

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: P331793-940

Luminaire Tested: **S122RDIW-S485D970U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331793-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S485D970U940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5110.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

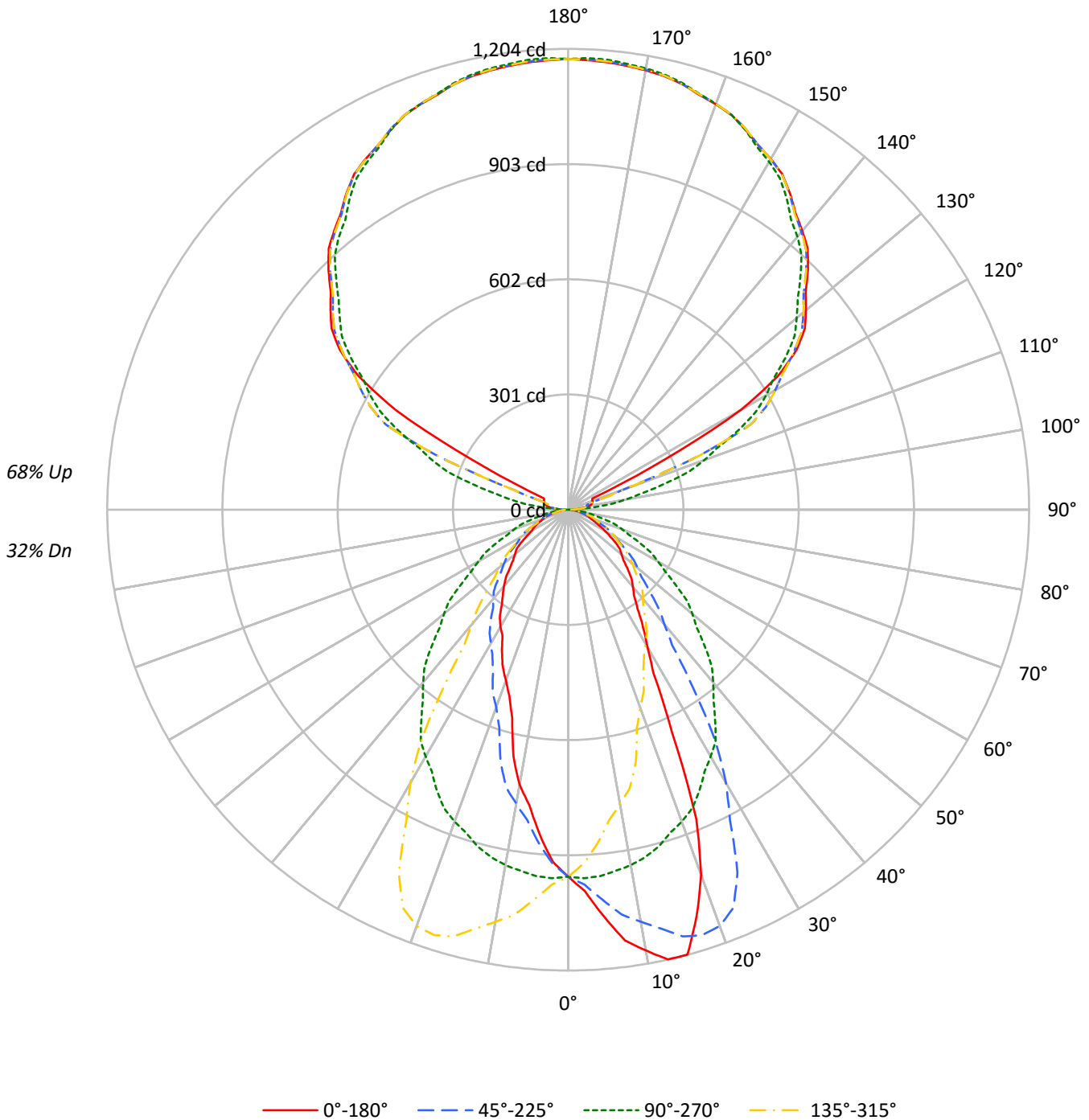
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	32				
1	94	90	87	83	85	82	79	76	65	63	61	50	49	48	36	35	35	28				
2	86	79	74	69	78	72	67	63	58	54	51	45	42	41	32	31	30	25				
3	79	70	63	58	71	64	58	53	51	47	44	40	37	35	29	28	26	21				
4	73	62	55	50	65	57	50	46	46	41	38	36	33	30	26	25	23	19				
5	67	56	48	43	60	51	44	39	41	37	33	32	29	27	24	22	20	17				
6	62	50	43	37	55	46	39	34	37	33	29	29	26	24	22	20	18	15				
7	57	45	38	33	51	42	35	30	34	29	26	27	24	21	20	18	16	14				
8	53	41	34	29	48	38	31	27	31	26	23	25	21	19	19	17	15	12				
9	49	38	31	26	45	35	28	24	29	24	21	23	20	17	18	15	14	11				
10	46	35	28	23	42	32	26	22	26	22	19	21	18	16	16	14	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15474	15474	15474	15474
5°	17280	15571	13807	15571
10°	19174	15462	11968	15462
15°	20117	15234	9429	15234
20°	17438	14899	8158	14899
25°	11437	14439	7285	14439
30°	7700	13882	6594	13882
35°	6236	13180	5947	13180
40°	5545	12416	5503	12416
45°	5019	11520	4912	11520
50°	4567	10630	4549	10630
55°	4293	9647	4236	9647
60°	3591	8741	3549	8741
65°	3030	7939	3435	7939
70°	2799	7091	3238	7091
75°	2620	6170	2994	6170
80°	2408	5077	2659	5077
85°	2205	4020	2353	4020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.8
10°-20°	253.1	5.0
20°-30°	326.2	6.4
30°-40°	310.0	6.1
40°-50°	265.6	5.2
50°-60°	202.2	4.0
60°-70°	127.8	2.5
70°-80°	63.8	1.2
80°-90°	19.5	0.4
90°-100°	39.3	0.8
100°-110°	144.0	2.8
110°-120°	385.0	7.5
120°-130°	635.6	12.4
130°-140°	675.9	13.2
140°-150°	628.3	12.3
150°-160°	505.1	9.9
160°-170°	325.5	6.4
170°-180°	112.0	2.2
0°-30°	670.2	13.1
0°-40°	980.2	19.2
0°-60°	1448.0	28.3
0°-90°	1659.2	32.5
90°-120°	568.4	11.1
90°-150°	2508.2	49.1
90°-180°	3451.0	67.5
0°-180°	5110.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	1066	961	852	961	1066	105
15°	1204	911	564	911	1204	325
25°	642	810	409	810	642	305
35°	316	669	302	669	316	202
45°	220	504	215	504	220	170
55°	152	343	150	343	152	134
65°	79	208	90	208	79	81
75°	42	99	48	99	42	45
85°	12	22	13	22	12	13
90°	23	1	23	1	23	11
95°	37	55	37	55	37	34
105°	65	259	65	259	65	67
115°	70	490	70	490	70	175
125°	728	693	728	693	728	630
135°	885	857	885	857	885	682
145°	1010	994	1010	994	1010	631
155°	1096	1095	1096	1095	1096	506
165°	1151	1154	1151	1154	1151	325
175°	1173	1180	1173	1180	1173	112
180°	1178	1178	1178	1178	1178	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	997.3	998.1	998.9	997.0	997.0	995.4	991.9	989.3	981.8	980.7	980.7
5°	1066.2	1065.6	1066.9	1062.6	1056.6	1055.3	1048.9	1040.6	1032.0	1022.3	1020.3
