

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: P331538

Luminaire Tested: **S122DIW-S675D970U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331538
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D970U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6291.3 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

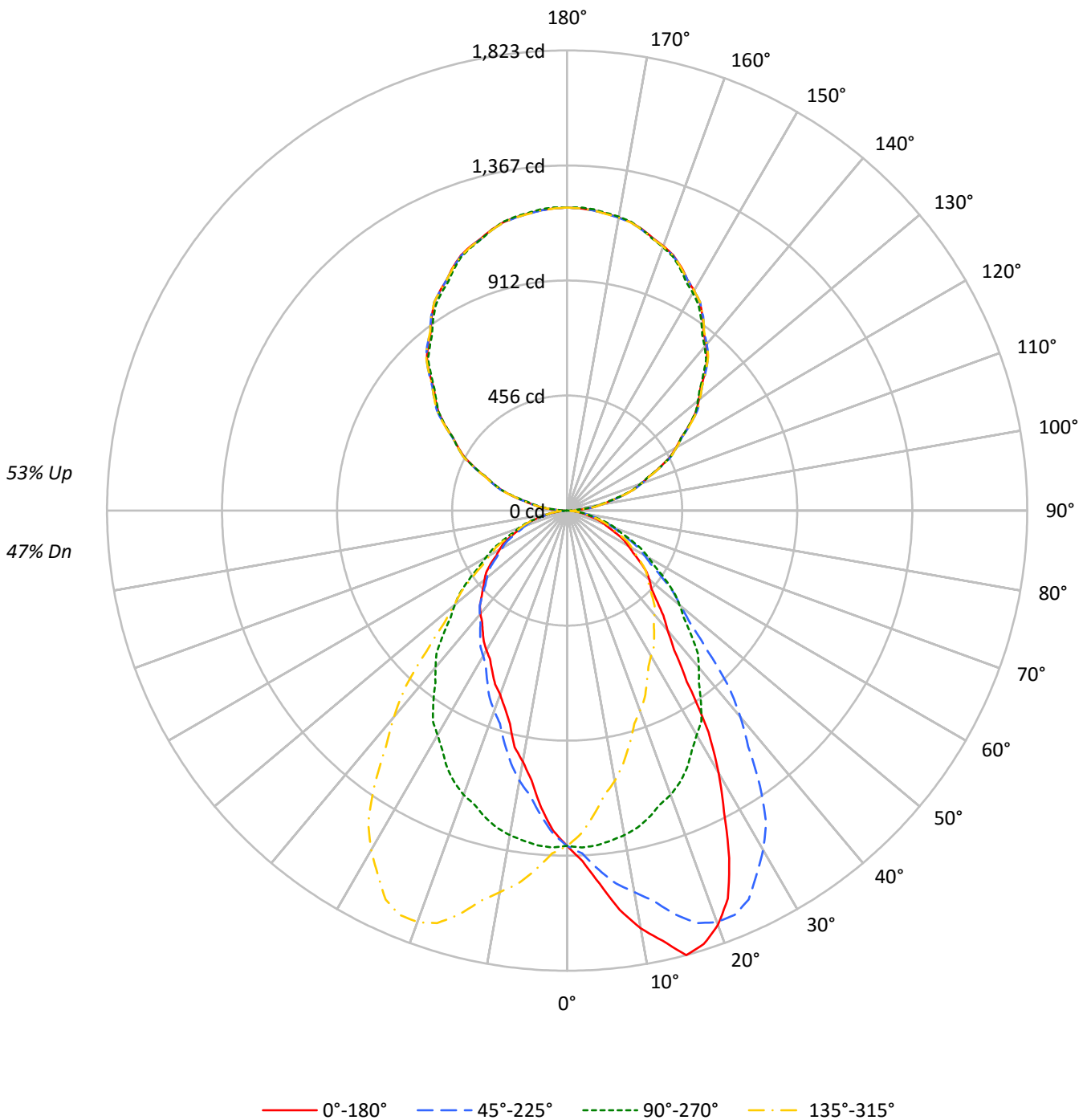
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-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	0
RCR																		
0	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53	47
1	97	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	42	41	39	34
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30
4	75	64	57	51	69	60	53	48	51	45	42	42	38	35	34	32	30	26
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	64	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23	20
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	26	23	21	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21447	21447	21447	21447
5°	24044	21585	19128	21585
10°	27552	21408	16554	21408
15°	30479	21016	14626	21016
20°	30015	20594	13332	20594
25°	27064	20035	12513	20035
30°	22365	19140	11915	19140
35°	16301	18203	11491	18203
40°	13019	17098	11255	17098
45°	11376	15817	10933	15817
50°	10693	14579	10721	14579
55°	9858	13320	10432	13320
60°	9032	11983	9991	11983
65°	8229	10785	9555	10785
70°	7468	9616	8917	9616
75°	6625	8309	7898	8309
80°	5700	6881	6360	6881
85°	5113	5113	3779	5113



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	2.0
10°-20°	367.8	5.8
20°-30°	533.7	8.5
30°-40°	563.2	9.0
40°-50°	498.7	7.9
50°-60°	398.0	6.3
60°-70°	270.5	4.3
70°-80°	138.7	2.2
80°-90°	38.2	0.6
90°-100°	76.0	1.2
100°-110°	236.2	3.8
110°-120°	403.8	6.4
120°-130°	531.0	8.4
130°-140°	595.9	9.5
140°-150°	584.3	9.3
150°-160°	490.1	7.8
160°-170°	325.1	5.2
170°-180°	113.6	1.8
0°-30°	1028.0	16.3
0°-40°	1591.2	25.3
0°-60°	2487.8	39.5
0°-90°	2935.2	46.7
90°-120°	716.0	11.4
90°-150°	2427.3	38.6
90°-180°	3356.0	53.3
0°-180°	6291.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1328	1328	1328	1328	1328	
5°	1484	1332	1180	1332	1484	148
15°	1823	1257	875	1257	1823	503
25°	1519	1125	702	1125	1519	687
35°	827	924	583	924	827	538
45°	498	693	479	693	498	392
55°	350	473	371	473	350	314
65°	215	282	250	282	215	214
75°	106	133	127	133	106	113
85°	28	28	20	28	28	31
90°	34	1	34	1	34	16
95°	63	53	63	53	63	70
105°	225	218	225	218	225	237
115°	405	405	405	405	405	400
125°	592	590	592	590	592	527
135°	772	763	772	763	772	594
145°	936	926	936	926	936	584
155°	1066	1058	1066	1058	1066	491
165°	1153	1152	1153	1152	1153	325
175°	1194	1198	1194	1198	1194	113
180°	1200	1200	1200	1200	1200	



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1389.5	1389.9	1390.8	1384.2	1383.4	1383.4	1377.7	1372.8	1367.1	1359.3	1360.1
5°	1483.5	1489.1	1491.1	1485.0	1475.8	1474.8	1466.1	1451.8	1438.5	1427.8	1420.2
7.5°	1595.6	1597.8	1592.8	1584.7	1577.9	1565.7	1549.5	1533.7	1511.5	1491.2	1476.1
10°	1680.5	1683.6	1674.9	1663.2	1653.5	1639.2	1615.7	1591.7	1562.6	1534.5	1512.0
12.5°	1745.0	1752.6	1741.5	1739.9	1723.3	1703.7	1675.7	1663.6	1622.6	1583.5	1559.4
15°	1823.4	1822.9	1824.0	1814.3	1802.0	1798.9	1769.3	1737.2	1679.5	1656.5	1616.7
17.5°	1800.8	1808.5	1812.1	1812.0	1811.7	1809.8	1800.3	1780.0	1751.1	1713.8	1667.8
20°	1746.9	1757.1	1758.6	1770.4	1777.0	1785.7	1789.2	1783.6	1765.8	1734.6	1694.8
22.5°	1663.6	1666.4	1671.2	1689.5	1703.9	1725.6	1737.0	1755.9	1749.0	1733.8	1700.5
25°	1519.2	1514.1	1532.0	1541.1	1574.3	1609.0	1634.1	1661.6	1686.1	1700.9	1691.2
27.5°	1345.8	1338.2	1364.9	1389.3	1416.3	1453.9	1492.9	1538.9	1577.2	1625.1	1641.5
30°	1199.6	1204.2	1229.8	1255.8	1296.6	1349.7	1393.6	1444.2	1498.8	1552.4	1589.6
32.5°	1042.0	1059.7	1075.8	1115.7	1151.6	1210.9	1275.2	1338.4	1406.5	1467.4	1525.1
35°	827.0	847.4	869.9	899.0	949.5	1008.2	1071.0	1156.2	1249.2	1332.4	1400.8
37.5°	696.1	692.8	705.7	726.7	767.7	815.0	887.3	971.6	1080.9	1178.7	1275.2
40°	617.7	615.6	624.8	644.2	675.4	710.1	773.4	847.4	949.0	1068.4	1183.3
42.5°	563.8	565.0	570.1	583.8	605.1	633.7	681.1	744.1	837.1	949.6	1073.0
45°	498.2	501.8	507.4	514.1	526.3	549.8	576.3	621.3	694.8	788.7	910.2
47.5°	451.1	451.2	456.9	462.7	470.0	483.2	504.9	533.0	584.9	661.4	765.8
50°	425.7	422.2	426.3	430.8	438.5	447.7	462.0	488.5	523.2	585.0	672.3
52.5°	394.7	394.8	398.5	400.2	407.1	416.2	429.3	447.7	479.1	527.4	599.2
55°	350.2	352.7	354.8	357.8	364.0	370.6	380.8	393.1	417.6	453.8	506.9
57.5°	308.3	309.1	311.2	317.0	320.9	327.0	336.7	347.8	363.8	390.6	430.5
60°	279.7	279.7	283.8	286.4	291.5	297.6	305.3	316.0	330.3	352.2	384.4
62.5°	253.6	253.2	254.8	259.0	262.9	268.6	276.3	285.4	298.8	318.3	344.8
65°	215.4	214.4	217.5	218.5	222.6	228.2	234.3	244.0	254.7	269.0	292.5
67.5°	178.7	179.9	181.5	183.5	185.7	191.6	195.7	202.6	211.6	223.5	239.4
