

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: P1209020

Luminaire Tested: UPW-SA2-090-730-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-730-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 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: 10430 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

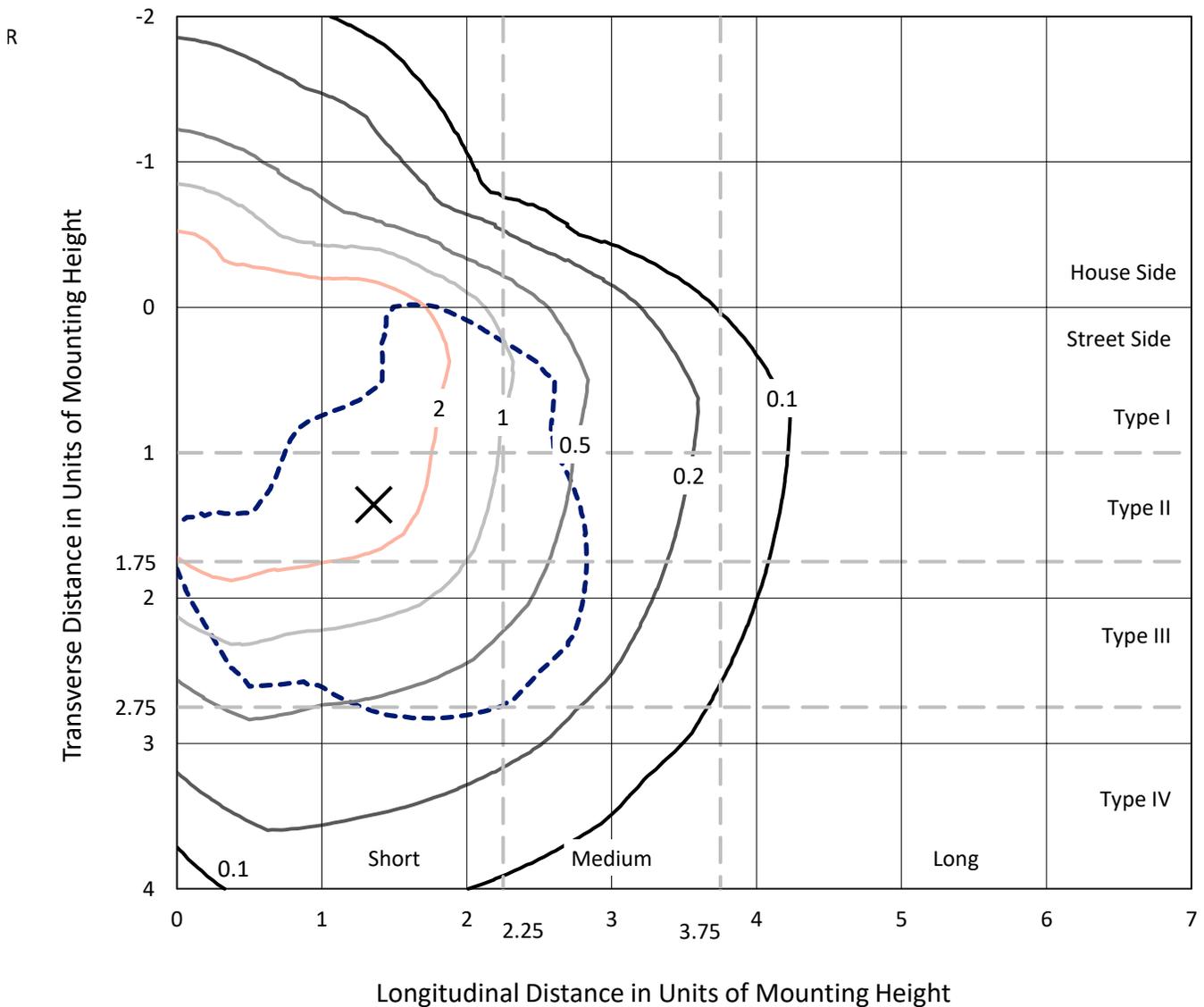
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

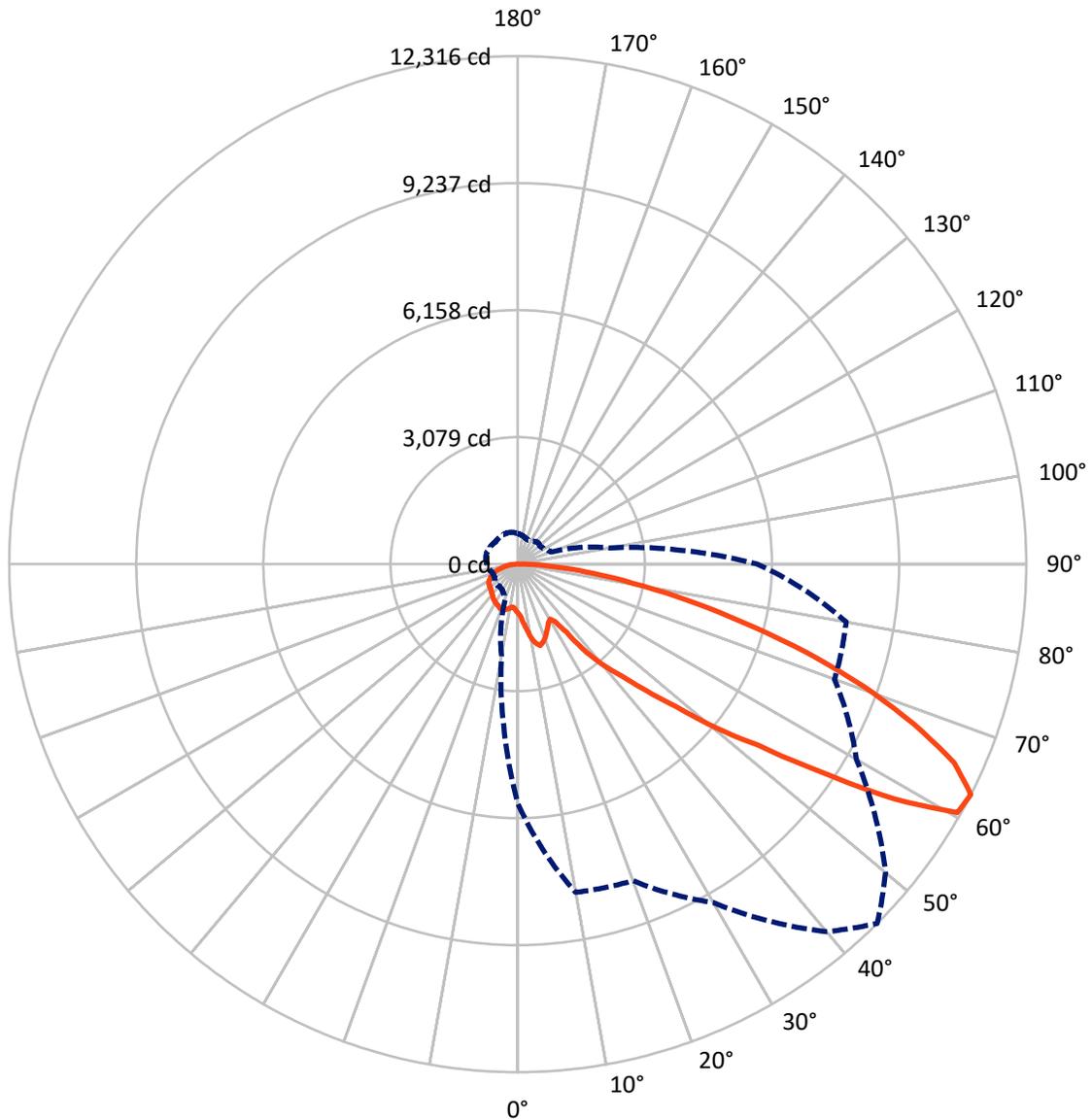
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2556.1	0.0	2556.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7873.9	0.0	7873.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	10430.0	0.0	10430.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.1
10°-20°	400.1	3.8
20°-30°	650.8	6.2
30°-40°	887.6	8.5
40°-50°	1344.1	12.9
50°-60°	2311.2	22.2
60°-70°	2710.5	26.0
70°-80°	1616.5	15.5
80°-90°	390.5	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°	10430.0	100.0
0°-180°	10430.0	100.0



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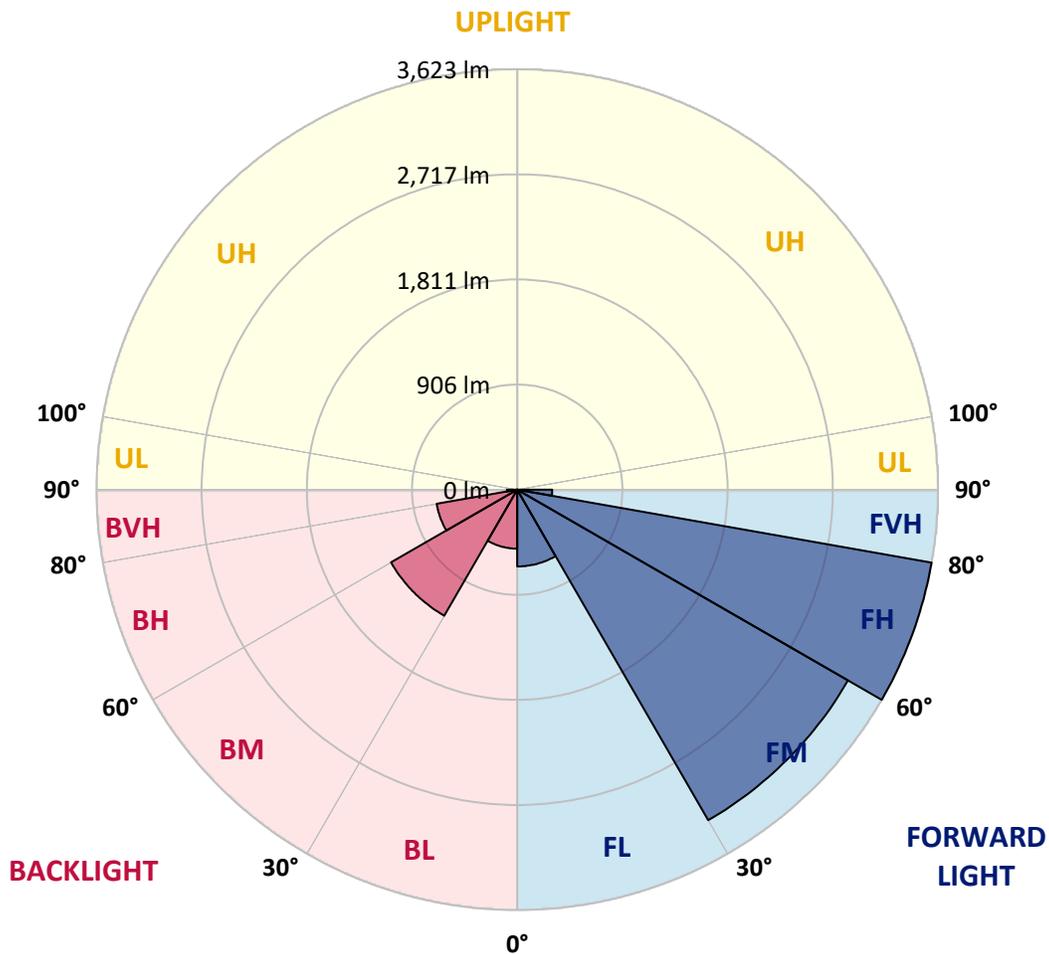
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	661.1	6.3			
FM	(30°-60°)	3288.4	31.5			
FH	(60°-80°)	3622.7	34.7			G2/5000
FVH	(80°-90°)	301.7	2.9			G3/500
BL	(0°-30°)	508.5	4.9	B2/1000		
BM	(30°-60°)	1254.5	12.0	B2/2500		
BH	(60°-80°)	704.3	6.8	B2/1000		G2/1000
BVH	(80°-90°)	88.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1237.9	1243.1	1248.3	1250.6	1252.8	1254.9	1257.1	1258.7	1260.5	1256.5	1260.5
5°	1324.1	1340.4	1356.7	1370.9	1385.0	1395.7	1406.3	1411.5	1416.9	1425.5	1416.9
7.5°	1441.3	1463.5	1485.9	1516.6	1547.3	1568.2	1588.9	1598.0	1607.1	1609.7	1607.1
10°	1526.3	1583.5	1640.6	1674.5	1708.5	1733.4	1758.3	1779.6	1801.1	1825.3	1801.1
12.5°	1629.5	1694.5	1759.5	1808.4	1857.4	1888.8	1920.3	1941.4	1962.6	1969.8	1962.6
15°	1731.5	1802.5	1873.3	1919.3	1965.2	1989.7	2014.1	2024.6	2035.1	2047.9	2035.1
17.5°	1844.0	1897.1	1950.3	1980.6	2010.9	2011.9	2013.0	1999.8	1986.6	1983.8	1986.6
20°	1923.8	1967.8	2011.8	2012.4	2013.0	1986.8	1960.5	1937.7	1915.0	1904.6	1915.0
22.5°	1982.7	2012.9	2043.0	2011.9	1980.9	1922.6	1864.4	1831.3	1798.2	1789.2	1798.2
25°	2062.5	2067.2	2071.8	2008.5	1945.4	1864.0	1782.8	1740.3	1697.8	1687.8	1697.8
27.5°	2113.8	2099.1	2084.3	1988.4	1892.3	1796.9	1701.5	1653.2	1604.8	1591.0	1604.8
30°	2188.4	2135.1	2081.7	1958.1	1834.4	1738.4	1642.3	1601.9	1561.4	1549.1	1561.4
32.5°	2263.6	2174.8	2085.8	1953.3	1820.7	1753.7	1686.8	1675.9	1664.8	1656.3	1664.8
35°	2325.4	2225.6	2125.8	2025.9	1926.1	1936.3	1946.5	1982.4	2018.5	2017.6	2018.5
