

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: P331798

Luminaire Tested: **S122RDIW-S485D1240U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331798
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: S122RDIW-S485D1240U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6159.9 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

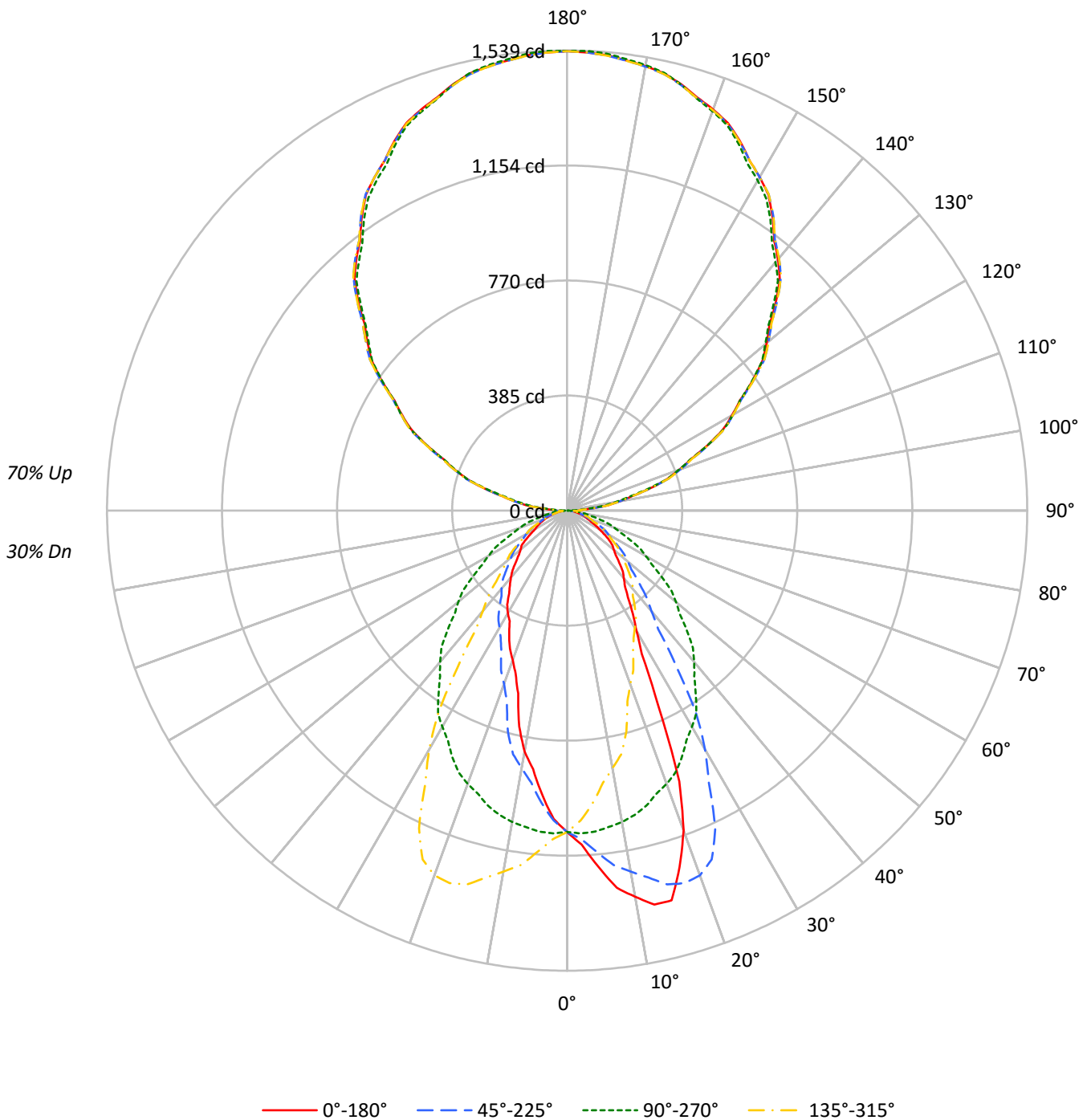
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	94	90	86	83	84	81	78	75	64	62	60	48	47	46	34	34	33	26
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	29	28	23
3	79	70	63	58	70	63	57	53	50	46	43	39	36	34	28	26	25	20
4	72	62	55	49	65	56	50	45	45	41	37	35	32	29	25	23	22	18
5	66	55	48	42	59	50	44	39	40	36	32	31	28	26	23	21	19	16
6	61	50	42	37	55	45	39	34	37	32	28	28	25	23	21	19	17	14
7	57	45	38	32	51	41	34	30	33	29	25	26	23	20	19	17	16	13
8	53	41	34	29	47	37	31	27	30	26	22	24	21	18	18	16	14	12
9	49	37	30	26	44	34	28	24	28	23	20	22	19	16	17	14	13	11
10	46	34	27	23	41	31	25	21	26	21	18	20	17	15	15	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17354	17354	17354	17354
5°	19379	17462	15483	17462
10°	21502	17339	13421	17339
15°	22559	17085	10574	17085
20°	19557	16708	9149	16708
25°	12827	16192	8170	16192
30°	8634	15567	7394	15567
35°	6993	14781	6668	14781
40°	6218	13923	6171	13923
45°	5628	12919	5507	12919
50°	5122	11921	5102	11921
55°	4814	10818	4752	10818
60°	4027	9804	3978	9804
65°	3396	8902	3851	8902
70°	3139	7950	3630	7950
75°	2938	6918	3356	6918
80°	2706	5690	2985	5690
85°	2482	4502	2631	4502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	1.7
10°-20°	283.9	4.6
20°-30°	365.8	5.9
30°-40°	347.6	5.6
40°-50°	297.8	4.8
50°-60°	226.8	3.7
60°-70°	143.4	2.3
70°-80°	71.6	1.2
80°-90°	24.8	0.4
90°-100°	97.4	1.6
100°-110°	302.4	4.9
110°-120°	516.9	8.4
120°-130°	679.7	11.0
130°-140°	762.9	12.4
140°-150°	748.1	12.1
150°-160°	627.4	10.2
160°-170°	416.2	6.8
170°-180°	145.5	2.4
0°-30°	751.6	12.2
0°-40°	1099.2	17.8
0°-60°	1623.8	26.4
0°-90°	1863.5	30.3
90°-120°	916.6	14.9
90°-150°	3107.4	50.4
90°-180°	4296.0	69.7
0°-180°	6159.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1075	1075	1075	1075	1075	
5°	1196	1077	955	1077	1196	118
15°	1350	1022	633	1022	1350	364
25°	720	909	459	909	720	342
35°	355	750	338	750	355	227
45°	246	566	241	566	246	191
55°	171	384	169	384	171	150
65°	89	233	101	233	89	90
75°	47	111	54	111	47	50
85°	13	24	14	24	13	16
90°	44	1	44	1	44	20
95°	80	67	80	67	80	90
105°	288	279	288	279	288	303
115°	519	519	519	519	519	512
125°	757	755	757	755	757	675
135°	988	976	988	976	988	761
145°	1198	1185	1198	1185	1198	748
155°	1365	1355	1365	1355	1365	628
165°	1476	1474	1476	1474	1476	416
175°	1529	1534	1529	1534	1529	145
180°	1536	1536	1536	1536	1536	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1118.4	1119.3	1120.2	1118.1	1118.1	1116.3	1112.4	1109.4	1101.0	1099.8	1099.8
5°	1195.7	1195.0	1196.5	1191.6	1184.9	1183.4	1176.3	1167.0	1157.3	1146.4	1144.2
7.5°	1272.7	1271.6	1268.6	1267.7	1262.6	1251.3	1239.9	1227.7	1211.6	1195.8	1187.9
10°	1311.5	1323.8	1316.4	1303.3	1305.9	1288.4	1279.0	1263.0	1249.5	1226.0	1220.8
12.5°	1349.7	1354.6	1352.2	1344.8	1341.5	1329.3	1316.7	1302.7	1277.9	1256.8	1238.4
15°	1349.6	1356.7	1358.6	1356.3	1358.2	1357.4	1350.7	1339.1	1317.5	1294.3	1274.2
17.5°	1250.0	1254.9	1267.1	1275.4	1285.9	1308.0	1318.9	1323.2	1319.9	1306.7	1292.5
20°	1138.2	1130.0	1164.4	1181.9	1196.9	1234.2	1266.3	1278.6	1298.4	1298.1	1294.3
22.5°	979.9	981.8	1014.4	1035.2	1078.9	1116.2	1152.8	1199.2	1237.5	1262.8	1277.6
25°	720.0	734.2	766.7	795.0	843.6	913.1	976.2	1049.4	1118.4	1173.0	1224.9
27.5°	540.7	541.8	567.5	593.8	622.6	679.5	759.0	846.4	944.9	1026.1	1119.6
30°	463.1	460.8	471.7	487.7	512.4	556.4	616.2	702.1	800.3	922.8	1031.8
