

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: P331664-840

Luminaire Tested: **S122RDIP-S485D925U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331664-840
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: S122RDIP-S485D925U840-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5219.8 lumens
Efficiency: N/A
Efficacy: 117.3 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

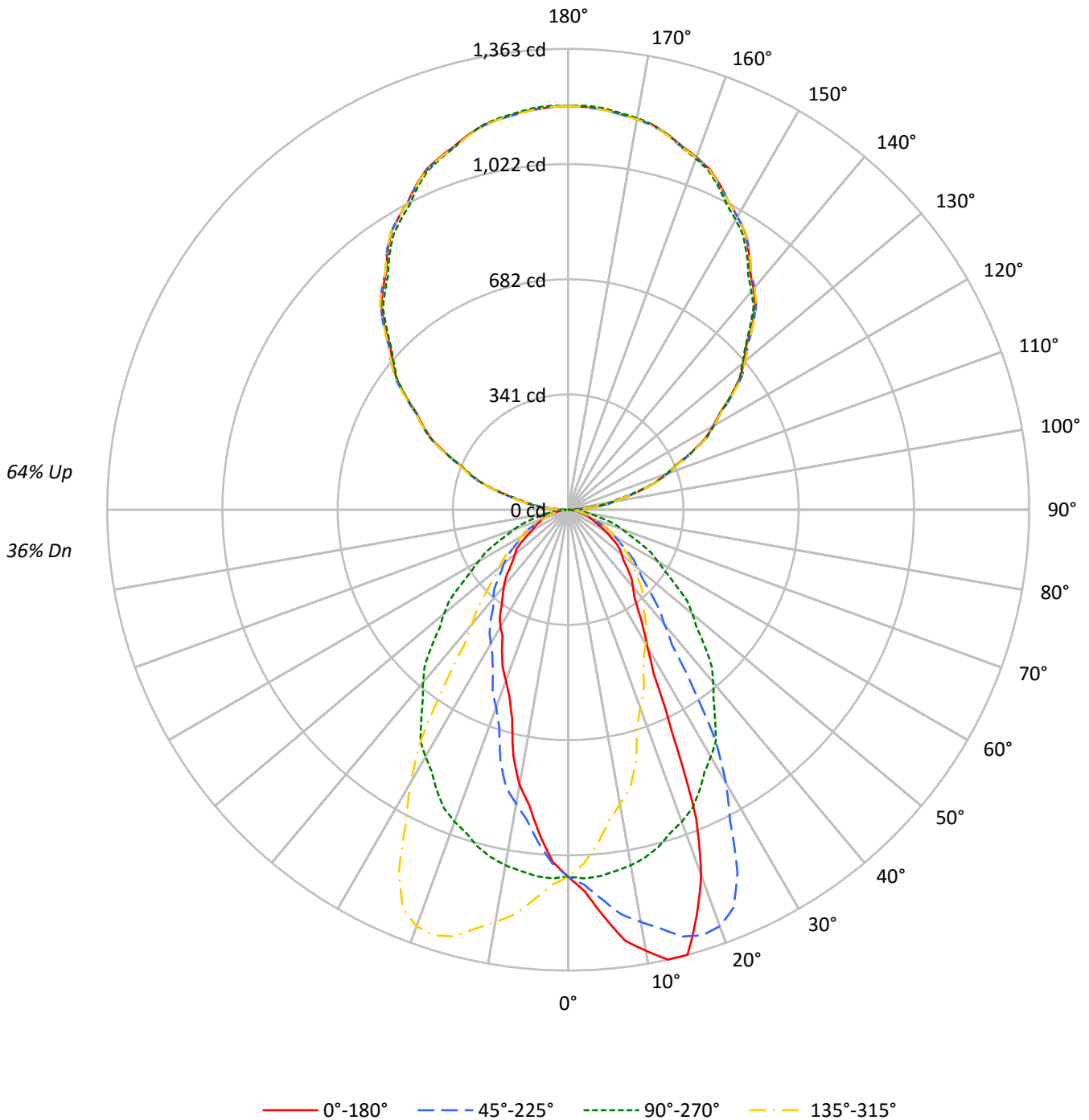
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36																				
1	95	91	88	84	86	83	80	77	67	65	63	52	51	50	39	38	38	31																				
2	87	80	75	70	79	73	68	64	59	56	53	47	44	43	35	34	33	27																				
3	80	71	64	59	72	65	59	54	53	49	45	42	39	37	32	30	28	24																				
4	73	63	56	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21																				
5	67	57	49	43	61	52	45	40	43	38	34	34	31	28	26	24	22	19																				
6	62	51	43	38	56	47	40	35	39	34	30	31	28	25	24	22	20	17																				
7	58	46	39	33	52	42	36	31	35	30	27	28	25	22	22	20	18	15																				
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14																				
9	50	38	31	27	45	35	29	25	30	25	21	24	21	18	19	17	15	13																				
10	47	35	28	24	43	33	27	22	27	23	19	22	19	17	18	15	14	12																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17525	17525	17525	17525
5°	19571	17634	15635	17634
10°	21713	17510	13554	17510
15°	22781	17254	10678	17254
20°	19749	16873	9241	16873
25°	12953	16352	8250	16352
30°	8720	15720	7467	15720
35°	7062	14927	6733	14927
40°	6279	14060	6232	14060
45°	5683	13047	5562	13047
50°	5172	12039	5152	12039
55°	4861	10925	4799	10925
60°	4066	9901	4017	9901
65°	3431	8989	3889	8989
70°	3172	8030	3668	8030
75°	2969	6987	3387	6987
80°	2734	5746	3013	5746
85°	2501	4539	2649	4539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	2.0
10°-20°	286.7	5.5
20°-30°	369.4	7.1
30°-40°	351.1	6.7
40°-50°	300.7	5.8
50°-60°	229.0	4.4
60°-70°	144.8	2.8
70°-80°	72.3	1.4
80°-90°	23.6	0.5
90°-100°	75.7	1.4
100°-110°	235.0	4.5
110°-120°	401.8	7.7
120°-130°	528.3	10.1
130°-140°	593.0	11.4
140°-150°	581.4	11.1
150°-160°	487.7	9.3
160°-170°	323.5	6.2
170°-180°	113.0	2.2
0°-30°	759.0	14.5
0°-40°	1110.1	21.3
0°-60°	1639.8	31.4
0°-90°	1880.5	36.0
90°-120°	712.5	13.6
90°-150°	2415.2	46.3
90°-180°	3339.0	64.0
0°-180°	5219.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1085	1085	1085	1085	1085	
5°	1208	1088	965	1088	1208	119
15°	1363	1032	639	1032	1363	368
25°	727	918	463	918	727	345
35°	358	757	342	757	358	229
45°	249	571	244	571	249	193
55°	173	388	170	388	173	152
65°	90	235	102	235	90	91
75°	48	112	54	112	48	50
85°	14	24	14	24	14	15
90°	34	1	34	1	34	15
95°	62	52	62	52	62	70
105°	224	217	224	217	224	235
115°	403	403	403	403	403	398
125°	588	586	588	586	588	525
135°	768	759	768	759	768	591
145°	931	921	931	921	931	582
155°	1061	1053	1061	1053	1061	488
165°	1147	1146	1147	1146	1147	323
175°	1188	1192	1188	1192	1188	113
180°	1194	1194	1194	1194	1194	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1129.4	1130.3	1131.3	1129.1	1129.1	1127.3	1123.4	1120.3	1111.9	1110.6	1110.6
5°	1207.5	1206.8	1208.3	1203.4	1196.6	1195.1	1187.9	1178.5	1168.7	1157.7	1155.5
7.5°	1285.3	1284.1	1281.1	1280.2	1275.1	1263.6	1252.1	1239.8	1223.6	1207.6	1199.6
10°	1324.4	1336.9	1329.4	1316.2	1318.8	1301.1	1291.6	1275.5	1261.8	1238.1	1232.8
12.5°	1363.0	1368.0	1365.5	1358.1	1354.7	1342.4	1329.7	1315.6	1290.5	1269.2	1250.6
15°	1362.9	1370.1	1372.0	1369.7	1371.6	1370.8	1364.0	1352.3	1330.5	1307.1	1286.8
17.5°	1262.3	1267.3	1279.6	1288.0	1298.6	1320.9	1331.9	1336.3	1332.9	1319.6	1305.3
20°	1149.4	1141.1	1175.9	1193.6	1208.7	1246.4	1278.8	1291.2	1311.2	1310.9	1307.1
22.5°	989.6	991.5	1024.4	1045.4	1089.5	1127.2	1164.2	1211.0	1249.7	1275.3	1290.2
25°	727.1	741.4	774.3	802.8	851.9	922.1	985.8	1059.8	1129.4	1184.6	1237.0
27.5°	546.0	547.1	573.1	599.7	628.7	686.2	766.5	854.7	954.2	1036.2	1130.6
30°	467.7	465.3	476.4	492.5	517.5	561.9	622.3	709.0	808.2	931.9	1042.0
32.5°	412.1	412.2	420.5	432.5	453.1	483.1	524.5	594.9	688.7	810.3	939.4
35°	358.3	357.9	364.0	372.6	381.2	400.5	428.8	465.7	530.3	643.8	775.8
37.5°	319.6	321.3	324.3	329.7	339.2	349.9	367.0	391.7	437.7	504.8	615.7
40°	297.9	298.7	302.9	307.4	313.1	321.3	335.3	355.3	388.8	442.3	523.4
42.5°	278.0	278.7	281.8	285.9	290.3	298.7	310.2	327.5	354.8	396.5	463.4
45°	248.9	248.9	251.6	253.4	258.3	265.9	275.3	289.6	308.5	339.4	384.0
47.5°	221.6	221.7	223.4	226.6	229.7	235.6	244.9	256.6	270.3	294.3	332.2
50°	205.9	206.3	207.4	210.1	212.0	217.2	224.4	234.6	248.9	267.4	299.0
52.5°	193.2	193.0	194.4	195.6	196.8	200.7	206.0	215.0	227.8	243.9	270.1
55°	172.7	171.2	173.5	175.3	176.5	178.0	181.0	186.7	197.6	211.2	230.8
57.5°	147.0	146.4	148.0	149.8	153.3	157.4	160.0	163.6	169.3	178.9	198.4
