

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: P331321-935

Luminaire Tested: **S122DIP-S485D1080U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331321-935
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: S122DIP-S485D1080U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1080 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5555.9 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

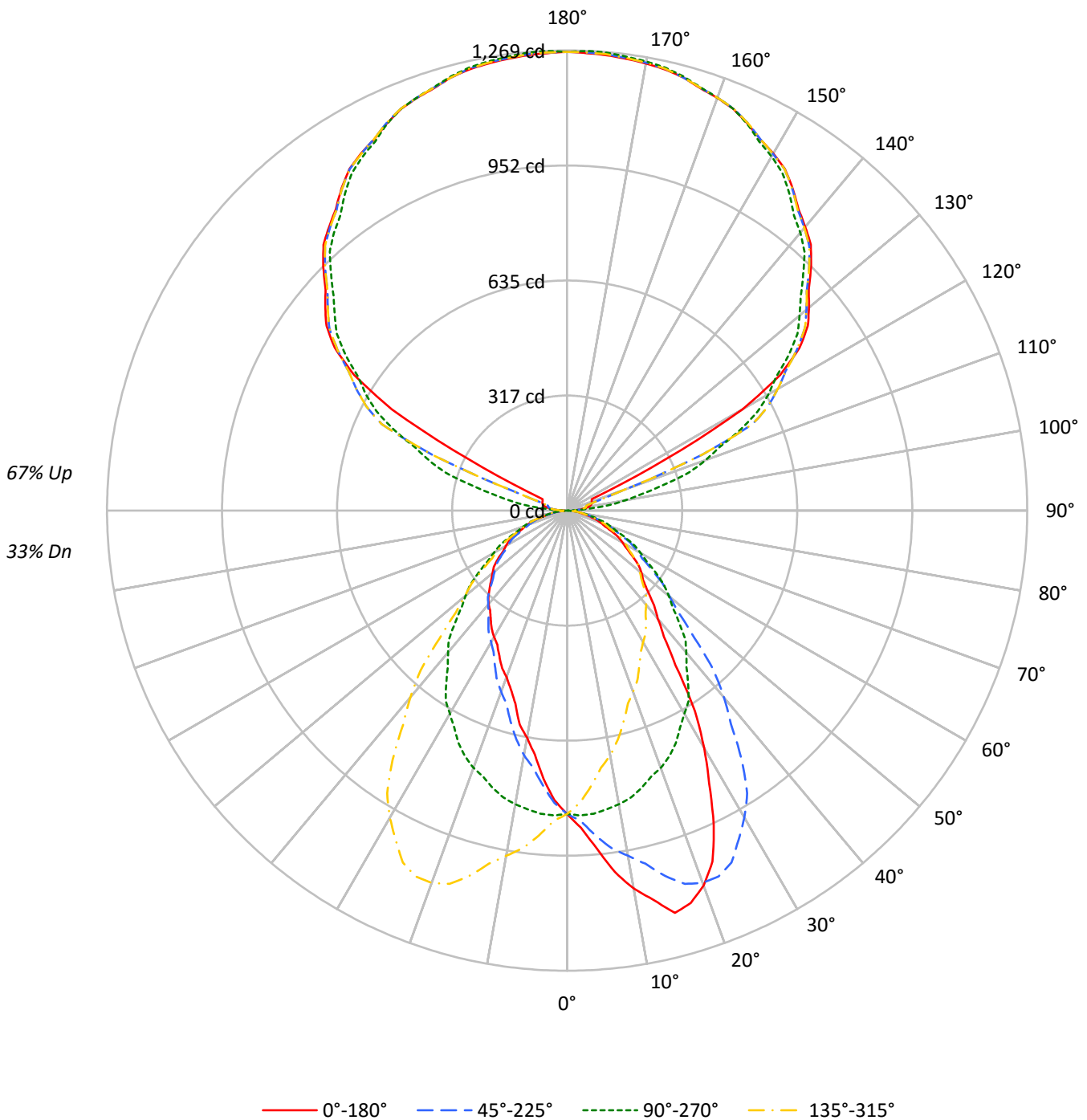
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35	29
2	86	79	73	68	77	72	67	63	58	54	51	45	42	40	32	31	30	24
3	79	70	63	57	71	63	57	53	51	47	43	40	37	34	29	27	26	21
4	72	62	54	49	65	56	50	45	45	41	37	35	32	30	26	24	23	18
5	66	55	47	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16
6	61	50	42	36	55	45	38	34	37	32	28	29	25	23	22	19	18	14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	17	16	13
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14	12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13508	13508	13508	13508
5°	15144	13598	12049	13598
10°	17354	13485	10427	13485
15°	19199	13237	9212	13237
20°	18907	12972	8399	12972
25°	17047	12618	7883	12618
30°	14087	12055	7506	12055
35°	10267	11466	7238	11466
40°	8201	10768	7088	10768
45°	7165	9965	6887	9965
50°	6737	9183	6752	9183
55°	6210	8391	6570	8391
60°	5690	7550	6290	7550
65°	5184	6793	6021	6793
70°	4707	6057	5618	6057
75°	4173	5234	4972	5234
80°	3589	4342	3998	4342
85°	3223	3223	2371	3223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.4
10°-20°	231.6	4.2
20°-30°	336.2	6.1
30°-40°	354.8	6.4
40°-50°	314.1	5.7
50°-60°	250.7	4.5
60°-70°	170.4	3.1
70°-80°	87.4	1.6
80°-90°	24.2	0.4
90°-100°	42.2	0.8
100°-110°	154.7	2.8
110°-120°	413.6	7.4
120°-130°	682.8	12.3
130°-140°	726.1	13.1
140°-150°	674.9	12.1
150°-160°	542.6	9.8
160°-170°	349.7	6.3
170°-180°	120.4	2.2
0°-30°	647.5	11.7
0°-40°	1002.3	18.0
0°-60°	1567.1	28.2
0°-90°	1849.0	33.3
90°-120°	610.5	11.0
90°-150°	2694.3	48.5
90°-180°	3707.0	66.7
0°-180°	5555.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	837	837	837	837	837	
5°	934	839	743	839	934	93
15°	1149	792	551	792	1149	317
25°	957	708	442	708	957	432
35°	521	582	367	582	521	339
45°	314	436	302	436	314	247
55°	221	298	233	298	221	198
65°	136	178	158	178	136	135
75°	67	84	80	84	67	71
85°	17	17	13	17	17	20
90°	25	1	25	1	25	12
95°	39	60	39	60	39	37
105°	70	278	70	278	70	72
115°	75	526	75	526	75	188
125°	783	744	783	744	783	677
135°	951	921	951	921	951	733
145°	1085	1068	1085	1068	1085	678
155°	1177	1176	1177	1176	1177	543
165°	1237	1239	1237	1239	1237	349
175°	1260	1268	1260	1268	1260	120
180°	1265	1265	1265	1265	1265	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	875.3	875.6	876.0	871.9	871.4	871.4	867.8	864.7	861.1	856.2	856.7
5°	934.4	938.0	939.3	935.4	929.6	928.9	923.5	914.5	906.1	899.4	894.6
7.5°	1005.0	1006.4	1003.3	998.2	993.9	986.2	976.0	966.0	952.1	939.3	929.8
10°	1058.5	1060.5	1055.0	1047.6	1041.5	1032.5	1017.7	1002.5	984.3	966.6	952.4
12.5°	1099.2	1104.0	1096.9	1096.0	1085.5	1073.2	1055.5	1047.8	1022.1	997.5	982.2
15°	1148.6	1148.2	1148.9	1142.8	1135.1	1133.2	1114.5	1094.2	1057.9	1043.4	1018.3
17.5°	1134.3	1139.2	1141.4	1141.3	1141.2	1140.0	1133.9	1121.2	1102.9	1079.5	1050.6
20°	1100.4	1106.7	1107.8	1115.2	1119.3	1124.8	1127.0	1123.5	1112.2	1092.6	1067.6
22.5°	1047.8	1049.6	1052.7	1064.2	1073.2	1086.9	1094.1	1106.0	1101.6	1092.1	1071.2
25°	956.9	953.7	964.9	970.8	991.6	1013.5	1029.2	1046.6	1062.0	1071.4	1065.3
27.5°	847.7	842.9	859.8	875.1	892.1	915.8	940.3	969.3	993.4	1023.6	1034.0
30°	755.6	758.5	774.6	791.0	816.7	850.2	877.8	909.6	944.1	977.8	1001.3
32.5°	656.3	667.4	677.6	702.7	725.4	762.7	803.2	843.0	886.0	924.3	960.6
35°	520.9	533.7	547.9	566.3	598.1	635.1	674.6	728.3	786.9	839.2	882.4
37.5°	438.4	436.4	444.5	457.8	483.5	513.4	558.9	612.0	680.9	742.4	803.2
40°	389.1	387.8	393.6	405.8	425.4	447.3	487.2	533.7	597.8	673.0	745.4
42.5°	355.1	355.9	359.1	367.7	381.2	399.2	429.0	468.7	527.3	598.1	675.9
45°	313.8	316.1	319.6	323.8	331.5	346.3	363.0	391.3	437.6	496.8	573.3
47.5°	284.1	284.2	287.7	291.4	296.0	304.4	318.1	335.8	368.4	416.6	482.4
50°	268.2	265.9	268.5	271.4	276.2	282.0	291.0	307.7	329.6	368.5	423.4
52.5°	248.7	248.7	251.0	252.1	256.4	262.2	270.4	282.0	301.8	332.3	377.5
55°	220.6	222.2	223.5	225.4	229.3	233.4	239.9	247.6	263.0	285.9	319.3
57.5°	194.2	194.8	196.0	199.7	202.2	206.0	212.1	219.1	229.1	246.1	271.2
60°	176.2	176.2	178.7	180.4	183.6	187.4	192.3	199.1	208.0	221.9	242.1
62.5°	159.7	159.5	160.5	163.2	165.6	169.2	174.0	179.8	188.2	200.5	217.1
65°	135.7	135.1	137.0	137.6	140.2	143.7	147.6	153.7	160.5	169.4	184.3
67.5°	112.5	113.3	114.3	115.5	117.0	120.7	123.3	127.6	133.3	140.8	150.8
70°	99.7	99.7	99.7	100.7	102.5	104.5	107.1	110.6	116.1	122.5	131.5
72.5°	85.2	86.3	87.3	86.8	89.2	90.3	93.4	95.4	100.7	104.8	112.7
