

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: P332324-930

Luminaire Tested: **S123RDIP-S775D1195U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332324-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D1195U930-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1195 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6374.3 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

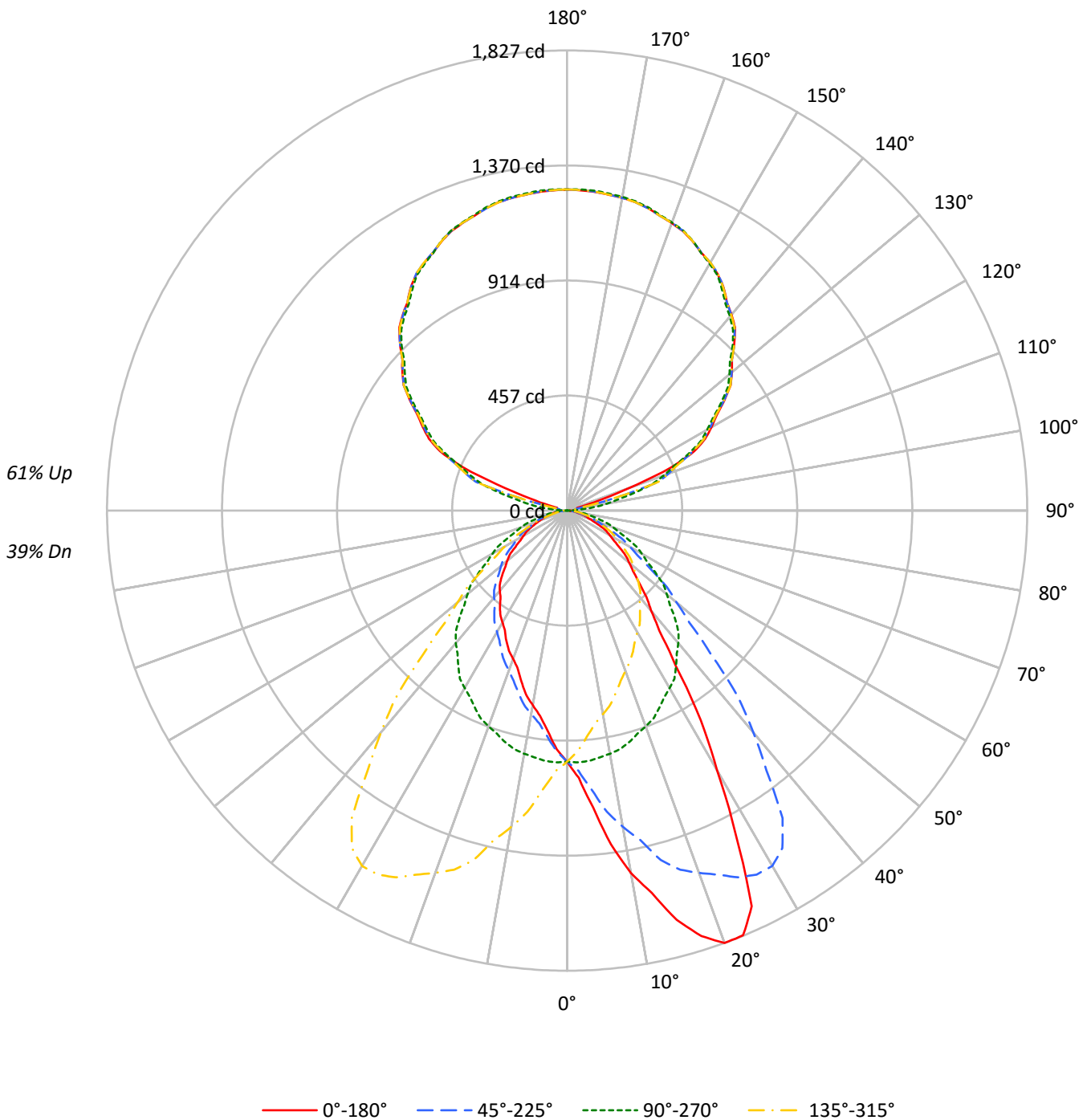
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	84	80	78	68	66	64	54	53	52	41	40	40	34
2	88	81	75	70	79	74	69	64	60	57	54	48	46	44	37	35	34	29
3	80	71	64	59	73	65	59	54	54	49	46	43	40	38	33	31	30	25
4	73	63	56	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	68	56	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	22	20	17
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18	15
8	53	42	34	29	49	38	32	27	32	27	24	26	23	20	21	18	16	14
9	50	38	31	26	45	35	29	24	30	25	21	24	21	18	19	17	15	13
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10733	10733	10733	10733
5°	12794	10778	9492	10778
10°	15974	10717	8576	10717
15°	18750	10608	7819	10608
20°	20927	10443	7178	10443
25°	20593	10271	6783	10271
30°	14802	10112	6377	10112
35°	9883	9905	6114	9905
40°	7281	9656	5841	9656
45°	6107	9220	5574	9220
50°	5390	8649	5203	8649
55°	4725	7994	4693	7994
60°	4209	7369	4299	7369
65°	3696	6696	4001	6696
70°	2902	6099	3654	6099
75°	2558	5327	3335	5327
80°	2225	4525	3279	4525
85°	1791	3631	3483	3631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.5
10°-20°	306.3	4.8
20°-30°	481.3	7.6
30°-40°	502.1	7.9
40°-50°	429.7	6.7
50°-60°	327.5	5.1
60°-70°	209.9	3.3
70°-80°	101.0	1.6
80°-90°	30.3	0.5
90°-100°	46.4	0.7
100°-110°	220.9	3.5
110°-120°	530.6	8.3
120°-130°	675.7	10.6
130°-140°	722.0	11.3
140°-150°	675.1	10.6
150°-160°	544.6	8.5
160°-170°	351.5	5.5
170°-180°	121.1	1.9
0°-30°	885.7	13.9
0°-40°	1387.8	21.8
0°-60°	2145.0	33.7
0°-90°	2486.2	39.0
90°-120°	797.9	12.5
90°-150°	2870.8	45.0
90°-180°	3888.0	61.0
0°-180°	6374.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1184	998	878	998	1184	122
15°	1683	952	702	952	1683	477
25°	1734	865	571	865	1734	745
35°	752	754	465	754	752	493
45°	401	606	366	606	401	315
55°	252	426	250	426	252	228
65°	145	263	157	263	145	143
75°	62	128	80	128	62	66
85°	14	29	28	29	14	17
90°	28	1	28	1	28	13
95°	36	58	36	58	36	30
105°	42	282	42	282	42	95
115°	557	530	557	530	557	515
125°	762	746	762	746	762	680
135°	939	929	939	929	939	724
145°	1083	1072	1083	1072	1083	676
155°	1179	1181	1179	1181	1179	544
165°	1243	1246	1243	1246	1243	351
175°	1270	1275	1270	1275	1270	121
180°	1275	1275	1275	1275	1275	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1062.0	1063.4	1058.9	1058.3	1053.1	1051.7	1051.7	1044.6	1040.2	1034.4	1030.9
5°	1184.1	1190.9	1187.5	1179.8	1167.0	1164.0	1155.9	1143.1	1128.6	1110.7	1102.1
7.5°	1336.5	1345.9	1342.3	1330.4	1317.0	1306.2	1283.3	1262.0	1232.2	1206.1	1183.7
10°	1461.5	1451.7	1444.1	1432.5	1420.2	1400.0	1376.1	1343.3	1305.3	1275.5	1242.1
12.5°	1555.1	1553.5	1543.8	1531.9	1514.4	1495.3	1466.0	1426.0	1381.8	1338.6	1300.6
15°	1682.6	1685.2	1678.8	1666.4	1641.7	1607.9	1563.6	1546.9	1483.8	1436.8	1389.8
17.5°	1770.9	1770.4	1769.5	1752.4	1727.1	1703.2	1662.0	1618.2	1561.0	1494.9	1431.6
20°	1826.9	1822.7	1823.5	1804.3	1785.5	1757.8	1717.7	1654.1	1607.1	1530.7	1465.3
22.5°	1825.5	1824.7	1828.0	1821.4	1807.7	1786.5	1754.9	1701.2	1641.3	1564.2	1490.6
25°	1733.9	1730.5	1750.5	1756.1	1777.8	1781.7	1772.3	1742.9	1686.0	1606.6	1515.7
27.5°	1451.2	1449.3	1486.5	1533.1	1592.1	1638.1	1682.5	1703.9	1686.0	1629.2	1538.1
30°	1190.9	1231.0	1249.9	1317.3	1392.4	1482.1	1560.6	1635.2	1653.6	1628.9	1554.1
32.5°	988.8	1023.8	1039.4	1097.3	1167.3	1272.4	1390.2	1495.9	1570.7	1589.6	1544.6
35°	752.1	752.5	788.4	814.0	878.9	986.8	1101.3	1243.0	1383.8	1490.5	1501.6
37.5°	600.1	602.3	623.9	649.5	698.1	755.3	856.0	973.8	1136.5	1300.3	1396.4
40°	518.2	522.0	538.3	563.5	598.4	641.6	720.1	831.1	966.8	1149.1	1298.0
42.5°	465.6	471.8	480.2	499.6	521.3	561.7	625.2	710.9	834.3	1006.7	1178.5
45°	401.2	404.6	411.1	420.0	439.7	467.8	510.5	568.1	670.6	809.3	981.3
47.5°	353.9	352.1	358.9	366.2	379.2	398.4	427.1	474.1	547.1	658.4	804.4
50°	321.9	321.4	326.1	331.7	344.1	358.2	381.6	417.0	475.1	567.3	700.9
52.5°	291.8	293.4	296.8	303.7	312.6	324.0	345.0	370.6	420.4	500.0	611.4
55°	251.8	253.2	257.8	261.6	268.1	279.6	292.9	314.1	348.3	403.8	495.5
57.5°	218.0	217.4	221.9	222.9	230.2	239.5	249.8	266.4	291.1	332.3	394.1
60°	195.5	194.2	198.0	201.1	204.9	212.5	221.1	237.3	257.0	287.2	340.2
62.5°	175.0	174.4	177.2	180.2	183.4	190.4	197.5	210.0	225.5	251.1	293.1
65°	145.1	146.4	147.7	149.0	150.7	154.9	161.8	170.3	181.0	198.9	229.2
67.5°	114.1	115.4	115.8	118.4	122.1	124.7	128.9	136.5	143.9	159.1	176.3
70°	92.2	91.8	92.2	93.5	98.2	102.9	108.4	114.0	118.6	129.3	143.8
