

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332169-940

Luminaire Tested: **S123DIW-S775D1320U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332169-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIW-S775D1320U940-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1320 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6991.6 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

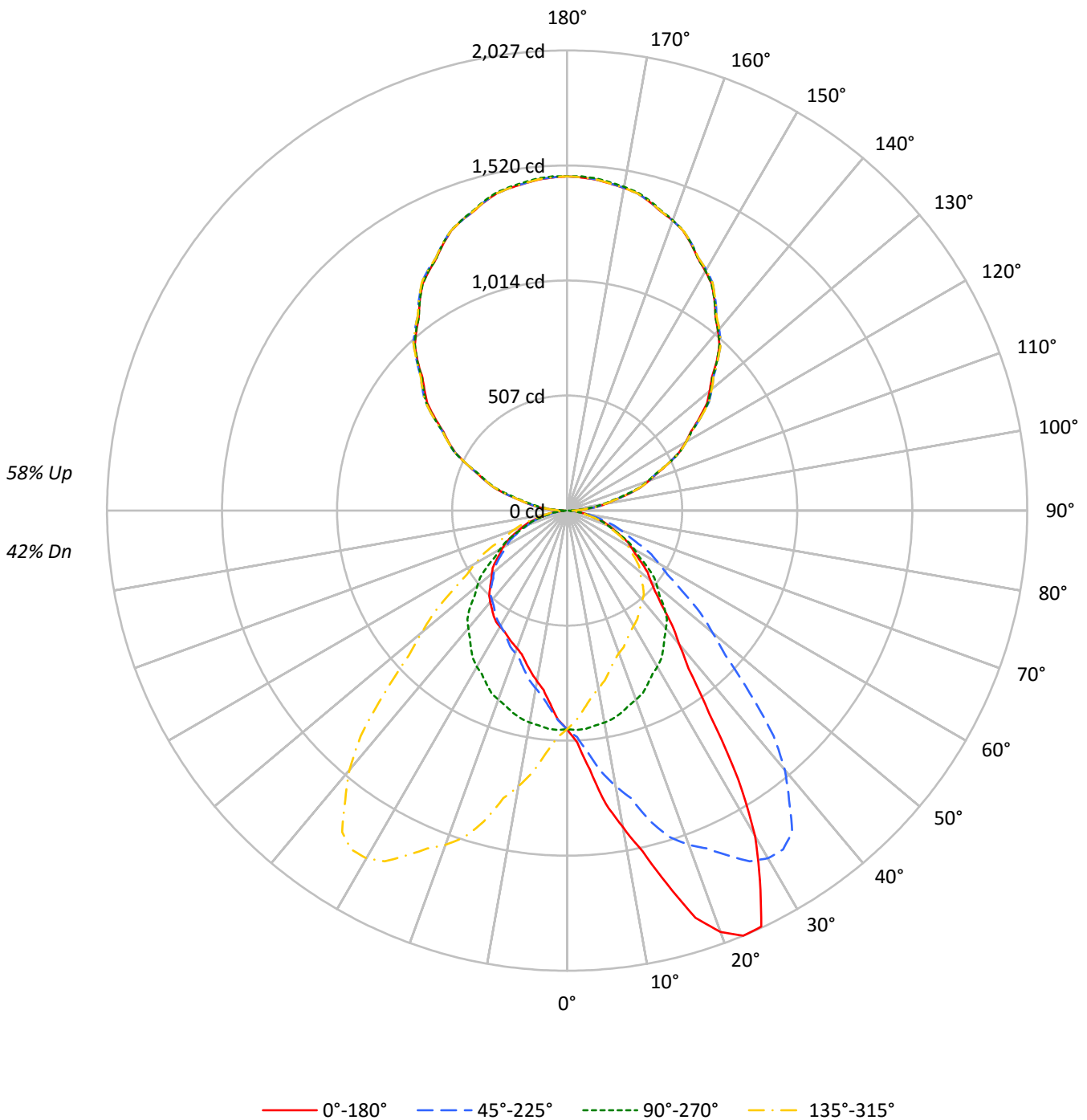
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	42								
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36								
2	88	81	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35	30								
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26								
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	31	28	26	22								
5	67	56	48	42	61	51	45	39	43	38	34	35	31	28	28	25	23	19								
6	62	50	42	37	56	46	39	34	39	33	29	32	28	25	25	22	20	17								
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15								
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14								
9	49	37	30	25	45	35	28	24	29	24	20	24	20	17	19	17	14	12								
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12369	10416	9231	10416
10°	15481	10364	8337	10364
15°	18988	10280	7762	10280
20°	22620	10149	7391	10149
25°	24018	9991	7308	9991
30°	20586	9875	7346	9875
35°	14318	9711	7423	9711
40°	10784	9517	7399	9517
45°	8954	9232	7305	9232
50°	8020	8646	7239	8646
55°	7499	8015	7148	8015
60°	7035	7356	7076	7356
65°	6612	6706	6849	6706
70°	6200	5964	6521	5964
75°	5552	5224	5976	5224
80°	4866	4283	5151	4283
85°	3816	3112	3458	3112



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.9	1.4
10°-20°	304.3	4.4
20°-30°	510.8	7.3
30°-40°	578.4	8.3
40°-50°	518.7	7.4
50°-60°	418.6	6.0
60°-70°	291.7	4.2
70°-80°	153.3	2.2
80°-90°	41.8	0.6
90°-100°	95.9	1.4
100°-110°	287.1	4.1
110°-120°	488.2	7.0
120°-130°	642.2	9.2
130°-140°	721.9	10.3
140°-150°	709.6	10.1
150°-160°	597.3	8.5
160°-170°	397.6	5.7
170°-180°	139.2	2.0
0°-30°	910.1	13.0
0°-40°	1488.4	21.3
0°-60°	2425.7	34.7
0°-90°	2912.5	41.7
90°-120°	871.3	12.5
90°-150°	2944.9	42.1
90°-180°	4079.0	58.3
0°-180°	6991.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	964	964	964	964	964	
5°	1145	964	854	964	1145	119
15°	1704	922	696	922	1704	492
25°	2022	841	615	841	2022	887
35°	1090	739	565	739	1090	708
45°	588	606	480	606	588	465
55°	400	427	381	427	400	359
65°	260	263	269	263	260	259
75°	134	126	144	126	134	143
85°	31	25	28	25	31	37
90°	35	1	35	1	35	18
95°	90	68	90	68	90	93
105°	275	260	275	260	275	292
115°	493	492	493	492	493	488
125°	711	719	711	719	711	636
135°	932	933	932	933	932	717
145°	1132	1132	1132	1132	1132	707
155°	1294	1296	1294	1296	1294	596
165°	1408	1412	1408	1412	1408	397
175°	1463	1469	1463	1469	1463	139
180°	1472	1472	1472	1472	1472	



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1022.5	1021.8	1019.9	1021.5	1018.4	1014.3	1014.0	1010.2	999.3	998.6	995.7
5°	1144.7	1140.9	1140.5	1140.0	1133.5	1124.6	1107.8	1106.3	1084.0	1072.7	1059.3
7.5°	1302.8	1304.8	1298.0	1292.0	1272.0	1258.8	1240.8	1217.7	1190.3	1162.3	1143.7
10°	1416.4	1431.7	1412.6	1399.5	1387.4	1364.5	1337.9	1304.8	1271.7	1232.9	1203.5
12.5°	1538.1	1545.7	1541.9	1529.6	1510.6	1475.9	1428.7	1392.1	1361.6	1297.1	1271.0
15°	1703.9	1732.4	1714.2	1672.1	1673.1	1639.9	1578.3	1510.6	1474.7	1418.2	1341.2
17.5°	1880.5	1884.1	1876.3	1841.4	1818.0	1772.5	1715.6	1650.7	1577.9	1509.5	1427.8
20°	1974.7	1971.8	1955.5	1937.3	1897.2	1861.7	1799.7	1727.2	1633.9	1566.6	1477.5
22.5°	2026.9	2022.3	2014.6	1999.3	1965.9	1927.8	1872.1	1793.0	1704.1	1611.5	1508.5
25°	2022.3	2028.4	2029.3	2025.1	2013.4	1990.6	1946.7	1883.6	1794.9	1675.9	1568.5
27.5°	1839.3	1847.9	1872.9	1895.0	1919.7	1944.9	1941.5	1910.2	1844.6	1741.9	1610.5
30°	1656.3	1637.6	1683.8	1742.2	1781.9	1851.9	1891.1	1893.5	1856.5	1768.4	1640.4
32.5°	1402.3	1422.9	1443.3	1515.1	1601.9	1680.5	1758.5	1821.4	1828.5	1769.9	1658.0
35°	1089.6	1115.3	1152.6	1189.9	1283.4	1363.6	1500.8	1620.3	1715.6	1728.2	1659.6
37.5°	878.0	890.7	914.4	951.7	1012.8	1108.0	1214.2	1365.3	1503.2	1605.9	1610.3
40°	767.5	771.2	797.8	826.3	875.7	954.2	1049.9	1183.4	1348.6	1492.0	1551.8
42.5°	684.6	692.8	704.1	731.4	770.8	829.8	918.8	1029.1	1180.6	1345.6	1462.5
45°	588.2	597.5	604.6	622.8	650.8	690.5	752.5	853.4	968.7	1139.1	1296.4
47.5°	524.5	525.3	530.5	544.2	563.3	593.1	636.9	701.8	807.6	945.7	1107.3
50°	478.9	486.4	488.3	499.0	514.0	535.9	572.3	627.4	714.3	835.6	984.1
52.5°	446.8	449.1	454.3	462.1	475.1	492.2	523.8	566.9	635.1	738.5	875.0
55°	399.6	399.6	404.7	410.8	418.3	433.6	454.7	486.4	538.2	618.6	731.6
57.5°	355.9	358.2	361.9	363.7	370.1	380.3	397.8	422.0	460.6	522.4	612.2
60°	326.8	331.0	330.6	334.2	339.8	347.8	362.7	382.4	416.9	466.4	542.0
62.5°	301.4	301.1	301.0	305.5	311.1	318.7	328.3	345.4	374.7	418.6	483.0
65°	259.6	258.6	261.9	264.7	266.5	272.2	279.6	294.5	314.1	346.9	396.8