32.5°	408.1	408.2	416.4	428.3	448.7	478.4	519.4	589.1	682.0	802.4	930.2
35°	354.8	354.4	360.4	369.0	377.5	396.6	424.6	461.2	525.1	637.5	768.2
37.5°	316.5	318.2	321.1	326.5	335.9	346.5	363.4	387.9	433.4	499.9	609.7
40°	295.0	295.8	299.9	304.4	310.0	318.2	332.0	351.8	385.0	438.0	518.3
42.5°	275.3	276.0	279.0	283.1	287.5	295.8	307.2	324.3	351.3	392.6	458.9
45°	246.5	246.5	249.1	250.9	255.8	263.3	272.6	286.8	305.5	336.1	380.2
47.5°	219.4	219.5	221.2	224.4	227.5	233.3	242.5	254.1	267.7	291.4	329.0
50°	203.9	204.3	205.4	208.0	209.9	215.1	222.2	232.3	246.5	264.8	296.1
52.5°	191.3	191.1	192.5	193.7	194.9	198.7	204.0	212.9	225.6	241.5	267.5
55°	171.0	169.5	171.8	173.6	174.8	176.3	179.2	184.9	195.7	209.1	228.5
57.5°	145.6	145.0	146.6	148.3	151.8	155.9	158.4	162.0	167.6	177.2	196.5
60°	124.7	124.7	128.1	129.2	133.3	138.5	143.8	146.8	152.4	158.7	172.9
62.5°	106.2	106.5	108.1	109.2	111.5	117.9	125.3	131.8	137.1	143.2	152.6
65°	88.9	89.6	89.6	90.4	91.9	93.4	96.3	101.6	110.9	119.5	126.6
67.5°	75.4	75.7	75.9	76.6	77.0	78.6	79.8	82.2	84.3	92.5	101.3
70°	66.5	67.6	67.2	68.0	68.3	69.1	70.6	71.7	75.1	76.9	82.2
72.5°	58.1	58.9	58.9	59.3	60.3	60.4	61.6	62.7	64.9	66.5	69.3
75°	47.1	46.7	47.1	47.8	48.2	48.5	48.5	50.0	51.2	52.7	54.5
77.5°	36.3	36.7	36.6	36.7	36.7	37.4	37.3	38.0	39.1	39.9	40.8
80°	29.1	29.5	29.1	29.5	29.9	30.2	29.9	30.2	31.4	32.1	32.1
82.5°	22.6	22.6	22.9	22.9	23.0	23.1	23.6	23.7	24.5	24.3	24.6
85°	13.4	13.1	13.1	13.1	13.4	13.8	13.4	13.4	13.8	13.8	13.8
87.5°	13.6	13.8	13.8	13.7	13.7	13.7	13.8	14.2	14.0	14.5	12.9
90°	44.1	43.8	43.5	43.2	42.9	43.1	43.7	44.2	44.8	45.4	39.0
92.5°	42.0	42.0	41.9	41.8	41.8	41.7	41.6	41.5	41.3	41.2	39.7
95°	80.4	81.0	81.5	82.1	82.7	83.0	83.0	83.0	83.0	83.0	82.4
97.5°	139.3	139.3	139.4	139.4	139.5	139.5	139.5	139.5	139.5	139.5	138.4
100°	177.6	177.9	178.2	178.5	178.8	178.9	178.9	178.9	178.9	178.9	178.1
102.5°	221.2	221.5	221.8	222.1	222.4	222.4	222.2	221.9	221.7	221.5	220.4
105°	287.9	287.9	287.9	287.9	287.9	287.6	287.0	286.4	285.8	285.3	284.7
107.5°	350.6	351.9	353.3	354.6	355.9	356.5	356.2	356.0	355.8	355.5	355.5
110°	399.4	400.2	401.1	402.0	402.8	403.3	403.3	403.3	403.3	403.3	403.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	446.0	446.7	447.3	447.9	448.6	449.2	449.9	450.6	451.3	452.0	452.2
115°	518.7	519.5	520.4	521.3	522.1	522.7	523.0	523.3	523.6	523.8	524.4
117.5°	587.9	588.8	589.6	590.5	591.4	592.1	592.8	593.5	594.2	594.9	596.5
120°	636.7	637.5	638.4	639.2	640.1	640.5	640.5	640.5	640.5	640.5	642.8
122.5°	684.4	685.0	685.6	686.3	686.9	687.6	688.3	689.0	689.6	690.3	691.9
125°	757.2	757.5	757.8	758.1	758.4	759.0	759.8	760.7	761.6	762.4	763.3
127.5°	823.6	824.6	825.5	826.4	827.3	828.3	829.3	830.4	831.4	832.4	833.5
130°	871.3	872.5	873.7	874.8	876.0	876.8	877.4	878.0	878.5	879.1	879.7
132.5°	917.0	917.9	918.8	919.8	920.7	921.8	923.0	924.3	925.6	926.8	926.7
135°	988.0	988.9	989.8	990.6	991.5	992.1	992.4	992.7	992.9	993.2	992.7
137.5°	1052.4	1053.5	1054.7	1055.8	1057.0	1057.7	1057.9	1058.1	1058.4	1058.6	1057.8
140°	1097.0	1098.1	1099.3	1100.4	1101.6	1102.1	1102.1	1102.1	1102.1	1102.1	1100.7
142.5°	1137.4	1138.6	1139.7	1140.9	1142.0	1142.5	1142.3	1142.0	1141.8	1141.6	1140.6
145°	1198.1	1199.3	1200.4	1201.6	1202.7	1203.1	1202.9	1202.6	1202.3	1202.0	1200.3
147.5°	1252.3	1253.4	1254.5	1255.6	1256.7	1256.9	1256.3	1255.6	1255.0	1254.4	1253.2
150°	1287.6	1288.4	1289.3	1290.2	1291.0	1291.0	1290.2	1289.3	1288.4	1287.6	1286.4
152.5°	1320.8	1321.9	1323.0	1324.0	1325.1	1325.1	1324.0	1323.0	1321.9	1320.8	1319.4
155°	1365.4	1366.2	1367.1	1368.0	1368.8	1368.5	1367.1	1365.7	1364.2	1362.8	1361.9
157.5°	1403.7	1405.1	1406.5	1407.9	1409.3	1409.0	1407.0	1405.1	1403.1	1401.2	1400.6
160°	1427.6	1428.8	1429.9	1431.1	1432.2	1431.9	1430.2	1428.5	1426.7	1425.0	1424.7
