

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: P1208993

Luminaire Tested: UPW-SA2-090-727-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-727-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR
LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9579 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 86
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

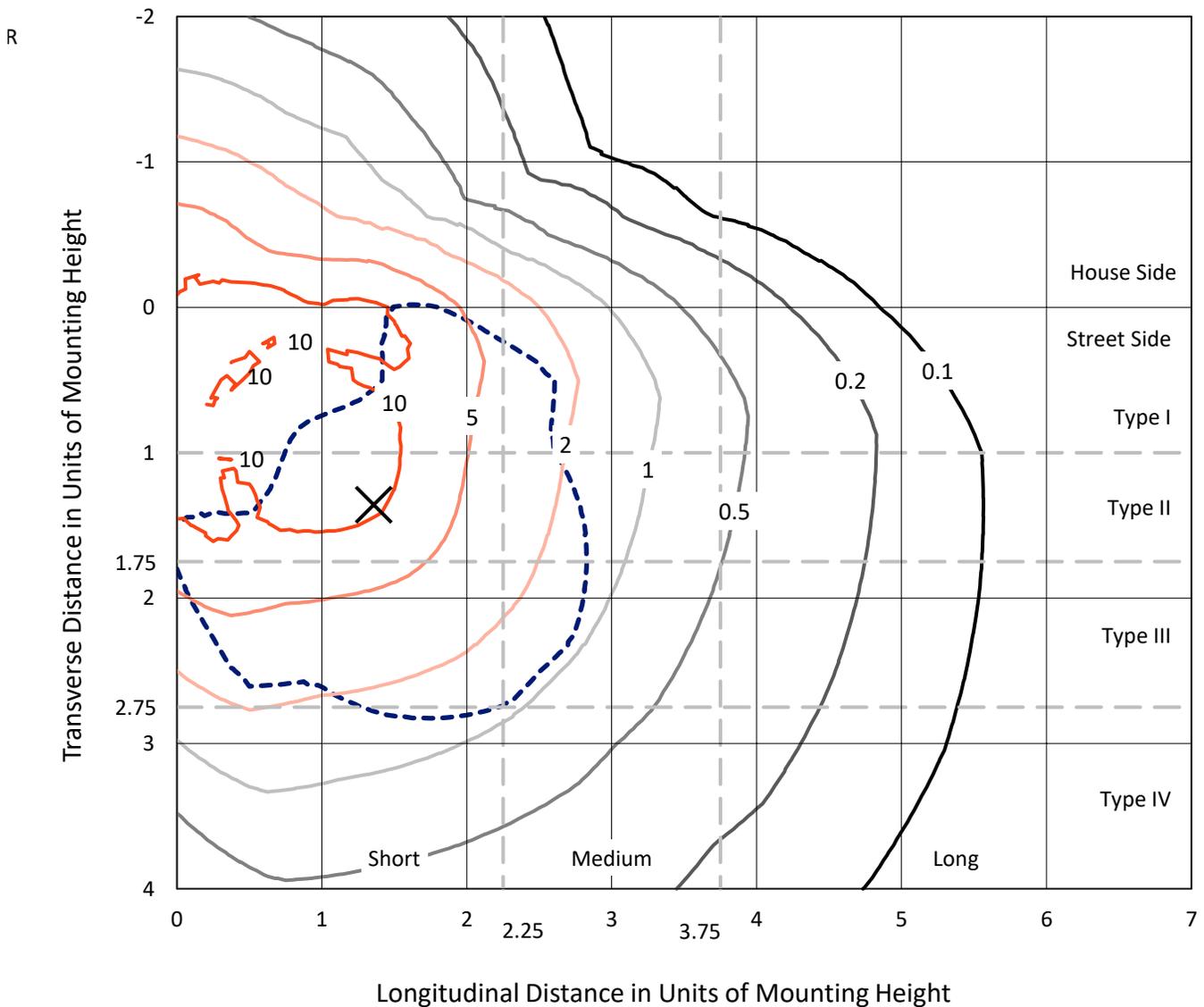


REPORT NUMBER: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

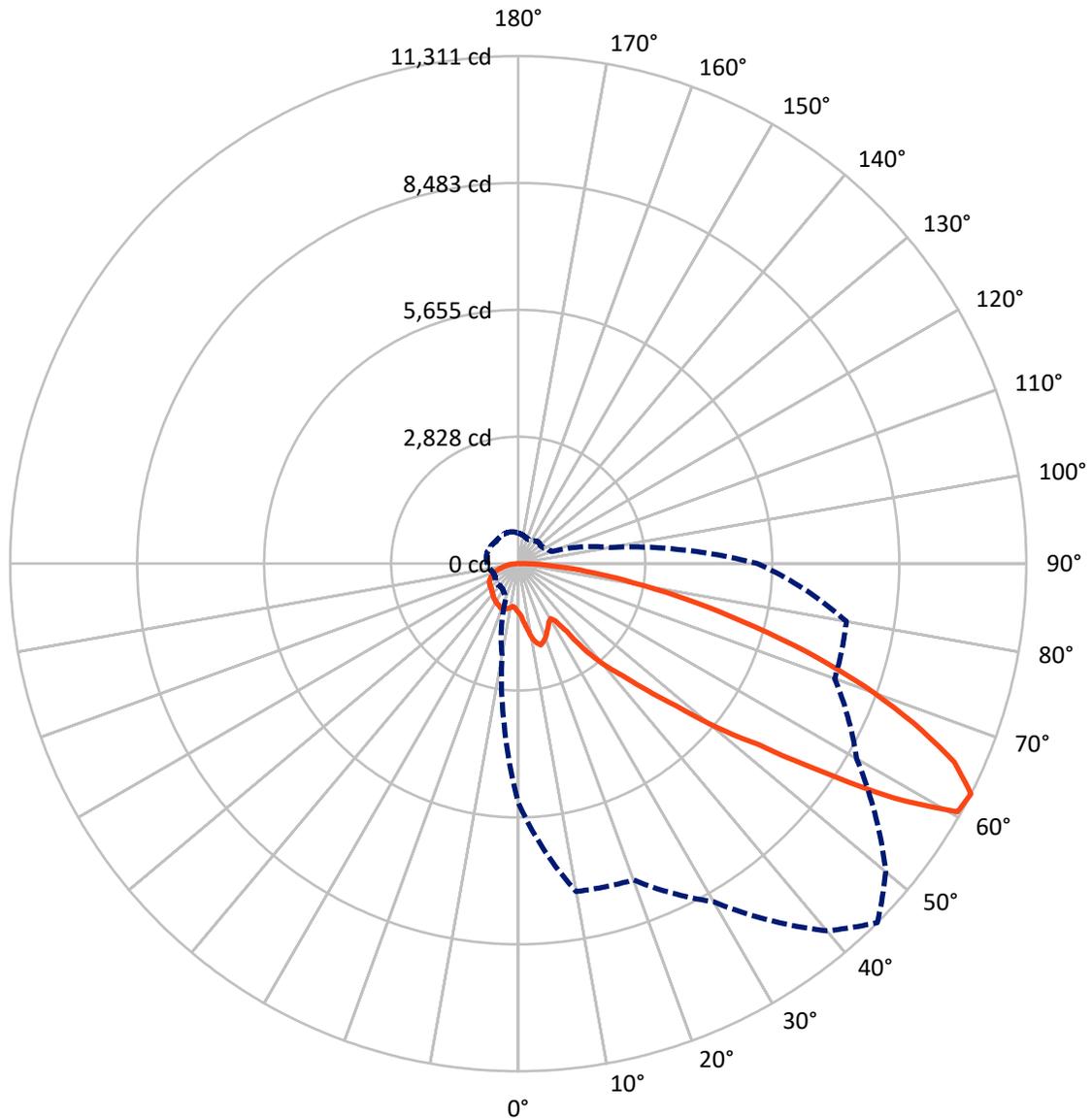


Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2347.5	0.0	2347.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7231.5	0.0	7231.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	9579.0	0.0	9579.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	1.1
10°-20°	367.5	3.8
20°-30°	597.7	6.2
30°-40°	815.2	8.5
40°-50°	1234.4	12.9
50°-60°	2122.7	22.2
60°-70°	2489.3	26.0
70°-80°	1484.6	15.5
80°-90°	358.6	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°	9579.0	100.0
0°-180°	9579.0	100.0



REPORT NUMBER: P1208993

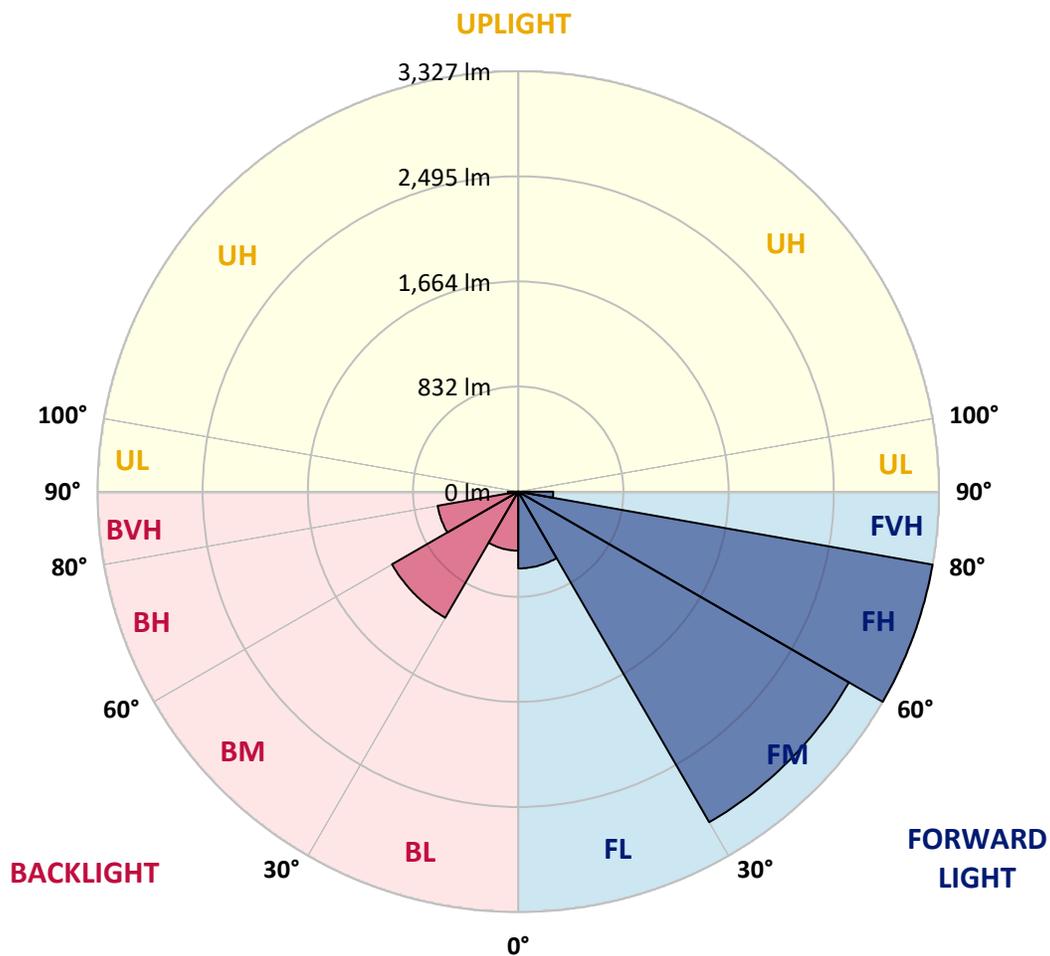
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.2	6.3			
FM	(30°-60°)	3020.1	31.5			
FH	(60°-80°)	3327.1	34.7			G2/5000
FVH	(80°-90°)	277.1	2.9			G3/500
BL	(0°-30°)	467.0	4.9	B1/500		
BM	(30°-60°)	1152.2	12.0	B2/2500		
BH	(60°-80°)	646.9	6.8	B2/1000		G2/1000
BVH	(80°-90°)	81.5	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





REPORT NUMBER: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1136.9	1141.7	1146.5	1148.5	1150.6	1152.5	1154.5	1156.0	1157.6	1154.0	1157.6
5°	1216.1	1231.1	1246.0	1259.0	1272.0	1281.8	1291.5	1296.4	1301.3	1309.2	1301.3
7.5°	1323.7	1344.1	1364.7	1392.8	1421.1	1440.2	1459.3	1467.6	1476.0	1478.3	1476.0
10°	1401.8	1454.3	1506.7	1537.9	1569.1	1591.9	1614.8	1634.4	1654.1	1676.4	1654.1
12.5°	1496.5	1556.3	1615.9	1660.9	1705.8	1734.7	1763.6	1783.0	1802.5	1809.1	1802.5
15°	1590.2	1655.4	1720.5	1762.7	1804.8	1827.3	1849.8	1859.4	1869.1	1880.8	1869.1
17.5°	1693.5	1742.3	1791.1	1819.0	1846.8	1847.8	1848.7	1836.6	1824.5	1822.0	1824.5
20°	1766.8	1807.2	1847.7	1848.2	1848.7	1824.6	1800.6	1779.6	1758.7	1749.2	1758.7
22.5°	1820.9	1848.6	1876.4	1847.8	1819.3	1765.8	1712.2	1681.8	1651.4	1643.2	1651.4
25°	1894.2	1898.5	1902.8	1844.7	1786.6	1711.9	1637.3	1598.3	1559.3	1550.1	1559.3
27.5°	1941.3	1927.8	1914.2	1826.1	1737.9	1650.3	1562.7	1518.3	1473.8	1461.2	1473.8
30°	2009.8	1960.9	1911.9	1798.3	1684.7	1596.5	1508.3	1471.2	1434.0	1422.7	1434.0