7.5°	1134.9	1133.9	1131.2	1130.4	1125.9	1115.8	1105.6	1094.8	1080.4	1066.3	1059.3
10°	1169.5	1180.4	1173.8	1162.2	1164.5	1148.9	1140.5	1126.2	1114.2	1093.2	1088.6
12.5°	1203.5	1207.9	1205.8	1199.2	1196.2	1185.4	1174.1	1161.6	1139.5	1120.7	1104.3
15°	1203.5	1209.8	1211.5	1209.4	1211.1	1210.4	1204.4	1194.1	1174.8	1154.1	1136.2
17.5°	1114.6	1119.0	1129.9	1137.3	1146.7	1166.4	1176.1	1179.9	1177.0	1165.2	1152.5
20°	1014.9	1007.6	1038.3	1053.9	1067.3	1100.5	1129.2	1140.1	1157.8	1157.5	1154.1
22.5°	873.8	875.5	904.6	923.1	962.1	995.3	1028.0	1069.3	1103.5	1126.1	1139.2
25°	642.0	654.7	683.7	708.9	752.2	814.2	870.5	935.8	997.3	1046.0	1092.3
27.5°	482.1	483.1	506.0	529.5	555.2	605.9	676.8	754.7	842.6	915.0	998.4
30°	413.0	410.9	420.6	434.9	456.9	496.1	549.5	626.1	713.6	822.9	920.1
32.5°	363.9	364.0	371.3	381.9	400.1	426.6	463.2	525.3	608.1	715.5	829.5
35°	316.4	316.0	321.4	329.0	336.6	353.7	378.6	411.3	468.2	568.5	685.0
37.5°	282.2	283.7	286.3	291.1	299.5	309.0	324.0	345.9	386.5	445.8	543.7
40°	263.1	263.8	267.4	271.4	276.4	283.7	296.0	313.7	343.3	390.6	462.2
42.5°	245.5	246.1	248.8	252.4	256.4	263.8	273.9	289.2	313.3	350.1	409.2
45°	219.8	219.8	222.1	223.7	228.1	234.8	243.1	255.7	272.4	299.7	339.0
47.5°	195.6	195.7	197.2	200.1	202.9	208.0	216.2	226.6	238.7	259.8	293.4
50°	181.8	182.2	183.2	185.5	187.2	191.8	198.1	207.1	219.8	236.1	264.0
52.5°	170.6	170.4	171.7	172.7	173.8	177.2	181.9	189.8	201.2	215.3	238.5
55°	152.5	151.1	153.2	154.8	155.9	157.2	159.8	164.9	174.5	186.5	203.8
57.5°	129.8	129.3	130.7	132.2	135.4	139.0	141.2	144.5	149.5	158.0	175.2
60°	111.2	111.2	114.2	115.2	118.9	123.5	128.2	130.9	135.9	141.5	154.2
62.5°	94.7	95.0	96.4	97.4	99.4	105.1	111.7	117.5	122.3	127.7	136.1
65°	79.3	79.9	79.9	80.6	81.9	83.3	85.9	90.6	98.9	106.6	112.9
67.5°	67.2	67.5	67.7	68.3	68.7	70.1	71.2	73.3	75.2	82.5	90.3
70°	59.3	60.3	59.9	60.6	60.9	61.6	63.0	63.9	67.0	68.6	73.3
72.5°	51.8	52.5	52.5	52.9	53.8	53.9	54.9	55.9	57.9	59.3	61.8
75°	42.0	41.6	42.0	42.6	43.0	43.2	43.2	44.6	45.7	47.0	48.6
77.5°	32.4	32.7	32.6	32.7	32.7	33.3	33.3	33.9	34.9	35.6	36.4
80°	25.9	26.3	25.9	26.3	26.7	26.9	26.7	26.9	28.0	28.6	28.6
82.5°	20.2	20.2	20.4	20.4	20.5	20.6	21.0	21.1	21.8	21.7	21.9
85°	11.9	11.7	11.7	11.7	11.9	12.3	11.9	11.9	12.3	12.3	12.3
87.5°	8.8	9.1	9.0	8.9	8.8	8.7	8.5	8.6	8.1	8.2	7.7
90°	23.0	22.6	22.2	21.8	21.5	20.9	19.9	18.9	18.0	17.0	15.5
92.5°	23.0	22.7	22.6	22.3	22.1	21.8	21.2	20.8	20.2	19.8	19.0
95°	36.6	36.8	37.0	37.2	37.4	37.0	36.1	35.1	34.2	33.3	31.9
97.5°	48.9	48.7	48.4	48.2	48.0	47.5	46.7	46.0	45.2	44.5	41.4
100°	57.1	56.7	56.4	55.9	55.6	54.7	53.1	51.6	50.1	48.6	45.4
102.5°	61.2	60.6	60.1	59.6	59.0	57.8	55.8	53.9	51.9	49.9	46.9
105°	64.7	64.0	63.2	62.5	61.7	60.3	58.2	56.2	54.0	52.0	49.7
107.5°	66.6	65.9	65.1	64.4	63.6	64.3	66.4	68.5	70.6	72.8	75.1
110°	67.3	66.5	65.8	65.0	64.3	73.4	92.3	111.2	130.2	149.1	203.8



