

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: P1209074

Luminaire Tested: UPW-SA2-090-740-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209074
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-SA2-090-740-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 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: 11455 lumens
Efficiency: N/A
Efficacy: 133.2 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

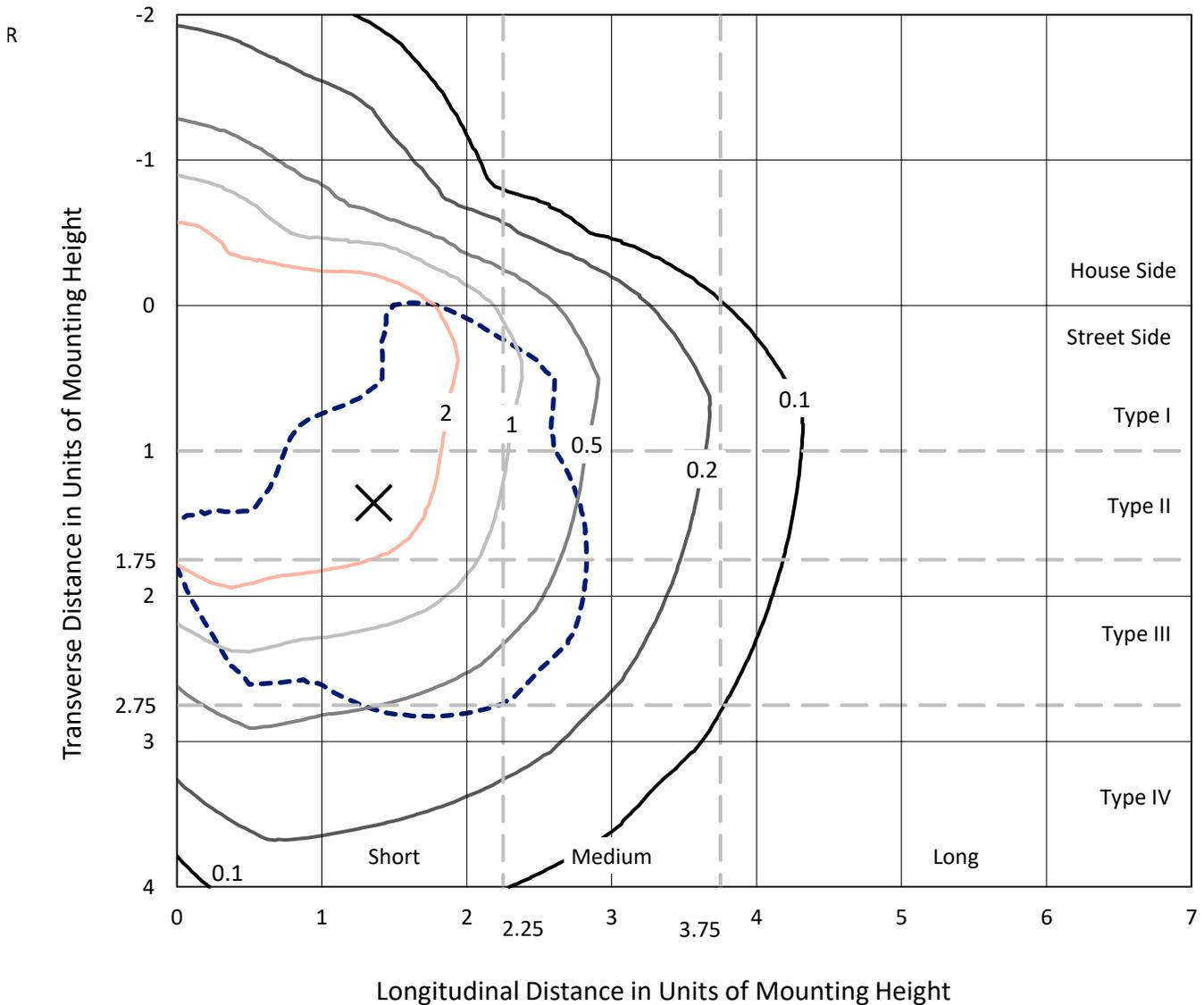


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

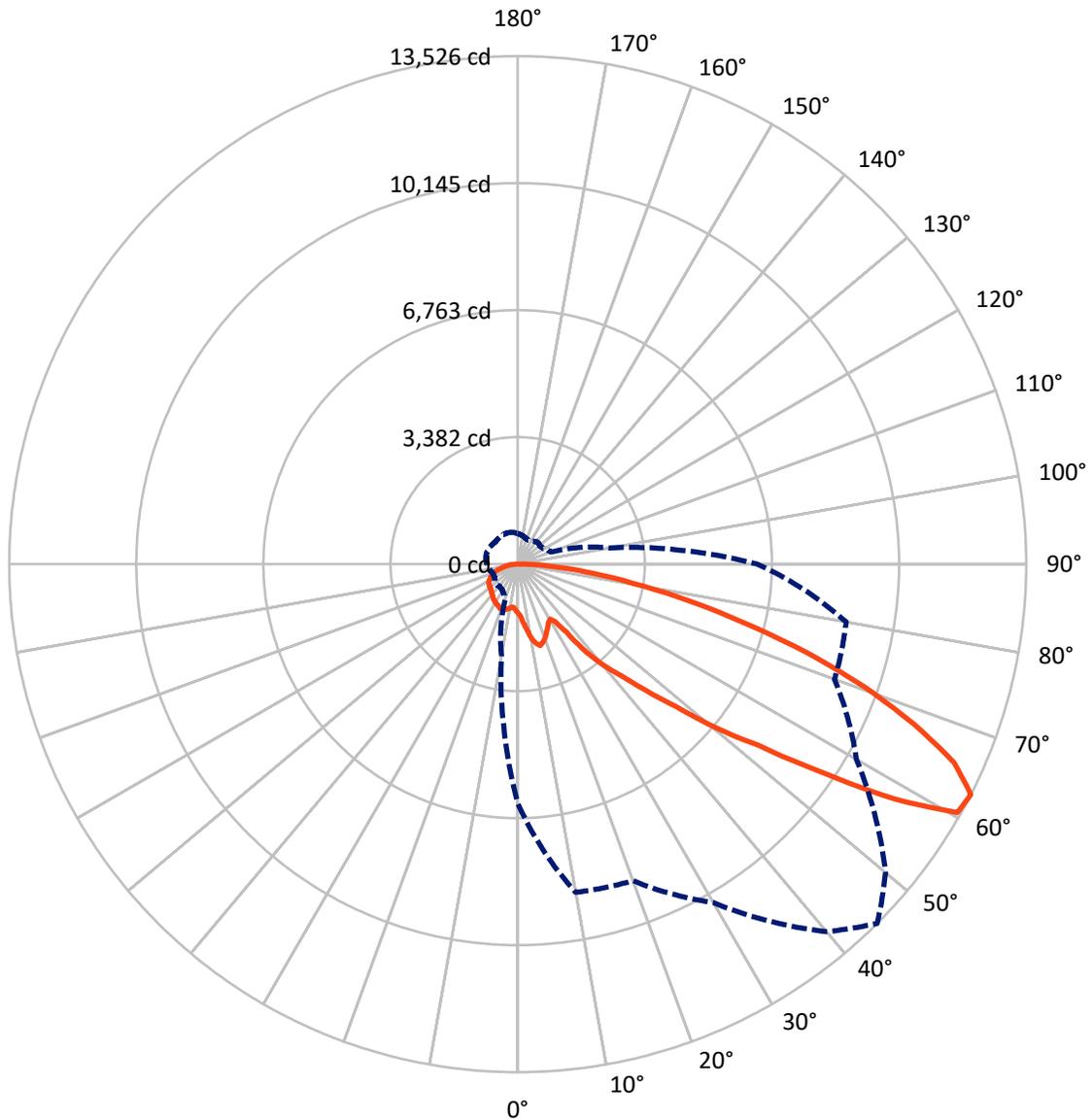


Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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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	2807.2	0.0	2807.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	8647.8	0.0	8647.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	11455.0	0.0	11455.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	1.1
10°-20°	439.5	3.8
20°-30°	714.8	6.2
30°-40°	974.9	8.5
40°-50°	1476.2	12.9
50°-60°	2538.4	22.2
60°-70°	2976.8	26.0
70°-80°	1775.4	15.5
80°-90°	428.8	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°	11455.0	100.0
0°-180°	11455.0	100.0



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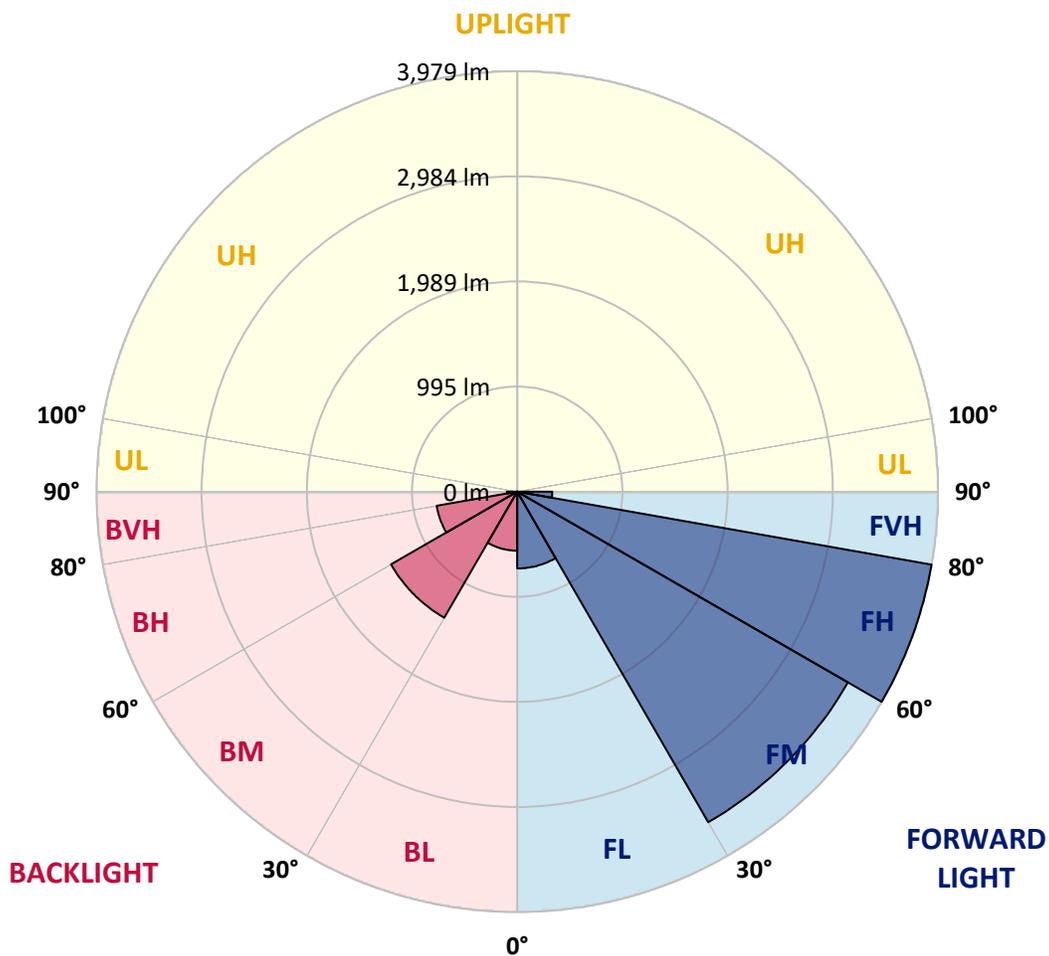
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	726.1	6.3			
FM	(30°-60°)	3611.6	31.5			
FH	(60°-80°)	3978.7	34.7			G2/5000
FVH	(80°-90°)	331.4	2.9			G3/500
BL	(0°-30°)	558.4	4.9	B2/1000		
BM	(30°-60°)	1377.8	12.0	B2/2500		
BH	(60°-80°)	773.5	6.8	B2/1000		G2/1000
BVH	(80°-90°)	97.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1359.5	1365.3	1371.0	1373.5	1375.9	1378.2	1380.6	1382.4	1384.3	1380.0	1384.3
5°	1454.2	1472.2	1490.1	1505.6	1521.1	1532.8	1544.5	1550.2	1556.1	1565.6	1556.1
7.5°	1582.9	1607.3	1631.9	1665.6	1699.4	1722.3	1745.1	1755.1	1765.1	1767.9	1765.1
10°	1676.3	1739.1	1801.8	1839.0	1876.4	1903.7	1931.1	1954.5	1978.1	2004.7	1978.1
12.5°	1789.6	1861.1	1932.4	1986.1	2039.9	2074.5	2109.0	2132.2	2155.5	2163.4	2155.5
15°	1901.6	1979.6	2057.4	2107.9	2158.3	2185.2	2212.1	2223.6	2235.1	2249.2	2235.1
17.5°	2025.2	2083.6	2141.9	2175.2	2208.5	2209.6	2210.8	2196.3	2181.9	2178.8	2181.9
20°	2112.9	2161.1	2209.5	2210.2	2210.8	2182.0	2153.2	2128.1	2103.1	2091.7	2103.1
22.5°	2177.5	2210.7	2243.8	2209.6	2175.6	2111.6	2047.6	2011.2	1974.9	1965.0	1974.9
25°	2265.2	2270.3	2275.4	2205.9	2136.6	2047.2	1958.0	1911.4	1864.7	1853.6	1864.7
27.5°	2321.5	2305.4	2289.1	2183.8	2078.3	1973.5	1868.7	1815.6	1762.5	1747.4	1762.5
30°	2403.5	2345.0	2286.3	2150.5	2014.7	1909.2	1803.7	1759.3	1714.9	1701.3	1714.9
