

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: P331537-940

Luminaire Tested: **S122DIW-S675D970U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331537-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D970U940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066.8 lumens
Efficiency: N/A
Efficacy: 115.3 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

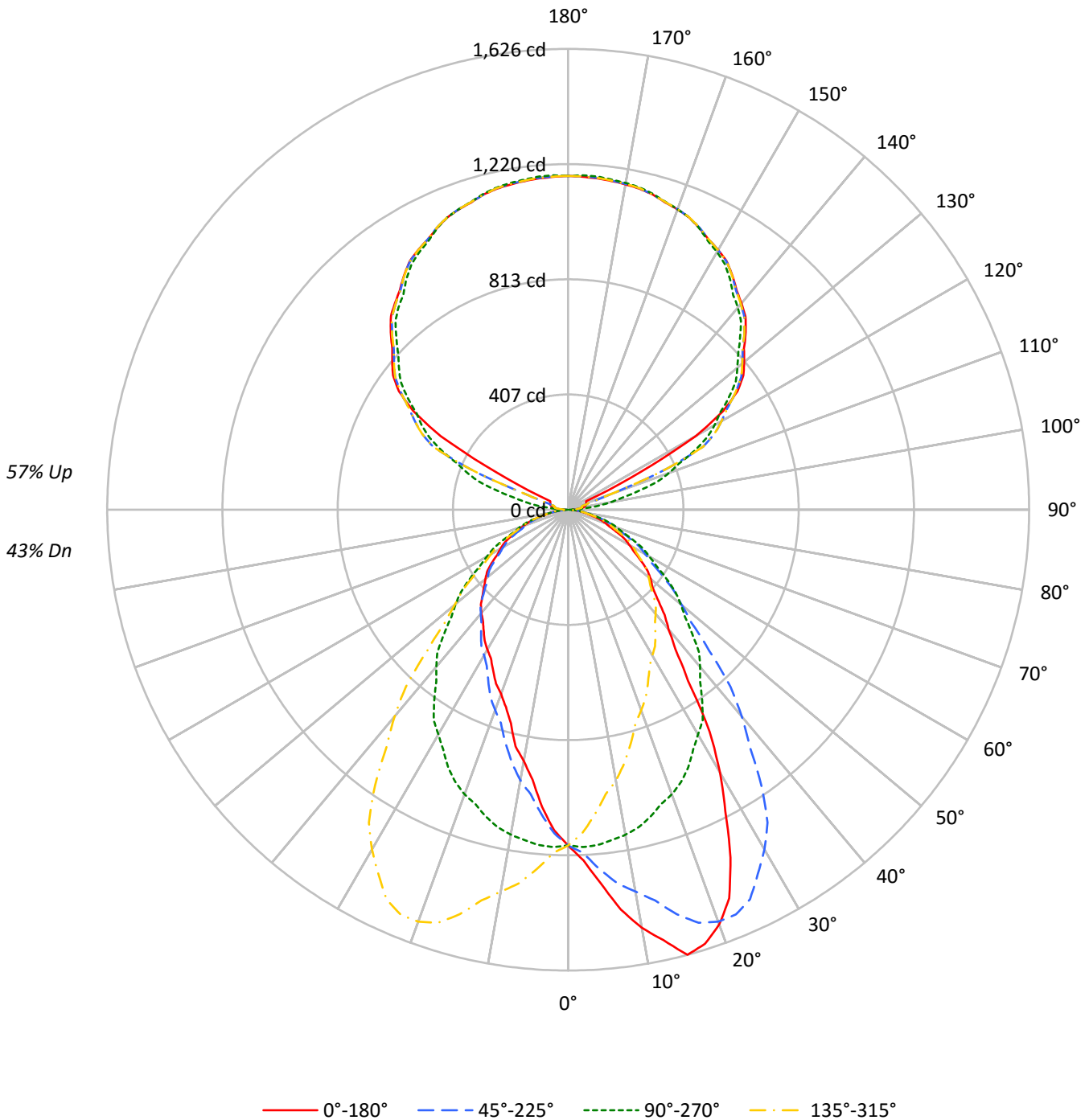
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	0	
RCR																						
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				
1	97	93	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37				
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27				
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24				
5	68	57	49	43	62	53	46	41	44	39	35	36	33	30	29	26	24	21				
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19				
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17				
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	22	20	18	15				
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14				
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19125	19125	19125	19125
5°	21441	19248	17057	19248
10°	24568	19090	14762	19090
15°	27178	18740	13041	18740
20°	26764	18364	11888	18364
25°	24134	17865	11158	17865
30°	19943	17066	10625	17066
35°	14534	16232	10247	16232
40°	11609	15247	10037	15247
45°	10145	14104	9750	14104
50°	9535	12999	9560	12999
55°	8791	11879	9303	11879
60°	8054	10685	8909	10685
65°	7339	9616	8520	9616
70°	6661	8573	7950	8573
75°	5908	7411	7043	7411
80°	5086	6137	5672	6137
85°	4557	4557	3372	4557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	1.9
10°-20°	327.9	5.4
20°-30°	475.9	7.8
30°-40°	502.2	8.3
40°-50°	444.7	7.3
50°-60°	354.9	5.8
60°-70°	241.2	4.0
70°-80°	123.7	2.0
80°-90°	32.7	0.5
90°-100°	39.3	0.6
100°-110°	144.0	2.4
110°-120°	385.0	6.3
120°-130°	635.6	10.5
130°-140°	675.9	11.1
140°-150°	628.3	10.4
150°-160°	505.1	8.3
160°-170°	325.5	5.4
170°-180°	112.0	1.8
0°-30°	916.7	15.1
0°-40°	1418.9	23.4
0°-60°	2218.4	36.6
0°-90°	2616.0	43.1
90°-120°	568.4	9.4
90°-150°	2508.2	41.3
90°-180°	3451.0	56.9
0°-180°	6066.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1184	1184	1184	1184	1184	
5°	1323	1188	1052	1188	1323	132
15°	1626	1121	780	1121	1626	449
25°	1355	1003	626	1003	1355	612
35°	737	824	520	824	737	480
45°	444	618	427	618	444	349
55°	312	422	330	422	312	280
65°	192	252	223	252	192	191
75°	95	119	113	119	95	101
85°	25	25	18	25	25	28
90°	23	1	23	1	23	11
95°	37	55	37	55	37	34
105°	65	259	65	259	65	67
115°	70	490	70	490	70	175
125°	728	693	728	693	728	630
135°	885	857	885	857	885	682
145°	1010	994	1010	994	1010	631
155°	1096	1095	1096	1095	1096	506
165°	1151	1154	1151	1154	1151	325
175°	1173	1180	1173	1180	1173	112
180°	1178	1178	1178	1178	1178	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1239.0	1239.4	1240.2	1234.3	1233.6	1233.6	1228.5	1224.1	1219.1	1212.1	1212.8
5°	1322.9	1327.8	1329.6	1324.2	1316.0	1315.1	1307.3	1294.6	1282.7	1273.2	1266.4
7.5°	1422.8	1424.8	1420.3	1413.1	1407.0	1396.2	1381.7	1367.6	1347.8	1329.7	1316.3
10°	1498.5	1501.3	1493.5	1483.1	1474.4	1461.7	1440.7	1419.3	1393.4	1368.3	1348.3
12.5°	1556.0	1562.8	1552.9	1551.5	1536.7	1519.2	1494.2	1483.5	1446.9	1412.0	1390.5
15°	1625.9	1625.5	1626.5	1617.8	1606.9	1604.1	1577.7	1549.1	1497.6	1477.1	1441.6
17.5°	1605.8	1612.7	1615.9	1615.8	1615.5	1613.8	1605.3	1587.2	1561.5	1528.2	1487.2
20°	1557.7	1566.8	1568.2	1578.7	1584.6	1592.3	1595.4	1590.5	1574.6	1546.8	1511.3
22.5°	1483.5	1485.9	1490.2	1506.5	1519.4	1538.7	1548.9	1565.8	1559.6	1546.0	1516.4
25°	1354.7	1350.1	1366.1	1374.2	1403.8	1434.8	1457.1	1481.7	1503.5	1516.7	1508.1
27.5°	1200.1	1193.3	1217.1	1238.9	1262.9	1296.5	1331.2	1372.3	1406.4	1449.1	1463.7
30°	1069.7	1073.8	1096.6	1119.8	1156.2	1203.5	1242.7	1287.8	1336.5	1384.3	1417.5
32.5°	929.2	944.9	959.3	994.9	1026.9	1079.8	1137.1	1193.5	1254.2	1308.5	1359.9
35°	737.4	755.6	775.7	801.6	846.7	899.0	955.0	1031.0	1113.9	1188.1	1249.1
37.5°	620.7	617.8	629.3	648.0	684.6	726.7	791.2	866.4	963.9	1051.1	1137.1
40°	550.8	548.9	557.1	574.4	602.3	633.2	689.6	755.6	846.2	952.7	1055.2
42.5°	502.7	503.8	508.4	520.6	539.6	565.1	607.3	663.5	746.5	846.8	956.8
45°	444.3	447.5	452.5	458.4	469.3	490.3	513.9	554.0	619.6	703.3	811.6
47.5°	402.3	402.3	407.4	412.6	419.1	430.9	450.2	475.3	521.6	589.8	682.9
50°	379.6	376.5	380.1	384.1	391.0	399.2	412.0	435.6	466.5	521.7	599.5
52.5°	352.0	352.0	355.3	356.9	363.0	371.1	382.8	399.2	427.2	470.3	534.3
55°	312.3	314.5	316.4	319.1	324.6	330.5	339.6	350.5	372.4	404.7	452.0
57.5°	274.9	275.6	277.5	282.7	286.1	291.6	300.2	310.1	324.4	348.3	383.9
60°	249.4	249.4	253.1	255.4	259.9	265.4	272.2	281.8	294.5	314.1	342.8
62.5°	226.1	225.8	227.2	231.0	234.4	239.5	246.4	254.5	266.4	283.8	307.5