72.5°	79.2	78.4	79.6	79.8	82.1	83.4	86.9	92.1	98.2	105.4	115.9
75°	61.5	61.5	61.5	61.5	63.2	64.0	65.3	66.6	68.7	72.2	79.8
77.5°	45.4	45.5	46.1	46.6	46.9	47.4	48.2	49.4	50.2	52.0	55.4
80°	35.9	36.3	35.9	36.3	36.3	37.1	37.6	38.8	39.3	41.4	42.7
82.5°	27.0	26.7	27.0	27.4	27.4	28.3	28.4	29.3	29.4	30.5	31.8
85°	14.5	13.7	14.5	14.1	14.9	14.1	14.5	15.3	15.3	15.8	17.5
87.5°	9.1	9.7	9.0	9.2	9.1	9.3	9.1	9.0	9.5	9.0	8.8
90°	28.5	28.0	27.6	27.1	26.7	26.1	25.3	24.4	23.6	22.7	20.0
92.5°	31.5	31.2	31.0	30.7	30.4	29.7	28.3	26.9	25.6	24.2	22.2
95°	36.0	36.0	36.0	36.0	36.0	35.2	33.8	32.3	30.8	29.4	27.1
97.5°	39.1	38.8	38.6	38.4	38.2	37.3	35.5	33.8	32.2	30.5	45.7
100°	39.8	39.5	39.4	39.1	39.0	38.0	36.3	34.7	32.9	31.2	64.1
102.5°	40.5	40.2	39.8	39.4	39.1	41.4	46.6	51.9	57.1	62.3	98.2
105°	41.7	41.3	40.8	40.4	40.0	58.4	95.6	132.9	170.2	207.4	226.4
107.5°	130.9	159.0	187.0	215.2	243.2	270.9	298.2	325.5	352.9	380.3	377.2
110°	260.5	290.6	320.7	350.8	380.9	399.4	406.3	413.3	420.3	427.2	424.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	446.9	453.2	459.6	465.9	472.3	475.5	475.3	475.2	475.1	474.9	472.6
115°	556.9	556.1	555.3	554.4	553.6	552.1	550.0	547.9	545.8	543.7	541.8
117.5°	618.7	618.6	618.4	618.2	618.1	617.1	615.5	613.8	612.0	610.4	609.4
120°	661.1	661.1	661.1	661.1	661.1	660.3	658.6	657.0	655.3	653.5	653.0
122.5°	702.9	702.7	702.5	702.3	702.1	701.5	700.3	699.1	698.0	696.8	695.9
125°	761.6	761.2	760.8	760.3	759.9	759.5	759.0	758.6	758.2	757.7	756.9
127.5°	818.0	818.5	818.9	819.3	819.7	819.5	818.9	818.2	817.6	816.8	815.9
130°	854.4	854.8	855.2	855.7	856.1	855.9	855.0	854.2	853.4	852.5	851.7
132.5°	887.7	888.4	888.9	889.5	890.1	890.0	889.2	888.3	887.5	886.6	885.9
135°	938.7	939.3	940.0	940.6	941.3	941.3	940.6	940.0	939.3	938.7	937.8
137.5°	986.6	987.1	987.5	987.9	988.3	988.0	987.0	986.0	985.0	984.0	983.5
140°	1015.5	1015.9	1016.3	1016.7	1017.1	1016.9	1016.0	1015.2	1014.4	1013.5	1012.9
142.5°	1042.0	1042.5	1043.1	1043.7	1044.3	1044.2	1043.6	1042.9	1042.3	1041.5	1041.0
145°	1082.6	1082.6	1082.6	1082.6	1082.6	1082.5	1082.1	1081.7	1081.2	1080.8	1080.4
147.5°	1113.0	1113.9	1114.9	1115.9	1116.9	1117.1	1116.7	1116.3	1115.9	1115.4	1115.0
150°	1135.7	1136.4	1137.0	1137.6	1138.2	1138.3	1137.9	1137.5	1137.1	1136.7	1136.3
152.5°	1153.9	1154.9	1155.8	1156.8	1157.8	1157.9	1157.2	1156.3	1155.6	1154.9	1154.6
155°	1179.3	1180.6	1181.9	1183.1	1184.3	1184.5	1183.4	1182.3	1181.3	1180.2	1180.1
157.5°	1200.7	1202.3	1204.0	1205.7	1207.3	1207.5	1206.2	1204.9	1203.7	1202.4	1202.6
160°	1214.3	1215.8	1217.3	1218.8	1220.3	1220.3	1219.0	1217.8	1216.6	1215.3	1215.5
162.5°	1227.2	1228.5	1229.8	1231.1	1232.4	1232.4	1230.9	1229.6	1228.1	1226.6	1226.9
165°	1242.8	1244.2	1245.7	1247.2	1248.6	1248.5	1246.8	1245.2	1243.5	1241.8	1242.0
167.5°	1253.9	1255.6	1257.3	1259.0	1260.7	1260.7	1259.0	1257.3	1255.6	1253.9	1253.9
170°	1260.8	1262.4	1264.1	1265.8	1267.5	1267.5	1265.8	1264.1	1262.4	1260.8	1260.8
172.5°	1264.5	1266.4	1268.3	1270.1	1271.9	1272.0	1270.3	1268.7	1267.0	1265.3	1265.1
175°	1270.2	1271.9	1273.6	1275.3	1276.9	1277.1	1275.6	1274.1	1272.7	1271.1	1271.0
177.5°	1271.9	1273.6	1275.3	1277.0	1278.6	1278.8	1277.5	1276.1	1274.8	1273.4	1273.3
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1029.6	1028.5	1023.8	1018.3	1011.1	1006.3	1002.6	1000.5	994.4	986.8	981.8
5°	1093.2	1080.4	1066.7	1050.0	1034.7	1018.9	1009.1	997.5	983.5	967.7	956.6
7.5°	1161.3	1136.2	1109.1	1081.2	1053.6	1028.9	1007.1	988.3	965.9	943.2	927.4
10°	1213.6	1176.8	1138.8	1100.0	1064.5	1031.3	1005.7	980.5	953.6	927.6	907.9
12.5°	1261.0	1212.7	1168.9	1121.2	1075.9	1036.1	999.1	969.6	937.2	909.5	887.0
15°	1321.1	1271.6	1218.6	1146.1	1085.9	1035.5	990.8	951.9	912.6	878.5	856.7
17.5°	1377.3	1302.8	1231.7	1171.1	1092.9	1030.0	975.3	928.8	885.7	849.5	822.7
20°	1400.5	1328.4	1251.1	1173.9	1097.0	1026.5	963.0	911.7	866.9	826.0	801.2
22.5°	1414.5	1332.8	1251.4	1168.4	1086.8	1013.6	950.7	894.3	845.8	806.8	776.2
25°	1430.8	1333.5	1243.8	1161.9	1078.6	999.2	924.5	864.8	812.3	770.9	738.4
27.5°	1441.5	1327.1	1221.2	1130.0	1045.6	966.5	898.1	834.8	781.5	737.7	702.9
30°	1443.6	1321.9	1203.7	1105.1	1019.3	946.7	874.2	813.6	757.2	710.7	678.2
32.5°	1446.3	1309.3	1180.1	1075.4	987.6	915.7	849.9	792.1	734.3	688.5	655.4
35°	1435.1	1302.4	1144.4	1024.0	936.0	866.5	807.1	753.8	697.1	652.6	618.9
37.5°	1386.6	1274.6	1107.3	966.1	874.2	809.8	761.4	714.9	662.8	614.9	583.2
40°	1337.7	1247.2	1078.6	931.0	834.9	768.7	725.2	687.2	636.8	592.1	557.9
42.5°	1265.0	1210.1	1051.3	894.1	790.5	726.8	690.1	654.4	610.3	564.8	532.6
45°	1131.6	1138.8	995.4	835.4	729.0	665.0	630.5	605.7	566.5	528.9	496.0
47.5°	964.3	1032.1	929.8	772.7	664.2	604.1	574.0	552.4	525.9	489.0	459.0
50°	855.0	951.9	877.2	730.8	623.6	563.9	534.0	516.5	493.4	464.4	435.8
52.5°	754.2	858.3	813.7	684.0	579.6	525.0	495.8	481.4	463.0	435.7	409.9
55°	615.1	720.6	710.3	613.3	513.5	464.4	442.2	426.0	413.6	393.1	372.7