32.5°	2486.0	2388.5	2290.8	2145.3	1999.6	1926.1	1852.6	1840.6	1828.4	1819.1	1828.4
35°	2553.9	2444.3	2334.7	2225.0	2115.4	2126.6	2137.8	2177.3	2216.8	2215.9	2216.8
37.5°	2672.9	2560.8	2448.7	2430.5	2412.4	2553.9	2695.3	2808.9	2922.3	2981.4	2922.3
40°	2838.7	2760.0	2681.3	2746.9	2812.5	3009.1	3205.7	3340.1	3474.6	3572.9	3474.6
42.5°	3069.8	3025.0	2980.2	3062.2	3144.3	3360.1	3575.7	3759.0	3942.1	4079.8	3942.1
45°	3466.0	3419.8	3373.4	3412.6	3451.5	3721.6	3991.7	4278.7	4565.7	4808.2	4565.7
47.5°	4129.1	4021.6	3914.0	3881.3	3848.4	4212.3	4576.2	4995.6	5415.2	5664.6	5415.2
50°	5006.0	4837.9	4669.9	4516.6	4363.4	4876.8	5390.4	6001.3	6612.2	6869.2	6612.2
52.5°	5812.5	5658.2	5504.0	5234.5	4965.0	5572.7	6180.5	6973.8	7767.1	8013.7	7767.1
55°	6512.1	6576.6	6641.1	6276.5	5911.9	6586.2	7260.3	8276.6	9292.8	9727.8	9292.8
57.5°	7016.4	7590.2	8164.1	7774.4	7384.9	8014.2	8643.5	9851.4	11059.5	11787.5	11059.5
60°	6930.0	8080.1	9230.1	9057.1	8884.2	9421.8	9959.5	11270.1	12580.8	13431.2	12580.8
62.5°	6366.8	7618.4	8870.1	8918.9	8967.6	9685.7	10403.7	11588.6	12773.5	13526.0	12773.5
65°	5666.5	6844.6	8022.6	8095.0	8167.3	8997.5	9827.6	10989.9	12152.1	12759.1	12152.1
67.5°	4861.3	6086.4	7311.5	7355.2	7398.9	8157.7	8916.4	9962.6	11008.7	11357.4	11008.7
70°	4168.8	5335.7	6502.9	6598.5	6694.1	7356.7	8019.0	8793.7	9568.3	9767.5	9568.3
72.5°	3342.4	4516.2	5690.0	5836.2	5982.3	6467.8	6953.1	7494.7	8036.2	8017.5	8036.2
75°	2459.1	3559.0	4659.1	4861.3	5063.6	5361.2	5658.9	5944.8	6230.9	6149.8	6230.9
77.5°	1705.1	2594.7	3484.3	3698.5	3912.7	4122.7	4332.6	4534.3	4735.9	4608.5	4735.9
80°	940.3	1574.1	2208.0	2449.0	2690.2	2909.6	3128.9	3233.0	3336.9	3122.3	3336.9
82.5°	465.3	819.3	1173.2	1413.1	1652.9	1875.3	2097.5	2162.7	2227.7	2022.6	2227.7
85°	183.1	360.7	538.3	717.4	896.4	1071.5	1246.6	1253.3	1260.0	1112.4	1260.0
87.5°	65.9	138.5	211.2	303.4	395.6	489.7	583.7	580.4	577.0	476.2	577.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1382.4	1380.6	1378.2	1375.9	1373.5	1371.0	1365.3	1359.5	1355.9	1354.6	1349.9
5°	1550.2	1544.5	1532.8	1521.1	1505.6	1490.1	1472.2	1454.2	1443.6	1428.9	1408.0
7.5°	1755.1	1745.1	1722.3	1699.4	1665.6	1631.9	1607.3	1582.9	1534.8	1494.2	1460.8
10°	1954.5	1931.1	1903.7	1876.4	1839.0	1801.8	1739.1	1676.3	1636.5	1589.3	1532.5
12.5°	2132.2	2109.0	2074.5	2039.9	1986.1	1932.4	1861.1	1789.6	1728.3	1661.6	1593.0
15°	2223.6	2212.1	2185.2	2158.3	2107.9	2057.4	1979.6	1901.6	1827.0	1742.9	1652.5
17.5°	2196.3	2210.8	2209.6	2208.5	2175.2	2141.9	2083.6	2025.2	1916.0	1808.2	1701.2