60°	125.9	125.9	129.4	130.5	134.6	139.9	145.2	148.2	153.9	160.3	174.6
62.5°	107.2	107.6	109.2	110.3	112.6	119.1	126.5	133.1	138.5	144.6	154.1
65°	89.8	90.5	90.5	91.3	92.8	94.3	97.3	102.6	112.0	120.7	127.8
67.5°	76.1	76.4	76.6	77.4	77.8	79.4	80.6	83.0	85.1	93.4	102.3
70°	67.2	68.3	67.9	68.7	69.0	69.8	71.3	72.4	75.8	77.7	83.0
72.5°	58.7	59.5	59.5	59.9	60.9	61.0	62.2	63.3	65.5	67.2	70.0
75°	47.6	47.2	47.6	48.3	48.7	49.0	49.0	50.5	51.7	53.2	55.0
77.5°	36.7	37.1	37.0	37.1	37.1	37.8	37.7	38.4	39.5	40.3	41.2
80°	29.4	29.8	29.4	29.8	30.2	30.5	30.2	30.5	31.7	32.4	32.4
82.5°	22.8	22.8	23.1	23.1	23.2	23.3	23.8	23.9	24.7	24.5	24.8
85°	13.5	13.2	13.2	13.2	13.5	13.9	13.5	13.5	13.9	13.9	13.9
87.5°	11.7	11.9	11.9	11.8	11.8	11.8	11.9	12.3	12.1	12.5	11.2
90°	34.2	34.0	33.8	33.6	33.3	33.5	33.9	34.3	34.8	35.2	30.3
92.5°	32.6	32.6	32.5	32.5	32.5	32.4	32.3	32.2	32.1	32.0	30.9
95°	62.5	62.9	63.4	63.8	64.2	64.5	64.5	64.5	64.5	64.5	64.0
97.5°	108.3	108.3	108.4	108.4	108.5	108.5	108.5	108.5	108.5	108.5	107.6
100°	138.0	138.3	138.6	138.8	139.0	139.1	139.1	139.1	139.1	139.1	138.5
102.5°	172.0	172.2	172.4	172.6	172.8	172.9	172.7	172.5	172.3	172.2	171.3
105°	223.7	223.7	223.7	223.7	223.7	223.5	223.1	222.6	222.2	221.7	221.3
107.5°	272.5	273.6	274.6	275.6	276.6	277.0	276.9	276.7	276.5	276.3	276.3
110°	310.4	311.0	311.7	312.5	313.1	313.5	313.5	313.5	313.5	313.5	313.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	346.7	347.2	347.7	348.2	348.6	349.2	349.7	350.2	350.8	351.3	351.5
115°	403.1	403.7	404.5	405.2	405.8	406.3	406.5	406.7	407.0	407.2	407.6
117.5°	457.0	457.6	458.3	459.0	459.6	460.2	460.8	461.3	461.8	462.4	463.6
120°	494.8	495.5	496.1	496.9	497.6	497.9	497.9	497.9	497.9	497.9	499.7
122.5°	531.9	532.4	532.9	533.4	533.9	534.4	534.9	535.4	536.0	536.5	537.9
125°	588.5	588.8	589.0	589.3	589.5	589.9	590.6	591.3	591.9	592.6	593.3
127.5°	640.2	640.9	641.6	642.3	643.0	643.8	644.6	645.4	646.2	647.0	647.8
130°	677.2	678.1	679.0	679.9	680.9	681.5	682.0	682.4	682.9	683.3	683.8
132.5°	712.8	713.5	714.2	714.9	715.6	716.4	717.4	718.4	719.4	720.3	720.2
135°	767.9	768.6	769.3	769.9	770.6	771.0	771.3	771.5	771.7	771.9	771.5
137.5°	817.9	818.8	819.7	820.6	821.5	822.0	822.2	822.4	822.6	822.7	822.2
140°	852.6	853.5	854.3	855.3	856.2	856.7	856.7	856.7	856.7	856.7	855.6
142.5°	884.0	884.9	885.9	886.8	887.7	888.0	887.8	887.7	887.5	887.3	886.5
145°	931.2	932.1	933.0	933.9	934.8	935.1	934.9	934.6	934.4	934.2	932.9
147.5°	973.3	974.2	975.0	975.9	976.7	976.9	976.4	975.9	975.4	974.9	974.0
150°	1000.8	1001.4	1002.1	1002.8	1003.4	1003.4	1002.8	1002.1	1001.4	1000.8	999.9
152.5°	1026.5	1027.4	1028.2	1029.1	1030.0	1030.0	1029.1	1028.2	1027.4	1026.5	1025.4
155°	1061.2	1061.9	1062.6	1063.2	1063.9	1063.7	1062.6	1061.5	1060.4	1059.1	1058.5
157.5°	1091.1	1092.1	1093.2	1094.3	1095.3	1095.1	1093.6	1092.1	1090.6	1089.0	1088.6
160°	1109.5	1110.4	1111.4	1112.3	1113.2	1113.0	1111.6	1110.2	1108.9	1107.5	1107.3
162.5°	1125.7	1126.8	1127.8	1128.9	1130.0	1129.7	1128.2	1126.7	1125.2	1123.7	1123.5
165°	1146.9	1148.0	1149.1	1150.2	1151.3	1151.1	1149.5	1148.0	1146.4	1144.9	1144.9
167.5°	1164.2	1165.4	1166.5	1167.7	1168.8	1168.6	1167.1	1165.5	1164.0	1162.4	1162.5
170°	1173.1	1174.4	1175.8	1177.1	1178.4	1178.3	1176.8	1175.2	1173.7	1172.0	1172.3
172.5°	1180.3	1181.6	1183.1	1184.4	1185.7	1185.6	1184.1	1182.5	1180.9	1179.3	1179.5
175°	1188.2	1189.5	1190.8	1192.2	1193.6	1193.5	1191.8	1190.3	1188.7	1187.2	1187.6
177.5°	1191.8	1192.9	1194.0	1195.1	1196.1	1196.1	1195.1	1194.0	1192.9	1191.8	1192.1
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1111.3	1108.9	1106.8	1101.4	1098.6	1092.6	1091.7	1091.4	1083.6	1076.0	1073.9
5°	1149.4	1143.5	1134.4	1123.8	1112.9	1101.6	1094.0	1088.0	1072.9	1058.5	1050.3
7.5°	1187.9	1175.0	1159.3	1139.3	1122.7	1104.0	1090.1	1077.6	1056.2	1035.7	1021.9
10°	1216.6	1195.5	1174.8	1147.2	1125.7	1104.6	1085.0	1068.0	1043.9	1016.7	997.4
12.5°	1234.4	1211.1	1182.6	1155.7	1127.8	1101.0	1074.7	1052.9	1024.6	996.5	973.6
15°	1258.5	1233.6	1198.9	1160.4	1124.6	1089.5	1059.3	1032.2	995.2	961.7	933.7
17.5°	1278.2	1243.9	1206.6	1162.2	1120.6	1076.1	1037.2	1002.5	961.4	920.9	888.1
20°	1284.4	1250.5	1207.5	1163.1	1114.0	1061.6	1019.8	982.0	937.9	893.7	856.1
22.5°	1280.5	1254.2	1206.3	1153.1	1102.9	1048.0	1000.8	956.9	908.1	863.0	819.3
25°	1253.9	1244.9	1199.6	1141.6	1084.2	1020.5	965.8	917.9	862.1	813.9	766.3
27.5°	1191.8	1211.4	1183.4	1121.5	1057.7	989.4	928.0	873.4	815.5	761.1	713.8
30°	1132.2	1177.0	1164.9	1107.6	1036.3	969.2	900.2	843.2	781.4	725.6	678.8
32.5°	1050.4	1124.5	1136.3	1088.3	1014.6	940.8	868.5	811.8	747.3	688.4	642.9
35°	920.2	1031.1	1082.0	1051.4	977.4	898.0	823.2	757.3	692.4	634.3	589.1
37.5°	764.9	915.8	1000.8	1002.9	935.0	852.3	771.0	705.5	639.0	582.1	533.1
40°	664.1	827.8	938.3	962.8	905.4	816.1	733.9	667.1	602.3	546.4	490.3
42.5°	573.6	736.7	872.5	915.1	869.6	780.8	698.3	628.5	565.4	512.6	455.2
