

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: P331514-935

Luminaire Tested: **S122DIW-S485D1240U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331514-935
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: S122DIW-S485D1240U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5550.3 lumens
Efficiency: N/A
Efficacy: 103.2 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

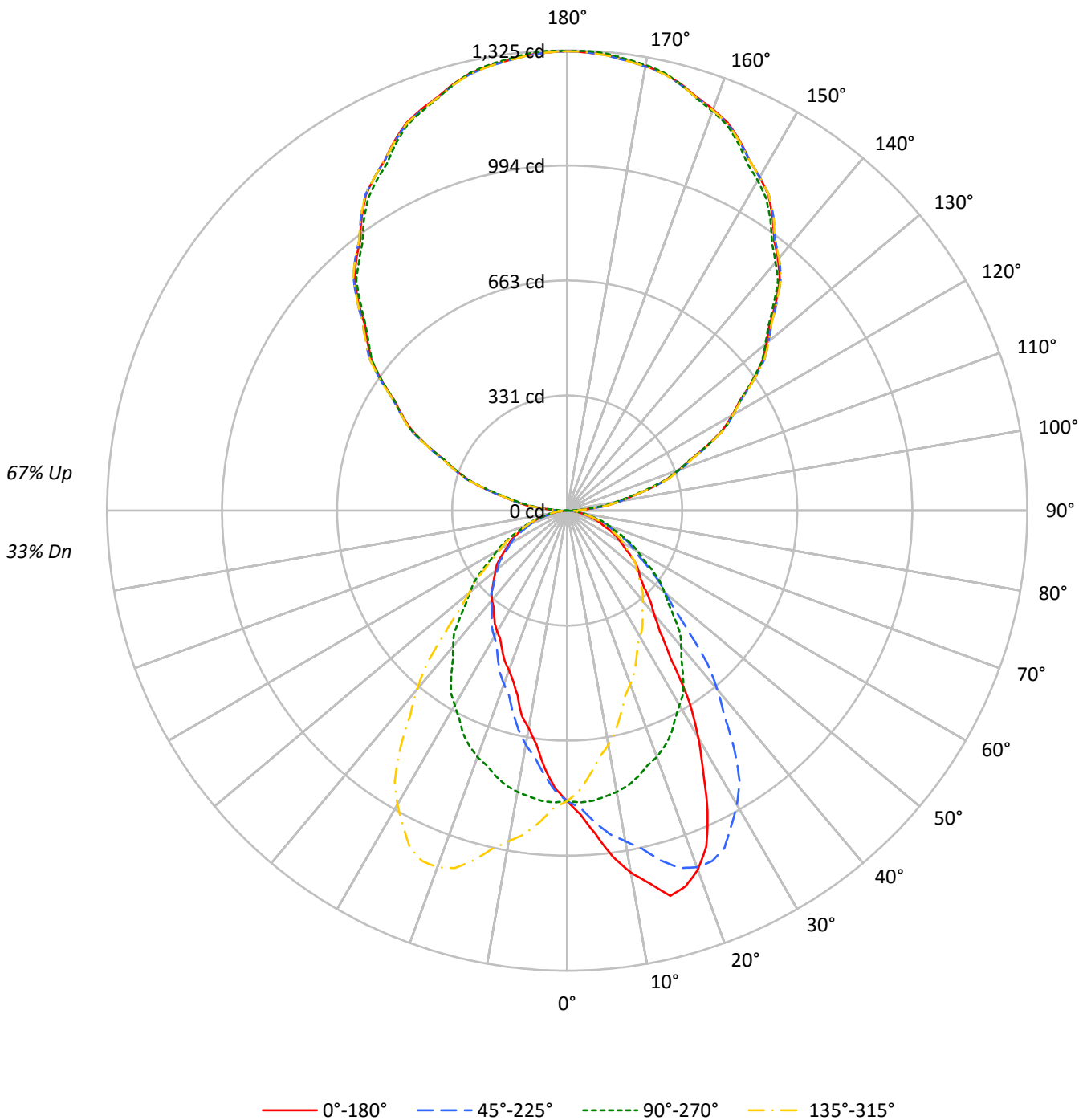
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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	37	36	35	29
2	86	79	73	68	77	72	67	63	58	54	51	45	42	40	32	31	30	25
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