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	981.2	979.2	977.3	972.5	970.1	964.7	963.9	963.7	956.8	950.1	948.2
5°	1014.9	1009.7	1001.7	992.3	982.7	972.7	966.0	960.7	947.4	934.7	927.4
7.5°	1048.9	1037.5	1023.7	1006.0	991.3	974.8	962.6	951.5	932.6	914.5	902.3
10°	1074.2	1055.6	1037.3	1013.0	994.0	975.4	958.1	943.1	921.8	897.8	880.7
12.5°	1089.9	1069.4	1044.2	1020.5	995.9	972.1	949.0	929.7	904.7	879.9	859.7
15°	1111.3	1089.2	1058.6	1024.7	993.0	962.1	935.4	911.4	878.8	849.2	824.5
17.5°	1128.6	1098.3	1065.4	1026.2	989.5	950.2	915.9	885.2	848.9	813.2	784.2
20°	1134.2	1104.2	1066.2	1027.0	983.6	937.4	900.4	867.1	828.1	789.2	755.9
22.5°	1130.7	1107.4	1065.1	1018.2	973.8	925.4	883.7	845.0	801.8	762.1	723.4
25°	1107.2	1099.2	1059.3	1008.0	957.3	901.1	852.8	810.5	761.3	718.6	676.6
27.5°	1052.4	1069.7	1044.9	990.2	934.0	873.6	819.4	771.2	720.1	672.1	630.3
30°	999.7	1039.3	1028.6	978.0	915.1	855.8	794.9	744.6	690.0	640.7	599.4
32.5°	927.5	992.9	1003.4	961.0	895.9	830.7	766.9	716.8	659.9	607.9	567.7
35°	812.5	910.4	955.4	928.4	863.1	792.9	726.9	668.7	611.4	560.1	520.1
37.5°	675.4	808.7	883.7	885.6	825.6	752.6	680.8	622.9	564.3	514.0	470.7
40°	586.4	730.9	828.5	850.2	799.5	720.6	648.0	589.1	531.8	482.5	432.9
42.5°	506.5	650.5	770.4	808.1	767.9	689.5	616.6	555.0	499.3	452.6	402.0
45°	409.6	535.5	667.6	734.9	712.7	640.0	563.1	504.5	452.2	411.9	363.3
47.5°	345.5	434.3	562.1	653.2	652.7	586.5	510.9	454.7	406.2	368.5	329.0
50°	309.0	386.3	494.5	597.7	606.4	550.8	478.8	423.2	378.0	338.3	306.7
52.5°	276.3	339.9	437.2	536.2	560.8	512.6	442.9	391.6	347.6	311.1	284.0
55°	233.4	282.7	356.7	449.2	486.5	452.5	390.6	342.7	307.0	276.4	253.1
57.5°	197.4	234.4	293.7	368.3	411.7	390.3	339.3	300.3	269.8	242.1	223.7
60°	174.9	205.1	255.4	317.7	365.6	350.6	307.0	270.7	244.8	220.8	203.5
62.5°	153.6	179.6	222.7	273.2	317.2	310.9	275.4	244.9	222.1	200.3	185.7
65°	123.5	142.5	176.1	215.8	251.1	254.0	228.5	207.8	187.4	170.1	157.2
67.5°	98.4	110.8	134.5	167.8	194.3	203.8	188.1	172.3	156.1	142.8	131.5
70°	82.9	92.9	110.2	137.2	161.5	171.5	162.5	150.2	136.2	125.2	115.6
72.5°	67.2	77.0	89.7	109.5	130.4	141.2	138.0	129.1	117.8	108.7	99.6
75°	50.6	53.6	62.2	75.6	91.9	101.2	103.5	98.9	89.9	82.9	77.6
77.5°	37.5	39.2	43.3	50.4	61.0	69.3	72.8	72.2	66.0	62.0	57.0
80°	30.0	30.9	33.0	35.9	44.0	52.3	54.6	54.6	50.3	48.6	43.6
82.5°	22.7	23.5	24.7	26.4	30.1	37.4	39.9	40.5	37.7	35.6	31.7
85°	13.0	12.7	13.3	14.4	15.0	16.9	21.0	21.7	21.0	18.3	17.3
87.5°	7.3	7.3	7.0	6.3	6.2	6.1	7.0	7.9	7.2	6.9	6.8
90°	14.0	12.5	11.0	9.2	7.1	5.0	2.9	0.9	2.9	5.0	7.1
92.5°	18.3	17.5	16.8	16.5	16.7	16.9	17.0	17.2	17.0	16.9	16.7
95°	30.6	29.2	27.9	30.4	36.6	42.9	49.1	55.4	49.1	42.9	36.6
97.5°	38.3	35.3	32.2	39.5	57.1	74.7	92.3	109.9	92.3	74.7	57.1
100°	42.1	38.9	35.7	47.1	73.0	98.9	124.8	150.8	124.8	98.9	73.0
102.5°	103.8	130.7	157.7	173.8	179.3	184.9	190.3	195.8	190.3	184.9	179.3
105°	155.3	207.1	258.8	281.8	276.1	270.4	264.7	259.0	264.7	270.4	276.1