45°	463.8	606.4	756.1	832.3	807.1	724.8	637.7	571.4	512.1	466.5	411.4
47.5°	391.3	491.8	636.6	739.7	739.2	664.2	578.6	514.9	460.0	417.3	372.6
50°	349.9	437.5	560.1	676.9	686.7	623.8	542.3	479.3	428.1	383.1	347.3
52.5°	312.9	385.0	495.1	607.2	635.1	580.6	501.6	443.4	393.6	352.3	321.6
55°	264.4	320.1	403.9	508.8	551.0	512.5	442.3	388.1	347.7	313.1	286.6
57.5°	223.6	265.5	332.6	417.1	466.3	442.0	384.3	340.1	305.6	274.2	253.4
60°	198.0	232.3	289.2	359.8	414.0	397.1	347.7	306.6	277.2	250.0	230.5
62.5°	173.9	203.4	252.2	309.4	359.2	352.1	311.8	277.3	251.6	226.8	210.3
65°	139.9	161.4	199.4	244.4	284.4	287.7	258.7	235.3	212.3	192.7	178.0
67.5°	111.4	125.4	152.3	190.1	220.0	230.8	213.0	195.1	176.8	161.7	149.0
70°	93.9	105.2	124.8	155.4	182.9	194.2	184.0	170.1	154.2	141.8	130.9
72.5°	76.1	87.2	101.6	124.0	147.6	159.9	156.3	146.2	133.4	123.1	112.8
75°	57.4	60.7	70.5	85.6	104.1	114.6	117.2	112.0	101.8	93.9	87.9
77.5°	42.4	44.4	49.1	57.1	69.1	78.5	82.4	81.8	74.7	70.2	64.5
80°	33.9	35.0	37.4	40.7	49.8	59.2	61.8	61.8	57.0	55.0	49.4
82.5°	25.8	26.7	28.0	29.9	34.1	42.3	45.2	45.8	42.7	40.3	35.9
85°	14.7	14.3	15.0	16.3	17.0	19.2	23.7	24.5	23.7	20.7	19.6
87.5°	10.2	9.5	8.6	7.5	7.3	7.0	8.0	9.0	8.3	7.9	7.9
90°	25.4	20.5	15.6	11.7	9.1	6.4	3.7	1.0	3.7	6.4	9.1
92.5°	29.7	28.6	27.4	25.9	23.8	21.9	19.9	18.0	19.9	21.9	23.8
95°	63.6	63.1	62.7	61.4	59.1	56.9	54.6	52.4	54.6	56.9	59.1
97.5°	106.7	105.9	105.0	103.6	101.7	99.7	97.8	95.7	97.8	99.7	101.7
100°	137.7	137.0	136.4	135.1	133.4	131.6	129.8	127.9	129.8	131.6	133.4
102.5°	170.5	169.6	168.7	167.5	166.1	164.7	163.3	161.9	163.3	164.7	166.1
105°	220.9	220.4	219.9	219.3	218.7	218.0	217.3	216.7	217.3	218.0	218.7
107.5°	276.3	276.3	276.3	275.9	274.9	273.9	272.9	271.9	272.9	273.9	274.9
110°	313.5	313.5	313.5	312.8	311.4	310.0	308.7	307.4	308.7	310.0	311.4



TEST NUMBER: P331664-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	351.6	351.8	352.0	351.4	350.1	348.8	347.4	346.1	347.4	348.8	350.1
115°	408.1	408.5	408.9	408.5	407.2	405.8	404.5	403.1	404.5	405.8	407.2
117.5°	464.8	466.2	467.4	467.2	465.3	463.5	461.7	460.0	461.7	463.5	465.3
120°	501.4	503.2	505.0	505.0	503.2	501.4	499.7	497.9	499.7	501.4	503.2
122.5°	539.1	540.3	541.6	541.1	539.0	536.8	534.6	532.5	534.6	536.8	539.0
125°	593.9	594.6	595.3	594.6	592.6	590.6	588.5	586.5	588.5	590.6	592.6
127.5°	648.6	649.4	650.3	649.3	646.8	644.3	641.7	639.1	641.7	644.3	646.8
130°	684.2	684.6	685.1	683.9	681.0	678.0	675.1	672.2	675.1	678.0	681.0
132.5°	720.2	720.1	720.0	718.8	716.4	714.1	711.7	709.3	711.7	714.1	716.4
135°	771.0	770.6	770.2	768.7	766.3	763.8	761.3	758.9	761.3	763.8	766.3
137.5°	821.6	821.0	820.4	819.1	817.1	815.1	813.0	811.1	813.0	815.1	817.1
140°	854.3	853.2	852.1	850.6	848.6	846.6	844.6	842.5	844.6	846.6	848.6
142.5°	885.8	884.9	884.2	882.8	880.8	878.8	876.8	874.7	876.8	878.8	880.8
145°	931.5	930.2	928.9	927.4	925.8	924.2	922.7	921.1	922.7	924.2	925.8
147.5°	973.1	972.3	971.4	970.0	968.1	966.2	964.3	962.4	964.3	966.2	968.1
150°	999.0	998.0	997.1	996.0	994.7	993.3	992.0	990.7	992.0	993.3	994.7
152.5°	1024.4	1023.3	1022.3	1021.1	1019.7	1018.3	1017.0	1015.6	1017.0	1018.3	1019.7
155°	1057.8	1057.2	1056.5	1055.8	1055.2	1054.5	1053.8	1053.2	1053.8	1054.5	1055.2
157.5°	1088.2	1087.8	1087.4	1087.0	1086.5	1086.1	1085.6	1085.2	1085.6	1086.1	1086.5
160°	1107.1	1106.9	1106.7	1106.3	1105.9	1105.4	1105.0	1104.6	1105.0	1105.4	1105.9
162.5°	1123.3	1123.1	1122.8	1122.7	1122.6	1122.5	1122.4	1122.3	1122.4	1122.5	1122.6
165°	1144.9	1144.9	1144.9	1145.0	1145.2	1145.4	1145.7	1145.9	1145.7	1145.4	1145.2
167.5°	1162.5	1162.6	1162.6	1163.0	1163.6	1164.3	1165.0	1165.6	1165.0	1164.3	1163.6
170°	1172.6	1172.8	1173.0	1173.4	1174.1	1174.8	1175.4	1176.1	1175.4	1174.8	1174.1
172.5°	1179.7	1180.0	1180.2	1180.6	1181.3	1182.0	1182.7	1183.4	1182.7	1182.0	1181.3
175°	1188.1	1188.5	1189.0	1189.5	1190.2	1190.8	1191.5	1192.2	1191.5	1190.8	1190.2
177.5°	1192.5	1192.9	1193.3	1193.7	1194.3	1194.8	1195.3	1195.9	1195.3	1194.8	1194.3
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1070.0	1067.8	1063.9	1057.9	1054.3	1047.9	1043.7	1046.1	1046.7	1046.1	1045.5
5°	1041.3	1033.3	1022.4	1011.8	1002.0	991.5	985.4	982.8	977.4	974.5	973.0
7.5°	1006.4	992.8	977.3	959.0	943.3	927.0	918.6	914.4	903.6	897.8	892.6
10°	980.5	959.0	943.5	919.4	904.7	883.2	868.5	868.9	854.1	845.9	839.8
12.5°	951.9	928.3	902.5	880.8	860.4	843.1	825.4	818.2	802.5	794.6	778.3
15°	904.3	876.8	849.7	820.2	799.5	772.7	747.1	715.8	690.5	668.6	662.6
17.5°	852.4	818.4	791.1	756.6	721.0	676.0	646.3	628.1	612.9	601.4	592.8
20°	816.9	782.1	753.2	701.0	653.2	622.6	600.8	586.8	571.0	558.6	551.7
22.5°	779.4	743.3	703.7	645.5	608.2	583.7	564.2	548.2	537.5	527.8	521.6
25°	726.3	686.7	621.5	581.5	551.4	525.7	512.1	502.3	491.0	477.8	471.8
27.5°	670.2	607.2	560.4	530.7	501.9	485.2	473.0	458.4	448.3	442.3	436.1
