

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: P331663

Luminaire Tested: **S122RDIP-S485D925U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331663  
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: S122RDIP-S485D925U835-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5559.3 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

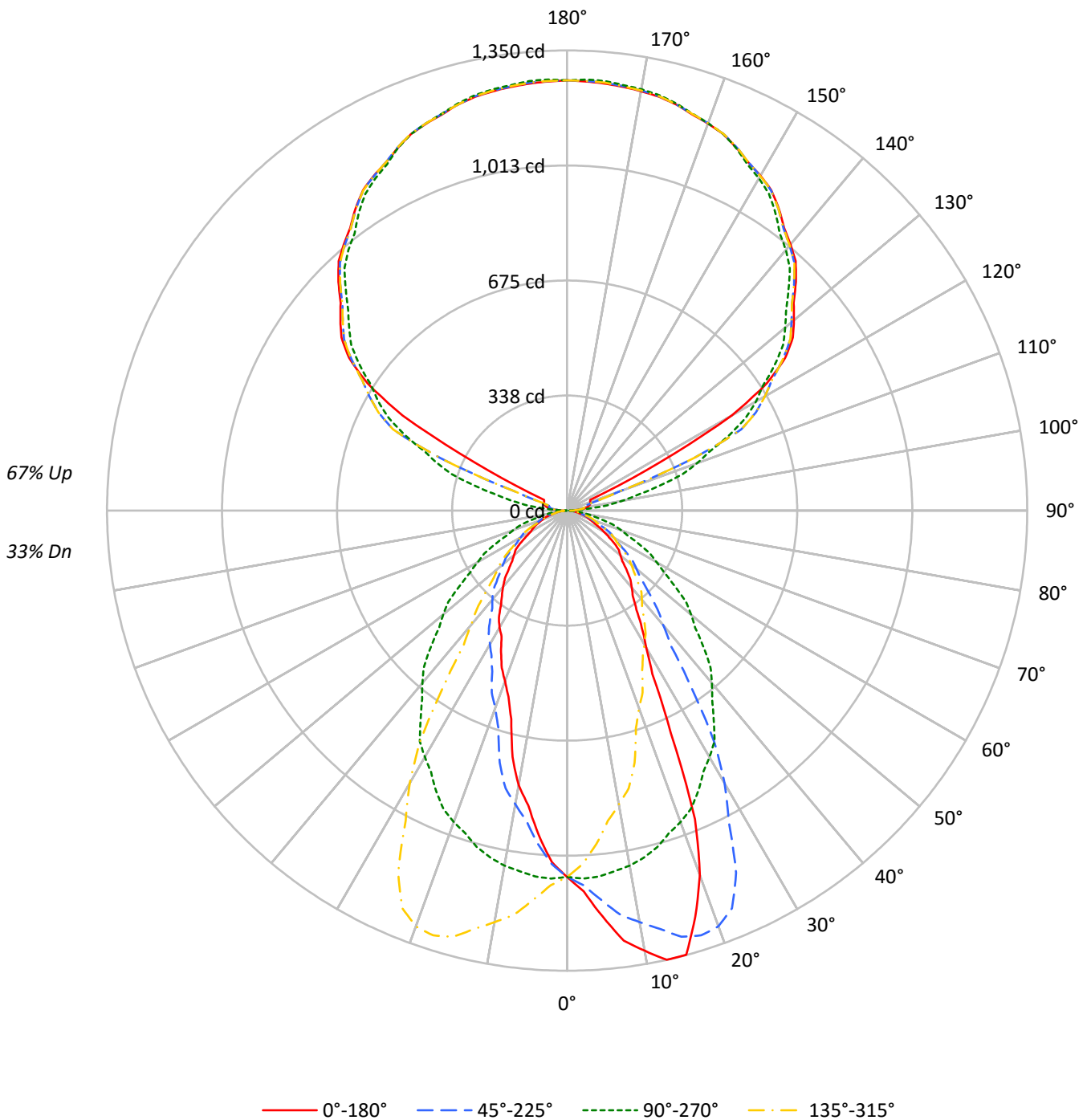
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	95	91	87	84	85	82	79	76	66	64	62	51	49	48	37	36	35	29
2	87	80	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25
3	79	70	64	58	71	64	58	54	52	48	44	40	38	35	30	28	27	22
4	73	63	55	50	66	57	51	46	46	42	38	36	33	31	27	25	24	20
5	67	56	48	43	60	51	45	40	42	37	33	33	30	27	25	23	21	17
6	62	50	43	37	56	46	39	35	38	33	29	30	27	24	23	20	19	16
7	57	46	38	33	52	42	35	31	34	29	26	27	24	21	21	19	17	14
8	53	42	34	29	48	38	32	27	31	27	23	25	22	19	19	17	15	13
9	50	38	31	26	45	35	29	24	29	24	21	23	20	17	18	16	14	12
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	14	13	11