65°	192.1	191.2	193.9	194.8	198.5	203.5	208.9	217.6	227.1	239.9	260.8
67.5°	159.3	160.4	161.8	163.6	165.6	170.9	174.5	180.7	188.7	199.3	213.5
70°	141.1	141.1	141.1	142.5	145.2	147.9	151.6	156.6	164.3	173.4	186.2
72.5°	120.7	122.2	123.6	122.8	126.3	127.9	132.2	135.1	142.5	148.3	159.6
75°	94.7	94.7	94.7	96.9	98.4	99.7	102.5	105.1	108.8	116.1	122.0
77.5°	70.6	70.4	70.9	71.4	72.9	74.5	75.3	77.8	81.2	84.5	89.6
80°	54.7	55.6	56.0	56.9	56.9	57.8	58.2	61.4	63.8	66.0	69.2
82.5°	42.3	42.4	42.5	42.7	43.1	43.6	44.8	45.8	46.6	48.5	51.0
85°	24.6	24.2	24.2	25.1	24.6	24.6	25.5	26.4	26.4	26.8	28.2
87.5°	14.1	14.0	14.3	13.8	13.7	14.0	13.8	13.3	13.5	13.6	13.6
90°	23.0	22.6	22.2	21.8	21.5	20.9	19.9	18.9	18.0	17.0	15.5
92.5°	23.0	22.7	22.6	22.3	22.1	21.8	21.2	20.8	20.2	19.8	19.0
95°	36.6	36.8	37.0	37.2	37.4	37.0	36.1	35.1	34.2	33.3	31.9
97.5°	48.9	48.7	48.4	48.2	48.0	47.5	46.7	46.0	45.2	44.5	41.4
100°	57.1	56.7	56.4	55.9	55.6	54.7	53.1	51.6	50.1	48.6	45.4
102.5°	61.2	60.6	60.1	59.6	59.0	57.8	55.8	53.9	51.9	49.9	47.9
105°	64.7	64.0	63.2	62.5	61.7	60.3	58.2	56.2	54.0	52.0	50.7
107.5°	66.6	65.9	65.1	64.4	63.6	64.3	66.4	68.5	70.6	72.8	76.4
110°	67.3	66.5	65.8	65.0	64.3	73.4	92.3	111.2	130.2	149.1	203.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	68.0	67.4	66.8	66.2	65.5	99.8	168.9	237.9	307.0	376.1	389.6
115°	69.9	83.5	97.1	110.8	124.4	175.0	262.7	350.4	438.0	525.8	521.0
117.5°	285.3	330.1	374.9	419.6	464.5	497.5	518.7	539.8	561.1	582.3	579.1
120°	519.8	545.3	570.9	596.5	622.0	633.6	631.3	629.1	626.9	624.6	621.2
122.5°	648.6	653.5	658.5	663.4	668.4	670.2	668.9	667.5	666.1	664.8	661.0
125°	728.5	727.9	727.4	726.8	726.2	725.3	724.0	722.6	721.3	720.0	716.4
127.5°	778.9	778.8	778.7	778.6	778.5	777.5	775.5	773.6	771.7	769.7	767.0
130°	810.3	810.5	810.7	810.8	811.1	810.1	808.1	805.9	803.9	801.8	799.7
132.5°	841.0	841.2	841.3	841.5	841.8	841.0	839.2	837.4	835.6	833.8	831.7
135°	885.3	885.6	886.0	886.4	886.8	886.0	884.1	882.3	880.4	878.5	876.7
137.5°	925.7	926.3	926.9	927.6	928.3	927.6	925.8	923.9	922.1	920.2	918.3
140°	950.9	951.8	952.8	953.8	954.7	954.3	952.6	950.9	949.2	947.5	945.4
142.5°	975.4	976.4	977.3	978.3	979.2	978.9	977.4	975.8	974.3	972.7	970.4
145°	1009.7	1010.7	1011.6	1012.5	1013.5	1013.3	1012.0	1010.7	1009.3	1008.0	1004.8
147.5°	1039.8	1040.6	1041.4	1042.2	1043.0	1042.9	1042.0	1041.0	1040.0	1039.0	1035.8
150°	1058.3	1059.2	1060.2	1061.1	1062.0	1061.9	1060.8	1059.7	1058.5	1057.4	1054.4
152.5°	1074.0	1075.2	1076.5	1077.7	1079.0	1079.0	1077.8	1076.7	1075.6	1074.4	1071.6
155°	1095.7	1097.3	1098.8	1100.3	1101.8	1102.0	1100.8	1099.7	1098.6	1097.4	1095.2
157.5°	1115.7	1117.1	1118.7	1120.1	1121.6	1121.7	1120.4	1119.1	1117.8	1116.5	1114.9
160°	1127.3	1128.6	1129.9	1131.2	1132.6	1132.7	1131.5	1130.4	1129.3	1128.1	1127.0
162.5°	1136.8	1138.4	1140.1	1141.7	1143.4	1143.5	1142.2	1140.9	1139.6	1138.4	1137.4
165°	1151.1	1152.4	1153.8	1155.1	1156.5	1156.5	1155.1	1153.8	1152.4	1151.1	1150.6
167.5°	1160.2	1161.9	1163.6	1165.3	1167.0	1167.2	1165.8	1164.5	1163.1	1161.9	1161.4
170°	1165.6	1167.3	1169.0	1170.7	1172.4	1172.6	1171.3	1170.0	1168.7	1167.3	1167.0
172.5°	1169.7	1171.4	1173.1	1174.8	1176.5	1176.7	1175.4	1174.0	1172.8	1171.4	1171.0
175°	1173.3	1175.2	1177.1	1178.9	1180.9	1181.2	1179.8	1178.5	1177.1	1175.8	1175.5
177.5°	1175.5	1176.9	1178.2	1179.6	1181.0	1181.1	1180.0	1179.0	1177.9	1176.9	1176.7
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1215.4	1212.5	1210.7	1204.1	1198.3	1192.5	1190.6	1191.3	1183.4	1175.7	1172.4
5°	1262.8	1253.7	1245.0	1232.7	1218.2	1202.2	1194.0	1187.6	1171.7	1154.4	1144.4
7.5°	1305.2	1292.2	1275.5	1252.3	1231.2	1206.1	1190.2	1176.1	1152.7	1128.4	1113.4
10°	1331.1	1313.2	1291.8	1263.6	1237.7	1207.2	1185.8	1164.4	1137.1	1108.0	1089.8
12.5°	1353.3	1329.3	1308.2	1272.0	1241.4	1203.2	1177.8	1147.6	1118.9	1084.3	1066.5
15°	1406.1	1362.0	1321.9	1280.9	1243.1	1189.9	1161.7	1121.1	1083.3	1040.6	1020.1
17.5°	1447.0	1397.4	1334.3	1282.2	1238.1	1179.2	1137.7	1089.2	1044.6	995.6	967.8
20°	1470.3	1413.4	1345.6	1283.7	1230.8	1163.5	1118.5	1068.8	1016.5	961.4	931.3
22.5°	1484.2	1424.3	1357.3	1278.2	1216.3	1150.8	1094.0	1039.6	986.6	927.2	895.6
25°	1488.5	1433.9	1362.9	1273.6	1198.1	1123.9	1055.6	1002.8	938.6	883.1	837.1
27.5°	1466.9	1427.7	1359.4	1265.1	1177.1	1090.3	1014.2	954.4	886.6	826.3	780.2
30°	1440.3	1417.5	1351.0	1256.3	1160.3	1067.0	983.2	915.4	848.0	787.0	739.7
32.5°	1399.1	1394.2	1335.8	1243.9	1142.5	1037.5	950.8	882.3	807.6	747.7	702.6
35°	1318.3	1340.2	1303.2	1216.3	1108.8	995.5	901.8	823.5	746.1	688.8	646.4
37.5°	1210.0	1264.2	1254.5	1175.8	1063.5	949.9	846.3	764.5	690.7	632.8	591.3
40°	1135.2	1204.4	1214.5	1144.9	1031.5	914.5	804.8	723.4	651.4	598.6	556.7
42.5°	1055.2	1136.0	1163.5	1107.7	996.5	877.4	767.7	683.2	612.1	560.7	523.6
45°	920.9	1027.9	1077.5	1045.6	938.2	816.2	703.3	617.7	553.0	504.8	476.2