70°	158.2	158.2	158.2	159.8	162.8	165.9	170.0	175.6	184.3	194.5	208.8
72.5°	135.4	137.0	138.6	137.7	141.6	143.4	148.3	151.5	159.8	166.3	179.0
75°	106.2	106.2	106.2	108.7	110.3	111.8	114.9	117.9	122.0	130.2	136.8
77.5°	79.2	79.0	79.5	80.1	81.8	83.6	84.5	87.3	91.1	94.8	100.5
80°	61.3	62.3	62.8	63.8	63.8	64.8	65.3	68.9	71.5	74.0	77.6
82.5°	47.4	47.6	47.7	47.9	48.3	48.9	50.2	51.4	52.3	54.4	57.2
85°	27.6	27.1	27.1	28.1	27.6	27.6	28.6	29.6	29.6	30.1	31.6
87.5°	17.5	17.5	17.8	17.4	17.3	17.8	17.8	17.5	18.0	18.5	17.9
90°	34.4	34.2	34.0	33.8	33.5	33.6	34.1	34.5	35.0	35.4	30.5
92.5°	32.8	32.8	32.7	32.7	32.6	32.6	32.5	32.4	32.3	32.2	31.0
95°	62.8	63.2	63.7	64.1	64.6	64.8	64.8	64.8	64.8	64.8	64.4
97.5°	108.8	108.8	108.9	108.9	109.0	109.0	109.0	109.0	109.0	109.0	108.1
100°	138.8	139.0	139.2	139.4	139.7	139.8	139.8	139.8	139.8	139.8	139.1
102.5°	172.8	173.0	173.2	173.5	173.7	173.7	173.5	173.4	173.2	173.0	172.1
105°	224.9	224.9	224.9	224.9	224.9	224.6	224.2	223.7	223.3	222.8	222.4
107.5°	273.9	274.9	275.9	277.0	278.0	278.4	278.3	278.1	277.9	277.7	277.7
110°	312.0	312.6	313.3	314.0	314.7	315.0	315.0	315.0	315.0	315.0	315.0



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	348.4	348.9	349.4	349.9	350.4	350.9	351.5	352.0	352.5	353.1	353.3
115°	405.1	405.8	406.5	407.2	407.8	408.3	408.5	408.7	409.0	409.2	409.6
117.5°	459.2	459.9	460.6	461.3	461.9	462.5	463.1	463.6	464.2	464.7	466.0
120°	497.3	498.0	498.7	499.3	500.0	500.4	500.4	500.4	500.4	500.4	502.2
122.5°	534.6	535.1	535.6	536.1	536.6	537.1	537.6	538.2	538.7	539.2	540.5
125°	591.5	591.7	592.0	592.2	592.4	592.9	593.5	594.2	594.9	595.6	596.2
127.5°	643.4	644.1	644.8	645.5	646.2	647.0	647.8	648.6	649.4	650.3	651.1
130°	680.6	681.5	682.4	683.3	684.2	684.9	685.4	685.8	686.3	686.7	687.2
132.5°	716.3	717.0	717.7	718.5	719.2	720.0	721.0	722.0	723.0	724.0	723.9
135°	771.8	772.5	773.1	773.8	774.5	774.9	775.2	775.4	775.6	775.8	775.4
137.5°	822.0	822.9	823.8	824.7	825.6	826.2	826.4	826.5	826.7	826.9	826.3
140°	856.9	857.8	858.7	859.6	860.5	860.9	860.9	860.9	860.9	860.9	859.8
142.5°	888.5	889.4	890.3	891.2	892.1	892.4	892.3	892.1	891.9	891.7	891.0
145°	935.9	936.8	937.7	938.6	939.5	939.8	939.6	939.4	939.1	938.9	937.6
147.5°	978.2	979.1	979.9	980.8	981.6	981.8	981.3	980.8	980.3	979.8	978.9
150°	1005.8	1006.4	1007.1	1007.8	1008.5	1008.5	1007.8	1007.1	1006.4	1005.8	1004.9
152.5°	1031.7	1032.5	1033.4	1034.3	1035.1	1035.1	1034.3	1033.4	1032.5	1031.7	1030.6
155°	1066.5	1067.2	1067.9	1068.6	1069.2	1069.0	1067.9	1066.8	1065.6	1064.5	1063.8
157.5°	1096.5	1097.6	1098.7	1099.8	1100.8	1100.6	1099.1	1097.6	1096.0	1094.5	1094.1
160°	1115.2	1116.1	1117.0	1117.9	1118.8	1118.5	1117.2	1115.8	1114.5	1113.1	1112.9
162.5°	1131.4	1132.4	1133.5	1134.6	1135.7	1135.5	1133.9	1132.4	1130.9	1129.3	1129.1
165°	1152.6	1153.8	1154.9	1156.0	1157.1	1156.9	1155.3	1153.8	1152.2	1150.6	1150.6
167.5°	1170.1	1171.2	1172.4	1173.6	1174.7	1174.5	1173.0	1171.4	1169.8	1168.2	1168.3
170°	1179.0	1180.3	1181.7	1183.0	1184.4	1184.3	1182.7	1181.1	1179.5	1178.0	1178.2
172.5°	1186.3	1187.6	1189.0	1190.3	1191.7	1191.5	1190.0	1188.4	1186.8	1185.2	1185.5
175°	1194.2	1195.5	1196.9	1198.2	1199.6	1199.4	1197.9	1196.3	1194.7	1193.1	1193.6
177.5°	1197.8	1198.9	1200.0	1201.0	1202.1	1202.1	1201.0	1200.0	1198.9	1197.8	1198.2
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1363.0	1359.7	1357.7	1350.3	1343.8	1337.3	1335.2	1336.0	1327.1	1318.5	1314.8
5°	1416.1	1405.9	1396.2	1382.4	1366.1	1348.2	1339.0	1331.8	1314.0	1294.6	1283.4
7.5°	1463.7	1449.1	1430.4	1404.4	1380.7	1352.6	1334.7	1318.9	1292.7	1265.4	1248.6
10°	1492.7	1472.7	1448.7	1417.1	1388.0	1353.8	1329.8	1305.8	1275.2	1242.5	1222.1
12.5°	1517.6	1490.7	1467.1	1426.5	1392.1	1349.3	1320.8	1287.0	1254.8	1216.0	1196.0
15°	1576.9	1527.4	1482.4	1436.5	1394.1	1334.4	1302.8	1257.3	1214.9	1167.0	1144.0
17.5°	1622.7	1567.1	1496.3	1437.9	1388.5	1322.4	1275.9	1221.5	1171.4	1116.5	1085.3
20°	1648.9	1585.0	1509.0	1439.6	1380.3	1304.8	1254.3	1198.6	1139.9	1078.1	1044.4
22.5°	1664.4	1597.3	1522.1	1433.4	1364.0	1290.5	1226.9	1165.9	1106.4	1039.8	1004.4
25°	1669.3	1608.0	1528.4	1428.3	1343.6	1260.4	1183.8	1124.6	1052.6	990.3	938.8
27.5°	1645.0	1601.1	1524.5	1418.7	1320.0	1222.7	1137.4	1070.3	994.3	926.7	874.9
30°	1615.2	1589.6	1515.1	1408.9	1301.2	1196.6	1102.6	1026.6	951.0	882.6	829.5
32.5°	1569.0	1563.5	1498.0	1395.0	1281.2	1163.5	1066.3	989.4	905.7	838.5	787.9
35°	1478.4	1502.9	1461.5	1364.0	1243.5	1116.4	1011.3	923.5	836.7	772.4	724.9
37.5°	1356.9	1417.7	1406.9	1318.6	1192.7	1065.2	949.1	857.3	774.6	709.7	663.1
40°	1273.1	1350.7	1362.0	1283.9	1156.8	1025.6	902.5	811.2	730.5	671.3	624.3
42.5°	1183.3	1274.0	1304.8	1242.2	1117.5	983.9	860.9	766.2	686.4	628.8	587.2
45°	1032.7	1152.7	1208.3	1172.6	1052.1	915.3	788.7	692.7	620.2	566.1	534.0
47.5°	891.9	1023.0	1097.8	1085.2	979.3	843.8	718.7	626.6	556.0	512.8	484.0