32.5°	2078.9	1997.3	1915.6	1793.9	1672.1	1610.7	1549.2	1539.1	1529.0	1521.2	1529.0
35°	2135.6	2044.0	1952.4	1860.6	1769.0	1778.3	1787.7	1820.7	1853.8	1853.0	1853.8
37.5°	2235.2	2141.4	2047.6	2032.4	2017.3	2135.6	2253.9	2348.9	2443.7	2493.2	2443.7
40°	2373.8	2308.0	2242.1	2297.1	2351.9	2516.3	2680.7	2793.1	2905.5	2987.7	2905.5
42.5°	2567.0	2529.6	2492.1	2560.7	2629.3	2809.8	2990.1	3143.4	3296.5	3411.6	3296.5
45°	2898.3	2859.7	2821.0	2853.7	2886.3	3112.1	3338.0	3578.0	3818.0	4020.8	3818.0
47.5°	3452.9	3362.9	3273.0	3245.6	3218.1	3522.4	3826.8	4177.5	4528.4	4736.9	4528.4
50°	4186.1	4045.6	3905.1	3776.9	3648.8	4078.1	4507.6	5018.5	5529.3	5744.2	5529.3
52.5°	4860.6	4731.6	4602.6	4377.2	4151.9	4660.1	5168.3	5831.7	6495.1	6701.3	6495.1
55°	5445.6	5499.5	5553.5	5248.6	4943.7	5507.6	6071.3	6921.1	7770.9	8134.6	7770.9
57.5°	5867.4	6347.1	6827.0	6501.2	6175.4	6701.7	7227.9	8238.1	9248.3	9857.1	9248.3
60°	5795.1	6756.8	7718.4	7573.8	7429.2	7878.8	8328.4	9424.4	10520.4	11231.6	10520.4
62.5°	5324.1	6370.7	7417.4	7458.2	7499.0	8099.4	8699.9	9690.7	10681.6	11310.8	10681.6
65°	4738.5	5723.7	6708.8	6769.2	6829.7	7523.9	8218.1	9190.0	10161.9	10669.6	10161.9
67.5°	4065.2	5089.6	6114.1	6150.6	6187.2	6821.7	7456.2	8331.0	9205.8	9497.4	9205.8
70°	3486.0	4461.9	5437.9	5517.8	5597.8	6151.9	6705.8	7353.5	8001.3	8167.8	8001.3
72.5°	2795.0	3776.6	4758.1	4880.4	5002.6	5408.5	5814.4	6267.3	6720.1	6704.5	6720.1
75°	2056.4	2976.2	3896.0	4065.2	4234.3	4483.2	4732.1	4971.2	5210.5	5142.6	5210.5
77.5°	1425.9	2169.8	2913.7	3092.8	3272.0	3447.5	3623.1	3791.7	3960.3	3853.8	3960.3
80°	786.3	1316.3	1846.4	2048.0	2249.6	2433.1	2616.5	2703.5	2790.4	2610.9	2790.4
82.5°	389.1	685.1	981.1	1181.7	1382.2	1568.2	1754.0	1808.5	1862.9	1691.4	1862.9
85°	153.1	301.7	450.1	599.9	749.6	896.0	1042.4	1048.0	1053.7	930.3	1053.7
87.5°	55.1	115.8	176.6	253.7	330.8	409.5	488.1	485.4	482.5	398.2	482.5
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: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1156.0	1154.5	1152.5	1150.6	1148.5	1146.5	1141.7	1136.9	1133.9	1132.8	1128.8
5°	1296.4	1291.5	1281.8	1272.0	1259.0	1246.0	1231.1	1216.1	1207.2	1194.9	1177.4
7.5°	1467.6	1459.3	1440.2	1421.1	1392.8	1364.7	1344.1	1323.7	1283.4	1249.5	1221.5
10°	1634.4	1614.8	1591.9	1569.1	1537.9	1506.7	1454.3	1401.8	1368.5	1329.0	1281.5
12.5°	1783.0	1763.6	1734.7	1705.8	1660.9	1615.9	1556.3	1496.5	1445.3	1389.5	1332.1
15°	1859.4	1849.8	1827.3	1804.8	1762.7	1720.5	1655.4	1590.2	1527.8	1457.5	1381.9
17.5°	1836.6	1848.7	1847.8	1846.8	1819.0	1791.1	1742.3	1693.5	1602.2	1512.1	1422.6