67.5°	222.4	219.7	221.5	222.4	225.6	230.0	236.9	246.2	261.8	288.0	325.7
70°	197.0	194.7	194.2	195.1	198.0	201.2	206.3	215.2	229.7	250.7	278.2
72.5°	170.9	169.2	169.2	171.2	172.5	174.7	178.3	186.5	198.0	213.7	239.4
75°	133.5	133.5	133.5	133.9	135.4	137.2	140.1	144.3	153.1	164.3	181.6
77.5°	100.0	100.0	99.4	99.3	101.4	102.3	102.9	106.8	111.7	119.3	131.9
80°	78.5	76.1	77.0	78.5	79.4	79.8	81.2	82.1	86.4	90.6	99.4
82.5°	58.2	56.3	56.4	58.7	58.9	59.3	60.7	62.0	63.6	67.4	72.1
85°	30.9	30.9	31.3	31.3	31.7	31.3	32.6	33.2	33.2	35.5	38.3
87.5°	18.1	17.3	17.6	17.8	17.4	17.6	17.7	17.9	18.1	18.3	17.9
90°	34.7	34.2	33.7	33.2	32.6	31.8	30.9	29.8	28.8	27.7	24.4
92.5°	46.7	47.0	47.3	47.6	48.0	47.7	46.9	46.0	45.2	44.4	42.5
95°	90.2	90.2	90.2	90.2	90.2	89.7	88.6	87.7	86.6	85.6	83.6
97.5°	138.8	138.9	139.0	139.1	139.2	138.7	137.5	136.3	135.1	133.9	132.4
100°	175.8	175.3	174.8	174.2	173.7	173.1	172.3	171.6	170.8	170.0	168.7
102.5°	213.7	213.8	213.9	214.0	214.1	213.8	213.0	212.2	211.5	210.7	209.0
105°	275.3	274.7	274.2	273.8	273.2	273.0	273.0	273.0	273.0	273.0	270.6
107.5°	339.3	339.7	339.9	340.3	340.5	340.3	339.5	338.7	337.9	337.0	336.1
110°	382.8	383.3	383.9	384.3	384.9	384.6	383.6	382.5	381.6	380.5	380.0



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	429.1	429.2	429.3	429.4	429.4	428.9	427.7	426.4	425.3	424.0	423.9
115°	492.7	492.9	493.2	493.5	493.7	493.7	493.5	493.2	492.9	492.7	493.2
117.5°	557.2	557.9	558.7	559.4	560.1	560.4	560.5	560.6	560.6	560.7	561.3
120°	602.5	603.1	603.6	604.1	604.6	605.0	605.3	605.5	605.7	606.0	607.3
122.5°	646.0	646.8	647.5	648.2	648.9	649.6	650.2	650.9	651.6	652.3	652.9
125°	711.2	712.3	713.3	714.3	715.4	716.4	717.5	718.5	719.5	720.5	721.0
127.5°	776.2	777.5	778.6	779.8	781.0	782.3	783.7	785.2	786.6	788.1	788.6
130°	818.9	820.6	822.4	824.2	826.0	827.4	828.5	829.5	830.5	831.5	832.3
132.5°	863.3	864.6	866.0	867.4	868.8	870.1	871.3	872.5	873.8	875.0	875.6
135°	932.2	932.6	933.2	933.7	934.2	935.0	936.0	937.0	938.1	939.1	939.3
137.5°	993.0	994.0	995.0	996.0	996.9	997.9	999.0	1000.1	1001.1	1002.3	1001.6
140°	1032.8	1034.6	1036.3	1038.2	1040.0	1041.0	1041.3	1041.5	1041.8	1042.1	1041.8
142.5°	1073.5	1074.9	1076.3	1077.6	1079.1	1079.9	1080.1	1080.4	1080.7	1080.9	1080.4
145°	1132.2	1133.3	1134.3	1135.3	1136.4	1137.0	1137.3	1137.5	1137.7	1138.0	1137.3
147.5°	1184.5	1186.1	1187.6	1189.2	1190.7	1191.4	1191.4	1191.4	1191.4	1191.4	1190.7
150°	1217.8	1219.3	1220.9	1222.4	1224.0	1224.8	1224.8	1224.8	1224.8	1224.8	1224.2
152.5°	1250.2	1251.5	1252.9	1254.2	1255.5	1256.0	1255.6	1255.2	1254.8	1254.4	1254.1
155°	1294.1	1295.9	1297.8	1299.6	1301.4	1301.7	1300.7	1299.7	1298.7	1297.6	1297.4
157.5°	1334.2	1335.6	1337.0	1338.5	1339.9	1340.2	1339.0	1337.9	1336.9	1335.8	1335.6
160°	1360.0	1361.1	1362.2	1363.2	1364.2	1364.1	1362.8	1361.5	1360.2	1358.9	1358.9
162.5°	1379.5	1381.2	1382.8	1384.5	1386.1	1386.3	1385.0	1383.7	1382.4	1381.1	1380.9
165°	1407.5	1409.3	1411.1	1412.9	1414.7	1414.8	1413.3	1411.8	1410.2	1408.6	1408.6
167.5°	1431.3	1432.9	1434.5	1436.1	1437.7	1437.7	1436.1	1434.5	1432.9	1431.3	1431.1
170°	1443.3	1445.1	1447.0	1448.8	1450.5	1450.5	1448.8	1447.0	1445.1	1443.3	1443.3
172.5°	1452.6	1454.4	1456.2	1458.0	1459.8	1459.9	1458.3	1456.7	1455.1	1453.5	1453.5
175°	1463.0	1464.8	1466.6	1468.4	1470.2	1470.3	1468.8	1467.2	1465.7	1464.2	1464.2
177.5°	1468.6	1470.0	1471.4	1472.8	1474.4	1474.4	1473.2	1471.9	1470.7	1469.5	1469.5
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	993.4	990.4	987.4	982.2	977.8	971.3	969.5	967.2	960.6	954.6	950.1
5°	1054.1	1042.9	1026.5	1011.6	999.5	983.1	973.8	964.0	950.0	937.4	927.1
7.5°	1117.6	1095.6	1070.1	1042.7	1017.1	992.5	972.6	954.8	935.2	916.7	902.2
10°	1168.0	1136.2	1100.8	1062.5	1029.8	998.1	971.4	948.2	922.9	901.0	882.8
12.5°	1225.5	1178.5	1129.5	1083.1	1044.4	1000.3	968.1	938.4	909.8	883.4	863.0
15°	1293.6	1233.9	1175.9	1112.0	1053.2	998.1	959.8	922.5	889.3	862.2	836.1
17.5°	1355.6	1287.9	1211.6	1133.8	1062.8	997.6	944.0	901.7	860.2	827.2	801.1
20°	1390.7	1313.7	1227.3	1146.6	1068.1	995.2	936.5	886.0	841.2	806.2	776.8
22.5°	1420.9	1330.8	1241.4	1155.1	1067.7	989.3	922.7	870.8	822.2	787.9	756.6
25°	1452.3	1344.4	1254.8	1153.5	1056.0	974.7	900.0	841.2	792.6	752.5	720.3
27.5°	1479.2	1343.5	1237.2	1128.2	1037.5	956.1	876.3	813.2	761.7	718.1	685.4
30°	1497.1	1345.4	1218.9	1111.1	1019.6	935.5	858.0	794.5	740.4	696.1	665.2
32.5°	1508.3	1344.3	1202.1	1087.2	991.1	916.9	838.2	772.5	716.8	673.2	643.5
35°	1514.8	1336.1	1173.1	1037.8	945.3	873.0	807.2	739.0	680.6	640.0	606.5
37.5°	1501.8	1318.8	1139.5	990.2	888.9	817.7	762.3	704.3	648.5	603.7	574.8
40°	1481.2	1307.6	1113.4	956.5	850.1	781.5	734.3	677.3	622.2	579.8	552.7
42.5°	1442.0	1284.8	1084.6	919.2	809.8	741.1	697.8	650.1	598.0	558.1	531.1
45°	1346.3	1235.2	1041.5	863.2	750.2	679.2	641.0	606.5	559.3	520.5	497.1