75°	66.9	66.9	66.9	68.4	69.5	70.4	72.3	74.3	76.9	82.0	86.2
77.5°	49.9	49.8	50.1	50.5	51.5	52.7	53.2	55.0	57.3	59.8	63.3
80°	38.6	39.3	39.5	40.2	40.2	40.8	41.2	43.4	45.0	46.7	48.9
82.5°	29.9	30.0	30.0	30.1	30.4	30.8	31.6	32.4	32.9	34.3	36.0
85°	17.4	17.0	17.0	17.7	17.4	17.4	18.0	18.7	18.7	18.9	20.0
87.5°	11.6	11.5	11.7	11.4	11.3	11.5	11.2	10.8	10.8	10.8	10.8
90°	24.7	24.3	23.9	23.5	23.1	22.4	21.4	20.3	19.3	18.3	16.7
92.5°	24.7	24.5	24.2	24.0	23.8	23.3	22.8	22.3	21.8	21.3	20.4
95°	39.3	39.5	39.8	40.0	40.2	39.8	38.7	37.7	36.7	35.7	34.3
97.5°	52.5	52.3	52.1	51.8	51.6	51.1	50.2	49.4	48.6	47.8	44.5
100°	61.3	61.0	60.5	60.1	59.7	58.7	57.1	55.4	53.8	52.2	48.7
102.5°	65.7	65.2	64.6	64.0	63.5	62.1	60.0	57.9	55.8	53.6	48.6
105°	69.6	68.7	67.9	67.2	66.3	64.7	62.5	60.3	58.0	55.8	48.7
107.5°	71.5	70.8	69.9	69.1	68.4	69.1	71.3	73.6	75.9	78.2	144.7
110°	72.3	71.5	70.7	69.8	69.1	78.8	99.2	119.5	139.8	160.1	219.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	73.0	72.4	71.7	71.1	70.4	107.2	181.4	255.6	329.8	404.0	418.5
115°	75.1	89.7	104.4	119.0	133.6	188.0	282.2	376.3	470.5	564.7	559.6
117.5°	306.4	354.6	402.7	450.8	498.9	534.4	557.2	580.0	602.7	625.5	622.0
120°	558.4	585.7	613.2	640.7	668.1	680.7	678.2	675.8	673.3	670.9	667.3
122.5°	696.7	702.1	707.4	712.7	718.0	720.0	718.5	717.0	715.6	714.1	710.2
125°	782.6	782.0	781.4	780.8	780.2	779.1	777.7	776.3	774.8	773.4	769.6
127.5°	836.7	836.6	836.5	836.4	836.3	835.2	833.1	831.0	829.0	826.9	824.0
130°	870.5	870.6	870.8	871.1	871.2	870.2	868.0	865.7	863.5	861.3	859.0
132.5°	903.4	903.6	903.8	904.0	904.2	903.4	901.5	899.5	897.6	895.7	893.5
135°	951.0	951.4	951.7	952.2	952.6	951.7	949.8	947.7	945.7	943.7	941.8
137.5°	994.4	995.1	995.7	996.4	997.1	996.4	994.5	992.5	990.5	988.5	986.4
140°	1021.5	1022.4	1023.5	1024.5	1025.5	1025.1	1023.3	1021.5	1019.6	1017.8	1015.5
142.5°	1047.8	1048.9	1049.8	1050.9	1051.9	1051.5	1049.9	1048.2	1046.5	1044.9	1042.3
145°	1084.6	1085.6	1086.7	1087.7	1088.6	1088.5	1087.0	1085.6	1084.2	1082.8	1079.3
147.5°	1117.0	1117.8	1118.7	1119.6	1120.4	1120.3	1119.3	1118.2	1117.1	1116.1	1112.7
150°	1136.8	1137.8	1138.8	1139.8	1140.8	1140.7	1139.5	1138.3	1137.1	1135.8	1132.6
152.5°	1153.7	1154.9	1156.3	1157.6	1159.0	1159.1	1157.9	1156.6	1155.4	1154.2	1151.1
155°	1177.1	1178.7	1180.3	1181.9	1183.5	1183.8	1182.6	1181.3	1180.1	1178.9	1176.5
157.5°	1198.4	1200.1	1201.6	1203.2	1204.8	1204.9	1203.5	1202.1	1200.8	1199.4	1197.7
160°	1210.9	1212.4	1213.8	1215.2	1216.6	1216.7	1215.5	1214.3	1213.1	1211.9	1210.7
162.5°	1221.2	1222.9	1224.7	1226.4	1228.1	1228.4	1226.9	1225.5	1224.2	1222.8	1221.8
165°	1236.6	1237.9	1239.4	1240.8	1242.3	1242.3	1240.8	1239.4	1237.9	1236.6	1236.0
167.5°	1246.2	1248.1	1249.9	1251.7	1253.5	1253.8	1252.3	1250.9	1249.5	1248.1	1247.5
170°	1252.1	1254.0	1255.8	1257.6	1259.4	1259.6	1258.2	1256.8	1255.3	1254.0	1253.5
172.5°	1256.5	1258.4	1260.2	1262.0	1263.9	1264.0	1262.6	1261.2	1259.7	1258.4	1257.9
175°	1260.3	1262.4	1264.4	1266.4	1268.5	1268.8	1267.4	1265.9	1264.6	1263.1	1262.7
177.5°	1262.7	1264.2	1265.7	1267.1	1268.6	1268.8	1267.6	1266.4	1265.3	1264.2	1264.0
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	858.5	856.4	855.1	850.6	846.4	842.3	841.0	841.5	835.9	830.5	828.2
5°	892.0	885.5	879.4	870.7	860.5	849.2	843.4	839.0	827.7	815.5	808.4
7.5°	922.0	912.7	901.0	884.7	869.7	852.0	840.7	830.8	814.2	797.0	786.5
10°	940.2	927.6	912.6	892.6	874.3	852.7	837.7	822.5	803.2	782.6	769.8
12.5°	955.9	939.0	924.1	898.5	876.8	849.9	832.0	810.7	790.4	765.9	753.3
15°	993.2	962.1	933.8	904.8	878.1	840.5	820.6	791.9	765.3	735.0	720.6
17.5°	1022.1	987.1	942.5	905.8	874.6	832.9	803.7	769.4	737.8	703.3	683.6
20°	1038.6	998.4	950.5	906.8	869.4	821.9	790.1	755.0	718.0	679.1	657.9
22.5°	1048.4	1006.2	958.7	902.9	859.2	812.9	772.8	734.4	696.9	655.0	632.7
25°	1051.5	1012.9	962.7	899.7	846.3	793.9	745.6	708.3	663.1	623.8	591.3
27.5°	1036.1	1008.5	960.3	893.6	831.5	770.2	716.4	674.2	626.3	583.8	551.0
30°	1017.4	1001.3	954.3	887.4	819.6	753.7	694.6	646.6	599.1	555.9	522.5
32.5°	988.3	984.8	943.6	878.7	807.0	732.9	671.7	623.2	570.5	528.1	496.3
35°	931.2	946.7	920.6	859.2	783.3	703.3	637.0	581.7	527.0	486.5	456.6
37.5°	854.7	893.0	886.2	830.5	751.2	671.0	597.8	540.0	487.9	447.0	417.7
40°	801.9	850.8	857.9	808.7	728.7	646.0	568.5	510.9	460.1	422.8	393.2
42.5°	745.4	802.5	821.9	782.5	704.0	619.7	542.3	482.7	432.4	396.1	369.9
45°	650.5	726.1	761.1	738.6	662.7	576.5	496.8	436.4	390.7	356.6	336.3
47.5°	561.8	644.4	691.6	683.5	616.8	531.5	452.7	394.7	350.3	323.0	304.9
50°	499.0	583.9	640.8	643.4	583.9	499.4	420.3	365.6	324.8	299.4	284.6
52.5°	444.5	525.6	587.6	601.2	547.2	465.9	391.2	336.8	300.8	277.5	264.2
55°	373.3	441.8	510.7	535.7	492.3	415.1	345.9	298.1	264.3	248.2	236.7