37.5°	2433.8	2331.6	2229.5	2213.0	2196.6	2325.4	2454.2	2557.5	2660.8	2714.7	2660.8
40°	2584.7	2513.0	2441.3	2501.1	2560.8	2739.8	2918.9	3041.3	3163.6	3253.2	3163.6
42.5°	2795.1	2754.3	2713.5	2788.2	2862.9	3059.4	3255.7	3422.6	3589.3	3714.7	3589.3
45°	3155.8	3113.8	3071.6	3107.2	3142.7	3388.6	3634.5	3895.9	4157.2	4378.0	4157.2
47.5°	3759.6	3661.7	3563.8	3534.0	3504.0	3835.4	4166.8	4548.6	4930.7	5157.7	4930.7
50°	4558.0	4405.0	4252.1	4112.4	3972.9	4440.4	4908.1	5464.3	6020.5	6254.6	6020.5
52.5°	5292.4	5151.9	5011.5	4766.1	4520.7	5074.1	5627.5	6349.8	7072.1	7296.6	7072.1
55°	5929.4	5988.1	6046.9	5714.9	5382.9	5996.9	6610.7	7536.0	8461.3	8857.3	8461.3
57.5°	6388.6	6911.0	7433.6	7078.8	6724.1	7297.1	7870.1	8969.9	10069.9	10732.8	10069.9
60°	6309.9	7357.1	8404.1	8246.7	8089.2	8578.8	9068.3	10261.6	11455.1	12229.4	11455.1
62.5°	5797.1	6936.7	8076.4	8120.8	8165.2	8819.0	9472.8	10551.6	11630.5	12315.6	11630.5
65°	5159.5	6232.2	7304.8	7370.6	7436.5	8192.4	8948.2	10006.5	11064.7	11617.5	11064.7
67.5°	4426.3	5541.8	6657.3	6697.0	6736.9	7427.7	8118.6	9071.1	10023.6	10341.1	10023.6
70°	3795.7	4858.3	5921.0	6008.0	6095.1	6698.4	7301.5	8006.8	8712.1	8893.5	8712.1
72.5°	3043.4	4112.1	5180.8	5313.9	5447.0	5889.0	6330.9	6824.1	7317.1	7300.1	7317.1
75°	2239.1	3240.6	4242.2	4426.3	4610.5	4881.5	5152.5	5412.9	5673.4	5599.5	5673.4
77.5°	1552.6	2362.5	3172.5	3367.5	3562.6	3753.8	3944.9	4128.5	4312.1	4196.1	4312.1
80°	856.1	1433.2	2010.4	2229.9	2449.5	2649.3	2848.9	2943.7	3038.3	2842.9	3038.3
82.5°	423.7	746.0	1068.3	1286.7	1505.0	1707.5	1909.8	1969.2	2028.4	1841.6	2028.4
85°	166.7	328.5	490.1	653.2	816.1	975.6	1135.1	1141.1	1147.3	1012.9	1147.3
87.5°	60.0	126.1	192.3	276.2	360.2	445.8	531.5	528.5	525.3	433.6	525.3
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°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1258.7	1257.1	1254.9	1252.8	1250.6	1248.3	1243.1	1237.9	1234.6	1233.4	1229.1
5°	1411.5	1406.3	1395.7	1385.0	1370.9	1356.7	1340.4	1324.1	1314.4	1301.0	1282.0
7.5°	1598.0	1588.9	1568.2	1547.3	1516.6	1485.9	1463.5	1441.3	1397.4	1360.5	1330.1
10°	1779.6	1758.3	1733.4	1708.5	1674.5	1640.6	1583.5	1526.3	1490.1	1447.1	1395.3
12.5°	1941.4	1920.3	1888.8	1857.4	1808.4	1759.5	1694.5	1629.5	1573.7	1512.9	1450.5
15°	2024.6	2014.1	1989.7	1965.2	1919.3	1873.3	1802.5	1731.5	1663.5	1587.0	1504.7
17.5°	1999.8	2013.0	2011.9	2010.9	1980.6	1950.3	1897.1	1844.0	1744.5	1646.4	1549.0
20°	1937.7	1960.5	1986.8	2013.0	2012.4	2011.8	1967.8	1923.8	1823.5	1717.1	1599.0