20°	2128.1	2153.2	2182.0	2210.8	2210.2	2209.5	2161.1	2112.9	2002.6	1885.9	1756.1
22.5°	2011.2	2047.6	2111.6	2175.6	2209.6	2243.8	2210.7	2177.5	2062.4	1936.9	1786.4
25°	1911.4	1958.0	2047.2	2136.6	2205.9	2275.4	2270.3	2265.2	2127.5	1980.6	1805.6
27.5°	1815.6	1868.7	1973.5	2078.3	2183.8	2289.1	2305.4	2321.5	2197.5	2055.9	1858.9
30°	1759.3	1803.7	1909.2	2014.7	2150.5	2286.3	2345.0	2403.5	2275.8	2125.0	1904.2
32.5°	1840.6	1852.6	1926.1	1999.6	2145.3	2290.8	2388.5	2486.0	2348.4	2184.2	1933.7
35°	2177.3	2137.8	2126.6	2115.4	2225.0	2334.7	2444.3	2553.9	2418.7	2245.4	1960.7
37.5°	2808.9	2695.3	2553.9	2412.4	2430.5	2448.7	2560.8	2672.9	2511.4	2305.5	1981.7
40°	3340.1	3205.7	3009.1	2812.5	2746.9	2681.3	2760.0	2838.7	2661.0	2413.3	2029.3
42.5°	3759.0	3575.7	3360.1	3144.3	3062.2	2980.2	3025.0	3069.8	2824.9	2513.2	2074.6
45°	4278.7	3991.7	3721.6	3451.5	3412.6	3373.4	3419.8	3466.0	3089.7	2651.8	2136.7
47.5°	4995.6	4576.2	4212.3	3848.4	3881.3	3914.0	4021.6	4129.1	3533.3	2874.9	2235.8
50°	6001.3	5390.4	4876.8	4363.4	4516.6	4669.9	4837.9	5006.0	4168.1	3232.1	2410.8
52.5°	6973.8	6180.5	5572.7	4965.0	5234.5	5504.0	5658.2	5812.5	4721.8	3521.0	2544.9
55°	8276.6	7260.3	6586.2	5911.9	6276.5	6641.1	6576.6	6512.1	5093.7	3639.2	2580.0
57.5°	9851.4	8643.5	8014.2	7384.9	7774.4	8164.1	7590.2	7016.4	5147.8	3421.6	2415.8
60°	11270.1	9959.5	9421.8	8884.2	9057.1	9230.1	8080.1	6930.0	4827.7	2943.3	2058.2
62.5°	11588.6	10403.7	9685.7	8967.6	8918.9	8870.1	7618.4	6366.8	4297.9	2472.2	1710.4
65°	10989.9	9827.6	8997.5	8167.3	8095.0	8022.6	6844.6	5666.5	3709.8	2029.3	1391.5
67.5°	9962.6	8916.4	8157.7	7398.9	7355.2	7311.5	6086.4	4861.3	3091.2	1618.4	1094.8
70°	8793.7	8019.0	7356.7	6694.1	6598.5	6502.9	5335.7	4168.8	2533.0	1244.6	850.5
72.5°	7494.7	6953.1	6467.8	5982.3	5836.2	5690.0	4516.2	3342.4	1954.5	911.5	641.6
75°	5944.8	5658.9	5361.2	5063.6	4861.3	4659.1	3559.0	2459.1	1406.6	642.6	474.4
77.5°	4534.3	4332.6	4122.7	3912.7	3698.5	3484.3	2594.7	1705.1	968.8	448.3	349.5
80°	3233.0	3128.9	2909.6	2690.2	2449.0	2208.0	1574.1	940.3	557.6	289.3	241.3
82.5°	2162.7	2097.5	1875.3	1652.9	1413.1	1173.2	819.3	465.3	297.4	182.0	162.4
85°	1253.3	1246.6	1071.5	896.4	717.4	538.3	360.7	183.1	134.4	102.2	96.8
87.5°	580.4	583.7	489.7	395.6	303.4	211.2	138.5	65.9	51.2	42.5	40.7
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°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1345.2	1336.6	1328.1	1322.1	1316.0	1308.9	1297.8	1292.2	1286.5	1281.2	1275.7
5°	1387.0	1367.3	1347.7	1331.2	1314.7	1300.0	1286.3	1270.9	1255.6	1242.2	1228.9
7.5°	1427.4	1395.6	1364.0	1339.7	1315.3	1292.3	1269.6	1251.6	1233.4	1218.7	1204.0