162.5°	1448.4	1449.7	1451.1	1452.5	1453.9	1453.6	1451.6	1449.7	1447.7	1445.8	1445.5
165°	1475.6	1477.0	1478.5	1479.9	1481.3	1481.1	1479.0	1477.0	1475.0	1473.0	1473.0
167.5°	1497.9	1499.4	1500.9	1502.4	1503.9	1503.6	1501.6	1499.6	1497.6	1495.5	1495.6
170°	1509.3	1511.0	1512.8	1514.5	1516.2	1516.1	1514.0	1512.0	1510.0	1508.0	1508.3
172.5°	1518.6	1520.4	1522.1	1523.8	1525.5	1525.4	1523.4	1521.4	1519.4	1517.3	1517.6
175°	1528.7	1530.5	1532.2	1533.9	1535.7	1535.5	1533.5	1531.5	1529.5	1527.4	1528.0
177.5°	1533.4	1534.8	1536.2	1537.6	1538.9	1538.9	1537.6	1536.2	1534.8	1533.4	1533.9
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1100.4	1098.1	1096.0	1090.6	1087.9	1081.9	1081.0	1080.7	1073.0	1065.5	1063.4
5°	1138.2	1132.3	1123.3	1112.8	1102.0	1090.8	1083.3	1077.4	1062.4	1048.2	1040.0
7.5°	1176.3	1163.5	1148.0	1128.2	1111.7	1093.2	1079.5	1067.1	1045.9	1025.6	1011.9
10°	1204.7	1183.8	1163.3	1136.0	1114.7	1093.8	1074.4	1057.6	1033.7	1006.8	987.7
12.5°	1222.3	1199.3	1171.0	1144.4	1116.8	1090.2	1064.2	1042.6	1014.6	986.8	964.1
15°	1246.2	1221.5	1187.2	1149.1	1113.6	1078.9	1049.0	1022.1	985.5	952.3	924.6
17.5°	1265.7	1231.7	1194.8	1150.8	1109.7	1065.6	1027.1	992.7	952.0	911.9	879.4
20°	1271.9	1238.3	1195.7	1151.7	1103.1	1051.2	1009.8	972.4	928.7	885.0	847.7
22.5°	1268.0	1241.9	1194.5	1141.8	1092.1	1037.8	991.0	947.6	899.2	854.6	811.3
25°	1241.7	1232.7	1187.9	1130.4	1073.6	1010.5	956.4	908.9	853.7	805.9	758.8
27.5°	1180.2	1199.6	1171.8	1110.5	1047.4	979.7	918.9	864.9	807.5	753.7	706.8
30°	1121.1	1165.5	1153.5	1096.8	1026.2	959.7	891.4	835.0	773.8	718.5	672.2
32.5°	1040.1	1113.5	1125.2	1077.7	1004.7	931.6	860.0	803.9	740.0	681.7	636.6
35°	911.2	1021.0	1071.4	1041.1	967.9	889.2	815.2	749.9	685.6	628.1	583.3
37.5°	757.4	906.9	991.0	993.1	925.9	844.0	763.5	698.6	632.8	576.4	527.9
40°	657.6	819.7	929.1	953.4	896.6	808.1	726.7	660.6	596.4	541.1	485.5
42.5°	568.0	729.5	864.0	906.2	861.1	773.2	691.5	622.4	559.9	507.6	450.8
45°	459.3	600.5	748.7	824.2	799.2	717.7	631.5	565.8	507.1	461.9	407.4
47.5°	387.5	487.0	630.4	732.5	732.0	657.7	572.9	509.9	455.5	413.2	369.0
50°	346.5	433.2	554.6	670.3	680.0	617.7	537.0	474.6	423.9	379.4	343.9
52.5°	309.8	381.2	490.3	601.3	628.9	574.9	496.7	439.1	389.8	348.9	318.5
55°	261.8	317.0	400.0	503.8	545.6	507.5	438.0	384.3	344.3	310.0	283.8
57.5°	221.4	262.9	329.4	413.0	461.7	437.7	380.5	336.8	302.6	271.5	250.9
60°	196.1	230.0	286.4	356.3	410.0	393.2	344.3	303.6	274.5	247.6	228.2
62.5°	172.2	201.4	249.7	306.4	355.7	348.7	308.8	274.6	249.1	224.6	208.2
65°	138.5	159.8	197.5	242.0	281.6	284.9	256.2	233.0	210.2	190.8	176.3
67.5°	110.3	124.2	150.8	188.2	217.9	228.5	210.9	193.2	175.1	160.1	147.5
70°	93.0	104.2	123.6	153.9	181.1	192.3	182.2	168.4	152.7	140.4	129.6
72.5°	75.4	86.3	100.6	122.8	146.2	158.3	154.8	144.8	132.1	121.9	111.7
75°	56.8	60.1	69.8	84.8	103.1	113.5	116.1	110.9	100.8	93.0	87.0
77.5°	42.0	44.0	48.6	56.5	68.4	77.7	81.6	81.0	74.0	69.5	63.9
80°	33.6	34.7	37.0	40.3	49.3	58.6	61.2	61.2	56.4	54.5	48.9
82.5°	25.5	26.4	27.7	29.6	33.8	41.9	44.8	45.4	42.3	39.9	35.5
85°	14.6	14.2	14.9	16.1	16.8	19.0	23.5	24.3	23.5	20.5	19.4
87.5°	11.6	10.7	9.4	8.1	7.7	7.3	8.1	8.9	8.4	8.2	8.3
90°	32.7	26.4	20.0	15.1	11.7	8.2	4.8	1.3	4.8	8.2	11.7
92.5°	38.2	36.7	35.2	33.2	30.7	28.2	25.6	23.1	25.6	28.2	30.7
95°	81.8	81.3	80.7	79.0	76.1	73.2	70.3	67.4	70.3	73.2	76.1
97.5°	137.3	136.2	135.1	133.3	130.8	128.3	125.7	123.2	125.7	128.3	130.8
100°	177.2	176.3	175.5	173.9	171.6	169.3	167.0	164.7	167.0	169.3	171.6
102.5°	219.3	218.2	217.1	215.6	213.8	211.9	210.1	208.2	210.1	211.9	213.8
105°	284.1	283.5	283.0	282.2	281.4	280.5	279.6	278.8	279.6	280.5	281.4
107.5°	355.5	355.5	355.5	354.9	353.6	352.4	351.1	349.8	351.1	352.4	353.6
110°	403.3	403.3	403.3	402.4	400.7	398.9	397.2	395.5	397.2	398.9	400.7