47.5°	1213.5	1160.7	979.1	804.1	688.0	619.7	580.0	552.1	517.7	486.4	464.0
50°	1121.3	1099.4	936.9	763.8	646.6	579.8	541.5	516.3	491.6	460.3	439.8
52.5°	1014.9	1028.4	887.6	721.9	604.3	538.7	502.7	482.7	460.2	434.5	416.6
55°	865.0	914.0	802.5	651.7	541.5	478.9	444.9	427.1	414.1	394.9	379.5
57.5°	724.7	787.1	710.4	579.3	479.8	425.9	393.2	373.8	365.4	355.4	343.3
60°	641.4	703.0	644.7	530.7	438.4	387.0	358.0	341.7	333.3	326.3	316.0
62.5°	567.1	629.5	580.4	481.5	397.6	350.0	324.9	308.9	302.3	298.6	289.9
65°	464.9	518.6	486.0	404.7	339.4	297.4	274.5	263.3	257.3	255.8	250.2
67.5°	378.4	419.3	395.5	335.7	284.3	248.0	228.5	219.0	214.4	213.9	209.7
70°	321.6	359.9	341.7	287.6	243.3	214.7	198.0	189.5	186.7	186.3	184.0
72.5°	277.6	304.3	289.8	244.6	210.4	184.5	172.2	163.4	160.2	160.9	159.3
75°	205.4	225.5	217.0	185.8	158.3	141.4	131.2	125.6	122.8	124.2	122.3
77.5°	147.8	160.5	152.9	131.3	114.3	102.1	94.6	91.1	88.6	88.5	87.7
80°	111.6	119.0	114.9	101.7	87.7	77.5	71.4	69.1	67.7	67.2	66.8
82.5°	79.5	85.8	80.9	71.9	62.3	56.2	52.8	49.7	48.7	49.0	48.4
85°	40.1	42.4	40.6	35.0	31.3	28.4	26.6	25.2	24.3	24.7	23.8
87.5°	18.0	17.7	16.0	13.8	12.6	11.0	10.4	9.2	8.9	9.5	9.6
90°	21.0	17.7	14.4	11.4	8.8	6.3	3.7	1.2	3.7	6.3	8.8
92.5°	40.6	38.7	36.8	35.0	33.3	31.5	29.7	28.0	29.7	31.5	33.3
95°	81.5	79.5	77.4	75.4	73.7	71.9	70.0	68.2	70.0	71.9	73.7
97.5°	130.9	129.5	128.0	126.5	125.2	123.9	122.5	121.2	122.5	123.9	125.2
100°	167.5	166.1	164.9	163.5	161.9	160.3	158.8	157.3	158.8	160.3	161.9
102.5°	207.3	205.6	203.9	202.6	201.7	200.8	199.8	198.9	199.8	200.8	201.7
105°	268.3	266.0	263.7	262.3	261.7	261.3	260.7	260.2	260.7	261.3	261.7
107.5°	335.2	334.2	333.3	332.7	332.4	332.1	331.8	331.4	331.8	332.1	332.4
110°	379.5	379.0	378.4	377.9	377.4	376.9	376.4	375.9	376.4	376.9	377.4





TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	423.7	423.7	423.6	423.4	423.0	422.8	422.4	422.1	422.4	422.8	423.0
115°	493.7	494.2	494.7	494.6	493.8	493.0	492.3	491.5	492.3	493.0	493.8
117.5°	562.0	562.7	563.4	563.5	562.9	562.4	561.9	561.4	561.9	562.4	562.9
120°	608.6	609.8	611.2	611.0	609.5	608.0	606.4	604.8	606.4	608.0	609.5
122.5°	653.6	654.2	655.0	654.7	653.6	652.5	651.3	650.2	651.3	652.5	653.6
125°	721.6	722.0	722.6	722.5	721.7	720.9	720.1	719.3	720.1	720.9	721.7
127.5°	789.2	789.8	790.3	789.8	788.1	786.5	784.9	783.2	784.9	786.5	788.1
130°	833.1	833.8	834.6	834.0	832.0	829.9	827.8	825.7	827.8	829.9	832.0
132.5°	876.2	876.7	877.3	876.6	874.5	872.4	870.4	868.3	870.4	872.4	874.5
135°	939.6	939.9	940.1	939.5	937.9	936.4	934.9	933.4	934.9	936.4	937.9
137.5°	1000.9	1000.2	999.6	998.6	997.3	996.0	994.7	993.5	994.7	996.0	997.3
140°	1041.5	1041.3	1041.0	1040.3	1038.9	1037.7	1036.3	1035.1	1036.3	1037.7	1038.9
142.5°	1080.0	1079.5	1079.1	1078.2	1076.9	1075.6	1074.3	1073.0	1074.3	1075.6	1076.9
145°	1136.5	1135.7	1135.0	1134.3	1133.8	1133.3	1132.7	1132.2	1132.7	1133.3	1133.8
147.5°	1190.0	1189.3	1188.6	1187.8	1186.9	1185.9	1185.0	1184.0	1185.0	1185.9	1186.9
150°	1223.7	1223.2	1222.7	1222.2	1221.6	1221.2	1220.7	1220.1	1220.7	1221.2	1221.6
152.5°	1253.7	1253.5	1253.1	1252.6	1251.9	1251.2	1250.4	1249.7	1250.4	1251.2	1251.9
155°	1297.1	1296.8	1296.6	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
157.5°	1335.3	1335.2	1335.0	1335.0	1335.3	1335.6	1336.0	1336.2	1336.0	1335.6	1335.3
160°	1358.9	1358.9	1358.9	1359.1	1359.7	1360.2	1360.8	1361.2	1360.8	1360.2	1359.7
162.5°	1380.7	1380.5	1380.3	1380.5	1381.3	1382.0	1382.7	1383.4	1382.7	1382.0	1381.3
165°	1408.6	1408.6	1408.6	1409.1	1409.8	1410.6	1411.3	1412.1	1411.3	1410.6	1409.8
167.5°	1430.9	1430.7	1430.5	1430.9	1431.9	1433.0	1434.0	1435.0	1434.0	1433.0	1431.9
170°	1443.3	1443.3	1443.3	1443.9	1444.9	1445.9	1447.0	1448.0	1447.0	1445.9	1444.9
172.5°	1453.5	1453.5	1453.5	1454.0	1455.1	1456.1	1457.1	1458.1	1457.1	1456.1	1455.1
175°	1464.2	1464.2	1464.2	1464.6	1465.7	1466.8	1467.8	1468.8	1467.8	1466.8	1465.7
177.5°	1469.5	1469.5	1469.5	1469.9	1470.7	1471.5	1472.4	1473.2	1472.4	1471.5	1470.7
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	947.4	944.9	941.1	935.5	931.0	923.9	923.9	925.1	925.1	924.7	923.9
5°	918.7	911.7	903.3	893.5	883.2	873.0	871.1	867.4	864.6	862.7	860.3
7.5°	888.4	875.9	863.7	850.0	837.5	827.2	819.9	814.0	810.1	806.0	803.1
10°	867.8	852.4	837.9	823.5	807.6	795.0	787.1	781.5	777.3	773.6	771.7
12.5°	843.6	825.9	809.9	796.2	778.8	765.9	758.3	755.7	750.7	742.9	738.8
15°	808.1	791.8	772.6	751.6	743.2	727.3	718.5	714.3	711.4	705.3	703.5
17.5°	777.8	756.3	734.9	719.2	703.6	690.7	685.7	680.6	676.8	671.8	670.4
20°	753.5	734.3	714.7	697.9	681.5	667.5	663.3	659.6	655.9	653.5	651.7
22.5°	728.8	709.7	693.4	677.7	660.3	651.1	646.6	642.5	639.8	638.3	636.4
25°	694.2	677.3	659.2	645.2	631.2	625.1	622.2	619.9	618.0	615.7	615.3
27.5°	663.2	644.9	630.1	617.1	607.0	601.9	599.2	598.1	598.5	599.3	599.9
30°	640.0	623.2	611.1	599.9	590.6	585.9	585.4	585.4	587.3	587.7	588.7