20°	1779.6	1800.6	1824.6	1848.7	1848.2	1847.7	1807.2	1766.8	1674.7	1577.0	1468.5
22.5°	1681.8	1712.2	1765.8	1819.3	1847.8	1876.4	1848.6	1820.9	1724.7	1619.7	1493.9
25°	1598.3	1637.3	1711.9	1786.6	1844.7	1902.8	1898.5	1894.2	1779.0	1656.3	1509.9
27.5°	1518.3	1562.7	1650.3	1737.9	1826.1	1914.2	1927.8	1941.3	1837.6	1719.2	1554.5
30°	1471.2	1508.3	1596.5	1684.7	1798.3	1911.9	1960.9	2009.8	1903.1	1777.0	1592.4
32.5°	1539.1	1549.2	1610.7	1672.1	1793.9	1915.6	1997.3	2078.9	1963.8	1826.5	1617.0
35°	1820.7	1787.7	1778.3	1769.0	1860.6	1952.4	2044.0	2135.6	2022.6	1877.6	1639.6
37.5°	2348.9	2253.9	2135.6	2017.3	2032.4	2047.6	2141.4	2235.2	2100.1	1928.0	1657.1
40°	2793.1	2680.7	2516.3	2351.9	2297.1	2242.1	2308.0	2373.8	2225.2	2018.1	1696.9
42.5°	3143.4	2990.1	2809.8	2629.3	2560.7	2492.1	2529.6	2567.0	2362.2	2101.6	1734.8
45°	3578.0	3338.0	3112.1	2886.3	2853.7	2821.0	2859.7	2898.3	2583.7	2217.5	1786.8
47.5°	4177.5	3826.8	3522.4	3218.1	3245.6	3273.0	3362.9	3452.9	2954.7	2404.1	1869.6
50°	5018.5	4507.6	4078.1	3648.8	3776.9	3905.1	4045.6	4186.1	3485.5	2702.8	2015.9
52.5°	5831.7	5168.3	4660.1	4151.9	4377.2	4602.6	4731.6	4860.6	3948.5	2944.4	2128.1
55°	6921.1	6071.3	5507.6	4943.7	5248.6	5553.5	5499.5	5445.6	4259.5	3043.2	2157.5
57.5°	8238.1	7227.9	6701.7	6175.4	6501.2	6827.0	6347.1	5867.4	4304.8	2861.2	2020.1
60°	9424.4	8328.4	7878.8	7429.2	7573.8	7718.4	6756.8	5795.1	4037.0	2461.3	1721.1
62.5°	9690.7	8699.9	8099.4	7499.0	7458.2	7417.4	6370.7	5324.1	3594.1	2067.3	1430.3
65°	9190.0	8218.1	7523.9	6829.7	6769.2	6708.8	5723.7	4738.5	3102.3	1696.9	1163.6
67.5°	8331.0	7456.2	6821.7	6187.2	6150.6	6114.1	5089.6	4065.2	2584.9	1353.3	915.5
70°	7353.5	6705.8	6151.9	5597.8	5517.8	5437.9	4461.9	3486.0	2118.2	1040.7	711.2
72.5°	6267.3	5814.4	5408.5	5002.6	4880.4	4758.1	3776.6	2795.0	1634.4	762.2	536.5
75°	4971.2	4732.1	4483.2	4234.3	4065.2	3896.0	2976.2	2056.4	1176.3	537.4	396.7
77.5°	3791.7	3623.1	3447.5	3272.0	3092.8	2913.7	2169.8	1425.9	810.1	374.9	292.2
80°	2703.5	2616.5	2433.1	2249.6	2048.0	1846.4	1316.3	786.3	466.3	241.9	201.8
82.5°	1808.5	1754.0	1568.2	1382.2	1181.7	981.1	685.1	389.1	248.7	152.2	135.8
85°	1048.0	1042.4	896.0	749.6	599.9	450.1	301.7	153.1	112.4	85.4	80.9
87.5°	485.4	488.1	409.5	330.8	253.7	176.6	115.8	55.1	42.8	35.5	34.0
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: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1124.9	1117.7	1110.6	1105.6	1100.5	1094.6	1085.3	1080.6	1075.8	1071.3	1066.7