57.5°	497.6	597.5	602.8	534.8	455.3	406.8	387.7	375.4	367.4	351.9	333.0
60°	423.5	515.2	533.1	481.9	413.6	371.0	352.1	342.3	335.9	323.6	309.1
62.5°	362.0	440.1	460.4	423.5	373.7	333.7	319.0	309.6	305.2	294.5	281.7
65°	277.0	341.9	361.5	341.0	315.0	283.0	271.1	262.9	259.1	253.2	243.7
67.5°	208.3	255.6	277.1	262.7	253.3	233.1	225.4	221.1	217.7	213.6	205.8
70°	167.3	202.4	224.5	220.7	213.0	202.4	196.8	193.8	190.4	186.9	180.1
72.5°	134.5	158.7	179.4	181.4	175.1	172.9	168.1	166.8	164.8	160.7	156.9
75°	89.2	105.8	120.3	125.9	128.5	130.6	128.5	128.1	127.6	124.3	122.1
77.5°	58.5	67.4	76.6	86.0	90.1	92.9	93.7	95.2	94.1	92.3	91.2
80°	44.8	47.0	53.3	61.5	67.8	70.4	72.2	73.0	72.6	72.2	70.4
82.5°	32.5	34.3	37.3	43.0	48.4	52.7	53.7	53.6	54.5	54.7	53.3
85°	17.5	17.9	18.8	19.6	22.6	27.3	28.6	29.4	30.3	30.3	27.7
87.5°	8.9	8.0	8.2	7.7	8.3	8.2	9.9	11.1	11.9	10.9	11.3
90°	17.3	14.5	11.8	9.4	7.3	5.1	3.0	1.0	3.0	5.1	7.3
92.5°	20.1	18.1	16.0	15.2	15.8	16.5	17.0	17.6	17.0	16.5	15.8
95°	24.7	22.4	20.1	23.2	31.9	40.5	49.2	57.8	49.2	40.5	31.9
97.5°	60.8	76.0	91.2	100.6	104.5	108.4	112.3	116.1	112.3	108.4	104.5
100°	96.9	129.8	162.6	176.9	172.7	168.5	164.3	160.0	164.3	168.5	172.7
102.5°	134.0	169.9	205.8	222.3	219.2	216.1	213.1	210.1	213.1	216.1	219.2
105°	245.3	264.2	283.2	291.6	289.2	286.9	284.6	282.3	284.6	286.9	289.2
107.5°	374.2	371.3	368.3	365.8	363.9	362.2	360.3	358.4	360.3	362.2	363.9
110°	422.6	420.3	417.9	416.0	414.3	412.5	410.9	409.2	410.9	412.5	414.3



TEST NUMBER: P332324-930

CATALOG NUMBER: S123RDIP-S775D1195U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	470.3	468.0	465.7	463.7	462.3	460.7	459.2	457.7	459.2	460.7	462.3
115°	539.9	538.0	536.1	534.5	533.3	532.0	530.8	529.5	530.8	532.0	533.3
117.5°	608.5	607.5	606.5	605.3	603.7	602.1	600.5	599.0	600.5	602.1	603.7
120°	652.3	651.7	651.1	649.8	647.9	646.0	644.1	642.2	644.1	646.0	647.9
122.5°	695.2	694.4	693.6	692.4	690.8	689.3	687.7	686.2	687.7	689.3	690.8
125°	756.1	755.2	754.4	753.2	751.5	749.7	748.1	746.4	748.1	749.7	751.5
127.5°	814.9	813.8	812.9	811.5	809.8	808.1	806.4	804.8	806.4	808.1	809.8
130°	850.8	849.9	849.1	847.8	846.2	844.5	842.9	841.1	842.9	844.5	846.2
132.5°	885.3	884.6	883.9	882.7	881.0	879.4	877.7	876.0	877.7	879.4	881.0
135°	937.0	936.2	935.3	934.3	933.0	931.7	930.5	929.2	930.5	931.7	933.0
137.5°	983.1	982.6	982.1	981.1	979.5	977.9	976.3	974.7	976.3	977.9	979.5
140°	1012.3	1011.6	1011.0	1010.1	1008.8	1007.5	1006.2	1005.0	1006.2	1007.5	1008.8
142.5°	1040.3	1039.7	1039.0	1038.1	1036.8	1035.6	1034.3	1033.1	1034.3	1035.6	1036.8
145°	1079.9	1079.5	1079.1	1078.2	1076.7	1075.2	1073.7	1072.3	1073.7	1075.2	1076.7
147.5°	1114.6	1114.2	1113.8	1113.0	1112.1	1111.2	1110.2	1109.2	1110.2	1111.2	1112.1
150°	1135.8	1135.4	1135.0	1134.5	1133.8	1133.2	1132.5	1132.0	1132.5	1133.2	1133.8
152.5°	1154.4	1154.1	1153.8	1153.6	1153.2	1153.0	1152.7	1152.4	1152.7	1153.0	1153.2
155°	1179.8	1179.6	1179.4	1179.5	1179.9	1180.3	1180.8	1181.2	1180.8	1180.3	1179.9
157.5°	1202.8	1203.1	1203.2	1203.4	1203.4	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4
160°	1215.7	1215.9	1216.1	1216.3	1216.6	1216.8	1217.0	1217.2	1217.0	1216.8	1216.6
162.5°	1227.1	1227.3	1227.5	1227.8	1228.4	1229.0	1229.6	1230.0	1229.6	1229.0	1228.4
165°	1242.2	1242.4	1242.7	1243.1	1243.7	1244.3	1245.0	1245.6	1245.0	1244.3	1243.7
167.5°	1253.9	1253.9	1253.9	1254.3	1255.2	1256.1	1256.9	1257.8	1256.9	1256.1	1255.2
170°	1260.8	1260.8	1260.8	1261.2	1262.0	1262.9	1263.7	1264.5	1263.7	1262.9	1262.0
172.5°	1264.9	1264.8	1264.6	1265.0	1266.1	1267.1	1268.1	1269.1	1268.1	1267.1	1266.1
175°	1270.7	1270.6	1270.3	1270.7	1271.8	1272.8	1273.9	1275.0	1273.9	1272.8	1271.8
177.5°	1273.1	1272.9	1272.8	1273.1	1274.0	1274.8	1275.6	1276.5	1275.6	1274.8	1274.0
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0



TEST NUMBER: P332324-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	980.1	975.6	972.6	965.7	961.2	956.5	951.7	954.8	954.5	954.1	954.1
5°	947.2	937.3	928.4	916.9	909.6	900.7	893.8	893.0	894.7	888.7	885.3
7.5°	914.6	901.2	888.4	875.7	862.3	851.5	844.7	841.6	837.2	833.6	829.7
10°	891.7	875.9	863.5	847.7	833.2	820.4	812.3	806.7	803.7	800.8	795.2
12.5°	868.1	852.6	836.9	819.0	805.2	790.4	784.3	778.0	772.3	769.0	761.4
15°	833.6	813.6	797.0	778.1	762.8	748.3	739.7	727.3	725.6	721.4	713.7
17.5°	799.1	777.3	754.3	740.5	723.1	708.0	695.0	690.8	678.6	674.0	667.3
20°	771.8	751.7	734.2	715.8	690.6	676.5	666.3	660.8	650.9	645.0	640.7
22.5°	748.2	727.8	707.5	686.2	665.4	649.5	642.0	633.4	628.1	619.7	615.1
25°	714.5	692.4	668.1	645.0	630.1	618.1	606.1	598.4	590.8	586.9	578.4
27.5°	675.5	652.2	629.5	612.0	593.7	581.9	571.0	564.2	555.0	548.5	543.8
30°	654.0	626.6	607.0	591.2	567.7	556.6	548.5	540.0	533.1	526.3	521.6
32.5°	629.0	604.1	585.5	565.9	547.9	535.8	525.3	517.8	511.9	505.5	500.8