**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	1.8
10°-20°	283.9	5.1
20°-30°	365.8	6.6
30°-40°	347.6	6.3
40°-50°	297.8	5.4
50°-60°	226.8	4.1
60°-70°	143.4	2.6
70°-80°	71.6	1.3
80°-90°	21.7	0.4
90°-100°	42.1	0.8
100°-110°	154.4	2.8
110°-120°	412.7	7.4
120°-130°	681.3	12.3
130°-140°	724.5	13.0
140°-150°	673.4	12.1
150°-160°	541.4	9.7
160°-170°	348.9	6.3
170°-180°	120.1	2.2
0°-30°	751.6	13.5
0°-40°	1099.2	19.8
0°-60°	1623.8	29.2
0°-90°	1860.5	33.5
90°-120°	609.2	11.0
90°-150°	2688.4	48.4
90°-180°	3699.0	66.5
0°-180°	5559.3	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	15
90°	25	1	25	1	25	11
95°	39	59	39	59	39	37
105°	69	278	69	278	69	72
115°	75	525	75	525	75	188
125°	781	742	781	742	781	676
135°	949	919	949	919	949	731
145°	1082	1066	1082	1066	1082	677
155°	1174	1174	1174	1174	1174	542
165°	1234	1237	1234	1237	1234	348
175°	1258	1265	1258	1265	1258	120
180°	1262	1262	1262	1262	1262	



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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°	9.7	9.9	9.8	9.8	9.7	9.5	9.3	9.4	8.9	9.0	8.4
90°	24.7	24.3	23.8	23.4	23.0	22.3	21.3	20.3	19.3	18.3	16.6
92.5°	24.7	24.4	24.2	23.9	23.7	23.3	22.8	22.2	21.7	21.2	20.4
95°	39.3	39.5	39.7	39.9	40.1	39.7	38.7	37.6	36.6	35.6	34.2
97.5°	52.4	52.2	51.9	51.7	51.4	50.9	50.1	49.3	48.5	47.7	44.4
100°	61.2	60.8	60.4	60.0	59.6	58.6	56.9	55.3	53.7	52.1	48.6
102.5°	65.6	65.0	64.4	63.9	63.3	62.0	59.9	57.7	55.6	53.5	48.4
105°	69.4	68.6	67.8	67.0	66.2	64.6	62.4	60.2	57.9	55.7	48.6
107.5°	71.4	70.6	69.8	69.0	68.2	68.9	71.2	73.4	75.7	78.0	144.4
110°	72.2	71.3	70.5	69.7	68.9	78.6	98.9	119.2	139.5	159.8	218.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	72.9	72.2	71.6	70.9	70.3	107.0	181.0	255.1	329.1	403.1	417.6
115°	74.9	89.5	104.1	118.7	133.3	187.6	281.6	375.6	469.5	563.5	558.4
117.5°	305.8	353.8	401.8	449.8	497.8	533.2	556.0	578.7	601.4	624.1	620.7
120°	557.1	584.5	611.9	639.3	666.7	679.2	676.8	674.3	671.9	669.4	665.8
122.5°	695.2	700.5	705.8	711.2	716.5	718.4	716.9	715.5	714.0	712.6	708.6
125°	780.9	780.3	779.6	779.0	778.4	777.4	776.0	774.6	773.2	771.7	767.9
127.5°	834.9	834.8	834.7	834.6	834.4	833.4	831.3	829.2	827.1	825.1	822.2
130°	868.5	868.7	868.9	869.2	869.4	868.3	866.1	863.9	861.6	859.4	857.2
132.5°	901.4	901.6	901.8	902.0	902.2	901.4	899.5	897.6	895.7	893.7	891.5
135°	948.9	949.3	949.7	950.1	950.5	949.7	947.7	945.7	943.6	941.6	939.8
137.5°	992.2	992.9	993.6	994.3	995.0	994.3	992.3	990.3	988.3	986.4	984.3
140°	1019.2	1020.3	1021.3	1022.3	1023.3	1022.9	1021.1	1019.2	1017.4	1015.6	1013.4
142.5°	1045.5	1046.6	1047.6	1048.6	1049.6	1049.3	1047.6	1045.9	1044.3	1042.6	1040.1
145°	1082.3	1083.3	1084.3	1085.3	1086.3	1086.1	1084.7	1083.3	1081.8	1080.4	1077.0
147.5°	1114.6	1115.4	1116.3	1117.1	1118.0	1117.9	1116.8	1115.8	1114.7	1113.7	1110.3
150°	1134.3	1135.3	1136.3	1137.4	1138.4	1138.3	1137.1	1135.8	1134.6	1133.4	1130.2
152.5°	1151.1	1152.5	1153.8	1155.1	1156.5	1156.5	1155.3	1154.1	1152.9	1151.7	1148.6
155°	1174.5	1176.1	1177.7	1179.4	1181.0	1181.2	1180.0	1178.8	1177.5	1176.3	1173.9
157.5°	1195.9	1197.4	1199.0	1200.6	1202.2	1202.3	1200.9	1199.5	1198.2	1196.8	1195.1
160°	1208.3	1209.7	1211.1	1212.5	1214.0	1214.1	1212.9	1211.6	1210.4	1209.2	1208.0
162.5°	1218.5	1220.3	1222.0	1223.8	1225.5	1225.7	1224.3	1222.9	1221.5	1220.2	1219.1
165°	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5	1238.1	1236.7	1235.3	1233.9	1233.3
167.5°	1243.5	1245.4	1247.2	1249.0	1250.8	1251.1	1249.6	1248.2	1246.8	1245.4	1244.8
170°	1249.4	1251.2	1253.0	1254.9	1256.7	1256.9	1255.5	1254.1	1252.6	1251.2	1250.8
172.5°	1253.8	1255.6	1257.4	1259.2	1261.1	1261.3	1259.9	1258.4	1257.0	1255.6	1255.2
175°	1257.6	1259.6	1261.7	1263.7	1265.7	1266.0	1264.6	1263.2	1261.8	1260.3	1259.9
177.5°	1260.0	1261.4	1262.9	1264.4	1265.8	1266.0	1264.9	1263.7	1262.6	1261.4	1261.3
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