22.5°	1831.3	1864.4	1922.6	1980.9	2011.9	2043.0	2012.9	1982.7	1877.9	1763.5	1626.6
25°	1740.3	1782.8	1864.0	1945.4	2008.5	2071.8	2067.2	2062.5	1937.1	1803.4	1644.1
27.5°	1653.2	1701.5	1796.9	1892.3	1988.4	2084.3	2099.1	2113.8	2000.9	1871.9	1692.6
30°	1601.9	1642.3	1738.4	1834.4	1958.1	2081.7	2135.1	2188.4	2072.2	1934.9	1733.8
32.5°	1675.9	1686.8	1753.7	1820.7	1953.3	2085.8	2174.8	2263.6	2138.3	1988.7	1760.6
35°	1982.4	1946.5	1936.3	1926.1	2025.9	2125.8	2225.6	2325.4	2202.3	2044.4	1785.2
37.5°	2557.5	2454.2	2325.4	2196.6	2213.0	2229.5	2331.6	2433.8	2286.7	2099.2	1804.3
40°	3041.3	2918.9	2739.8	2560.8	2501.1	2441.3	2513.0	2584.7	2422.9	2197.4	1847.7
42.5°	3422.6	3255.7	3059.4	2862.9	2788.2	2713.5	2754.3	2795.1	2572.1	2288.3	1889.0
45°	3895.9	3634.5	3388.6	3142.7	3107.2	3071.6	3113.8	3155.8	2813.3	2414.5	1945.5
47.5°	4548.6	4166.8	3835.4	3504.0	3534.0	3563.8	3661.7	3759.6	3217.1	2617.7	2035.7
50°	5464.3	4908.1	4440.4	3972.9	4112.4	4252.1	4405.0	4558.0	3795.2	2942.9	2195.0
52.5°	6349.8	5627.5	5074.1	4520.7	4766.1	5011.5	5151.9	5292.4	4299.3	3206.0	2317.2
55°	7536.0	6610.7	5996.9	5382.9	5714.9	6046.9	5988.1	5929.4	4637.9	3313.5	2349.1
57.5°	8969.9	7870.1	7297.1	6724.1	7078.8	7433.6	6911.0	6388.6	4687.2	3115.4	2199.6
60°	10261.6	9068.3	8578.8	8089.2	8246.7	8404.1	7357.1	6309.9	4395.7	2679.9	1874.0
62.5°	10551.6	9472.8	8819.0	8165.2	8120.8	8076.4	6936.7	5797.1	3913.4	2251.0	1557.3
65°	10006.5	8948.2	8192.4	7436.5	7370.6	7304.8	6232.2	5159.5	3377.9	1847.7	1267.0
67.5°	9071.1	8118.6	7427.7	6736.9	6697.0	6657.3	5541.8	4426.3	2814.6	1473.5	996.8
70°	8006.8	7301.5	6698.4	6095.1	6008.0	5921.0	4858.3	3795.7	2306.4	1133.2	774.4
72.5°	6824.1	6330.9	5889.0	5447.0	5313.9	5180.8	4112.1	3043.4	1779.6	829.9	584.2
75°	5412.9	5152.5	4881.5	4610.5	4426.3	4242.2	3240.6	2239.1	1280.8	585.1	432.0
77.5°	4128.5	3944.9	3753.8	3562.6	3367.5	3172.5	2362.5	1552.6	882.1	408.2	318.2
80°	2943.7	2848.9	2649.3	2449.5	2229.9	2010.4	1433.2	856.1	507.7	263.4	219.7
82.5°	1969.2	1909.8	1707.5	1505.0	1286.7	1068.3	746.0	423.7	270.8	165.7	147.9
85°	1141.1	1135.1	975.6	816.1	653.2	490.1	328.5	166.7	122.4	93.0	88.1
87.5°	528.5	531.5	445.8	360.2	276.2	192.3	126.1	60.0	46.6	38.7	37.1
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°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1224.8	1217.0	1209.3	1203.8	1198.2	1191.8	1181.7	1176.5	1171.4	1166.5	1161.5
5°	1262.9	1245.0	1227.1	1212.1	1197.1	1183.7	1171.2	1157.2	1143.2	1131.1	1119.0
7.5°	1299.6	1270.7	1241.9	1219.8	1197.6	1176.7	1156.0	1139.6	1123.0	1109.6	1096.2