47.5°	795.3	912.2	978.9	967.7	873.3	752.4	640.9	558.7	495.8	457.3	431.6
50°	706.5	826.6	907.2	910.9	826.6	706.9	594.9	517.5	459.8	423.8	402.9
52.5°	629.3	744.0	831.9	851.1	774.5	659.6	553.8	476.8	425.9	392.8	374.1
55°	528.5	625.4	722.8	758.4	696.9	587.6	489.8	422.0	374.2	351.4	335.0
57.5°	439.3	520.2	610.2	649.4	611.5	518.0	426.2	367.4	328.6	308.6	296.0
60°	392.4	456.1	536.2	583.1	550.4	467.1	386.9	330.9	299.1	281.3	269.5
62.5°	348.7	405.1	472.9	515.8	497.9	419.4	347.6	298.2	270.6	254.0	245.5
65°	287.7	332.3	384.7	424.3	412.4	352.8	294.1	251.7	229.9	216.7	209.8
67.5°	236.9	269.1	305.4	340.1	330.6	288.3	241.2	208.2	191.9	180.6	176.5
70°	204.8	229.4	261.7	289.5	281.8	247.2	209.8	181.6	167.6	157.9	153.8
72.5°	174.2	194.5	219.1	241.8	236.6	207.9	176.7	155.4	144.5	135.7	132.3
75°	131.5	147.0	162.0	177.1	175.7	153.4	135.2	118.8	110.1	103.3	101.9
77.5°	97.1	105.8	116.0	124.9	122.4	109.7	95.4	86.1	79.6	75.1	74.4
80°	74.2	79.2	86.5	92.8	89.7	84.2	72.9	66.0	61.4	56.9	55.1
82.5°	53.8	58.9	63.2	66.6	64.2	59.1	52.1	47.4	44.7	41.6	40.8
85°	28.2	30.9	32.8	33.7	32.8	29.6	26.4	24.6	22.3	21.0	20.5
87.5°	13.7	13.5	13.1	13.5	11.9	11.6	9.7	8.2	8.2	8.3	7.9
90°	14.0	12.5	11.0	9.2	7.1	5.0	2.9	0.9	2.9	5.0	7.1
92.5°	18.3	17.5	16.8	16.5	16.7	16.9	17.0	17.2	17.0	16.9	16.7
95°	30.6	29.2	27.9	30.4	36.6	42.9	49.1	55.4	49.1	42.9	36.6
97.5°	38.3	35.3	32.2	39.5	57.1	74.7	92.3	109.9	92.3	74.7	57.1
100°	42.1	38.9	35.7	47.1	73.0	98.9	124.8	150.8	124.8	98.9	73.0
102.5°	103.8	130.7	157.7	173.8	179.3	184.9	190.3	195.8	190.3	184.9	179.3
105°	155.3	207.1	258.8	281.8	276.1	270.4	264.7	259.0	264.7	270.4	276.1
107.5°	196.7	258.8	320.7	349.5	344.8	340.3	335.7	331.1	335.7	340.3	344.8
110°	258.6	313.3	368.0	393.3	389.4	385.4	381.5	377.5	381.5	385.4	389.4



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	403.1	416.7	430.2	435.2	431.7	428.1	424.6	421.1	424.6	428.1	431.7
115°	516.2	511.5	506.8	502.8	499.6	496.4	493.1	489.9	493.1	496.4	499.6
117.5°	575.8	572.6	569.3	565.9	562.2	558.7	555.1	551.4	555.1	558.7	562.2
120°	617.8	614.3	610.9	607.8	604.9	602.1	599.3	596.5	599.3	602.1	604.9
122.5°	657.4	653.6	650.0	646.6	643.5	640.6	637.6	634.6	637.6	640.6	643.5
125°	712.8	709.2	705.6	702.6	700.1	697.7	695.2	692.7	695.2	697.7	700.1
127.5°	764.4	761.7	759.0	756.3	753.6	750.8	748.1	745.4	748.1	750.8	753.6
130°	797.6	795.5	793.4	790.9	787.8	784.9	781.9	778.8	781.9	784.9	787.8
132.5°	829.6	827.6	825.5	823.1	820.6	818.1	815.5	812.9	815.5	818.1	820.6
135°	875.0	873.3	871.6	869.3	866.3	863.3	860.2	857.2	860.2	863.3	866.3
137.5°	916.3	914.4	912.5	910.4	908.4	906.2	904.1	902.0	904.1	906.2	908.4
140°	943.3	941.2	939.1	937.4	935.9	934.3	932.8	931.3	932.8	934.3	935.9
142.5°	968.0	965.5	963.1	961.3	959.9	958.6	957.2	955.8	957.2	958.6	959.9
145°	1001.6	998.4	995.1	993.6	993.8	994.0	994.2	994.3	994.2	994.0	993.8
147.5°	1032.6	1029.5	1026.3	1025.0	1025.7	1026.4	1027.2	1028.0	1027.2	1026.4	1025.7
150°	1051.3	1048.3	1045.3	1044.5	1045.8	1047.0	1048.4	1049.7	1048.4	1047.0	1045.8
152.5°	1068.7	1065.8	1062.9	1062.2	1063.7	1065.1	1066.7	1068.2	1066.7	1065.1	1063.7
155°	1092.9	1090.7	1088.3	1088.1	1089.8	1091.5	1093.1	1094.9	1093.1	1091.5	1089.8
157.5°	1113.4	1111.8	1110.2	1110.1	1111.5	1112.9	1114.5	1115.9	1114.5	1112.9	1111.5
160°	1125.9	1124.7	1123.6	1123.6	1124.7	1125.9	1127.0	1128.1	1127.0	1125.9	1124.7
162.5°	1136.4	1135.4	1134.4	1134.5	1135.6	1136.8	1137.9	1139.1	1137.9	1136.8	1135.6
165°	1150.0	1149.4	1148.9	1149.1	1150.3	1151.4	1152.5	1153.7	1152.5	1151.4	1150.3
167.5°	1160.8	1160.3	1159.8	1160.0	1161.2	1162.3	1163.4	1164.6	1163.4	1162.3	1161.2
170°	1166.5	1166.2	1165.8	1166.2	1167.3	1168.5	1169.6	1170.7	1169.6	1168.5	1167.3
172.5°	1170.6	1170.3	1169.9	1170.3	1171.4	1172.5	1173.7	1174.8	1173.7	1172.5	1171.4
175°	1175.1	1174.7	1174.3	1174.8	1176.2	1177.4	1178.8	1180.1	1178.8	1177.4	1176.2
177.5°	1176.5	1176.4	1176.3	1176.7	1177.8	1178.8	1179.9	1181.0	1179.9	1178.8	1177.8
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1168.8	1166.6	1159.0	1154.9	1148.3	1142.2	1138.2	1140.1	1141.5	1140.8	1139.6
5°	1135.2	1126.6	1113.4	1102.1	1093.9	1078.8	1072.5	1069.3	1066.6	1063.4	1060.2
7.5°	1095.4	1081.7	1062.8	1046.6	1031.3	1012.6	1002.0	995.6	989.1	981.9	975.5
10°	1067.0	1047.8	1027.9	1005.0	986.9	970.0	955.0	945.0	935.9	927.3	920.9
12.5°	1037.1	1015.1	990.3	959.2	939.1	915.1	912.8	895.1	880.9	875.6	868.1
15°	989.6	958.7	927.3	890.4	874.4	852.6	838.9	825.3	813.0	804.3	802.1
17.5°	935.6	895.5	864.3	837.9	811.7	789.3	776.8	765.8	755.7	744.1	742.6
20°	894.5	859.9	825.7	802.5	775.7	752.9	737.4	726.5	717.8	711.1	705.1
22.5°	855.5	817.6	786.4	761.0	734.5	716.1	703.9	693.4	686.2	678.6	673.1
25°	793.0	763.4	729.2	700.5	678.7	666.9	656.8	647.7	643.2	638.2	631.9
27.5°	738.2	705.3	673.4	651.2	632.0	621.5	614.4	608.2	604.0	601.0	597.4
