	1131.4	1109.9
50°	6796.4	5658.9	4388.1	3273.0	2158.2	1747.0	1336.2	1262.1	1188.4	1103.6	1063.0
52.5°	7891.4	6410.6	4780.4	3455.1	2129.9	1717.0	1303.8	1246.8	1189.7	1105.4	1050.3
55°	8841.2	6915.5	4940.8	3502.8	2064.7	1654.9	1245.3	1224.2	1203.0	1153.2	1056.7
57.5°	9525.9	6989.0	4645.3	3279.8	1914.4	1562.3	1210.0	1196.8	1183.6	1184.4	1075.5
60°	9408.6	6554.3	3996.0	2794.3	1592.4	1388.7	1185.0	1145.2	1105.4	1143.6	1079.3
62.5°	8643.9	5835.1	3356.4	2322.1	1287.9	1191.2	1094.6	1062.8	1031.0	1075.8	1052.9
65°	7693.2	5036.7	2755.1	1889.2	1023.3	1004.2	985.1	978.1	971.2	982.8	995.9
67.5°	6600.0	4196.7	2197.2	1486.3	775.5	792.7	809.9	843.6	877.3	882.0	912.4
70°	5659.8	3439.0	1689.7	1154.7	619.6	643.1	666.5	716.4	766.5	790.8	818.1
72.5°	4537.9	2653.6	1237.5	871.1	504.9	525.2	545.7	602.2	658.7	711.7	741.1
75°	3338.7	1909.7	872.5	644.1	415.7	430.8	445.8	498.1	550.6	617.9	648.4
77.5°	2315.0	1315.3	608.6	474.5	340.3	347.6	354.9	402.5	450.1	529.2	561.0
80°	1276.6	757.1	392.8	327.6	262.4	267.5	272.5	312.1	351.9	422.3	459.4
82.5°	631.8	403.7	247.1	220.6	193.8	196.6	199.5	229.6	259.8	310.2	350.0
85°	248.5	182.5	138.7	131.4	124.3	125.8	127.2	146.2	165.1	196.4	236.7
87.5°	89.5	69.5	57.7	55.3	52.5	50.7	49.0	58.7	68.1	85.2	134.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1754.3	1746.7	1739.4	1731.9	1725.0	1718.0	1712.8	1707.6	1697.3	1687.2	1681.5
5°	1725.5	1704.6	1686.5	1668.5	1657.2	1645.9	1633.7	1621.5	1612.2	1602.8	1595.5
7.5°	1699.2	1674.6	1654.6	1634.6	1618.2	1602.1	1590.4	1579.0	1576.7	1574.6	1569.8
10°	1706.9	1681.0	1661.5	1642.1	1627.1	1612.5	1604.3	1596.3	1593.7	1591.1	1591.0
12.5°	1739.6	1727.6	1713.5	1699.4	1684.5	1669.9	1670.4	1671.1	1658.4	1645.9	1642.6
15°	1757.3	1761.5	1766.0	1770.7	1766.7	1762.7	1748.2	1733.6	1718.7	1703.6	1698.7
17.5°	1763.0	1776.6	1797.4	1818.3	1827.0	1835.7	1818.6	1801.4	1777.3	1753.3	1741.8
20°	1720.6	1752.8	1792.0	1831.5	1845.9	1860.5	1844.0	1827.5	1800.6	1773.6	1755.7
22.5°	1686.7	1726.2	1767.4	1808.4	1821.2	1833.9	1824.7	1815.3	1786.3	1757.1	1737.8
25°	1630.1	1668.8	1708.4	1748.1	1766.0	1784.1	1781.8	1779.7	1749.5	1719.2	1698.0
27.5°	1572.2	1605.0	1639.8	1674.6	1694.7	1715.1	1717.8	1720.6	1698.0	1675.4	1655.6
30°	1505.6	1528.0	1558.6	1588.9	1609.7	1630.6	1637.9	1645.0	1630.6	1616.3	1602.8
32.5°	1464.4	1473.8	1495.5	1517.3	1537.1	1556.9	1567.8	1579.0	1576.5	1574.3	1569.1
35°	1410.9	1410.4	1420.1	1430.0	1447.9	1466.0	1487.4	1508.6	1511.4	1514.1	1516.2
37.5°	1344.9	1338.6	1345.0	1351.3	1366.9	1382.6	1404.6	1426.9	1442.7	1458.5	1465.8
40°	1286.1	1277.4	1278.1	1278.8	1292.9	1307.0	1327.8	1348.7	1378.1	1407.4	1423.6