TEST NUMBER: P331798

CATALOG NUMBER: S122RDIW-S485D1240U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	452.5	452.7	452.9	452.2	450.5	448.7	447.0	445.3	447.0	448.7	450.5
115°	525.0	525.6	526.1	525.6	523.8	522.1	520.4	518.7	520.4	522.1	523.8
117.5°	598.1	599.7	601.4	601.0	598.7	596.4	594.1	591.8	594.1	596.4	598.7
120°	645.2	647.5	649.8	649.8	647.5	645.2	642.8	640.5	642.8	645.2	647.5
122.5°	693.6	695.2	696.8	696.2	693.4	690.7	687.9	685.1	687.9	690.7	693.4
125°	764.2	765.0	765.9	765.0	762.4	759.8	757.2	754.6	757.2	759.8	762.4
127.5°	834.5	835.6	836.6	835.5	832.2	828.9	825.6	822.3	825.6	828.9	832.2
130°	880.3	880.9	881.4	879.8	876.1	872.4	868.6	864.9	868.6	872.4	876.1
132.5°	926.6	926.5	926.4	924.8	921.7	918.7	915.6	912.6	915.6	918.7	921.7
135°	992.1	991.5	990.9	989.1	985.9	982.7	979.5	976.4	979.5	982.7	985.9
137.5°	1057.1	1056.3	1055.6	1053.9	1051.3	1048.7	1046.1	1043.5	1046.1	1048.7	1051.3
140°	1099.3	1097.8	1096.4	1094.4	1091.8	1089.2	1086.6	1084.0	1086.6	1089.2	1091.8
142.5°	1139.6	1138.6	1137.6	1135.9	1133.3	1130.7	1128.1	1125.5	1128.1	1130.7	1133.3
145°	1198.5	1196.8	1195.1	1193.2	1191.2	1189.2	1187.2	1185.1	1187.2	1189.2	1191.2
147.5°	1252.1	1250.9	1249.8	1248.0	1245.6	1243.1	1240.7	1238.3	1240.7	1243.1	1245.6
150°	1285.3	1284.1	1283.0	1281.5	1279.8	1278.1	1276.3	1274.6	1276.3	1278.1	1279.8
152.5°	1318.0	1316.6	1315.2	1313.7	1311.9	1310.2	1308.5	1306.8	1308.5	1310.2	1311.9
155°	1361.0	1360.2	1359.3	1358.5	1357.6	1356.7	1355.9	1355.0	1355.9	1356.7	1357.6
157.5°	1400.1	1399.6	1399.1	1398.5	1398.0	1397.4	1396.8	1396.2	1396.8	1397.4	1398.0
160°	1424.4	1424.1	1423.9	1423.4	1422.9	1422.3	1421.7	1421.1	1421.7	1422.3	1422.9
162.5°	1445.2	1444.9	1444.6	1444.4	1444.3	1444.2	1444.1	1443.9	1444.1	1444.2	1444.3
165°	1473.0	1473.0	1473.0	1473.1	1473.4	1473.7	1474.0	1474.3	1474.0	1473.7	1473.4
167.5°	1495.7	1495.7	1495.8	1496.2	1497.1	1498.0	1498.8	1499.7	1498.8	1498.0	1497.1
170°	1508.6	1508.9	1509.2	1509.7	1510.6	1511.5	1512.3	1513.2	1512.3	1511.5	1510.6
172.5°	1517.9	1518.2	1518.5	1519.1	1519.9	1520.8	1521.7	1522.5	1521.7	1520.8	1519.9
175°	1528.6	1529.2	1529.8	1530.5	1531.3	1532.2	1533.1	1533.9	1533.1	1532.2	1531.3
177.5°	1534.3	1534.8	1535.3	1535.8	1536.5	1537.2	1537.9	1538.6	1537.9	1537.2	1536.5
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1059.5	1057.4	1053.5	1047.6	1044.0	1037.7	1033.5	1035.9	1036.5	1035.9	1035.3
5°	1031.1	1023.2	1012.4	1001.9	992.2	981.8	975.8	973.2	967.9	965.0	963.5
7.5°	996.6	983.1	967.8	949.6	934.1	917.9	909.6	905.5	894.8	889.0	883.9
10°	970.9	949.6	934.3	910.4	895.9	874.6	860.0	860.4	845.8	837.6	831.6
12.5°	942.6	919.2	893.7	872.2	852.0	834.9	817.3	810.2	794.7	786.8	770.7
15°	895.5	868.2	841.4	812.2	791.7	765.2	739.8	708.8	683.8	662.1	656.1
17.5°	844.1	810.4	783.4	749.2	714.0	669.4	640.0	622.0	606.9	595.5	587.0
20°	808.9	774.5	745.8	694.2	646.8	616.5	594.9	581.1	565.4	553.1	546.3
22.5°	771.8	736.0	696.8	639.2	602.3	578.0	558.7	542.8	532.2	522.6	516.5
25°	719.2	680.0	615.4	575.8	546.0	520.6	507.1	497.4	486.2	473.1	467.2
27.5°	663.7	601.3	554.9	525.5	497.0	480.5	468.4	453.9	443.9	438.0	431.8
30°	622.1	559.8	523.6	491.4	471.3	453.0	438.8	430.6	420.9	410.8	406.7
32.5°	575.8	526.0	491.3	464.6	444.1	428.5	417.3	404.0	397.0	390.8	382.2
35°	518.3	480.6	448.9	427.2	407.8	395.1	382.0	374.2	361.5	356.3	352.9
37.5°	469.6	436.9	413.2	390.4	375.0	361.0	353.0	340.5	335.0	327.7	320.6
40°	442.1	410.0	387.3	368.6	351.4	340.9	330.9	320.8	312.6	309.2	300.6
42.5°	414.1	387.9	365.1	344.7	333.2	322.1	309.4	302.0	293.4	288.0	282.7
45°	375.3	352.2	332.7	315.9	303.2	291.7	283.4	271.1	266.3	255.4	250.9
47.5°	341.2	319.7	301.2	285.2	272.8	265.3	253.3	243.6	235.9	229.2	223.5
50°	317.0	299.1	281.2	267.0	255.8	245.0	232.7	227.8	215.8	212.5	209.1
52.5°	294.9	277.9	261.5	247.6	236.4	225.9	215.0	208.7	200.6	197.2	194.8
55°	264.0	247.6	231.9	219.6	208.4	197.5	190.8	183.0	179.2	176.6	173.6
57.5°	232.9	218.2	206.1	193.7	182.4	173.8	166.0	161.3	157.4	154.0	150.4
60°	213.2	199.0	188.2	176.6	165.1	158.0	152.0	146.4	141.9	136.7	135.2
62.5°	192.3	179.9	170.0	158.7	148.6	142.1	136.5	131.2	125.8	118.2	116.1
65°	163.6	153.9	143.4	134.1	125.1	118.8	110.5	104.6	102.3	101.6	101.2
67.5°	137.6	128.4	119.4	109.9	101.7	95.8	91.6	90.7	89.2	88.7	87.7
70°	120.2	111.7	102.7	93.7	85.9	84.8	83.3	81.8	79.9	79.2	78.4
72.5°	104.7	95.8	86.9	79.7	76.3	74.9	73.4	71.9	70.7	69.9	69.5
75°	80.3	72.1	66.1	63.5	61.6	60.5	58.3	57.1	56.4	55.3	54.9
77.5°	57.8	53.2	50.4	48.8	46.8	45.6	44.4	43.2	42.4	42.2	41.6
80°	44.1	41.8	40.0	37.7	37.0	35.5	35.1	34.0	34.4	33.2	33.2
82.5°	34.2	31.4	29.8	28.8	28.0	26.8	26.4	25.9	26.0	25.2	25.2
85°	17.6	16.8	16.1	15.3	15.3	14.2	14.6	14.2	14.2	13.4	13.1
87.5°	8.7	9.4	10.1	11.3	12.6	13.6	13.4	13.0	12.9	12.8	12.5
90°	15.1	20.0	26.4	32.7	39.0	45.4	44.8	44.2	43.7	43.1	42.9
92.5°	33.2	35.2	36.7	38.2	39.7	41.2	41.3	41.5	41.6	41.7	41.8
95°	79.0	80.7	81.3	81.8	82.4	83.0	83.0	83.0	83.0	83.0	82.7
97.5°	133.3	135.1	136.2	137.3	138.4	139.5	139.5	139.5	139.5	139.5	139.5
100°	173.9	175.5	176.3	177.2	178.1	178.9	178.9	178.9	178.9	178.9	178.8
102.5°	215.6	217.1	218.2	219.3	220.4	221.5	221.7	221.9	222.2	222.4	222.4
105°	282.2	283.0	283.5	284.1	284.7	285.3	285.8	286.4	287.0	287.6	287.9
107.5°	354.9	355.5	355.5	355.5	355.5	355.5	355.8	356.0	356.2	356.5	355.9
110°	402.4	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	402.8



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CATALOG NUMBER: S122RDIW-S485D1240U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	452.2	452.9	452.7	452.5	452.2	452.0	451.3	450.6	449.9	449.2	448.6
115°	525.6	526.1	525.6	525.0	524.4	523.8	523.6	523.3	523.0	522.7	522.1
117.5°	601.0	601.4	599.7	598.1	596.5	594.9	594.2	593.5	592.8	592.1	591.4
120°	649.8	649.8	647.5	645.2	642.8	640.5	640.5	640.5	640.5	640.5	640.1
122.5°	696.2	696.8	695.2	693.6	691.9	690.3	689.6	689.0	688.3	687.6	686.9
125°	765.0	765.9	765.0	764.2	763.3	762.4	761.6	760.7	759.8	759.0	758.4
127.5°	835.5	836.6	835.6	834.5	833.5	832.4	831.4	830.4	829.3	828.3	827.3
130°	879.8	881.4	880.9	880.3	879.7	879.1	878.5	878.0	877.4	876.8	876.0
132.5°	924.8	926.4	926.5	926.6	926.7	926.8	925.6	924.3	923.0	921.8	920.7
135°	989.1	990.9	991.5	992.1	992.7	993.2	992.9	992.7	992.4	992.1	991.5
137.5°	1053.9	1055.6	1056.3	1057.1	1057.8	1058.6	1058.4	1058.1	1057.9	1057.7	1057.0
140°	1094.4	1096.4	1097.8	1099.3	1100.7	1102.1	1102.1	1102.1	1102.1	1102.1	1101.6
142.5°	1135.9	1137.6	1138.6	1139.6	1140.6	1141.6	1141.8	1142.0	1142.3	1142.5	1142.0
145°	1193.2	1195.1	1196.8	1198.5	1200.3	1202.0	1202.3	1202.6	1202.9	1203.1	1202.7
147.5°	1248.0	1249.8	1250.9	1252.1	1253.2	1254.4	1255.0	1255.6	1256.3	1256.9	1256.7
150°	1281.5	1283.0	1284.1	1285.3	1286.4	1287.6	1288.4	1289.3	1290.2	1291.0	1291.0
152.5°	1313.7	1315.2	1316.6	1318.0	1319.4	1320.8	1321.9	1323.0	1324.0	1325.1	1325.1
155°	1358.5	1359.3	1360.2	1361.0	1361.9	1362.8	1364.2	1365.7	1367.1	1368.5	1368.8
157.5°	1398.5	1399.1	1399.6	1400.1	1400.6	1401.2	1403.1	1405.1	1407.0	1409.0	1409.3
160°	1423.4	1423.9	1424.1	1424.4	1424.7	1425.0	1426.7	1428.5	1430.2	1431.9	1432.2
162.5°	1444.4	1444.6	1444.9	1445.2	1445.5	1445.8	1447.7	1449.7	1451.6	1453.6	1453.9
165°	1473.1	1473.0	1473.0	1473.0	1473.0	1473.0	1475.0	1477.0	1479.0	1481.1	1481.3
167.5°	1496.2	1495.8	1495.7	1495.7	1495.6	1495.5	1497.6	1499.6	1501.6	1503.6	1503.9
170°	1509.7	1509.2	1508.9	1508.6	1508.3	1508.0	1510.0	1512.0	1514.0	1516.1	1516.2
172.5°	1519.1	1518.5	1518.2	1517.9	1517.6	1517.3	1519.4	1521.4	1523.4	1525.4	1525.5
175°	1530.5	1529.8	1529.2	1528.6	1528.0	1527.4	1529.5	1531.5	1533.5	1535.5	1535.7
177.5°	1535.8	1535.3	1534.8	1534.3	1533.9	1533.4	1534.8	1536.2	1537.6	1538.9	1538.9
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