107.5°	196.7	258.8	320.7	349.5	344.8	340.3	335.7	331.1	335.7	340.3	344.8
110°	258.6	313.3	368.0	393.3	389.4	385.4	381.5	377.5	381.5	385.4	389.4



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	944.8	942.9	939.4	934.2	930.9	925.3	921.6	923.7	924.3	923.7	923.2
5°	919.4	912.4	902.8	893.4	884.8	875.5	870.1	867.8	863.1	860.5	859.2
7.5°	888.7	876.6	863.0	846.8	832.9	818.5	811.1	807.4	797.9	792.7	788.2
10°	865.8	846.8	833.1	811.8	798.9	779.9	766.9	767.2	754.2	746.9	741.5
12.5°	840.5	819.7	796.9	777.8	759.7	744.5	728.8	722.5	708.6	701.6	687.2
15°	798.5	774.2	750.3	724.2	706.0	682.3	659.7	632.0	609.8	590.4	585.1
17.5°	752.7	722.6	698.6	668.1	636.7	596.9	570.7	554.6	541.2	531.0	523.4
20°	721.3	690.6	665.0	619.0	576.8	549.7	530.5	518.2	504.2	493.2	487.1
22.5°	688.2	656.3	621.3	570.0	537.1	515.4	498.2	484.0	474.6	466.0	460.6
25°	641.3	606.4	548.8	513.4	486.9	464.2	452.2	443.5	433.5	421.9	416.6
27.5°	591.8	536.2	494.8	468.6	443.2	428.5	417.7	404.7	395.8	390.6	385.0
30°	554.7	499.2	466.9	438.2	420.3	403.9	391.3	384.0	375.3	366.3	362.7
32.5°	513.4	469.0	438.1	414.3	396.0	382.1	372.1	360.3	354.0	348.5	340.8
35°	462.2	428.6	400.3	380.9	363.6	352.3	340.6	333.7	322.4	317.7	314.7
37.5°	418.7	389.6	368.5	348.1	334.4	321.9	314.8	303.6	298.7	292.2	285.9
40°	394.2	365.6	345.4	328.7	313.3	304.0	295.1	286.1	278.7	275.7	268.0
42.5°	369.3	345.9	325.6	307.4	297.1	287.2	275.9	269.3	261.6	256.8	252.1
45°	334.7	314.1	296.7	281.7	270.4	260.1	252.7	241.7	237.5	227.7	223.7
47.5°	304.3	285.1	268.6	254.3	243.3	236.6	225.9	217.2	210.4	204.4	199.3
50°	282.7	266.7	250.7	238.1	228.1	218.5	207.5	203.1	192.4	189.5	186.5
52.5°	263.0	247.8	233.2	220.8	210.8	201.4	191.7	186.1	178.9	175.8	173.7
55°	235.4	220.8	206.8	195.8	185.8	176.1	170.1	163.2	159.8	157.5	154.8
57.5°	207.7	194.6	183.8	172.7	162.6	155.0	148.0	143.8	140.4	137.3	134.1
60°	190.1	177.5	167.8	157.5	147.2	140.9	135.5	130.5	126.5	121.9	120.6
62.5°	171.5	160.4	151.6	141.5	132.5	126.7	121.7	117.0	112.2	105.4	103.5
65°	145.9	137.2	127.9	119.6	111.6	105.9	98.5	93.3	91.2	90.6	90.2
67.5°	122.7	114.5	106.5	98.0	90.7	85.4	81.7	80.9	79.5	79.1	78.2
70°	107.2	99.6	91.6	83.6	76.6	75.6	74.3	72.9	71.2	70.6	69.9
72.5°	93.4	85.4	77.5	71.1	68.0	66.8	65.5	64.1	63.0	62.3	62.0
75°	71.6	64.3	58.9	56.6	54.9	53.9	52.0	50.9	50.3	49.3	49.0
77.5°	51.5	47.4	44.9	43.5	41.7	40.7	39.6	38.5	37.8	37.6	37.1
80°	39.3	37.3	35.7	33.6	33.0	31.7	31.3	30.3	30.7	29.6	29.6
82.5°	30.5	28.0	26.6	25.7	25.0	23.9	23.5	23.1	23.2	22.5	22.5
85°	15.7	15.0	14.4	13.6	13.6	12.7	13.0	12.7	12.7	11.9	11.7
87.5°	6.9	7.0	6.8	7.0	7.4	7.4	7.6	7.5	7.7	7.9	7.8
90°	9.2	11.0	12.5	14.0	15.5	17.0	18.0	18.9	19.9	20.9	21.5
92.5°	16.5	16.8	17.5	18.3	19.0	19.8	20.2	20.8	21.2	21.8	22.1
95°	30.4	27.9	29.2	30.6	31.9	33.3	34.2	35.1	36.1	37.0	37.4
97.5°	39.5	32.2	35.3	38.3	41.4	44.5	45.2	46.0	46.7	47.5	48.0
100°	47.1	35.7	38.9	42.1	45.4	48.6	50.1	51.6	53.1	54.7	55.6