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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°	8.1	8.1	7.7	7.0	6.9	6.8	7.8	8.8	8.1	7.6	7.5
90°	15.0	13.4	11.8	9.8	7.6	5.4	3.1	0.9	3.1	5.4	7.6
92.5°	19.6	18.8	17.9	17.6	17.8	18.0	18.2	18.4	18.2	18.0	17.8
95°	32.8	31.4	29.9	32.6	39.3	46.0	52.7	59.4	52.7	46.0	39.3
97.5°	41.1	37.8	34.5	42.3	61.2	80.1	98.9	117.8	98.9	80.1	61.2
100°	45.2	41.7	38.3	50.4	78.2	106.0	133.8	161.7	133.8	106.0	78.2
102.5°	111.2	140.1	169.0	186.3	192.2	198.1	204.0	209.9	204.0	198.1	192.2
105°	166.5	221.9	277.3	302.0	295.9	289.8	283.7	277.6	283.7	289.8	295.9
107.5°	210.9	277.3	343.8	374.6	369.6	364.7	359.8	354.9	359.8	364.7	369.6
110°	277.1	335.8	394.4	421.6	417.4	413.1	408.9	404.6	408.9	413.1	417.4





TEST NUMBER: P331663

CATALOG NUMBER: S122RDIP-S485D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	432.1	446.6	461.1	466.4	462.7	458.9	455.1	451.3	455.1	458.9	462.7
115°	553.4	548.3	543.2	538.9	535.5	532.0	528.6	525.1	528.6	532.0	535.5
117.5°	617.2	613.7	610.2	606.5	602.7	598.8	594.9	591.1	594.9	598.8	602.7
120°	662.1	658.5	654.8	651.5	648.4	645.4	642.3	639.3	642.3	645.4	648.4
122.5°	704.6	700.6	696.6	693.0	689.8	686.6	683.4	680.2	683.4	686.6	689.8
125°	764.0	760.2	756.3	753.1	750.4	747.8	745.1	742.5	745.1	747.8	750.4
127.5°	819.3	816.4	813.5	810.6	807.7	804.8	801.9	798.9	801.9	804.8	807.7
130°	854.9	852.7	850.5	847.7	844.5	841.2	838.0	834.8	838.0	841.2	844.5
132.5°	889.3	887.1	884.8	882.3	879.6	876.8	874.0	871.3	874.0	876.8	879.6
135°	938.0	936.1	934.3	931.8	928.5	925.3	922.0	918.8	922.0	925.3	928.5
137.5°	982.2	980.1	978.1	975.9	973.6	971.4	969.1	966.8	969.1	971.4	973.6
140°	1011.1	1008.9	1006.7	1004.7	1003.1	1001.5	999.9	998.2	999.9	1001.5	1003.1
142.5°	1037.5	1034.9	1032.4	1030.4	1028.9	1027.5	1026.0	1024.5	1026.0	1027.5	1028.9
145°	1073.5	1070.1	1066.6	1065.0	1065.2	1065.4	1065.6	1065.8	1065.6	1065.4	1065.2
147.5°	1106.9	1103.4	1100.0	1098.7	1099.5	1100.3	1101.0	1101.8	1101.0	1100.3	1099.5
150°	1126.9	1123.7	1120.4	1119.5	1120.9	1122.3	1123.8	1125.2	1123.8	1122.3	1120.9
152.5°	1145.5	1142.4	1139.3	1138.6	1140.2	1141.7	1143.3	1144.9	1143.3	1141.7	1140.2
155°	1171.5	1169.0	1166.6	1166.3	1168.1	1169.9	1171.8	1173.6	1171.8	1169.9	1168.1
157.5°	1193.4	1191.7	1190.0	1189.9	1191.4	1193.0	1194.5	1196.0	1194.5	1193.0	1191.4
160°	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1208.0	1206.8	1205.5
162.5°	1218.0	1217.0	1215.9	1216.0	1217.2	1218.5	1219.7	1220.9	1219.7	1218.5	1217.2
165°	1232.6	1232.0	1231.4	1231.7	1232.9	1234.2	1235.4	1236.6	1235.4	1234.2	1232.9
167.5°	1244.2	1243.7	1243.1	1243.4	1244.6	1245.9	1247.1	1248.3	1247.1	1245.9	1244.6
170°	1250.4	1250.0	1249.6	1250.0	1251.2	1252.4	1253.6	1254.9	1253.6	1252.4	1251.2
172.5°	1254.8	1254.4	1254.0	1254.4	1255.6	1256.8	1258.0	1259.2	1258.0	1256.8	1255.6
175°	1259.5	1259.1	1258.7	1259.2	1260.6	1262.1	1263.5	1264.9	1263.5	1262.1	1260.6
177.5°	1261.1	1261.0	1260.8	1261.3	1262.4	1263.6	1264.7	1265.8	1264.7	1263.6	1262.4
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331663