42.5°	1217.6	1213.5	1211.2	1208.8	1220.8	1232.6	1264.2	1295.7	1328.5	1361.2	1375.6
45°	1157.2	1147.9	1151.2	1154.4	1169.5	1184.4	1211.7	1239.2	1276.7	1314.3	1332.2
47.5°	1105.0	1100.2	1105.4	1110.6	1125.9	1141.0	1174.5	1207.9	1244.6	1281.2	1300.2
50°	1060.0	1057.0	1072.0	1086.6	1104.0	1121.4	1150.4	1179.2	1218.3	1257.4	1283.5
52.5°	1042.6	1035.0	1056.7	1078.4	1091.6	1105.0	1132.1	1159.2	1202.0	1244.8	1270.1
55°	1031.8	1007.2	1033.8	1060.2	1076.2	1092.3	1122.4	1152.3	1190.4	1228.4	1252.7
57.5°	1028.2	981.1	1007.2	1033.2	1061.0	1088.9	1119.3	1149.7	1188.6	1227.4	1248.2
60°	1024.4	969.5	984.6	999.7	1039.5	1079.3	1108.0	1136.6	1172.8	1208.8	1223.2
62.5°	1006.3	959.7	958.0	956.2	999.0	1041.4	1074.3	1107.1	1140.0	1172.8	1182.9
65°	965.5	935.0	921.5	908.1	945.6	983.4	1018.3	1053.2	1080.3	1107.5	1120.0
67.5°	895.8	879.1	868.6	858.2	894.9	931.6	958.5	985.4	1012.4	1039.3	1049.6
70°	820.3	822.4	814.8	806.8	833.9	860.7	895.2	929.8	944.8	959.7	965.5
72.5°	741.1	741.3	737.6	733.8	760.4	787.0	809.7	832.5	846.6	860.7	867.3
75°	651.4	654.4	651.9	649.7	672.4	695.2	716.1	736.9	752.2	767.3	771.3
77.5°	568.2	575.3	572.5	569.7	583.6	597.5	606.4	615.3	632.6	650.0	653.3
80°	469.8	480.0	479.3	478.3	484.9	491.5	493.8	496.2	509.1	521.7	525.2
82.5°	366.2	382.4	394.2	405.8	410.2	414.5	395.4	376.3	386.5	396.6	404.6
85°	266.6	296.3	318.1	339.8	326.9	314.2	264.9	215.5	235.0	254.6	267.7
87.5°	164.6	195.0	206.1	217.2	200.0	182.8	146.7	110.4	126.2	142.2	155.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1675.8	1673.9	1672.0	1676.1	1680.3	1685.9	1680.3	1676.1	1672.0	1673.9	1675.8
5°	1588.2	1585.1	1581.9	1583.0	1583.7	1583.3	1583.7	1583.0	1581.9	1585.1	1588.2
7.5°	1565.1	1564.5	1564.2	1565.6	1566.8	1560.7	1566.8	1565.6	1564.2	1564.5	1565.1
10°	1590.6	1595.5	1600.3	1604.3	1608.5	1605.9	1608.5	1604.3	1600.3	1595.5	1590.6
12.5°	1639.3	1645.5	1651.4	1653.7	1656.0	1651.1	1656.0	1653.7	1651.4	1645.5	1639.3
15°	1693.7	1693.2	1692.8	1690.7	1688.5	1685.9	1688.5	1690.7	1692.8	1693.2	1693.7
17.5°	1730.7	1725.7	1720.6	1718.2	1715.7	1718.9	1715.7	1718.2	1720.6	1725.7	1730.7
20°	1738.0	1735.4	1732.8	1732.6	1732.4	1731.0	1732.4	1732.6	1732.8	1735.4	1738.0
22.5°	1718.5	1710.4	1702.4	1705.8	1709.3	1720.6	1709.3	1705.8	1702.4	1710.4	1718.5
25°	1676.8	1672.8	1668.8	1667.8	1666.7	1661.5	1666.7	1667.8	1668.8	1672.8	1676.8
27.5°	1635.8	1632.3	1628.8	1633.4	1637.5	1640.7	1637.5	1633.4	1628.8	1632.3	1635.8
30°	1589.4	1590.1	1590.6	1597.4	1604.2	1616.3	1604.2	1597.4	1590.6	1590.1	1589.4