32.5°	618.8	604.9	592.8	581.9	574.9	571.7	573.5	573.5	575.0	576.1	577.8
35°	587.7	575.6	566.2	557.0	550.9	552.2	553.2	554.1	556.4	559.3	561.2
37.5°	558.1	547.6	537.9	530.6	527.8	530.3	532.5	534.5	537.3	539.4	541.3
40°	536.8	528.9	519.6	513.0	514.0	515.4	517.3	519.6	521.9	523.3	525.2
42.5°	517.0	508.7	501.7	496.2	497.6	499.4	500.4	501.7	504.4	506.8	508.0
45°	486.9	480.4	473.9	470.6	471.5	472.4	473.3	474.7	477.1	478.9	479.5
47.5°	453.0	448.4	444.1	440.9	442.4	442.0	443.2	446.2	446.9	448.1	450.7
50°	431.3	427.1	422.0	421.1	421.1	421.1	421.5	425.3	425.3	427.1	429.0
52.5°	407.4	404.7	401.4	399.8	399.0	399.0	401.0	402.9	403.6	406.3	408.1
55°	372.0	369.3	366.5	365.1	364.1	365.1	368.8	369.7	372.0	373.4	374.9
57.5°	335.2	333.1	330.8	330.0	329.8	331.1	333.1	335.9	336.5	340.8	343.0
60°	310.9	307.6	305.8	305.8	304.9	309.1	308.1	312.8	313.7	316.5	319.8
62.5°	285.9	281.5	280.7	280.7	282.0	283.3	284.5	286.6	289.1	292.6	295.2
65°	245.6	243.3	246.5	246.0	245.0	247.9	247.9	250.2	253.0	256.3	261.4
67.5°	207.3	206.2	206.4	206.4	207.9	209.5	210.7	212.8	216.2	219.6	222.9
70°	181.6	183.0	180.7	182.5	184.0	184.4	185.3	188.2	191.9	194.2	198.0
72.5°	156.6	156.5	156.8	157.5	158.9	159.7	160.7	163.9	168.0	170.0	172.9
75°	120.5	119.9	121.4	121.4	123.7	124.7	125.6	127.0	130.7	133.5	135.8
77.5°	87.9	88.5	88.2	89.8	89.2	89.3	92.2	93.6	94.0	99.5	100.8
80°	66.3	67.2	67.7	68.1	68.7	67.7	71.0	72.3	72.3	75.6	77.9
82.5°	47.6	48.2	49.4	49.8	49.9	50.9	51.2	52.2	53.3	54.8	57.8
85°	23.8	25.2	25.7	25.2	25.7	24.7	26.1	26.6	27.1	27.1	27.1
87.5°	9.7	10.7	11.1	12.0	12.4	13.4	13.6	13.0	13.3	14.6	13.3
90°	11.4	14.4	17.7	21.0	24.4	27.7	28.8	29.8	30.9	31.8	32.6
92.5°	35.0	36.8	38.7	40.6	42.5	44.4	45.2	46.0	46.9	47.7	48.0
95°	75.4	77.4	79.5	81.5	83.6	85.6	86.6	87.7	88.6	89.7	90.2
97.5°	126.5	128.0	129.5	130.9	132.4	133.9	135.1	136.3	137.5	138.7	139.2
100°	163.5	164.9	166.1	167.5	168.7	170.0	170.8	171.6	172.3	173.1	173.7
102.5°	202.6	203.9	205.6	207.3	209.0	210.7	211.5	212.2	213.0	213.8	214.1
105°	262.3	263.7	266.0	268.3	270.6	273.0	273.0	273.0	273.0	273.0	273.2
107.5°	332.7	333.3	334.2	335.2	336.1	337.0	337.9	338.7	339.5	340.3	340.5
110°	377.9	378.4	379.0	379.5	380.0	380.5	381.6	382.5	383.6	384.6	384.9



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	423.4	423.6	423.7	423.7	423.9	424.0	425.3	426.4	427.7	428.9	429.4
115°	494.6	494.7	494.2	493.7	493.2	492.7	492.9	493.2	493.5	493.7	493.7
117.5°	563.5	563.4	562.7	562.0	561.3	560.7	560.6	560.6	560.5	560.4	560.1
120°	611.0	611.2	609.8	608.6	607.3	606.0	605.7	605.5	605.3	605.0	604.6
122.5°	654.7	655.0	654.2	653.6	652.9	652.3	651.6	650.9	650.2	649.6	648.9
125°	722.5	722.6	722.0	721.6	721.0	720.5	719.5	718.5	717.5	716.4	715.4
127.5°	789.8	790.3	789.8	789.2	788.6	788.1	786.6	785.2	783.7	782.3	781.0
130°	834.0	834.6	833.8	833.1	832.3	831.5	830.5	829.5	828.5	827.4	826.0
132.5°	876.6	877.3	876.7	876.2	875.6	875.0	873.8	872.5	871.3	870.1	868.8
135°	939.5	940.1	939.9	939.6	939.3	939.1	938.1	937.0	936.0	935.0	934.2
137.5°	998.6	999.6	1000.2	1000.9	1001.6	1002.3	1001.1	1000.1	999.0	997.9	996.9
140°	1040.3	1041.0	1041.3	1041.5	1041.8	1042.1	1041.8	1041.5	1041.3	1041.0	1040.0
142.5°	1078.2	1079.1	1079.5	1080.0	1080.4	1080.9	1080.7	1080.4	1080.1	1079.9	1079.1
145°	1134.3	1135.0	1135.7	1136.5	1137.3	1138.0	1137.7	1137.5	1137.3	1137.0	1136.4
147.5°	1187.8	1188.6	1189.3	1190.0	1190.7	1191.4	1191.4	1191.4	1191.4	1191.4	1190.7
150°	1222.2	1222.7	1223.2	1223.7	1224.2	1224.8	1224.8	1224.8	1224.8	1224.8	1224.0
152.5°	1252.6	1253.1	1253.5	1253.7	1254.1	1254.4	1254.8	1255.2	1255.6	1256.0	1255.5
155°	1296.5	1296.6	1296.8	1297.1	1297.4	1297.6	1298.7	1299.7	1300.7	1301.7	1301.4
157.5°	1335.0	1335.0	1335.2	1335.3	1335.6	1335.8	1336.9	1337.9	1339.0	1340.2	1339.9
160°	1359.1	1358.9	1358.9	1358.9	1358.9	1358.9	1360.2	1361.5	1362.8	1364.1	1364.2
162.5°	1380.5	1380.3	1380.5	1380.7	1380.9	1381.1	1382.4	1383.7	1385.0	1386.3	1386.1
165°	1409.1	1408.6	1408.6	1408.6	1408.6	1408.6	1410.2	1411.8	1413.3	1414.8	1414.7
167.5°	1430.9	1430.5	1430.7	1430.9	1431.1	1431.3	1432.9	1434.5	1436.1	1437.7	1437.7
170°	1443.9	1443.3	1443.3	1443.3	1443.3	1443.3	1445.1	1447.0	1448.8	1450.5	1450.5
172.5°	1454.0	1453.5	1453.5	1453.5	1453.5	1453.5	1455.1	1456.7	1458.3	1459.9	1459.8
175°	1464.6	1464.2	1464.2	1464.2	1464.2	1464.2	1465.7	1467.2	1468.8	1470.3	1470.2
177.5°	1469.9	1469.5	1469.5	1469.5	1469.5	1469.5	1470.7	1471.9	1473.2	1474.4	1474.4
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	921.3	921.0	923.5	921.7	923.5	921.0	921.3	923.9	924.7	925.1	925.1
5°	857.6	859.0	854.3	854.3	854.3	859.0	857.6	860.3	862.7	864.6	867.4
7.5°	800.8	798.7	798.9	796.4	798.9	798.7	800.8	803.1	806.0	810.1	814.0
10°	766.1	763.3	762.3	762.8	762.3	763.3	766.1	771.7	773.6	777.3	781.5
12.5°	737.3	736.7	730.6	730.7	730.6	736.7	737.3	738.8	742.9	750.7	755.7
15°	703.5	694.6	693.7	696.5	693.7	694.6	703.5	703.5	705.3	711.4	714.3