5°	1159.9	1143.4	1127.0	1113.2	1099.4	1087.1	1075.6	1062.8	1049.9	1038.8	1027.7
7.5°	1193.6	1167.0	1140.6	1120.3	1099.9	1080.7	1061.7	1046.6	1031.4	1019.1	1006.8
10°	1234.1	1197.0	1160.2	1137.5	1114.9	1097.3	1067.3	1051.3	1035.4	1023.4	1011.4
12.5°	1274.7	1228.1	1181.6	1148.7	1116.0	1091.4	1078.8	1071.5	1064.1	1055.4	1046.7
15°	1306.2	1247.1	1188.0	1150.3	1112.8	1087.1	1079.9	1082.4	1084.9	1087.7	1090.6
17.5°	1333.0	1256.1	1179.1	1134.9	1090.8	1065.7	1077.3	1085.9	1094.3	1107.1	1119.9
20°	1359.7	1263.0	1166.0	1112.7	1059.2	1034.6	1039.9	1059.8	1079.6	1103.8	1128.1
22.5°	1368.1	1253.3	1138.5	1078.1	1017.8	993.4	1014.5	1038.9	1063.2	1088.6	1113.8
25°	1363.6	1232.8	1102.1	1040.5	979.0	958.6	980.0	1004.0	1027.9	1052.3	1076.7
27.5°	1389.7	1237.9	1086.0	1017.8	949.5	927.6	948.2	968.4	988.6	1010.0	1031.4
30°	1407.7	1240.8	1073.9	1002.2	930.5	906.7	913.4	927.4	941.2	960.0	978.6
32.5°	1407.5	1226.6	1045.7	978.3	911.0	889.6	896.2	902.0	907.8	921.2	934.5
35°	1401.5	1206.3	1011.1	949.4	887.6	871.4	869.3	869.0	868.7	874.7	880.8
37.5°	1386.3	1176.3	966.1	907.2	848.4	836.6	832.1	828.3	824.5	828.5	832.3
40°	1375.8	1147.1	918.5	861.6	804.8	800.7	797.5	792.2	786.8	787.2	787.7
42.5°	1368.1	1122.9	877.8	823.3	768.8	761.1	752.6	750.0	747.4	746.0	744.5
45°	1356.1	1103.6	851.0	796.2	741.3	718.8	718.5	712.7	707.1	709.1	711.0
47.5°	1335.1	1083.4	831.8	782.1	732.4	696.9	683.6	680.6	677.6	680.8	684.0
50°	1329.3	1076.1	823.0	777.4	732.0	679.8	654.7	652.9	651.1	660.3	669.3
52.5°	1311.9	1057.5	803.1	768.0	732.7	680.8	646.9	642.2	637.5	650.9	664.2
55°	1271.7	1019.3	767.0	754.1	741.0	710.3	650.9	635.5	620.3	636.7	653.0
57.5°	1179.1	962.3	745.3	737.1	729.0	729.5	662.4	633.3	604.3	620.3	636.4
60°	980.8	855.3	729.9	705.3	680.8	704.4	664.8	630.9	597.1	606.4	615.7
62.5°	793.2	733.7	674.2	654.6	635.0	662.6	648.5	619.8	591.1	590.1	589.0
65°	630.3	618.5	606.8	602.5	598.2	605.4	613.4	594.7	575.9	567.6	559.3
67.5°	477.7	488.3	498.8	519.6	540.4	543.3	562.0	551.7	541.5	535.0	528.6
70°	381.6	396.1	410.5	441.3	472.1	487.1	503.9	505.3	506.6	501.8	496.9
72.5°	311.0	323.5	336.1	370.9	405.7	438.4	456.5	456.5	456.6	454.3	452.0
75°	256.1	265.4	274.6	306.8	339.1	380.6	399.4	401.2	403.0	401.5	400.1
77.5°	209.6	214.1	218.6	247.9	277.3	326.0	345.6	349.9	354.3	352.6	350.9
80°	161.6	164.7	167.9	192.3	216.8	260.1	282.9	289.4	295.7	295.2	294.6
82.5°	119.4	121.1	122.9	141.4	160.0	191.1	215.6	225.6	235.5	242.8	250.0
85°	76.5	77.5	78.4	90.0	101.7	121.0	145.8	164.2	182.5	195.9	209.3
87.5°	32.3	31.3	30.2	36.2	42.0	52.5	82.6	101.4	120.1	127.0	133.8