35°	589.9	569.0	549.8	530.1	516.9	504.5	492.2	485.8	480.2	474.3	469.9
37.5°	554.6	535.0	516.7	498.1	481.8	471.7	461.7	456.8	449.3	445.3	440.9
40°	532.7	513.5	493.8	476.0	458.9	451.2	442.2	435.0	428.1	425.2	420.4
42.5°	508.8	489.6	473.0	453.7	439.8	429.3	421.0	413.1	408.0	403.7	401.0
45°	473.4	456.3	440.1	420.9	407.6	398.7	389.3	382.0	377.3	374.4	369.7
47.5°	439.0	421.9	405.4	388.7	375.9	365.7	356.3	351.2	345.0	341.3	338.2
50°	414.0	398.7	381.2	365.8	353.0	342.8	335.1	328.6	323.1	318.5	316.3
52.5°	391.2	374.8	359.6	345.4	331.8	320.2	313.2	306.5	302.3	296.9	294.4
55°	353.4	337.6	324.8	310.7	297.5	287.7	279.2	273.2	268.9	262.9	259.5
57.5°	318.0	303.9	288.5	276.3	262.7	254.4	247.3	239.2	234.0	229.3	226.0
60°	294.1	277.9	264.6	253.2	241.2	230.5	224.1	217.7	212.1	207.4	204.5
62.5°	269.2	255.0	242.5	229.9	219.0	209.7	202.3	196.9	192.0	189.0	186.1
65°	230.9	219.8	207.0	196.8	186.5	179.7	173.7	169.0	165.6	163.5	160.9
67.5°	195.8	185.0	173.8	163.7	156.9	151.7	147.8	143.7	142.0	139.3	137.6
70°	172.8	161.8	152.0	144.3	137.5	133.6	131.0	128.1	126.4	122.9	121.2
72.5°	148.0	139.9	132.8	126.5	121.1	117.6	114.3	110.6	107.9	104.1	102.5
75°	116.5	109.3	103.7	99.5	96.0	91.3	86.7	82.8	81.5	80.2	79.8
77.5°	86.3	81.7	77.7	74.1	69.9	66.4	65.4	64.6	64.2	63.6	63.6
80°	67.8	63.6	60.6	56.3	53.8	53.8	53.8	52.9	53.3	53.3	53.3
82.5°	50.5	46.6	44.9	43.4	42.9	43.2	43.2	43.4	43.1	43.8	43.5
85°	26.0	26.5	27.3	26.9	27.3	27.3	28.2	27.7	28.2	27.3	28.2
87.5°	11.4	13.0	13.9	14.8	15.6	15.8	16.3	16.5	17.0	17.2	17.3
90°	9.4	11.8	14.5	17.3	20.0	22.7	23.6	24.4	25.3	26.1	26.7
92.5°	15.2	16.0	18.1	20.1	22.2	24.2	25.6	26.9	28.3	29.7	30.4
95°	23.2	20.1	22.4	24.7	27.1	29.4	30.8	32.3	33.8	35.2	36.0
97.5°	100.6	91.2	76.0	60.8	45.7	30.5	32.2	33.8	35.5	37.3	38.2
100°	176.9	162.6	129.8	96.9	64.1	31.2	32.9	34.7	36.3	38.0	39.0
102.5°	222.3	205.8	169.9	134.0	98.2	62.3	57.1	51.9	46.6	41.4	39.1
105°	291.6	283.2	264.2	245.3	226.4	207.4	170.2	132.9	95.6	58.4	40.0
107.5°	365.8	368.3	371.3	374.2	377.2	380.3	352.9	325.5	298.2	270.9	243.2
110°	416.0	417.9	420.3	422.6	424.9	427.2	420.3	413.3	406.3	399.4	380.9



TEST NUMBER: P332324-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	463.7	465.7	468.0	470.3	472.6	474.9	475.1	475.2	475.3	475.5	472.3
115°	534.5	536.1	538.0	539.9	541.8	543.7	545.8	547.9	550.0	552.1	553.6
117.5°	605.3	606.5	607.5	608.5	609.4	610.4	612.0	613.8	615.5	617.1	618.1
120°	649.8	651.1	651.7	652.3	653.0	653.5	655.3	657.0	658.6	660.3	661.1
122.5°	692.4	693.6	694.4	695.2	695.9	696.8	698.0	699.1	700.3	701.5	702.1
125°	753.2	754.4	755.2	756.1	756.9	757.7	758.2	758.6	759.0	759.5	759.9
127.5°	811.5	812.9	813.8	814.9	815.9	816.8	817.6	818.2	818.9	819.5	819.7
130°	847.8	849.1	849.9	850.8	851.7	852.5	853.4	854.2	855.0	855.9	856.1
132.5°	882.7	883.9	884.6	885.3	885.9	886.6	887.5	888.3	889.2	890.0	890.1
135°	934.3	935.3	936.2	937.0	937.8	938.7	939.3	940.0	940.6	941.3	941.3
137.5°	981.1	982.1	982.6	983.1	983.5	984.0	985.0	986.0	987.0	988.0	988.3
140°	1010.1	1011.0	1011.6	1012.3	1012.9	1013.5	1014.4	1015.2	1016.0	1016.9	1017.1
142.5°	1038.1	1039.0	1039.7	1040.3	1041.0	1041.5	1042.3	1042.9	1043.6	1044.2	1044.3
145°	1078.2	1079.1	1079.5	1079.9	1080.4	1080.8	1081.2	1081.7	1082.1	1082.5	1082.6
147.5°	1113.0	1113.8	1114.2	1114.6	1115.0	1115.4	1115.9	1116.3	1116.7	1117.1	1116.9
150°	1134.5	1135.0	1135.4	1135.8	1136.3	1136.7	1137.1	1137.5	1137.9	1138.3	1138.2
152.5°	1153.6	1153.8	1154.1	1154.4	1154.6	1154.9	1155.6	1156.3	1157.2	1157.9	1157.8
155°	1179.5	1179.4	1179.6	1179.8	1180.1	1180.2	1181.3	1182.3	1183.4	1184.5	1184.3
157.5°	1203.4	1203.2	1203.1	1202.8	1202.6	1202.4	1203.7	1204.9	1206.2	1207.5	1207.3
160°	1216.3	1216.1	1215.9	1215.7	1215.5	1215.3	1216.6	1217.8	1219.0	1220.3	1220.3
162.5°	1227.8	1227.5	1227.3	1227.1	1226.9	1226.6	1228.1	1229.6	1230.9	1232.4	1232.4
165°	1243.1	1242.7	1242.4	1242.2	1242.0	1241.8	1243.5	1245.2	1246.8	1248.5	1248.6
167.5°	1254.3	1253.9	1253.9	1253.9	1253.9	1253.9	1255.6	1257.3	1259.0	1260.7	1260.7
170°	1261.2	1260.8	1260.8	1260.8	1260.8	1260.8	1262.4	1264.1	1265.8	1267.5	1267.5
172.5°	1265.0	1264.6	1264.8	1264.9	1265.1	1265.3	1267.0	1268.7	1270.3	1272.0	1271.9
175°	1270.7	1270.3	1270.6	1270.7	1271.0	1271.1	1272.7	1274.1	1275.6	1277.1	1276.9
177.5°	1273.1	1272.8	1272.9	1273.1	1273.3	1273.4	1274.8	1276.1	1277.5	1278.8	1278.6
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0



TEST NUMBER: P332324-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	950.0	949.7	950.0	948.6	950.0	949.7	950.0	954.1	954.1	954.5	954.8
5°	884.0	883.5	882.3	878.5	882.3	883.5	884.0	885.3	888.7	894.7	893.0
7.5°	826.4	825.8	822.1	822.1	822.1	825.8	826.4	829.7	833.6	837.2	841.6
10°	792.2	792.6	787.6	784.6	787.6	792.6	792.2	795.2	800.8	803.7	806.7
12.5°	759.1	757.2	753.0	749.7	753.0	757.2	759.1	761.4	769.0	772.3	778.0
15°	715.4	711.1	700.9	701.7	700.9	711.1	715.4	713.7	721.4	725.6	727.3