30°	628.2	565.3	528.8	496.2	475.9	457.5	443.1	434.8	425.1	414.9	410.7
32.5°	581.5	531.2	496.1	469.2	448.5	432.7	421.4	408.0	400.9	394.7	386.0
35°	523.4	485.3	453.3	431.4	411.8	399.0	385.8	377.9	365.1	359.8	356.4
37.5°	474.2	441.2	417.3	394.3	378.7	364.6	356.5	343.9	338.3	330.9	323.8
40°	446.5	414.0	391.1	372.2	354.9	344.3	334.2	324.0	315.7	312.3	303.6
42.5°	418.2	391.7	368.7	348.1	336.5	325.3	312.5	305.0	296.3	290.8	285.5
45°	379.0	355.7	336.0	319.0	306.2	294.6	286.2	273.8	268.9	257.9	253.4
47.5°	344.6	322.9	304.2	288.0	275.5	267.9	255.8	246.0	238.2	231.5	225.7
50°	320.1	302.1	284.0	269.6	258.3	247.4	235.0	230.0	217.9	214.6	211.2
52.5°	297.8	280.6	264.1	250.0	238.7	228.1	217.1	210.8	202.6	199.1	196.7
55°	266.6	250.0	234.2	221.8	210.5	199.4	192.7	184.8	181.0	178.3	175.3
57.5°	235.2	220.4	208.1	195.6	184.2	175.5	167.6	162.9	159.0	155.5	151.9
60°	215.3	201.0	190.1	178.3	166.7	159.6	153.5	147.8	143.3	138.0	136.5
62.5°	194.2	181.7	171.7	160.3	150.1	143.5	137.8	132.5	127.0	119.4	117.2
65°	165.2	155.4	144.8	135.4	126.3	120.0	111.6	105.6	103.3	102.6	102.2
67.5°	139.0	129.7	120.6	111.0	102.7	96.7	92.5	91.6	90.1	89.6	88.6
70°	121.4	112.8	103.7	94.6	86.7	85.6	84.1	82.6	80.7	80.0	79.2
72.5°	105.7	96.7	87.8	80.5	77.1	75.6	74.1	72.6	71.4	70.6	70.2
75°	81.1	72.8	66.8	64.1	62.2	61.1	58.9	57.7	57.0	55.8	55.4
77.5°	58.4	53.7	50.9	49.3	47.3	46.0	44.8	43.6	42.8	42.6	42.0
80°	44.5	42.2	40.4	38.1	37.4	35.9	35.4	34.3	34.7	33.5	33.5
82.5°	34.5	31.7	30.1	29.1	28.3	27.1	26.7	26.2	26.3	25.4	25.4
85°	17.8	17.0	16.3	15.5	15.5	14.3	14.7	14.3	14.3	13.5	13.2
87.5°	8.1	8.6	8.9	9.9	10.9	11.6	11.5	11.1	11.0	10.9	10.6
90°	11.7	15.6	20.5	25.4	30.3	35.2	34.8	34.3	33.9	33.5	33.3
92.5°	25.9	27.4	28.6	29.7	30.9	32.0	32.1	32.2	32.3	32.4	32.5
95°	61.4	62.7	63.1	63.6	64.0	64.5	64.5	64.5	64.5	64.5	64.2
97.5°	103.6	105.0	105.9	106.7	107.6	108.5	108.5	108.5	108.5	108.5	108.5
100°	135.1	136.4	137.0	137.7	138.5	139.1	139.1	139.1	139.1	139.1	139.0
102.5°	167.5	168.7	169.6	170.5	171.3	172.2	172.3	172.5	172.7	172.9	172.8
105°	219.3	219.9	220.4	220.9	221.3	221.7	222.2	222.6	223.1	223.5	223.7
107.5°	275.9	276.3	276.3	276.3	276.3	276.3	276.5	276.7	276.9	277.0	276.6
110°	312.8	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.1



TEST NUMBER: P331664-840

CATALOG NUMBER: S122RDIP-S485D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	351.4	352.0	351.8	351.6	351.5	351.3	350.8	350.2	349.7	349.2	348.6
115°	408.5	408.9	408.5	408.1	407.6	407.2	407.0	406.7	406.5	406.3	405.8
117.5°	467.2	467.4	466.2	464.8	463.6	462.4	461.8	461.3	460.8	460.2	459.6
120°	505.0	505.0	503.2	501.4	499.7	497.9	497.9	497.9	497.9	497.9	497.6
122.5°	541.1	541.6	540.3	539.1	537.9	536.5	536.0	535.4	534.9	534.4	533.9
125°	594.6	595.3	594.6	593.9	593.3	592.6	591.9	591.3	590.6	589.9	589.5
127.5°	649.3	650.3	649.4	648.6	647.8	647.0	646.2	645.4	644.6	643.8	643.0
130°	683.9	685.1	684.6	684.2	683.8	683.3	682.9	682.4	682.0	681.5	680.9
132.5°	718.8	720.0	720.1	720.2	720.2	720.3	719.4	718.4	717.4	716.4	715.6
135°	768.7	770.2	770.6	771.0	771.5	771.9	771.7	771.5	771.3	771.0	770.6
137.5°	819.1	820.4	821.0	821.6	822.2	822.7	822.6	822.4	822.2	822.0	821.5
140°	850.6	852.1	853.2	854.3	855.6	856.7	856.7	856.7	856.7	856.7	856.2
142.5°	882.8	884.2	884.9	885.8	886.5	887.3	887.5	887.7	887.8	888.0	887.7
145°	927.4	928.9	930.2	931.5	932.9	934.2	934.4	934.6	934.9	935.1	934.8
147.5°	970.0	971.4	972.3	973.1	974.0	974.9	975.4	975.9	976.4	976.9	976.7
150°	996.0	997.1	998.0	999.0	999.9	1000.8	1001.4	1002.1	1002.8	1003.4	1003.4
152.5°	1021.1	1022.3	1023.3	1024.4	1025.4	1026.5	1027.4	1028.2	1029.1	1030.0	1030.0
155°	1055.8	1056.5	1057.2	1057.8	1058.5	1059.1	1060.4	1061.5	1062.6	1063.7	1063.9
157.5°	1087.0	1087.4	1087.8	1088.2	1088.6	1089.0	1090.6	1092.1	1093.6	1095.1	1095.3
160°	1106.3	1106.7	1106.9	1107.1	1107.3	1107.5	1108.9	1110.2	1111.6	1113.0	1113.2
162.5°	1122.7	1122.8	1123.1	1123.3	1123.5	1123.7	1125.2	1126.7	1128.2	1129.7	1130.0
165°	1145.0	1144.9	1144.9	1144.9	1144.9	1144.9	1146.4	1148.0	1149.5	1151.1	1151.3
167.5°	1163.0	1162.6	1162.6	1162.5	1162.5	1162.4	1164.0	1165.5	1167.1	1168.6	1168.8
170°	1173.4	1173.0	1172.8	1172.6	1172.3	1172.0	1173.7	1175.2	1176.8	1178.3	1178.4
172.5°	1180.6	1180.2	1180.0	1179.7	1179.5	1179.3	1180.9	1182.5	1184.1	1185.6	1185.7
175°	1189.5	1189.0	1188.5	1188.1	1187.6	1187.2	1188.7	1190.3	1191.8	1193.5	1193.6
177.5°	1193.7	1193.3	1192.9	1192.5	1192.1	1191.8	1192.9	1194.0	1195.1	1196.1	1196.1
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



TEST NUMBER: P331664-840

CATALOG NUMBER: S122RDIP-S485D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1042.2	1042.8	1041.9	1042.5	1041.9	1042.8	1042.2	1045.5	1046.1	1046.7	1046.1
5°	971.1	966.5	965.8	964.7	965.8	966.5	971.1	973.0	974.5	977.4	982.8
7.5°	886.2	885.4	883.6	880.9	883.6	885.4	886.2	892.6	897.8	903.6	914.4