CATALOG NUMBER: S122RDIP-S485D925U835-4F0-1E-UDD-A

**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°	7.6	7.7	7.5	7.8	8.1	8.1	8.3	8.2	8.4	8.6	8.5
90°	9.8	11.8	13.4	15.0	16.6	18.3	19.3	20.3	21.3	22.3	23.0
92.5°	17.6	17.9	18.8	19.6	20.4	21.2	21.7	22.2	22.8	23.3	23.7
95°	32.6	29.9	31.4	32.8	34.2	35.6	36.6	37.6	38.7	39.7	40.1
97.5°	42.3	34.5	37.8	41.1	44.4	47.7	48.5	49.3	50.1	50.9	51.4
100°	50.4	38.3	41.7	45.2	48.6	52.1	53.7	55.3	56.9	58.6	59.6
102.5°	186.3	169.0	140.1	111.2	82.4	53.5	55.6	57.7	59.9	62.0	63.3
105°	302.0	277.3	221.9	166.5	111.1	55.7	57.9	60.2	62.4	64.6	66.2
107.5°	374.6	343.8	277.3	210.9	144.4	78.0	75.7	73.4	71.2	68.9	68.2
110°	421.6	394.4	335.8	277.1	218.5	159.8	139.5	119.2	98.9	78.6	68.9



TEST NUMBER: P331663

CATALOG NUMBER: S122RDIP-S485D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	466.4	461.1	446.6	432.1	417.6	403.1	329.1	255.1	181.0	107.0	70.3
115°	538.9	543.2	548.3	553.4	558.4	563.5	469.5	375.6	281.6	187.6	133.3
117.5°	606.5	610.2	613.7	617.2	620.7	624.1	601.4	578.7	556.0	533.2	497.8
120°	651.5	654.8	658.5	662.1	665.8	669.4	671.9	674.3	676.8	679.2	666.7
122.5°	693.0	696.6	700.6	704.6	708.6	712.6	714.0	715.5	716.9	718.4	716.5
125°	753.1	756.3	760.2	764.0	767.9	771.7	773.2	774.6	776.0	777.4	778.4
127.5°	810.6	813.5	816.4	819.3	822.2	825.1	827.1	829.2	831.3	833.4	834.4
130°	847.7	850.5	852.7	854.9	857.2	859.4	861.6	863.9	866.1	868.3	869.4
132.5°	882.3	884.8	887.1	889.3	891.5	893.7	895.7	897.6	899.5	901.4	902.2
135°	931.8	934.3	936.1	938.0	939.8	941.6	943.6	945.7	947.7	949.7	950.5
137.5°	975.9	978.1	980.1	982.2	984.3	986.4	988.3	990.3	992.3	994.3	995.0
140°	1004.7	1006.7	1008.9	1011.1	1013.4	1015.6	1017.4	1019.2	1021.1	1022.9	1023.3
142.5°	1030.4	1032.4	1034.9	1037.5	1040.1	1042.6	1044.3	1045.9	1047.6	1049.3	1049.6
145°	1065.0	1066.6	1070.1	1073.5	1077.0	1080.4	1081.8	1083.3	1084.7	1086.1	1086.3
147.5°	1098.7	1100.0	1103.4	1106.9	1110.3	1113.7	1114.7	1115.8	1116.8	1117.9	1118.0
150°	1119.5	1120.4	1123.7	1126.9	1130.2	1133.4	1134.6	1135.8	1137.1	1138.3	1138.4
152.5°	1138.6	1139.3	1142.4	1145.5	1148.6	1151.7	1152.9	1154.1	1155.3	1156.5	1156.5
155°	1166.3	1166.6	1169.0	1171.5	1173.9	1176.3	1177.5	1178.8	1180.0	1181.2	1181.0
157.5°	1189.9	1190.0	1191.7	1193.4	1195.1	1196.8	1198.2	1199.5	1200.9	1202.3	1202.2
160°	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1210.4	1211.6	1212.9	1214.1	1214.0
162.5°	1216.0	1215.9	1217.0	1218.0	1219.1	1220.2	1221.5	1222.9	1224.3	1225.7	1225.5
165°	1231.7	1231.4	1232.0	1232.6	1233.3	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5
167.5°	1243.4	1243.1	1243.7	1244.2	1244.8	1245.4	1246.8	1248.2	1249.6	1251.1	1250.8
170°	1250.0	1249.6	1250.0	1250.4	1250.8	1251.2	1252.6	1254.1	1255.5	1256.9	1256.7
172.5°	1254.4	1254.0	1254.4	1254.8	1255.2	1255.6	1257.0	1258.4	1259.9	1261.3	1261.1
175°	1259.2	1258.7	1259.1	1259.5	1259.9	1260.3	1261.8	1263.2	1264.6	1266.0	1265.7
177.5°	1261.3	1260.8	1261.0	1261.1	1261.3	1261.4	1262.6	1263.7	1264.9	1266.0	1265.8
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331663