30°	699.6	666.4	641.4	619.6	603.6	593.2	588.6	585.0	580.0	578.1	576.3
32.5°	662.5	632.6	611.2	592.2	577.0	570.2	566.0	562.8	558.8	557.0	553.3
35°	609.9	585.0	564.0	553.5	541.3	535.3	532.2	527.5	524.0	522.1	521.7
37.5°	560.5	538.8	525.0	511.6	506.4	502.7	498.4	495.3	494.2	493.9	493.5
40°	528.5	510.8	498.5	487.5	485.3	479.7	476.2	473.4	473.4	473.9	473.4
42.5°	499.4	483.4	472.6	463.2	460.5	457.2	453.5	453.3	454.1	455.7	454.1
45°	455.2	443.8	436.0	431.5	426.5	423.3	422.8	424.3	424.7	425.2	426.5
47.5°	414.6	407.1	400.0	395.0	392.8	392.3	391.7	394.1	396.3	397.1	399.2
50°	390.6	381.9	376.0	372.8	371.0	370.1	371.0	373.7	375.5	377.8	379.2
52.5°	363.6	357.5	353.4	351.0	350.3	350.8	351.0	354.1	357.0	357.8	358.5
55°	326.4	321.8	320.9	316.8	318.6	318.2	320.5	322.3	325.0	327.7	328.2
57.5°	289.3	285.6	283.1	283.5	284.0	286.1	287.9	291.1	294.1	296.9	297.2
60°	264.5	262.6	261.3	261.3	262.2	264.9	267.2	270.4	272.2	274.0	275.4
62.5°	241.9	240.0	238.7	239.4	241.8	243.4	246.1	247.8	249.6	251.5	252.1
65°	206.2	205.3	206.7	207.6	208.0	210.3	213.5	214.8	216.7	217.6	220.8
67.5°	173.3	173.5	173.3	174.6	177.3	177.8	180.8	184.0	184.3	186.1	188.2
70°	151.1	152.0	152.9	153.8	156.1	157.0	159.3	160.7	162.5	163.9	165.2
72.5°	130.7	130.9	131.8	131.6	133.6	135.5	137.5	138.8	140.6	142.4	143.7
75°	100.6	100.6	101.5	101.9	104.2	106.6	106.0	107.0	108.8	110.6	111.6
77.5°	73.5	72.5	73.5	73.9	74.6	76.6	77.0	78.2	80.3	79.6	80.7
80°	56.0	54.7	56.0	56.4	56.4	58.8	58.8	59.7	61.0	59.7	61.0
82.5°	39.9	39.3	40.3	40.4	41.1	41.2	42.0	42.2	43.5	42.9	43.5
85°	20.1	19.6	20.1	19.6	20.1	20.5	20.5	20.1	20.1	21.0	19.6
87.5°	8.0	8.0	7.9	8.3	8.2	8.1	7.9	8.1	8.4	7.8	7.9
90°	9.2	11.0	12.5	14.0	15.5	17.0	18.0	18.9	19.9	20.9	21.5
92.5°	16.5	16.8	17.5	18.3	19.0	19.8	20.2	20.8	21.2	21.8	22.1
95°	30.4	27.9	29.2	30.6	31.9	33.3	34.2	35.1	36.1	37.0	37.4
97.5°	39.5	32.2	35.3	38.3	41.4	44.5	45.2	46.0	46.7	47.5	48.0
100°	47.1	35.7	38.9	42.1	45.4	48.6	50.1	51.6	53.1	54.7	55.6
102.5°	173.8	157.7	130.7	103.8	76.9	49.9	51.9	53.9	55.8	57.8	59.0
105°	281.8	258.8	207.1	155.3	103.7	52.0	54.0	56.2	58.2	60.3	61.7
107.5°	349.5	320.7	258.8	196.7	134.7	72.8	70.6	68.5	66.4	64.3	63.6
110°	393.3	368.0	313.3	258.6	203.8	149.1	130.2	111.2	92.3	73.4	64.3



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	435.2	430.2	416.7	403.1	389.6	376.1	307.0	237.9	168.9	99.8	65.5
115°	502.8	506.8	511.5	516.2	521.0	525.8	438.0	350.4	262.7	175.0	124.4
117.5°	565.9	569.3	572.6	575.8	579.1	582.3	561.1	539.8	518.7	497.5	464.5
120°	607.8	610.9	614.3	617.8	621.2	624.6	626.9	629.1	631.3	633.6	622.0
122.5°	646.6	650.0	653.6	657.4	661.0	664.8	666.1	667.5	668.9	670.2	668.4
125°	702.6	705.6	709.2	712.8	716.4	720.0	721.3	722.6	724.0	725.3	726.2
127.5°	756.3	759.0	761.7	764.4	767.0	769.7	771.7	773.6	775.5	777.5	778.5
130°	790.9	793.4	795.5	797.6	799.7	801.8	803.9	805.9	808.1	810.1	811.1
132.5°	823.1	825.5	827.6	829.6	831.7	833.8	835.6	837.4	839.2	841.0	841.8
135°	869.3	871.6	873.3	875.0	876.7	878.5	880.4	882.3	884.1	886.0	886.8
137.5°	910.4	912.5	914.4	916.3	918.3	920.2	922.1	923.9	925.8	927.6	928.3
140°	937.4	939.1	941.2	943.3	945.4	947.5	949.2	950.9	952.6	954.3	954.7
142.5°	961.3	963.1	965.5	968.0	970.4	972.7	974.3	975.8	977.4	978.9	979.2
145°	993.6	995.1	998.4	1001.6	1004.8	1008.0	1009.3	1010.7	1012.0	1013.3	1013.5
147.5°	1025.0	1026.3	1029.5	1032.6	1035.8	1039.0	1040.0	1041.0	1042.0	1042.9	1043.0
150°	1044.5	1045.3	1048.3	1051.3	1054.4	1057.4	1058.5	1059.7	1060.8	1061.9	1062.0
152.5°	1062.2	1062.9	1065.8	1068.7	1071.6	1074.4	1075.6	1076.7	1077.8	1079.0	1079.0
155°	1088.1	1088.3	1090.7	1092.9	1095.2	1097.4	1098.6	1099.7	1100.8	1102.0	1101.8
157.5°	1110.1	1110.2	1111.8	1113.4	1114.9	1116.5	1117.8	1119.1	1120.4	1121.7	1121.6
160°	1123.6	1123.6	1124.7	1125.9	1127.0	1128.1	1129.3	1130.4	1131.5	1132.7	1132.6
162.5°	1134.5	1134.4	1135.4	1136.4	1137.4	1138.4	1139.6	1140.9	1142.2	1143.5	1143.4
165°	1149.1	1148.9	1149.4	1150.0	1150.6	1151.1	1152.4	1153.8	1155.1	1156.5	1156.5
167.5°	1160.0	1159.8	1160.3	1160.8	1161.4	1161.9	1163.1	1164.5	1165.8	1167.2	1167.0
170°	1166.2	1165.8	1166.2	1166.5	1167.0	1167.3	1168.7	1170.0	1171.3	1172.6	1172.4
172.5°	1170.3	1169.9	1170.3	1170.6	1171.0	1171.4	1172.8	1174.0	1175.4	1176.7	1176.5
175°	1174.8	1174.3	1174.7	1175.1	1175.5	1175.8	1177.1	1178.5	1179.8	1181.2	1180.9
177.5°	1176.7	1176.3	1176.4	1176.5	1176.7	1176.9	1177.9	1179.0	1180.0	1181.1	1181.0
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1136.0	1135.2	1135.2	1132.0	1135.2	1135.2	1136.0	1139.6	1140.8	1141.5	1140.1
5°	1053.8	1052.4	1050.2	1052.4	1050.2	1052.4	1053.8	1060.2	1063.4	1066.6	1069.3
7.5°	972.5	967.1	966.3	960.8	966.3	967.1	972.5	975.5	981.9	989.1	995.6
10°	913.1	909.5	909.0	900.4	909.0	909.5	913.1	920.9	927.3	935.9	945.0
12.5°	868.0	859.3	860.9	856.0	860.9	859.3	868.0	868.1	875.6	880.9	895.1