50°	792.3	927.0	1017.4	1021.5	927.0	792.8	667.2	580.4	515.6	475.3	451.8
52.5°	705.7	834.3	932.9	954.5	868.6	739.7	621.1	534.7	477.6	440.5	419.5
55°	592.7	701.4	810.6	850.5	781.5	659.0	549.3	473.2	419.6	394.1	375.7
57.5°	492.7	583.4	684.3	728.3	685.8	580.9	478.0	412.0	368.5	346.1	332.0
60°	440.0	511.5	601.3	653.9	617.2	523.8	433.9	371.1	335.4	315.5	302.2
62.5°	391.0	454.3	530.3	578.4	558.4	470.3	389.8	334.4	303.5	284.8	275.3
65°	322.6	372.7	431.4	475.8	462.5	395.6	329.8	282.3	257.8	243.0	235.3
67.5°	265.7	301.8	342.5	381.4	370.7	323.3	270.5	233.5	215.2	202.5	197.9
70°	229.7	257.3	293.5	324.7	316.0	277.2	235.3	203.7	187.9	177.1	172.5
72.5°	195.4	218.1	245.7	271.2	265.3	233.1	198.2	174.3	162.1	152.2	148.4
75°	147.5	164.9	181.7	198.6	197.0	172.0	151.6	133.2	123.5	115.9	114.3
77.5°	108.9	118.6	130.1	140.1	137.3	123.0	107.0	96.5	89.3	84.2	83.4
80°	83.2	88.8	97.0	104.1	100.6	94.4	81.7	74.0	68.9	63.8	61.8
82.5°	60.3	66.0	70.9	74.7	72.0	66.3	58.4	53.2	50.1	46.7	45.8
85°	31.6	34.7	36.8	37.8	36.8	33.2	29.6	27.6	25.0	23.5	23.0
87.5°	17.4	16.4	15.4	15.4	13.7	13.1	11.0	9.2	9.3	9.5	9.2
90°	25.5	20.6	15.6	11.8	9.1	6.4	3.7	1.0	3.7	6.4	9.1
92.5°	29.9	28.7	27.5	26.0	24.0	22.0	20.0	18.0	20.0	22.0	24.0
95°	63.9	63.5	63.0	61.7	59.4	57.2	54.9	52.7	54.9	57.2	59.4
97.5°	107.3	106.4	105.6	104.1	102.2	100.2	98.2	96.2	98.2	100.2	102.2
100°	138.4	137.7	137.1	135.8	134.0	132.2	130.4	128.6	130.4	132.2	134.0
102.5°	171.3	170.4	169.6	168.4	167.0	165.5	164.1	162.7	164.1	165.5	167.0
105°	221.9	221.5	221.0	220.5	219.8	219.1	218.4	217.8	218.4	219.1	219.8
107.5°	277.7	277.7	277.7	277.2	276.2	275.2	274.3	273.3	274.3	275.2	276.2
110°	315.0	315.0	315.0	314.3	313.0	311.6	310.3	308.9	310.3	311.6	313.0



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	353.4	353.6	353.8	353.2	351.9	350.5	349.2	347.8	349.2	350.5	351.9
115°	410.1	410.5	411.0	410.5	409.2	407.8	406.5	405.1	406.5	407.8	409.2
117.5°	467.2	468.5	469.7	469.5	467.7	465.9	464.1	462.3	464.1	465.9	467.7
120°	504.0	505.8	507.6	507.6	505.8	504.0	502.2	500.4	502.2	504.0	505.8
122.5°	541.8	543.0	544.3	543.8	541.7	539.5	537.4	535.2	537.4	539.5	541.7
125°	596.9	597.6	598.3	597.6	595.6	593.5	591.5	589.5	591.5	593.5	595.6
127.5°	651.9	652.7	653.5	652.6	650.1	647.5	644.9	642.4	644.9	647.5	650.1
130°	687.6	688.1	688.5	687.3	684.4	681.4	678.5	675.6	678.5	681.4	684.4
132.5°	723.8	723.7	723.6	722.4	720.0	717.6	715.2	712.8	715.2	717.6	720.0
135°	774.9	774.5	774.0	772.6	770.1	767.6	765.2	762.7	765.2	767.6	770.1
137.5°	825.7	825.1	824.6	823.2	821.2	819.2	817.2	815.1	817.2	819.2	821.2
140°	858.7	857.6	856.4	854.8	852.8	850.8	848.8	846.7	848.8	850.8	852.8
142.5°	890.2	889.4	888.7	887.3	885.2	883.2	881.2	879.2	881.2	883.2	885.2
145°	936.2	934.9	933.5	932.1	930.5	928.9	927.3	925.7	927.3	928.9	930.5
147.5°	978.0	977.1	976.2	974.8	972.9	971.1	969.2	967.3	969.2	971.1	972.9
150°	1004.0	1003.1	1002.2	1001.0	999.7	998.3	997.0	995.6	997.0	998.3	999.7
152.5°	1029.5	1028.5	1027.4	1026.2	1024.8	1023.5	1022.1	1020.8	1022.1	1023.5	1024.8
155°	1063.2	1062.5	1061.8	1061.1	1060.5	1059.8	1059.1	1058.4	1059.1	1059.8	1060.5
157.5°	1093.7	1093.3	1092.9	1092.4	1092.0	1091.5	1091.1	1090.6	1091.1	1091.5	1092.0
160°	1112.7	1112.5	1112.2	1111.9	1111.4	1111.0	1110.5	1110.1	1110.5	1111.0	1111.4
162.5°	1128.9	1128.7	1128.4	1128.3	1128.2	1128.1	1128.0	1127.9	1128.0	1128.1	1128.2
165°	1150.6	1150.6	1150.6	1150.7	1150.9	1151.2	1151.4	1151.6	1151.4	1151.2	1150.9
167.5°	1168.3	1168.4	1168.4	1168.8	1169.4	1170.1	1170.8	1171.5	1170.8	1170.1	1169.4
170°	1178.4	1178.6	1178.9	1179.3	1180.0	1180.7	1181.3	1182.0	1181.3	1180.7	1180.0
172.5°	1185.7	1185.9	1186.1	1186.6	1187.3	1187.9	1188.6	1189.3	1188.6	1187.9	1187.3
175°	1194.0	1194.5	1194.9	1195.5	1196.2	1196.9	1197.5	1198.2	1197.5	1196.9	1196.2
177.5°	1198.5	1198.9	1199.2	1199.7	1200.2	1200.8	1201.3	1201.9	1201.3	1200.8	1200.2
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1310.7	1308.3	1299.7	1295.2	1287.8	1280.9	1276.4	1278.5	1280.1	1279.3	1278.0
5°	1273.1	1263.4	1248.6	1235.9	1226.7	1209.8	1202.7	1199.1	1196.1	1192.5	1188.9
7.5°	1228.4	1213.1	1191.9	1173.7	1156.5	1135.6	1123.7	1116.5	1109.2	1101.1	1094.0
10°	1196.6	1175.1	1152.7	1127.1	1106.7	1087.8	1071.0	1059.8	1049.6	1039.9	1032.7
12.5°	1163.1	1138.4	1110.6	1075.7	1053.2	1026.2	1023.6	1003.8	987.9	981.9	973.5
15°	1109.8	1075.1	1039.9	998.5	980.6	956.1	940.8	925.5	911.7	902.0	899.5
17.5°	1049.2	1004.3	969.3	939.6	910.3	885.2	871.1	858.8	847.5	834.5	832.8
20°	1003.1	964.3	926.0	900.0	869.9	844.3	827.0	814.7	805.0	797.4	790.7
22.5°	959.4	916.9	881.9	853.4	823.7	803.1	789.4	777.6	769.5	761.0	754.8
25°	889.3	856.1	817.8	785.6	761.1	747.9	736.6	726.4	721.3	715.7	708.6
27.5°	827.9	791.0	755.2	730.3	708.8	697.0	689.0	682.1	677.3	674.0	670.0
30°	784.6	747.3	719.3	694.8	676.9	665.2	660.1	656.0	650.4	648.3	646.3