TEST NUMBER: P331798

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1032.0	1032.6	1031.7	1032.3	1031.7	1032.6	1032.0	1035.3	1035.9	1036.5	1035.9
5°	961.6	957.1	956.4	955.3	956.4	957.1	961.6	963.5	965.0	967.9	973.2
7.5°	877.5	876.8	875.0	872.3	875.0	876.8	877.5	883.9	889.0	894.8	905.5
10°	823.4	821.6	821.2	818.6	821.2	821.6	823.4	831.6	837.6	845.8	860.4
12.5°	760.1	748.1	746.8	740.3	746.8	748.1	760.1	770.7	786.8	794.7	810.2
15°	647.2	644.9	637.5	632.6	637.5	644.9	647.2	656.1	662.1	683.8	708.8
17.5°	582.6	575.3	573.0	572.0	573.0	575.3	582.6	587.0	595.5	606.9	622.0
20°	541.1	534.4	533.3	532.5	533.3	534.4	541.1	546.3	553.1	565.4	581.1
22.5°	512.4	505.4	502.5	500.3	502.5	505.4	512.4	516.5	522.6	532.2	542.8
25°	463.4	460.8	459.3	458.6	459.3	460.8	463.4	467.2	473.1	486.2	497.4
27.5°	425.1	419.4	418.2	416.3	418.2	419.4	425.1	431.8	438.0	443.9	453.9
30°	403.3	401.4	398.8	396.6	398.8	401.4	403.3	406.7	410.8	420.9	430.6
32.5°	377.6	376.1	373.7	372.7	373.7	376.1	377.6	382.2	390.8	397.0	404.0
35°	349.2	343.9	341.7	338.3	341.7	343.9	349.2	352.9	356.3	361.5	374.2
37.5°	319.1	316.3	313.2	314.3	313.2	316.3	319.1	320.6	327.7	335.0	340.5
40°	295.8	293.9	293.1	292.8	293.1	293.9	295.8	300.6	309.2	312.6	320.8
42.5°	277.2	272.1	270.1	270.1	270.1	272.1	277.2	282.7	288.0	293.4	302.0
45°	249.1	244.2	240.9	241.2	240.9	244.2	249.1	250.9	255.4	266.3	271.1
47.5°	220.3	220.1	218.0	218.7	218.0	220.1	220.3	223.5	229.2	235.9	243.6
50°	206.5	204.3	202.8	203.1	202.8	204.3	206.5	209.1	212.5	215.8	227.8
52.5°	193.4	191.4	190.2	191.8	190.2	191.4	193.4	194.8	197.2	200.6	208.7
55°	171.8	169.5	169.2	168.8	169.2	169.5	171.8	173.6	176.6	179.2	183.0
57.5°	147.7	146.2	143.9	143.0	143.9	146.2	147.7	150.4	154.0	157.4	161.3
60°	130.3	127.3	123.6	123.2	123.6	127.3	130.3	135.2	136.7	141.9	146.4
62.5°	114.5	113.9	113.2	113.1	113.2	113.9	114.5	116.1	118.2	125.8	131.2
65°	100.5	100.1	100.5	100.8	100.5	100.1	100.5	101.2	101.6	102.3	104.6
67.5°	87.5	86.9	86.2	86.5	86.2	86.9	87.5	87.7	88.7	89.2	90.7
70°	77.7	77.3	76.9	76.9	76.9	77.3	77.7	78.4	79.2	79.9	81.8
72.5°	68.1	68.0	67.7	67.4	67.7	68.0	68.1	69.5	69.9	70.7	71.9
75°	54.5	53.8	53.8	53.8	53.8	53.8	54.5	54.9	55.3	56.4	57.1
77.5°	41.5	41.2	40.8	40.5	40.8	41.2	41.5	41.6	42.2	42.4	43.2
80°	32.9	32.5	32.1	32.1	32.1	32.5	32.9	33.2	33.2	34.4	34.0
82.5°	25.1	24.7	24.6	24.3	24.6	24.7	25.1	25.2	25.2	26.0	25.9
85°	13.4	13.8	13.4	14.2	13.4	13.8	13.4	13.1	13.4	14.2	14.2
87.5°	12.5	12.3	12.6	12.4	12.6	12.3	12.5	12.5	12.8	12.9	13.0
90°	43.2	43.5	43.8	44.1	43.8	43.5	43.2	42.9	43.1	43.7	44.2
92.5°	41.8	41.9	42.0	42.0	42.0	41.9	41.8	41.8	41.7	41.6	41.5
95°	82.1	81.5	81.0	80.4	81.0	81.5	82.1	82.7	83.0	83.0	83.0
97.5°	139.4	139.4	139.3	139.3	139.3	139.4	139.4	139.5	139.5	139.5	139.5
100°	178.5	178.2	177.9	177.6	177.9	178.2	178.5	178.8	178.9	178.9	178.9
102.5°	222.1	221.8	221.5	221.2	221.5	221.8	222.1	222.4	222.4	222.2	221.9
105°	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.6	287.0	286.4
107.5°	354.6	353.3	351.9	350.6	351.9	353.3	354.6	355.9	356.5	356.2	356.0
110°	402.0	401.1	400.2	399.4	400.2	401.1	402.0	402.8	403.3	403.3	403.3