17.5°	669.6	664.9	665.2	663.8	665.2	664.9	669.6	670.4	671.8	676.8	680.6
20°	651.7	648.9	648.5	645.2	648.5	648.9	651.7	651.7	653.5	655.9	659.6
22.5°	635.3	634.4	634.6	631.0	634.6	634.4	635.3	636.4	638.3	639.8	642.5
25°	614.8	617.2	615.3	615.3	615.3	617.2	614.8	615.3	615.7	618.0	619.9
27.5°	601.0	600.9	599.9	599.9	599.9	600.9	601.0	599.9	599.3	598.5	598.1
30°	590.6	590.0	591.0	591.0	591.0	590.0	590.6	588.7	587.7	587.3	585.4
32.5°	580.1	580.8	580.9	581.3	580.9	580.8	580.1	577.8	576.1	575.0	573.5
35°	563.9	564.4	565.8	564.9	565.8	564.4	563.9	561.2	559.3	556.4	554.1
37.5°	542.1	544.2	543.8	544.5	543.8	544.2	542.1	541.3	539.4	537.3	534.5
40°	525.7	527.1	526.6	526.6	526.6	527.1	525.7	525.2	523.3	521.9	519.6
42.5°	508.8	509.9	508.6	507.9	508.6	509.9	508.8	508.0	506.8	504.4	501.7
45°	481.3	480.4	481.8	479.9	481.8	480.4	481.3	479.5	478.9	477.1	474.7
47.5°	450.5	451.4	451.8	453.2	451.8	451.4	450.5	450.7	448.1	446.9	446.2
50°	430.0	432.7	432.7	432.3	432.7	432.7	430.0	429.0	427.1	425.3	425.3
52.5°	409.7	411.1	413.0	412.9	413.0	411.1	409.7	408.1	406.3	403.6	402.9
55°	378.6	379.5	380.5	380.9	380.5	379.5	378.6	374.9	373.4	372.0	369.7
57.5°	346.3	345.9	348.1	348.8	348.1	345.9	346.3	343.0	340.8	336.5	335.9
60°	323.5	323.5	327.3	328.7	327.3	323.5	323.5	319.8	316.5	313.7	312.8
62.5°	299.3	300.8	304.4	302.5	304.4	300.8	299.3	295.2	292.6	289.1	286.6
65°	263.8	267.5	267.1	268.9	267.1	267.5	263.8	261.4	256.3	253.0	250.2
67.5°	226.7	229.0	232.4	232.6	232.4	229.0	226.7	222.9	219.6	216.2	212.8
70°	201.7	204.0	205.9	207.2	205.9	204.0	201.7	198.0	194.2	191.9	188.2
72.5°	177.4	178.6	183.1	181.1	183.1	178.6	177.4	172.9	170.0	168.0	163.9
75°	139.1	142.4	145.2	143.7	145.2	142.4	139.1	135.8	133.5	130.7	127.0
77.5°	102.9	106.1	107.5	106.3	107.5	106.1	102.9	100.8	99.5	94.0	93.6
80°	81.2	80.8	83.6	83.1	83.6	80.8	81.2	77.9	75.6	72.3	72.3
82.5°	59.6	59.1	60.4	60.7	60.4	59.1	59.6	57.8	54.8	53.3	52.2
85°	29.0	30.3	28.4	28.0	28.4	30.3	29.0	27.1	27.1	27.1	26.6
87.5°	13.4	13.5	13.2	12.9	13.2	13.5	13.4	13.3	14.6	13.3	13.0
90°	33.2	33.7	34.2	34.7	34.2	33.7	33.2	32.6	31.8	30.9	29.8
92.5°	47.6	47.3	47.0	46.7	47.0	47.3	47.6	48.0	47.7	46.9	46.0
95°	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	89.7	88.6	87.7
97.5°	139.1	139.0	138.9	138.8	138.9	139.0	139.1	139.2	138.7	137.5	136.3
100°	174.2	174.8	175.3	175.8	175.3	174.8	174.2	173.7	173.1	172.3	171.6
102.5°	214.0	213.9	213.8	213.7	213.8	213.9	214.0	214.1	213.8	213.0	212.2
105°	273.8	274.2	274.7	275.3	274.7	274.2	273.8	273.2	273.0	273.0	273.0
107.5°	340.3	339.9	339.7	339.3	339.7	339.9	340.3	340.5	340.3	339.5	338.7
110°	384.3	383.9	383.3	382.8	383.3	383.9	384.3	384.9	384.6	383.6	382.5



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	429.4	429.3	429.2	429.1	429.2	429.3	429.4	429.4	428.9	427.7	426.4
115°	493.5	493.2	492.9	492.7	492.9	493.2	493.5	493.7	493.7	493.5	493.2
117.5°	559.4	558.7	557.9	557.2	557.9	558.7	559.4	560.1	560.4	560.5	560.6
120°	604.1	603.6	603.1	602.5	603.1	603.6	604.1	604.6	605.0	605.3	605.5
122.5°	648.2	647.5	646.8	646.0	646.8	647.5	648.2	648.9	649.6	650.2	650.9
125°	714.3	713.3	712.3	711.2	712.3	713.3	714.3	715.4	716.4	717.5	718.5
127.5°	779.8	778.6	777.5	776.2	777.5	778.6	779.8	781.0	782.3	783.7	785.2
130°	824.2	822.4	820.6	818.9	820.6	822.4	824.2	826.0	827.4	828.5	829.5
132.5°	867.4	866.0	864.6	863.3	864.6	866.0	867.4	868.8	870.1	871.3	872.5
135°	933.7	933.2	932.6	932.2	932.6	933.2	933.7	934.2	935.0	936.0	937.0
137.5°	996.0	995.0	994.0	993.0	994.0	995.0	996.0	996.9	997.9	999.0	1000.1
140°	1038.2	1036.3	1034.6	1032.8	1034.6	1036.3	1038.2	1040.0	1041.0	1041.3	1041.5
142.5°	1077.6	1076.3	1074.9	1073.5	1074.9	1076.3	1077.6	1079.1	1079.9	1080.1	1080.4
145°	1135.3	1134.3	1133.3	1132.2	1133.3	1134.3	1135.3	1136.4	1137.0	1137.3	1137.5
147.5°	1189.2	1187.6	1186.1	1184.5	1186.1	1187.6	1189.2	1190.7	1191.4	1191.4	1191.4
150°	1222.4	1220.9	1219.3	1217.8	1219.3	1220.9	1222.4	1224.0	1224.8	1224.8	1224.8
152.5°	1254.2	1252.9	1251.5	1250.2	1251.5	1252.9	1254.2	1255.5	1256.0	1255.6	1255.2
155°	1299.6	1297.8	1295.9	1294.1	1295.9	1297.8	1299.6	1301.4	1301.7	1300.7	1299.7
157.5°	1338.5	1337.0	1335.6	1334.2	1335.6	1337.0	1338.5	1339.9	1340.2	1339.0	1337.9
160°	1363.2	1362.2	1361.1	1360.0	1361.1	1362.2	1363.2	1364.2	1364.1	1362.8	1361.5
162.5°	1384.5	1382.8	1381.2	1379.5	1381.2	1382.8	1384.5	1386.1	1386.3	1385.0	1383.7
165°	1412.9	1411.1	1409.3	1407.5	1409.3	1411.1	1412.9	1414.7	1414.8	1413.3	1411.8
167.5°	1436.1	1434.5	1432.9	1431.3	1432.9	1434.5	1436.1	1437.7	1437.7	1436.1	1434.5
170°	1448.8	1447.0	1445.1	1443.3	1445.1	1447.0	1448.8	1450.5	1450.5	1448.8	1447.0
172.5°	1458.0	1456.2	1454.4	1452.6	1454.4	1456.2	1458.0	1459.8	1459.9	1458.3	1456.7
175°	1468.4	1466.6	1464.8	1463.0	1464.8	1466.6	1468.4	1470.2	1470.3	1468.8	1467.2
177.5°	1472.8	1471.4	1470.0	1468.6	1470.0	1471.4	1472.8	1474.4	1474.4	1473.2	1471.9