57.5°	310.4	367.5	431.0	458.7	432.0	365.9	301.1	259.5	232.1	218.0	209.1
60°	277.2	322.2	378.8	411.9	388.7	329.9	273.3	233.8	211.3	198.7	190.4
62.5°	246.3	286.2	334.0	364.3	351.7	296.2	245.6	210.6	191.2	179.4	173.4
65°	203.2	234.7	271.7	299.7	291.4	249.2	207.8	177.8	162.4	153.1	148.3
67.5°	167.3	190.1	215.8	240.2	233.5	203.6	170.4	147.1	135.5	127.5	124.7
70°	144.7	162.0	184.9	204.5	199.1	174.6	148.3	128.3	118.3	111.6	108.7
72.5°	123.1	137.3	154.8	170.8	167.1	146.8	124.8	109.8	102.1	95.9	93.5
75°	92.9	103.8	114.5	125.1	124.2	108.4	95.5	83.9	77.8	73.0	72.1
77.5°	68.6	74.7	82.0	88.3	86.5	77.5	67.4	60.8	56.3	53.0	52.5
80°	52.4	56.0	61.1	65.6	63.4	59.5	51.5	46.7	43.4	40.2	38.9
82.5°	38.0	41.6	44.6	47.1	45.4	41.8	36.8	33.5	31.6	29.4	28.8
85°	20.0	21.9	23.2	23.8	23.2	20.9	18.7	17.4	15.8	14.8	14.5
87.5°	10.8	10.4	10.1	10.2	9.0	8.5	7.1	5.9	6.0	6.2	6.1
90°	15.1	13.4	11.8	9.9	7.7	5.4	3.2	0.9	3.2	5.4	7.7
92.5°	19.6	18.8	18.0	17.7	17.9	18.1	18.3	18.5	18.3	18.1	17.9
95°	32.9	31.4	30.0	32.6	39.3	46.1	52.8	59.5	52.8	46.1	39.3
97.5°	41.2	37.9	34.6	42.4	61.3	80.2	99.2	118.0	99.2	80.2	61.3
100°	45.3	41.8	38.3	50.5	78.4	106.2	134.1	162.0	134.1	106.2	78.4
102.5°	111.5	140.4	169.4	186.8	192.6	198.5	204.4	210.3	204.4	198.5	192.6
105°	166.9	222.4	277.9	302.6	296.5	290.4	284.4	278.3	284.4	290.4	296.5
107.5°	211.4	277.9	344.6	375.4	370.4	365.5	360.6	355.7	360.6	365.5	370.4
110°	277.8	336.5	395.3	422.6	418.3	414.1	409.7	405.4	409.7	414.1	418.3



TEST NUMBER: P331321-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	433.1	447.5	462.1	467.4	463.6	459.9	456.2	452.4	456.2	459.9	463.6
115°	554.6	549.5	544.4	540.1	536.7	533.2	529.8	526.3	529.8	533.2	536.7
117.5°	618.5	615.0	611.5	607.9	604.0	600.1	596.2	592.4	596.2	600.1	604.0
120°	663.6	660.0	656.3	652.9	649.9	646.8	643.8	640.7	643.8	646.8	649.9
122.5°	706.1	702.1	698.2	694.6	691.4	688.1	684.9	681.7	684.9	688.1	691.4
125°	765.7	761.8	757.9	754.7	752.1	749.4	746.7	744.2	746.7	749.4	752.1
127.5°	821.0	818.2	815.3	812.4	809.5	806.6	803.7	800.7	803.7	806.6	809.5
130°	856.8	854.5	852.3	849.5	846.4	843.1	839.8	836.5	839.8	843.1	846.4
132.5°	891.2	889.0	886.7	884.2	881.5	878.7	876.0	873.1	876.0	878.7	881.5
135°	940.0	938.1	936.3	933.8	930.6	927.3	924.0	920.8	924.0	927.3	930.6
137.5°	984.4	982.3	980.2	978.0	975.8	973.4	971.2	968.9	971.2	973.4	975.8
140°	1013.3	1011.1	1008.8	1006.9	1005.3	1003.7	1002.0	1000.4	1002.0	1003.7	1005.3
142.5°	1039.7	1037.2	1034.7	1032.6	1031.1	1029.7	1028.2	1026.7	1028.2	1029.7	1031.1
145°	1075.8	1072.4	1068.9	1067.3	1067.6	1067.7	1067.9	1068.2	1067.9	1067.7	1067.6
147.5°	1109.2	1105.9	1102.4	1101.1	1101.9	1102.7	1103.5	1104.2	1103.5	1102.7	1101.9
150°	1129.4	1126.1	1122.8	1122.0	1123.3	1124.8	1126.2	1127.7	1126.2	1124.8	1123.3
152.5°	1148.0	1144.9	1141.8	1141.1	1142.6	1144.2	1145.8	1147.4	1145.8	1144.2	1142.6
155°	1174.0	1171.6	1169.2	1168.8	1170.6	1172.5	1174.3	1176.1	1174.3	1172.5	1170.6
157.5°	1195.9	1194.3	1192.6	1192.5	1194.0	1195.6	1197.1	1198.7	1197.1	1195.6	1194.0
160°	1209.4	1208.2	1206.9	1206.9	1208.2	1209.4	1210.7	1211.9	1210.7	1209.4	1208.2
162.5°	1220.7	1219.6	1218.6	1218.7	1219.9	1221.1	1222.4	1223.6	1222.4	1221.1	1219.9
165°	1235.4	1234.7	1234.1	1234.4	1235.6	1236.8	1238.0	1239.3	1238.0	1236.8	1235.6
167.5°	1246.9	1246.4	1245.8	1246.1	1247.3	1248.5	1249.8	1251.0	1249.8	1248.5	1247.3
170°	1253.1	1252.8	1252.3	1252.8	1254.0	1255.2	1256.4	1257.6	1256.4	1255.2	1254.0
172.5°	1257.5	1257.1	1256.7	1257.1	1258.4	1259.6	1260.8	1262.0	1260.8	1259.6	1258.4
175°	1262.3	1261.9	1261.5	1262.0	1263.4	1264.8	1266.3	1267.7	1266.3	1264.8	1263.4
177.5°	1263.9	1263.7	1263.5	1264.0	1265.2	1266.3	1267.5	1268.6	1267.5	1266.3	1265.2
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9



TEST NUMBER: P331321-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	825.6	824.1	818.6	815.8	811.2	806.8	804.0	805.3	806.3	805.8	805.0
5°	801.9	795.8	786.5	778.4	772.7	762.1	757.6	755.4	753.4	751.1	748.9
7.5°	773.8	764.1	750.8	739.3	728.5	715.3	707.8	703.3	698.6	693.5	689.1
10°	753.7	740.2	726.1	710.0	697.2	685.2	674.6	667.5	661.1	655.0	650.5
12.5°	732.6	717.0	699.6	677.6	663.4	646.4	644.8	632.3	622.2	618.5	613.2
15°	699.0	677.2	655.0	629.0	617.7	602.3	592.6	583.0	574.3	568.2	566.5
17.5°	660.9	632.6	610.5	591.9	573.4	557.6	548.7	541.0	533.8	525.6	524.6
20°	631.8	607.4	583.3	566.9	547.9	531.8	520.9	513.2	507.0	502.2	498.1
22.5°	604.3	577.6	555.5	537.5	518.8	505.8	497.2	489.8	484.7	479.4	475.4
25°	560.2	539.2	515.1	494.9	479.4	471.1	464.0	457.5	454.3	450.8	446.3
27.5°	521.5	498.3	475.7	460.0	446.4	439.0	434.0	429.6	426.6	424.6	422.0
30°	494.2	470.7	453.1	437.6	426.4	419.0	415.8	413.2	409.7	408.4	407.1
32.5°	468.0	446.9	431.7	418.4	407.6	402.8	399.8	397.5	394.8	393.5	390.9
35°	430.8	413.2	398.4	391.0	382.3	378.2	375.9	372.6	370.1	368.9	368.5