32.5°	743.0	709.4	685.4	664.1	647.1	639.4	634.7	631.1	626.7	624.6	620.5
35°	684.0	656.0	632.5	620.7	607.0	600.3	596.8	591.6	587.6	585.5	585.0
37.5°	628.6	604.2	588.8	573.7	567.9	563.8	558.9	555.4	554.2	553.9	553.4
40°	592.7	572.8	559.0	546.7	544.2	538.0	534.0	530.9	530.9	531.4	530.9
42.5°	560.0	542.1	530.0	519.4	516.4	512.7	508.6	508.4	509.3	511.0	509.3
45°	510.5	497.7	489.0	483.9	478.3	474.7	474.2	475.8	476.3	476.8	478.3
47.5°	464.9	456.5	448.6	443.0	440.5	439.9	439.3	442.0	444.4	445.3	447.7
50°	438.0	428.3	421.7	418.1	416.0	415.0	416.0	419.1	421.1	423.7	425.2
52.5°	407.8	400.9	396.3	393.6	392.8	393.4	393.6	397.1	400.3	401.2	402.0
55°	366.0	360.9	359.9	355.3	357.3	356.8	359.4	361.4	364.5	367.5	368.1
57.5°	324.4	320.3	317.5	317.9	318.5	320.8	322.9	326.5	329.8	333.0	333.3
60°	296.6	294.5	293.0	293.0	294.0	297.1	299.7	303.2	305.3	307.3	308.8
62.5°	271.3	269.2	267.7	268.5	271.2	273.0	276.0	277.9	279.9	282.0	282.7
65°	231.2	230.2	231.8	232.8	233.3	235.8	239.4	240.9	243.0	244.0	247.6
67.5°	194.4	194.6	194.4	195.8	198.8	199.4	202.8	206.3	206.7	208.7	211.0
70°	169.5	170.5	171.5	172.5	175.1	176.1	178.7	180.2	182.2	183.8	185.3
72.5°	146.6	146.8	147.8	147.6	149.8	152.0	154.2	155.7	157.7	159.7	161.2
75°	112.8	112.8	113.8	114.3	116.9	119.5	118.9	120.0	122.0	124.0	125.1
77.5°	82.4	81.3	82.4	82.9	83.7	85.9	86.3	87.7	90.0	89.3	90.5
80°	62.8	61.3	62.8	63.3	63.3	65.9	65.9	66.9	68.4	66.9	68.4
82.5°	44.8	44.1	45.2	45.3	46.1	46.2	47.1	47.3	48.8	48.1	48.8
85°	22.5	22.0	22.5	22.0	22.5	23.0	23.0	22.5	22.5	23.5	22.0
87.5°	9.3	9.7	10.2	11.2	11.8	12.4	11.9	11.8	11.7	10.8	10.8
90°	11.8	15.6	20.6	25.5	30.5	35.4	35.0	34.5	34.1	33.6	33.5
92.5°	26.0	27.5	28.7	29.9	31.0	32.2	32.3	32.4	32.5	32.6	32.6
95°	61.7	63.0	63.5	63.9	64.4	64.8	64.8	64.8	64.8	64.8	64.6
97.5°	104.1	105.6	106.4	107.3	108.1	109.0	109.0	109.0	109.0	109.0	109.0
100°	135.8	137.1	137.7	138.4	139.1	139.8	139.8	139.8	139.8	139.8	139.7
102.5°	168.4	169.6	170.4	171.3	172.1	173.0	173.2	173.4	173.5	173.7	173.7
105°	220.5	221.0	221.5	221.9	222.4	222.8	223.3	223.7	224.2	224.6	224.9
107.5°	277.2	277.7	277.7	277.7	277.7	277.7	277.9	278.1	278.3	278.4	278.0
110°	314.3	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	314.7



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	353.2	353.8	353.6	353.4	353.3	353.1	352.5	352.0	351.5	350.9	350.4
115°	410.5	411.0	410.5	410.1	409.6	409.2	409.0	408.7	408.5	408.3	407.8
117.5°	469.5	469.7	468.5	467.2	466.0	464.7	464.2	463.6	463.1	462.5	461.9
120°	507.6	507.6	505.8	504.0	502.2	500.4	500.4	500.4	500.4	500.4	500.0
122.5°	543.8	544.3	543.0	541.8	540.5	539.2	538.7	538.2	537.6	537.1	536.6
125°	597.6	598.3	597.6	596.9	596.2	595.6	594.9	594.2	593.5	592.9	592.4
127.5°	652.6	653.5	652.7	651.9	651.1	650.3	649.4	648.6	647.8	647.0	646.2
130°	687.3	688.5	688.1	687.6	687.2	686.7	686.3	685.8	685.4	684.9	684.2
132.5°	722.4	723.6	723.7	723.8	723.9	724.0	723.0	722.0	721.0	720.0	719.2
135°	772.6	774.0	774.5	774.9	775.4	775.8	775.6	775.4	775.2	774.9	774.5
137.5°	823.2	824.6	825.1	825.7	826.3	826.9	826.7	826.5	826.4	826.2	825.6
140°	854.8	856.4	857.6	858.7	859.8	860.9	860.9	860.9	860.9	860.9	860.5
142.5°	887.3	888.7	889.4	890.2	891.0	891.7	891.9	892.1	892.3	892.4	892.1
145°	932.1	933.5	934.9	936.2	937.6	938.9	939.1	939.4	939.6	939.8	939.5
147.5°	974.8	976.2	977.1	978.0	978.9	979.8	980.3	980.8	981.3	981.8	981.6
150°	1001.0	1002.2	1003.1	1004.0	1004.9	1005.8	1006.4	1007.1	1007.8	1008.5	1008.5
152.5°	1026.2	1027.4	1028.5	1029.5	1030.6	1031.7	1032.5	1033.4	1034.3	1035.1	1035.1
155°	1061.1	1061.8	1062.5	1063.2	1063.8	1064.5	1065.6	1066.8	1067.9	1069.0	1069.2
157.5°	1092.4	1092.9	1093.3	1093.7	1094.1	1094.5	1096.0	1097.6	1099.1	1100.6	1100.8
160°	1111.9	1112.2	1112.5	1112.7	1112.9	1113.1	1114.5	1115.8	1117.2	1118.5	1118.8
162.5°	1128.3	1128.4	1128.7	1128.9	1129.1	1129.3	1130.9	1132.4	1133.9	1135.5	1135.7
165°	1150.7	1150.6	1150.6	1150.6	1150.6	1150.6	1152.2	1153.8	1155.3	1156.9	1157.1
167.5°	1168.8	1168.4	1168.4	1168.3	1168.3	1168.2	1169.8	1171.4	1173.0	1174.5	1174.7
170°	1179.3	1178.9	1178.6	1178.4	1178.2	1178.0	1179.5	1181.1	1182.7	1184.3	1184.4
172.5°	1186.6	1186.1	1185.9	1185.7	1185.5	1185.2	1186.8	1188.4	1190.0	1191.5	1191.7
175°	1195.5	1194.9	1194.5	1194.0	1193.6	1193.1	1194.7	1196.3	1197.9	1199.4	1199.6
177.5°	1199.7	1199.2	1198.9	1198.5	1198.2	1197.8	1198.9	1200.0	1201.0	1202.1	1202.1
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1274.0	1273.1	1273.1	1269.5	1273.1	1273.1	1274.0	1278.0	1279.3	1280.1	1278.5
5°	1181.8	1180.2	1177.7	1180.2	1177.7	1180.2	1181.8	1188.9	1192.5	1196.1	1199.1
7.5°	1090.6	1084.5	1083.6	1077.5	1083.6	1084.5	1090.6	1094.0	1101.1	1109.2	1116.5
10°	1024.0	1019.9	1019.4	1009.7	1019.4	1019.9	1024.0	1032.7	1039.9	1049.6	1059.8
12.5°	973.4	963.6	965.5	959.9	965.5	963.6	973.4	973.5	981.9	987.9	1003.8
15°	885.7	885.7	883.6	875.0	883.6	885.7	885.7	899.5	902.0	911.7	925.5