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: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1062.5	1058.2	1055.0	1051.8	1045.4	1039.2	1035.7	1032.2	1031.0	1029.8	1032.4
5°	1020.7	1013.8	1006.3	998.8	993.0	987.2	982.7	978.2	976.3	974.4	975.0
7.5°	996.7	986.8	979.6	972.5	971.1	969.9	966.9	964.0	963.7	963.4	964.3
10°	1002.2	993.2	988.2	983.2	981.6	980.0	979.9	979.7	982.7	985.7	988.2
12.5°	1037.5	1028.5	1028.8	1029.3	1021.5	1013.8	1011.7	1009.7	1013.5	1017.2	1018.6
15°	1088.2	1085.7	1076.8	1067.8	1058.6	1049.3	1046.3	1043.2	1042.9	1042.7	1041.4
17.5°	1125.3	1130.7	1120.2	1109.6	1094.7	1079.9	1072.8	1066.0	1062.9	1059.8	1058.3
20°	1137.0	1146.0	1135.8	1125.6	1109.0	1092.4	1081.4	1070.5	1068.9	1067.3	1067.2
22.5°	1121.8	1129.6	1123.9	1118.1	1100.2	1082.3	1070.4	1058.5	1053.5	1048.5	1050.7
25°	1087.7	1098.9	1097.5	1096.2	1077.6	1058.9	1045.9	1032.8	1030.3	1027.9	1027.2
27.5°	1043.8	1056.4	1058.1	1059.8	1045.9	1032.0	1019.7	1007.5	1005.4	1003.3	1006.0
30°	991.5	1004.3	1008.8	1013.2	1004.3	995.6	987.2	979.0	979.4	979.7	983.9
32.5°	946.7	958.9	965.7	972.5	971.0	969.6	966.4	963.2	958.9	954.7	956.1
35°	891.8	903.0	916.1	929.2	930.9	932.6	933.9	935.1	935.1	935.1	938.6
37.5°	841.9	851.6	865.2	878.9	888.6	898.4	902.9	907.2	910.8	914.2	915.7
40°	796.3	805.0	817.9	830.7	848.8	866.9	876.8	886.9	887.3	887.6	885.5
42.5°	751.9	759.2	778.7	798.0	818.3	838.4	847.3	856.2	860.0	863.9	864.8
45°	720.3	729.5	746.3	763.3	786.4	809.5	820.5	831.6	833.5	835.5	835.0
47.5°	693.5	702.8	723.4	744.0	766.6	789.2	800.8	812.5	814.2	815.9	817.3
50°	680.0	690.7	708.6	726.3	750.4	774.5	790.6	806.6	806.1	805.5	801.3
52.5°	672.4	680.6	697.3	714.0	740.4	766.7	782.3	797.7	799.1	800.5	798.0
55°	662.8	672.8	691.3	709.7	733.2	756.6	771.6	786.6	788.1	789.8	785.1
57.5°	653.5	670.7	689.4	708.1	732.1	756.0	768.8	781.7	778.8	775.9	772.3
60°	640.3	664.8	682.4	700.1	722.4	744.5	753.4	762.2	758.8	755.2	747.3
62.5°	615.3	641.4	661.7	681.9	702.1	722.4	728.6	734.9	731.6	728.1	719.3
65°	582.5	605.7	627.2	648.7	665.4	682.1	689.8	697.4	692.0	686.4	677.5
67.5°	551.2	573.8	590.4	607.0	623.6	640.2	646.5	652.8	646.7	640.7	628.9
70°	513.6	530.1	551.4	572.7	581.9	591.1	594.7	598.2	592.4	586.6	579.1
72.5°	468.3	484.7	498.7	512.8	521.4	530.1	534.2	538.2	531.8	525.4	515.3
75°	414.2	428.2	441.0	453.9	463.3	472.6	475.1	477.4	469.4	461.4	450.9
77.5°	359.5	368.0	373.5	379.0	389.7	400.4	402.4	404.4	398.3	392.3	382.6
80°	298.7	302.7	304.1	305.6	313.5	321.4	323.5	325.6	322.8	319.9	311.7
82.5°	252.6	255.3	243.5	231.8	238.1	244.3	249.2	253.9	252.6	251.4	244.6