102.5°	173.8	157.7	130.7	103.8	76.9	49.9	51.9	53.9	55.8	57.8	59.0
105°	281.8	258.8	207.1	155.3	103.7	52.0	54.0	56.2	58.2	60.3	61.7
107.5°	349.5	320.7	258.8	196.7	134.7	72.8	70.6	68.5	66.4	64.3	63.6
110°	393.3	368.0	313.3	258.6	203.8	149.1	130.2	111.2	92.3	73.4	64.3



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	920.2	920.8	920.0	920.5	920.0	920.8	920.2	923.2	923.7	924.3	923.7
5°	857.5	853.5	852.8	851.9	852.8	853.5	857.5	859.2	860.5	863.1	867.8
7.5°	782.5	781.9	780.2	777.8	780.2	781.9	782.5	788.2	792.7	797.9	807.4
10°	734.2	732.6	732.3	730.0	732.3	732.6	734.2	741.5	746.9	754.2	767.2
12.5°	677.8	667.1	665.9	660.1	665.9	667.1	677.8	687.2	701.6	708.6	722.5
15°	577.1	575.1	568.5	564.1	568.5	575.1	577.1	585.1	590.4	609.8	632.0
17.5°	519.5	513.0	511.0	510.1	511.0	513.0	519.5	523.4	531.0	541.2	554.6
20°	482.5	476.5	475.5	474.8	475.5	476.5	482.5	487.1	493.2	504.2	518.2
22.5°	456.9	450.7	448.1	446.1	448.1	450.7	456.9	460.6	466.0	474.6	484.0
25°	413.2	410.9	409.6	408.9	409.6	410.9	413.2	416.6	421.9	433.5	443.5
27.5°	379.1	374.0	372.9	371.2	372.9	374.0	379.1	385.0	390.6	395.8	404.7
30°	359.6	357.9	355.6	353.7	355.6	357.9	359.6	362.7	366.3	375.3	384.0
32.5°	336.7	335.4	333.2	332.3	333.2	335.4	336.7	340.8	348.5	354.0	360.3
35°	311.4	306.7	304.7	301.7	304.7	306.7	311.4	314.7	317.7	322.4	333.7
37.5°	284.5	282.0	279.3	280.3	279.3	282.0	284.5	285.9	292.2	298.7	303.6
40°	263.8	262.1	261.4	261.1	261.4	262.1	263.8	268.0	275.7	278.7	286.1
42.5°	247.2	242.6	240.9	240.9	240.9	242.6	247.2	252.1	256.8	261.6	269.3
45°	222.1	217.8	214.8	215.1	214.8	217.8	222.1	223.7	227.7	237.5	241.7
47.5°	196.4	196.3	194.4	195.0	194.4	196.3	196.4	199.3	204.4	210.4	217.2
50°	184.1	182.2	180.8	181.1	180.8	182.2	184.1	186.5	189.5	192.4	203.1
52.5°	172.5	170.7	169.6	171.0	169.6	170.7	172.5	173.7	175.8	178.9	186.1
55°	153.2	151.1	150.9	150.5	150.9	151.1	153.2	154.8	157.5	159.8	163.2
57.5°	131.7	130.4	128.3	127.5	128.3	130.4	131.7	134.1	137.3	140.4	143.8
60°	116.2	113.5	110.2	109.9	110.2	113.5	116.2	120.6	121.9	126.5	130.5
62.5°	102.1	101.6	100.9	100.9	100.9	101.6	102.1	103.5	105.4	112.2	117.0
65°	89.6	89.3	89.6	89.9	89.6	89.3	89.6	90.2	90.6	91.2	93.3
67.5°	78.0	77.5	76.9	77.1	76.9	77.5	78.0	78.2	79.1	79.5	80.9
70°	69.3	68.9	68.6	68.6	68.6	68.9	69.3	69.9	70.6	71.2	72.9
72.5°	60.7	60.6	60.4	60.1	60.4	60.6	60.7	62.0	62.3	63.0	64.1
75°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	49.0	49.3	50.3	50.9
77.5°	37.0	36.7	36.4	36.1	36.4	36.7	37.0	37.1	37.6	37.8	38.5
80°	29.3	29.0	28.6	28.6	28.6	29.0	29.3	29.6	29.6	30.7	30.3
82.5°	22.4	22.0	21.9	21.7	21.9	22.0	22.4	22.5	22.5	23.2	23.1
85°	11.9	12.3	11.9	12.7	11.9	12.3	11.9	11.7	11.9	12.7	12.7
87.5°	7.8	7.7	8.0	7.8	8.0	7.7	7.8	7.8	7.9	7.7	7.5
90°	21.8	22.2	22.6	23.0	22.6	22.2	21.8	21.5	20.9	19.9	18.9
92.5°	22.3	22.6	22.7	23.0	22.7	22.6	22.3	22.1	21.8	21.2	20.8
95°	37.2	37.0	36.8	36.6	36.8	37.0	37.2	37.4	37.0	36.1	35.1
