

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: P1209236

Luminaire Tested: UPW-SA2-110-727-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209236
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-SA2-110-727-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATING LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11857 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

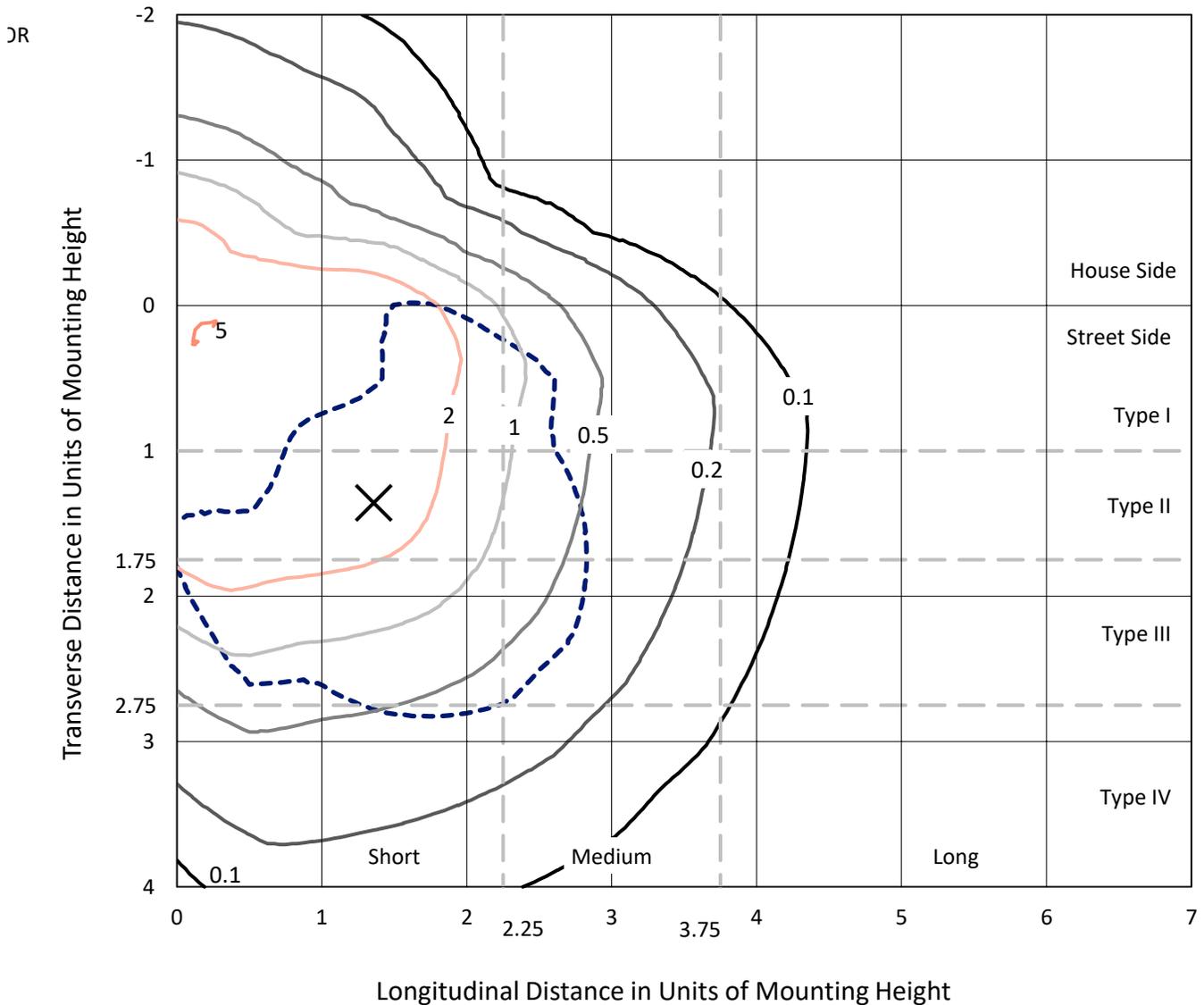
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

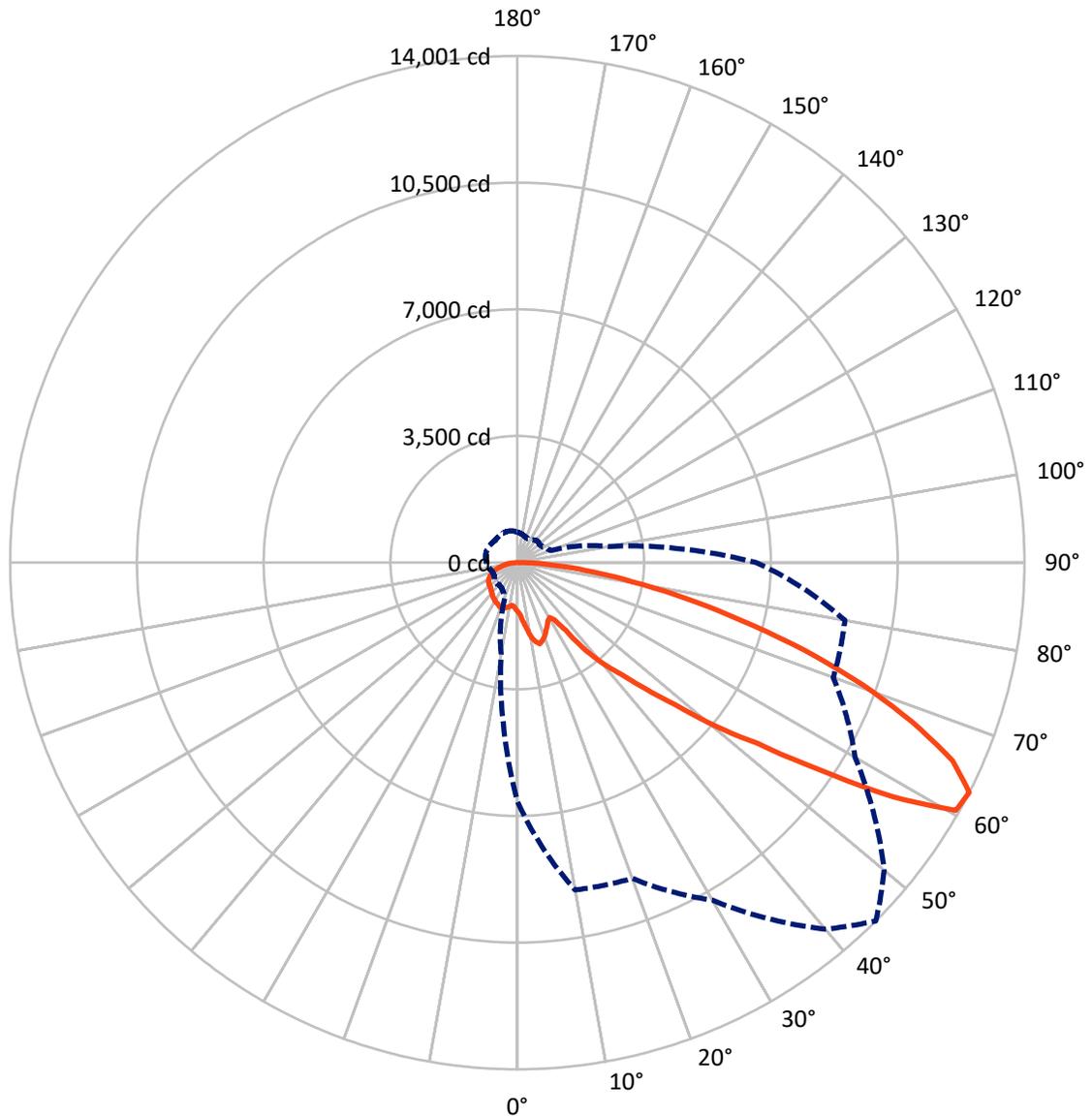


Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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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	2905.8	0.0	2905.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8951.2	0.0	8951.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	11857.0	0.0	11857.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.1
10°-20°	454.9	3.8
20°-30°	739.8	6.2
30°-40°	1009.1	8.5
40°-50°	1528.0	12.9
50°-60°	2627.4	22.2
60°-70°	3081.3	26.0
70°-80°	1837.7	15.5
80°-90°	443.9	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°	11857.0	100.0
0°-180°	11857.0	100.0



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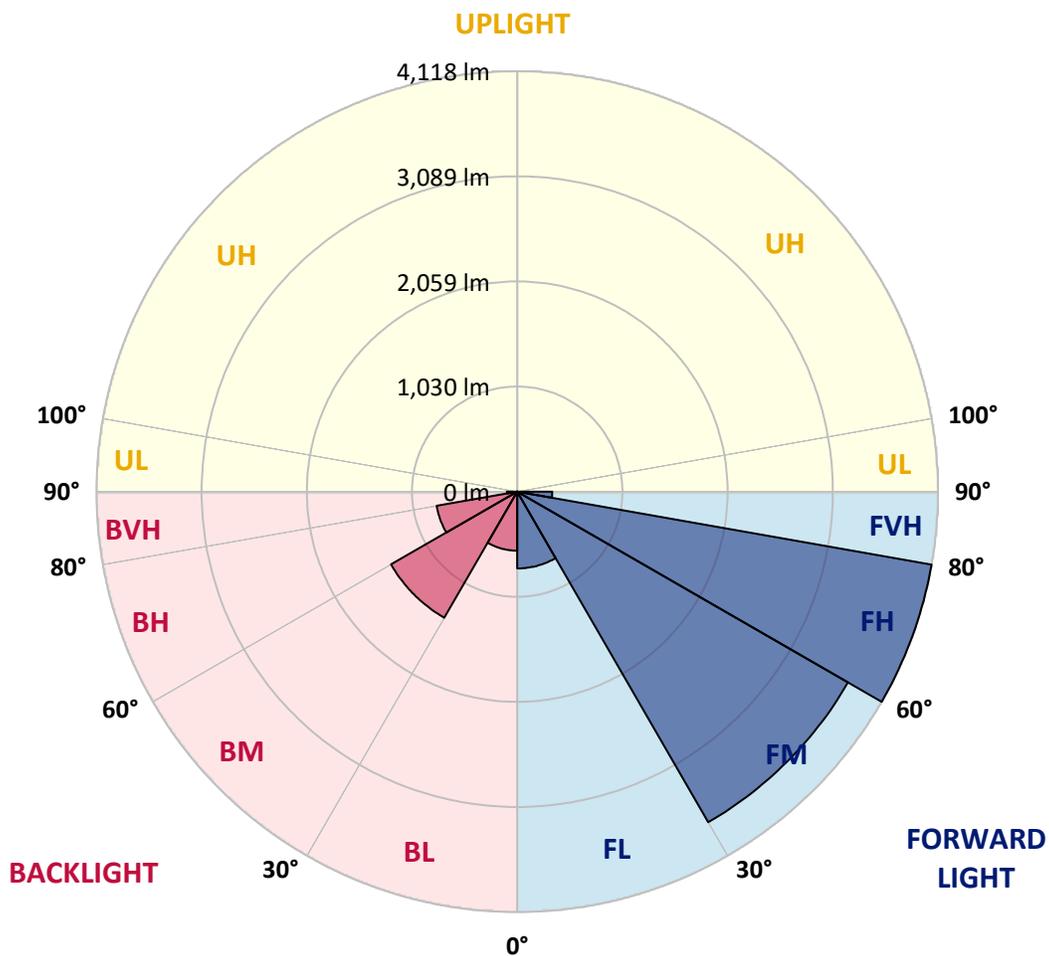
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.6	6.3			
FM	(30°-60°)	3738.3	31.5			
FH	(60°-80°)	4118.3	34.7			G2/5000
FVH	(80°-90°)	343.0	2.9			G3/500
BL	(0°-30°)	578.0	4.9	B2/1000		
BM	(30°-60°)	1426.2	12.0	B2/2500		
BH	(60°-80°)	800.7	6.8	B2/1000		G2/1000
BVH	(80°-90°)	100.9	0.9			G2/225
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°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1407.2	1413.2	1419.1	1421.7	1424.2	1426.6	1429.1	1430.9	1432.9	1428.4	1432.9
5°	1505.3	1523.8	1542.4	1558.4	1574.4	1586.6	1598.7	1604.7	1610.7	1620.6	1610.7
7.5°	1638.4	1663.8	1689.2	1724.0	1759.0	1782.7	1806.3	1816.7	1827.0	1829.9	1827.0
10°	1735.2	1800.1	1865.0	1903.6	1942.3	1970.5	1998.9	2023.1	2047.5	2075.1	2047.5
12.5°	1852.4	1926.4	2000.2	2055.8	2111.5	2147.3	2183.0	2207.0	2231.1	2239.4	2231.1
15°	1968.4	2049.1	2129.6	2181.9	2234.1	2261.9	2289.7	2301.6	2313.6	2328.1	2313.6
17.5°	2096.3	2156.7	2217.1	2251.5	2286.0	2287.2	2288.4	2273.4	2258.4	2255.3	2258.4
20°	2187.0	2237.0	2287.1	2287.7	2288.4	2258.6	2228.8	2202.8	2176.9	2165.2	2176.9
22.5°	2253.9	2288.3	2322.6	2287.2	2251.9	2185.7	2119.4	2081.8	2044.2	2034.0	2044.2
25°	2344.7	2350.0	2355.3	2283.4	2211.5	2119.0	2026.7	1978.5	1930.1	1918.7	1930.1
27.5°	2403.0	2386.3	2369.5	2260.4	2151.2	2042.7	1934.3	1879.3	1824.3	1808.7	1824.3