17.5°	663.9	660.8	660.6	654.6	660.6	660.8	663.9	667.3	674.0	678.6	690.8
20°	633.9	631.8	632.6	626.6	632.6	631.8	633.9	640.7	645.0	650.9	660.8
22.5°	610.3	608.2	604.6	602.8	604.6	608.2	610.3	615.1	619.7	628.1	633.4
25°	575.8	572.4	569.0	571.1	569.0	572.4	575.8	578.4	586.9	590.8	598.4
27.5°	541.4	538.7	535.3	534.9	535.3	538.7	541.4	543.8	548.5	555.0	564.2
30°	519.5	516.9	515.2	513.1	515.2	516.9	519.5	521.6	526.3	533.1	540.0
32.5°	497.3	496.8	493.7	493.3	493.7	496.8	497.3	500.8	505.5	511.9	517.8
35°	468.2	465.7	464.8	465.3	464.8	465.7	468.2	469.9	474.3	480.2	485.8
37.5°	440.7	437.2	435.7	434.2	435.7	437.2	440.7	440.9	445.3	449.3	456.8
40°	420.9	417.4	416.6	415.7	416.6	417.4	420.9	420.4	425.2	428.1	435.0
42.5°	398.7	397.3	396.8	395.3	396.8	397.3	398.7	401.0	403.7	408.0	413.1
45°	368.4	367.9	365.4	366.2	365.4	367.9	368.4	369.7	374.4	377.3	382.0
47.5°	336.5	334.6	332.8	333.9	332.8	334.6	336.5	338.2	341.3	345.0	351.2
50°	314.6	313.7	309.9	310.7	309.9	313.7	314.6	316.3	318.5	323.1	328.6
52.5°	292.8	289.5	288.0	287.6	288.0	289.5	292.8	294.4	296.9	302.3	306.5
55°	256.6	252.7	250.9	250.1	250.9	252.7	256.6	259.5	262.9	268.9	273.2
57.5°	221.0	220.0	218.7	219.6	218.7	220.0	221.0	226.0	229.3	234.0	239.2
60°	200.2	200.2	200.2	199.7	200.2	200.2	200.2	204.5	207.4	212.1	217.7
62.5°	184.2	183.1	182.8	183.4	182.8	183.1	184.2	186.1	189.0	192.0	196.9
65°	159.6	159.2	157.5	157.1	157.5	159.2	159.6	160.9	163.5	165.6	169.0
67.5°	136.5	134.9	134.4	133.9	134.4	134.9	136.5	137.6	139.3	142.0	143.7
70°	119.1	118.2	115.7	116.1	115.7	118.2	119.1	121.2	122.9	126.4	128.1
72.5°	100.3	99.5	99.0	98.3	99.0	99.5	100.3	102.5	104.1	107.9	110.6
75°	79.4	79.0	78.5	80.2	78.5	79.0	79.4	79.8	80.2	81.5	82.8
77.5°	63.6	63.6	63.8	63.2	63.8	63.6	63.6	63.6	63.6	64.2	64.6
80°	53.3	53.3	52.9	52.9	52.9	53.3	53.3	53.3	53.3	53.3	52.9
82.5°	42.8	43.1	43.4	42.7	43.4	43.1	42.8	43.5	43.8	43.1	43.4
85°	28.2	27.7	28.6	28.2	28.6	27.7	28.2	28.2	27.3	28.2	27.7
87.5°	18.1	17.4	17.5	17.9	17.5	17.4	18.1	17.3	17.2	17.0	16.5
90°	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.7	26.1	25.3	24.4
92.5°	30.7	31.0	31.2	31.5	31.2	31.0	30.7	30.4	29.7	28.3	26.9
95°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	35.2	33.8	32.3
97.5°	38.4	38.6	38.8	39.1	38.8	38.6	38.4	38.2	37.3	35.5	33.8
100°	39.1	39.4	39.5	39.8	39.5	39.4	39.1	39.0	38.0	36.3	34.7
102.5°	39.4	39.8	40.2	40.5	40.2	39.8	39.4	39.1	41.4	46.6	51.9
105°	40.4	40.8	41.3	41.7	41.3	40.8	40.4	40.0	58.4	95.6	132.9
107.5°	215.2	187.0	159.0	130.9	159.0	187.0	215.2	243.2	270.9	298.2	325.5
110°	350.8	320.7	290.6	260.5	290.6	320.7	350.8	380.9	399.4	406.3	413.3



TEST NUMBER: P332324-930

CATALOG NUMBER: S123RDIP-S775D1195U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	465.9	459.6	453.2	446.9	453.2	459.6	465.9	472.3	475.5	475.3	475.2
115°	554.4	555.3	556.1	556.9	556.1	555.3	554.4	553.6	552.1	550.0	547.9
117.5°	618.2	618.4	618.6	618.7	618.6	618.4	618.2	618.1	617.1	615.5	613.8
120°	661.1	661.1	661.1	661.1	661.1	661.1	661.1	661.1	660.3	658.6	657.0
122.5°	702.3	702.5	702.7	702.9	702.7	702.5	702.3	702.1	701.5	700.3	699.1
125°	760.3	760.8	761.2	761.6	761.2	760.8	760.3	759.9	759.5	759.0	758.6
127.5°	819.3	818.9	818.5	818.0	818.5	818.9	819.3	819.7	819.5	818.9	818.2
130°	855.7	855.2	854.8	854.4	854.8	855.2	855.7	856.1	855.9	855.0	854.2
132.5°	889.5	888.9	888.4	887.7	888.4	888.9	889.5	890.1	890.0	889.2	888.3
135°	940.6	940.0	939.3	938.7	939.3	940.0	940.6	941.3	941.3	940.6	940.0
137.5°	987.9	987.5	987.1	986.6	987.1	987.5	987.9	988.3	988.0	987.0	986.0
140°	1016.7	1016.3	1015.9	1015.5	1015.9	1016.3	1016.7	1017.1	1016.9	1016.0	1015.2
142.5°	1043.7	1043.1	1042.5	1042.0	1042.5	1043.1	1043.7	1044.3	1044.2	1043.6	1042.9
145°	1082.6	1082.6	1082.6	1082.6	1082.6	1082.6	1082.6	1082.6	1082.5	1082.1	1081.7
147.5°	1115.9	1114.9	1113.9	1113.0	1113.9	1114.9	1115.9	1116.9	1117.1	1116.7	1116.3
150°	1137.6	1137.0	1136.4	1135.7	1136.4	1137.0	1137.6	1138.2	1138.3	1137.9	1137.5
152.5°	1156.8	1155.8	1154.9	1153.9	1154.9	1155.8	1156.8	1157.8	1157.9	1157.2	1156.3
155°	1183.1	1181.9	1180.6	1179.3	1180.6	1181.9	1183.1	1184.3	1184.5	1183.4	1182.3
157.5°	1205.7	1204.0	1202.3	1200.7	1202.3	1204.0	1205.7	1207.3	1207.5	1206.2	1204.9
160°	1218.8	1217.3	1215.8	1214.3	1215.8	1217.3	1218.8	1220.3	1220.3	1219.0	1217.8
162.5°	1231.1	1229.8	1228.5	1227.2	1228.5	1229.8	1231.1	1232.4	1232.4	1230.9	1229.6
165°	1247.2	1245.7	1244.2	1242.8	1244.2	1245.7	1247.2	1248.6	1248.5	1246.8	1245.2
167.5°	1259.0	1257.3	1255.6	1253.9	1255.6	1257.3	1259.0	1260.7	1260.7	1259.0	1257.3
170°	1265.8	1264.1	1262.4	1260.8	1262.4	1264.1	1265.8	1267.5	1267.5	1265.8	1264.1
172.5°	1270.1	1268.3	1266.4	1264.5	1266.4	1268.3	1270.1	1271.9	1272.0	1270.3	1268.7
175°	1275.3	1273.6	1271.9	1270.2	1271.9	1273.6	1275.3	1276.9	1277.1	1275.6	1274.1
177.5°	1277.0	1275.3	1273.6	1271.9	1273.6	1275.3	1277.0	1278.6	1278.8	1277.5	1276.1