97.5°	48.2	48.4	48.7	48.9	48.7	48.4	48.2	48.0	47.5	46.7	46.0
100°	55.9	56.4	56.7	57.1	56.7	56.4	55.9	55.6	54.7	53.1	51.6
102.5°	59.6	60.1	60.6	61.2	60.6	60.1	59.6	59.0	57.8	55.8	53.9
105°	62.5	63.2	64.0	64.7	64.0	63.2	62.5	61.7	60.3	58.2	56.2
107.5°	64.4	65.1	65.9	66.6	65.9	65.1	64.4	63.6	64.3	66.4	68.5
110°	65.0	65.8	66.5	67.3	66.5	65.8	65.0	64.3	73.4	92.3	111.2



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	921.6	925.3	930.9	934.2	939.4	942.9	944.8	948.2	950.1	956.8	963.7
5°	870.1	875.5	884.8	893.4	902.8	912.4	919.4	927.4	934.7	947.4	960.7
7.5°	811.1	818.5	832.9	846.8	863.0	876.6	888.7	902.3	914.5	932.6	951.5
10°	766.9	779.9	798.9	811.8	833.1	846.8	865.8	880.7	897.8	921.8	943.1
12.5°	728.8	744.5	759.7	777.8	796.9	819.7	840.5	859.7	879.9	904.7	929.7
15°	659.7	682.3	706.0	724.2	750.3	774.2	798.5	824.5	849.2	878.8	911.4
17.5°	570.7	596.9	636.7	668.1	698.6	722.6	752.7	784.2	813.2	848.9	885.2
20°	530.5	549.7	576.8	619.0	665.0	690.6	721.3	755.9	789.2	828.1	867.1
22.5°	498.2	515.4	537.1	570.0	621.3	656.3	688.2	723.4	762.1	801.8	845.0
25°	452.2	464.2	486.9	513.4	548.8	606.4	641.3	676.6	718.6	761.3	810.5
27.5°	417.7	428.5	443.2	468.6	494.8	536.2	591.8	630.3	672.1	720.1	771.2
30°	391.3	403.9	420.3	438.2	466.9	499.2	554.7	599.4	640.7	690.0	744.6
32.5°	372.1	382.1	396.0	414.3	438.1	469.0	513.4	567.7	607.9	659.9	716.8
35°	340.6	352.3	363.6	380.9	400.3	428.6	462.2	520.1	560.1	611.4	668.7
37.5°	314.8	321.9	334.4	348.1	368.5	389.6	418.7	470.7	514.0	564.3	622.9
40°	295.1	304.0	313.3	328.7	345.4	365.6	394.2	432.9	482.5	531.8	589.1
42.5°	275.9	287.2	297.1	307.4	325.6	345.9	369.3	402.0	452.6	499.3	555.0
45°	252.7	260.1	270.4	281.7	296.7	314.1	334.7	363.3	411.9	452.2	504.5
47.5°	225.9	236.6	243.3	254.3	268.6	285.1	304.3	329.0	368.5	406.2	454.7
50°	207.5	218.5	228.1	238.1	250.7	266.7	282.7	306.7	338.3	378.0	423.2
52.5°	191.7	201.4	210.8	220.8	233.2	247.8	263.0	284.0	311.1	347.6	391.6
55°	170.1	176.1	185.8	195.8	206.8	220.8	235.4	253.1	276.4	307.0	342.7
57.5°	148.0	155.0	162.6	172.7	183.8	194.6	207.7	223.7	242.1	269.8	300.3
60°	135.5	140.9	147.2	157.5	167.8	177.5	190.1	203.5	220.8	244.8	270.7
62.5°	121.7	126.7	132.5	141.5	151.6	160.4	171.5	185.7	200.3	222.1	244.9
65°	98.5	105.9	111.6	119.6	127.9	137.2	145.9	157.2	170.1	187.4	207.8
67.5°	81.7	85.4	90.7	98.0	106.5	114.5	122.7	131.5	142.8	156.1	172.3
70°	74.3	75.6	76.6	83.6	91.6	99.6	107.2	115.6	125.2	136.2	150.2
72.5°	65.5	66.8	68.0	71.1	77.5	85.4	93.4	99.6	108.7	117.8	129.1
75°	52.0	53.9	54.9	56.6	58.9	64.3	71.6	77.6	82.9	89.9	98.9
77.5°	39.6	40.7	41.7	43.5	44.9	47.4	51.5	57.0	62.0	66.0	72.2
80°	31.3	31.7	33.0	33.6	35.7	37.3	39.3	43.6	48.6	50.3	54.6
82.5°	23.5	23.9	25.0	25.7	26.6	28.0	30.5	31.7	35.6	37.7	40.5
85°	13.0	12.7	13.6	13.6	14.4	15.0	15.7	17.3	18.3	21.0	21.7
87.5°	7.6	7.4	7.4	7.0	6.8	7.0	6.9	6.8	6.9	7.2	7.9
90°	18.0	17.0	15.5	14.0	12.5	11.0	9.2	7.1	5.0	2.9	0.9