10°	1475.7	1431.5	1387.4	1360.3	1333.3	1312.1	1276.3	1257.2	1238.2	1223.8	1209.5
12.5°	1524.4	1468.6	1413.0	1373.7	1334.5	1305.1	1290.1	1281.3	1272.5	1262.1	1251.7
15°	1562.0	1491.4	1420.7	1375.6	1330.7	1300.0	1291.4	1294.3	1297.4	1300.7	1304.2
17.5°	1594.0	1502.1	1410.1	1357.2	1304.5	1274.4	1288.3	1298.6	1308.6	1323.9	1339.3
20°	1626.0	1510.3	1394.3	1330.6	1266.7	1237.3	1243.5	1267.3	1291.0	1320.0	1349.0
22.5°	1636.0	1498.8	1361.4	1289.2	1217.2	1188.0	1213.2	1242.4	1271.4	1301.8	1332.0
25°	1630.6	1474.2	1317.9	1244.3	1170.7	1146.4	1172.0	1200.6	1229.2	1258.4	1287.6
27.5°	1661.9	1480.4	1298.7	1217.2	1135.5	1109.2	1133.9	1158.0	1182.2	1207.8	1233.4
30°	1683.4	1483.8	1284.2	1198.5	1112.7	1084.3	1092.3	1109.0	1125.5	1148.0	1170.3
32.5°	1683.1	1466.8	1250.4	1169.9	1089.4	1063.8	1071.7	1078.6	1085.6	1101.6	1117.6
35°	1676.0	1442.6	1209.1	1135.4	1061.5	1042.0	1039.6	1039.2	1038.8	1046.0	1053.3
37.5°	1657.8	1406.6	1155.3	1084.9	1014.5	1000.4	995.1	990.6	986.0	990.7	995.3
40°	1645.2	1371.8	1098.4	1030.4	962.4	957.5	953.7	947.3	940.9	941.4	941.9
42.5°	1636.0	1342.9	1049.7	984.6	919.4	910.2	899.9	896.9	893.8	892.1	890.3
45°	1621.7	1319.7	1017.7	952.2	886.5	859.6	859.2	852.3	845.5	848.0	850.3
47.5°	1596.6	1295.6	994.7	935.3	875.9	833.4	817.5	813.9	810.3	814.2	818.0
50°	1589.7	1286.8	984.2	929.6	875.4	812.9	782.9	780.8	778.6	789.6	800.3
52.5°	1568.8	1264.6	960.4	918.4	876.3	814.2	773.6	768.0	762.3	778.3	794.3
55°	1520.8	1218.9	917.2	901.7	886.1	849.4	778.3	760.0	741.8	761.4	780.9
57.5°	1410.1	1150.7	891.2	881.5	871.8	872.4	792.2	757.3	722.6	741.8	761.0
60°	1172.9	1022.8	872.8	843.5	814.2	842.3	795.0	754.5	714.1	725.2	736.3
62.5°	948.6	877.4	806.2	782.8	759.4	792.4	775.5	741.2	706.9	705.6	704.3
65°	753.7	739.7	725.6	720.5	715.3	723.9	733.5	711.1	688.7	678.7	668.9
67.5°	571.2	583.9	596.5	621.4	646.2	649.7	672.1	659.8	647.5	639.8	632.1
70°	456.4	473.7	490.9	527.7	564.5	582.5	602.6	604.2	605.8	600.1	594.2
72.5°	371.9	386.9	402.0	443.6	485.2	524.2	545.9	545.9	546.0	543.3	540.5
75°	306.2	317.3	328.4	366.9	405.5	455.1	477.6	479.8	482.0	480.2	478.5
77.5°	250.7	256.0	261.4	296.5	331.6	389.8	413.2	418.5	423.7	421.7	419.6
80°	193.3	197.0	200.7	229.9	259.2	311.1	338.3	346.0	353.6	353.1	352.3
82.5°	142.7	144.8	147.0	169.1	191.4	228.5	257.8	269.7	281.6	290.3	298.9
85°	91.5	92.7	93.7	107.7	121.6	144.7	174.4	196.4	218.3	234.3	250.3
87.5°	38.7	37.4	36.1	43.3	50.2	62.7	98.8	121.2	143.6	151.8	160.0
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: P1209074