10°	1343.7	1303.4	1263.3	1238.6	1214.0	1194.7	1162.1	1144.7	1127.4	1114.3	1101.3
12.5°	1388.0	1337.2	1286.6	1250.8	1215.1	1188.3	1174.7	1166.6	1158.6	1149.2	1139.7
15°	1422.3	1357.9	1293.6	1252.5	1211.6	1183.7	1175.8	1178.5	1181.3	1184.4	1187.5
17.5°	1451.4	1367.7	1283.9	1235.8	1187.7	1160.3	1173.1	1182.4	1191.5	1205.5	1219.4
20°	1480.5	1375.2	1269.6	1211.5	1153.4	1126.5	1132.3	1153.9	1175.5	1201.8	1228.3
22.5°	1489.6	1364.7	1239.6	1173.9	1108.2	1081.7	1104.6	1131.2	1157.7	1185.3	1212.8
25°	1484.7	1342.3	1200.0	1133.0	1065.9	1043.8	1067.1	1093.2	1119.2	1145.8	1172.4
27.5°	1513.2	1347.9	1182.5	1108.2	1033.9	1010.0	1032.5	1054.4	1076.4	1099.7	1123.0
30°	1532.8	1351.0	1169.3	1091.2	1013.1	987.3	994.6	1009.8	1024.8	1045.3	1065.6
32.5°	1532.5	1335.5	1138.5	1065.2	991.9	968.6	975.8	982.1	988.4	1003.0	1017.6
35°	1526.0	1313.5	1100.9	1033.8	966.5	948.8	946.6	946.2	945.9	952.4	959.0
37.5°	1509.4	1280.8	1051.9	987.8	923.7	910.9	906.0	901.9	897.7	902.1	906.2
40°	1498.0	1249.0	1000.1	938.2	876.3	871.9	868.4	862.5	856.7	857.2	857.6
42.5°	1489.6	1222.7	955.8	896.5	837.1	828.7	819.4	816.6	813.8	812.3	810.7
45°	1476.6	1201.6	926.6	867.0	807.2	782.7	782.3	776.1	769.9	772.1	774.2
47.5°	1453.7	1179.7	905.7	851.6	797.5	758.8	744.3	741.1	737.8	741.3	744.8
50°	1447.4	1171.7	896.1	846.5	797.0	740.2	712.9	710.9	708.9	718.9	728.7
52.5°	1428.4	1151.5	874.4	836.2	797.8	741.3	704.4	699.2	694.1	708.7	723.2
55°	1384.7	1109.9	835.1	821.0	806.8	773.4	708.7	692.0	675.5	693.3	711.0
57.5°	1283.9	1047.8	811.5	802.6	793.8	794.4	721.3	689.6	658.0	675.5	692.9
60°	1067.9	931.3	794.7	768.0	741.3	767.0	723.8	687.0	650.2	660.3	670.4
62.5°	863.7	798.9	734.1	712.8	691.4	721.5	706.1	674.9	643.6	642.5	641.3
65°	686.3	673.5	660.7	656.0	651.3	659.1	667.9	647.5	627.1	618.0	609.0
67.5°	520.1	531.6	543.2	565.8	588.4	591.5	611.9	600.7	589.6	582.6	575.6
70°	415.5	431.3	447.0	480.5	514.0	530.3	548.6	550.2	551.6	546.4	541.1
72.5°	338.6	352.2	366.0	403.9	441.8	477.3	497.0	497.0	497.1	494.7	492.1
75°	278.8	289.0	299.0	334.1	369.3	414.4	434.9	436.9	438.8	437.2	435.7
77.5°	228.2	233.1	238.0	270.0	301.9	354.9	376.3	381.0	385.8	383.9	382.1
80°	176.0	179.4	182.8	209.3	236.0	283.2	308.1	315.1	321.9	321.5	320.8
82.5°	130.0	131.8	133.8	154.0	174.3	208.1	234.8	245.6	256.4	264.4	272.2
85°	83.3	84.4	85.3	98.0	110.7	131.7	158.8	178.8	198.7	213.3	227.9
87.5°	35.2	34.0	32.9	39.4	45.7	57.1	90.0	110.4	130.8	138.2	145.7
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: P1209020

CATALOG NUMBER: UPW-SA2-090-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1156.8	1152.2	1148.7	1145.2	1138.3	1131.6	1127.7	1123.9	1122.6	1121.3	1124.1