30°	2487.8	2427.3	2366.6	2226.0	2085.4	1976.2	1867.0	1821.0	1775.1	1761.0	1775.1
32.5°	2573.3	2472.3	2371.2	2220.5	2069.8	1993.7	1917.6	1905.2	1892.6	1882.9	1892.6
35°	2643.5	2530.1	2416.7	2303.1	2189.7	2201.2	2212.9	2253.7	2294.6	2293.7	2294.6
37.5°	2766.7	2650.7	2534.6	2515.8	2497.1	2643.5	2789.9	2907.5	3024.9	3086.1	3024.9
40°	2938.3	2856.8	2775.3	2843.3	2911.2	3114.7	3318.2	3457.4	3596.5	3698.3	3596.5
42.5°	3177.5	3131.1	3084.7	3169.7	3254.6	3478.0	3701.2	3890.9	4080.4	4223.0	4080.4
45°	3587.6	3539.8	3491.8	3532.4	3572.6	3852.2	4131.8	4428.9	4726.0	4976.9	4726.0
47.5°	4274.0	4162.7	4051.4	4017.5	3983.4	4360.1	4736.8	5170.9	5605.3	5863.4	5605.3
50°	5181.7	5007.7	4833.8	4675.1	4516.5	5048.0	5579.6	6211.9	6844.2	7110.3	6844.2
52.5°	6016.5	5856.8	5697.1	5418.2	5139.3	5768.3	6397.4	7218.6	8039.7	8294.9	8039.7
55°	6740.6	6807.4	6874.2	6496.8	6119.4	6817.3	7515.1	8567.1	9618.9	10069.2	9618.9
57.5°	7262.7	7856.6	8450.6	8047.2	7644.0	8295.4	8946.8	10197.2	11447.6	12201.2	11447.6
60°	7173.2	8363.7	9554.0	9375.0	9195.9	9752.5	10309.0	11665.6	13022.3	13902.6	13022.3
62.5°	6590.2	7885.7	9181.4	9231.9	9282.3	10025.6	10768.8	11995.3	13221.8	14000.6	13221.8
65°	5865.4	7084.9	8304.2	8379.0	8453.9	9313.2	10172.5	11375.5	12578.6	13206.9	12578.6
67.5°	5031.9	6300.0	7568.1	7613.3	7658.6	8444.0	9229.3	10312.2	11395.0	11756.0	11395.0
70°	4315.1	5523.0	6731.1	6830.0	6929.0	7614.9	8300.5	9102.3	9904.1	10110.2	9904.1
72.5°	3459.7	4674.7	5889.6	6041.0	6192.3	6694.8	7197.1	7757.7	8318.2	8298.9	8318.2
75°	2545.4	3683.9	4822.6	5031.9	5241.3	5549.4	5857.4	6153.5	6449.6	6365.6	6449.6
77.5°	1765.0	2685.8	3606.6	3828.2	4050.1	4267.4	4484.7	4693.4	4902.1	4770.2	4902.1
80°	973.3	1629.3	2285.5	2535.0	2784.6	3011.7	3238.7	3346.4	3454.0	3231.8	3454.0
82.5°	481.7	848.0	1214.4	1462.7	1710.9	1941.1	2171.1	2238.6	2305.9	2093.6	2305.9
85°	189.5	373.4	557.2	742.6	927.8	1109.1	1290.3	1297.2	1304.3	1151.5	1304.3
87.5°	68.2	143.4	218.6	314.0	409.4	506.8	604.2	600.8	597.2	492.9	597.2
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°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1430.9	1429.1	1426.6	1424.2	1421.7	1419.1	1413.2	1407.2	1403.5	1402.2	1397.3
5°	1604.7	1598.7	1586.6	1574.4	1558.4	1542.4	1523.8	1505.3	1494.3	1479.0	1457.4
7.5°	1816.7	1806.3	1782.7	1759.0	1724.0	1689.2	1663.8	1638.4	1588.6	1546.6	1512.0
10°	2023.1	1998.9	1970.5	1942.3	1903.6	1865.0	1800.1	1735.2	1694.0	1645.1	1586.2
12.5°	2207.0	2183.0	2147.3	2111.5	2055.8	2000.2	1926.4	1852.4	1789.0	1719.9	1648.9
15°	2301.6	2289.7	2261.9	2234.1	2181.9	2129.6	2049.1	1968.4	1891.1	1804.1	1710.5
17.5°	2273.4	2288.4	2287.2	2286.0	2251.5	2217.1	2156.7	2096.3	1983.2	1871.7	1760.9