CATALOG NUMBER: UPW-SA2-090-740-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1270.5	1265.4	1261.6	1257.7	1250.2	1242.8	1238.5	1234.3	1232.9	1231.5	1234.6
5°	1220.6	1212.3	1203.3	1194.4	1187.5	1180.5	1175.2	1169.8	1167.5	1165.2	1166.0
7.5°	1191.9	1180.0	1171.5	1163.0	1161.3	1159.8	1156.2	1152.8	1152.4	1152.1	1153.1
10°	1198.5	1187.7	1181.7	1175.8	1173.9	1172.0	1171.8	1171.6	1175.2	1178.8	1181.7
12.5°	1240.7	1230.0	1230.3	1230.9	1221.5	1212.3	1209.9	1207.4	1212.0	1216.4	1218.1
15°	1301.3	1298.3	1287.7	1276.9	1265.9	1254.8	1251.2	1247.5	1247.1	1246.9	1245.3
17.5°	1345.7	1352.1	1339.5	1326.9	1309.1	1291.4	1283.0	1274.8	1271.1	1267.3	1265.5
20°	1359.6	1370.4	1358.2	1346.1	1326.2	1306.4	1293.2	1280.1	1278.2	1276.3	1276.2
22.5°	1341.5	1350.8	1344.0	1337.1	1315.7	1294.2	1280.0	1265.8	1259.8	1253.9	1256.5
25°	1300.7	1314.1	1312.4	1310.9	1288.6	1266.3	1250.7	1235.1	1232.1	1229.2	1228.4
27.5°	1248.3	1263.2	1265.3	1267.3	1250.7	1234.1	1219.5	1204.9	1202.3	1199.7	1203.1
30°	1185.7	1201.0	1206.4	1211.7	1201.0	1190.5	1180.5	1170.7	1171.2	1171.6	1176.6
32.5°	1132.2	1146.7	1154.8	1163.0	1161.2	1159.6	1155.7	1151.9	1146.7	1141.6	1143.3
35°	1066.5	1079.8	1095.5	1111.2	1113.2	1115.3	1116.8	1118.2	1118.2	1118.2	1122.4
37.5°	1006.8	1018.4	1034.6	1051.0	1062.6	1074.3	1079.7	1084.9	1089.1	1093.2	1095.0
40°	952.3	962.7	978.0	993.4	1015.0	1036.7	1048.6	1060.6	1061.1	1061.5	1058.9
42.5°	899.2	907.9	931.2	954.3	978.5	1002.6	1013.2	1023.9	1028.5	1033.1	1034.2
45°	861.4	872.4	892.5	912.7	940.4	968.0	981.2	994.4	996.7	999.1	998.5
47.5°	829.3	840.4	865.1	889.7	916.7	943.7	957.7	971.6	973.7	975.7	977.4
50°	813.1	825.9	847.3	868.6	897.4	926.2	945.4	964.6	963.9	963.3	958.2
52.5°	804.1	813.9	833.9	853.9	885.3	916.8	935.5	954.0	955.6	957.3	954.3
55°	792.7	804.6	826.7	848.7	876.8	904.8	922.7	940.6	942.4	944.5	938.9
57.5°	781.5	802.0	824.4	846.8	875.5	904.0	919.4	934.8	931.3	927.8	923.5
60°	765.7	795.0	816.1	837.2	863.8	890.3	901.0	911.5	907.4	903.1	893.7
62.5°	735.8	767.1	791.3	815.4	839.6	863.8	871.3	878.8	874.8	870.8	860.1
65°	696.5	724.3	750.0	775.8	795.7	815.7	824.9	834.0	827.5	820.8	810.2
67.5°	659.1	686.2	706.0	725.8	745.7	765.5	773.1	780.6	773.3	766.2	752.1
70°	614.2	633.9	659.4	684.9	695.9	706.9	711.1	715.3	708.4	701.5	692.6
72.5°	560.1	579.6	596.4	613.2	623.6	633.9	638.8	643.7	636.0	628.3	616.3
75°	495.3	512.1	527.4	542.8	554.0	565.2	568.1	570.9	561.3	551.7	539.2
77.5°	429.9	440.1	446.6	453.2	466.0	478.8	481.2	483.6	476.3	469.2	457.5
80°	357.2	362.0	363.7	365.5	375.0	384.3	386.9	389.4	386.0	382.5	372.8
82.5°	302.1	305.3	291.2	277.2	284.7	292.1	298.0	303.6	302.1	300.6	292.5
85°	240.8	231.4	195.1	158.7	173.1	187.5	197.1	206.7	208.4	209.9	204.3