15°	789.8	789.8	787.9	780.2	787.9	789.8	789.8	802.1	804.3	813.0	825.3
17.5°	733.6	732.7	728.3	730.5	728.3	732.7	733.6	742.6	744.1	755.7	765.8
20°	700.1	697.4	691.9	691.9	691.9	697.4	700.1	705.1	711.1	717.8	726.5
22.5°	668.4	668.2	662.5	664.2	662.5	668.2	668.4	673.1	678.6	686.2	693.4
25°	631.3	627.8	625.0	626.3	625.0	627.8	631.3	631.9	638.2	643.2	647.7
27.5°	596.2	594.2	594.1	590.3	594.1	594.2	596.2	597.4	601.0	604.0	608.2
30°	575.9	571.3	572.2	569.9	572.2	571.3	575.9	576.3	578.1	580.0	585.0
32.5°	552.5	550.9	550.0	548.0	550.0	550.9	552.5	553.3	557.0	558.8	562.8
35°	520.8	521.2	519.0	519.9	519.0	521.2	520.8	521.7	522.1	524.0	527.5
37.5°	493.0	494.5	493.4	493.7	493.4	494.5	493.0	493.5	493.9	494.2	495.3
40°	474.7	474.7	474.7	476.2	474.7	474.7	474.7	473.4	473.9	473.4	473.4
42.5°	457.3	456.6	455.8	455.8	455.8	456.6	457.3	454.1	455.7	454.1	453.3
45°	427.4	428.8	429.3	427.0	429.3	428.8	427.4	426.5	425.2	424.7	424.3
47.5°	400.4	400.6	400.4	402.4	400.4	400.6	400.4	399.2	397.1	396.3	394.1
50°	381.5	380.6	381.5	380.6	381.5	380.6	381.5	379.2	377.8	375.5	373.7
52.5°	361.4	361.6	361.1	360.9	361.1	361.6	361.4	358.5	357.8	357.0	354.1
55°	330.0	330.9	330.5	330.5	330.5	330.9	330.0	328.2	327.7	325.0	322.3
57.5°	297.6	298.4	299.0	296.9	299.0	298.4	297.6	297.2	296.9	294.1	291.1
60°	274.9	277.2	276.8	275.9	276.8	277.2	274.9	275.4	274.0	272.2	270.4
62.5°	254.2	255.0	254.9	254.8	254.9	255.0	254.2	252.1	251.5	249.6	247.8
65°	222.1	223.0	221.7	223.0	221.7	223.0	222.1	220.8	217.6	216.7	214.8
67.5°	187.6	187.9	189.0	189.6	189.0	187.9	187.6	188.2	186.1	184.3	184.0
70°	166.1	165.7	167.0	168.4	167.0	165.7	166.1	165.2	163.9	162.5	160.7
72.5°	143.6	144.5	144.1	145.1	144.1	144.5	143.6	143.7	142.4	140.6	138.8
75°	110.6	112.0	111.6	112.9	111.6	112.0	110.6	111.6	110.6	108.8	107.0
77.5°	79.9	80.1	79.9	80.7	79.9	80.1	79.9	80.7	79.6	80.3	78.2
80°	61.0	60.1	59.2	61.0	59.2	60.1	61.0	61.0	59.7	61.0	59.7
82.5°	42.4	43.0	42.1	42.1	42.1	43.0	42.4	43.5	42.9	43.5	42.2
85°	19.6	19.1	18.2	18.2	18.2	19.1	19.6	19.6	21.0	20.1	20.1
87.5°	8.0	7.8	7.8	7.5	7.8	7.8	8.0	7.9	7.8	8.4	8.1
90°	21.8	22.2	22.6	23.0	22.6	22.2	21.8	21.5	20.9	19.9	18.9
92.5°	22.3	22.6	22.7	23.0	22.7	22.6	22.3	22.1	21.8	21.2	20.8
95°	37.2	37.0	36.8	36.6	36.8	37.0	37.2	37.4	37.0	36.1	35.1
97.5°	48.2	48.4	48.7	48.9	48.7	48.4	48.2	48.0	47.5	46.7	46.0
100°	55.9	56.4	56.7	57.1	56.7	56.4	55.9	55.6	54.7	53.1	51.6
102.5°	59.6	60.1	60.6	61.2	60.6	60.1	59.6	59.0	57.8	55.8	53.9
105°	62.5	63.2	64.0	64.7	64.0	63.2	62.5	61.7	60.3	58.2	56.2
107.5°	64.4	65.1	65.9	66.6	65.9	65.1	64.4	63.6	64.3	66.4	68.5
110°	65.0	65.8	66.5	67.3	66.5	65.8	65.0	64.3	73.4	92.3	111.2



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	66.2	66.8	67.4	68.0	67.4	66.8	66.2	65.5	99.8	168.9	237.9
115°	110.8	97.1	83.5	69.9	83.5	97.1	110.8	124.4	175.0	262.7	350.4
117.5°	419.6	374.9	330.1	285.3	330.1	374.9	419.6	464.5	497.5	518.7	539.8
120°	596.5	570.9	545.3	519.8	545.3	570.9	596.5	622.0	633.6	631.3	629.1
122.5°	663.4	658.5	653.5	648.6	653.5	658.5	663.4	668.4	670.2	668.9	667.5
125°	726.8	727.4	727.9	728.5	727.9	727.4	726.8	726.2	725.3	724.0	722.6
127.5°	778.6	778.7	778.8	778.9	778.8	778.7	778.6	778.5	777.5	775.5	773.6
130°	810.8	810.7	810.5	810.3	810.5	810.7	810.8	811.1	810.1	808.1	805.9
132.5°	841.5	841.3	841.2	841.0	841.2	841.3	841.5	841.8	841.0	839.2	837.4
135°	886.4	886.0	885.6	885.3	885.6	886.0	886.4	886.8	886.0	884.1	882.3
137.5°	927.6	926.9	926.3	925.7	926.3	926.9	927.6	928.3	927.6	925.8	923.9
140°	953.8	952.8	951.8	950.9	951.8	952.8	953.8	954.7	954.3	952.6	950.9
142.5°	978.3	977.3	976.4	975.4	976.4	977.3	978.3	979.2	978.9	977.4	975.8
145°	1012.5	1011.6	1010.7	1009.7	1010.7	1011.6	1012.5	1013.5	1013.3	1012.0	1010.7
147.5°	1042.2	1041.4	1040.6	1039.8	1040.6	1041.4	1042.2	1043.0	1042.9	1042.0	1041.0
150°	1061.1	1060.2	1059.2	1058.3	1059.2	1060.2	1061.1	1062.0	1061.9	1060.8	1059.7
152.5°	1077.7	1076.5	1075.2	1074.0	1075.2	1076.5	1077.7	1079.0	1079.0	1077.8	1076.7
155°	1100.3	1098.8	1097.3	1095.7	1097.3	1098.8	1100.3	1101.8	1102.0	1100.8	1099.7
157.5°	1120.1	1118.7	1117.1	1115.7	1117.1	1118.7	1120.1	1121.6	1121.7	1120.4	1119.1
160°	1131.2	1129.9	1128.6	1127.3	1128.6	1129.9	1131.2	1132.6	1132.7	1131.5	1130.4
162.5°	1141.7	1140.1	1138.4	1136.8	1138.4	1140.1	1141.7	1143.4	1143.5	1142.2	1140.9
165°	1155.1	1153.8	1152.4	1151.1	1152.4	1153.8	1155.1	1156.5	1156.5	1155.1	1153.8
167.5°	1165.3	1163.6	1161.9	1160.2	1161.9	1163.6	1165.3	1167.0	1167.2	1165.8	1164.5
170°	1170.7	1169.0	1167.3	1165.6	1167.3	1169.0	1170.7	1172.4	1172.6	1171.3	1170.0
172.5°	1174.8	1173.1	1171.4	1169.7	1171.4	1173.1	1174.8	1176.5	1176.7	1175.4	1174.0
175°	1178.9	1177.1	1175.2	1173.3	1175.2	1177.1	1178.9	1180.9	1181.2	1179.8	1178.5
177.5°	1179.6	1178.2	1176.9	1175.5	1176.9	1178.2	1179.6	1181.0	1181.1	1180.0	1179.0