10°	831.5	829.7	829.3	826.7	829.3	829.7	831.5	839.8	845.9	854.1	868.9
12.5°	767.6	755.5	754.2	747.6	754.2	755.5	767.6	778.3	794.6	802.5	818.2
15°	653.6	651.3	643.8	638.8	643.8	651.3	653.6	662.6	668.6	690.5	715.8
17.5°	588.3	581.0	578.7	577.6	578.7	581.0	588.3	592.8	601.4	612.9	628.1
20°	546.4	539.7	538.6	537.8	538.6	539.7	546.4	551.7	558.6	571.0	586.8
22.5°	517.5	510.4	507.5	505.2	507.5	510.4	517.5	521.6	527.8	537.5	548.2
25°	468.0	465.3	463.8	463.1	463.8	465.3	468.0	471.8	477.8	491.0	502.3
27.5°	429.3	423.5	422.3	420.4	422.3	423.5	429.3	436.1	442.3	448.3	458.4
30°	407.3	405.4	402.7	400.5	402.7	405.4	407.3	410.7	414.9	425.1	434.8
32.5°	381.3	379.8	377.4	376.4	377.4	379.8	381.3	386.0	394.7	400.9	408.0
35°	352.6	347.3	345.1	341.6	345.1	347.3	352.6	356.4	359.8	365.1	377.9
37.5°	322.2	319.4	316.3	317.4	316.3	319.4	322.2	323.8	330.9	338.3	343.9
40°	298.7	296.8	296.0	295.7	296.0	296.8	298.7	303.6	312.3	315.7	324.0
42.5°	279.9	274.8	272.8	272.8	272.8	274.8	279.9	285.5	290.8	296.3	305.0
45°	251.6	246.6	243.3	243.6	243.3	246.6	251.6	253.4	257.9	268.9	273.8
47.5°	222.5	222.3	220.2	220.9	220.2	222.3	222.5	225.7	231.5	238.2	246.0
50°	208.5	206.3	204.8	205.1	204.8	206.3	208.5	211.2	214.6	217.9	230.0
52.5°	195.3	193.3	192.1	193.7	192.1	193.3	195.3	196.7	199.1	202.6	210.8
55°	173.5	171.2	170.9	170.5	170.9	171.2	173.5	175.3	178.3	181.0	184.8
57.5°	149.2	147.6	145.3	144.4	145.3	147.6	149.2	151.9	155.5	159.0	162.9
60°	131.6	128.6	124.8	124.4	124.8	128.6	131.6	136.5	138.0	143.3	147.8
62.5°	115.6	115.0	114.3	114.2	114.3	115.0	115.6	117.2	119.4	127.0	132.5
65°	101.5	101.1	101.5	101.8	101.5	101.1	101.5	102.2	102.6	103.3	105.6
67.5°	88.4	87.8	87.1	87.4	87.1	87.8	88.4	88.6	89.6	90.1	91.6
70°	78.5	78.1	77.7	77.7	77.7	78.1	78.5	79.2	80.0	80.7	82.6
72.5°	68.8	68.7	68.4	68.1	68.4	68.7	68.8	70.2	70.6	71.4	72.6
75°	55.0	54.3	54.3	54.3	54.3	54.3	55.0	55.4	55.8	57.0	57.7
77.5°	41.9	41.6	41.2	40.9	41.2	41.6	41.9	42.0	42.6	42.8	43.6
80°	33.2	32.8	32.4	32.4	32.4	32.8	33.2	33.5	33.5	34.7	34.3
82.5°	25.3	24.9	24.8	24.5	24.8	24.9	25.3	25.4	25.4	26.3	26.2
85°	13.5	13.9	13.5	14.3	13.5	13.9	13.5	13.2	13.5	14.3	14.3
87.5°	10.6	10.4	10.7	10.5	10.7	10.4	10.6	10.6	10.9	11.0	11.1
90°	33.6	33.8	34.0	34.2	34.0	33.8	33.6	33.3	33.5	33.9	34.3
92.5°	32.5	32.5	32.6	32.6	32.6	32.5	32.5	32.5	32.4	32.3	32.2
95°	63.8	63.4	62.9	62.5	62.9	63.4	63.8	64.2	64.5	64.5	64.5
97.5°	108.4	108.4	108.3	108.3	108.3	108.4	108.4	108.5	108.5	108.5	108.5
100°	138.8	138.6	138.3	138.0	138.3	138.6	138.8	139.0	139.1	139.1	139.1
102.5°	172.6	172.4	172.2	172.0	172.2	172.4	172.6	172.8	172.9	172.7	172.5
105°	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.5	223.1	222.6
107.5°	275.6	274.6	273.6	272.5	273.6	274.6	275.6	276.6	277.0	276.9	276.7
110°	312.5	311.7	311.0	310.4	311.0	311.7	312.5	313.1	313.5	313.5	313.5



TEST NUMBER: P331664-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	348.2	347.7	347.2	346.7	347.2	347.7	348.2	348.6	349.2	349.7	350.2
115°	405.2	404.5	403.7	403.1	403.7	404.5	405.2	405.8	406.3	406.5	406.7
117.5°	459.0	458.3	457.6	457.0	457.6	458.3	459.0	459.6	460.2	460.8	461.3
120°	496.9	496.1	495.5	494.8	495.5	496.1	496.9	497.6	497.9	497.9	497.9
122.5°	533.4	532.9	532.4	531.9	532.4	532.9	533.4	533.9	534.4	534.9	535.4
125°	589.3	589.0	588.8	588.5	588.8	589.0	589.3	589.5	589.9	590.6	591.3
127.5°	642.3	641.6	640.9	640.2	640.9	641.6	642.3	643.0	643.8	644.6	645.4
130°	679.9	679.0	678.1	677.2	678.1	679.0	679.9	680.9	681.5	682.0	682.4
132.5°	714.9	714.2	713.5	712.8	713.5	714.2	714.9	715.6	716.4	717.4	718.4
135°	769.9	769.3	768.6	767.9	768.6	769.3	769.9	770.6	771.0	771.3	771.5
137.5°	820.6	819.7	818.8	817.9	818.8	819.7	820.6	821.5	822.0	822.2	822.4
140°	855.3	854.3	853.5	852.6	853.5	854.3	855.3	856.2	856.7	856.7	856.7
142.5°	886.8	885.9	884.9	884.0	884.9	885.9	886.8	887.7	888.0	887.8	887.7
145°	933.9	933.0	932.1	931.2	932.1	933.0	933.9	934.8	935.1	934.9	934.6
147.5°	975.9	975.0	974.2	973.3	974.2	975.0	975.9	976.7	976.9	976.4	975.9
150°	1002.8	1002.1	1001.4	1000.8	1001.4	1002.1	1002.8	1003.4	1003.4	1002.8	1002.1
152.5°	1029.1	1028.2	1027.4	1026.5	1027.4	1028.2	1029.1	1030.0	1030.0	1029.1	1028.2
155°	1063.2	1062.6	1061.9	1061.2	1061.9	1062.6	1063.2	1063.9	1063.7	1062.6	1061.5
157.5°	1094.3	1093.2	1092.1	1091.1	1092.1	1093.2	1094.3	1095.3	1095.1	1093.6	1092.1
160°	1112.3	1111.4	1110.4	1109.5	1110.4	1111.4	1112.3	1113.2	1113.0	1111.6	1110.2
162.5°	1128.9	1127.8	1126.8	1125.7	1126.8	1127.8	1128.9	1130.0	1129.7	1128.2	1126.7
165°	1150.2	1149.1	1148.0	1146.9	1148.0	1149.1	1150.2	1151.3	1151.1	1149.5	1148.0
167.5°	1167.7	1166.5	1165.4	1164.2	1165.4	1166.5	1167.7	1168.8	1168.6	1167.1	1165.5
170°	1177.1	1175.8	1174.4	1173.1	1174.4	1175.8	1177.1	1178.4	1178.3	1176.8	1175.2
172.5°	1184.4	1183.1	1181.6	1180.3	1181.6	1183.1	1184.4	1185.7	1185.6	1184.1	1182.5