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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°	8.6	8.4	8.7	8.5	8.7	8.4	8.6	8.5	8.6	8.4	8.2
90°	23.4	23.8	24.3	24.7	24.3	23.8	23.4	23.0	22.3	21.3	20.3
92.5°	23.9	24.2	24.4	24.7	24.4	24.2	23.9	23.7	23.3	22.8	22.2
95°	39.9	39.7	39.5	39.3	39.5	39.7	39.9	40.1	39.7	38.7	37.6
97.5°	51.7	51.9	52.2	52.4	52.2	51.9	51.7	51.4	50.9	50.1	49.3
100°	60.0	60.4	60.8	61.2	60.8	60.4	60.0	59.6	58.6	56.9	55.3
102.5°	63.9	64.4	65.0	65.6	65.0	64.4	63.9	63.3	62.0	59.9	57.7
105°	67.0	67.8	68.6	69.4	68.6	67.8	67.0	66.2	64.6	62.4	60.2
107.5°	69.0	69.8	70.6	71.4	70.6	69.8	69.0	68.2	68.9	71.2	73.4
110°	69.7	70.5	71.3	72.2	71.3	70.5	69.7	68.9	78.6	98.9	119.2



TEST NUMBER: P331663

CATALOG NUMBER: S122RDIP-S485D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	70.9	71.6	72.2	72.9	72.2	71.6	70.9	70.3	107.0	181.0	255.1
115°	118.7	104.1	89.5	74.9	89.5	104.1	118.7	133.3	187.6	281.6	375.6
117.5°	449.8	401.8	353.8	305.8	353.8	401.8	449.8	497.8	533.2	556.0	578.7
120°	639.3	611.9	584.5	557.1	584.5	611.9	639.3	666.7	679.2	676.8	674.3
122.5°	711.2	705.8	700.5	695.2	700.5	705.8	711.2	716.5	718.4	716.9	715.5
125°	779.0	779.6	780.3	780.9	780.3	779.6	779.0	778.4	777.4	776.0	774.6
127.5°	834.6	834.7	834.8	834.9	834.8	834.7	834.6	834.4	833.4	831.3	829.2
130°	869.2	868.9	868.7	868.5	868.7	868.9	869.2	869.4	868.3	866.1	863.9
132.5°	902.0	901.8	901.6	901.4	901.6	901.8	902.0	902.2	901.4	899.5	897.6
135°	950.1	949.7	949.3	948.9	949.3	949.7	950.1	950.5	949.7	947.7	945.7
137.5°	994.3	993.6	992.9	992.2	992.9	993.6	994.3	995.0	994.3	992.3	990.3
140°	1022.3	1021.3	1020.3	1019.2	1020.3	1021.3	1022.3	1023.3	1022.9	1021.1	1019.2
142.5°	1048.6	1047.6	1046.6	1045.5	1046.6	1047.6	1048.6	1049.6	1049.3	1047.6	1045.9
145°	1085.3	1084.3	1083.3	1082.3	1083.3	1084.3	1085.3	1086.3	1086.1	1084.7	1083.3
147.5°	1117.1	1116.3	1115.4	1114.6	1115.4	1116.3	1117.1	1118.0	1117.9	1116.8	1115.8
150°	1137.4	1136.3	1135.3	1134.3	1135.3	1136.3	1137.4	1138.4	1138.3	1137.1	1135.8
152.5°	1155.1	1153.8	1152.5	1151.1	1152.5	1153.8	1155.1	1156.5	1156.5	1155.3	1154.1
155°	1179.4	1177.7	1176.1	1174.5	1176.1	1177.7	1179.4	1181.0	1181.2	1180.0	1178.8
157.5°	1200.6	1199.0	1197.4	1195.9	1197.4	1199.0	1200.6	1202.2	1202.3	1200.9	1199.5
160°	1212.5	1211.1	1209.7	1208.3	1209.7	1211.1	1212.5	1214.0	1214.1	1212.9	1211.6
162.5°	1223.8	1222.0	1220.3	1218.5	1220.3	1222.0	1223.8	1225.5	1225.7	1224.3	1222.9
165°	1238.1	1236.7	1235.3	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5	1238.1	1236.7
167.5°	1249.0	1247.2	1245.4	1243.5	1245.4	1247.2	1249.0	1250.8	1251.1	1249.6	1248.2
170°	1254.9	1253.0	1251.2	1249.4	1251.2	1253.0	1254.9	1256.7	1256.9	1255.5	1254.1
172.5°	1259.2	1257.4	1255.6	1253.8	1255.6	1257.4	1259.2	1261.1	1261.3	1259.9	1258.4
175°	1263.7	1261.7	1259.6	1257.6	1259.6	1261.7	1263.7	1265.7	1266.0	1264.6	1263.2
177.5°	1264.4	1262.9	1261.4	1260.0	1261.4	1262.9	1264.4	1265.8	1266.0	1264.9	1263.7
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331663