87.5°	147.3	134.7	108.0	81.3	92.9	104.7	114.2	123.9	117.6	111.4	98.6
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: P1209074

CATALOG NUMBER: UPW-SA2-090-740-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1237.6	1241.7	1237.6	1234.6	1231.5	1232.9	1234.3	1238.5	1242.8	1250.2	1257.7
5°	1166.5	1166.2	1166.5	1166.0	1165.2	1167.5	1169.8	1175.2	1180.5	1187.5	1194.4
7.5°	1154.0	1149.6	1154.0	1153.1	1152.1	1152.4	1152.8	1156.2	1159.8	1161.3	1163.0
10°	1184.8	1182.8	1184.8	1181.7	1178.8	1175.2	1171.6	1171.8	1172.0	1173.9	1175.8
12.5°	1219.7	1216.1	1219.7	1218.1	1216.4	1212.0	1207.4	1209.9	1212.3	1221.5	1230.9
15°	1243.7	1241.7	1243.7	1245.3	1246.9	1247.1	1247.5	1251.2	1254.8	1265.9	1276.9
17.5°	1263.8	1266.1	1263.8	1265.5	1267.3	1271.1	1274.8	1283.0	1291.4	1309.1	1326.9
20°	1276.0	1275.0	1276.0	1276.2	1276.3	1278.2	1280.1	1293.2	1306.4	1326.2	1346.1
22.5°	1259.0	1267.3	1259.0	1256.5	1253.9	1259.8	1265.8	1280.0	1294.2	1315.7	1337.1
25°	1227.7	1223.8	1227.7	1228.4	1229.2	1232.1	1235.1	1250.7	1266.3	1288.6	1310.9
27.5°	1206.1	1208.5	1206.1	1203.1	1199.7	1202.3	1204.9	1219.5	1234.1	1250.7	1267.3
30°	1181.6	1190.5	1181.6	1176.6	1171.6	1171.2	1170.7	1180.5	1190.5	1201.0	1211.7
32.5°	1145.1	1152.1	1145.1	1143.3	1141.6	1146.7	1151.9	1155.7	1159.6	1161.2	1163.0
35°	1126.5	1135.5	1126.5	1122.4	1118.2	1118.2	1118.2	1116.8	1115.3	1113.2	1111.2
37.5°	1096.8	1097.1	1096.8	1095.0	1093.2	1089.1	1084.9	1079.7	1074.3	1062.6	1051.0
40°	1056.4	1057.4	1056.4	1058.9	1061.5	1061.1	1060.6	1048.6	1036.7	1015.0	993.4
42.5°	1035.4	1038.2	1035.4	1034.2	1033.1	1028.5	1023.9	1013.2	1002.6	978.5	954.3
45°	997.9	994.7	997.9	998.5	999.1	996.7	994.4	981.2	968.0	940.4	912.7
47.5°	979.1	981.9	979.1	977.4	975.7	973.7	971.6	957.7	943.7	916.7	889.7
50°	953.1	951.1	953.1	958.2	963.3	963.9	964.6	945.4	926.2	897.4	868.6
52.5°	951.4	952.4	951.4	954.3	957.3	955.6	954.0	935.5	916.8	885.3	853.9
55°	933.2	929.4	933.2	938.9	944.5	942.4	940.6	922.7	904.8	876.8	848.7
57.5°	919.1	920.4	919.1	923.5	927.8	931.3	934.8	919.4	904.0	875.5	846.8
60°	884.3	876.9	884.3	893.7	903.1	907.4	911.5	901.0	890.3	863.8	837.2
62.5°	849.4	835.9	849.4	860.1	870.8	874.8	878.8	871.3	863.8	839.6	815.4
65°	799.4	792.4	799.4	810.2	820.8	827.5	834.0	824.9	815.7	795.7	775.8
67.5°	738.0	727.1	738.0	752.1	766.2	773.3	780.6	773.1	765.5	745.7	725.8
70°	683.6	675.9	683.6	692.6	701.5	708.4	715.3	711.1	706.9	695.9	684.9
72.5°	604.2	596.5	604.2	616.3	628.3	636.0	643.7	638.8	633.9	623.6	613.2
75°	526.8	515.9	526.8	539.2	551.7	561.3	570.9	568.1	565.2	554.0	542.8