37.5°	396.0	380.6	370.8	361.4	357.7	355.1	352.1	349.8	349.0	348.9	348.5
40°	373.3	360.8	352.1	344.4	342.8	338.9	336.3	334.4	334.4	334.8	334.4
42.5°	352.8	341.5	333.8	327.2	325.3	323.0	320.4	320.3	320.8	321.8	320.8
45°	321.6	313.5	308.1	304.8	301.3	299.0	298.7	299.7	300.0	300.3	301.3
47.5°	292.8	287.5	282.6	279.1	277.5	277.1	276.7	278.4	279.9	280.5	282.0
50°	275.9	269.8	265.6	263.4	262.1	261.4	262.1	264.0	265.3	266.9	267.9
52.5°	256.8	252.5	249.7	247.9	247.4	247.8	247.9	250.1	252.2	252.7	253.2
55°	230.6	227.3	226.7	223.8	225.1	224.7	226.4	227.6	229.5	231.5	231.9
57.5°	204.3	201.7	200.0	200.3	200.6	202.1	203.4	205.7	207.8	209.7	210.0
60°	186.8	185.5	184.6	184.6	185.2	187.2	188.7	191.0	192.3	193.6	194.5
62.5°	170.9	169.6	168.6	169.1	170.8	171.9	173.8	175.0	176.3	177.6	178.1
65°	145.7	145.0	146.0	146.6	147.0	148.5	150.8	151.8	153.1	153.7	155.9
67.5°	122.4	122.6	122.4	123.4	125.2	125.6	127.7	130.0	130.3	131.5	132.9
70°	106.8	107.4	108.1	108.7	110.3	110.9	112.5	113.5	114.8	115.7	116.8
72.5°	92.4	92.5	93.2	93.0	94.4	95.7	97.1	98.1	99.4	100.6	101.5
75°	71.0	71.0	71.7	72.1	73.6	75.3	74.9	75.6	76.9	78.2	78.8
77.5°	51.9	51.2	51.9	52.2	52.7	54.1	54.3	55.3	56.7	56.3	57.0
80°	39.5	38.6	39.5	39.9	39.9	41.5	41.5	42.1	43.0	42.1	43.0
82.5°	28.2	27.8	28.5	28.6	29.1	29.1	29.6	29.8	30.7	30.3	30.7
85°	14.1	13.9	14.1	13.9	14.1	14.5	14.5	14.1	14.1	14.8	13.9
87.5°	6.4	6.5	6.5	6.9	7.0	7.0	7.0	7.1	7.3	7.1	7.2
90°	9.9	11.8	13.4	15.1	16.7	18.3	19.3	20.3	21.4	22.4	23.1
92.5°	17.7	18.0	18.8	19.6	20.4	21.3	21.8	22.3	22.8	23.3	23.8
95°	32.6	30.0	31.4	32.9	34.3	35.7	36.7	37.7	38.7	39.8	40.2
97.5°	42.4	34.6	37.9	41.2	44.5	47.8	48.6	49.4	50.2	51.1	51.6
100°	50.5	38.3	41.8	45.3	48.7	52.2	53.8	55.4	57.1	58.7	59.7
102.5°	186.8	169.4	140.4	111.5	82.6	53.6	55.8	57.9	60.0	62.1	63.5
105°	302.6	277.9	222.4	166.9	111.3	55.8	58.0	60.3	62.5	64.7	66.3
107.5°	375.4	344.6	277.9	211.4	144.7	78.2	75.9	73.6	71.3	69.1	68.4
110°	422.6	395.3	336.5	277.8	219.0	160.1	139.8	119.5	99.2	78.8	69.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	467.4	462.1	447.5	433.1	418.5	404.0	329.8	255.6	181.4	107.2	70.4
115°	540.1	544.4	549.5	554.6	559.6	564.7	470.5	376.3	282.2	188.0	133.6
117.5°	607.9	611.5	615.0	618.5	622.0	625.5	602.7	580.0	557.2	534.4	498.9
120°	652.9	656.3	660.0	663.6	667.3	670.9	673.3	675.8	678.2	680.7	668.1
122.5°	694.6	698.2	702.1	706.1	710.2	714.1	715.6	717.0	718.5	720.0	718.0
125°	754.7	757.9	761.8	765.7	769.6	773.4	774.8	776.3	777.7	779.1	780.2
127.5°	812.4	815.3	818.2	821.0	824.0	826.9	829.0	831.0	833.1	835.2	836.3
130°	849.5	852.3	854.5	856.8	859.0	861.3	863.5	865.7	868.0	870.2	871.2
132.5°	884.2	886.7	889.0	891.2	893.5	895.7	897.6	899.5	901.5	903.4	904.2
135°	933.8	936.3	938.1	940.0	941.8	943.7	945.7	947.7	949.8	951.7	952.6
137.5°	978.0	980.2	982.3	984.4	986.4	988.5	990.5	992.5	994.5	996.4	997.1
140°	1006.9	1008.8	1011.1	1013.3	1015.5	1017.8	1019.6	1021.5	1023.3	1025.1	1025.5
142.5°	1032.6	1034.7	1037.2	1039.7	1042.3	1044.9	1046.5	1048.2	1049.9	1051.5	1051.9
145°	1067.3	1068.9	1072.4	1075.8	1079.3	1082.8	1084.2	1085.6	1087.0	1088.5	1088.6
147.5°	1101.1	1102.4	1105.9	1109.2	1112.7	1116.1	1117.1	1118.2	1119.3	1120.3	1120.4
150°	1122.0	1122.8	1126.1	1129.4	1132.6	1135.8	1137.1	1138.3	1139.5	1140.7	1140.8
152.5°	1141.1	1141.8	1144.9	1148.0	1151.1	1154.2	1155.4	1156.6	1157.9	1159.1	1159.0
155°	1168.8	1169.2	1171.6	1174.0	1176.5	1178.9	1180.1	1181.3	1182.6	1183.8	1183.5
157.5°	1192.5	1192.6	1194.3	1195.9	1197.7	1199.4	1200.8	1202.1	1203.5	1204.9	1204.8
160°	1206.9	1206.9	1208.2	1209.4	1210.7	1211.9	1213.1	1214.3	1215.5	1216.7	1216.6
162.5°	1218.7	1218.6	1219.6	1220.7	1221.8	1222.8	1224.2	1225.5	1226.9	1228.4	1228.1
165°	1234.4	1234.1	1234.7	1235.4	1236.0	1236.6	1237.9	1239.4	1240.8	1242.3	1242.3
167.5°	1246.1	1245.8	1246.4	1246.9	1247.5	1248.1	1249.5	1250.9	1252.3	1253.8	1253.5
170°	1252.8	1252.3	1252.8	1253.1	1253.5	1254.0	1255.3	1256.8	1258.2	1259.6	1259.4
172.5°	1257.1	1256.7	1257.1	1257.5	1257.9	1258.4	1259.7	1261.2	1262.6	1264.0	1263.9
175°	1262.0	1261.5	1261.9	1262.3	1262.7	1263.1	1264.6	1265.9	1267.4	1268.8	1268.5
177.5°	1264.0	1263.5	1263.7	1263.9	1264.0	1264.2	1265.3	1266.4	1267.6	1268.8	1268.6
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9



TEST NUMBER: P331321-935

CATALOG NUMBER: S122DIP-S485D1080U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	802.5	801.9	801.9	799.6	801.9	801.9	802.5	805.0	805.8	806.3	805.3
5°	744.4	743.4	741.8	743.4	741.8	743.4	744.4	748.9	751.1	753.4	755.4
7.5°	687.0	683.1	682.5	678.7	682.5	683.1	687.0	689.1	693.5	698.6	703.3
10°	645.1	642.5	642.1	636.0	642.1	642.5	645.1	650.5	655.0	661.1	667.5
12.5°	613.1	606.9	608.2	604.7	608.2	606.9	613.1	613.2	618.5	622.2	632.3
15°	557.8	557.8	556.6	551.1	556.6	557.8	557.8	566.5	568.2	574.3	583.0