5°	1111.4	1103.8	1095.7	1087.5	1081.2	1074.9	1070.0	1065.1	1063.0	1060.9	1061.6
7.5°	1085.3	1074.4	1066.6	1058.9	1057.4	1056.0	1052.8	1049.6	1049.3	1049.0	1050.0
10°	1091.2	1081.4	1076.0	1070.6	1068.8	1067.1	1067.0	1066.7	1070.0	1073.3	1076.0
12.5°	1129.7	1119.9	1120.3	1120.7	1112.2	1103.8	1101.6	1099.4	1103.6	1107.5	1109.1
15°	1184.8	1182.1	1172.5	1162.7	1152.7	1142.5	1139.2	1135.9	1135.5	1135.3	1133.9
17.5°	1225.3	1231.1	1219.7	1208.1	1191.9	1175.8	1168.2	1160.7	1157.3	1153.9	1152.3
20°	1238.0	1247.8	1236.7	1225.6	1207.6	1189.5	1177.5	1165.6	1163.8	1162.1	1162.0
22.5°	1221.4	1229.9	1223.8	1217.5	1198.0	1178.4	1165.5	1152.5	1147.1	1141.7	1144.0
25°	1184.4	1196.5	1195.0	1193.6	1173.3	1153.0	1138.8	1124.6	1121.9	1119.2	1118.5
27.5°	1136.6	1150.2	1152.1	1153.9	1138.8	1123.6	1110.3	1097.1	1094.7	1092.4	1095.4
30°	1079.6	1093.6	1098.5	1103.2	1093.6	1084.0	1074.9	1065.9	1066.4	1066.7	1071.3
32.5°	1030.8	1044.1	1051.5	1058.9	1057.3	1055.8	1052.3	1048.8	1044.1	1039.5	1041.0
35°	971.1	983.2	997.5	1011.7	1013.6	1015.5	1016.9	1018.1	1018.1	1018.1	1022.0
37.5°	916.7	927.2	942.0	957.0	967.6	978.2	983.1	987.8	991.7	995.4	997.0
40°	867.1	876.5	890.5	904.5	924.2	943.9	954.7	965.7	966.2	966.5	964.2
42.5°	818.7	826.6	847.9	868.9	891.0	912.9	922.6	932.2	936.4	940.6	941.7
45°	784.3	794.4	812.7	831.1	856.2	881.4	893.4	905.4	907.5	909.7	909.2
47.5°	755.1	765.2	787.7	810.1	834.7	859.3	872.0	884.7	886.5	888.4	889.9
50°	740.4	752.0	771.5	790.9	817.1	843.3	860.8	878.3	877.7	877.1	872.4
52.5°	732.1	741.1	759.3	777.4	806.1	834.8	851.8	868.6	870.1	871.6	868.9
55°	721.7	732.6	752.7	772.8	798.3	823.8	840.2	856.5	858.1	860.0	854.8
57.5°	711.6	730.2	750.6	771.0	797.1	823.1	837.1	851.1	848.0	844.8	840.9
60°	697.1	723.8	743.1	762.3	786.5	810.7	820.3	829.9	826.2	822.3	813.7
62.5°	670.0	698.4	720.5	742.5	764.5	786.5	793.3	800.2	796.6	792.8	783.2
65°	634.2	659.5	682.9	706.3	724.5	742.7	751.1	759.4	753.4	747.4	737.7
67.5°	600.2	624.8	642.8	660.9	679.0	697.0	703.9	710.8	704.1	697.6	684.8
70°	559.3	577.2	600.4	623.6	633.6	643.6	647.5	651.3	645.0	638.7	630.6
72.5°	509.9	527.8	543.0	558.3	567.8	577.2	581.6	586.1	579.1	572.1	561.1
75°	451.0	466.2	480.2	494.2	504.5	514.6	517.3	519.9	511.1	502.4	490.9
77.5°	391.4	400.7	406.7	412.6	424.3	435.9	438.1	440.4	433.7	427.2	416.6
80°	325.2	329.6	331.1	332.8	341.4	349.9	352.2	354.6	351.4	348.3	339.4
82.5°	275.1	278.0	265.2	252.4	259.2	266.0	271.3	276.5	275.1	273.7	266.3
85°	219.2	210.7	177.6	144.5	157.6	170.8	179.5	188.2	189.8	191.2	186.0