77.5°	445.7	435.2	445.7	457.5	469.2	476.3	483.6	481.2	478.8	466.0	453.2
80°	363.3	349.5	363.3	372.8	382.5	386.0	389.4	386.9	384.3	375.0	365.5
82.5°	284.4	272.7	284.4	292.5	300.6	302.1	303.6	298.0	292.1	284.7	277.2
85°	198.7	189.5	198.7	204.3	209.9	208.4	206.7	197.1	187.5	173.1	158.7
87.5°	85.8	71.7	85.8	98.6	111.4	117.6	123.9	114.2	104.7	92.9	81.3
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: P1209074

CATALOG NUMBER: UPW-SA2-090-740-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1261.6	1265.4	1270.5	1275.7	1281.2	1286.5	1292.2	1297.8	1308.9	1316.0	1322.1
5°	1203.3	1212.3	1220.6	1228.9	1242.2	1255.6	1270.9	1286.3	1300.0	1314.7	1331.2
7.5°	1171.5	1180.0	1191.9	1204.0	1218.7	1233.4	1251.6	1269.6	1292.3	1315.3	1339.7
10°	1181.7	1187.7	1198.5	1209.5	1223.8	1238.2	1257.2	1276.3	1312.1	1333.3	1360.3
12.5°	1230.3	1230.0	1240.7	1251.7	1262.1	1272.5	1281.3	1290.1	1305.1	1334.5	1373.7
15°	1287.7	1298.3	1301.3	1304.2	1300.7	1297.4	1294.3	1291.4	1300.0	1330.7	1375.6
17.5°	1339.5	1352.1	1345.7	1339.3	1323.9	1308.6	1298.6	1288.3	1274.4	1304.5	1357.2
20°	1358.2	1370.4	1359.6	1349.0	1320.0	1291.0	1267.3	1243.5	1237.3	1266.7	1330.6
22.5°	1344.0	1350.8	1341.5	1332.0	1301.8	1271.4	1242.4	1213.2	1188.0	1217.2	1289.2
25°	1312.4	1314.1	1300.7	1287.6	1258.4	1229.2	1200.6	1172.0	1146.4	1170.7	1244.3
27.5°	1265.3	1263.2	1248.3	1233.4	1207.8	1182.2	1158.0	1133.9	1109.2	1135.5	1217.2
30°	1206.4	1201.0	1185.7	1170.3	1148.0	1125.5	1109.0	1092.3	1084.3	1112.7	1198.5
32.5°	1154.8	1146.7	1132.2	1117.6	1101.6	1085.6	1078.6	1071.7	1063.8	1089.4	1169.9
35°	1095.5	1079.8	1066.5	1053.3	1046.0	1038.8	1039.2	1039.6	1042.0	1061.5	1135.4
37.5°	1034.6	1018.4	1006.8	995.3	990.7	986.0	990.6	995.1	1000.4	1014.5	1084.9
40°	978.0	962.7	952.3	941.9	941.4	940.9	947.3	953.7	957.5	962.4	1030.4
42.5°	931.2	907.9	899.2	890.3	892.1	893.8	896.9	899.9	910.2	919.4	984.6
45°	892.5	872.4	861.4	850.3	848.0	845.5	852.3	859.2	859.6	886.5	952.2
47.5°	865.1	840.4	829.3	818.0	814.2	810.3	813.9	817.5	833.4	875.9	935.3
50°	847.3	825.9	813.1	800.3	789.6	778.6	780.8	782.9	812.9	875.4	929.6
52.5°	833.9	813.9	804.1	794.3	778.3	762.3	768.0	773.6	814.2	876.3	918.4
55°	826.7	804.6	792.7	780.9	761.4	741.8	760.0	778.3	849.4	886.1	901.7
57.5°	824.4	802.0	781.5	761.0	741.8	722.6	757.3	792.2	872.4	871.8	881.5
60°	816.1	795.0	765.7	736.3	725.2	714.1	754.5	795.0	842.3	814.2	843.5
62.5°	791.3	767.1	735.8	704.3	705.6	706.9	741.2	775.5	792.4	759.4	782.8
65°	750.0	724.3	696.5	668.9	678.7	688.7	711.1	733.5	723.9	715.3	720.5
67.5°	706.0	686.2	659.1	632.1	639.8	647.5	659.8	672.1	649.7	646.2	621.4