TEST NUMBER: P331798

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	447.9	447.3	446.7	446.0	446.7	447.3	447.9	448.6	449.2	449.9	450.6
115°	521.3	520.4	519.5	518.7	519.5	520.4	521.3	522.1	522.7	523.0	523.3
117.5°	590.5	589.6	588.8	587.9	588.8	589.6	590.5	591.4	592.1	592.8	593.5
120°	639.2	638.4	637.5	636.7	637.5	638.4	639.2	640.1	640.5	640.5	640.5
122.5°	686.3	685.6	685.0	684.4	685.0	685.6	686.3	686.9	687.6	688.3	689.0
125°	758.1	757.8	757.5	757.2	757.5	757.8	758.1	758.4	759.0	759.8	760.7
127.5°	826.4	825.5	824.6	823.6	824.6	825.5	826.4	827.3	828.3	829.3	830.4
130°	874.8	873.7	872.5	871.3	872.5	873.7	874.8	876.0	876.8	877.4	878.0
132.5°	919.8	918.8	917.9	917.0	917.9	918.8	919.8	920.7	921.8	923.0	924.3
135°	990.6	989.8	988.9	988.0	988.9	989.8	990.6	991.5	992.1	992.4	992.7
137.5°	1055.8	1054.7	1053.5	1052.4	1053.5	1054.7	1055.8	1057.0	1057.7	1057.9	1058.1
140°	1100.4	1099.3	1098.1	1097.0	1098.1	1099.3	1100.4	1101.6	1102.1	1102.1	1102.1
142.5°	1140.9	1139.7	1138.6	1137.4	1138.6	1139.7	1140.9	1142.0	1142.5	1142.3	1142.0
145°	1201.6	1200.4	1199.3	1198.1	1199.3	1200.4	1201.6	1202.7	1203.1	1202.9	1202.6
147.5°	1255.6	1254.5	1253.4	1252.3	1253.4	1254.5	1255.6	1256.7	1256.9	1256.3	1255.6
150°	1290.2	1289.3	1288.4	1287.6	1288.4	1289.3	1290.2	1291.0	1291.0	1290.2	1289.3
152.5°	1324.0	1323.0	1321.9	1320.8	1321.9	1323.0	1324.0	1325.1	1325.1	1324.0	1323.0
155°	1368.0	1367.1	1366.2	1365.4	1366.2	1367.1	1368.0	1368.8	1368.5	1367.1	1365.7
157.5°	1407.9	1406.5	1405.1	1403.7	1405.1	1406.5	1407.9	1409.3	1409.0	1407.0	1405.1
160°	1431.1	1429.9	1428.8	1427.6	1428.8	1429.9	1431.1	1432.2	1431.9	1430.2	1428.5
162.5°	1452.5	1451.1	1449.7	1448.4	1449.7	1451.1	1452.5	1453.9	1453.6	1451.6	1449.7
165°	1479.9	1478.5	1477.0	1475.6	1477.0	1478.5	1479.9	1481.3	1481.1	1479.0	1477.0
167.5°	1502.4	1500.9	1499.4	1497.9	1499.4	1500.9	1502.4	1503.9	1503.6	1501.6	1499.6
170°	1514.5	1512.8	1511.0	1509.3	1511.0	1512.8	1514.5	1516.2	1516.1	1514.0	1512.0
172.5°	1523.8	1522.1	1520.4	1518.6	1520.4	1522.1	1523.8	1525.5	1525.4	1523.4	1521.4
175°	1533.9	1532.2	1530.5	1528.7	1530.5	1532.2	1533.9	1535.7	1535.5	1533.5	1531.5
177.5°	1537.6	1536.2	1534.8	1533.4	1534.8	1536.2	1537.6	1538.9	1538.9	1537.6	1536.2
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1033.5	1037.7	1044.0	1047.6	1053.5	1057.4	1059.5	1063.4	1065.5	1073.0	1080.7
5°	975.8	981.8	992.2	1001.9	1012.4	1023.2	1031.1	1040.0	1048.2	1062.4	1077.4
7.5°	909.6	917.9	934.1	949.6	967.8	983.1	996.6	1011.9	1025.6	1045.9	1067.1
10°	860.0	874.6	895.9	910.4	934.3	949.6	970.9	987.7	1006.8	1033.7	1057.6
12.5°	817.3	834.9	852.0	872.2	893.7	919.2	942.6	964.1	986.8	1014.6	1042.6
15°	739.8	765.2	791.7	812.2	841.4	868.2	895.5	924.6	952.3	985.5	1022.1
17.5°	640.0	669.4	714.0	749.2	783.4	810.4	844.1	879.4	911.9	952.0	992.7
20°	594.9	616.5	646.8	694.2	745.8	774.5	808.9	847.7	885.0	928.7	972.4
22.5°	558.7	578.0	602.3	639.2	696.8	736.0	771.8	811.3	854.6	899.2	947.6
25°	507.1	520.6	546.0	575.8	615.4	680.0	719.2	758.8	805.9	853.7	908.9
27.5°	468.4	480.5	497.0	525.5	554.9	601.3	663.7	706.8	753.7	807.5	864.9
30°	438.8	453.0	471.3	491.4	523.6	559.8	622.1	672.2	718.5	773.8	835.0
32.5°	417.3	428.5	444.1	464.6	491.3	526.0	575.8	636.6	681.7	740.0	803.9
35°	382.0	395.1	407.8	427.2	448.9	480.6	518.3	583.3	628.1	685.6	749.9
37.5°	353.0	361.0	375.0	390.4	413.2	436.9	469.6	527.9	576.4	632.8	698.6
40°	330.9	340.9	351.4	368.6	387.3	410.0	442.1	485.5	541.1	596.4	660.6
42.5°	309.4	322.1	333.2	344.7	365.1	387.9	414.1	450.8	507.6	559.9	622.4
45°	283.4	291.7	303.2	315.9	332.7	352.2	375.3	407.4	461.9	507.1	565.8
47.5°	253.3	265.3	272.8	285.2	301.2	319.7	341.2	369.0	413.2	455.5	509.9
50°	232.7	245.0	255.8	267.0	281.2	299.1	317.0	343.9	379.4	423.9	474.6
52.5°	215.0	225.9	236.4	247.6	261.5	277.9	294.9	318.5	348.9	389.8	439.1
55°	190.8	197.5	208.4	219.6	231.9	247.6	264.0	283.8	310.0	344.3	384.3
57.5°	166.0	173.8	182.4	193.7	206.1	218.2	232.9	250.9	271.5	302.6	336.8
60°	152.0	158.0	165.1	176.6	188.2	199.0	213.2	228.2	247.6	274.5	303.6
62.5°	136.5	142.1	148.6	158.7	170.0	179.9	192.3	208.2	224.6	249.1	274.6
65°	110.5	118.8	125.1	134.1	143.4	153.9	163.6	176.3	190.8	210.2	233.0
67.5°	91.6	95.8	101.7	109.9	119.4	128.4	137.6	147.5	160.1	175.1	193.2
70°	83.3	84.8	85.9	93.7	102.7	111.7	120.2	129.6	140.4	152.7	168.4
72.5°	73.4	74.9	76.3	79.7	86.9	95.8	104.7	111.7	121.9	132.1	144.8
75°	58.3	60.5	61.6	63.5	66.1	72.1	80.3	87.0	93.0	100.8	110.9
77.5°	44.4	45.6	46.8	48.8	50.4	53.2	57.8	63.9	69.5	74.0	81.0
80°	35.1	35.5	37.0	37.7	40.0	41.8	44.1	48.9	54.5	56.4	61.2
82.5°	26.4	26.8	28.0	28.8	29.8	31.4	34.2	35.5	39.9	42.3	45.4
85°	14.6	14.2	15.3	15.3	16.1	16.8	17.6	19.4	20.5	23.5	24.3
87.5°	13.4	13.6	12.6	11.3	10.1	9.4	8.7	8.3	8.2	8.4	8.9
90°	44.8	45.4	39.0	32.7	26.4	20.0	15.1	11.7	8.2	4.8	1.3
92.5°	41.3	41.2	39.7	38.2	36.7	35.2	33.2	30.7	28.2	25.6	23.1
95°	83.0	83.0	82.4	81.8	81.3	80.7	79.0	76.1	73.2	70.3	67.4
97.5°	139.5	139.5	138.4	137.3	136.2	135.1	133.3	130.8	128.3	125.7	123.2
100°	178.9	178.9	178.1	177.2	176.3	175.5	173.9	171.6	169.3	167.0	164.7
102.5°	221.7	221.5	220.4	219.3	218.2	217.1	215.6	213.8	211.9	210.1	208.2
105°	285.8	285.3	284.7	284.1	283.5	283.0	282.2	281.4	280.5	279.6	278.8
107.5°	355.8	355.5	355.5	355.5	355.5	355.5	354.9	353.6	352.4	351.1	349.8
110°	403.3	403.3	403.3	403.3	403.3	403.3	402.4	400.7	398.9	397.2	395.5



TEST NUMBER: P331798

CATALOG NUMBER: S122RDIW-S485D1240U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	451.3	452.0	452.2	452.5	452.7	452.9	452.2	450.5	448.7	447.0	445.3
115°	523.6	523.8	524.4	525.0	525.6	526.1	525.6	523.8	522.1	520.4	518.7
117.5°	594.2	594.9	596.5	598.1	599.7	601.4	601.0	598.7	596.4	594.1	591.8
120°	640.5	640.5	642.8	645.2	647.5	649.8	649.8	647.5	645.2	642.8	640.5
122.5°	689.6	690.3	691.9	693.6	695.2	696.8	696.2	693.4	690.7	687.9	685.1
125°	761.6	762.4	763.3	764.2	765.0	765.9	765.0	762.4	759.8	757.2	754.6
127.5°	831.4	832.4	833.5	834.5	835.6	836.6	835.5	832.2	828.9	825.6	822.3
130°	878.5	879.1	879.7	880.3	880.9	881.4	879.8	876.1	872.4	868.6	864.9
132.5°	925.6	926.8	926.7	926.6	926.5	926.4	924.8	921.7	918.7	915.6	912.6
135°	992.9	993.2	992.7	992.1	991.5	990.9	989.1	985.9	982.7	979.5	976.4
137.5°	1058.4	1058.6	1057.8	1057.1	1056.3	1055.6	1053.9	1051.3	1048.7	1046.1	1043.5
140°	1102.1	1102.1	1100.7	1099.3	1097.8	1096.4	1094.4	1091.8	1089.2	1086.6	1084.0
142.5°	1141.8	1141.6	1140.6	1139.6	1138.6	1137.6	1135.9	1133.3	1130.7	1128.1	1125.5
145°	1202.3	1202.0	1200.3	1198.5	1196.8	1195.1	1193.2	1191.2	1189.2	1187.2	1185.1
147.5°	1255.0	1254.4	1253.2	1252.1	1250.9	1249.8	1248.0	1245.6	1243.1	1240.7	1238.3
150°	1288.4	1287.6	1286.4	1285.3	1284.1	1283.0	1281.5	1279.8	1278.1	1276.3	1274.6
152.5°	1321.9	1320.8	1319.4	1318.0	1316.6	1315.2	1313.7	1311.9	1310.2	1308.5	1306.8
155°	1364.2	1362.8	1361.9	1361.0	1360.2	1359.3	1358.5	1357.6	1356.7	1355.9	1355.0
157.5°	1403.1	1401.2	1400.6	1400.1	1399.6	1399.1	1398.5	1398.0	1397.4	1396.8	1396.2
160°	1426.7	1425.0	1424.7	1424.4	1424.1	1423.9	1423.4	1422.9	1422.3	1421.7	1421.1
162.5°	1447.7	1445.8	1445.5	1445.2	1444.9	1444.6	1444.4	1444.3	1444.2	1444.1	1443.9
165°	1475.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.1	1473.4	1473.7	1474.0	1474.3
167.5°	1497.6	1495.5	1495.6	1495.7	1495.7	1495.8	1496.2	1497.1	1498.0	1498.8	1499.7
170°	1510.0	1508.0	1508.3	1508.6	1508.9	1509.2	1509.7	1510.6	1511.5	1512.3	1513.2
172.5°	1519.4	1517.3	1517.6	1517.9	1518.2	1518.5	1519.1	1519.9	1520.8	1521.7	1522.5
175°	1529.5	1527.4	1528.0	1528.6	1529.2	1529.8	1530.5	1531.3	1532.2	1533.1	1533.9
177.5°	1534.8	1533.4	1533.9	1534.3	1534.8	1535.3	1535.8	1536.5	1537.2	1537.9	1538.6
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