32.5°	1563.8	1556.9	1549.9	1552.2	1554.6	1564.2	1554.6	1552.2	1549.9	1556.9	1563.8
35°	1518.1	1518.1	1518.1	1523.9	1529.4	1541.6	1529.4	1523.9	1518.1	1518.1	1518.1
37.5°	1473.0	1478.7	1484.2	1486.7	1489.1	1489.5	1489.1	1486.7	1484.2	1478.7	1473.0
40°	1439.9	1440.6	1441.1	1437.7	1434.2	1435.6	1434.2	1437.7	1441.1	1440.6	1439.9
42.5°	1390.0	1396.3	1402.6	1404.1	1405.7	1409.5	1405.7	1404.1	1402.6	1396.3	1390.0
45°	1350.1	1353.2	1356.5	1355.6	1354.8	1350.4	1354.8	1355.6	1356.5	1353.2	1350.1
47.5°	1319.1	1321.9	1324.7	1327.0	1329.2	1333.0	1329.2	1327.0	1324.7	1321.9	1319.1
50°	1309.6	1308.7	1307.8	1300.9	1293.9	1291.3	1293.9	1300.9	1307.8	1308.7	1309.6
52.5°	1295.2	1297.4	1299.7	1295.7	1291.7	1293.1	1291.7	1295.7	1299.7	1297.4	1295.2
55°	1277.1	1279.5	1282.3	1274.6	1267.0	1261.8	1267.0	1274.6	1282.3	1279.5	1277.1
57.5°	1269.1	1264.4	1259.7	1253.8	1247.9	1249.6	1247.9	1253.8	1259.7	1264.4	1269.1
60°	1237.5	1231.9	1226.2	1213.3	1200.6	1190.5	1200.6	1213.3	1226.2	1231.9	1237.5
62.5°	1193.1	1187.7	1182.2	1167.8	1153.2	1134.9	1153.2	1167.8	1182.2	1187.7	1193.1
65°	1132.3	1123.4	1114.4	1100.0	1085.4	1075.8	1085.4	1100.0	1114.4	1123.4	1132.3
67.5°	1059.8	1049.9	1040.2	1021.1	1002.0	987.2	1002.0	1021.1	1040.2	1049.9	1059.8
70°	971.2	961.8	952.4	940.3	928.1	917.7	928.1	940.3	952.4	961.8	971.2
72.5°	873.9	863.4	853.0	836.7	820.3	809.9	820.3	836.7	853.0	863.4	873.9
75°	775.1	762.1	749.1	732.0	715.2	700.4	715.2	732.0	749.1	762.1	775.1
77.5°	656.6	646.7	637.0	621.2	605.2	590.9	605.2	621.2	637.0	646.7	656.6
80°	528.7	524.0	519.3	506.1	493.2	474.5	493.2	506.1	519.3	524.0	528.7
82.5°	412.3	410.2	408.1	397.1	386.2	370.2	386.2	397.1	408.1	410.2	412.3
85°	280.7	282.9	285.0	277.4	269.7	257.2	269.7	277.4	285.0	282.9	280.7
87.5°	168.2	159.7	151.2	133.8	116.4	97.3	116.4	133.8	151.2	159.7	168.2
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: P1209562

CATALOG NUMBER: UPW-SA2-130-740-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1681.5	1687.2	1697.3	1707.6	1712.8	1718.0	1725.0	1731.9	1739.4	1746.7	1754.3
5°	1595.5	1602.8	1612.2	1621.5	1633.7	1645.9	1657.2	1668.5	1686.5	1704.6	1725.5
7.5°	1569.8	1574.6	1576.7	1579.0	1590.4	1602.1	1618.2	1634.6	1654.6	1674.6	1699.2
10°	1591.0	1591.1	1593.7	1596.3	1604.3	1612.5	1627.1	1642.1	1661.5	1681.0	1706.9
12.5°	1642.6	1645.9	1658.4	1671.1	1670.4	1669.9	1684.5	1699.4	1713.5	1727.6	1739.6
15°	1698.7	1703.6	1718.7	1733.6	1748.2	1762.7	1766.7	1770.7	1766.0	1761.5	1757.3
17.5°	1741.8	1753.3	1777.3	1801.4	1818.6	1835.7	1827.0	1818.3	1797.4	1776.6	1763.0
20°	1755.7	1773.6	1800.6	1827.5	1844.0	1860.5	1845.9	1831.5	1792.0	1752.8	1720.6