20°	2202.8	2228.8	2258.6	2288.4	2287.7	2287.1	2237.0	2187.0	2072.9	1952.1	1817.7
22.5°	2081.8	2119.4	2185.7	2251.9	2287.2	2322.6	2288.3	2253.9	2134.8	2004.8	1849.1
25°	1978.5	2026.7	2119.0	2211.5	2283.4	2355.3	2350.0	2344.7	2202.1	2050.1	1869.0
27.5°	1879.3	1934.3	2042.7	2151.2	2260.4	2369.5	2386.3	2403.0	2274.6	2128.1	1924.1
30°	1821.0	1867.0	1976.2	2085.4	2226.0	2366.6	2427.3	2487.8	2355.7	2199.6	1971.0
32.5°	1905.2	1917.6	1993.7	2069.8	2220.5	2371.2	2472.3	2573.3	2430.8	2260.8	2001.5
35°	2253.7	2212.9	2201.2	2189.7	2303.1	2416.7	2530.1	2643.5	2503.6	2324.2	2029.5
37.5°	2907.5	2789.9	2643.5	2497.1	2515.8	2534.6	2650.7	2766.7	2599.5	2386.4	2051.2
40°	3457.4	3318.2	3114.7	2911.2	2843.3	2775.3	2856.8	2938.3	2754.4	2498.0	2100.5
42.5°	3890.9	3701.2	3478.0	3254.6	3169.7	3084.7	3131.1	3177.5	2924.0	2601.4	2147.4
45°	4428.9	4131.8	3852.2	3572.6	3532.4	3491.8	3539.8	3587.6	3198.2	2744.9	2211.7
47.5°	5170.9	4736.8	4360.1	3983.4	4017.5	4051.4	4162.7	4274.0	3657.3	2975.8	2314.2
50°	6211.9	5579.6	5048.0	4516.5	4675.1	4833.8	5007.7	5181.7	4314.4	3345.5	2495.4
52.5°	7218.6	6397.4	5768.3	5139.3	5418.2	5697.1	5856.8	6016.5	4887.5	3644.6	2634.2
55°	8567.1	7515.1	6817.3	6119.4	6496.8	6874.2	6807.4	6740.6	5272.4	3766.9	2670.5
57.5°	10197.2	8946.8	8295.4	7644.0	8047.2	8450.6	7856.6	7262.7	5328.5	3541.6	2500.5
60°	11665.6	10309.0	9752.5	9195.9	9375.0	9554.0	8363.7	7173.2	4997.1	3046.6	2130.4
62.5°	11995.3	10768.8	10025.6	9282.3	9231.9	9181.4	7885.7	6590.2	4448.8	2559.0	1770.4
65°	11375.5	10172.5	9313.2	8453.9	8379.0	8304.2	7084.9	5865.4	3840.0	2100.5	1440.3
67.5°	10312.2	9229.3	8444.0	7658.6	7613.3	7568.1	6300.0	5031.9	3199.6	1675.1	1133.2
70°	9102.3	8300.5	7614.9	6929.0	6830.0	6731.1	5523.0	4315.1	2621.9	1288.2	880.4
72.5°	7757.7	7197.1	6694.8	6192.3	6041.0	5889.6	4674.7	3459.7	2023.1	943.4	664.1
75°	6153.5	5857.4	5549.4	5241.3	5031.9	4822.6	3683.9	2545.4	1456.0	665.2	491.1
77.5°	4693.4	4484.7	4267.4	4050.1	3828.2	3606.6	2685.8	1765.0	1002.8	464.0	361.7
80°	3346.4	3238.7	3011.7	2784.6	2535.0	2285.5	1629.3	973.3	577.2	299.5	249.8
82.5°	2238.6	2171.1	1941.1	1710.9	1462.7	1214.4	848.0	481.7	307.8	188.4	168.2
85°	1297.2	1290.3	1109.1	927.8	742.6	557.2	373.4	189.5	139.1	105.7	100.2
87.5°	600.8	604.2	506.8	409.4	314.0	218.6	143.4	68.2	53.0	44.0	42.1
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°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1392.4	1383.5	1374.8	1368.5	1362.2	1354.9	1343.4	1337.5	1331.7	1326.1	1320.4
5°	1435.7	1415.3	1395.0	1377.9	1360.8	1345.6	1331.4	1315.5	1299.6	1285.8	1272.1