70°	659.4	633.9	614.2	594.2	600.1	605.8	604.2	602.6	582.5	564.5	527.7
72.5°	596.4	579.6	560.1	540.5	543.3	546.0	545.9	545.9	524.2	485.2	443.6
75°	527.4	512.1	495.3	478.5	480.2	482.0	479.8	477.6	455.1	405.5	366.9
77.5°	446.6	440.1	429.9	419.6	421.7	423.7	418.5	413.2	389.8	331.6	296.5
80°	363.7	362.0	357.2	352.3	353.1	353.6	346.0	338.3	311.1	259.2	229.9
82.5°	291.2	305.3	302.1	298.9	290.3	281.6	269.7	257.8	228.5	191.4	169.1
85°	195.1	231.4	240.8	250.3	234.3	218.3	196.4	174.4	144.7	121.6	107.7
87.5°	108.0	134.7	147.3	160.0	151.8	143.6	121.2	98.8	62.7	50.2	43.3
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: P1209074

CATALOG NUMBER: UPW-SA2-090-740-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1328.1	1336.6	1345.2	1349.9	1354.6	1355.9	1359.5
5°	1347.7	1367.3	1387.0	1408.0	1428.9	1443.6	1454.2
7.5°	1364.0	1395.6	1427.4	1460.8	1494.2	1534.8	1582.9
10°	1387.4	1431.5	1475.7	1532.5	1589.3	1636.5	1676.3
12.5°	1413.0	1468.6	1524.4	1593.0	1661.6	1728.3	1789.6
15°	1420.7	1491.4	1562.0	1652.5	1742.9	1827.0	1901.6
17.5°	1410.1	1502.1	1594.0	1701.2	1808.2	1916.0	2025.2
20°	1394.3	1510.3	1626.0	1756.1	1885.9	2002.6	2112.9
22.5°	1361.4	1498.8	1636.0	1786.4	1936.9	2062.4	2177.5
25°	1317.9	1474.2	1630.6	1805.6	1980.6	2127.5	2265.2
27.5°	1298.7	1480.4	1661.9	1858.9	2055.9	2197.5	2321.5
30°	1284.2	1483.8	1683.4	1904.2	2125.0	2275.8	2403.5
32.5°	1250.4	1466.8	1683.1	1933.7	2184.2	2348.4	2486.0
35°	1209.1	1442.6	1676.0	1960.7	2245.4	2418.7	2553.9
37.5°	1155.3	1406.6	1657.8	1981.7	2305.5	2511.4	2672.9
40°	1098.4	1371.8	1645.2	2029.3	2413.3	2661.0	2838.7
42.5°	1049.7	1342.9	1636.0	2074.6	2513.2	2824.9	3069.8
45°	1017.7	1319.7	1621.7	2136.7	2651.8	3089.7	3466.0
47.5°	994.7	1295.6	1596.6	2235.8	2874.9	3533.3	4129.1
50°	984.2	1286.8	1589.7	2410.8	3232.1	4168.1	5006.0
52.5°	960.4	1264.6	1568.8	2544.9	3521.0	4721.8	5812.5
55°	917.2	1218.9	1520.8	2580.0	3639.2	5093.7	6512.1
57.5°	891.2	1150.7	1410.1	2415.8	3421.6	5147.8	7016.4
60°	872.8	1022.8	1172.9	2058.2	2943.3	4827.7	6930.0
62.5°	806.2	877.4	948.6	1710.4	2472.2	4297.9	6366.8
65°	725.6	739.7	753.7	1391.5	2029.3	3709.8	5666.5
67.5°	596.5	583.9	571.2	1094.8	1618.4	3091.2	4861.3
70°	490.9	473.7	456.4	850.5	1244.6	2533.0	4168.8
72.5°	402.0	386.9	371.9	641.6	911.5	1954.5	3342.4
75°	328.4	317.3	306.2	474.4	642.6	1406.6	2459.1
77.5°	261.4	256.0	250.7	349.5	448.3	968.8	1705.1
80°	200.7	197.0	193.3	241.3	289.3	557.6	940.3
82.5°	147.0	144.8	142.7	162.4	182.0	297.4	465.3
85°	93.7	92.7	91.5	96.8	102.2	134.4	183.1
87.5°	36.1	37.4	38.7	40.7	42.5	51.2	65.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)