85°	201.4	193.5	163.1	132.7	144.7	156.8	164.9	172.9	174.3	175.6	170.9
87.5°	123.2	112.6	90.3	68.0	77.7	87.6	95.5	103.6	98.4	93.1	82.4
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: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1034.9	1038.4	1034.9	1032.4	1029.8	1031.0	1032.2	1035.7	1039.2	1045.4	1051.8
5°	975.4	975.2	975.4	975.0	974.4	976.3	978.2	982.7	987.2	993.0	998.8
7.5°	965.0	961.3	965.0	964.3	963.4	963.7	964.0	966.9	969.9	971.1	972.5
10°	990.7	989.1	990.7	988.2	985.7	982.7	979.7	979.9	980.0	981.6	983.2
12.5°	1020.0	1017.0	1020.0	1018.6	1017.2	1013.5	1009.7	1011.7	1013.8	1021.5	1029.3
15°	1040.0	1038.4	1040.0	1041.4	1042.7	1042.9	1043.2	1046.3	1049.3	1058.6	1067.8
17.5°	1056.8	1058.7	1056.8	1058.3	1059.8	1062.9	1066.0	1072.8	1079.9	1094.7	1109.6
20°	1067.1	1066.2	1067.1	1067.2	1067.3	1068.9	1070.5	1081.4	1092.4	1109.0	1125.6
22.5°	1052.8	1059.8	1052.8	1050.7	1048.5	1053.5	1058.5	1070.4	1082.3	1100.2	1118.1
25°	1026.6	1023.4	1026.6	1027.2	1027.9	1030.3	1032.8	1045.9	1058.9	1077.6	1096.2
27.5°	1008.6	1010.5	1008.6	1006.0	1003.3	1005.4	1007.5	1019.7	1032.0	1045.9	1059.8
30°	988.1	995.6	988.1	983.9	979.7	979.4	979.0	987.2	995.6	1004.3	1013.2
32.5°	957.6	963.4	957.6	956.1	954.7	958.9	963.2	966.4	969.6	971.0	972.5
35°	942.0	949.5	942.0	938.6	935.1	935.1	935.1	933.9	932.6	930.9	929.2
37.5°	917.2	917.4	917.2	915.7	914.2	910.8	907.2	902.9	898.4	888.6	878.9
40°	883.4	884.2	883.4	885.5	887.6	887.3	886.9	876.8	866.9	848.8	830.7
42.5°	865.8	868.2	865.8	864.8	863.9	860.0	856.2	847.3	838.4	818.3	798.0
45°	834.4	831.8	834.4	835.0	835.5	833.5	831.6	820.5	809.5	786.4	763.3
47.5°	818.7	821.1	818.7	817.3	815.9	814.2	812.5	800.8	789.2	766.6	744.0
50°	797.0	795.4	797.0	801.3	805.5	806.1	806.6	790.6	774.5	750.4	726.3
52.5°	795.6	796.4	795.6	798.0	800.5	799.1	797.7	782.3	766.7	740.4	714.0
55°	780.4	777.2	780.4	785.1	789.8	788.1	786.6	771.6	756.6	733.2	709.7
57.5°	768.6	769.7	768.6	772.3	775.9	778.8	781.7	768.8	756.0	732.1	708.1
60°	739.5	733.3	739.5	747.3	755.2	758.8	762.2	753.4	744.5	722.4	700.1
62.5°	710.3	699.0	710.3	719.3	728.1	731.6	734.9	728.6	722.4	702.1	681.9
65°	668.5	662.6	668.5	677.5	686.4	692.0	697.4	689.8	682.1	665.4	648.7
67.5°	617.1	608.0	617.1	628.9	640.7	646.7	652.8	646.5	640.2	623.6	607.0
70°	571.6	565.2	571.6	579.1	586.6	592.4	598.2	594.7	591.1	581.9	572.7
72.5°	505.3	498.8	505.3	515.3	525.4	531.8	538.2	534.2	530.1	521.4	512.8
75°	440.5	431.4	440.5	450.9	461.4	469.4	477.4	475.1	472.6	463.3	453.9