7.5°	1477.4	1444.6	1411.9	1386.7	1361.5	1337.7	1314.2	1295.5	1276.7	1261.5	1246.2
10°	1527.5	1481.7	1436.1	1408.0	1380.1	1358.2	1321.1	1301.3	1281.6	1266.8	1251.9
12.5°	1577.9	1520.1	1462.6	1421.9	1381.4	1350.9	1335.4	1326.3	1317.1	1306.4	1295.6
15°	1616.8	1543.7	1470.6	1423.9	1377.4	1345.6	1336.7	1339.8	1343.0	1346.4	1350.0
17.5°	1650.0	1554.8	1459.6	1404.8	1350.2	1319.1	1333.5	1344.1	1354.5	1370.4	1386.3
20°	1683.1	1563.3	1443.3	1377.3	1311.2	1280.7	1287.2	1311.8	1336.3	1366.3	1396.4
22.5°	1693.4	1551.4	1409.2	1334.5	1259.9	1229.7	1255.8	1286.0	1316.1	1347.5	1378.7
25°	1687.9	1525.9	1364.2	1288.0	1211.8	1186.6	1213.1	1242.8	1272.3	1302.5	1332.7
27.5°	1720.2	1532.3	1344.3	1259.9	1175.3	1148.2	1173.7	1198.7	1223.7	1250.2	1276.7
30°	1742.5	1535.9	1329.3	1240.5	1151.7	1122.3	1130.7	1147.9	1165.0	1188.3	1211.4
32.5°	1742.2	1518.3	1294.3	1211.0	1127.6	1101.1	1109.3	1116.5	1123.7	1140.2	1156.8
35°	1734.8	1493.2	1251.5	1175.2	1098.7	1078.6	1076.1	1075.7	1075.3	1082.7	1090.3
37.5°	1716.0	1456.0	1195.9	1123.0	1050.1	1035.5	1030.0	1025.3	1020.6	1025.5	1030.2
40°	1703.0	1419.9	1136.9	1066.5	996.2	991.1	987.2	980.5	973.9	974.5	975.0
42.5°	1693.4	1390.0	1086.6	1019.1	951.7	942.1	931.5	928.3	925.2	923.4	921.6
45°	1678.6	1366.0	1053.4	985.6	917.6	889.8	889.4	882.2	875.2	877.7	880.1
47.5°	1652.6	1341.1	1029.6	968.1	906.6	862.6	846.2	842.5	838.8	842.7	846.7
50°	1645.5	1332.0	1018.7	962.3	906.1	841.4	810.4	808.2	805.9	817.3	828.4
52.5°	1623.9	1309.0	994.1	950.6	907.0	842.7	800.7	794.9	789.1	805.6	822.2
55°	1574.2	1261.7	949.4	933.4	917.2	879.2	805.6	786.7	767.9	788.1	808.3
57.5°	1459.6	1191.1	922.5	912.4	902.4	903.0	819.9	783.9	748.0	767.9	787.8
60°	1214.0	1058.7	903.4	873.1	842.7	871.9	822.9	781.0	739.1	750.6	762.2
62.5°	981.9	908.2	834.5	810.3	786.0	820.2	802.7	767.2	731.7	730.4	729.1
65°	780.2	765.6	751.0	745.7	740.4	749.3	759.3	736.1	712.9	702.5	692.3
67.5°	591.2	604.4	617.5	643.2	668.9	672.5	695.7	682.9	670.2	662.3	654.3
70°	472.4	490.3	508.2	546.2	584.4	602.9	623.7	625.4	627.0	621.2	615.1
72.5°	384.9	400.4	416.1	459.1	502.2	542.6	565.0	565.0	565.1	562.4	559.4
75°	317.0	328.5	339.9	379.8	419.8	471.1	494.4	496.6	498.9	497.0	495.3
77.5°	259.4	265.0	270.6	306.9	343.2	403.5	427.7	433.2	438.6	436.5	434.4
80°	200.1	203.9	207.8	238.0	268.3	322.0	350.2	358.2	366.0	365.5	364.7
82.5°	147.7	149.9	152.1	175.0	198.1	236.5	266.9	279.2	291.5	300.5	309.4
85°	94.7	95.9	97.0	111.4	125.9	149.7	180.5	203.3	225.9	242.5	259.1
87.5°	40.0	38.7	37.4	44.8	51.9	64.9	102.3	125.5	148.7	157.2	165.6
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: P1209236