92.5°	20.2	19.8	19.0	18.3	17.5	16.8	16.5	16.7	16.9	17.0	17.2
95°	34.2	33.3	31.9	30.6	29.2	27.9	30.4	36.6	42.9	49.1	55.4
97.5°	45.2	44.5	41.4	38.3	35.3	32.2	39.5	57.1	74.7	92.3	109.9
100°	50.1	48.6	45.4	42.1	38.9	35.7	47.1	73.0	98.9	124.8	150.8
102.5°	51.9	49.9	76.9	103.8	130.7	157.7	173.8	179.3	184.9	190.3	195.8
105°	54.0	52.0	103.7	155.3	207.1	258.8	281.8	276.1	270.4	264.7	259.0
107.5°	70.6	72.8	134.7	196.7	258.8	320.7	349.5	344.8	340.3	335.7	331.1
110°	130.2	149.1	203.8	258.6	313.3	368.0	393.3	389.4	385.4	381.5	377.5



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P331793-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	963.9	964.7	970.1	972.5	977.3	979.2	981.2	980.7	980.7	981.8	989.3
5°	966.0	972.7	982.7	992.3	1001.7	1009.7	1014.9	1020.3	1022.3	1032.0	1040.6
7.5°	962.6	974.8	991.3	1006.0	1023.7	1037.5	1048.9	1059.3	1066.3	1080.4	1094.8
10°	958.1	975.4	994.0	1013.0	1037.3	1055.6	1074.2	1088.6	1093.2	1114.2	1126.2
12.5°	949.0	972.1	995.9	1020.5	1044.2	1069.4	1089.9	1104.3	1120.7	1139.5	1161.6
15°	935.4	962.1	993.0	1024.7	1058.6	1089.2	1111.3	1136.2	1154.1	1174.8	1194.1
17.5°	915.9	950.2	989.5	1026.2	1065.4	1098.3	1128.6	1152.5	1165.2	1177.0	1179.9
20°	900.4	937.4	983.6	1027.0	1066.2	1104.2	1134.2	1154.1	1157.5	1157.8	1140.1
22.5°	883.7	925.4	973.8	1018.2	1065.1	1107.4	1130.7	1139.2	1126.1	1103.5	1069.3
25°	852.8	901.1	957.3	1008.0	1059.3	1099.2	1107.2	1092.3	1046.0	997.3	935.8
27.5°	819.4	873.6	934.0	990.2	1044.9	1069.7	1052.4	998.4	915.0	842.6	754.7
30°	794.9	855.8	915.1	978.0	1028.6	1039.3	999.7	920.1	822.9	713.6	626.1
32.5°	766.9	830.7	895.9	961.0	1003.4	992.9	927.5	829.5	715.5	608.1	525.3
35°	726.9	792.9	863.1	928.4	955.4	910.4	812.5	685.0	568.5	468.2	411.3
37.5°	680.8	752.6	825.6	885.6	883.7	808.7	675.4	543.7	445.8	386.5	345.9
40°	648.0	720.6	799.5	850.2	828.5	730.9	586.4	462.2	390.6	343.3	313.7
42.5°	616.6	689.5	767.9	808.1	770.4	650.5	506.5	409.2	350.1	313.3	289.2
45°	563.1	640.0	712.7	734.9	667.6	535.5	409.6	339.0	299.7	272.4	255.7
47.5°	510.9	586.5	652.7	653.2	562.1	434.3	345.5	293.4	259.8	238.7	226.6
50°	478.8	550.8	606.4	597.7	494.5	386.3	309.0	264.0	236.1	219.8	207.1
52.5°	442.9	512.6	560.8	536.2	437.2	339.9	276.3	238.5	215.3	201.2	189.8
55°	390.6	452.5	486.5	449.2	356.7	282.7	233.4	203.8	186.5	174.5	164.9
57.5°	339.3	390.3	411.7	368.3	293.7	234.4	197.4	175.2	158.0	149.5	144.5
60°	307.0	350.6	365.6	317.7	255.4	205.1	174.9	154.2	141.5	135.9	130.9
62.5°	275.4	310.9	317.2	273.2	222.7	179.6	153.6	136.1	127.7	122.3	117.5
65°	228.5	254.0	251.1	215.8	176.1	142.5	123.5	112.9	106.6	98.9	90.6
67.5°	188.1	203.8	194.3	167.8	134.5	110.8	98.4	90.3	82.5	75.2	73.3
70°	162.5	171.5	161.5	137.2	110.2	92.9	82.9	73.3	68.6	67.0	63.9
72.5°	138.0	141.2	130.4	109.5	89.7	77.0	67.2	61.8	59.3	57.9	55.9
75°	103.5	101.2	91.9	75.6	62.2	53.6	50.6	48.6	47.0	45.7	44.6
77.5°	72.8	69.3	61.0	50.4	43.3	39.2	37.5	36.4	35.6	34.9	33.9