22.5°	1737.8	1757.1	1786.3	1815.3	1824.7	1833.9	1821.2	1808.4	1767.4	1726.2	1686.7
25°	1698.0	1719.2	1749.5	1779.7	1781.8	1784.1	1766.0	1748.1	1708.4	1668.8	1630.1
27.5°	1655.6	1675.4	1698.0	1720.6	1717.8	1715.1	1694.7	1674.6	1639.8	1605.0	1572.2
30°	1602.8	1616.3	1630.6	1645.0	1637.9	1630.6	1609.7	1588.9	1558.6	1528.0	1505.6
32.5°	1569.1	1574.3	1576.5	1579.0	1567.8	1556.9	1537.1	1517.3	1495.5	1473.8	1464.4
35°	1516.2	1514.1	1511.4	1508.6	1487.4	1466.0	1447.9	1430.0	1420.1	1410.4	1410.9
37.5°	1465.8	1458.5	1442.7	1426.9	1404.6	1382.6	1366.9	1351.3	1345.0	1338.6	1344.9
40°	1423.6	1407.4	1378.1	1348.7	1327.8	1307.0	1292.9	1278.8	1278.1	1277.4	1286.1
42.5°	1375.6	1361.2	1328.5	1295.7	1264.2	1232.6	1220.8	1208.8	1211.2	1213.5	1217.6
45°	1332.2	1314.3	1276.7	1239.2	1211.7	1184.4	1169.5	1154.4	1151.2	1147.9	1157.2
47.5°	1300.2	1281.2	1244.6	1207.9	1174.5	1141.0	1125.9	1110.6	1105.4	1100.2	1105.0
50°	1283.5	1257.4	1218.3	1179.2	1150.4	1121.4	1104.0	1086.6	1072.0	1057.0	1060.0
52.5°	1270.1	1244.8	1202.0	1159.2	1132.1	1105.0	1091.6	1078.4	1056.7	1035.0	1042.6
55°	1252.7	1228.4	1190.4	1152.3	1122.4	1092.3	1076.2	1060.2	1033.8	1007.2	1031.8
57.5°	1248.2	1227.4	1188.6	1149.7	1119.3	1088.9	1061.0	1033.2	1007.2	981.1	1028.2
60°	1223.2	1208.8	1172.8	1136.6	1108.0	1079.3	1039.5	999.7	984.6	969.5	1024.4
62.5°	1182.9	1172.8	1140.0	1107.1	1074.3	1041.4	999.0	956.2	958.0	959.7	1006.3
65°	1120.0	1107.5	1080.3	1053.2	1018.3	983.4	945.6	908.1	921.5	935.0	965.5
67.5°	1049.6	1039.3	1012.4	985.4	958.5	931.6	894.9	858.2	868.6	879.1	895.8
70°	965.5	959.7	944.8	929.8	895.2	860.7	833.9	806.8	814.8	822.4	820.3
72.5°	867.3	860.7	846.6	832.5	809.7	787.0	760.4	733.8	737.6	741.3	741.1
75°	771.3	767.3	752.2	736.9	716.1	695.2	672.4	649.7	651.9	654.4	651.4
77.5°	653.3	650.0	632.6	615.3	606.4	597.5	583.6	569.7	572.5	575.3	568.2
80°	525.2	521.7	509.1	496.2	493.8	491.5	484.9	478.3	479.3	480.0	469.8
82.5°	404.6	396.6	386.5	376.3	395.4	414.5	410.2	405.8	394.2	382.4	366.2
85°	267.7	254.6	235.0	215.5	264.9	314.2	326.9	339.8	318.1	296.3	266.6
87.5°	155.0	142.2	126.2	110.4	146.7	182.8	200.0	217.2	206.1	195.0	164.6
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: P1209562

CATALOG NUMBER: UPW-SA2-130-740-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1762.0	1777.1	1786.7	1795.0	1803.2	1814.6	1826.3	1832.7	1839.1	1840.9	1845.8
5°	1746.3	1764.9	1784.9	1807.3	1829.8	1856.4	1883.1	1911.6	1939.9	1959.9	1974.4
7.5°	1723.7	1754.5	1785.8	1818.8	1851.8	1894.8	1937.9	1983.2	2028.6	2083.7	2149.0