CATALOG NUMBER: UPW-SA2-110-727-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1315.1	1309.8	1305.9	1301.9	1294.1	1286.4	1282.0	1277.6	1276.2	1274.7	1277.9
5°	1263.4	1254.8	1245.6	1236.3	1229.1	1222.0	1216.4	1210.8	1208.5	1206.1	1206.9
7.5°	1233.8	1221.4	1212.6	1203.8	1202.1	1200.5	1196.8	1193.2	1192.8	1192.6	1193.6
10°	1240.5	1229.4	1223.2	1217.1	1215.1	1213.1	1213.0	1212.7	1216.4	1220.1	1223.2
12.5°	1284.3	1273.1	1273.5	1274.0	1264.4	1254.8	1252.3	1249.8	1254.6	1259.1	1260.8
15°	1346.9	1343.9	1332.9	1321.8	1310.4	1298.8	1295.1	1291.3	1290.9	1290.6	1289.0
17.5°	1392.9	1399.5	1386.5	1373.4	1355.0	1336.7	1328.0	1319.5	1315.7	1311.8	1310.0
20°	1407.4	1418.5	1405.9	1393.3	1372.8	1352.2	1338.6	1325.1	1323.1	1321.1	1321.0
22.5°	1388.5	1398.2	1391.2	1384.0	1361.9	1339.6	1324.9	1310.2	1304.0	1297.9	1300.6
25°	1346.4	1360.2	1358.5	1356.9	1333.8	1310.8	1294.6	1278.4	1275.4	1272.3	1271.5
27.5°	1292.1	1307.6	1309.7	1311.8	1294.6	1277.4	1262.3	1247.2	1244.5	1241.9	1245.3
30°	1227.3	1243.2	1248.7	1254.2	1243.2	1232.3	1222.0	1211.8	1212.3	1212.7	1217.9
32.5°	1171.9	1187.0	1195.3	1203.8	1202.0	1200.2	1196.3	1192.3	1187.0	1181.7	1183.4
35°	1103.9	1117.7	1134.0	1150.2	1152.3	1154.4	1156.0	1157.4	1157.4	1157.4	1161.8
37.5°	1042.2	1054.1	1070.9	1087.9	1099.9	1112.0	1117.6	1123.0	1127.4	1131.6	1133.5
40°	985.7	996.4	1012.3	1028.2	1050.6	1073.0	1085.4	1097.8	1098.3	1098.7	1096.1
42.5°	930.7	939.7	963.9	987.8	1012.9	1037.8	1048.8	1059.8	1064.6	1069.3	1070.5
45°	891.6	903.0	923.8	944.8	973.4	1002.0	1015.7	1029.3	1031.7	1034.2	1033.6
47.5°	858.4	869.9	895.5	920.9	948.9	976.8	991.3	1005.7	1007.8	1010.0	1011.7
50°	841.7	854.9	877.1	899.1	928.9	958.7	978.6	998.4	997.8	997.1	991.8
52.5°	832.3	842.5	863.1	883.8	916.4	949.0	968.4	987.4	989.2	990.9	987.8
55°	820.5	832.8	855.7	878.5	907.5	936.6	955.1	973.7	975.5	977.6	971.8
57.5°	809.0	830.2	853.3	876.5	906.2	935.8	951.7	967.6	964.0	960.4	955.9
60°	792.5	822.9	844.7	866.6	894.2	921.6	932.6	943.4	939.2	934.8	925.0
62.5°	761.6	794.0	819.0	844.1	869.1	894.2	901.8	909.7	905.5	901.3	890.3
65°	721.0	749.7	776.4	803.0	823.7	844.3	853.9	863.3	856.5	849.6	838.6
67.5°	682.3	710.2	730.8	751.3	771.8	792.4	800.2	808.0	800.5	793.1	778.5
70°	635.8	656.2	682.5	708.9	720.3	731.7	736.1	740.4	733.3	726.1	716.9
72.5°	579.7	600.0	617.3	634.7	645.4	656.2	661.2	666.2	658.3	650.3	637.9
75°	512.7	530.0	545.9	561.8	573.5	585.0	588.1	591.0	581.0	571.1	558.1
77.5°	445.0	455.6	462.3	469.1	482.3	495.6	498.1	500.6	493.1	485.6	473.6
80°	369.7	374.7	376.5	378.3	388.1	397.8	400.4	403.1	399.5	395.9	385.9
82.5°	312.7	316.0	301.5	286.9	294.7	302.4	308.5	314.3	312.7	311.1	302.8