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1138.2	1142.2	1148.3	1154.9	1159.0	1166.6	1168.8	1172.4	1175.7	1183.4	1191.3
5°	1072.5	1078.8	1093.9	1102.1	1113.4	1126.6	1135.2	1144.4	1154.4	1171.7	1187.6
7.5°	1002.0	1012.6	1031.3	1046.6	1062.8	1081.7	1095.4	1113.4	1128.4	1152.7	1176.1
10°	955.0	970.0	986.9	1005.0	1027.9	1047.8	1067.0	1089.8	1108.0	1137.1	1164.4
12.5°	912.8	915.1	939.1	959.2	990.3	1015.1	1037.1	1066.5	1084.3	1118.9	1147.6
15°	838.9	852.6	874.4	890.4	927.3	958.7	989.6	1020.1	1040.6	1083.3	1121.1
17.5°	776.8	789.3	811.7	837.9	864.3	895.5	935.6	967.8	995.6	1044.6	1089.2
20°	737.4	752.9	775.7	802.5	825.7	859.9	894.5	931.3	961.4	1016.5	1068.8
22.5°	703.9	716.1	734.5	761.0	786.4	817.6	855.5	895.6	927.2	986.6	1039.6
25°	656.8	666.9	678.7	700.5	729.2	763.4	793.0	837.1	883.1	938.6	1002.8
27.5°	614.4	621.5	632.0	651.2	673.4	705.3	738.2	780.2	826.3	886.6	954.4
30°	588.6	593.2	603.6	619.6	641.4	666.4	699.6	739.7	787.0	848.0	915.4
32.5°	566.0	570.2	577.0	592.2	611.2	632.6	662.5	702.6	747.7	807.6	882.3
35°	532.2	535.3	541.3	553.5	564.0	585.0	609.9	646.4	688.8	746.1	823.5
37.5°	498.4	502.7	506.4	511.6	525.0	538.8	560.5	591.3	632.8	690.7	764.5
40°	476.2	479.7	485.3	487.5	498.5	510.8	528.5	556.7	598.6	651.4	723.4
42.5°	453.5	457.2	460.5	463.2	472.6	483.4	499.4	523.6	560.7	612.1	683.2
45°	422.8	423.3	426.5	431.5	436.0	443.8	455.2	476.2	504.8	553.0	617.7
47.5°	391.7	392.3	392.8	395.0	400.0	407.1	414.6	431.6	457.3	495.8	558.7
50°	371.0	370.1	371.0	372.8	376.0	381.9	390.6	402.9	423.8	459.8	517.5
52.5°	351.0	350.8	350.3	351.0	353.4	357.5	363.6	374.1	392.8	425.9	476.8
55°	320.5	318.2	318.6	316.8	320.9	321.8	326.4	335.0	351.4	374.2	422.0
57.5°	287.9	286.1	284.0	283.5	283.1	285.6	289.3	296.0	308.6	328.6	367.4
60°	267.2	264.9	262.2	261.3	261.3	262.6	264.5	269.5	281.3	299.1	330.9
62.5°	246.1	243.4	241.8	239.4	238.7	240.0	241.9	245.5	254.0	270.6	298.2
65°	213.5	210.3	208.0	207.6	206.7	205.3	206.2	209.8	216.7	229.9	251.7
67.5°	180.8	177.8	177.3	174.6	173.3	173.5	173.3	176.5	180.6	191.9	208.2
70°	159.3	157.0	156.1	153.8	152.9	152.0	151.1	153.8	157.9	167.6	181.6
72.5°	137.5	135.5	133.6	131.6	131.8	130.9	130.7	132.3	135.7	144.5	155.4
75°	106.0	106.6	104.2	101.9	101.5	100.6	100.6	101.9	103.3	110.1	118.8
77.5°	77.0	76.6	74.6	73.9	73.5	72.5	73.5	74.4	75.1	79.6	86.1
80°	58.8	58.8	56.4	56.4	56.0	54.7	56.0	55.1	56.9	61.4	66.0
82.5°	42.0	41.2	41.1	40.4	40.3	39.3	39.9	40.8	41.6	44.7	47.4
85°	20.5	20.5	20.1	19.6	20.1	19.6	20.1	20.5	21.0	22.3	24.6
87.5°	7.9	8.1	8.2	8.3	7.9	8.0	8.0	7.9	8.3	8.2	8.2
90°	18.0	17.0	15.5	14.0	12.5	11.0	9.2	7.1	5.0	2.9	0.9
92.5°	20.2	19.8	19.0	18.3	17.5	16.8	16.5	16.7	16.9	17.0	17.2
95°	34.2	33.3	31.9	30.6	29.2	27.9	30.4	36.6	42.9	49.1	55.4
97.5°	45.2	44.5	41.4	38.3	35.3	32.2	39.5	57.1	74.7	92.3	109.9
100°	50.1	48.6	45.4	42.1	38.9	35.7	47.1	73.0	98.9	124.8	150.8
102.5°	51.9	49.9	76.9	103.8	130.7	157.7	173.8	179.3	184.9	190.3	195.8
105°	54.0	52.0	103.7	155.3	207.1	258.8	281.8	276.1	270.4	264.7	259.0
107.5°	70.6	72.8	134.7	196.7	258.8	320.7	349.5	344.8	340.3	335.7	331.1
110°	130.2	149.1	203.8	258.6	313.3	368.0	393.3	389.4	385.4	381.5	377.5



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	307.0	376.1	389.6	403.1	416.7	430.2	435.2	431.7	428.1	424.6	421.1
115°	438.0	525.8	521.0	516.2	511.5	506.8	502.8	499.6	496.4	493.1	489.9
117.5°	561.1	582.3	579.1	575.8	572.6	569.3	565.9	562.2	558.7	555.1	551.4
120°	626.9	624.6	621.2	617.8	614.3	610.9	607.8	604.9	602.1	599.3	596.5
122.5°	666.1	664.8	661.0	657.4	653.6	650.0	646.6	643.5	640.6	637.6	634.6
125°	721.3	720.0	716.4	712.8	709.2	705.6	702.6	700.1	697.7	695.2	692.7
127.5°	771.7	769.7	767.0	764.4	761.7	759.0	756.3	753.6	750.8	748.1	745.4
130°	803.9	801.8	799.7	797.6	795.5	793.4	790.9	787.8	784.9	781.9	778.8
132.5°	835.6	833.8	831.7	829.6	827.6	825.5	823.1	820.6	818.1	815.5	812.9
135°	880.4	878.5	876.7	875.0	873.3	871.6	869.3	866.3	863.3	860.2	857.2
137.5°	922.1	920.2	918.3	916.3	914.4	912.5	910.4	908.4	906.2	904.1	902.0
140°	949.2	947.5	945.4	943.3	941.2	939.1	937.4	935.9	934.3	932.8	931.3
142.5°	974.3	972.7	970.4	968.0	965.5	963.1	961.3	959.9	958.6	957.2	955.8
145°	1009.3	1008.0	1004.8	1001.6	998.4	995.1	993.6	993.8	994.0	994.2	994.3
147.5°	1040.0	1039.0	1035.8	1032.6	1029.5	1026.3	1025.0	1025.7	1026.4	1027.2	1028.0
150°	1058.5	1057.4	1054.4	1051.3	1048.3	1045.3	1044.5	1045.8	1047.0	1048.4	1049.7
152.5°	1075.6	1074.4	1071.6	1068.7	1065.8	1062.9	1062.2	1063.7	1065.1	1066.7	1068.2
155°	1098.6	1097.4	1095.2	1092.9	1090.7	1088.3	1088.1	1089.8	1091.5	1093.1	1094.9
157.5°	1117.8	1116.5	1114.9	1113.4	1111.8	1110.2	1110.1	1111.5	1112.9	1114.5	1115.9
160°	1129.3	1128.1	1127.0	1125.9	1124.7	1123.6	1123.6	1124.7	1125.9	1127.0	1128.1
162.5°	1139.6	1138.4	1137.4	1136.4	1135.4	1134.4	1134.5	1135.6	1136.8	1137.9	1139.1
165°	1152.4	1151.1	1150.6	1150.0	1149.4	1148.9	1149.1	1150.3	1151.4	1152.5	1153.7