87.5°	134.2	122.6	98.4	74.0	84.6	95.3	104.0	112.8	107.1	101.4	89.8
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: P1209020

CATALOG NUMBER: UPW-SA2-090-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1126.9	1130.6	1126.9	1124.1	1121.3	1122.6	1123.9	1127.7	1131.6	1138.3	1145.2
5°	1062.1	1061.9	1062.1	1061.6	1060.9	1063.0	1065.1	1070.0	1074.9	1081.2	1087.5
7.5°	1050.8	1046.7	1050.8	1050.0	1049.0	1049.3	1049.6	1052.8	1056.0	1057.4	1058.9
10°	1078.8	1077.0	1078.8	1076.0	1073.3	1070.0	1066.7	1067.0	1067.1	1068.8	1070.6
12.5°	1110.6	1107.3	1110.6	1109.1	1107.5	1103.6	1099.4	1101.6	1103.8	1112.2	1120.7
15°	1132.4	1130.6	1132.4	1133.9	1135.3	1135.5	1135.9	1139.2	1142.5	1152.7	1162.7
17.5°	1150.7	1152.8	1150.7	1152.3	1153.9	1157.3	1160.7	1168.2	1175.8	1191.9	1208.1
20°	1161.9	1160.9	1161.9	1162.0	1162.1	1163.8	1165.6	1177.5	1189.5	1207.6	1225.6
22.5°	1146.4	1153.9	1146.4	1144.0	1141.7	1147.1	1152.5	1165.5	1178.4	1198.0	1217.5
25°	1117.8	1114.3	1117.8	1118.5	1119.2	1121.9	1124.6	1138.8	1153.0	1173.3	1193.6
27.5°	1098.2	1100.3	1098.2	1095.4	1092.4	1094.7	1097.1	1110.3	1123.6	1138.8	1153.9
30°	1075.8	1084.0	1075.8	1071.3	1066.7	1066.4	1065.9	1074.9	1084.0	1093.6	1103.2
32.5°	1042.6	1049.0	1042.6	1041.0	1039.5	1044.1	1048.8	1052.3	1055.8	1057.3	1058.9
35°	1025.7	1033.9	1025.7	1022.0	1018.1	1018.1	1018.1	1016.9	1015.5	1013.6	1011.7
37.5°	998.7	998.9	998.7	997.0	995.4	991.7	987.8	983.1	978.2	967.6	957.0
40°	961.8	962.8	961.8	964.2	966.5	966.2	965.7	954.7	943.9	924.2	904.5
42.5°	942.7	945.3	942.7	941.7	940.6	936.4	932.2	922.6	912.9	891.0	868.9
45°	908.6	905.7	908.6	909.2	909.7	907.5	905.4	893.4	881.4	856.2	831.1
47.5°	891.4	894.0	891.4	889.9	888.4	886.5	884.7	872.0	859.3	834.7	810.1
50°	867.8	866.0	867.8	872.4	877.1	877.7	878.3	860.8	843.3	817.1	790.9
52.5°	866.3	867.2	866.3	868.9	871.6	870.1	868.6	851.8	834.8	806.1	777.4
55°	849.7	846.2	849.7	854.8	860.0	858.1	856.5	840.2	823.8	798.3	772.8
57.5°	836.9	838.1	836.9	840.9	844.8	848.0	851.1	837.1	823.1	797.1	771.0
60°	805.2	798.4	805.2	813.7	822.3	826.2	829.9	820.3	810.7	786.5	762.3
62.5°	773.4	761.1	773.4	783.2	792.8	796.6	800.2	793.3	786.5	764.5	742.5
65°	727.9	721.5	727.9	737.7	747.4	753.4	759.4	751.1	742.7	724.5	706.3
67.5°	672.0	662.1	672.0	684.8	697.6	704.1	710.8	703.9	697.0	679.0	660.9
70°	622.4	615.4	622.4	630.6	638.7	645.0	651.3	647.5	643.6	633.6	623.6
72.5°	550.2	543.2	550.2	561.1	572.1	579.1	586.1	581.6	577.2	567.8	558.3
75°	479.6	469.7	479.6	490.9	502.4	511.1	519.9	517.3	514.6	504.5	494.2