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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°	8.3	8.1	8.1	7.8	7.5	7.7	7.6	7.5	7.6	8.1	8.8
90°	19.3	18.3	16.6	15.0	13.4	11.8	9.8	7.6	5.4	3.1	0.9
92.5°	21.7	21.2	20.4	19.6	18.8	17.9	17.6	17.8	18.0	18.2	18.4
95°	36.6	35.6	34.2	32.8	31.4	29.9	32.6	39.3	46.0	52.7	59.4
97.5°	48.5	47.7	44.4	41.1	37.8	34.5	42.3	61.2	80.1	98.9	117.8
100°	53.7	52.1	48.6	45.2	41.7	38.3	50.4	78.2	106.0	133.8	161.7
102.5°	55.6	53.5	82.4	111.2	140.1	169.0	186.3	192.2	198.1	204.0	209.9
105°	57.9	55.7	111.1	166.5	221.9	277.3	302.0	295.9	289.8	283.7	277.6
107.5°	75.7	78.0	144.4	210.9	277.3	343.8	374.6	369.6	364.7	359.8	354.9
110°	139.5	159.8	218.5	277.1	335.8	394.4	421.6	417.4	413.1	408.9	404.6



TEST NUMBER: P331663

CATALOG NUMBER: S122RDIP-S485D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	329.1	403.1	417.6	432.1	446.6	461.1	466.4	462.7	458.9	455.1	451.3
115°	469.5	563.5	558.4	553.4	548.3	543.2	538.9	535.5	532.0	528.6	525.1
117.5°	601.4	624.1	620.7	617.2	613.7	610.2	606.5	602.7	598.8	594.9	591.1
120°	671.9	669.4	665.8	662.1	658.5	654.8	651.5	648.4	645.4	642.3	639.3
122.5°	714.0	712.6	708.6	704.6	700.6	696.6	693.0	689.8	686.6	683.4	680.2
125°	773.2	771.7	767.9	764.0	760.2	756.3	753.1	750.4	747.8	745.1	742.5
127.5°	827.1	825.1	822.2	819.3	816.4	813.5	810.6	807.7	804.8	801.9	798.9
130°	861.6	859.4	857.2	854.9	852.7	850.5	847.7	844.5	841.2	838.0	834.8
132.5°	895.7	893.7	891.5	889.3	887.1	884.8	882.3	879.6	876.8	874.0	871.3
135°	943.6	941.6	939.8	938.0	936.1	934.3	931.8	928.5	925.3	922.0	918.8
137.5°	988.3	986.4	984.3	982.2	980.1	978.1	975.9	973.6	971.4	969.1	966.8
140°	1017.4	1015.6	1013.4	1011.1	1008.9	1006.7	1004.7	1003.1	1001.5	999.9	998.2
142.5°	1044.3	1042.6	1040.1	1037.5	1034.9	1032.4	1030.4	1028.9	1027.5	1026.0	1024.5
145°	1081.8	1080.4	1077.0	1073.5	1070.1	1066.6	1065.0	1065.2	1065.4	1065.6	1065.8
147.5°	1114.7	1113.7	1110.3	1106.9	1103.4	1100.0	1098.7	1099.5	1100.3	1101.0	1101.8
150°	1134.6	1133.4	1130.2	1126.9	1123.7	1120.4	1119.5	1120.9	1122.3	1123.8	1125.2
152.5°	1152.9	1151.7	1148.6	1145.5	1142.4	1139.3	1138.6	1140.2	1141.7	1143.3	1144.9
155°	1177.5	1176.3	1173.9	1171.5	1169.0	1166.6	1166.3	1168.1	1169.9	1171.8	1173.6
157.5°	1198.2	1196.8	1195.1	1193.4	1191.7	1190.0	1189.9	1191.4	1193.0	1194.5	1196.0
160°	1210.4	1209.2	1208.0	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2
162.5°	1221.5	1220.2	1219.1	1218.0	1217.0	1215.9	1216.0	1217.2	1218.5	1219.7	1220.9
165°	1235.3	1233.9	1233.3	1232.6	1232.0	1231.4	1231.7	1232.9	1234.2	1235.4	1236.6
167.5°	1246.8	1245.4	1244.8	1244.2	1243.7	1243.1	1243.4	1244.6	1245.9	1247.1	1248.3
170°	1252.6	1251.2	1250.8	1250.4	1250.0	1249.6	1250.0	1251.2	1252.4	1253.6	1254.9
172.5°	1257.0	1255.6	1255.2	1254.8	1254.4	1254.0	1254.4	1255.6	1256.8	1258.0	1259.2
175°	1261.8	1260.3	1259.9	1259.5	1259.1	1258.7	1259.2	1260.6	1262.1	1263.5	1264.9
177.5°	1262.6	1261.4	1261.3	1261.1	1261.0	1260.8	1261.3	1262.4	1263.6	1264.7	1265.8
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331663