85°	249.2	239.6	201.9	164.3	179.1	194.1	204.1	214.0	215.7	217.3	211.5
87.5°	152.5	139.4	111.8	84.1	96.2	108.4	118.2	128.3	121.8	115.3	102.0
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: P1209236

CATALOG NUMBER: UPW-SA2-110-727-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1281.1	1285.3	1281.1	1277.9	1274.7	1276.2	1277.6	1282.0	1286.4	1294.1	1301.9
5°	1207.4	1207.1	1207.4	1206.9	1206.1	1208.5	1210.8	1216.4	1222.0	1229.1	1236.3
7.5°	1194.5	1189.9	1194.5	1193.6	1192.6	1192.8	1193.2	1196.8	1200.5	1202.1	1203.8
10°	1226.3	1224.4	1226.3	1223.2	1220.1	1216.4	1212.7	1213.0	1213.1	1215.1	1217.1
12.5°	1262.5	1258.8	1262.5	1260.8	1259.1	1254.6	1249.8	1252.3	1254.8	1264.4	1274.0
15°	1287.3	1285.3	1287.3	1289.0	1290.6	1290.9	1291.3	1295.1	1298.8	1310.4	1321.8
17.5°	1308.1	1310.5	1308.1	1310.0	1311.8	1315.7	1319.5	1328.0	1336.7	1355.0	1373.4
20°	1320.8	1319.8	1320.8	1321.0	1321.1	1323.1	1325.1	1338.6	1352.2	1372.8	1393.3
22.5°	1303.2	1311.8	1303.2	1300.6	1297.9	1304.0	1310.2	1324.9	1339.6	1361.9	1384.0
25°	1270.7	1266.8	1270.7	1271.5	1272.3	1275.4	1278.4	1294.6	1310.8	1333.8	1356.9
27.5°	1248.5	1250.9	1248.5	1245.3	1241.9	1244.5	1247.2	1262.3	1277.4	1294.6	1311.8
30°	1223.0	1232.3	1223.0	1217.9	1212.7	1212.3	1211.8	1222.0	1232.3	1243.2	1254.2
32.5°	1185.3	1192.6	1185.3	1183.4	1181.7	1187.0	1192.3	1196.3	1200.2	1202.0	1203.8
35°	1166.1	1175.3	1166.1	1161.8	1157.4	1157.4	1157.4	1156.0	1154.4	1152.3	1150.2
37.5°	1135.3	1135.6	1135.3	1133.5	1131.6	1127.4	1123.0	1117.6	1112.0	1099.9	1087.9
40°	1093.4	1094.5	1093.4	1096.1	1098.7	1098.3	1097.8	1085.4	1073.0	1050.6	1028.2
42.5°	1071.7	1074.6	1071.7	1070.5	1069.3	1064.6	1059.8	1048.8	1037.8	1012.9	987.8
45°	1032.9	1029.6	1032.9	1033.6	1034.2	1031.7	1029.3	1015.7	1002.0	973.4	944.8
47.5°	1013.4	1016.3	1013.4	1011.7	1010.0	1007.8	1005.7	991.3	976.8	948.9	920.9
50°	986.5	984.5	986.5	991.8	997.1	997.8	998.4	978.6	958.7	928.9	899.1
52.5°	984.8	985.8	984.8	987.8	990.9	989.2	987.4	968.4	949.0	916.4	883.8
55°	966.0	962.0	966.0	971.8	977.6	975.5	973.7	955.1	936.6	907.5	878.5
57.5°	951.4	952.7	951.4	955.9	960.4	964.0	967.6	951.7	935.8	906.2	876.5
60°	915.4	907.7	915.4	925.0	934.8	939.2	943.4	932.6	921.6	894.2	866.6
62.5°	879.2	865.3	879.2	890.3	901.3	905.5	909.7	901.8	894.2	869.1	844.1
65°	827.5	820.2	827.5	838.6	849.6	856.5	863.3	853.9	844.3	823.7	803.0
67.5°	763.9	752.6	763.9	778.5	793.1	800.5	808.0	800.2	792.4	771.8	751.3
70°	707.6	699.6	707.6	716.9	726.1	733.3	740.4	736.1	731.7	720.3	708.9
72.5°	625.4	617.5	625.4	637.9	650.3	658.3	666.2	661.2	656.2	645.4	634.7
75°	545.3	534.0	545.3	558.1	571.1	581.0	591.0	588.1	585.0	573.5	561.8