175°	1192.2	1190.8	1189.5	1188.2	1189.5	1190.8	1192.2	1193.6	1193.5	1191.8	1190.3
177.5°	1195.1	1194.0	1192.9	1191.8	1192.9	1194.0	1195.1	1196.1	1196.1	1195.1	1194.0
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



TEST NUMBER: P331664-840

CATALOG NUMBER: S122RDIP-S485D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1043.7	1047.9	1054.3	1057.9	1063.9	1067.8	1070.0	1073.9	1076.0	1083.6	1091.4
5°	985.4	991.5	1002.0	1011.8	1022.4	1033.3	1041.3	1050.3	1058.5	1072.9	1088.0
7.5°	918.6	927.0	943.3	959.0	977.3	992.8	1006.4	1021.9	1035.7	1056.2	1077.6
10°	868.5	883.2	904.7	919.4	943.5	959.0	980.5	997.4	1016.7	1043.9	1068.0
12.5°	825.4	843.1	860.4	880.8	902.5	928.3	951.9	973.6	996.5	1024.6	1052.9
15°	747.1	772.7	799.5	820.2	849.7	876.8	904.3	933.7	961.7	995.2	1032.2
17.5°	646.3	676.0	721.0	756.6	791.1	818.4	852.4	888.1	920.9	961.4	1002.5
20°	600.8	622.6	653.2	701.0	753.2	782.1	816.9	856.1	893.7	937.9	982.0
22.5°	564.2	583.7	608.2	645.5	703.7	743.3	779.4	819.3	863.0	908.1	956.9
25°	512.1	525.7	551.4	581.5	621.5	686.7	726.3	766.3	813.9	862.1	917.9
27.5°	473.0	485.2	501.9	530.7	560.4	607.2	670.2	713.8	761.1	815.5	873.4
30°	443.1	457.5	475.9	496.2	528.8	565.3	628.2	678.8	725.6	781.4	843.2
32.5°	421.4	432.7	448.5	469.2	496.1	531.2	581.5	642.9	688.4	747.3	811.8
35°	385.8	399.0	411.8	431.4	453.3	485.3	523.4	589.1	634.3	692.4	757.3
37.5°	356.5	364.6	378.7	394.3	417.3	441.2	474.2	533.1	582.1	639.0	705.5
40°	334.2	344.3	354.9	372.2	391.1	414.0	446.5	490.3	546.4	602.3	667.1
42.5°	312.5	325.3	336.5	348.1	368.7	391.7	418.2	455.2	512.6	565.4	628.5
45°	286.2	294.6	306.2	319.0	336.0	355.7	379.0	411.4	466.5	512.1	571.4
47.5°	255.8	267.9	275.5	288.0	304.2	322.9	344.6	372.6	417.3	460.0	514.9
50°	235.0	247.4	258.3	269.6	284.0	302.1	320.1	347.3	383.1	428.1	479.3
52.5°	217.1	228.1	238.7	250.0	264.1	280.6	297.8	321.6	352.3	393.6	443.4
55°	192.7	199.4	210.5	221.8	234.2	250.0	266.6	286.6	313.1	347.7	388.1
57.5°	167.6	175.5	184.2	195.6	208.1	220.4	235.2	253.4	274.2	305.6	340.1
60°	153.5	159.6	166.7	178.3	190.1	201.0	215.3	230.5	250.0	277.2	306.6
62.5°	137.8	143.5	150.1	160.3	171.7	181.7	194.2	210.3	226.8	251.6	277.3
65°	111.6	120.0	126.3	135.4	144.8	155.4	165.2	178.0	192.7	212.3	235.3
67.5°	92.5	96.7	102.7	111.0	120.6	129.7	139.0	149.0	161.7	176.8	195.1
70°	84.1	85.6	86.7	94.6	103.7	112.8	121.4	130.9	141.8	154.2	170.1
72.5°	74.1	75.6	77.1	80.5	87.8	96.7	105.7	112.8	123.1	133.4	146.2
75°	58.9	61.1	62.2	64.1	66.8	72.8	81.1	87.9	93.9	101.8	112.0
77.5°	44.8	46.0	47.3	49.3	50.9	53.7	58.4	64.5	70.2	74.7	81.8
80°	35.4	35.9	37.4	38.1	40.4	42.2	44.5	49.4	55.0	57.0	61.8
82.5°	26.7	27.1	28.3	29.1	30.1	31.7	34.5	35.9	40.3	42.7	45.8
85°	14.7	14.3	15.5	15.5	16.3	17.0	17.8	19.6	20.7	23.7	24.5
87.5°	11.5	11.6	10.9	9.9	8.9	8.6	8.1	7.9	7.9	8.3	9.0
90°	34.8	35.2	30.3	25.4	20.5	15.6	11.7	9.1	6.4	3.7	1.0
92.5°	32.1	32.0	30.9	29.7	28.6	27.4	25.9	23.8	21.9	19.9	18.0
95°	64.5	64.5	64.0	63.6	63.1	62.7	61.4	59.1	56.9	54.6	52.4
97.5°	108.5	108.5	107.6	106.7	105.9	105.0	103.6	101.7	99.7	97.8	95.7
100°	139.1	139.1	138.5	137.7	137.0	136.4	135.1	133.4	131.6	129.8	127.9
102.5°	172.3	172.2	171.3	170.5	169.6	168.7	167.5	166.1	164.7	163.3	161.9
105°	222.2	221.7	221.3	220.9	220.4	219.9	219.3	218.7	218.0	217.3	216.7
107.5°	276.5	276.3	276.3	276.3	276.3	276.3	275.9	274.9	273.9	272.9	271.9
110°	313.5	313.5	313.5	313.5	313.5	313.5	312.8	311.4	310.0	308.7	307.4



TEST NUMBER: P331664-840

CATALOG NUMBER: S122RDIP-S485D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	350.8	351.3	351.5	351.6	351.8	352.0	351.4	350.1	348.8	347.4	346.1
115°	407.0	407.2	407.6	408.1	408.5	408.9	408.5	407.2	405.8	404.5	403.1
117.5°	461.8	462.4	463.6	464.8	466.2	467.4	467.2	465.3	463.5	461.7	460.0
120°	497.9	497.9	499.7	501.4	503.2	505.0	505.0	503.2	501.4	499.7	497.9
122.5°	536.0	536.5	537.9	539.1	540.3	541.6	541.1	539.0	536.8	534.6	532.5
125°	591.9	592.6	593.3	593.9	594.6	595.3	594.6	592.6	590.6	588.5	586.5
127.5°	646.2	647.0	647.8	648.6	649.4	650.3	649.3	646.8	644.3	641.7	639.1
130°	682.9	683.3	683.8	684.2	684.6	685.1	683.9	681.0	678.0	675.1	672.2
132.5°	719.4	720.3	720.2	720.2	720.1	720.0	718.8	716.4	714.1	711.7	709.3
135°	771.7	771.9	771.5	771.0	770.6	770.2	768.7	766.3	763.8	761.3	758.9
137.5°	822.6	822.7	822.2	821.6	821.0	820.4	819.1	817.1	815.1	813.0	811.1
140°	856.7	856.7	855.6	854.3	853.2	852.1	850.6	848.6	846.6	844.6	842.5
142.5°	887.5	887.3	886.5	885.8	884.9	884.2	882.8	880.8	878.8	876.8	874.7
145°	934.4	934.2	932.9	931.5	930.2	928.9	927.4	925.8	924.2	922.7	921.1
147.5°	975.4	974.9	974.0	973.1	972.3	971.4	970.0	968.1	966.2	964.3	962.4
150°	1001.4	1000.8	999.9	999.0	998.0	997.1	996.0	994.7	993.3	992.0	990.7
152.5°	1027.4	1026.5	1025.4	1024.4	1023.3	1022.3	1021.1	1019.7	1018.3	1017.0	1015.6
155°	1060.4	1059.1	1058.5	1057.8	1057.2	1056.5	1055.8	1055.2	1054.5	1053.8	1053.2
157.5°	1090.6	1089.0	1088.6	1088.2	1087.8	1087.4	1087.0	1086.5	1086.1	1085.6	1085.2