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	923.9	923.9	931.0	935.5	941.1	944.9	947.4	950.1	954.6	960.6	967.2
5°	871.1	873.0	883.2	893.5	903.3	911.7	918.7	927.1	937.4	950.0	964.0
7.5°	819.9	827.2	837.5	850.0	863.7	875.9	888.4	902.2	916.7	935.2	954.8
10°	787.1	795.0	807.6	823.5	837.9	852.4	867.8	882.8	901.0	922.9	948.2
12.5°	758.3	765.9	778.8	796.2	809.9	825.9	843.6	863.0	883.4	909.8	938.4
15°	718.5	727.3	743.2	751.6	772.6	791.8	808.1	836.1	862.2	889.3	922.5
17.5°	685.7	690.7	703.6	719.2	734.9	756.3	777.8	801.1	827.2	860.2	901.7
20°	663.3	667.5	681.5	697.9	714.7	734.3	753.5	776.8	806.2	841.2	886.0
22.5°	646.6	651.1	660.3	677.7	693.4	709.7	728.8	756.6	787.9	822.2	870.8
25°	622.2	625.1	631.2	645.2	659.2	677.3	694.2	720.3	752.5	792.6	841.2
27.5°	599.2	601.9	607.0	617.1	630.1	644.9	663.2	685.4	718.1	761.7	813.2
30°	585.4	585.9	590.6	599.9	611.1	623.2	640.0	665.2	696.1	740.4	794.5
32.5°	573.5	571.7	574.9	581.9	592.8	604.9	618.8	643.5	673.2	716.8	772.5
35°	553.2	552.2	550.9	557.0	566.2	575.6	587.7	606.5	640.0	680.6	739.0
37.5°	532.5	530.3	527.8	530.6	537.9	547.6	558.1	574.8	603.7	648.5	704.3
40°	517.3	515.4	514.0	513.0	519.6	528.9	536.8	552.7	579.8	622.2	677.3
42.5°	500.4	499.4	497.6	496.2	501.7	508.7	517.0	531.1	558.1	598.0	650.1
45°	473.3	472.4	471.5	470.6	473.9	480.4	486.9	497.1	520.5	559.3	606.5
47.5°	443.2	442.0	442.4	440.9	444.1	448.4	453.0	464.0	486.4	517.7	552.1
50°	421.5	421.1	421.1	421.1	422.0	427.1	431.3	439.8	460.3	491.6	516.3
52.5°	401.0	399.0	399.0	399.8	401.4	404.7	407.4	416.6	434.5	460.2	482.7
55°	368.8	365.1	364.1	365.1	366.5	369.3	372.0	379.5	394.9	414.1	427.1
57.5°	333.1	331.1	329.8	330.0	330.8	333.1	335.2	343.3	355.4	365.4	373.8
60°	308.1	309.1	304.9	305.8	305.8	307.6	310.9	316.0	326.3	333.3	341.7
62.5°	284.5	283.3	282.0	280.7	280.7	281.5	285.9	289.9	298.6	302.3	308.9
65°	247.9	247.9	245.0	246.0	246.5	243.3	245.6	250.2	255.8	257.3	263.3
67.5°	210.7	209.5	207.9	206.4	206.4	206.2	207.3	209.7	213.9	214.4	219.0
70°	185.3	184.4	184.0	182.5	180.7	183.0	181.6	184.0	186.3	186.7	189.5
72.5°	160.7	159.7	158.9	157.5	156.8	156.5	156.6	159.3	160.9	160.2	163.4
75°	125.6	124.7	123.7	121.4	121.4	119.9	120.5	122.3	124.2	122.8	125.6
77.5°	92.2	89.3	89.2	89.8	88.2	88.5	87.9	87.7	88.5	88.6	91.1
80°	71.0	67.7	68.7	68.1	67.7	67.2	66.3	66.8	67.2	67.7	69.1
82.5°	51.2	50.9	49.9	49.8	49.4	48.2	47.6	48.4	49.0	48.7	49.7
85°	26.1	24.7	25.7	25.2	25.7	25.2	23.8	23.8	24.7	24.3	25.2
87.5°	13.6	13.4	12.4	12.0	11.1	10.7	9.7	9.6	9.5	8.9	9.2
90°	28.8	27.7	24.4	21.0	17.7	14.4	11.4	8.8	6.3	3.7	1.2
92.5°	45.2	44.4	42.5	40.6	38.7	36.8	35.0	33.3	31.5	29.7	28.0
95°	86.6	85.6	83.6	81.5	79.5	77.4	75.4	73.7	71.9	70.0	68.2
97.5°	135.1	133.9	132.4	130.9	129.5	128.0	126.5	125.2	123.9	122.5	121.2
100°	170.8	170.0	168.7	167.5	166.1	164.9	163.5	161.9	160.3	158.8	157.3
102.5°	211.5	210.7	209.0	207.3	205.6	203.9	202.6	201.7	200.8	199.8	198.9
105°	273.0	273.0	270.6	268.3	266.0	263.7	262.3	261.7	261.3	260.7	260.2
107.5°	337.9	337.0	336.1	335.2	334.2	333.3	332.7	332.4	332.1	331.8	331.4
110°	381.6	380.5	380.0	379.5	379.0	378.4	377.9	377.4	376.9	376.4	375.9



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	425.3	424.0	423.9	423.7	423.7	423.6	423.4	423.0	422.8	422.4	422.1
115°	492.9	492.7	493.2	493.7	494.2	494.7	494.6	493.8	493.0	492.3	491.5
117.5°	560.6	560.7	561.3	562.0	562.7	563.4	563.5	562.9	562.4	561.9	561.4
120°	605.7	606.0	607.3	608.6	609.8	611.2	611.0	609.5	608.0	606.4	604.8
122.5°	651.6	652.3	652.9	653.6	654.2	655.0	654.7	653.6	652.5	651.3	650.2
125°	719.5	720.5	721.0	721.6	722.0	722.6	722.5	721.7	720.9	720.1	719.3
127.5°	786.6	788.1	788.6	789.2	789.8	790.3	789.8	788.1	786.5	784.9	783.2
130°	830.5	831.5	832.3	833.1	833.8	834.6	834.0	832.0	829.9	827.8	825.7
132.5°	873.8	875.0	875.6	876.2	876.7	877.3	876.6	874.5	872.4	870.4	868.3
135°	938.1	939.1	939.3	939.6	939.9	940.1	939.5	937.9	936.4	934.9	933.4
137.5°	1001.1	1002.3	1001.6	1000.9	1000.2	999.6	998.6	997.3	996.0	994.7	993.5
140°	1041.8	1042.1	1041.8	1041.5	1041.3	1041.0	1040.3	1038.9	1037.7	1036.3	1035.1
142.5°	1080.7	1080.9	1080.4	1080.0	1079.5	1079.1	1078.2	1076.9	1075.6	1074.3	1073.0
145°	1137.7	1138.0	1137.3	1136.5	1135.7	1135.0	1134.3	1133.8	1133.3	1132.7	1132.2
147.5°	1191.4	1191.4	1190.7	1190.0	1189.3	1188.6	1187.8	1186.9	1185.9	1185.0	1184.0
150°	1224.8	1224.8	1224.2	1223.7	1223.2	1222.7	1222.2	1221.6	1221.2	1220.7	1220.1
152.5°	1254.8	1254.4	1254.1	1253.7	1253.5	1253.1	1252.6	1251.9	1251.2	1250.4	1249.7
155°	1298.7	1297.6	1297.4	1297.1	1296.8	1296.6	1296.5	1296.5	1296.5	1296.5	1296.5
157.5°	1336.9	1335.8	1335.6	1335.3	1335.2	1335.0	1335.0	1335.3	1335.6	1336.0	1336.2
160°	1360.2	1358.9	1358.9	1358.9	1358.9	1358.9	1359.1	1359.7	1360.2	1360.8	1361.2
162.5°	1382.4	1381.1	1380.9	1380.7	1380.5	1380.3	1380.5	1381.3	1382.0	1382.7	1383.4
165°	1410.2	1408.6	1408.6	1408.6	1408.6	1408.6	1409.1	1409.8	1410.6	1411.3	1412.1