CATALOG NUMBER: S122RDIP-S485D925U835-4F0-1E-UDD-A

**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°	7.8	6.8	6.9	7.0	7.7	8.1	8.1	8.4	9.0	8.9	9.4
90°	3.1	5.4	7.6	9.8	11.8	13.4	15.0	16.6	18.3	19.3	20.3
92.5°	18.2	18.0	17.8	17.6	17.9	18.8	19.6	20.4	21.2	21.7	22.2
95°	52.7	46.0	39.3	32.6	29.9	31.4	32.8	34.2	35.6	36.6	37.6
97.5°	98.9	80.1	61.2	42.3	34.5	37.8	41.1	44.4	47.7	48.5	49.3
100°	133.8	106.0	78.2	50.4	38.3	41.7	45.2	48.6	52.1	53.7	55.3
102.5°	204.0	198.1	192.2	186.3	169.0	140.1	111.2	82.4	53.5	55.6	57.7
105°	283.7	289.8	295.9	302.0	277.3	221.9	166.5	111.1	55.7	57.9	60.2
107.5°	359.8	364.7	369.6	374.6	343.8	277.3	210.9	144.4	78.0	75.7	73.4
110°	408.9	413.1	417.4	421.6	394.4	335.8	277.1	218.5	159.8	139.5	119.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.1	458.9	462.7	466.4	461.1	446.6	432.1	417.6	403.1	329.1	255.1
115°	528.6	532.0	535.5	538.9	543.2	548.3	553.4	558.4	563.5	469.5	375.6
117.5°	594.9	598.8	602.7	606.5	610.2	613.7	617.2	620.7	624.1	601.4	578.7
120°	642.3	645.4	648.4	651.5	654.8	658.5	662.1	665.8	669.4	671.9	674.3
122.5°	683.4	686.6	689.8	693.0	696.6	700.6	704.6	708.6	712.6	714.0	715.5
125°	745.1	747.8	750.4	753.1	756.3	760.2	764.0	767.9	771.7	773.2	774.6
127.5°	801.9	804.8	807.7	810.6	813.5	816.4	819.3	822.2	825.1	827.1	829.2
130°	838.0	841.2	844.5	847.7	850.5	852.7	854.9	857.2	859.4	861.6	863.9
132.5°	874.0	876.8	879.6	882.3	884.8	887.1	889.3	891.5	893.7	895.7	897.6
135°	922.0	925.3	928.5	931.8	934.3	936.1	938.0	939.8	941.6	943.6	945.7
137.5°	969.1	971.4	973.6	975.9	978.1	980.1	982.2	984.3	986.4	988.3	990.3
140°	999.9	1001.5	1003.1	1004.7	1006.7	1008.9	1011.1	1013.4	1015.6	1017.4	1019.2
142.5°	1026.0	1027.5	1028.9	1030.4	1032.4	1034.9	1037.5	1040.1	1042.6	1044.3	1045.9
145°	1065.6	1065.4	1065.2	1065.0	1066.6	1070.1	1073.5	1077.0	1080.4	1081.8	1083.3
147.5°	1101.0	1100.3	1099.5	1098.7	1100.0	1103.4	1106.9	1110.3	1113.7	1114.7	1115.8
150°	1123.8	1122.3	1120.9	1119.5	1120.4	1123.7	1126.9	1130.2	1133.4	1134.6	1135.8
152.5°	1143.3	1141.7	1140.2	1138.6	1139.3	1142.4	1145.5	1148.6	1151.7	1152.9	1154.1
155°	1171.8	1169.9	1168.1	1166.3	1166.6	1169.0	1171.5	1173.9	1176.3	1177.5	1178.8
157.5°	1194.5	1193.0	1191.4	1189.9	1190.0	1191.7	1193.4	1195.1	1196.8	1198.2	1199.5
160°	1208.0	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1210.4	1211.6
162.5°	1219.7	1218.5	1217.2	1216.0	1215.9	1217.0	1218.0	1219.1	1220.2	1221.5	1222.9
165°	1235.4	1234.2	1232.9	1231.7	1231.4	1232.0	1232.6	1233.3	1233.9	1235.3	1236.7
167.5°	1247.1	1245.9	1244.6	1243.4	1243.1	1243.7	1244.2	1244.8	1245.4	1246.8	1248.2
170°	1253.6	1252.4	1251.2	1250.0	1249.6	1250.0	1250.4	1250.8	1251.2	1252.6	1254.1
172.5°	1258.0	1256.8	1255.6	1254.4	1254.0	1254.4	1254.8	1255.2	1255.6	1257.0	1258.4
175°	1263.5	1262.1	1260.6	1259.2	1258.7	1259.1	1259.5	1259.9	1260.3	1261.8	1263.2
177.5°	1264.7	1263.6	1262.4	1261.3	1260.8	1261.0	1261.1	1261.3	1261.4	1262.6	1263.7
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