TEST NUMBER: P331798

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1081.0	1081.9	1087.9	1090.6	1096.0	1098.1	1100.4	1099.8	1099.8	1101.0	1109.4
5°	1083.3	1090.8	1102.0	1112.8	1123.3	1132.3	1138.2	1144.2	1146.4	1157.3	1167.0
7.5°	1079.5	1093.2	1111.7	1128.2	1148.0	1163.5	1176.3	1187.9	1195.8	1211.6	1227.7
10°	1074.4	1093.8	1114.7	1136.0	1163.3	1183.8	1204.7	1220.8	1226.0	1249.5	1263.0
12.5°	1064.2	1090.2	1116.8	1144.4	1171.0	1199.3	1222.3	1238.4	1256.8	1277.9	1302.7
15°	1049.0	1078.9	1113.6	1149.1	1187.2	1221.5	1246.2	1274.2	1294.3	1317.5	1339.1
17.5°	1027.1	1065.6	1109.7	1150.8	1194.8	1231.7	1265.7	1292.5	1306.7	1319.9	1323.2
20°	1009.8	1051.2	1103.1	1151.7	1195.7	1238.3	1271.9	1294.3	1298.1	1298.4	1278.6
22.5°	991.0	1037.8	1092.1	1141.8	1194.5	1241.9	1268.0	1277.6	1262.8	1237.5	1199.2
25°	956.4	1010.5	1073.6	1130.4	1187.9	1232.7	1241.7	1224.9	1173.0	1118.4	1049.4
27.5°	918.9	979.7	1047.4	1110.5	1171.8	1199.6	1180.2	1119.6	1026.1	944.9	846.4
30°	891.4	959.7	1026.2	1096.8	1153.5	1165.5	1121.1	1031.8	922.8	800.3	702.1
32.5°	860.0	931.6	1004.7	1077.7	1125.2	1113.5	1040.1	930.2	802.4	682.0	589.1
35°	815.2	889.2	967.9	1041.1	1071.4	1021.0	911.2	768.2	637.5	525.1	461.2
37.5°	763.5	844.0	925.9	993.1	991.0	906.9	757.4	609.7	499.9	433.4	387.9
40°	726.7	808.1	896.6	953.4	929.1	819.7	657.6	518.3	438.0	385.0	351.8
42.5°	691.5	773.2	861.1	906.2	864.0	729.5	568.0	458.9	392.6	351.3	324.3
45°	631.5	717.7	799.2	824.2	748.7	600.5	459.3	380.2	336.1	305.5	286.8
47.5°	572.9	657.7	732.0	732.5	630.4	487.0	387.5	329.0	291.4	267.7	254.1
50°	537.0	617.7	680.0	670.3	554.6	433.2	346.5	296.1	264.8	246.5	232.3
52.5°	496.7	574.9	628.9	601.3	490.3	381.2	309.8	267.5	241.5	225.6	212.9
55°	438.0	507.5	545.6	503.8	400.0	317.0	261.8	228.5	209.1	195.7	184.9
57.5°	380.5	437.7	461.7	413.0	329.4	262.9	221.4	196.5	177.2	167.6	162.0
60°	344.3	393.2	410.0	356.3	286.4	230.0	196.1	172.9	158.7	152.4	146.8
62.5°	308.8	348.7	355.7	306.4	249.7	201.4	172.2	152.6	143.2	137.1	131.8
65°	256.2	284.9	281.6	242.0	197.5	159.8	138.5	126.6	119.5	110.9	101.6
67.5°	210.9	228.5	217.9	188.2	150.8	124.2	110.3	101.3	92.5	84.3	82.2
70°	182.2	192.3	181.1	153.9	123.6	104.2	93.0	82.2	76.9	75.1	71.7
72.5°	154.8	158.3	146.2	122.8	100.6	86.3	75.4	69.3	66.5	64.9	62.7
75°	116.1	113.5	103.1	84.8	69.8	60.1	56.8	54.5	52.7	51.2	50.0
77.5°	81.6	77.7	68.4	56.5	48.6	44.0	42.0	40.8	39.9	39.1	38.0
80°	61.2	58.6	49.3	40.3	37.0	34.7	33.6	32.1	32.1	31.4	30.2
82.5°	44.8	41.9	33.8	29.6	27.7	26.4	25.5	24.6	24.3	24.5	23.7
85°	23.5	19.0	16.8	16.1	14.9	14.2	14.6	13.8	13.8	13.8	13.4
87.5°	8.1	7.3	7.7	8.1	9.4	10.7	11.6	12.9	14.5	14.0	14.2
90°	4.8	8.2	11.7	15.1	20.0	26.4	32.7	39.0	45.4	44.8	44.2
92.5°	25.6	28.2	30.7	33.2	35.2	36.7	38.2	39.7	41.2	41.3	41.5
95°	70.3	73.2	76.1	79.0	80.7	81.3	81.8	82.4	83.0	83.0	83.0
97.5°	125.7	128.3	130.8	133.3	135.1	136.2	137.3	138.4	139.5	139.5	139.5
100°	167.0	169.3	171.6	173.9	175.5	176.3	177.2	178.1	178.9	178.9	178.9
102.5°	210.1	211.9	213.8	215.6	217.1	218.2	219.3	220.4	221.5	221.7	221.9
105°	279.6	280.5	281.4	282.2	283.0	283.5	284.1	284.7	285.3	285.8	286.4
107.5°	351.1	352.4	353.6	354.9	355.5	355.5	355.5	355.5	355.5	355.8	356.0
110°	397.2	398.9	400.7	402.4	403.3	403.3	403.3	403.3	403.3	403.3	403.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	447.0	448.7	450.5	452.2	452.9	452.7	452.5	452.2	452.0	451.3	450.6
115°	520.4	522.1	523.8	525.6	526.1	525.6	525.0	524.4	523.8	523.6	523.3
117.5°	594.1	596.4	598.7	601.0	601.4	599.7	598.1	596.5	594.9	594.2	593.5
120°	642.8	645.2	647.5	649.8	649.8	647.5	645.2	642.8	640.5	640.5	640.5
122.5°	687.9	690.7	693.4	696.2	696.8	695.2	693.6	691.9	690.3	689.6	689.0
125°	757.2	759.8	762.4	765.0	765.9	765.0	764.2	763.3	762.4	761.6	760.7
127.5°	825.6	828.9	832.2	835.5	836.6	835.6	834.5	833.5	832.4	831.4	830.4
130°	868.6	872.4	876.1	879.8	881.4	880.9	880.3	879.7	879.1	878.5	878.0
132.5°	915.6	918.7	921.7	924.8	926.4	926.5	926.6	926.7	926.8	925.6	924.3
135°	979.5	982.7	985.9	989.1	990.9	991.5	992.1	992.7	993.2	992.9	992.7
137.5°	1046.1	1048.7	1051.3	1053.9	1055.6	1056.3	1057.1	1057.8	1058.6	1058.4	1058.1
140°	1086.6	1089.2	1091.8	1094.4	1096.4	1097.8	1099.3	1100.7	1102.1	1102.1	1102.1
142.5°	1128.1	1130.7	1133.3	1135.9	1137.6	1138.6	1139.6	1140.6	1141.6	1141.8	1142.0
145°	1187.2	1189.2	1191.2	1193.2	1195.1	1196.8	1198.5	1200.3	1202.0	1202.3	1202.6
147.5°	1240.7	1243.1	1245.6	1248.0	1249.8	1250.9	1252.1	1253.2	1254.4	1255.0	1255.6
150°	1276.3	1278.1	1279.8	1281.5	1283.0	1284.1	1285.3	1286.4	1287.6	1288.4	1289.3