17.5°	518.2	517.5	514.4	516.0	514.4	517.5	518.2	524.6	525.6	533.8	541.0
20°	494.6	492.6	488.8	488.8	488.8	492.6	494.6	498.1	502.2	507.0	513.2
22.5°	472.2	472.0	468.0	469.2	468.0	472.0	472.2	475.4	479.4	484.7	489.8
25°	446.0	443.4	441.5	442.5	441.5	443.4	446.0	446.3	450.8	454.3	457.5
27.5°	421.2	419.7	419.7	417.0	419.7	419.7	421.2	422.0	424.6	426.6	429.6
30°	406.7	403.6	404.2	402.6	404.2	403.6	406.7	407.1	408.4	409.7	413.2
32.5°	390.3	389.2	388.5	387.1	388.5	389.2	390.3	390.9	393.5	394.8	397.5
35°	367.8	368.2	366.5	367.2	366.5	368.2	367.8	368.5	368.9	370.1	372.6
37.5°	348.3	349.3	348.5	348.7	348.5	349.3	348.3	348.5	348.9	349.0	349.8
40°	335.4	335.4	335.4	336.3	335.4	335.4	335.4	334.4	334.8	334.4	334.4
42.5°	323.0	322.5	322.0	321.9	322.0	322.5	323.0	320.8	321.8	320.8	320.3
45°	302.0	302.9	303.2	301.6	303.2	302.9	302.0	301.3	300.3	300.0	299.7
47.5°	282.8	282.9	282.8	284.2	282.8	282.9	282.8	282.0	280.5	279.9	278.4
50°	269.5	268.8	269.5	268.8	269.5	268.8	269.5	267.9	266.9	265.3	264.0
52.5°	255.3	255.5	255.0	254.9	255.0	255.5	255.3	253.2	252.7	252.2	250.1
55°	233.2	233.8	233.4	233.4	233.4	233.8	233.2	231.9	231.5	229.5	227.6
57.5°	210.2	210.8	211.2	209.7	211.2	210.8	210.2	210.0	209.7	207.8	205.7
60°	194.2	195.8	195.5	194.8	195.5	195.8	194.2	194.5	193.6	192.3	191.0
62.5°	179.5	180.1	180.0	179.9	180.0	180.1	179.5	178.1	177.6	176.3	175.0
65°	156.9	157.6	156.6	157.6	156.6	157.6	156.9	155.9	153.7	153.1	151.8
67.5°	132.5	132.8	133.5	133.9	133.5	132.8	132.5	132.9	131.5	130.3	130.0
70°	117.4	117.0	118.0	119.0	118.0	117.0	117.4	116.8	115.7	114.8	113.5
72.5°	101.4	102.1	101.8	102.5	101.8	102.1	101.4	101.5	100.6	99.4	98.1
75°	78.2	79.1	78.8	79.7	78.8	79.1	78.2	78.8	78.2	76.9	75.6
77.5°	56.5	56.6	56.5	57.0	56.5	56.6	56.5	57.0	56.3	56.7	55.3
80°	43.0	42.4	41.8	43.0	41.8	42.4	43.0	43.0	42.1	43.0	42.1
82.5°	30.0	30.4	29.7	29.7	29.7	30.4	30.0	30.7	30.3	30.7	29.8
85°	13.9	13.5	12.8	12.8	12.8	13.5	13.9	13.9	14.8	14.1	14.1
87.5°	7.2	7.1	7.1	7.0	7.1	7.1	7.2	7.2	7.1	7.3	7.1
90°	23.5	23.9	24.3	24.7	24.3	23.9	23.5	23.1	22.4	21.4	20.3
92.5°	24.0	24.2	24.5	24.7	24.5	24.2	24.0	23.8	23.3	22.8	22.3
95°	40.0	39.8	39.5	39.3	39.5	39.8	40.0	40.2	39.8	38.7	37.7
97.5°	51.8	52.1	52.3	52.5	52.3	52.1	51.8	51.6	51.1	50.2	49.4
100°	60.1	60.5	61.0	61.3	61.0	60.5	60.1	59.7	58.7	57.1	55.4
102.5°	64.0	64.6	65.2	65.7	65.2	64.6	64.0	63.5	62.1	60.0	57.9
105°	67.2	67.9	68.7	69.6	68.7	67.9	67.2	66.3	64.7	62.5	60.3
107.5°	69.1	69.9	70.8	71.5	70.8	69.9	69.1	68.4	69.1	71.3	73.6
110°	69.8	70.7	71.5	72.3	71.5	70.7	69.8	69.1	78.8	99.2	119.5



TEST NUMBER: P331321-935

CATALOG NUMBER: S122DIP-S485D1080U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	71.1	71.7	72.4	73.0	72.4	71.7	71.1	70.4	107.2	181.4	255.6
115°	119.0	104.4	89.7	75.1	89.7	104.4	119.0	133.6	188.0	282.2	376.3
117.5°	450.8	402.7	354.6	306.4	354.6	402.7	450.8	498.9	534.4	557.2	580.0
120°	640.7	613.2	585.7	558.4	585.7	613.2	640.7	668.1	680.7	678.2	675.8
122.5°	712.7	707.4	702.1	696.7	702.1	707.4	712.7	718.0	720.0	718.5	717.0
125°	780.8	781.4	782.0	782.6	782.0	781.4	780.8	780.2	779.1	777.7	776.3
127.5°	836.4	836.5	836.6	836.7	836.6	836.5	836.4	836.3	835.2	833.1	831.0
130°	871.1	870.8	870.6	870.5	870.6	870.8	871.1	871.2	870.2	868.0	865.7
132.5°	904.0	903.8	903.6	903.4	903.6	903.8	904.0	904.2	903.4	901.5	899.5
135°	952.2	951.7	951.4	951.0	951.4	951.7	952.2	952.6	951.7	949.8	947.7
137.5°	996.4	995.7	995.1	994.4	995.1	995.7	996.4	997.1	996.4	994.5	992.5
140°	1024.5	1023.5	1022.4	1021.5	1022.4	1023.5	1024.5	1025.5	1025.1	1023.3	1021.5
142.5°	1050.9	1049.8	1048.9	1047.8	1048.9	1049.8	1050.9	1051.9	1051.5	1049.9	1048.2
145°	1087.7	1086.7	1085.6	1084.6	1085.6	1086.7	1087.7	1088.6	1088.5	1087.0	1085.6
147.5°	1119.6	1118.7	1117.8	1117.0	1117.8	1118.7	1119.6	1120.4	1120.3	1119.3	1118.2
150°	1139.8	1138.8	1137.8	1136.8	1137.8	1138.8	1139.8	1140.8	1140.7	1139.5	1138.3
152.5°	1157.6	1156.3	1154.9	1153.7	1154.9	1156.3	1157.6	1159.0	1159.1	1157.9	1156.6
155°	1181.9	1180.3	1178.7	1177.1	1178.7	1180.3	1181.9	1183.5	1183.8	1182.6	1181.3
157.5°	1203.2	1201.6	1200.1	1198.4	1200.1	1201.6	1203.2	1204.8	1204.9	1203.5	1202.1
160°	1215.2	1213.8	1212.4	1210.9	1212.4	1213.8	1215.2	1216.6	1216.7	1215.5	1214.3
162.5°	1226.4	1224.7	1222.9	1221.2	1222.9	1224.7	1226.4	1228.1	1228.4	1226.9	1225.5
165°	1240.8	1239.4	1237.9	1236.6	1237.9	1239.4	1240.8	1242.3	1242.3	1240.8	1239.4
167.5°	1251.7	1249.9	1248.1	1246.2	1248.1	1249.9	1251.7	1253.5	1253.8	1252.3	1250.9
170°	1257.6	1255.8	1254.0	1252.1	1254.0	1255.8	1257.6	1259.4	1259.6	1258.2	1256.8
172.5°	1262.0	1260.2	1258.4	1256.5	1258.4	1260.2	1262.0	1263.9	1264.0	1262.6	1261.2
175°	1266.4	1264.4	1262.4	1260.3	1262.4	1264.4	1266.4	1268.5	1268.8	1267.4	1265.9
177.5°	1267.1	1265.7	1264.2	1262.7	1264.2	1265.7	1267.1	1268.6	1268.8	1267.6	1266.4