160°	1108.9	1107.5	1107.3	1107.1	1106.9	1106.7	1106.3	1105.9	1105.4	1105.0	1104.6
162.5°	1125.2	1123.7	1123.5	1123.3	1123.1	1122.8	1122.7	1122.6	1122.5	1122.4	1122.3
165°	1146.4	1144.9	1144.9	1144.9	1144.9	1144.9	1145.0	1145.2	1145.4	1145.7	1145.9
167.5°	1164.0	1162.4	1162.5	1162.5	1162.6	1162.6	1163.0	1163.6	1164.3	1165.0	1165.6
170°	1173.7	1172.0	1172.3	1172.6	1172.8	1173.0	1173.4	1174.1	1174.8	1175.4	1176.1
172.5°	1180.9	1179.3	1179.5	1179.7	1180.0	1180.2	1180.6	1181.3	1182.0	1182.7	1183.4
175°	1188.7	1187.2	1187.6	1188.1	1188.5	1189.0	1189.5	1190.2	1190.8	1191.5	1192.2
177.5°	1192.9	1191.8	1192.1	1192.5	1192.9	1193.3	1193.7	1194.3	1194.8	1195.3	1195.9
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1091.7	1092.6	1098.6	1101.4	1106.8	1108.9	1111.3	1110.6	1110.6	1111.9	1120.3
5°	1094.0	1101.6	1112.9	1123.8	1134.4	1143.5	1149.4	1155.5	1157.7	1168.7	1178.5
7.5°	1090.1	1104.0	1122.7	1139.3	1159.3	1175.0	1187.9	1199.6	1207.6	1223.6	1239.8
10°	1085.0	1104.6	1125.7	1147.2	1174.8	1195.5	1216.6	1232.8	1238.1	1261.8	1275.5
12.5°	1074.7	1101.0	1127.8	1155.7	1182.6	1211.1	1234.4	1250.6	1269.2	1290.5	1315.6
15°	1059.3	1089.5	1124.6	1160.4	1198.9	1233.6	1258.5	1286.8	1307.1	1330.5	1352.3
17.5°	1037.2	1076.1	1120.6	1162.2	1206.6	1243.9	1278.2	1305.3	1319.6	1332.9	1336.3
20°	1019.8	1061.6	1114.0	1163.1	1207.5	1250.5	1284.4	1307.1	1310.9	1311.2	1291.2
22.5°	1000.8	1048.0	1102.9	1153.1	1206.3	1254.2	1280.5	1290.2	1275.3	1249.7	1211.0
25°	965.8	1020.5	1084.2	1141.6	1199.6	1244.9	1253.9	1237.0	1184.6	1129.4	1059.8
27.5°	928.0	989.4	1057.7	1121.5	1183.4	1211.4	1191.8	1130.6	1036.2	954.2	854.7
30°	900.2	969.2	1036.3	1107.6	1164.9	1177.0	1132.2	1042.0	931.9	808.2	709.0
32.5°	868.5	940.8	1014.6	1088.3	1136.3	1124.5	1050.4	939.4	810.3	688.7	594.9
35°	823.2	898.0	977.4	1051.4	1082.0	1031.1	920.2	775.8	643.8	530.3	465.7
37.5°	771.0	852.3	935.0	1002.9	1000.8	915.8	764.9	615.7	504.8	437.7	391.7
40°	733.9	816.1	905.4	962.8	938.3	827.8	664.1	523.4	442.3	388.8	355.3
42.5°	698.3	780.8	869.6	915.1	872.5	736.7	573.6	463.4	396.5	354.8	327.5
45°	637.7	724.8	807.1	832.3	756.1	606.4	463.8	384.0	339.4	308.5	289.6
47.5°	578.6	664.2	739.2	739.7	636.6	491.8	391.3	332.2	294.3	270.3	256.6
50°	542.3	623.8	686.7	676.9	560.1	437.5	349.9	299.0	267.4	248.9	234.6
52.5°	501.6	580.6	635.1	607.2	495.1	385.0	312.9	270.1	243.9	227.8	215.0
55°	442.3	512.5	551.0	508.8	403.9	320.1	264.4	230.8	211.2	197.6	186.7
57.5°	384.3	442.0	466.3	417.1	332.6	265.5	223.6	198.4	178.9	169.3	163.6
60°	347.7	397.1	414.0	359.8	289.2	232.3	198.0	174.6	160.3	153.9	148.2
62.5°	311.8	352.1	359.2	309.4	252.2	203.4	173.9	154.1	144.6	138.5	133.1
65°	258.7	287.7	284.4	244.4	199.4	161.4	139.9	127.8	120.7	112.0	102.6
67.5°	213.0	230.8	220.0	190.1	152.3	125.4	111.4	102.3	93.4	85.1	83.0
70°	184.0	194.2	182.9	155.4	124.8	105.2	93.9	83.0	77.7	75.8	72.4
72.5°	156.3	159.9	147.6	124.0	101.6	87.2	76.1	70.0	67.2	65.5	63.3
75°	117.2	114.6	104.1	85.6	70.5	60.7	57.4	55.0	53.2	51.7	50.5
77.5°	82.4	78.5	69.1	57.1	49.1	44.4	42.4	41.2	40.3	39.5	38.4
80°	61.8	59.2	49.8	40.7	37.4	35.0	33.9	32.4	32.4	31.7	30.5
82.5°	45.2	42.3	34.1	29.9	28.0	26.7	25.8	24.8	24.5	24.7	23.9
85°	23.7	19.2	17.0	16.3	15.0	14.3	14.7	13.9	13.9	13.9	13.5
87.5°	8.0	7.0	7.3	7.5	8.6	9.5	10.2	11.2	12.5	12.1	12.3
90°	3.7	6.4	9.1	11.7	15.6	20.5	25.4	30.3	35.2	34.8	34.3
92.5°	19.9	21.9	23.8	25.9	27.4	28.6	29.7	30.9	32.0	32.1	32.2
95°	54.6	56.9	59.1	61.4	62.7	63.1	63.6	64.0	64.5	64.5	64.5
97.5°	97.8	99.7	101.7	103.6	105.0	105.9	106.7	107.6	108.5	108.5	108.5
100°	129.8	131.6	133.4	135.1	136.4	137.0	137.7	138.5	139.1	139.1	139.1
102.5°	163.3	164.7	166.1	167.5	168.7	169.6	170.5	171.3	172.2	172.3	172.5
105°	217.3	218.0	218.7	219.3	219.9	220.4	220.9	221.3	221.7	222.2	222.6
107.5°	272.9	273.9	274.9	275.9	276.3	276.3	276.3	276.3	276.3	276.5	276.7
110°	308.7	310.0	311.4	312.8	313.5	313.5	313.5	313.5	313.5	313.5	313.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	347.4	348.8	350.1	351.4	352.0	351.8	351.6	351.5	351.3	350.8	350.2
115°	404.5	405.8	407.2	408.5	408.9	408.5	408.1	407.6	407.2	407.0	406.7
117.5°	461.7	463.5	465.3	467.2	467.4	466.2	464.8	463.6	462.4	461.8	461.3
120°	499.7	501.4	503.2	505.0	505.0	503.2	501.4	499.7	497.9	497.9	497.9
122.5°	534.6	536.8	539.0	541.1	541.6	540.3	539.1	537.9	536.5	536.0	535.4
125°	588.5	590.6	592.6	594.6	595.3	594.6	593.9	593.3	592.6	591.9	591.3
127.5°	641.7	644.3	646.8	649.3	650.3	649.4	648.6	647.8	647.0	646.2	645.4
130°	675.1	678.0	681.0	683.9	685.1	684.6	684.2	683.8	683.3	682.9	682.4
132.5°	711.7	714.1	716.4	718.8	720.0	720.1	720.2	720.2	720.3	719.4	718.4
135°	761.3	763.8	766.3	768.7	770.2	770.6	771.0	771.5	771.9	771.7	771.5
137.5°	813.0	815.1	817.1	819.1	820.4	821.0	821.6	822.2	822.7	822.6	822.4
140°	844.6	846.6	848.6	850.6	852.1	853.2	854.3	855.6	856.7	856.7	856.7