152.5°	1308.5	1310.2	1311.9	1313.7	1315.2	1316.6	1318.0	1319.4	1320.8	1321.9	1323.0
155°	1355.9	1356.7	1357.6	1358.5	1359.3	1360.2	1361.0	1361.9	1362.8	1364.2	1365.7
157.5°	1396.8	1397.4	1398.0	1398.5	1399.1	1399.6	1400.1	1400.6	1401.2	1403.1	1405.1
160°	1421.7	1422.3	1422.9	1423.4	1423.9	1424.1	1424.4	1424.7	1425.0	1426.7	1428.5
162.5°	1444.1	1444.2	1444.3	1444.4	1444.6	1444.9	1445.2	1445.5	1445.8	1447.7	1449.7
165°	1474.0	1473.7	1473.4	1473.1	1473.0	1473.0	1473.0	1473.0	1473.0	1475.0	1477.0
167.5°	1498.8	1498.0	1497.1	1496.2	1495.8	1495.7	1495.7	1495.6	1495.5	1497.6	1499.6
170°	1512.3	1511.5	1510.6	1509.7	1509.2	1508.9	1508.6	1508.3	1508.0	1510.0	1512.0
172.5°	1521.7	1520.8	1519.9	1519.1	1518.5	1518.2	1517.9	1517.6	1517.3	1519.4	1521.4
175°	1533.1	1532.2	1531.3	1530.5	1529.8	1529.2	1528.6	1528.0	1527.4	1529.5	1531.5
177.5°	1537.9	1537.2	1536.5	1535.8	1535.3	1534.8	1534.3	1533.9	1533.4	1534.8	1536.2
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1112.4	1116.3	1118.1	1118.1	1120.2	1119.3	1118.4
5°	1176.3	1183.4	1184.9	1191.6	1196.5	1195.0	1195.7
7.5°	1239.9	1251.3	1262.6	1267.7	1268.6	1271.6	1272.7
10°	1279.0	1288.4	1305.9	1303.3	1316.4	1323.8	1311.5
12.5°	1316.7	1329.3	1341.5	1344.8	1352.2	1354.6	1349.7
15°	1350.7	1357.4	1358.2	1356.3	1358.6	1356.7	1349.6
17.5°	1318.9	1308.0	1285.9	1275.4	1267.1	1254.9	1250.0
20°	1266.3	1234.2	1196.9	1181.9	1164.4	1130.0	1138.2
22.5°	1152.8	1116.2	1078.9	1035.2	1014.4	981.8	979.9
25°	976.2	913.1	843.6	795.0	766.7	734.2	720.0
27.5°	759.0	679.5	622.6	593.8	567.5	541.8	540.7
30°	616.2	556.4	512.4	487.7	471.7	460.8	463.1
32.5°	519.4	478.4	448.7	428.3	416.4	408.2	408.1
35°	424.6	396.6	377.5	369.0	360.4	354.4	354.8
37.5°	363.4	346.5	335.9	326.5	321.1	318.2	316.5
40°	332.0	318.2	310.0	304.4	299.9	295.8	295.0
42.5°	307.2	295.8	287.5	283.1	279.0	276.0	275.3
45°	272.6	263.3	255.8	250.9	249.1	246.5	246.5
47.5°	242.5	233.3	227.5	224.4	221.2	219.5	219.4
50°	222.2	215.1	209.9	208.0	205.4	204.3	203.9
52.5°	204.0	198.7	194.9	193.7	192.5	191.1	191.3
55°	179.2	176.3	174.8	173.6	171.8	169.5	171.0
57.5°	158.4	155.9	151.8	148.3	146.6	145.0	145.6
60°	143.8	138.5	133.3	129.2	128.1	124.7	124.7
62.5°	125.3	117.9	111.5	109.2	108.1	106.5	106.2
65°	96.3	93.4	91.9	90.4	89.6	89.6	88.9
67.5°	79.8	78.6	77.0	76.6	75.9	75.7	75.4
70°	70.6	69.1	68.3	68.0	67.2	67.6	66.5
72.5°	61.6	60.4	60.3	59.3	58.9	58.9	58.1
75°	48.5	48.5	48.2	47.8	47.1	46.7	47.1
77.5°	37.3	37.4	36.7	36.7	36.6	36.7	36.3
80°	29.9	30.2	29.9	29.5	29.1	29.5	29.1
82.5°	23.6	23.1	23.0	22.9	22.9	22.6	22.6
85°	13.4	13.8	13.4	13.1	13.1	13.1	13.4
87.5°	13.8	13.7	13.7	13.7	13.8	13.8	13.6
90°	43.7	43.1	42.9	43.2	43.5	43.8	44.1
92.5°	41.6	41.7	41.8	41.8	41.9	42.0	42.0
95°	83.0	83.0	82.7	82.1	81.5	81.0	80.4
97.5°	139.5	139.5	139.5	139.4	139.4	139.3	139.3
100°	178.9	178.9	178.8	178.5	178.2	177.9	177.6
102.5°	222.2	222.4	222.4	222.1	221.8	221.5	221.2
105°	287.0	287.6	287.9	287.9	287.9	287.9	287.9
107.5°	356.2	356.5	355.9	354.6	353.3	351.9	350.6
110°	403.3	403.3	402.8	402.0	401.1	400.2	399.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	449.9	449.2	448.6	447.9	447.3	446.7	446.0
115°	523.0	522.7	522.1	521.3	520.4	519.5	518.7
117.5°	592.8	592.1	591.4	590.5	589.6	588.8	587.9
120°	640.5	640.5	640.1	639.2	638.4	637.5	636.7
122.5°	688.3	687.6	686.9	686.3	685.6	685.0	684.4
125°	759.8	759.0	758.4	758.1	757.8	757.5	757.2
127.5°	829.3	828.3	827.3	826.4	825.5	824.6	823.6
130°	877.4	876.8	876.0	874.8	873.7	872.5	871.3
132.5°	923.0	921.8	920.7	919.8	918.8	917.9	917.0
135°	992.4	992.1	991.5	990.6	989.8	988.9	988.0
137.5°	1057.9	1057.7	1057.0	1055.8	1054.7	1053.5	1052.4
140°	1102.1	1102.1	1101.6	1100.4	1099.3	1098.1	1097.0
142.5°	1142.3	1142.5	1142.0	1140.9	1139.7	1138.6	1137.4
145°	1202.9	1203.1	1202.7	1201.6	1200.4	1199.3	1198.1
147.5°	1256.3	1256.9	1256.7	1255.6	1254.5	1253.4	1252.3
150°	1290.2	1291.0	1291.0	1290.2	1289.3	1288.4	1287.6
152.5°	1324.0	1325.1	1325.1	1324.0	1323.0	1321.9	1320.8
155°	1367.1	1368.5	1368.8	1368.0	1367.1	1366.2	1365.4
157.5°	1407.0	1409.0	1409.3	1407.9	1406.5	1405.1	1403.7
160°	1430.2	1431.9	1432.2	1431.1	1429.9	1428.8	1427.6
162.5°	1451.6	1453.6	1453.9	1452.5	1451.1	1449.7	1448.4
165°	1479.0	1481.1	1481.3	1479.9	1478.5	1477.0	1475.6
167.5°	1501.6	1503.6	1503.9	1502.4	1500.9	1499.4	1497.9
170°	1514.0	1516.1	1516.2	1514.5	1512.8	1511.0	1509.3
172.5°	1523.4	1525.4	1525.5	1523.8	1522.1	1520.4	1518.6
175°	1533.5	1535.5	1535.7	1533.9	1532.2	1530.5	1528.7
177.5°	1537.6	1538.9	1538.9	1537.6	1536.2	1534.8	1533.4
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5

(END OF REPORT)