10°	1732.8	1781.4	1810.1	1846.8	1883.6	1943.4	2003.6	2080.6	2157.7	2221.9	2275.9
12.5°	1751.6	1771.9	1811.9	1865.0	1918.4	1993.8	2069.6	2162.8	2255.9	2346.5	2429.7
15°	1753.3	1764.9	1806.6	1867.6	1928.8	2024.8	2120.7	2243.6	2366.3	2480.5	2581.8
17.5°	1749.1	1730.2	1771.0	1842.6	1914.4	2039.4	2164.2	2309.6	2454.9	2601.3	2749.5
20°	1688.3	1679.8	1719.7	1806.5	1893.0	2050.5	2207.6	2384.2	2560.4	2718.9	2868.6
22.5°	1647.1	1612.9	1652.5	1750.3	1848.4	2034.8	2221.2	2425.4	2629.6	2800.1	2956.3
25°	1591.1	1556.4	1589.4	1689.3	1789.3	2001.5	2213.9	2451.4	2689.0	2888.4	3075.4
27.5°	1539.5	1506.0	1541.6	1652.5	1763.2	2009.8	2256.3	2523.7	2791.2	2983.4	3151.9
30°	1483.0	1472.1	1510.7	1627.1	1743.6	2014.5	2285.5	2585.3	2885.1	3089.8	3263.1
32.5°	1455.0	1444.3	1479.0	1588.4	1697.7	1991.4	2285.1	2625.2	2965.4	3188.4	3375.2
35°	1411.4	1414.7	1441.1	1541.4	1641.5	1958.5	2275.4	2661.9	3048.4	3283.8	3467.3
37.5°	1350.9	1358.2	1377.4	1473.0	1568.5	1909.7	2250.7	2690.4	3130.1	3409.6	3628.9
40°	1294.8	1300.0	1306.6	1398.9	1491.2	1862.4	2233.7	2755.1	3276.5	3612.8	3854.0
42.5°	1221.8	1235.7	1248.2	1336.7	1425.2	1823.2	2221.2	2816.6	3412.0	3835.2	4167.7
45°	1166.5	1167.1	1203.6	1292.7	1381.7	1791.7	2201.7	2900.9	3600.3	4194.8	4705.6
47.5°	1109.9	1131.4	1189.1	1269.8	1350.4	1759.0	2167.6	3035.4	3903.2	4797.0	5605.9
50°	1063.0	1103.6	1188.4	1262.1	1336.2	1747.0	2158.2	3273.0	4388.1	5658.9	6796.4
52.5°	1050.3	1105.4	1189.7	1246.8	1303.8	1717.0	2129.9	3455.1	4780.4	6410.6	7891.4
55°	1056.7	1153.2	1203.0	1224.2	1245.3	1654.9	2064.7	3502.8	4940.8	6915.5	8841.2
57.5°	1075.5	1184.4	1183.6	1196.8	1210.0	1562.3	1914.4	3279.8	4645.3	6989.0	9525.9
60°	1079.3	1143.6	1105.4	1145.2	1185.0	1388.7	1592.4	2794.3	3996.0	6554.3	9408.6
62.5°	1052.9	1075.8	1031.0	1062.8	1094.6	1191.2	1287.9	2322.1	3356.4	5835.1	8643.9
65°	995.9	982.8	971.2	978.1	985.1	1004.2	1023.3	1889.2	2755.1	5036.7	7693.2
67.5°	912.4	882.0	877.3	843.6	809.9	792.7	775.5	1486.3	2197.2	4196.7	6600.0
70°	818.1	790.8	766.5	716.4	666.5	643.1	619.6	1154.7	1689.7	3439.0	5659.8
72.5°	741.1	711.7	658.7	602.2	545.7	525.2	504.9	871.1	1237.5	2653.6	4537.9
75°	648.4	617.9	550.6	498.1	445.8	430.8	415.7	644.1	872.5	1909.7	3338.7
77.5°	561.0	529.2	450.1	402.5	354.9	347.6	340.3	474.5	608.6	1315.3	2315.0
80°	459.4	422.3	351.9	312.1	272.5	267.5	262.4	327.6	392.8	757.1	1276.6
82.5°	350.0	310.2	259.8	229.6	199.5	196.6	193.8	220.6	247.1	403.7	631.8
85°	236.7	196.4	165.1	146.2	127.2	125.8	124.3	131.4	138.7	182.5	248.5
87.5°	134.2	85.2	68.1	58.7	49.0	50.7	52.5	55.3	57.7	69.5	89.5
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: P1209562