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9



TEST NUMBER: P331321-935

CATALOG NUMBER: S122DIP-S485D1080U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	804.0	806.8	811.2	815.8	818.6	824.1	825.6	828.2	830.5	835.9	841.5
5°	757.6	762.1	772.7	778.4	786.5	795.8	801.9	808.4	815.5	827.7	839.0
7.5°	707.8	715.3	728.5	739.3	750.8	764.1	773.8	786.5	797.0	814.2	830.8
10°	674.6	685.2	697.2	710.0	726.1	740.2	753.7	769.8	782.6	803.2	822.5
12.5°	644.8	646.4	663.4	677.6	699.6	717.0	732.6	753.3	765.9	790.4	810.7
15°	592.6	602.3	617.7	629.0	655.0	677.2	699.0	720.6	735.0	765.3	791.9
17.5°	548.7	557.6	573.4	591.9	610.5	632.6	660.9	683.6	703.3	737.8	769.4
20°	520.9	531.8	547.9	566.9	583.3	607.4	631.8	657.9	679.1	718.0	755.0
22.5°	497.2	505.8	518.8	537.5	555.5	577.6	604.3	632.7	655.0	696.9	734.4
25°	464.0	471.1	479.4	494.9	515.1	539.2	560.2	591.3	623.8	663.1	708.3
27.5°	434.0	439.0	446.4	460.0	475.7	498.3	521.5	551.0	583.8	626.3	674.2
30°	415.8	419.0	426.4	437.6	453.1	470.7	494.2	522.5	555.9	599.1	646.6
32.5°	399.8	402.8	407.6	418.4	431.7	446.9	468.0	496.3	528.1	570.5	623.2
35°	375.9	378.2	382.3	391.0	398.4	413.2	430.8	456.6	486.5	527.0	581.7
37.5°	352.1	355.1	357.7	361.4	370.8	380.6	396.0	417.7	447.0	487.9	540.0
40°	336.3	338.9	342.8	344.4	352.1	360.8	373.3	393.2	422.8	460.1	510.9
42.5°	320.4	323.0	325.3	327.2	333.8	341.5	352.8	369.9	396.1	432.4	482.7
45°	298.7	299.0	301.3	304.8	308.1	313.5	321.6	336.3	356.6	390.7	436.4
47.5°	276.7	277.1	277.5	279.1	282.6	287.5	292.8	304.9	323.0	350.3	394.7
50°	262.1	261.4	262.1	263.4	265.6	269.8	275.9	284.6	299.4	324.8	365.6
52.5°	247.9	247.8	247.4	247.9	249.7	252.5	256.8	264.2	277.5	300.8	336.8
55°	226.4	224.7	225.1	223.8	226.7	227.3	230.6	236.7	248.2	264.3	298.1
57.5°	203.4	202.1	200.6	200.3	200.0	201.7	204.3	209.1	218.0	232.1	259.5
60°	188.7	187.2	185.2	184.6	184.6	185.5	186.8	190.4	198.7	211.3	233.8
62.5°	173.8	171.9	170.8	169.1	168.6	169.6	170.9	173.4	179.4	191.2	210.6
65°	150.8	148.5	147.0	146.6	146.0	145.0	145.7	148.3	153.1	162.4	177.8
67.5°	127.7	125.6	125.2	123.4	122.4	122.6	122.4	124.7	127.5	135.5	147.1
70°	112.5	110.9	110.3	108.7	108.1	107.4	106.8	108.7	111.6	118.3	128.3
72.5°	97.1	95.7	94.4	93.0	93.2	92.5	92.4	93.5	95.9	102.1	109.8
75°	74.9	75.3	73.6	72.1	71.7	71.0	71.0	72.1	73.0	77.8	83.9
77.5°	54.3	54.1	52.7	52.2	51.9	51.2	51.9	52.5	53.0	56.3	60.8
80°	41.5	41.5	39.9	39.9	39.5	38.6	39.5	38.9	40.2	43.4	46.7
82.5°	29.6	29.1	29.1	28.6	28.5	27.8	28.2	28.8	29.4	31.6	33.5
85°	14.5	14.5	14.1	13.9	14.1	13.9	14.1	14.5	14.8	15.8	17.4
87.5°	7.0	7.0	7.0	6.9	6.5	6.5	6.4	6.1	6.2	6.0	5.9
90°	19.3	18.3	16.7	15.1	13.4	11.8	9.9	7.7	5.4	3.2	0.9
92.5°	21.8	21.3	20.4	19.6	18.8	18.0	17.7	17.9	18.1	18.3	18.5
95°	36.7	35.7	34.3	32.9	31.4	30.0	32.6	39.3	46.1	52.8	59.5
97.5°	48.6	47.8	44.5	41.2	37.9	34.6	42.4	61.3	80.2	99.2	118.0
100°	53.8	52.2	48.7	45.3	41.8	38.3	50.5	78.4	106.2	134.1	162.0
102.5°	55.8	53.6	82.6	111.5	140.4	169.4	186.8	192.6	198.5	204.4	210.3
105°	58.0	55.8	111.3	166.9	222.4	277.9	302.6	296.5	290.4	284.4	278.3
107.5°	75.9	78.2	144.7	211.4	277.9	344.6	375.4	370.4	365.5	360.6	355.7
110°	139.8	160.1	219.0	277.8	336.5	395.3	422.6	418.3	414.1	409.7	405.4



TEST NUMBER: P331321-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	329.8	404.0	418.5	433.1	447.5	462.1	467.4	463.6	459.9	456.2	452.4
115°	470.5	564.7	559.6	554.6	549.5	544.4	540.1	536.7	533.2	529.8	526.3
117.5°	602.7	625.5	622.0	618.5	615.0	611.5	607.9	604.0	600.1	596.2	592.4
120°	673.3	670.9	667.3	663.6	660.0	656.3	652.9	649.9	646.8	643.8	640.7
122.5°	715.6	714.1	710.2	706.1	702.1	698.2	694.6	691.4	688.1	684.9	681.7
125°	774.8	773.4	769.6	765.7	761.8	757.9	754.7	752.1	749.4	746.7	744.2
127.5°	829.0	826.9	824.0	821.0	818.2	815.3	812.4	809.5	806.6	803.7	800.7
130°	863.5	861.3	859.0	856.8	854.5	852.3	849.5	846.4	843.1	839.8	836.5
132.5°	897.6	895.7	893.5	891.2	889.0	886.7	884.2	881.5	878.7	876.0	873.1
135°	945.7	943.7	941.8	940.0	938.1	936.3	933.8	930.6	927.3	924.0	920.8
137.5°	990.5	988.5	986.4	984.4	982.3	980.2	978.0	975.8	973.4	971.2	968.9
140°	1019.6	1017.8	1015.5	1013.3	1011.1	1008.8	1006.9	1005.3	1003.7	1002.0	1000.4
142.5°	1046.5	1044.9	1042.3	1039.7	1037.2	1034.7	1032.6	1031.1	1029.7	1028.2	1026.7
145°	1084.2	1082.8	1079.3	1075.8	1072.4	1068.9	1067.3	1067.6	1067.7	1067.9	1068.2
147.5°	1117.1	1116.1	1112.7	1109.2	1105.9	1102.4	1101.1	1101.9	1102.7	1103.5	1104.2
150°	1137.1	1135.8	1132.6	1129.4	1126.1	1122.8	1122.0	1123.3	1124.8	1126.2	1127.7
152.5°	1155.4	1154.2	1151.1	1148.0	1144.9	1141.8	1141.1	1142.6	1144.2	1145.8	1147.4
155°	1180.1	1178.9	1176.5	1174.0	1171.6	1169.2	1168.8	1170.6	1172.5	1174.3	1176.1
157.5°	1200.8	1199.4	1197.7	1195.9	1194.3	1192.6	1192.5	1194.0	1195.6	1197.1	1198.7
160°	1213.1	1211.9	1210.7	1209.4	1208.2	1206.9	1206.9	1208.2	1209.4	1210.7	1211.9