77.5°	405.9	396.3	405.9	416.6	427.2	433.7	440.4	438.1	435.9	424.3	412.6
80°	330.8	318.2	330.8	339.4	348.3	351.4	354.6	352.2	349.9	341.4	332.8
82.5°	259.0	248.3	259.0	266.3	273.7	275.1	276.5	271.3	266.0	259.2	252.4
85°	180.9	172.5	180.9	186.0	191.2	189.8	188.2	179.5	170.8	157.6	144.5
87.5°	78.1	65.3	78.1	89.8	101.4	107.1	112.8	104.0	95.3	84.6	74.0
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-SA2-090-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1148.7	1152.2	1156.8	1161.5	1166.5	1171.4	1176.5	1181.7	1191.8	1198.2	1203.8
5°	1095.7	1103.8	1111.4	1119.0	1131.1	1143.2	1157.2	1171.2	1183.7	1197.1	1212.1
7.5°	1066.6	1074.4	1085.3	1096.2	1109.6	1123.0	1139.6	1156.0	1176.7	1197.6	1219.8
10°	1076.0	1081.4	1091.2	1101.3	1114.3	1127.4	1144.7	1162.1	1194.7	1214.0	1238.6
12.5°	1120.3	1119.9	1129.7	1139.7	1149.2	1158.6	1166.6	1174.7	1188.3	1215.1	1250.8
15°	1172.5	1182.1	1184.8	1187.5	1184.4	1181.3	1178.5	1175.8	1183.7	1211.6	1252.5
17.5°	1219.7	1231.1	1225.3	1219.4	1205.5	1191.5	1182.4	1173.1	1160.3	1187.7	1235.8
20°	1236.7	1247.8	1238.0	1228.3	1201.8	1175.5	1153.9	1132.3	1126.5	1153.4	1211.5
22.5°	1223.8	1229.9	1221.4	1212.8	1185.3	1157.7	1131.2	1104.6	1081.7	1108.2	1173.9
25°	1195.0	1196.5	1184.4	1172.4	1145.8	1119.2	1093.2	1067.1	1043.8	1065.9	1133.0
27.5°	1152.1	1150.2	1136.6	1123.0	1099.7	1076.4	1054.4	1032.5	1010.0	1033.9	1108.2
30°	1098.5	1093.6	1079.6	1065.6	1045.3	1024.8	1009.8	994.6	987.3	1013.1	1091.2
32.5°	1051.5	1044.1	1030.8	1017.6	1003.0	988.4	982.1	975.8	968.6	991.9	1065.2
35°	997.5	983.2	971.1	959.0	952.4	945.9	946.2	946.6	948.8	966.5	1033.8
37.5°	942.0	927.2	916.7	906.2	902.1	897.7	901.9	906.0	910.9	923.7	987.8
40°	890.5	876.5	867.1	857.6	857.2	856.7	862.5	868.4	871.9	876.3	938.2
42.5°	847.9	826.6	818.7	810.7	812.3	813.8	816.6	819.4	828.7	837.1	896.5
45°	812.7	794.4	784.3	774.2	772.1	769.9	776.1	782.3	782.7	807.2	867.0
47.5°	787.7	765.2	755.1	744.8	741.3	737.8	741.1	744.3	758.8	797.5	851.6
50°	771.5	752.0	740.4	728.7	718.9	708.9	710.9	712.9	740.2	797.0	846.5
52.5°	759.3	741.1	732.1	723.2	708.7	694.1	699.2	704.4	741.3	797.8	836.2
55°	752.7	732.6	721.7	711.0	693.3	675.5	692.0	708.7	773.4	806.8	821.0
57.5°	750.6	730.2	711.6	692.9	675.5	658.0	689.6	721.3	794.4	793.8	802.6
60°	743.1	723.8	697.1	670.4	660.3	650.2	687.0	723.8	767.0	741.3	768.0
62.5°	720.5	698.4	670.0	641.3	642.5	643.6	674.9	706.1	721.5	691.4	712.8
65°	682.9	659.5	634.2	609.0	618.0	627.1	647.5	667.9	659.1	651.3	656.0
67.5°	642.8	624.8	600.2	575.6	582.6	589.6	600.7	611.9	591.5	588.4	565.8