167.5°	1163.1	1161.9	1161.4	1160.8	1160.3	1159.8	1160.0	1161.2	1162.3	1163.4	1164.6
170°	1168.7	1167.3	1167.0	1166.5	1166.2	1165.8	1166.2	1167.3	1168.5	1169.6	1170.7
172.5°	1172.8	1171.4	1171.0	1170.6	1170.3	1169.9	1170.3	1171.4	1172.5	1173.7	1174.8
175°	1177.1	1175.8	1175.5	1175.1	1174.7	1174.3	1174.8	1176.2	1177.4	1178.8	1180.1
177.5°	1177.9	1176.9	1176.7	1176.5	1176.4	1176.3	1176.7	1177.8	1178.8	1179.9	1181.0
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5



TEST NUMBER: P331537-940

CATALOG NUMBER: S122DIW-S675D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1190.6	1192.5	1198.3	1204.1	1210.7	1212.5	1215.4	1212.8	1212.1	1219.1	1224.1
5°	1194.0	1202.2	1218.2	1232.7	1245.0	1253.7	1262.8	1266.4	1273.2	1282.7	1294.6
7.5°	1190.2	1206.1	1231.2	1252.3	1275.5	1292.2	1305.2	1316.3	1329.7	1347.8	1367.6
10°	1185.8	1207.2	1237.7	1263.6	1291.8	1313.2	1331.1	1348.3	1368.3	1393.4	1419.3
12.5°	1177.8	1203.2	1241.4	1272.0	1308.2	1329.3	1353.3	1390.5	1412.0	1446.9	1483.5
15°	1161.7	1189.9	1243.1	1280.9	1321.9	1362.0	1406.1	1441.6	1477.1	1497.6	1549.1
17.5°	1137.7	1179.2	1238.1	1282.2	1334.3	1397.4	1447.0	1487.2	1528.2	1561.5	1587.2
20°	1118.5	1163.5	1230.8	1283.7	1345.6	1413.4	1470.3	1511.3	1546.8	1574.6	1590.5
22.5°	1094.0	1150.8	1216.3	1278.2	1357.3	1424.3	1484.2	1516.4	1546.0	1559.6	1565.8
25°	1055.6	1123.9	1198.1	1273.6	1362.9	1433.9	1488.5	1508.1	1516.7	1503.5	1481.7
27.5°	1014.2	1090.3	1177.1	1265.1	1359.4	1427.7	1466.9	1463.7	1449.1	1406.4	1372.3
30°	983.2	1067.0	1160.3	1256.3	1351.0	1417.5	1440.3	1417.5	1384.3	1336.5	1287.8
32.5°	950.8	1037.5	1142.5	1243.9	1335.8	1394.2	1399.1	1359.9	1308.5	1254.2	1193.5
35°	901.8	995.5	1108.8	1216.3	1303.2	1340.2	1318.3	1249.1	1188.1	1113.9	1031.0
37.5°	846.3	949.9	1063.5	1175.8	1254.5	1264.2	1210.0	1137.1	1051.1	963.9	866.4
40°	804.8	914.5	1031.5	1144.9	1214.5	1204.4	1135.2	1055.2	952.7	846.2	755.6
42.5°	767.7	877.4	996.5	1107.7	1163.5	1136.0	1055.2	956.8	846.8	746.5	663.5
45°	703.3	816.2	938.2	1045.6	1077.5	1027.9	920.9	811.6	703.3	619.6	554.0
47.5°	640.9	752.4	873.3	967.7	978.9	912.2	795.3	682.9	589.8	521.6	475.3
50°	594.9	706.9	826.6	910.9	907.2	826.6	706.5	599.5	521.7	466.5	435.6
52.5°	553.8	659.6	774.5	851.1	831.9	744.0	629.3	534.3	470.3	427.2	399.2
55°	489.8	587.6	696.9	758.4	722.8	625.4	528.5	452.0	404.7	372.4	350.5
57.5°	426.2	518.0	611.5	649.4	610.2	520.2	439.3	383.9	348.3	324.4	310.1
60°	386.9	467.1	550.4	583.1	536.2	456.1	392.4	342.8	314.1	294.5	281.8
62.5°	347.6	419.4	497.9	515.8	472.9	405.1	348.7	307.5	283.8	266.4	254.5
65°	294.1	352.8	412.4	424.3	384.7	332.3	287.7	260.8	239.9	227.1	217.6
67.5°	241.2	288.3	330.6	340.1	305.4	269.1	236.9	213.5	199.3	188.7	180.7
70°	209.8	247.2	281.8	289.5	261.7	229.4	204.8	186.2	173.4	164.3	156.6
72.5°	176.7	207.9	236.6	241.8	219.1	194.5	174.2	159.6	148.3	142.5	135.1
75°	135.2	153.4	175.7	177.1	162.0	147.0	131.5	122.0	116.1	108.8	105.1
77.5°	95.4	109.7	122.4	124.9	116.0	105.8	97.1	89.6	84.5	81.2	77.8
80°	72.9	84.2	89.7	92.8	86.5	79.2	74.2	69.2	66.0	63.8	61.4
82.5°	52.1	59.1	64.2	66.6	63.2	58.9	53.8	51.0	48.5	46.6	45.8
85°	26.4	29.6	32.8	33.7	32.8	30.9	28.2	28.2	26.8	26.4	26.4
87.5°	9.7	11.6	11.9	13.5	13.1	13.5	13.7	13.6	13.6	13.5	13.3
90°	2.9	5.0	7.1	9.2	11.0	12.5	14.0	15.5	17.0	18.0	18.9
92.5°	17.0	16.9	16.7	16.5	16.8	17.5	18.3	19.0	19.8	20.2	20.8
95°	49.1	42.9	36.6	30.4	27.9	29.2	30.6	31.9	33.3	34.2	35.1
97.5°	92.3	74.7	57.1	39.5	32.2	35.3	38.3	41.4	44.5	45.2	46.0
100°	124.8	98.9	73.0	47.1	35.7	38.9	42.1	45.4	48.6	50.1	51.6
102.5°	190.3	184.9	179.3	173.8	157.7	130.7	103.8	76.9	49.9	51.9	53.9
105°	264.7	270.4	276.1	281.8	258.8	207.1	155.3	103.7	52.0	54.0	56.2
107.5°	335.7	340.3	344.8	349.5	320.7	258.8	196.7	134.7	72.8	70.6	68.5
110°	381.5	385.4	389.4	393.3	368.0	313.3	258.6	203.8	149.1	130.2	111.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	424.6	428.1	431.7	435.2	430.2	416.7	403.1	389.6	376.1	307.0	237.9
115°	493.1	496.4	499.6	502.8	506.8	511.5	516.2	521.0	525.8	438.0	350.4
117.5°	555.1	558.7	562.2	565.9	569.3	572.6	575.8	579.1	582.3	561.1	539.8
120°	599.3	602.1	604.9	607.8	610.9	614.3	617.8	621.2	624.6	626.9	629.1
122.5°	637.6	640.6	643.5	646.6	650.0	653.6	657.4	661.0	664.8	666.1	667.5
125°	695.2	697.7	700.1	702.6	705.6	709.2	712.8	716.4	720.0	721.3	722.6
127.5°	748.1	750.8	753.6	756.3	759.0	761.7	764.4	767.0	769.7	771.7	773.6
130°	781.9	784.9	787.8	790.9	793.4	795.5	797.6	799.7	801.8	803.9	805.9
132.5°	815.5	818.1	820.6	823.1	825.5	827.6	829.6	831.7	833.8	835.6	837.4
135°	860.2	863.3	866.3	869.3	871.6	873.3	875.0	876.7	878.5	880.4	882.3
137.5°	904.1	906.2	908.4	910.4	912.5	914.4	916.3	918.3	920.2	922.1	923.9
140°	932.8	934.3	935.9	937.4	939.1	941.2	943.3	945.4	947.5	949.2	950.9
142.5°	957.2	958.6	959.9	961.3	963.1	965.5	968.0	970.4	972.7	974.3	975.8