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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°	9.3	9.5	9.7	9.8	9.8	9.9	9.7
90°	21.3	22.3	23.0	23.4	23.8	24.3	24.7
92.5°	22.8	23.3	23.7	23.9	24.2	24.4	24.7
95°	38.7	39.7	40.1	39.9	39.7	39.5	39.3
97.5°	50.1	50.9	51.4	51.7	51.9	52.2	52.4
100°	56.9	58.6	59.6	60.0	60.4	60.8	61.2
102.5°	59.9	62.0	63.3	63.9	64.4	65.0	65.6
105°	62.4	64.6	66.2	67.0	67.8	68.6	69.4
107.5°	71.2	68.9	68.2	69.0	69.8	70.6	71.4
110°	98.9	78.6	68.9	69.7	70.5	71.3	72.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	181.0	107.0	70.3	70.9	71.6	72.2	72.9
115°	281.6	187.6	133.3	118.7	104.1	89.5	74.9
117.5°	556.0	533.2	497.8	449.8	401.8	353.8	305.8
120°	676.8	679.2	666.7	639.3	611.9	584.5	557.1
122.5°	716.9	718.4	716.5	711.2	705.8	700.5	695.2
125°	776.0	777.4	778.4	779.0	779.6	780.3	780.9
127.5°	831.3	833.4	834.4	834.6	834.7	834.8	834.9
130°	866.1	868.3	869.4	869.2	868.9	868.7	868.5
132.5°	899.5	901.4	902.2	902.0	901.8	901.6	901.4
135°	947.7	949.7	950.5	950.1	949.7	949.3	948.9
137.5°	992.3	994.3	995.0	994.3	993.6	992.9	992.2
140°	1021.1	1022.9	1023.3	1022.3	1021.3	1020.3	1019.2
142.5°	1047.6	1049.3	1049.6	1048.6	1047.6	1046.6	1045.5
145°	1084.7	1086.1	1086.3	1085.3	1084.3	1083.3	1082.3
147.5°	1116.8	1117.9	1118.0	1117.1	1116.3	1115.4	1114.6
150°	1137.1	1138.3	1138.4	1137.4	1136.3	1135.3	1134.3
152.5°	1155.3	1156.5	1156.5	1155.1	1153.8	1152.5	1151.1
155°	1180.0	1181.2	1181.0	1179.4	1177.7	1176.1	1174.5
157.5°	1200.9	1202.3	1202.2	1200.6	1199.0	1197.4	1195.9
160°	1212.9	1214.1	1214.0	1212.5	1211.1	1209.7	1208.3
162.5°	1224.3	1225.7	1225.5	1223.8	1222.0	1220.3	1218.5
165°	1238.1	1239.5	1239.5	1238.1	1236.7	1235.3	1233.9
167.5°	1249.6	1251.1	1250.8	1249.0	1247.2	1245.4	1243.5
170°	1255.5	1256.9	1256.7	1254.9	1253.0	1251.2	1249.4
172.5°	1259.9	1261.3	1261.1	1259.2	1257.4	1255.6	1253.8
175°	1264.6	1266.0	1265.7	1263.7	1261.7	1259.6	1257.6
177.5°	1264.9	1266.0	1265.8	1264.4	1262.9	1261.4	1260.0
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2

(END OF REPORT)