17.5°	822.7	821.7	816.8	819.2	816.8	821.7	822.7	832.8	834.5	847.5	858.8
20°	785.1	782.1	775.9	775.9	775.9	782.1	785.1	790.7	797.4	805.0	814.7
22.5°	749.6	749.4	742.9	744.9	742.9	749.4	749.6	754.8	761.0	769.5	777.6
25°	708.0	704.0	700.9	702.4	700.9	704.0	708.0	708.6	715.7	721.3	726.4
27.5°	668.6	666.4	666.2	662.0	666.2	666.4	668.6	670.0	674.0	677.3	682.1
30°	645.8	640.7	641.7	639.1	641.7	640.7	645.8	646.3	648.3	650.4	656.0
32.5°	619.6	617.8	616.8	614.6	616.8	617.8	619.6	620.5	624.6	626.7	631.1
35°	584.0	584.5	582.0	583.0	582.0	584.5	584.0	585.0	585.5	587.6	591.6
37.5°	552.9	554.5	553.3	553.6	553.3	554.5	552.9	553.4	553.9	554.2	555.4
40°	532.4	532.4	532.4	534.0	532.4	532.4	532.4	530.9	531.4	530.9	530.9
42.5°	512.8	512.0	511.2	511.1	511.2	512.0	512.8	509.3	511.0	509.3	508.4
45°	479.3	480.9	481.4	478.8	481.4	480.9	479.3	478.3	476.8	476.3	475.8
47.5°	449.0	449.2	449.0	451.3	449.0	449.2	449.0	447.7	445.3	444.4	442.0
50°	427.8	426.8	427.8	426.8	427.8	426.8	427.8	425.2	423.7	421.1	419.1
52.5°	405.3	405.5	404.9	404.7	404.9	405.5	405.3	402.0	401.2	400.3	397.1
55°	370.1	371.1	370.6	370.6	370.6	371.1	370.1	368.1	367.5	364.5	361.4
57.5°	333.7	334.6	335.3	333.0	335.3	334.6	333.7	333.3	333.0	329.8	326.5
60°	308.3	310.9	310.4	309.4	310.4	310.9	308.3	308.8	307.3	305.3	303.2
62.5°	285.1	286.0	285.9	285.7	285.9	286.0	285.1	282.7	282.0	279.9	277.9
65°	249.1	250.1	248.6	250.1	248.6	250.1	249.1	247.6	244.0	243.0	240.9
67.5°	210.4	210.7	211.9	212.6	211.9	210.7	210.4	211.0	208.7	206.7	206.3
70°	186.3	185.8	187.3	188.9	187.3	185.8	186.3	185.3	183.8	182.2	180.2
72.5°	161.0	162.1	161.6	162.7	161.6	162.1	161.0	161.2	159.7	157.7	155.7
75°	124.0	125.6	125.1	126.6	125.1	125.6	124.0	125.1	124.0	122.0	120.0
77.5°	89.6	89.8	89.6	90.5	89.6	89.8	89.6	90.5	89.3	90.0	87.7
80°	68.4	67.4	66.4	68.4	66.4	67.4	68.4	68.4	66.9	68.4	66.9
82.5°	47.6	48.2	47.2	47.2	47.2	48.2	47.6	48.8	48.1	48.8	47.3
85°	22.0	21.4	20.4	20.4	20.4	21.4	22.0	22.0	23.5	22.5	22.5
87.5°	10.8	10.5	10.5	10.2	10.5	10.5	10.8	10.8	10.8	11.7	11.8
90°	33.8	34.0	34.2	34.4	34.2	34.0	33.8	33.5	33.6	34.1	34.5
92.5°	32.7	32.7	32.8	32.8	32.8	32.7	32.7	32.6	32.6	32.5	32.4
95°	64.1	63.7	63.2	62.8	63.2	63.7	64.1	64.6	64.8	64.8	64.8
97.5°	108.9	108.9	108.8	108.8	108.8	108.9	108.9	109.0	109.0	109.0	109.0
100°	139.4	139.2	139.0	138.8	139.0	139.2	139.4	139.7	139.8	139.8	139.8
102.5°	173.5	173.2	173.0	172.8	173.0	173.2	173.5	173.7	173.7	173.5	173.4
105°	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.6	224.2	223.7
107.5°	277.0	275.9	274.9	273.9	274.9	275.9	277.0	278.0	278.4	278.3	278.1
110°	314.0	313.3	312.6	312.0	312.6	313.3	314.0	314.7	315.0	315.0	315.0



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	349.9	349.4	348.9	348.4	348.9	349.4	349.9	350.4	350.9	351.5	352.0
115°	407.2	406.5	405.8	405.1	405.8	406.5	407.2	407.8	408.3	408.5	408.7
117.5°	461.3	460.6	459.9	459.2	459.9	460.6	461.3	461.9	462.5	463.1	463.6
120°	499.3	498.7	498.0	497.3	498.0	498.7	499.3	500.0	500.4	500.4	500.4
122.5°	536.1	535.6	535.1	534.6	535.1	535.6	536.1	536.6	537.1	537.6	538.2
125°	592.2	592.0	591.7	591.5	591.7	592.0	592.2	592.4	592.9	593.5	594.2
127.5°	645.5	644.8	644.1	643.4	644.1	644.8	645.5	646.2	647.0	647.8	648.6
130°	683.3	682.4	681.5	680.6	681.5	682.4	683.3	684.2	684.9	685.4	685.8
132.5°	718.5	717.7	717.0	716.3	717.0	717.7	718.5	719.2	720.0	721.0	722.0
135°	773.8	773.1	772.5	771.8	772.5	773.1	773.8	774.5	774.9	775.2	775.4
137.5°	824.7	823.8	822.9	822.0	822.9	823.8	824.7	825.6	826.2	826.4	826.5
140°	859.6	858.7	857.8	856.9	857.8	858.7	859.6	860.5	860.9	860.9	860.9
142.5°	891.2	890.3	889.4	888.5	889.4	890.3	891.2	892.1	892.4	892.3	892.1
145°	938.6	937.7	936.8	935.9	936.8	937.7	938.6	939.5	939.8	939.6	939.4
147.5°	980.8	979.9	979.1	978.2	979.1	979.9	980.8	981.6	981.8	981.3	980.8
150°	1007.8	1007.1	1006.4	1005.8	1006.4	1007.1	1007.8	1008.5	1008.5	1007.8	1007.1
152.5°	1034.3	1033.4	1032.5	1031.7	1032.5	1033.4	1034.3	1035.1	1035.1	1034.3	1033.4
155°	1068.6	1067.9	1067.2	1066.5	1067.2	1067.9	1068.6	1069.2	1069.0	1067.9	1066.8
157.5°	1099.8	1098.7	1097.6	1096.5	1097.6	1098.7	1099.8	1100.8	1100.6	1099.1	1097.6
160°	1117.9	1117.0	1116.1	1115.2	1116.1	1117.0	1117.9	1118.8	1118.5	1117.2	1115.8
162.5°	1134.6	1133.5	1132.4	1131.4	1132.4	1133.5	1134.6	1135.7	1135.5	1133.9	1132.4
165°	1156.0	1154.9	1153.8	1152.6	1153.8	1154.9	1156.0	1157.1	1156.9	1155.3	1153.8
167.5°	1173.6	1172.4	1171.2	1170.1	1171.2	1172.4	1173.6	1174.7	1174.5	1173.0	1171.4
170°	1183.0	1181.7	1180.3	1179.0	1180.3	1181.7	1183.0	1184.4	1184.3	1182.7	1181.1
172.5°	1190.3	1189.0	1187.6	1186.3	1187.6	1189.0	1190.3	1191.7	1191.5	1190.0	1188.4
175°	1198.2	1196.9	1195.5	1194.2	1195.5	1196.9	1198.2	1199.6	1199.4	1197.9	1196.3
177.5°	1201.0	1200.0	1198.9	1197.8	1198.9	1200.0	1201.0	1202.1	1202.1	1201.0	1200.0