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0



TEST NUMBER: P332324-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	951.7	956.5	961.2	965.7	972.6	975.6	980.1	981.8	986.8	994.4	1000.5
5°	893.8	900.7	909.6	916.9	928.4	937.3	947.2	956.6	967.7	983.5	997.5
7.5°	844.7	851.5	862.3	875.7	888.4	901.2	914.6	927.4	943.2	965.9	988.3
10°	812.3	820.4	833.2	847.7	863.5	875.9	891.7	907.9	927.6	953.6	980.5
12.5°	784.3	790.4	805.2	819.0	836.9	852.6	868.1	887.0	909.5	937.2	969.6
15°	739.7	748.3	762.8	778.1	797.0	813.6	833.6	856.7	878.5	912.6	951.9
17.5°	695.0	708.0	723.1	740.5	754.3	777.3	799.1	822.7	849.5	885.7	928.8
20°	666.3	676.5	690.6	715.8	734.2	751.7	771.8	801.2	826.0	866.9	911.7
22.5°	642.0	649.5	665.4	686.2	707.5	727.8	748.2	776.2	806.8	845.8	894.3
25°	606.1	618.1	630.1	645.0	668.1	692.4	714.5	738.4	770.9	812.3	864.8
27.5°	571.0	581.9	593.7	612.0	629.5	652.2	675.5	702.9	737.7	781.5	834.8
30°	548.5	556.6	567.7	591.2	607.0	626.6	654.0	678.2	710.7	757.2	813.6
32.5°	525.3	535.8	547.9	565.9	585.5	604.1	629.0	655.4	688.5	734.3	792.1
35°	492.2	504.5	516.9	530.1	549.8	569.0	589.9	618.9	652.6	697.1	753.8
37.5°	461.7	471.7	481.8	498.1	516.7	535.0	554.6	583.2	614.9	662.8	714.9
40°	442.2	451.2	458.9	476.0	493.8	513.5	532.7	557.9	592.1	636.8	687.2
42.5°	421.0	429.3	439.8	453.7	473.0	489.6	508.8	532.6	564.8	610.3	654.4
45°	389.3	398.7	407.6	420.9	440.1	456.3	473.4	496.0	528.9	566.5	605.7
47.5°	356.3	365.7	375.9	388.7	405.4	421.9	439.0	459.0	489.0	525.9	552.4
50°	335.1	342.8	353.0	365.8	381.2	398.7	414.0	435.8	464.4	493.4	516.5
52.5°	313.2	320.2	331.8	345.4	359.6	374.8	391.2	409.9	435.7	463.0	481.4
55°	279.2	287.7	297.5	310.7	324.8	337.6	353.4	372.7	393.1	413.6	426.0
57.5°	247.3	254.4	262.7	276.3	288.5	303.9	318.0	333.0	351.9	367.4	375.4
60°	224.1	230.5	241.2	253.2	264.6	277.9	294.1	309.1	323.6	335.9	342.3
62.5°	202.3	209.7	219.0	229.9	242.5	255.0	269.2	281.7	294.5	305.2	309.6
65°	173.7	179.7	186.5	196.8	207.0	219.8	230.9	243.7	253.2	259.1	262.9
67.5°	147.8	151.7	156.9	163.7	173.8	185.0	195.8	205.8	213.6	217.7	221.1
70°	131.0	133.6	137.5	144.3	152.0	161.8	172.8	180.1	186.9	190.4	193.8
72.5°	114.3	117.6	121.1	126.5	132.8	139.9	148.0	156.9	160.7	164.8	166.8
75°	86.7	91.3	96.0	99.5	103.7	109.3	116.5	122.1	124.3	127.6	128.1
77.5°	65.4	66.4	69.9	74.1	77.7	81.7	86.3	91.2	92.3	94.1	95.2
80°	53.8	53.8	53.8	56.3	60.6	63.6	67.8	70.4	72.2	72.6	73.0
82.5°	43.2	43.2	42.9	43.4	44.9	46.6	50.5	53.3	54.7	54.5	53.6
85°	28.2	27.3	27.3	26.9	27.3	26.5	26.0	27.7	30.3	30.3	29.4
87.5°	16.3	15.8	15.6	14.8	13.9	13.0	11.4	11.3	10.9	11.9	11.1
90°	23.6	22.7	20.0	17.3	14.5	11.8	9.4	7.3	5.1	3.0	1.0
92.5°	25.6	24.2	22.2	20.1	18.1	16.0	15.2	15.8	16.5	17.0	17.6
95°	30.8	29.4	27.1	24.7	22.4	20.1	23.2	31.9	40.5	49.2	57.8
97.5°	32.2	30.5	45.7	60.8	76.0	91.2	100.6	104.5	108.4	112.3	116.1
100°	32.9	31.2	64.1	96.9	129.8	162.6	176.9	172.7	168.5	164.3	160.0
102.5°	57.1	62.3	98.2	134.0	169.9	205.8	222.3	219.2	216.1	213.1	210.1
105°	170.2	207.4	226.4	245.3	264.2	283.2	291.6	289.2	286.9	284.6	282.3
107.5°	352.9	380.3	377.2	374.2	371.3	368.3	365.8	363.9	362.2	360.3	358.4
110°	420.3	427.2	424.9	422.6	420.3	417.9	416.0	414.3	412.5	410.9	409.2



TEST NUMBER: P332324-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	475.1	474.9	472.6	470.3	468.0	465.7	463.7	462.3	460.7	459.2	457.7
115°	545.8	543.7	541.8	539.9	538.0	536.1	534.5	533.3	532.0	530.8	529.5
117.5°	612.0	610.4	609.4	608.5	607.5	606.5	605.3	603.7	602.1	600.5	599.0
120°	655.3	653.5	653.0	652.3	651.7	651.1	649.8	647.9	646.0	644.1	642.2
122.5°	698.0	696.8	695.9	695.2	694.4	693.6	692.4	690.8	689.3	687.7	686.2
125°	758.2	757.7	756.9	756.1	755.2	754.4	753.2	751.5	749.7	748.1	746.4
127.5°	817.6	816.8	815.9	814.9	813.8	812.9	811.5	809.8	808.1	806.4	804.8
130°	853.4	852.5	851.7	850.8	849.9	849.1	847.8	846.2	844.5	842.9	841.1
132.5°	887.5	886.6	885.9	885.3	884.6	883.9	882.7	881.0	879.4	877.7	876.0
135°	939.3	938.7	937.8	937.0	936.2	935.3	934.3	933.0	931.7	930.5	929.2
137.5°	985.0	984.0	983.5	983.1	982.6	982.1	981.1	979.5	977.9	976.3	974.7
140°	1014.4	1013.5	1012.9	1012.3	1011.6	1011.0	1010.1	1008.8	1007.5	1006.2	1005.0
142.5°	1042.3	1041.5	1041.0	1040.3	1039.7	1039.0	1038.1	1036.8	1035.6	1034.3	1033.1
145°	1081.2	1080.8	1080.4	1079.9	1079.5	1079.1	1078.2	1076.7	1075.2	1073.7	1072.3
147.5°	1115.9	1115.4	1115.0	1114.6	1114.2	1113.8	1113.0	1112.1	1111.2	1110.2	1109.2
150°	1137.1	1136.7	1136.3	1135.8	1135.4	1135.0	1134.5	1133.8	1133.2	1132.5	1132.0
152.5°	1155.6	1154.9	1154.6	1154.4	1154.1	1153.8	1153.6	1153.2	1153.0	1152.7	1152.4
155°	1181.3	1180.2	1180.1	1179.8	1179.6	1179.4	1179.5	1179.9	1180.3	1180.8	1181.2
157.5°	1203.7	1202.4	1202.6	1202.8	1203.1	1203.2	1203.4	1203.4	1203.5	1203.5	1203.5
160°	1216.6	1215.3	1215.5	1215.7	1215.9	1216.1	1216.3	1216.6	1216.8	1217.0	1217.2
162.5°	1228.1	1226.6	1226.9	1227.1	1227.3	1227.5	1227.8	1228.4	1229.0	1229.6	1230.0