142.5°	876.8	878.8	880.8	882.8	884.2	884.9	885.8	886.5	887.3	887.5	887.7
145°	922.7	924.2	925.8	927.4	928.9	930.2	931.5	932.9	934.2	934.4	934.6
147.5°	964.3	966.2	968.1	970.0	971.4	972.3	973.1	974.0	974.9	975.4	975.9
150°	992.0	993.3	994.7	996.0	997.1	998.0	999.0	999.9	1000.8	1001.4	1002.1
152.5°	1017.0	1018.3	1019.7	1021.1	1022.3	1023.3	1024.4	1025.4	1026.5	1027.4	1028.2
155°	1053.8	1054.5	1055.2	1055.8	1056.5	1057.2	1057.8	1058.5	1059.1	1060.4	1061.5
157.5°	1085.6	1086.1	1086.5	1087.0	1087.4	1087.8	1088.2	1088.6	1089.0	1090.6	1092.1
160°	1105.0	1105.4	1105.9	1106.3	1106.7	1106.9	1107.1	1107.3	1107.5	1108.9	1110.2
162.5°	1122.4	1122.5	1122.6	1122.7	1122.8	1123.1	1123.3	1123.5	1123.7	1125.2	1126.7
165°	1145.7	1145.4	1145.2	1145.0	1144.9	1144.9	1144.9	1144.9	1144.9	1146.4	1148.0
167.5°	1165.0	1164.3	1163.6	1163.0	1162.6	1162.6	1162.5	1162.5	1162.4	1164.0	1165.5
170°	1175.4	1174.8	1174.1	1173.4	1173.0	1172.8	1172.6	1172.3	1172.0	1173.7	1175.2
172.5°	1182.7	1182.0	1181.3	1180.6	1180.2	1180.0	1179.7	1179.5	1179.3	1180.9	1182.5
175°	1191.5	1190.8	1190.2	1189.5	1189.0	1188.5	1188.1	1187.6	1187.2	1188.7	1190.3
177.5°	1195.3	1194.8	1194.3	1193.7	1193.3	1192.9	1192.5	1192.1	1191.8	1192.9	1194.0
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1123.4	1127.3	1129.1	1129.1	1131.3	1130.3	1129.4
5°	1187.9	1195.1	1196.6	1203.4	1208.3	1206.8	1207.5
7.5°	1252.1	1263.6	1275.1	1280.2	1281.1	1284.1	1285.3
10°	1291.6	1301.1	1318.8	1316.2	1329.4	1336.9	1324.4
12.5°	1329.7	1342.4	1354.7	1358.1	1365.5	1368.0	1363.0
15°	1364.0	1370.8	1371.6	1369.7	1372.0	1370.1	1362.9
17.5°	1331.9	1320.9	1298.6	1288.0	1279.6	1267.3	1262.3
20°	1278.8	1246.4	1208.7	1193.6	1175.9	1141.1	1149.4
22.5°	1164.2	1127.2	1089.5	1045.4	1024.4	991.5	989.6
25°	985.8	922.1	851.9	802.8	774.3	741.4	727.1
27.5°	766.5	686.2	628.7	599.7	573.1	547.1	546.0
30°	622.3	561.9	517.5	492.5	476.4	465.3	467.7
32.5°	524.5	483.1	453.1	432.5	420.5	412.2	412.1
35°	428.8	400.5	381.2	372.6	364.0	357.9	358.3
37.5°	367.0	349.9	339.2	329.7	324.3	321.3	319.6
40°	335.3	321.3	313.1	307.4	302.9	298.7	297.9
42.5°	310.2	298.7	290.3	285.9	281.8	278.7	278.0
45°	275.3	265.9	258.3	253.4	251.6	248.9	248.9
47.5°	244.9	235.6	229.7	226.6	223.4	221.7	221.6
50°	224.4	217.2	212.0	210.1	207.4	206.3	205.9
52.5°	206.0	200.7	196.8	195.6	194.4	193.0	193.2
55°	181.0	178.0	176.5	175.3	173.5	171.2	172.7
57.5°	160.0	157.4	153.3	149.8	148.0	146.4	147.0
60°	145.2	139.9	134.6	130.5	129.4	125.9	125.9
62.5°	126.5	119.1	112.6	110.3	109.2	107.6	107.2
65°	97.3	94.3	92.8	91.3	90.5	90.5	89.8
67.5°	80.6	79.4	77.8	77.4	76.6	76.4	76.1
70°	71.3	69.8	69.0	68.7	67.9	68.3	67.2
72.5°	62.2	61.0	60.9	59.9	59.5	59.5	58.7
75°	49.0	49.0	48.7	48.3	47.6	47.2	47.6
77.5°	37.7	37.8	37.1	37.1	37.0	37.1	36.7
80°	30.2	30.5	30.2	29.8	29.4	29.8	29.4
82.5°	23.8	23.3	23.2	23.1	23.1	22.8	22.8
85°	13.5	13.9	13.5	13.2	13.2	13.2	13.5
87.5°	11.9	11.8	11.8	11.8	11.9	11.9	11.7
90°	33.9	33.5	33.3	33.6	33.8	34.0	34.2
92.5°	32.3	32.4	32.5	32.5	32.5	32.6	32.6
95°	64.5	64.5	64.2	63.8	63.4	62.9	62.5
97.5°	108.5	108.5	108.5	108.4	108.4	108.3	108.3
100°	139.1	139.1	139.0	138.8	138.6	138.3	138.0
102.5°	172.7	172.9	172.8	172.6	172.4	172.2	172.0
105°	223.1	223.5	223.7	223.7	223.7	223.7	223.7
107.5°	276.9	277.0	276.6	275.6	274.6	273.6	272.5
110°	313.5	313.5	313.1	312.5	311.7	311.0	310.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	349.7	349.2	348.6	348.2	347.7	347.2	346.7
115°	406.5	406.3	405.8	405.2	404.5	403.7	403.1
117.5°	460.8	460.2	459.6	459.0	458.3	457.6	457.0
120°	497.9	497.9	497.6	496.9	496.1	495.5	494.8
122.5°	534.9	534.4	533.9	533.4	532.9	532.4	531.9
125°	590.6	589.9	589.5	589.3	589.0	588.8	588.5
127.5°	644.6	643.8	643.0	642.3	641.6	640.9	640.2
130°	682.0	681.5	680.9	679.9	679.0	678.1	677.2
132.5°	717.4	716.4	715.6	714.9	714.2	713.5	712.8
135°	771.3	771.0	770.6	769.9	769.3	768.6	767.9
137.5°	822.2	822.0	821.5	820.6	819.7	818.8	817.9
140°	856.7	856.7	856.2	855.3	854.3	853.5	852.6
142.5°	887.8	888.0	887.7	886.8	885.9	884.9	884.0
145°	934.9	935.1	934.8	933.9	933.0	932.1	931.2
147.5°	976.4	976.9	976.7	975.9	975.0	974.2	973.3
150°	1002.8	1003.4	1003.4	1002.8	1002.1	1001.4	1000.8
152.5°	1029.1	1030.0	1030.0	1029.1	1028.2	1027.4	1026.5
155°	1062.6	1063.7	1063.9	1063.2	1062.6	1061.9	1061.2
157.5°	1093.6	1095.1	1095.3	1094.3	1093.2	1092.1	1091.1
160°	1111.6	1113.0	1113.2	1112.3	1111.4	1110.4	1109.5
162.5°	1128.2	1129.7	1130.0	1128.9	1127.8	1126.8	1125.7
165°	1149.5	1151.1	1151.3	1150.2	1149.1	1148.0	1146.9
167.5°	1167.1	1168.6	1168.8	1167.7	1166.5	1165.4	1164.2
170°	1176.8	1178.3	1178.4	1177.1	1175.8	1174.4	1173.1
172.5°	1184.1	1185.6	1185.7	1184.4	1183.1	1181.6	1180.3
175°	1191.8	1193.5	1193.6	1192.2	1190.8	1189.5	1188.2
177.5°	1195.1	1196.1	1196.1	1195.1	1194.0	1192.9	1191.8
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

(END OF REPORT)