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1276.4	1280.9	1287.8	1295.2	1299.7	1308.3	1310.7	1314.8	1318.5	1327.1	1336.0
5°	1202.7	1209.8	1226.7	1235.9	1248.6	1263.4	1273.1	1283.4	1294.6	1314.0	1331.8
7.5°	1123.7	1135.6	1156.5	1173.7	1191.9	1213.1	1228.4	1248.6	1265.4	1292.7	1318.9
10°	1071.0	1087.8	1106.7	1127.1	1152.7	1175.1	1196.6	1222.1	1242.5	1275.2	1305.8
12.5°	1023.6	1026.2	1053.2	1075.7	1110.6	1138.4	1163.1	1196.0	1216.0	1254.8	1287.0
15°	940.8	956.1	980.6	998.5	1039.9	1075.1	1109.8	1144.0	1167.0	1214.9	1257.3
17.5°	871.1	885.2	910.3	939.6	969.3	1004.3	1049.2	1085.3	1116.5	1171.4	1221.5
20°	827.0	844.3	869.9	900.0	926.0	964.3	1003.1	1044.4	1078.1	1139.9	1198.6
22.5°	789.4	803.1	823.7	853.4	881.9	916.9	959.4	1004.4	1039.8	1106.4	1165.9
25°	736.6	747.9	761.1	785.6	817.8	856.1	889.3	938.8	990.3	1052.6	1124.6
27.5°	689.0	697.0	708.8	730.3	755.2	791.0	827.9	874.9	926.7	994.3	1070.3
30°	660.1	665.2	676.9	694.8	719.3	747.3	784.6	829.5	882.6	951.0	1026.6
32.5°	634.7	639.4	647.1	664.1	685.4	709.4	743.0	787.9	838.5	905.7	989.4
35°	596.8	600.3	607.0	620.7	632.5	656.0	684.0	724.9	772.4	836.7	923.5
37.5°	558.9	563.8	567.9	573.7	588.8	604.2	628.6	663.1	709.7	774.6	857.3
40°	534.0	538.0	544.2	546.7	559.0	572.8	592.7	624.3	671.3	730.5	811.2
42.5°	508.6	512.7	516.4	519.4	530.0	542.1	560.0	587.2	628.8	686.4	766.2
45°	474.2	474.7	478.3	483.9	489.0	497.7	510.5	534.0	566.1	620.2	692.7
47.5°	439.3	439.9	440.5	443.0	448.6	456.5	464.9	484.0	512.8	556.0	626.6
50°	416.0	415.0	416.0	418.1	421.7	428.3	438.0	451.8	475.3	515.6	580.4
52.5°	393.6	393.4	392.8	393.6	396.3	400.9	407.8	419.5	440.5	477.6	534.7
55°	359.4	356.8	357.3	355.3	359.9	360.9	366.0	375.7	394.1	419.6	473.2
57.5°	322.9	320.8	318.5	317.9	317.5	320.3	324.4	332.0	346.1	368.5	412.0
60°	299.7	297.1	294.0	293.0	293.0	294.5	296.6	302.2	315.5	335.4	371.1
62.5°	276.0	273.0	271.2	268.5	267.7	269.2	271.3	275.3	284.8	303.5	334.4
65°	239.4	235.8	233.3	232.8	231.8	230.2	231.2	235.3	243.0	257.8	282.3
67.5°	202.8	199.4	198.8	195.8	194.4	194.6	194.4	197.9	202.5	215.2	233.5
70°	178.7	176.1	175.1	172.5	171.5	170.5	169.5	172.5	177.1	187.9	203.7
72.5°	154.2	152.0	149.8	147.6	147.8	146.8	146.6	148.4	152.2	162.1	174.3
75°	118.9	119.5	116.9	114.3	113.8	112.8	112.8	114.3	115.9	123.5	133.2
77.5°	86.3	85.9	83.7	82.9	82.4	81.3	82.4	83.4	84.2	89.3	96.5
80°	65.9	65.9	63.3	63.3	62.8	61.3	62.8	61.8	63.8	68.9	74.0
82.5°	47.1	46.2	46.1	45.3	45.2	44.1	44.8	45.8	46.7	50.1	53.2
85°	23.0	23.0	22.5	22.0	22.5	22.0	22.5	23.0	23.5	25.0	27.6
87.5°	11.9	12.4	11.8	11.2	10.2	9.7	9.3	9.2	9.5	9.3	9.2
90°	35.0	35.4	30.5	25.5	20.6	15.6	11.8	9.1	6.4	3.7	1.0
92.5°	32.3	32.2	31.0	29.9	28.7	27.5	26.0	24.0	22.0	20.0	18.0
95°	64.8	64.8	64.4	63.9	63.5	63.0	61.7	59.4	57.2	54.9	52.7
97.5°	109.0	109.0	108.1	107.3	106.4	105.6	104.1	102.2	100.2	98.2	96.2
100°	139.8	139.8	139.1	138.4	137.7	137.1	135.8	134.0	132.2	130.4	128.6
102.5°	173.2	173.0	172.1	171.3	170.4	169.6	168.4	167.0	165.5	164.1	162.7
105°	223.3	222.8	222.4	221.9	221.5	221.0	220.5	219.8	219.1	218.4	217.8
107.5°	277.9	277.7	277.7	277.7	277.7	277.7	277.2	276.2	275.2	274.3	273.3
110°	315.0	315.0	315.0	315.0	315.0	315.0	314.3	313.0	311.6	310.3	308.9



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	352.5	353.1	353.3	353.4	353.6	353.8	353.2	351.9	350.5	349.2	347.8
115°	409.0	409.2	409.6	410.1	410.5	411.0	410.5	409.2	407.8	406.5	405.1
117.5°	464.2	464.7	466.0	467.2	468.5	469.7	469.5	467.7	465.9	464.1	462.3
120°	500.4	500.4	502.2	504.0	505.8	507.6	507.6	505.8	504.0	502.2	500.4
122.5°	538.7	539.2	540.5	541.8	543.0	544.3	543.8	541.7	539.5	537.4	535.2
125°	594.9	595.6	596.2	596.9	597.6	598.3	597.6	595.6	593.5	591.5	589.5
127.5°	649.4	650.3	651.1	651.9	652.7	653.5	652.6	650.1	647.5	644.9	642.4
130°	686.3	686.7	687.2	687.6	688.1	688.5	687.3	684.4	681.4	678.5	675.6
132.5°	723.0	724.0	723.9	723.8	723.7	723.6	722.4	720.0	717.6	715.2	712.8
135°	775.6	775.8	775.4	774.9	774.5	774.0	772.6	770.1	767.6	765.2	762.7
137.5°	826.7	826.9	826.3	825.7	825.1	824.6	823.2	821.2	819.2	817.2	815.1
140°	860.9	860.9	859.8	858.7	857.6	856.4	854.8	852.8	850.8	848.8	846.7
142.5°	891.9	891.7	891.0	890.2	889.4	888.7	887.3	885.2	883.2	881.2	879.2
145°	939.1	938.9	937.6	936.2	934.9	933.5	932.1	930.5	928.9	927.3	925.7
147.5°	980.3	979.8	978.9	978.0	977.1	976.2	974.8	972.9	971.1	969.2	967.3
150°	1006.4	1005.8	1004.9	1004.0	1003.1	1002.2	1001.0	999.7	998.3	997.0	995.6
152.5°	1032.5	1031.7	1030.6	1029.5	1028.5	1027.4	1026.2	1024.8	1023.5	1022.1	1020.8
155°	1065.6	1064.5	1063.8	1063.2	1062.5	1061.8	1061.1	1060.5	1059.8	1059.1	1058.4
157.5°	1096.0	1094.5	1094.1	1093.7	1093.3	1092.9	1092.4	1092.0	1091.5	1091.1	1090.6
160°	1114.5	1113.1	1112.9	1112.7	1112.5	1112.2	1111.9	1111.4	1111.0	1110.5	1110.1
162.5°	1130.9	1129.3	1129.1	1128.9	1128.7	1128.4	1128.3	1128.2	1128.1	1128.0	1127.9