165°	1243.5	1241.8	1242.0	1242.2	1242.4	1242.7	1243.1	1243.7	1244.3	1245.0	1245.6
167.5°	1255.6	1253.9	1253.9	1253.9	1253.9	1253.9	1254.3	1255.2	1256.1	1256.9	1257.8
170°	1262.4	1260.8	1260.8	1260.8	1260.8	1260.8	1261.2	1262.0	1262.9	1263.7	1264.5
172.5°	1267.0	1265.3	1265.1	1264.9	1264.8	1264.6	1265.0	1266.1	1267.1	1268.1	1269.1
175°	1272.7	1271.1	1271.0	1270.7	1270.6	1270.3	1270.7	1271.8	1272.8	1273.9	1275.0
177.5°	1274.8	1273.4	1273.3	1273.1	1272.9	1272.8	1273.1	1274.0	1274.8	1275.6	1276.5
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0



TEST NUMBER: P332324-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1002.6	1006.3	1011.1	1018.3	1023.8	1028.5	1029.6	1030.9	1034.4	1040.2	1044.6
5°	1009.1	1018.9	1034.7	1050.0	1066.7	1080.4	1093.2	1102.1	1110.7	1128.6	1143.1
7.5°	1007.1	1028.9	1053.6	1081.2	1109.1	1136.2	1161.3	1183.7	1206.1	1232.2	1262.0
10°	1005.7	1031.3	1064.5	1100.0	1138.8	1176.8	1213.6	1242.1	1275.5	1305.3	1343.3
12.5°	999.1	1036.1	1075.9	1121.2	1168.9	1212.7	1261.0	1300.6	1338.6	1381.8	1426.0
15°	990.8	1035.5	1085.9	1146.1	1218.6	1271.6	1321.1	1389.8	1436.8	1483.8	1546.9
17.5°	975.3	1030.0	1092.9	1171.1	1231.7	1302.8	1377.3	1431.6	1494.9	1561.0	1618.2
20°	963.0	1026.5	1097.0	1173.9	1251.1	1328.4	1400.5	1465.3	1530.7	1607.1	1654.1
22.5°	950.7	1013.6	1086.8	1168.4	1251.4	1332.8	1414.5	1490.6	1564.2	1641.3	1701.2
25°	924.5	999.2	1078.6	1161.9	1243.8	1333.5	1430.8	1515.7	1606.6	1686.0	1742.9
27.5°	898.1	966.5	1045.6	1130.0	1221.2	1327.1	1441.5	1538.1	1629.2	1686.0	1703.9
30°	874.2	946.7	1019.3	1105.1	1203.7	1321.9	1443.6	1554.1	1628.9	1653.6	1635.2
32.5°	849.9	915.7	987.6	1075.4	1180.1	1309.3	1446.3	1544.6	1589.6	1570.7	1495.9
35°	807.1	866.5	936.0	1024.0	1144.4	1302.4	1435.1	1501.6	1490.5	1383.8	1243.0
37.5°	761.4	809.8	874.2	966.1	1107.3	1274.6	1386.6	1396.4	1300.3	1136.5	973.8
40°	725.2	768.7	834.9	931.0	1078.6	1247.2	1337.7	1298.0	1149.1	966.8	831.1
42.5°	690.1	726.8	790.5	894.1	1051.3	1210.1	1265.0	1178.5	1006.7	834.3	710.9
45°	630.5	665.0	729.0	835.4	995.4	1138.8	1131.6	981.3	809.3	670.6	568.1
47.5°	574.0	604.1	664.2	772.7	929.8	1032.1	964.3	804.4	658.4	547.1	474.1
50°	534.0	563.9	623.6	730.8	877.2	951.9	855.0	700.9	567.3	475.1	417.0
52.5°	495.8	525.0	579.6	684.0	813.7	858.3	754.2	611.4	500.0	420.4	370.6
55°	442.2	464.4	513.5	613.3	710.3	720.6	615.1	495.5	403.8	348.3	314.1
57.5°	387.7	406.8	455.3	534.8	602.8	597.5	497.6	394.1	332.3	291.1	266.4
60°	352.1	371.0	413.6	481.9	533.1	515.2	423.5	340.2	287.2	257.0	237.3
62.5°	319.0	333.7	373.7	423.5	460.4	440.1	362.0	293.1	251.1	225.5	210.0
65°	271.1	283.0	315.0	341.0	361.5	341.9	277.0	229.2	198.9	181.0	170.3
67.5°	225.4	233.1	253.3	262.7	277.1	255.6	208.3	176.3	159.1	143.9	136.5
70°	196.8	202.4	213.0	220.7	224.5	202.4	167.3	143.8	129.3	118.6	114.0
72.5°	168.1	172.9	175.1	181.4	179.4	158.7	134.5	115.9	105.4	98.2	92.1
75°	128.5	130.6	128.5	125.9	120.3	105.8	89.2	79.8	72.2	68.7	66.6
77.5°	93.7	92.9	90.1	86.0	76.6	67.4	58.5	55.4	52.0	50.2	49.4
80°	72.2	70.4	67.8	61.5	53.3	47.0	44.8	42.7	41.4	39.3	38.8
82.5°	53.7	52.7	48.4	43.0	37.3	34.3	32.5	31.8	30.5	29.4	29.3
85°	28.6	27.3	22.6	19.6	18.8	17.9	17.5	17.5	15.8	15.3	15.3
87.5°	9.9	8.2	8.3	7.7	8.2	8.0	8.9	8.8	9.0	9.5	9.0
90°	3.0	5.1	7.3	9.4	11.8	14.5	17.3	20.0	22.7	23.6	24.4
92.5°	17.0	16.5	15.8	15.2	16.0	18.1	20.1	22.2	24.2	25.6	26.9
95°	49.2	40.5	31.9	23.2	20.1	22.4	24.7	27.1	29.4	30.8	32.3
97.5°	112.3	108.4	104.5	100.6	91.2	76.0	60.8	45.7	30.5	32.2	33.8
100°	164.3	168.5	172.7	176.9	162.6	129.8	96.9	64.1	31.2	32.9	34.7
102.5°	213.1	216.1	219.2	222.3	205.8	169.9	134.0	98.2	62.3	57.1	51.9
105°	284.6	286.9	289.2	291.6	283.2	264.2	245.3	226.4	207.4	170.2	132.9
107.5°	360.3	362.2	363.9	365.8	368.3	371.3	374.2	377.2	380.3	352.9	325.5
110°	410.9	412.5	414.3	416.0	417.9	420.3	422.6	424.9	427.2	420.3	413.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	459.2	460.7	462.3	463.7	465.7	468.0	470.3	472.6	474.9	475.1	475.2
115°	530.8	532.0	533.3	534.5	536.1	538.0	539.9	541.8	543.7	545.8	547.9
117.5°	600.5	602.1	603.7	605.3	606.5	607.5	608.5	609.4	610.4	612.0	613.8
120°	644.1	646.0	647.9	649.8	651.1	651.7	652.3	653.0	653.5	655.3	657.0
122.5°	687.7	689.3	690.8	692.4	693.6	694.4	695.2	695.9	696.8	698.0	699.1
125°	748.1	749.7	751.5	753.2	754.4	755.2	756.1	756.9	757.7	758.2	758.6
127.5°	806.4	808.1	809.8	811.5	812.9	813.8	814.9	815.9	816.8	817.6	818.2
130°	842.9	844.5	846.2	847.8	849.1	849.9	850.8	851.7	852.5	853.4	854.2
132.5°	877.7	879.4	881.0	882.7	883.9	884.6	885.3	885.9	886.6	887.5	888.3
135°	930.5	931.7	933.0	934.3	935.3	936.2	937.0	937.8	938.7	939.3	940.0
137.5°	976.3	977.9	979.5	981.1	982.1	982.6	983.1	983.5	984.0	985.0	986.0
140°	1006.2	1007.5	1008.8	1010.1	1011.0	1011.6	1012.3	1012.9	1013.5	1014.4	1015.2
142.5°	1034.3	1035.6	1036.8	1038.1	1039.0	1039.7	1040.3	1041.0	1041.5	1042.3	1042.9