167.5°	1432.9	1431.3	1431.1	1430.9	1430.7	1430.5	1430.9	1431.9	1433.0	1434.0	1435.0
170°	1445.1	1443.3	1443.3	1443.3	1443.3	1443.3	1443.9	1444.9	1445.9	1447.0	1448.0
172.5°	1455.1	1453.5	1453.5	1453.5	1453.5	1453.5	1454.0	1455.1	1456.1	1457.1	1458.1
175°	1465.7	1464.2	1464.2	1464.2	1464.2	1464.2	1464.6	1465.7	1466.8	1467.8	1468.8
177.5°	1470.7	1469.5	1469.5	1469.5	1469.5	1469.5	1469.9	1470.7	1471.5	1472.4	1473.2
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	969.5	971.3	977.8	982.2	987.4	990.4	993.4	995.7	998.6	999.3	1010.2
5°	973.8	983.1	999.5	1011.6	1026.5	1042.9	1054.1	1059.3	1072.7	1084.0	1106.3
7.5°	972.6	992.5	1017.1	1042.7	1070.1	1095.6	1117.6	1143.7	1162.3	1190.3	1217.7
10°	971.4	998.1	1029.8	1062.5	1100.8	1136.2	1168.0	1203.5	1232.9	1271.7	1304.8
12.5°	968.1	1000.3	1044.4	1083.1	1129.5	1178.5	1225.5	1271.0	1297.1	1361.6	1392.1
15°	959.8	998.1	1053.2	1112.0	1175.9	1233.9	1293.6	1341.2	1418.2	1474.7	1510.6
17.5°	944.0	997.6	1062.8	1133.8	1211.6	1287.9	1355.6	1427.8	1509.5	1577.9	1650.7
20°	936.5	995.2	1068.1	1146.6	1227.3	1313.7	1390.7	1477.5	1566.6	1633.9	1727.2
22.5°	922.7	989.3	1067.7	1155.1	1241.4	1330.8	1420.9	1508.5	1611.5	1704.1	1793.0
25°	900.0	974.7	1056.0	1153.5	1254.8	1344.4	1452.3	1568.5	1675.9	1794.9	1883.6
27.5°	876.3	956.1	1037.5	1128.2	1237.2	1343.5	1479.2	1610.5	1741.9	1844.6	1910.2
30°	858.0	935.5	1019.6	1111.1	1218.9	1345.4	1497.1	1640.4	1768.4	1856.5	1893.5
32.5°	838.2	916.9	991.1	1087.2	1202.1	1344.3	1508.3	1658.0	1769.9	1828.5	1821.4
35°	807.2	873.0	945.3	1037.8	1173.1	1336.1	1514.8	1659.6	1728.2	1715.6	1620.3
37.5°	762.3	817.7	888.9	990.2	1139.5	1318.8	1501.8	1610.3	1605.9	1503.2	1365.3
40°	734.3	781.5	850.1	956.5	1113.4	1307.6	1481.2	1551.8	1492.0	1348.6	1183.4
42.5°	697.8	741.1	809.8	919.2	1084.6	1284.8	1442.0	1462.5	1345.6	1180.6	1029.1
45°	641.0	679.2	750.2	863.2	1041.5	1235.2	1346.3	1296.4	1139.1	968.7	853.4
47.5°	580.0	619.7	688.0	804.1	979.1	1160.7	1213.5	1107.3	945.7	807.6	701.8
50°	541.5	579.8	646.6	763.8	936.9	1099.4	1121.3	984.1	835.6	714.3	627.4
52.5°	502.7	538.7	604.3	721.9	887.6	1028.4	1014.9	875.0	738.5	635.1	566.9
55°	444.9	478.9	541.5	651.7	802.5	914.0	865.0	731.6	618.6	538.2	486.4
57.5°	393.2	425.9	479.8	579.3	710.4	787.1	724.7	612.2	522.4	460.6	422.0
60°	358.0	387.0	438.4	530.7	644.7	703.0	641.4	542.0	466.4	416.9	382.4
62.5°	324.9	350.0	397.6	481.5	580.4	629.5	567.1	483.0	418.6	374.7	345.4
65°	274.5	297.4	339.4	404.7	486.0	518.6	464.9	396.8	346.9	314.1	294.5
67.5°	228.5	248.0	284.3	335.7	395.5	419.3	378.4	325.7	288.0	261.8	246.2
70°	198.0	214.7	243.3	287.6	341.7	359.9	321.6	278.2	250.7	229.7	215.2
72.5°	172.2	184.5	210.4	244.6	289.8	304.3	277.6	239.4	213.7	198.0	186.5
75°	131.2	141.4	158.3	185.8	217.0	225.5	205.4	181.6	164.3	153.1	144.3
77.5°	94.6	102.1	114.3	131.3	152.9	160.5	147.8	131.9	119.3	111.7	106.8
80°	71.4	77.5	87.7	101.7	114.9	119.0	111.6	99.4	90.6	86.4	82.1
82.5°	52.8	56.2	62.3	71.9	80.9	85.8	79.5	72.1	67.4	63.6	62.0
85°	26.6	28.4	31.3	35.0	40.6	42.4	40.1	38.3	35.5	33.2	33.2
87.5°	10.4	11.0	12.6	13.8	16.0	17.7	18.0	17.9	18.3	18.1	17.9
90°	3.7	6.3	8.8	11.4	14.4	17.7	21.0	24.4	27.7	28.8	29.8
92.5°	29.7	31.5	33.3	35.0	36.8	38.7	40.6	42.5	44.4	45.2	46.0
95°	70.0	71.9	73.7	75.4	77.4	79.5	81.5	83.6	85.6	86.6	87.7
97.5°	122.5	123.9	125.2	126.5	128.0	129.5	130.9	132.4	133.9	135.1	136.3
100°	158.8	160.3	161.9	163.5	164.9	166.1	167.5	168.7	170.0	170.8	171.6
102.5°	199.8	200.8	201.7	202.6	203.9	205.6	207.3	209.0	210.7	211.5	212.2
105°	260.7	261.3	261.7	262.3	263.7	266.0	268.3	270.6	273.0	273.0	273.0
107.5°	331.8	332.1	332.4	332.7	333.3	334.2	335.2	336.1	337.0	337.9	338.7
110°	376.4	376.9	377.4	377.9	378.4	379.0	379.5	380.0	380.5	381.6	382.5





TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	422.4	422.8	423.0	423.4	423.6	423.7	423.7	423.9	424.0	425.3	426.4
115°	492.3	493.0	493.8	494.6	494.7	494.2	493.7	493.2	492.7	492.9	493.2
117.5°	561.9	562.4	562.9	563.5	563.4	562.7	562.0	561.3	560.7	560.6	560.6
120°	606.4	608.0	609.5	611.0	611.2	609.8	608.6	607.3	606.0	605.7	605.5
122.5°	651.3	652.5	653.6	654.7	655.0	654.2	653.6	652.9	652.3	651.6	650.9
125°	720.1	720.9	721.7	722.5	722.6	722.0	721.6	721.0	720.5	719.5	718.5
127.5°	784.9	786.5	788.1	789.8	790.3	789.8	789.2	788.6	788.1	786.6	785.2
130°	827.8	829.9	832.0	834.0	834.6	833.8	833.1	832.3	831.5	830.5	829.5
132.5°	870.4	872.4	874.5	876.6	877.3	876.7	876.2	875.6	875.0	873.8	872.5
135°	934.9	936.4	937.9	939.5	940.1	939.9	939.6	939.3	939.1	938.1	937.0
137.5°	994.7	996.0	997.3	998.6	999.6	1000.2	1000.9	1001.6	1002.3	1001.1	1000.1
140°	1036.3	1037.7	1038.9	1040.3	1041.0	1041.3	1041.5	1041.8	1042.1	1041.8	1041.5
142.5°	1074.3	1075.6	1076.9	1078.2	1079.1	1079.5	1080.0	1080.4	1080.9	1080.7	1080.4
145°	1132.7	1133.3	1133.8	1134.3	1135.0	1135.7	1136.5	1137.3	1138.0	1137.7	1137.5