165°	1152.2	1150.6	1150.6	1150.6	1150.6	1150.6	1150.7	1150.9	1151.2	1151.4	1151.6
167.5°	1169.8	1168.2	1168.3	1168.3	1168.4	1168.4	1168.8	1169.4	1170.1	1170.8	1171.5
170°	1179.5	1178.0	1178.2	1178.4	1178.6	1178.9	1179.3	1180.0	1180.7	1181.3	1182.0
172.5°	1186.8	1185.2	1185.5	1185.7	1185.9	1186.1	1186.6	1187.3	1187.9	1188.6	1189.3
175°	1194.7	1193.1	1193.6	1194.0	1194.5	1194.9	1195.5	1196.2	1196.9	1197.5	1198.2
177.5°	1198.9	1197.8	1198.2	1198.5	1198.9	1199.2	1199.7	1200.2	1200.8	1201.3	1201.9
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1335.2	1337.3	1343.8	1350.3	1357.7	1359.7	1363.0	1360.1	1359.3	1367.1	1372.8
5°	1339.0	1348.2	1366.1	1382.4	1396.2	1405.9	1416.1	1420.2	1427.8	1438.5	1451.8
7.5°	1334.7	1352.6	1380.7	1404.4	1430.4	1449.1	1463.7	1476.1	1491.2	1511.5	1533.7
10°	1329.8	1353.8	1388.0	1417.1	1448.7	1472.7	1492.7	1512.0	1534.5	1562.6	1591.7
12.5°	1320.8	1349.3	1392.1	1426.5	1467.1	1490.7	1517.6	1559.4	1583.5	1622.6	1663.6
15°	1302.8	1334.4	1394.1	1436.5	1482.4	1527.4	1576.9	1616.7	1656.5	1679.5	1737.2
17.5°	1275.9	1322.4	1388.5	1437.9	1496.3	1567.1	1622.7	1667.8	1713.8	1751.1	1780.0
20°	1254.3	1304.8	1380.3	1439.6	1509.0	1585.0	1648.9	1694.8	1734.6	1765.8	1783.6
22.5°	1226.9	1290.5	1364.0	1433.4	1522.1	1597.3	1664.4	1700.5	1733.8	1749.0	1755.9
25°	1183.8	1260.4	1343.6	1428.3	1528.4	1608.0	1669.3	1691.2	1700.9	1686.1	1661.6
27.5°	1137.4	1222.7	1320.0	1418.7	1524.5	1601.1	1645.0	1641.5	1625.1	1577.2	1538.9
30°	1102.6	1196.6	1301.2	1408.9	1515.1	1589.6	1615.2	1589.6	1552.4	1498.8	1444.2
32.5°	1066.3	1163.5	1281.2	1395.0	1498.0	1563.5	1569.0	1525.1	1467.4	1406.5	1338.4
35°	1011.3	1116.4	1243.5	1364.0	1461.5	1502.9	1478.4	1400.8	1332.4	1249.2	1156.2
37.5°	949.1	1065.2	1192.7	1318.6	1406.9	1417.7	1356.9	1275.2	1178.7	1080.9	971.6
40°	902.5	1025.6	1156.8	1283.9	1362.0	1350.7	1273.1	1183.3	1068.4	949.0	847.4
42.5°	860.9	983.9	1117.5	1242.2	1304.8	1274.0	1183.3	1073.0	949.6	837.1	744.1
45°	788.7	915.3	1052.1	1172.6	1208.3	1152.7	1032.7	910.2	788.7	694.8	621.3
47.5°	718.7	843.8	979.3	1085.2	1097.8	1023.0	891.9	765.8	661.4	584.9	533.0
50°	667.2	792.8	927.0	1021.5	1017.4	927.0	792.3	672.3	585.0	523.2	488.5
52.5°	621.1	739.7	868.6	954.5	932.9	834.3	705.7	599.2	527.4	479.1	447.7
55°	549.3	659.0	781.5	850.5	810.6	701.4	592.7	506.9	453.8	417.6	393.1
57.5°	478.0	580.9	685.8	728.3	684.3	583.4	492.7	430.5	390.6	363.8	347.8
60°	433.9	523.8	617.2	653.9	601.3	511.5	440.0	384.4	352.2	330.3	316.0
62.5°	389.8	470.3	558.4	578.4	530.3	454.3	391.0	344.8	318.3	298.8	285.4
65°	329.8	395.6	462.5	475.8	431.4	372.7	322.6	292.5	269.0	254.7	244.0
67.5°	270.5	323.3	370.7	381.4	342.5	301.8	265.7	239.4	223.5	211.6	202.6
70°	235.3	277.2	316.0	324.7	293.5	257.3	229.7	208.8	194.5	184.3	175.6
72.5°	198.2	233.1	265.3	271.2	245.7	218.1	195.4	179.0	166.3	159.8	151.5
75°	151.6	172.0	197.0	198.6	181.7	164.9	147.5	136.8	130.2	122.0	117.9
77.5°	107.0	123.0	137.3	140.1	130.1	118.6	108.9	100.5	94.8	91.1	87.3
80°	81.7	94.4	100.6	104.1	97.0	88.8	83.2	77.6	74.0	71.5	68.9
82.5°	58.4	66.3	72.0	74.7	70.9	66.0	60.3	57.2	54.4	52.3	51.4
85°	29.6	33.2	36.8	37.8	36.8	34.7	31.6	31.6	30.1	29.6	29.6
87.5°	11.0	13.1	13.7	15.4	15.4	16.4	17.4	17.9	18.5	18.0	17.5
90°	3.7	6.4	9.1	11.8	15.6	20.6	25.5	30.5	35.4	35.0	34.5
92.5°	20.0	22.0	24.0	26.0	27.5	28.7	29.9	31.0	32.2	32.3	32.4
95°	54.9	57.2	59.4	61.7	63.0	63.5	63.9	64.4	64.8	64.8	64.8
97.5°	98.2	100.2	102.2	104.1	105.6	106.4	107.3	108.1	109.0	109.0	109.0
100°	130.4	132.2	134.0	135.8	137.1	137.7	138.4	139.1	139.8	139.8	139.8
102.5°	164.1	165.5	167.0	168.4	169.6	170.4	171.3	172.1	173.0	173.2	173.4
105°	218.4	219.1	219.8	220.5	221.0	221.5	221.9	222.4	222.8	223.3	223.7
107.5°	274.3	275.2	276.2	277.2	277.7	277.7	277.7	277.7	277.7	277.9	278.1
110°	310.3	311.6	313.0	314.3	315.0	315.0	315.0	315.0	315.0	315.0	315.0



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	349.2	350.5	351.9	353.2	353.8	353.6	353.4	353.3	353.1	352.5	352.0
115°	406.5	407.8	409.2	410.5	411.0	410.5	410.1	409.6	409.2	409.0	408.7
117.5°	464.1	465.9	467.7	469.5	469.7	468.5	467.2	466.0	464.7	464.2	463.6
120°	502.2	504.0	505.8	507.6	507.6	505.8	504.0	502.2	500.4	500.4	500.4
122.5°	537.4	539.5	541.7	543.8	544.3	543.0	541.8	540.5	539.2	538.7	538.2
125°	591.5	593.5	595.6	597.6	598.3	597.6	596.9	596.2	595.6	594.9	594.2
127.5°	644.9	647.5	650.1	652.6	653.5	652.7	651.9	651.1	650.3	649.4	648.6
130°	678.5	681.4	684.4	687.3	688.5	688.1	687.6	687.2	686.7	686.3	685.8
132.5°	715.2	717.6	720.0	722.4	723.6	723.7	723.8	723.9	724.0	723.0	722.0
135°	765.2	767.6	770.1	772.6	774.0	774.5	774.9	775.4	775.8	775.6	775.4
137.5°	817.2	819.2	821.2	823.2	824.6	825.1	825.7	826.3	826.9	826.7	826.5
140°	848.8	850.8	852.8	854.8	856.4	857.6	858.7	859.8	860.9	860.9	860.9
142.5°	881.2	883.2	885.2	887.3	888.7	889.4	890.2	891.0	891.7	891.9	892.1
145°	927.3	928.9	930.5	932.1	933.5	934.9	936.2	937.6	938.9	939.1	939.4