77.5°	461.4	450.5	461.4	473.6	485.6	493.1	500.6	498.1	495.6	482.3	469.1
80°	376.1	361.7	376.1	385.9	395.9	399.5	403.1	400.4	397.8	388.1	378.3
82.5°	294.4	282.2	294.4	302.8	311.1	312.7	314.3	308.5	302.4	294.7	286.9
85°	205.6	196.1	205.6	211.5	217.3	215.7	214.0	204.1	194.1	179.1	164.3
87.5°	88.8	74.2	88.8	102.0	115.3	121.8	128.3	118.2	108.4	96.2	84.1
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: P1209236

CATALOG NUMBER: UPW-SA2-110-727-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1305.9	1309.8	1315.1	1320.4	1326.1	1331.7	1337.5	1343.4	1354.9	1362.2	1368.5
5°	1245.6	1254.8	1263.4	1272.1	1285.8	1299.6	1315.5	1331.4	1345.6	1360.8	1377.9
7.5°	1212.6	1221.4	1233.8	1246.2	1261.5	1276.7	1295.5	1314.2	1337.7	1361.5	1386.7
10°	1223.2	1229.4	1240.5	1251.9	1266.8	1281.6	1301.3	1321.1	1358.2	1380.1	1408.0
12.5°	1273.5	1273.1	1284.3	1295.6	1306.4	1317.1	1326.3	1335.4	1350.9	1381.4	1421.9
15°	1332.9	1343.9	1346.9	1350.0	1346.4	1343.0	1339.8	1336.7	1345.6	1377.4	1423.9
17.5°	1386.5	1399.5	1392.9	1386.3	1370.4	1354.5	1344.1	1333.5	1319.1	1350.2	1404.8
20°	1405.9	1418.5	1407.4	1396.4	1366.3	1336.3	1311.8	1287.2	1280.7	1311.2	1377.3
22.5°	1391.2	1398.2	1388.5	1378.7	1347.5	1316.1	1286.0	1255.8	1229.7	1259.9	1334.5
25°	1358.5	1360.2	1346.4	1332.7	1302.5	1272.3	1242.8	1213.1	1186.6	1211.8	1288.0
27.5°	1309.7	1307.6	1292.1	1276.7	1250.2	1223.7	1198.7	1173.7	1148.2	1175.3	1259.9
30°	1248.7	1243.2	1227.3	1211.4	1188.3	1165.0	1147.9	1130.7	1122.3	1151.7	1240.5
32.5°	1195.3	1187.0	1171.9	1156.8	1140.2	1123.7	1116.5	1109.3	1101.1	1127.6	1211.0
35°	1134.0	1117.7	1103.9	1090.3	1082.7	1075.3	1075.7	1076.1	1078.6	1098.7	1175.2
37.5°	1070.9	1054.1	1042.2	1030.2	1025.5	1020.6	1025.3	1030.0	1035.5	1050.1	1123.0
40°	1012.3	996.4	985.7	975.0	974.5	973.9	980.5	987.2	991.1	996.2	1066.5
42.5°	963.9	939.7	930.7	921.6	923.4	925.2	928.3	931.5	942.1	951.7	1019.1
45°	923.8	903.0	891.6	880.1	877.7	875.2	882.2	889.4	889.8	917.6	985.6
47.5°	895.5	869.9	858.4	846.7	842.7	838.8	842.5	846.2	862.6	906.6	968.1
50°	877.1	854.9	841.7	828.4	817.3	805.9	808.2	810.4	841.4	906.1	962.3
52.5°	863.1	842.5	832.3	822.2	805.6	789.1	794.9	800.7	842.7	907.0	950.6
55°	855.7	832.8	820.5	808.3	788.1	767.9	786.7	805.6	879.2	917.2	933.4
57.5°	853.3	830.2	809.0	787.8	767.9	748.0	783.9	819.9	903.0	902.4	912.4
60°	844.7	822.9	792.5	762.2	750.6	739.1	781.0	822.9	871.9	842.7	873.1
62.5°	819.0	794.0	761.6	729.1	730.4	731.7	767.2	802.7	820.2	786.0	810.3
65°	776.4	749.7	721.0	692.3	702.5	712.9	736.1	759.3	749.3	740.4	745.7
67.5°	730.8	710.2	682.3	654.3	662.3	670.2	682.9	695.7	672.5	668.9	643.2