147.5°	1185.0	1185.9	1186.9	1187.8	1188.6	1189.3	1190.0	1190.7	1191.4	1191.4	1191.4
150°	1220.7	1221.2	1221.6	1222.2	1222.7	1223.2	1223.7	1224.2	1224.8	1224.8	1224.8
152.5°	1250.4	1251.2	1251.9	1252.6	1253.1	1253.5	1253.7	1254.1	1254.4	1254.8	1255.2
155°	1296.5	1296.5	1296.5	1296.5	1296.6	1296.8	1297.1	1297.4	1297.6	1298.7	1299.7
157.5°	1336.0	1335.6	1335.3	1335.0	1335.0	1335.2	1335.3	1335.6	1335.8	1336.9	1337.9
160°	1360.8	1360.2	1359.7	1359.1	1358.9	1358.9	1358.9	1358.9	1358.9	1360.2	1361.5
162.5°	1382.7	1382.0	1381.3	1380.5	1380.3	1380.5	1380.7	1380.9	1381.1	1382.4	1383.7
165°	1411.3	1410.6	1409.8	1409.1	1408.6	1408.6	1408.6	1408.6	1408.6	1410.2	1411.8
167.5°	1434.0	1433.0	1431.9	1430.9	1430.5	1430.7	1430.9	1431.1	1431.3	1432.9	1434.5
170°	1447.0	1445.9	1444.9	1443.9	1443.3	1443.3	1443.3	1443.3	1443.3	1445.1	1447.0
172.5°	1457.1	1456.1	1455.1	1454.0	1453.5	1453.5	1453.5	1453.5	1453.5	1455.1	1456.7
175°	1467.8	1466.8	1465.7	1464.6	1464.2	1464.2	1464.2	1464.2	1464.2	1465.7	1467.2
177.5°	1472.4	1471.5	1470.7	1469.9	1469.5	1469.5	1469.5	1469.5	1469.5	1470.7	1471.9
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1014.0	1014.3	1018.4	1021.5	1019.9	1021.8	1022.5
5°	1107.8	1124.6	1133.5	1140.0	1140.5	1140.9	1144.7
7.5°	1240.8	1258.8	1272.0	1292.0	1298.0	1304.8	1302.8
10°	1337.9	1364.5	1387.4	1399.5	1412.6	1431.7	1416.4
12.5°	1428.7	1475.9	1510.6	1529.6	1541.9	1545.7	1538.1
15°	1578.3	1639.9	1673.1	1672.1	1714.2	1732.4	1703.9
17.5°	1715.6	1772.5	1818.0	1841.4	1876.3	1884.1	1880.5
20°	1799.7	1861.7	1897.2	1937.3	1955.5	1971.8	1974.7
22.5°	1872.1	1927.8	1965.9	1999.3	2014.6	2022.3	2026.9
25°	1946.7	1990.6	2013.4	2025.1	2029.3	2028.4	2022.3
27.5°	1941.5	1944.9	1919.7	1895.0	1872.9	1847.9	1839.3
30°	1891.1	1851.9	1781.9	1742.2	1683.8	1637.6	1656.3
32.5°	1758.5	1680.5	1601.9	1515.1	1443.3	1422.9	1402.3
35°	1500.8	1363.6	1283.4	1189.9	1152.6	1115.3	1089.6
37.5°	1214.2	1108.0	1012.8	951.7	914.4	890.7	878.0
40°	1049.9	954.2	875.7	826.3	797.8	771.2	767.5
42.5°	918.8	829.8	770.8	731.4	704.1	692.8	684.6
45°	752.5	690.5	650.8	622.8	604.6	597.5	588.2
47.5°	636.9	593.1	563.3	544.2	530.5	525.3	524.5
50°	572.3	535.9	514.0	499.0	488.3	486.4	478.9
52.5°	523.8	492.2	475.1	462.1	454.3	449.1	446.8
55°	454.7	433.6	418.3	410.8	404.7	399.6	399.6
57.5°	397.8	380.3	370.1	363.7	361.9	358.2	355.9
60°	362.7	347.8	339.8	334.2	330.6	331.0	326.8
62.5°	328.3	318.7	311.1	305.5	301.0	301.1	301.4
65°	279.6	272.2	266.5	264.7	261.9	258.6	259.6
67.5°	236.9	230.0	225.6	222.4	221.5	219.7	222.4
70°	206.3	201.2	198.0	195.1	194.2	194.7	197.0
72.5°	178.3	174.7	172.5	171.2	169.2	169.2	170.9
75°	140.1	137.2	135.4	133.9	133.5	133.5	133.5
77.5°	102.9	102.3	101.4	99.3	99.4	100.0	100.0
80°	81.2	79.8	79.4	78.5	77.0	76.1	78.5
82.5°	60.7	59.3	58.9	58.7	56.4	56.3	58.2
85°	32.6	31.3	31.7	31.3	31.3	30.9	30.9
87.5°	17.7	17.6	17.4	17.8	17.6	17.3	18.1
90°	30.9	31.8	32.6	33.2	33.7	34.2	34.7
92.5°	46.9	47.7	48.0	47.6	47.3	47.0	46.7
95°	88.6	89.7	90.2	90.2	90.2	90.2	90.2
97.5°	137.5	138.7	139.2	139.1	139.0	138.9	138.8
100°	172.3	173.1	173.7	174.2	174.8	175.3	175.8
102.5°	213.0	213.8	214.1	214.0	213.9	213.8	213.7
105°	273.0	273.0	273.2	273.8	274.2	274.7	275.3
107.5°	339.5	340.3	340.5	340.3	339.9	339.7	339.3
110°	383.6	384.6	384.9	384.3	383.9	383.3	382.8



TEST NUMBER: P332169-940

CATALOG NUMBER: S123DIW-S775D1320U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	427.7	428.9	429.4	429.4	429.3	429.2	429.1
115°	493.5	493.7	493.7	493.5	493.2	492.9	492.7
117.5°	560.5	560.4	560.1	559.4	558.7	557.9	557.2
120°	605.3	605.0	604.6	604.1	603.6	603.1	602.5
122.5°	650.2	649.6	648.9	648.2	647.5	646.8	646.0
125°	717.5	716.4	715.4	714.3	713.3	712.3	711.2
127.5°	783.7	782.3	781.0	779.8	778.6	777.5	776.2
130°	828.5	827.4	826.0	824.2	822.4	820.6	818.9
132.5°	871.3	870.1	868.8	867.4	866.0	864.6	863.3
135°	936.0	935.0	934.2	933.7	933.2	932.6	932.2
137.5°	999.0	997.9	996.9	996.0	995.0	994.0	993.0
140°	1041.3	1041.0	1040.0	1038.2	1036.3	1034.6	1032.8
142.5°	1080.1	1079.9	1079.1	1077.6	1076.3	1074.9	1073.5
145°	1137.3	1137.0	1136.4	1135.3	1134.3	1133.3	1132.2
147.5°	1191.4	1191.4	1190.7	1189.2	1187.6	1186.1	1184.5
150°	1224.8	1224.8	1224.0	1222.4	1220.9	1219.3	1217.8
152.5°	1255.6	1256.0	1255.5	1254.2	1252.9	1251.5	1250.2
155°	1300.7	1301.7	1301.4	1299.6	1297.8	1295.9	1294.1
157.5°	1339.0	1340.2	1339.9	1338.5	1337.0	1335.6	1334.2
160°	1362.8	1364.1	1364.2	1363.2	1362.2	1361.1	1360.0
162.5°	1385.0	1386.3	1386.1	1384.5	1382.8	1381.2	1379.5
165°	1413.3	1414.8	1414.7	1412.9	1411.1	1409.3	1407.5
167.5°	1436.1	1437.7	1437.7	1436.1	1434.5	1432.9	1431.3
170°	1448.8	1450.5	1450.5	1448.8	1447.0	1445.1	1443.3
172.5°	1458.3	1459.9	1459.8	1458.0	1456.2	1454.4	1452.6
175°	1468.8	1470.3	1470.2	1468.4	1466.6	1464.8	1463.0
177.5°	1473.2	1474.4	1474.4	1472.8	1471.4	1470.0	1468.6
180°	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3	1472.3

(END OF REPORT)