70°	600.4	577.2	559.3	541.1	546.4	551.6	550.2	548.6	530.3	514.0	480.5
72.5°	543.0	527.8	509.9	492.1	494.7	497.1	497.0	497.0	477.3	441.8	403.9
75°	480.2	466.2	451.0	435.7	437.2	438.8	436.9	434.9	414.4	369.3	334.1
77.5°	406.7	400.7	391.4	382.1	383.9	385.8	381.0	376.3	354.9	301.9	270.0
80°	331.1	329.6	325.2	320.8	321.5	321.9	315.1	308.1	283.2	236.0	209.3
82.5°	265.2	278.0	275.1	272.2	264.4	256.4	245.6	234.8	208.1	174.3	154.0
85°	177.6	210.7	219.2	227.9	213.3	198.7	178.8	158.8	131.7	110.7	98.0
87.5°	98.4	122.6	134.2	145.7	138.2	130.8	110.4	90.0	57.1	45.7	39.4
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-SA2-090-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1209.3	1217.0	1224.8	1229.1	1233.4	1234.6	1237.9
5°	1227.1	1245.0	1262.9	1282.0	1301.0	1314.4	1324.1
7.5°	1241.9	1270.7	1299.6	1330.1	1360.5	1397.4	1441.3
10°	1263.3	1303.4	1343.7	1395.3	1447.1	1490.1	1526.3
12.5°	1286.6	1337.2	1388.0	1450.5	1512.9	1573.7	1629.5
15°	1293.6	1357.9	1422.3	1504.7	1587.0	1663.5	1731.5
17.5°	1283.9	1367.7	1451.4	1549.0	1646.4	1744.5	1844.0
20°	1269.6	1375.2	1480.5	1599.0	1717.1	1823.5	1923.8
22.5°	1239.6	1364.7	1489.6	1626.6	1763.5	1877.9	1982.7
25°	1200.0	1342.3	1484.7	1644.1	1803.4	1937.1	2062.5
27.5°	1182.5	1347.9	1513.2	1692.6	1871.9	2000.9	2113.8
30°	1169.3	1351.0	1532.8	1733.8	1934.9	2072.2	2188.4
32.5°	1138.5	1335.5	1532.5	1760.6	1988.7	2138.3	2263.6
35°	1100.9	1313.5	1526.0	1785.2	2044.4	2202.3	2325.4
37.5°	1051.9	1280.8	1509.4	1804.3	2099.2	2286.7	2433.8
40°	1000.1	1249.0	1498.0	1847.7	2197.4	2422.9	2584.7
42.5°	955.8	1222.7	1489.6	1889.0	2288.3	2572.1	2795.1
45°	926.6	1201.6	1476.6	1945.5	2414.5	2813.3	3155.8
47.5°	905.7	1179.7	1453.7	2035.7	2617.7	3217.1	3759.6
50°	896.1	1171.7	1447.4	2195.0	2942.9	3795.2	4558.0
52.5°	874.4	1151.5	1428.4	2317.2	3206.0	4299.3	5292.4
55°	835.1	1109.9	1384.7	2349.1	3313.5	4637.9	5929.4
57.5°	811.5	1047.8	1283.9	2199.6	3115.4	4687.2	6388.6
60°	794.7	931.3	1067.9	1874.0	2679.9	4395.7	6309.9
62.5°	734.1	798.9	863.7	1557.3	2251.0	3913.4	5797.1
65°	660.7	673.5	686.3	1267.0	1847.7	3377.9	5159.5
67.5°	543.2	531.6	520.1	996.8	1473.5	2814.6	4426.3
70°	447.0	431.3	415.5	774.4	1133.2	2306.4	3795.7
72.5°	366.0	352.2	338.6	584.2	829.9	1779.6	3043.4
75°	299.0	289.0	278.8	432.0	585.1	1280.8	2239.1
77.5°	238.0	233.1	228.2	318.2	408.2	882.1	1552.6
80°	182.8	179.4	176.0	219.7	263.4	507.7	856.1
82.5°	133.8	131.8	130.0	147.9	165.7	270.8	423.7
85°	85.3	84.4	83.3	88.1	93.0	122.4	166.7
87.5°	32.9	34.0	35.2	37.1	38.7	46.6	60.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)