145°	1073.7	1075.2	1076.7	1078.2	1079.1	1079.5	1079.9	1080.4	1080.8	1081.2	1081.7
147.5°	1110.2	1111.2	1112.1	1113.0	1113.8	1114.2	1114.6	1115.0	1115.4	1115.9	1116.3
150°	1132.5	1133.2	1133.8	1134.5	1135.0	1135.4	1135.8	1136.3	1136.7	1137.1	1137.5
152.5°	1152.7	1153.0	1153.2	1153.6	1153.8	1154.1	1154.4	1154.6	1154.9	1155.6	1156.3
155°	1180.8	1180.3	1179.9	1179.5	1179.4	1179.6	1179.8	1180.1	1180.2	1181.3	1182.3
157.5°	1203.5	1203.5	1203.4	1203.4	1203.2	1203.1	1202.8	1202.6	1202.4	1203.7	1204.9
160°	1217.0	1216.8	1216.6	1216.3	1216.1	1215.9	1215.7	1215.5	1215.3	1216.6	1217.8
162.5°	1229.6	1229.0	1228.4	1227.8	1227.5	1227.3	1227.1	1226.9	1226.6	1228.1	1229.6
165°	1245.0	1244.3	1243.7	1243.1	1242.7	1242.4	1242.2	1242.0	1241.8	1243.5	1245.2
167.5°	1256.9	1256.1	1255.2	1254.3	1253.9	1253.9	1253.9	1253.9	1253.9	1255.6	1257.3
170°	1263.7	1262.9	1262.0	1261.2	1260.8	1260.8	1260.8	1260.8	1260.8	1262.4	1264.1
172.5°	1268.1	1267.1	1266.1	1265.0	1264.6	1264.8	1264.9	1265.1	1265.3	1267.0	1268.7
175°	1273.9	1272.8	1271.8	1270.7	1270.3	1270.6	1270.7	1271.0	1271.1	1272.7	1274.1
177.5°	1275.6	1274.8	1274.0	1273.1	1272.8	1272.9	1273.1	1273.3	1273.4	1274.8	1276.1
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1051.7	1051.7	1053.1	1058.3	1058.9	1063.4	1062.0
5°	1155.9	1164.0	1167.0	1179.8	1187.5	1190.9	1184.1
7.5°	1283.3	1306.2	1317.0	1330.4	1342.3	1345.9	1336.5
10°	1376.1	1400.0	1420.2	1432.5	1444.1	1451.7	1461.5
12.5°	1466.0	1495.3	1514.4	1531.9	1543.8	1553.5	1555.1
15°	1563.6	1607.9	1641.7	1666.4	1678.8	1685.2	1682.6
17.5°	1662.0	1703.2	1727.1	1752.4	1769.5	1770.4	1770.9
20°	1717.7	1757.8	1785.5	1804.3	1823.5	1822.7	1826.9
22.5°	1754.9	1786.5	1807.7	1821.4	1828.0	1824.7	1825.5
25°	1772.3	1781.7	1777.8	1756.1	1750.5	1730.5	1733.9
27.5°	1682.5	1638.1	1592.1	1533.1	1486.5	1449.3	1451.2
30°	1560.6	1482.1	1392.4	1317.3	1249.9	1231.0	1190.9
32.5°	1390.2	1272.4	1167.3	1097.3	1039.4	1023.8	988.8
35°	1101.3	986.8	878.9	814.0	788.4	752.5	752.1
37.5°	856.0	755.3	698.1	649.5	623.9	602.3	600.1
40°	720.1	641.6	598.4	563.5	538.3	522.0	518.2
42.5°	625.2	561.7	521.3	499.6	480.2	471.8	465.6
45°	510.5	467.8	439.7	420.0	411.1	404.6	401.2
47.5°	427.1	398.4	379.2	366.2	358.9	352.1	353.9
50°	381.6	358.2	344.1	331.7	326.1	321.4	321.9
52.5°	345.0	324.0	312.6	303.7	296.8	293.4	291.8
55°	292.9	279.6	268.1	261.6	257.8	253.2	251.8
57.5°	249.8	239.5	230.2	222.9	221.9	217.4	218.0
60°	221.1	212.5	204.9	201.1	198.0	194.2	195.5
62.5°	197.5	190.4	183.4	180.2	177.2	174.4	175.0
65°	161.8	154.9	150.7	149.0	147.7	146.4	145.1
67.5°	128.9	124.7	122.1	118.4	115.8	115.4	114.1
70°	108.4	102.9	98.2	93.5	92.2	91.8	92.2
72.5°	86.9	83.4	82.1	79.8	79.6	78.4	79.2
75°	65.3	64.0	63.2	61.5	61.5	61.5	61.5
77.5°	48.2	47.4	46.9	46.6	46.1	45.5	45.4
80°	37.6	37.1	36.3	36.3	35.9	36.3	35.9
82.5°	28.4	28.3	27.4	27.4	27.0	26.7	27.0
85°	14.5	14.1	14.9	14.1	14.5	13.7	14.5
87.5°	9.1	9.3	9.1	9.2	9.0	9.7	9.1
90°	25.3	26.1	26.7	27.1	27.6	28.0	28.5
92.5°	28.3	29.7	30.4	30.7	31.0	31.2	31.5
95°	33.8	35.2	36.0	36.0	36.0	36.0	36.0
97.5°	35.5	37.3	38.2	38.4	38.6	38.8	39.1
100°	36.3	38.0	39.0	39.1	39.4	39.5	39.8
102.5°	46.6	41.4	39.1	39.4	39.8	40.2	40.5
105°	95.6	58.4	40.0	40.4	40.8	41.3	41.7
107.5°	298.2	270.9	243.2	215.2	187.0	159.0	130.9
110°	406.3	399.4	380.9	350.8	320.7	290.6	260.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	475.3	475.5	472.3	465.9	459.6	453.2	446.9
115°	550.0	552.1	553.6	554.4	555.3	556.1	556.9
117.5°	615.5	617.1	618.1	618.2	618.4	618.6	618.7
120°	658.6	660.3	661.1	661.1	661.1	661.1	661.1
122.5°	700.3	701.5	702.1	702.3	702.5	702.7	702.9
125°	759.0	759.5	759.9	760.3	760.8	761.2	761.6
127.5°	818.9	819.5	819.7	819.3	818.9	818.5	818.0
130°	855.0	855.9	856.1	855.7	855.2	854.8	854.4
132.5°	889.2	890.0	890.1	889.5	888.9	888.4	887.7
135°	940.6	941.3	941.3	940.6	940.0	939.3	938.7
137.5°	987.0	988.0	988.3	987.9	987.5	987.1	986.6
140°	1016.0	1016.9	1017.1	1016.7	1016.3	1015.9	1015.5
142.5°	1043.6	1044.2	1044.3	1043.7	1043.1	1042.5	1042.0
145°	1082.1	1082.5	1082.6	1082.6	1082.6	1082.6	1082.6
147.5°	1116.7	1117.1	1116.9	1115.9	1114.9	1113.9	1113.0
150°	1137.9	1138.3	1138.2	1137.6	1137.0	1136.4	1135.7
152.5°	1157.2	1157.9	1157.8	1156.8	1155.8	1154.9	1153.9
155°	1183.4	1184.5	1184.3	1183.1	1181.9	1180.6	1179.3
157.5°	1206.2	1207.5	1207.3	1205.7	1204.0	1202.3	1200.7
160°	1219.0	1220.3	1220.3	1218.8	1217.3	1215.8	1214.3
162.5°	1230.9	1232.4	1232.4	1231.1	1229.8	1228.5	1227.2
165°	1246.8	1248.5	1248.6	1247.2	1245.7	1244.2	1242.8
167.5°	1259.0	1260.7	1260.7	1259.0	1257.3	1255.6	1253.9
170°	1265.8	1267.5	1267.5	1265.8	1264.1	1262.4	1260.8
172.5°	1270.3	1272.0	1271.9	1270.1	1268.3	1266.4	1264.5
175°	1275.6	1277.1	1276.9	1275.3	1273.6	1271.9	1270.2
177.5°	1277.5	1278.8	1278.6	1277.0	1275.3	1273.6	1271.9
180°	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0

(END OF REPORT)