145°	994.2	994.0	993.8	993.6	995.1	998.4	1001.6	1004.8	1008.0	1009.3	1010.7
147.5°	1027.2	1026.4	1025.7	1025.0	1026.3	1029.5	1032.6	1035.8	1039.0	1040.0	1041.0
150°	1048.4	1047.0	1045.8	1044.5	1045.3	1048.3	1051.3	1054.4	1057.4	1058.5	1059.7
152.5°	1066.7	1065.1	1063.7	1062.2	1062.9	1065.8	1068.7	1071.6	1074.4	1075.6	1076.7
155°	1093.1	1091.5	1089.8	1088.1	1088.3	1090.7	1092.9	1095.2	1097.4	1098.6	1099.7
157.5°	1114.5	1112.9	1111.5	1110.1	1110.2	1111.8	1113.4	1114.9	1116.5	1117.8	1119.1
160°	1127.0	1125.9	1124.7	1123.6	1123.6	1124.7	1125.9	1127.0	1128.1	1129.3	1130.4
162.5°	1137.9	1136.8	1135.6	1134.5	1134.4	1135.4	1136.4	1137.4	1138.4	1139.6	1140.9
165°	1152.5	1151.4	1150.3	1149.1	1148.9	1149.4	1150.0	1150.6	1151.1	1152.4	1153.8
167.5°	1163.4	1162.3	1161.2	1160.0	1159.8	1160.3	1160.8	1161.4	1161.9	1163.1	1164.5
170°	1169.6	1168.5	1167.3	1166.2	1165.8	1166.2	1166.5	1167.0	1167.3	1168.7	1170.0
172.5°	1173.7	1172.5	1171.4	1170.3	1169.9	1170.3	1170.6	1171.0	1171.4	1172.8	1174.0
175°	1178.8	1177.4	1176.2	1174.8	1174.3	1174.7	1175.1	1175.5	1175.8	1177.1	1178.5
177.5°	1179.9	1178.8	1177.8	1176.7	1176.3	1176.4	1176.5	1176.7	1176.9	1177.9	1179.0
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1228.5	1233.6	1233.6	1234.3	1240.2	1239.4	1239.0
5°	1307.3	1315.1	1316.0	1324.2	1329.6	1327.8	1322.9
7.5°	1381.7	1396.2	1407.0	1413.1	1420.3	1424.8	1422.8
10°	1440.7	1461.7	1474.4	1483.1	1493.5	1501.3	1498.5
12.5°	1494.2	1519.2	1536.7	1551.5	1552.9	1562.8	1556.0
15°	1577.7	1604.1	1606.9	1617.8	1626.5	1625.5	1625.9
17.5°	1605.3	1613.8	1615.5	1615.8	1615.9	1612.7	1605.8
20°	1595.4	1592.3	1584.6	1578.7	1568.2	1566.8	1557.7
22.5°	1548.9	1538.7	1519.4	1506.5	1490.2	1485.9	1483.5
25°	1457.1	1434.8	1403.8	1374.2	1366.1	1350.1	1354.7
27.5°	1331.2	1296.5	1262.9	1238.9	1217.1	1193.3	1200.1
30°	1242.7	1203.5	1156.2	1119.8	1096.6	1073.8	1069.7
32.5°	1137.1	1079.8	1026.9	994.9	959.3	944.9	929.2
35°	955.0	899.0	846.7	801.6	775.7	755.6	737.4
37.5°	791.2	726.7	684.6	648.0	629.3	617.8	620.7
40°	689.6	633.2	602.3	574.4	557.1	548.9	550.8
42.5°	607.3	565.1	539.6	520.6	508.4	503.8	502.7
45°	513.9	490.3	469.3	458.4	452.5	447.5	444.3
47.5°	450.2	430.9	419.1	412.6	407.4	402.3	402.3
50°	412.0	399.2	391.0	384.1	380.1	376.5	379.6
52.5°	382.8	371.1	363.0	356.9	355.3	352.0	352.0
55°	339.6	330.5	324.6	319.1	316.4	314.5	312.3
57.5°	300.2	291.6	286.1	282.7	277.5	275.6	274.9
60°	272.2	265.4	259.9	255.4	253.1	249.4	249.4
62.5°	246.4	239.5	234.4	231.0	227.2	225.8	226.1
65°	208.9	203.5	198.5	194.8	193.9	191.2	192.1
67.5°	174.5	170.9	165.6	163.6	161.8	160.4	159.3
70°	151.6	147.9	145.2	142.5	141.1	141.1	141.1
72.5°	132.2	127.9	126.3	122.8	123.6	122.2	120.7
75°	102.5	99.7	98.4	96.9	94.7	94.7	94.7
77.5°	75.3	74.5	72.9	71.4	70.9	70.4	70.6
80°	58.2	57.8	56.9	56.9	56.0	55.6	54.7
82.5°	44.8	43.6	43.1	42.7	42.5	42.4	42.3
85°	25.5	24.6	24.6	25.1	24.2	24.2	24.6
87.5°	13.8	14.0	13.7	13.8	14.3	14.0	14.1
90°	19.9	20.9	21.5	21.8	22.2	22.6	23.0
92.5°	21.2	21.8	22.1	22.3	22.6	22.7	23.0
95°	36.1	37.0	37.4	37.2	37.0	36.8	36.6
97.5°	46.7	47.5	48.0	48.2	48.4	48.7	48.9
100°	53.1	54.7	55.6	55.9	56.4	56.7	57.1
102.5°	55.8	57.8	59.0	59.6	60.1	60.6	61.2
105°	58.2	60.3	61.7	62.5	63.2	64.0	64.7
107.5°	66.4	64.3	63.6	64.4	65.1	65.9	66.6
110°	92.3	73.4	64.3	65.0	65.8	66.5	67.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	168.9	99.8	65.5	66.2	66.8	67.4	68.0
115°	262.7	175.0	124.4	110.8	97.1	83.5	69.9
117.5°	518.7	497.5	464.5	419.6	374.9	330.1	285.3
120°	631.3	633.6	622.0	596.5	570.9	545.3	519.8
122.5°	668.9	670.2	668.4	663.4	658.5	653.5	648.6
125°	724.0	725.3	726.2	726.8	727.4	727.9	728.5
127.5°	775.5	777.5	778.5	778.6	778.7	778.8	778.9
130°	808.1	810.1	811.1	810.8	810.7	810.5	810.3
132.5°	839.2	841.0	841.8	841.5	841.3	841.2	841.0
135°	884.1	886.0	886.8	886.4	886.0	885.6	885.3
137.5°	925.8	927.6	928.3	927.6	926.9	926.3	925.7
140°	952.6	954.3	954.7	953.8	952.8	951.8	950.9
142.5°	977.4	978.9	979.2	978.3	977.3	976.4	975.4
145°	1012.0	1013.3	1013.5	1012.5	1011.6	1010.7	1009.7
147.5°	1042.0	1042.9	1043.0	1042.2	1041.4	1040.6	1039.8
150°	1060.8	1061.9	1062.0	1061.1	1060.2	1059.2	1058.3
152.5°	1077.8	1079.0	1079.0	1077.7	1076.5	1075.2	1074.0
155°	1100.8	1102.0	1101.8	1100.3	1098.8	1097.3	1095.7
157.5°	1120.4	1121.7	1121.6	1120.1	1118.7	1117.1	1115.7
160°	1131.5	1132.7	1132.6	1131.2	1129.9	1128.6	1127.3
162.5°	1142.2	1143.5	1143.4	1141.7	1140.1	1138.4	1136.8
165°	1155.1	1156.5	1156.5	1155.1	1153.8	1152.4	1151.1
167.5°	1165.8	1167.2	1167.0	1165.3	1163.6	1161.9	1160.2
170°	1171.3	1172.6	1172.4	1170.7	1169.0	1167.3	1165.6
172.5°	1175.4	1176.7	1176.5	1174.8	1173.1	1171.4	1169.7
175°	1179.8	1181.2	1180.9	1178.9	1177.1	1175.2	1173.3
177.5°	1180.0	1181.1	1181.0	1179.6	1178.2	1176.9	1175.5
180°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5

(END OF REPORT)