80°	54.6	52.3	44.0	35.9	33.0	30.9	30.0	28.6	28.6	28.0	26.9
82.5°	39.9	37.4	30.1	26.4	24.7	23.5	22.7	21.9	21.7	21.8	21.1
85°	21.0	16.9	15.0	14.4	13.3	12.7	13.0	12.3	12.3	12.3	11.9
87.5°	7.0	6.1	6.2	6.3	7.0	7.3	7.3	7.7	8.2	8.1	8.6
90°	2.9	5.0	7.1	9.2	11.0	12.5	14.0	15.5	17.0	18.0	18.9
92.5°	17.0	16.9	16.7	16.5	16.8	17.5	18.3	19.0	19.8	20.2	20.8
95°	49.1	42.9	36.6	30.4	27.9	29.2	30.6	31.9	33.3	34.2	35.1
97.5°	92.3	74.7	57.1	39.5	32.2	35.3	38.3	41.4	44.5	45.2	46.0
100°	124.8	98.9	73.0	47.1	35.7	38.9	42.1	45.4	48.6	50.1	51.6
102.5°	190.3	184.9	179.3	173.8	157.7	130.7	103.8	76.9	49.9	51.9	53.9
105°	264.7	270.4	276.1	281.8	258.8	207.1	155.3	103.7	52.0	54.0	56.2
107.5°	335.7	340.3	344.8	349.5	320.7	258.8	196.7	134.7	72.8	70.6	68.5
110°	381.5	385.4	389.4	393.3	368.0	313.3	258.6	203.8	149.1	130.2	111.2



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	991.9	995.4	997.0	997.0	998.9	998.1	997.3
5°	1048.9	1055.3	1056.6	1062.6	1066.9	1065.6	1066.2
7.5°	1105.6	1115.8	1125.9	1130.4	1131.2	1133.9	1134.9
10°	1140.5	1148.9	1164.5	1162.2	1173.8	1180.4	1169.5
12.5°	1174.1	1185.4	1196.2	1199.2	1205.8	1207.9	1203.5
15°	1204.4	1210.4	1211.1	1209.4	1211.5	1209.8	1203.5
17.5°	1176.1	1166.4	1146.7	1137.3	1129.9	1119.0	1114.6
20°	1129.2	1100.5	1067.3	1053.9	1038.3	1007.6	1014.9
22.5°	1028.0	995.3	962.1	923.1	904.6	875.5	873.8
25°	870.5	814.2	752.2	708.9	683.7	654.7	642.0
27.5°	676.8	605.9	555.2	529.5	506.0	483.1	482.1
30°	549.5	496.1	456.9	434.9	420.6	410.9	413.0
32.5°	463.2	426.6	400.1	381.9	371.3	364.0	363.9
35°	378.6	353.7	336.6	329.0	321.4	316.0	316.4
37.5°	324.0	309.0	299.5	291.1	286.3	283.7	282.2
40°	296.0	283.7	276.4	271.4	267.4	263.8	263.1
42.5°	273.9	263.8	256.4	252.4	248.8	246.1	245.5
45°	243.1	234.8	228.1	223.7	222.1	219.8	219.8
47.5°	216.2	208.0	202.9	200.1	197.2	195.7	195.6
50°	198.1	191.8	187.2	185.5	183.2	182.2	181.8
52.5°	181.9	177.2	173.8	172.7	171.7	170.4	170.6
55°	159.8	157.2	155.9	154.8	153.2	151.1	152.5
57.5°	141.2	139.0	135.4	132.2	130.7	129.3	129.8
60°	128.2	123.5	118.9	115.2	114.2	111.2	111.2
62.5°	111.7	105.1	99.4	97.4	96.4	95.0	94.7
65°	85.9	83.3	81.9	80.6	79.9	79.9	79.3
67.5°	71.2	70.1	68.7	68.3	67.7	67.5	67.2
70°	63.0	61.6	60.9	60.6	59.9	60.3	59.3
72.5°	54.9	53.9	53.8	52.9	52.5	52.5	51.8
75°	43.2	43.2	43.0	42.6	42.0	41.6	42.0
77.5°	33.3	33.3	32.7	32.7	32.6	32.7	32.4
80°	26.7	26.9	26.7	26.3	25.9	26.3	25.9
82.5°	21.0	20.6	20.5	20.4	20.4	20.2	20.2
85°	11.9	12.3	11.9	11.7	11.7	11.7	11.9
87.5°	8.5	8.7	8.8	8.9	9.0	9.1	8.8
90°	19.9	20.9	21.5	21.8	22.2	22.6	23.0
92.5°	21.2	21.8	22.1	22.3	22.6	22.7	23.0
95°	36.1	37.0	37.4	37.2	37.0	36.8	36.6
97.5°	46.7	47.5	48.0	48.2	48.4	48.7	48.9
100°	53.1	54.7	55.6	55.9	56.4	56.7	57.1
102.5°	55.8	57.8	59.0	59.6	60.1	60.6	61.2
105°	58.2	60.3	61.7	62.5	63.2	64.0	64.7
107.5°	66.4	64.3	63.6	64.4	65.1	65.9	66.6
110°	92.3	73.4	64.3	65.0	65.8	66.5	67.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)