77.5°	372.7	364.0	372.7	382.6	392.3	398.3	404.4	402.4	400.4	389.7	379.0
80°	303.8	292.2	303.8	311.7	319.9	322.8	325.6	323.5	321.4	313.5	305.6
82.5°	237.9	228.0	237.9	244.6	251.4	252.6	253.9	249.2	244.3	238.1	231.8
85°	166.1	158.4	166.1	170.9	175.6	174.3	172.9	164.9	156.8	144.7	132.7
87.5°	71.7	59.9	71.7	82.4	93.1	98.4	103.6	95.5	87.6	77.7	68.0
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: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1055.0	1058.2	1062.5	1066.7	1071.3	1075.8	1080.6	1085.3	1094.6	1100.5	1105.6
5°	1006.3	1013.8	1020.7	1027.7	1038.8	1049.9	1062.8	1075.6	1087.1	1099.4	1113.2
7.5°	979.6	986.8	996.7	1006.8	1019.1	1031.4	1046.6	1061.7	1080.7	1099.9	1120.3
10°	988.2	993.2	1002.2	1011.4	1023.4	1035.4	1051.3	1067.3	1097.3	1114.9	1137.5
12.5°	1028.8	1028.5	1037.5	1046.7	1055.4	1064.1	1071.5	1078.8	1091.4	1116.0	1148.7
15°	1076.8	1085.7	1088.2	1090.6	1087.7	1084.9	1082.4	1079.9	1087.1	1112.8	1150.3
17.5°	1120.2	1130.7	1125.3	1119.9	1107.1	1094.3	1085.9	1077.3	1065.7	1090.8	1134.9
20°	1135.8	1146.0	1137.0	1128.1	1103.8	1079.6	1059.8	1039.9	1034.6	1059.2	1112.7
22.5°	1123.9	1129.6	1121.8	1113.8	1088.6	1063.2	1038.9	1014.5	993.4	1017.8	1078.1
25°	1097.5	1098.9	1087.7	1076.7	1052.3	1027.9	1004.0	980.0	958.6	979.0	1040.5
27.5°	1058.1	1056.4	1043.8	1031.4	1010.0	988.6	968.4	948.2	927.6	949.5	1017.8
30°	1008.8	1004.3	991.5	978.6	960.0	941.2	927.4	913.4	906.7	930.5	1002.2
32.5°	965.7	958.9	946.7	934.5	921.2	907.8	902.0	896.2	889.6	911.0	978.3
35°	916.1	903.0	891.8	880.8	874.7	868.7	869.0	869.3	871.4	887.6	949.4
37.5°	865.2	851.6	841.9	832.3	828.5	824.5	828.3	832.1	836.6	848.4	907.2
40°	817.9	805.0	796.3	787.7	787.2	786.8	792.2	797.5	800.7	804.8	861.6
42.5°	778.7	759.2	751.9	744.5	746.0	747.4	750.0	752.6	761.1	768.8	823.3
45°	746.3	729.5	720.3	711.0	709.1	707.1	712.7	718.5	718.8	741.3	796.2
47.5°	723.4	702.8	693.5	684.0	680.8	677.6	680.6	683.6	696.9	732.4	782.1
50°	708.6	690.7	680.0	669.3	660.3	651.1	652.9	654.7	679.8	732.0	777.4
52.5°	697.3	680.6	672.4	664.2	650.9	637.5	642.2	646.9	680.8	732.7	768.0
55°	691.3	672.8	662.8	653.0	636.7	620.3	635.5	650.9	710.3	741.0	754.1
57.5°	689.4	670.7	653.5	636.4	620.3	604.3	633.3	662.4	729.5	729.0	737.1
60°	682.4	664.8	640.3	615.7	606.4	597.1	630.9	664.8	704.4	680.8	705.3
62.5°	661.7	641.4	615.3	589.0	590.1	591.1	619.8	648.5	662.6	635.0	654.6
65°	627.2	605.7	582.5	559.3	567.6	575.9	594.7	613.4	605.4	598.2	602.5
67.5°	590.4	573.8	551.2	528.6	535.0	541.5	551.7	562.0	543.3	540.4	519.6
70°	551.4	530.1	513.6	496.9	501.8	506.6	505.3	503.9	487.1	472.1	441.3