162.5°	1224.2	1222.8	1221.8	1220.7	1219.6	1218.6	1218.7	1219.9	1221.1	1222.4	1223.6
165°	1237.9	1236.6	1236.0	1235.4	1234.7	1234.1	1234.4	1235.6	1236.8	1238.0	1239.3
167.5°	1249.5	1248.1	1247.5	1246.9	1246.4	1245.8	1246.1	1247.3	1248.5	1249.8	1251.0
170°	1255.3	1254.0	1253.5	1253.1	1252.8	1252.3	1252.8	1254.0	1255.2	1256.4	1257.6
172.5°	1259.7	1258.4	1257.9	1257.5	1257.1	1256.7	1257.1	1258.4	1259.6	1260.8	1262.0
175°	1264.6	1263.1	1262.7	1262.3	1261.9	1261.5	1262.0	1263.4	1264.8	1266.3	1267.7
177.5°	1265.3	1264.2	1264.0	1263.9	1263.7	1263.5	1264.0	1265.2	1266.3	1267.5	1268.6
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9



TEST NUMBER: P331321-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	841.0	842.3	846.4	850.6	855.1	856.4	858.5	856.7	856.2	861.1	864.7
5°	843.4	849.2	860.5	870.7	879.4	885.5	892.0	894.6	899.4	906.1	914.5
7.5°	840.7	852.0	869.7	884.7	901.0	912.7	922.0	929.8	939.3	952.1	966.0
10°	837.7	852.7	874.3	892.6	912.6	927.6	940.2	952.4	966.6	984.3	1002.5
12.5°	832.0	849.9	876.8	898.5	924.1	939.0	955.9	982.2	997.5	1022.1	1047.8
15°	820.6	840.5	878.1	904.8	933.8	962.1	993.2	1018.3	1043.4	1057.9	1094.2
17.5°	803.7	832.9	874.6	905.8	942.5	987.1	1022.1	1050.6	1079.5	1102.9	1121.2
20°	790.1	821.9	869.4	906.8	950.5	998.4	1038.6	1067.6	1092.6	1112.2	1123.5
22.5°	772.8	812.9	859.2	902.9	958.7	1006.2	1048.4	1071.2	1092.1	1101.6	1106.0
25°	745.6	793.9	846.3	899.7	962.7	1012.9	1051.5	1065.3	1071.4	1062.0	1046.6
27.5°	716.4	770.2	831.5	893.6	960.3	1008.5	1036.1	1034.0	1023.6	993.4	969.3
30°	694.6	753.7	819.6	887.4	954.3	1001.3	1017.4	1001.3	977.8	944.1	909.6
32.5°	671.7	732.9	807.0	878.7	943.6	984.8	988.3	960.6	924.3	886.0	843.0
35°	637.0	703.3	783.3	859.2	920.6	946.7	931.2	882.4	839.2	786.9	728.3
37.5°	597.8	671.0	751.2	830.5	886.2	893.0	854.7	803.2	742.4	680.9	612.0
40°	568.5	646.0	728.7	808.7	857.9	850.8	801.9	745.4	673.0	597.8	533.7
42.5°	542.3	619.7	704.0	782.5	821.9	802.5	745.4	675.9	598.1	527.3	468.7
45°	496.8	576.5	662.7	738.6	761.1	726.1	650.5	573.3	496.8	437.6	391.3
47.5°	452.7	531.5	616.8	683.5	691.6	644.4	561.8	482.4	416.6	368.4	335.8
50°	420.3	499.4	583.9	643.4	640.8	583.9	499.0	423.4	368.5	329.6	307.7
52.5°	391.2	465.9	547.2	601.2	587.6	525.6	444.5	377.5	332.3	301.8	282.0
55°	345.9	415.1	492.3	535.7	510.7	441.8	373.3	319.3	285.9	263.0	247.6
57.5°	301.1	365.9	432.0	458.7	431.0	367.5	310.4	271.2	246.1	229.1	219.1
60°	273.3	329.9	388.7	411.9	378.8	322.2	277.2	242.1	221.9	208.0	199.1
62.5°	245.6	296.2	351.7	364.3	334.0	286.2	246.3	217.1	200.5	188.2	179.8
65°	207.8	249.2	291.4	299.7	271.7	234.7	203.2	184.3	169.4	160.5	153.7
67.5°	170.4	203.6	233.5	240.2	215.8	190.1	167.3	150.8	140.8	133.3	127.6
70°	148.3	174.6	199.1	204.5	184.9	162.0	144.7	131.5	122.5	116.1	110.6
72.5°	124.8	146.8	167.1	170.8	154.8	137.3	123.1	112.7	104.8	100.7	95.4
75°	95.5	108.4	124.2	125.1	114.5	103.8	92.9	86.2	82.0	76.9	74.3
77.5°	67.4	77.5	86.5	88.3	82.0	74.7	68.6	63.3	59.8	57.3	55.0
80°	51.5	59.5	63.4	65.6	61.1	56.0	52.4	48.9	46.7	45.0	43.4
82.5°	36.8	41.8	45.4	47.1	44.6	41.6	38.0	36.0	34.3	32.9	32.4
85°	18.7	20.9	23.2	23.8	23.2	21.9	20.0	20.0	18.9	18.7	18.7
87.5°	7.1	8.5	9.0	10.2	10.1	10.4	10.8	10.8	10.8	10.8	10.8
90°	3.2	5.4	7.7	9.9	11.8	13.4	15.1	16.7	18.3	19.3	20.3
92.5°	18.3	18.1	17.9	17.7	18.0	18.8	19.6	20.4	21.3	21.8	22.3
95°	52.8	46.1	39.3	32.6	30.0	31.4	32.9	34.3	35.7	36.7	37.7
97.5°	99.2	80.2	61.3	42.4	34.6	37.9	41.2	44.5	47.8	48.6	49.4
100°	134.1	106.2	78.4	50.5	38.3	41.8	45.3	48.7	52.2	53.8	55.4
102.5°	204.4	198.5	192.6	186.8	169.4	140.4	111.5	82.6	53.6	55.8	57.9
105°	284.4	290.4	296.5	302.6	277.9	222.4	166.9	111.3	55.8	58.0	60.3
107.5°	360.6	365.5	370.4	375.4	344.6	277.9	211.4	144.7	78.2	75.9	73.6
110°	409.7	414.1	418.3	422.6	395.3	336.5	277.8	219.0	160.1	139.8	119.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	456.2	459.9	463.6	467.4	462.1	447.5	433.1	418.5	404.0	329.8	255.6
115°	529.8	533.2	536.7	540.1	544.4	549.5	554.6	559.6	564.7	470.5	376.3
117.5°	596.2	600.1	604.0	607.9	611.5	615.0	618.5	622.0	625.5	602.7	580.0
120°	643.8	646.8	649.9	652.9	656.3	660.0	663.6	667.3	670.9	673.3	675.8
122.5°	684.9	688.1	691.4	694.6	698.2	702.1	706.1	710.2	714.1	715.6	717.0
125°	746.7	749.4	752.1	754.7	757.9	761.8	765.7	769.6	773.4	774.8	776.3
127.5°	803.7	806.6	809.5	812.4	815.3	818.2	821.0	824.0	826.9	829.0	831.0
130°	839.8	843.1	846.4	849.5	852.3	854.5	856.8	859.0	861.3	863.5	865.7
132.5°	876.0	878.7	881.5	884.2	886.7	889.0	891.2	893.5	895.7	897.6	899.5
135°	924.0	927.3	930.6	933.8	936.3	938.1	940.0	941.8	943.7	945.7	947.7
137.5°	971.2	973.4	975.8	978.0	980.2	982.3	984.4	986.4	988.5	990.5	992.5
140°	1002.0	1003.7	1005.3	1006.9	1008.8	1011.1	1013.3	1015.5	1017.8	1019.6	1021.5
142.5°	1028.2	1029.7	1031.1	1032.6	1034.7	1037.2	1039.7	1042.3	1044.9	1046.5	1048.2