CATALOG NUMBER: UPW-SA2-130-740-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1853.6	1861.4	1864.7	1868.0	1871.1	1874.4	1876.9	1879.5	1873.6	1879.5	1876.9
5°	1998.7	2023.0	2044.1	2065.1	2081.1	2096.9	2104.7	2112.7	2125.6	2112.7	2104.7
7.5°	2182.2	2215.6	2261.3	2307.2	2338.3	2369.2	2382.8	2396.3	2400.2	2396.3	2382.8
10°	2361.1	2446.2	2496.8	2547.6	2584.6	2621.8	2653.6	2685.5	2721.7	2685.5	2653.6
12.5°	2526.7	2623.5	2696.5	2769.5	2816.4	2863.3	2894.8	2926.4	2937.2	2926.4	2894.8
15°	2687.6	2793.3	2861.8	2930.3	2966.8	3003.3	3018.9	3034.5	3053.7	3034.5	3018.9
17.5°	2828.8	2908.0	2953.2	2998.4	3000.0	3001.5	2981.9	2962.2	2958.1	2962.2	2981.9
20°	2934.1	2999.8	3000.6	3001.5	2962.4	2923.3	2889.2	2855.4	2839.9	2855.4	2889.2
22.5°	3001.3	3046.4	3000.0	2953.7	2866.8	2779.9	2730.6	2681.2	2667.8	2681.2	2730.6
25°	3082.3	3089.3	2994.9	2900.7	2779.4	2658.3	2595.0	2531.6	2516.6	2531.6	2595.0
27.5°	3130.0	3107.9	2964.8	2821.6	2679.3	2537.1	2465.0	2392.9	2372.4	2392.9	2465.0
30°	3183.7	3104.1	2919.7	2735.3	2592.0	2448.8	2388.5	2328.2	2309.8	2328.2	2388.5
32.5°	3242.7	3110.1	2912.5	2714.7	2615.0	2515.2	2498.9	2482.4	2469.7	2482.4	2498.9
35°	3318.5	3169.8	3020.8	2872.0	2887.2	2902.5	2956.0	3009.7	3008.5	3009.7	2956.0
37.5°	3476.7	3324.4	3299.8	3275.3	3467.3	3659.3	3813.5	3967.5	4047.8	3967.5	3813.5
40°	3747.1	3640.2	3729.4	3818.4	4085.3	4352.3	4534.8	4717.3	4850.7	4717.3	4534.8
42.5°	4106.9	4046.1	4157.5	4268.9	4561.9	4854.6	5103.4	5352.0	5539.0	5352.0	5103.4
45°	4642.9	4580.0	4633.1	4686.0	5052.7	5419.4	5809.1	6198.7	6527.9	6198.7	5809.1
47.5°	5459.9	5313.9	5269.4	5224.8	5718.9	6213.0	6782.3	7352.1	7690.6	7352.1	6782.3
50°	6568.2	6340.2	6132.0	5924.0	6621.1	7318.3	8147.7	8977.1	9326.1	8977.1	8147.7
52.5°	7681.9	7472.5	7106.7	6740.8	7565.8	8391.0	9468.1	10545.1	10879.8	10545.1	9468.1
55°	8928.8	9016.4	8521.4	8026.4	8941.8	9857.0	11236.8	12616.4	13207.0	12616.4	11236.8
57.5°	10304.9	11084.1	10555.0	10026.1	10880.5	11734.9	13374.9	15015.1	16003.5	15015.1	13374.9
60°	10970.0	12531.3	12296.5	12061.7	12791.6	13521.6	15301.0	17080.5	18235.0	17080.5	15301.0
62.5°	10343.2	12042.6	12108.8	12175.0	13149.8	14124.7	15733.4	17342.1	18363.6	17342.1	15733.4
65°	9292.7	10892.0	10990.2	11088.4	12215.5	13342.6	14920.5	16498.4	17322.6	16498.4	14920.5
67.5°	8263.3	9926.6	9985.8	10045.3	11075.4	12105.5	13525.8	14946.1	15419.5	14946.1	13525.8
70°	7244.1	8828.7	8958.5	9088.3	9987.9	10887.1	11938.8	12990.5	13260.9	12990.5	11938.8
72.5°	6131.5	7725.0	7923.5	8122.0	8781.0	9439.9	10175.3	10910.4	10885.1	10910.4	10175.3