147.5°	969.2	971.1	972.9	974.8	976.2	977.1	978.0	978.9	979.8	980.3	980.8
150°	997.0	998.3	999.7	1001.0	1002.2	1003.1	1004.0	1004.9	1005.8	1006.4	1007.1
152.5°	1022.1	1023.5	1024.8	1026.2	1027.4	1028.5	1029.5	1030.6	1031.7	1032.5	1033.4
155°	1059.1	1059.8	1060.5	1061.1	1061.8	1062.5	1063.2	1063.8	1064.5	1065.6	1066.8
157.5°	1091.1	1091.5	1092.0	1092.4	1092.9	1093.3	1093.7	1094.1	1094.5	1096.0	1097.6
160°	1110.5	1111.0	1111.4	1111.9	1112.2	1112.5	1112.7	1112.9	1113.1	1114.5	1115.8
162.5°	1128.0	1128.1	1128.2	1128.3	1128.4	1128.7	1128.9	1129.1	1129.3	1130.9	1132.4
165°	1151.4	1151.2	1150.9	1150.7	1150.6	1150.6	1150.6	1150.6	1150.6	1152.2	1153.8
167.5°	1170.8	1170.1	1169.4	1168.8	1168.4	1168.4	1168.3	1168.3	1168.2	1169.8	1171.4
170°	1181.3	1180.7	1180.0	1179.3	1178.9	1178.6	1178.4	1178.2	1178.0	1179.5	1181.1
172.5°	1188.6	1187.9	1187.3	1186.6	1186.1	1185.9	1185.7	1185.5	1185.2	1186.8	1188.4
175°	1197.5	1196.9	1196.2	1195.5	1194.9	1194.5	1194.0	1193.6	1193.1	1194.7	1196.3
177.5°	1201.3	1200.8	1200.2	1199.7	1199.2	1198.9	1198.5	1198.2	1197.8	1198.9	1200.0
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1377.7	1383.4	1383.4	1384.2	1390.8	1389.9	1389.5
5°	1466.1	1474.8	1475.8	1485.0	1491.1	1489.1	1483.5
7.5°	1549.5	1565.7	1577.9	1584.7	1592.8	1597.8	1595.6
10°	1615.7	1639.2	1653.5	1663.2	1674.9	1683.6	1680.5
12.5°	1675.7	1703.7	1723.3	1739.9	1741.5	1752.6	1745.0
15°	1769.3	1798.9	1802.0	1814.3	1824.0	1822.9	1823.4
17.5°	1800.3	1809.8	1811.7	1812.0	1812.1	1808.5	1800.8
20°	1789.2	1785.7	1777.0	1770.4	1758.6	1757.1	1746.9
22.5°	1737.0	1725.6	1703.9	1689.5	1671.2	1666.4	1663.6
25°	1634.1	1609.0	1574.3	1541.1	1532.0	1514.1	1519.2
27.5°	1492.9	1453.9	1416.3	1389.3	1364.9	1338.2	1345.8
30°	1393.6	1349.7	1296.6	1255.8	1229.8	1204.2	1199.6
32.5°	1275.2	1210.9	1151.6	1115.7	1075.8	1059.7	1042.0
35°	1071.0	1008.2	949.5	899.0	869.9	847.4	827.0
37.5°	887.3	815.0	767.7	726.7	705.7	692.8	696.1
40°	773.4	710.1	675.4	644.2	624.8	615.6	617.7
42.5°	681.1	633.7	605.1	583.8	570.1	565.0	563.8
45°	576.3	549.8	526.3	514.1	507.4	501.8	498.2
47.5°	504.9	483.2	470.0	462.7	456.9	451.2	451.1
50°	462.0	447.7	438.5	430.8	426.3	422.2	425.7
52.5°	429.3	416.2	407.1	400.2	398.5	394.8	394.7
55°	380.8	370.6	364.0	357.8	354.8	352.7	350.2
57.5°	336.7	327.0	320.9	317.0	311.2	309.1	308.3
60°	305.3	297.6	291.5	286.4	283.8	279.7	279.7
62.5°	276.3	268.6	262.9	259.0	254.8	253.2	253.6
65°	234.3	228.2	222.6	218.5	217.5	214.4	215.4
67.5°	195.7	191.6	185.7	183.5	181.5	179.9	178.7
70°	170.0	165.9	162.8	159.8	158.2	158.2	158.2
72.5°	148.3	143.4	141.6	137.7	138.6	137.0	135.4
75°	114.9	111.8	110.3	108.7	106.2	106.2	106.2
77.5°	84.5	83.6	81.8	80.1	79.5	79.0	79.2
80°	65.3	64.8	63.8	63.8	62.8	62.3	61.3
82.5°	50.2	48.9	48.3	47.9	47.7	47.6	47.4
85°	28.6	27.6	27.6	28.1	27.1	27.1	27.6
87.5°	17.8	17.8	17.3	17.4	17.8	17.5	17.5
90°	34.1	33.6	33.5	33.8	34.0	34.2	34.4
92.5°	32.5	32.6	32.6	32.7	32.7	32.8	32.8
95°	64.8	64.8	64.6	64.1	63.7	63.2	62.8
97.5°	109.0	109.0	109.0	108.9	108.9	108.8	108.8
100°	139.8	139.8	139.7	139.4	139.2	139.0	138.8
102.5°	173.5	173.7	173.7	173.5	173.2	173.0	172.8
105°	224.2	224.6	224.9	224.9	224.9	224.9	224.9
107.5°	278.3	278.4	278.0	277.0	275.9	274.9	273.9
110°	315.0	315.0	314.7	314.0	313.3	312.6	312.0



TEST NUMBER: P331538

CATALOG NUMBER: S122DIW-S675D970U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	351.5	350.9	350.4	349.9	349.4	348.9	348.4
115°	408.5	408.3	407.8	407.2	406.5	405.8	405.1
117.5°	463.1	462.5	461.9	461.3	460.6	459.9	459.2
120°	500.4	500.4	500.0	499.3	498.7	498.0	497.3
122.5°	537.6	537.1	536.6	536.1	535.6	535.1	534.6
125°	593.5	592.9	592.4	592.2	592.0	591.7	591.5
127.5°	647.8	647.0	646.2	645.5	644.8	644.1	643.4
130°	685.4	684.9	684.2	683.3	682.4	681.5	680.6
132.5°	721.0	720.0	719.2	718.5	717.7	717.0	716.3
135°	775.2	774.9	774.5	773.8	773.1	772.5	771.8
137.5°	826.4	826.2	825.6	824.7	823.8	822.9	822.0
140°	860.9	860.9	860.5	859.6	858.7	857.8	856.9
142.5°	892.3	892.4	892.1	891.2	890.3	889.4	888.5
145°	939.6	939.8	939.5	938.6	937.7	936.8	935.9
147.5°	981.3	981.8	981.6	980.8	979.9	979.1	978.2
150°	1007.8	1008.5	1008.5	1007.8	1007.1	1006.4	1005.8
152.5°	1034.3	1035.1	1035.1	1034.3	1033.4	1032.5	1031.7
155°	1067.9	1069.0	1069.2	1068.6	1067.9	1067.2	1066.5
157.5°	1099.1	1100.6	1100.8	1099.8	1098.7	1097.6	1096.5
160°	1117.2	1118.5	1118.8	1117.9	1117.0	1116.1	1115.2
162.5°	1133.9	1135.5	1135.7	1134.6	1133.5	1132.4	1131.4
165°	1155.3	1156.9	1157.1	1156.0	1154.9	1153.8	1152.6
167.5°	1173.0	1174.5	1174.7	1173.6	1172.4	1171.2	1170.1
170°	1182.7	1184.3	1184.4	1183.0	1181.7	1180.3	1179.0
172.5°	1190.0	1191.5	1191.7	1190.3	1189.0	1187.6	1186.3
175°	1197.9	1199.4	1199.6	1198.2	1196.9	1195.5	1194.2
177.5°	1201.0	1202.1	1202.1	1201.0	1200.0	1198.9	1197.8
180°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2

(END OF REPORT)