145°	1067.9	1067.7	1067.6	1067.3	1068.9	1072.4	1075.8	1079.3	1082.8	1084.2	1085.6
147.5°	1103.5	1102.7	1101.9	1101.1	1102.4	1105.9	1109.2	1112.7	1116.1	1117.1	1118.2
150°	1126.2	1124.8	1123.3	1122.0	1122.8	1126.1	1129.4	1132.6	1135.8	1137.1	1138.3
152.5°	1145.8	1144.2	1142.6	1141.1	1141.8	1144.9	1148.0	1151.1	1154.2	1155.4	1156.6
155°	1174.3	1172.5	1170.6	1168.8	1169.2	1171.6	1174.0	1176.5	1178.9	1180.1	1181.3
157.5°	1197.1	1195.6	1194.0	1192.5	1192.6	1194.3	1195.9	1197.7	1199.4	1200.8	1202.1
160°	1210.7	1209.4	1208.2	1206.9	1206.9	1208.2	1209.4	1210.7	1211.9	1213.1	1214.3
162.5°	1222.4	1221.1	1219.9	1218.7	1218.6	1219.6	1220.7	1221.8	1222.8	1224.2	1225.5
165°	1238.0	1236.8	1235.6	1234.4	1234.1	1234.7	1235.4	1236.0	1236.6	1237.9	1239.4
167.5°	1249.8	1248.5	1247.3	1246.1	1245.8	1246.4	1246.9	1247.5	1248.1	1249.5	1250.9
170°	1256.4	1255.2	1254.0	1252.8	1252.3	1252.8	1253.1	1253.5	1254.0	1255.3	1256.8
172.5°	1260.8	1259.6	1258.4	1257.1	1256.7	1257.1	1257.5	1257.9	1258.4	1259.7	1261.2
175°	1266.3	1264.8	1263.4	1262.0	1261.5	1261.9	1262.3	1262.7	1263.1	1264.6	1265.9
177.5°	1267.5	1266.3	1265.2	1264.0	1263.5	1263.7	1263.9	1264.0	1264.2	1265.3	1266.4
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	867.8	871.4	871.4	871.9	876.0	875.6	875.3
5°	923.5	928.9	929.6	935.4	939.3	938.0	934.4
7.5°	976.0	986.2	993.9	998.2	1003.3	1006.4	1005.0
10°	1017.7	1032.5	1041.5	1047.6	1055.0	1060.5	1058.5
12.5°	1055.5	1073.2	1085.5	1096.0	1096.9	1104.0	1099.2
15°	1114.5	1133.2	1135.1	1142.8	1148.9	1148.2	1148.6
17.5°	1133.9	1140.0	1141.2	1141.3	1141.4	1139.2	1134.3
20°	1127.0	1124.8	1119.3	1115.2	1107.8	1106.7	1100.4
22.5°	1094.1	1086.9	1073.2	1064.2	1052.7	1049.6	1047.8
25°	1029.2	1013.5	991.6	970.8	964.9	953.7	956.9
27.5°	940.3	915.8	892.1	875.1	859.8	842.9	847.7
30°	877.8	850.2	816.7	791.0	774.6	758.5	755.6
32.5°	803.2	762.7	725.4	702.7	677.6	667.4	656.3
35°	674.6	635.1	598.1	566.3	547.9	533.7	520.9
37.5°	558.9	513.4	483.5	457.8	444.5	436.4	438.4
40°	487.2	447.3	425.4	405.8	393.6	387.8	389.1
42.5°	429.0	399.2	381.2	367.7	359.1	355.9	355.1
45°	363.0	346.3	331.5	323.8	319.6	316.1	313.8
47.5°	318.1	304.4	296.0	291.4	287.7	284.2	284.1
50°	291.0	282.0	276.2	271.4	268.5	265.9	268.2
52.5°	270.4	262.2	256.4	252.1	251.0	248.7	248.7
55°	239.9	233.4	229.3	225.4	223.5	222.2	220.6
57.5°	212.1	206.0	202.2	199.7	196.0	194.8	194.2
60°	192.3	187.4	183.6	180.4	178.7	176.2	176.2
62.5°	174.0	169.2	165.6	163.2	160.5	159.5	159.7
65°	147.6	143.7	140.2	137.6	137.0	135.1	135.7
67.5°	123.3	120.7	117.0	115.5	114.3	113.3	112.5
70°	107.1	104.5	102.5	100.7	99.7	99.7	99.7
72.5°	93.4	90.3	89.2	86.8	87.3	86.3	85.2
75°	72.3	70.4	69.5	68.4	66.9	66.9	66.9
77.5°	53.2	52.7	51.5	50.5	50.1	49.8	49.9
80°	41.2	40.8	40.2	40.2	39.5	39.3	38.6
82.5°	31.6	30.8	30.4	30.1	30.0	30.0	29.9
85°	18.0	17.4	17.4	17.7	17.0	17.0	17.4
87.5°	11.2	11.5	11.3	11.4	11.7	11.5	11.6
90°	21.4	22.4	23.1	23.5	23.9	24.3	24.7
92.5°	22.8	23.3	23.8	24.0	24.2	24.5	24.7
95°	38.7	39.8	40.2	40.0	39.8	39.5	39.3
97.5°	50.2	51.1	51.6	51.8	52.1	52.3	52.5
100°	57.1	58.7	59.7	60.1	60.5	61.0	61.3
102.5°	60.0	62.1	63.5	64.0	64.6	65.2	65.7
105°	62.5	64.7	66.3	67.2	67.9	68.7	69.6
107.5°	71.3	69.1	68.4	69.1	69.9	70.8	71.5
110°	99.2	78.8	69.1	69.8	70.7	71.5	72.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	181.4	107.2	70.4	71.1	71.7	72.4	73.0
115°	282.2	188.0	133.6	119.0	104.4	89.7	75.1
117.5°	557.2	534.4	498.9	450.8	402.7	354.6	306.4
120°	678.2	680.7	668.1	640.7	613.2	585.7	558.4
122.5°	718.5	720.0	718.0	712.7	707.4	702.1	696.7
125°	777.7	779.1	780.2	780.8	781.4	782.0	782.6
127.5°	833.1	835.2	836.3	836.4	836.5	836.6	836.7
130°	868.0	870.2	871.2	871.1	870.8	870.6	870.5
132.5°	901.5	903.4	904.2	904.0	903.8	903.6	903.4
135°	949.8	951.7	952.6	952.2	951.7	951.4	951.0
137.5°	994.5	996.4	997.1	996.4	995.7	995.1	994.4
140°	1023.3	1025.1	1025.5	1024.5	1023.5	1022.4	1021.5
142.5°	1049.9	1051.5	1051.9	1050.9	1049.8	1048.9	1047.8
145°	1087.0	1088.5	1088.6	1087.7	1086.7	1085.6	1084.6
147.5°	1119.3	1120.3	1120.4	1119.6	1118.7	1117.8	1117.0
150°	1139.5	1140.7	1140.8	1139.8	1138.8	1137.8	1136.8
152.5°	1157.9	1159.1	1159.0	1157.6	1156.3	1154.9	1153.7
155°	1182.6	1183.8	1183.5	1181.9	1180.3	1178.7	1177.1
157.5°	1203.5	1204.9	1204.8	1203.2	1201.6	1200.1	1198.4
160°	1215.5	1216.7	1216.6	1215.2	1213.8	1212.4	1210.9
162.5°	1226.9	1228.4	1228.1	1226.4	1224.7	1222.9	1221.2
165°	1240.8	1242.3	1242.3	1240.8	1239.4	1237.9	1236.6
167.5°	1252.3	1253.8	1253.5	1251.7	1249.9	1248.1	1246.2
170°	1258.2	1259.6	1259.4	1257.6	1255.8	1254.0	1252.1
172.5°	1262.6	1264.0	1263.9	1262.0	1260.2	1258.4	1256.5
175°	1267.4	1268.8	1268.5	1266.4	1264.4	1262.4	1260.3
177.5°	1267.6	1268.8	1268.6	1267.1	1265.7	1264.2	1262.7
180°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9

(END OF REPORT)