75°	4832.0	6325.4	6600.0	6874.6	7278.7	7682.8	8071.1	8459.5	8349.3	8459.5	8071.1
77.5°	3522.7	4730.5	5021.2	5312.2	5597.2	5882.2	6156.0	6429.7	6256.8	6429.7	6156.0
80°	2137.0	2997.7	3325.0	3652.4	3950.3	4248.0	4389.3	4530.4	4239.0	4530.4	4389.3
82.5°	1112.3	1592.9	1918.6	2244.1	2546.0	2847.7	2936.2	3024.5	2746.0	3024.5	2936.2
85°	489.8	730.8	974.0	1216.9	1454.7	1692.5	1701.5	1710.7	1510.3	1710.7	1701.5
87.5°	188.1	286.8	411.9	537.0	664.8	792.5	788.0	783.3	646.5	783.3	788.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: UPW-SA2-130-740-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1874.4	1871.1	1868.0	1864.7	1861.4	1853.6	1845.8
5°	2096.9	2081.1	2065.1	2044.1	2023.0	1998.7	1974.4
7.5°	2369.2	2338.3	2307.2	2261.3	2215.6	2182.2	2149.0
10°	2621.8	2584.6	2547.6	2496.8	2446.2	2361.1	2275.9
12.5°	2863.3	2816.4	2769.5	2696.5	2623.5	2526.7	2429.7
15°	3003.3	2966.8	2930.3	2861.8	2793.3	2687.6	2581.8
17.5°	3001.5	3000.0	2998.4	2953.2	2908.0	2828.8	2749.5
20°	2923.3	2962.4	3001.5	3000.6	2999.8	2934.1	2868.6
22.5°	2779.9	2866.8	2953.7	3000.0	3046.4	3001.3	2956.3
25°	2658.3	2779.4	2900.7	2994.9	3089.3	3082.3	3075.4
27.5°	2537.1	2679.3	2821.6	2964.8	3107.9	3130.0	3151.9
30°	2448.8	2592.0	2735.3	2919.7	3104.1	3183.7	3263.1
32.5°	2515.2	2615.0	2714.7	2912.5	3110.1	3242.7	3375.2
35°	2902.5	2887.2	2872.0	3020.8	3169.8	3318.5	3467.3
37.5°	3659.3	3467.3	3275.3	3299.8	3324.4	3476.7	3628.9
40°	4352.3	4085.3	3818.4	3729.4	3640.2	3747.1	3854.0
42.5°	4854.6	4561.9	4268.9	4157.5	4046.1	4106.9	4167.7
45°	5419.4	5052.7	4686.0	4633.1	4580.0	4642.9	4705.6
47.5°	6213.0	5718.9	5224.8	5269.4	5313.9	5459.9	5605.9
50°	7318.3	6621.1	5924.0	6132.0	6340.2	6568.2	6796.4
52.5°	8391.0	7565.8	6740.8	7106.7	7472.5	7681.9	7891.4
55°	9857.0	8941.8	8026.4	8521.4	9016.4	8928.8	8841.2
57.5°	11734.9	10880.5	10026.1	10555.0	11084.1	10304.9	9525.9
60°	13521.6	12791.6	12061.7	12296.5	12531.3	10970.0	9408.6
62.5°	14124.7	13149.8	12175.0	12108.8	12042.6	10343.2	8643.9
65°	13342.6	12215.5	11088.4	10990.2	10892.0	9292.7	7693.2
67.5°	12105.5	11075.4	10045.3	9985.8	9926.6	8263.3	6600.0
70°	10887.1	9987.9	9088.3	8958.5	8828.7	7244.1	5659.8
72.5°	9439.9	8781.0	8122.0	7923.5	7725.0	6131.5	4537.9
75°	7682.8	7278.7	6874.6	6600.0	6325.4	4832.0	3338.7
77.5°	5882.2	5597.2	5312.2	5021.2	4730.5	3522.7	2315.0
80°	4248.0	3950.3	3652.4	3325.0	2997.7	2137.0	1276.6
82.5°	2847.7	2546.0	2244.1	1918.6	1592.9	1112.3	631.8
85°	1692.5	1454.7	1216.9	974.0	730.8	489.8	248.5
87.5°	792.5	664.8	537.0	411.9	286.8	188.1	89.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)