72.5°	498.7	484.7	468.3	452.0	454.3	456.6	456.5	456.5	438.4	405.7	370.9
75°	441.0	428.2	414.2	400.1	401.5	403.0	401.2	399.4	380.6	339.1	306.8
77.5°	373.5	368.0	359.5	350.9	352.6	354.3	349.9	345.6	326.0	277.3	247.9
80°	304.1	302.7	298.7	294.6	295.2	295.7	289.4	282.9	260.1	216.8	192.3
82.5°	243.5	255.3	252.6	250.0	242.8	235.5	225.6	215.6	191.1	160.0	141.4
85°	163.1	193.5	201.4	209.3	195.9	182.5	164.2	145.8	121.0	101.7	90.0
87.5°	90.3	112.6	123.2	133.8	127.0	120.1	101.4	82.6	52.5	42.0	36.2
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: P1208993

CATALOG NUMBER: UPW-SA2-090-727-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1110.6	1117.7	1124.9	1128.8	1132.8	1133.9	1136.9
5°	1127.0	1143.4	1159.9	1177.4	1194.9	1207.2	1216.1
7.5°	1140.6	1167.0	1193.6	1221.5	1249.5	1283.4	1323.7
10°	1160.2	1197.0	1234.1	1281.5	1329.0	1368.5	1401.8
12.5°	1181.6	1228.1	1274.7	1332.1	1389.5	1445.3	1496.5
15°	1188.0	1247.1	1306.2	1381.9	1457.5	1527.8	1590.2
17.5°	1179.1	1256.1	1333.0	1422.6	1512.1	1602.2	1693.5
20°	1166.0	1263.0	1359.7	1468.5	1577.0	1674.7	1766.8
22.5°	1138.5	1253.3	1368.1	1493.9	1619.7	1724.7	1820.9
25°	1102.1	1232.8	1363.6	1509.9	1656.3	1779.0	1894.2
27.5°	1086.0	1237.9	1389.7	1554.5	1719.2	1837.6	1941.3
30°	1073.9	1240.8	1407.7	1592.4	1777.0	1903.1	2009.8
32.5°	1045.7	1226.6	1407.5	1617.0	1826.5	1963.8	2078.9
35°	1011.1	1206.3	1401.5	1639.6	1877.6	2022.6	2135.6
37.5°	966.1	1176.3	1386.3	1657.1	1928.0	2100.1	2235.2
40°	918.5	1147.1	1375.8	1696.9	2018.1	2225.2	2373.8
42.5°	877.8	1122.9	1368.1	1734.8	2101.6	2362.2	2567.0
45°	851.0	1103.6	1356.1	1786.8	2217.5	2583.7	2898.3
47.5°	831.8	1083.4	1335.1	1869.6	2404.1	2954.7	3452.9
50°	823.0	1076.1	1329.3	2015.9	2702.8	3485.5	4186.1
52.5°	803.1	1057.5	1311.9	2128.1	2944.4	3948.5	4860.6
55°	767.0	1019.3	1271.7	2157.5	3043.2	4259.5	5445.6
57.5°	745.3	962.3	1179.1	2020.1	2861.2	4304.8	5867.4
60°	729.9	855.3	980.8	1721.1	2461.3	4037.0	5795.1
62.5°	674.2	733.7	793.2	1430.3	2067.3	3594.1	5324.1
65°	606.8	618.5	630.3	1163.6	1696.9	3102.3	4738.5
67.5°	498.8	488.3	477.7	915.5	1353.3	2584.9	4065.2
70°	410.5	396.1	381.6	711.2	1040.7	2118.2	3486.0
72.5°	336.1	323.5	311.0	536.5	762.2	1634.4	2795.0
75°	274.6	265.4	256.1	396.7	537.4	1176.3	2056.4
77.5°	218.6	214.1	209.6	292.2	374.9	810.1	1425.9
80°	167.9	164.7	161.6	201.8	241.9	466.3	786.3
82.5°	122.9	121.1	119.4	135.8	152.2	248.7	389.1
85°	78.4	77.5	76.5	80.9	85.4	112.4	153.1
87.5°	30.2	31.3	32.3	34.0	35.5	42.8	55.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)