70°	682.5	656.2	635.8	615.1	621.2	627.0	625.4	623.7	602.9	584.4	546.2
72.5°	617.3	600.0	579.7	559.4	562.4	565.1	565.0	565.0	542.6	502.2	459.1
75°	545.9	530.0	512.7	495.3	497.0	498.9	496.6	494.4	471.1	419.8	379.8
77.5°	462.3	455.6	445.0	434.4	436.5	438.6	433.2	427.7	403.5	343.2	306.9
80°	376.5	374.7	369.7	364.7	365.5	366.0	358.2	350.2	322.0	268.3	238.0
82.5°	301.5	316.0	312.7	309.4	300.5	291.5	279.2	266.9	236.5	198.1	175.0
85°	201.9	239.6	249.2	259.1	242.5	225.9	203.3	180.5	149.7	125.9	111.4
87.5°	111.8	139.4	152.5	165.6	157.2	148.7	125.5	102.3	64.9	51.9	44.8
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: P1209236

CATALOG NUMBER: UPW-SA2-110-727-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1374.8	1383.5	1392.4	1397.3	1402.2	1403.5	1407.2
5°	1395.0	1415.3	1435.7	1457.4	1479.0	1494.3	1505.3
7.5°	1411.9	1444.6	1477.4	1512.0	1546.6	1588.6	1638.4
10°	1436.1	1481.7	1527.5	1586.2	1645.1	1694.0	1735.2
12.5°	1462.6	1520.1	1577.9	1648.9	1719.9	1789.0	1852.4
15°	1470.6	1543.7	1616.8	1710.5	1804.1	1891.1	1968.4
17.5°	1459.6	1554.8	1650.0	1760.9	1871.7	1983.2	2096.3
20°	1443.3	1563.3	1683.1	1817.7	1952.1	2072.9	2187.0
22.5°	1409.2	1551.4	1693.4	1849.1	2004.8	2134.8	2253.9
25°	1364.2	1525.9	1687.9	1869.0	2050.1	2202.1	2344.7
27.5°	1344.3	1532.3	1720.2	1924.1	2128.1	2274.6	2403.0
30°	1329.3	1535.9	1742.5	1971.0	2199.6	2355.7	2487.8
32.5°	1294.3	1518.3	1742.2	2001.5	2260.8	2430.8	2573.3
35°	1251.5	1493.2	1734.8	2029.5	2324.2	2503.6	2643.5
37.5°	1195.9	1456.0	1716.0	2051.2	2386.4	2599.5	2766.7
40°	1136.9	1419.9	1703.0	2100.5	2498.0	2754.4	2938.3
42.5°	1086.6	1390.0	1693.4	2147.4	2601.4	2924.0	3177.5
45°	1053.4	1366.0	1678.6	2211.7	2744.9	3198.2	3587.6
47.5°	1029.6	1341.1	1652.6	2314.2	2975.8	3657.3	4274.0
50°	1018.7	1332.0	1645.5	2495.4	3345.5	4314.4	5181.7
52.5°	994.1	1309.0	1623.9	2634.2	3644.6	4887.5	6016.5
55°	949.4	1261.7	1574.2	2670.5	3766.9	5272.4	6740.6
57.5°	922.5	1191.1	1459.6	2500.5	3541.6	5328.5	7262.7
60°	903.4	1058.7	1214.0	2130.4	3046.6	4997.1	7173.2
62.5°	834.5	908.2	981.9	1770.4	2559.0	4448.8	6590.2
65°	751.0	765.6	780.2	1440.3	2100.5	3840.0	5865.4
67.5°	617.5	604.4	591.2	1133.2	1675.1	3199.6	5031.9
70°	508.2	490.3	472.4	880.4	1288.2	2621.9	4315.1
72.5°	416.1	400.4	384.9	664.1	943.4	2023.1	3459.7
75°	339.9	328.5	317.0	491.1	665.2	1456.0	2545.4
77.5°	270.6	265.0	259.4	361.7	464.0	1002.8	1765.0
80°	207.8	203.9	200.1	249.8	299.5	577.2	973.3
82.5°	152.1	149.9	147.7	168.2	188.4	307.8	481.7
85°	97.0	95.9	94.7	100.2	105.7	139.1	189.5
87.5°	37.4	38.7	40.0	42.1	44.0	53.0	68.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)