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	26.3	0.5
90°-100°	83.8	1.5
100°-110°	260.4	4.7
110°-120°	445.0	8.0
120°-130°	585.3	10.5
130°-140°	656.9	11.8
140°-150°	644.1	11.6
150°-160°	540.2	9.7
160°-170°	358.3	6.5
170°-180°	125.2	2.3
0°-30°	647.5	11.7
0°-40°	1002.3	18.1
0°-60°	1567.1	28.2
0°-90°	1851.1	33.4
90°-120°	789.2	14.2
90°-150°	2675.4	48.2
90°-180°	3699.0	66.6
0°-180°	5550.3	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°	38	1	38	1	38	17
95°	69	58	69	58	69	77
105°	248	240	248	240	248	261
115°	447	447	447	447	447	441
125°	652	650	652	650	652	581
135°	851	841	851	841	851	655
145°	1032	1020	1032	1020	1032	644
155°	1176	1167	1176	1167	1176	541
165°	1270	1269	1270	1269	1270	358
175°	1316	1321	1316	1321	1316	125
180°	1323	1323	1323	1323	1323	



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	14.3	14.2	14.5	14.1	14.1	14.4	14.5	14.3	14.6	15.0	14.2
90°	38.0	37.7	37.5	37.2	36.9	37.1	37.6	38.1	38.6	39.1	33.6
92.5°	36.2	36.2	36.1	36.0	36.0	35.9	35.8	35.7	35.6	35.5	34.2
95°	69.2	69.7	70.2	70.7	71.2	71.5	71.5	71.5	71.5	71.5	70.9
97.5°	119.9	119.9	120.0	120.0	120.1	120.1	120.1	120.1	120.1	120.1	119.2
100°	152.9	153.2	153.4	153.7	153.9	154.0	154.0	154.0	154.0	154.0	153.3
102.5°	190.5	190.7	191.0	191.2	191.5	191.5	191.3	191.1	190.9	190.7	189.8
105°	247.9	247.9	247.9	247.9	247.9	247.6	247.1	246.6	246.1	245.6	245.1
107.5°	301.9	303.0	304.2	305.3	306.4	306.9	306.7	306.5	306.3	306.1	306.1
110°	343.9	344.6	345.3	346.1	346.8	347.2	347.2	347.2	347.2	347.2	347.2



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	384.0	384.6	385.1	385.6	386.2	386.8	387.4	388.0	388.6	389.2	389.3
115°	446.6	447.3	448.1	448.8	449.5	450.0	450.3	450.6	450.8	451.0	451.5
117.5°	506.2	507.0	507.6	508.4	509.2	509.8	510.4	511.0	511.6	512.2	513.6
120°	548.2	548.9	549.7	550.4	551.1	551.5	551.5	551.5	551.5	551.5	553.5
122.5°	589.3	589.8	590.3	590.9	591.4	592.0	592.6	593.2	593.7	594.3	595.7
125°	651.9	652.2	652.5	652.7	653.0	653.5	654.2	655.0	655.7	656.4	657.2
127.5°	709.1	710.0	710.8	711.5	712.3	713.2	714.0	715.0	715.8	716.7	717.6
130°	750.2	751.2	752.3	753.2	754.2	754.9	755.4	756.0	756.4	756.9	757.4
132.5°	789.5	790.3	791.1	791.9	792.7	793.7	794.7	795.8	796.9	798.0	797.9
135°	850.7	851.4	852.2	852.9	853.7	854.2	854.5	854.7	854.9	855.1	854.7
137.5°	906.1	907.1	908.1	909.0	910.1	910.7	910.9	911.0	911.3	911.5	910.8
140°	944.5	945.5	946.5	947.4	948.5	948.9	948.9	948.9	948.9	948.9	947.7
142.5°	979.3	980.3	981.3	982.3	983.3	983.7	983.5	983.3	983.1	982.9	982.1
145°	1031.6	1032.6	1033.5	1034.6	1035.5	1035.9	1035.7	1035.4	1035.2	1034.9	1033.5
147.5°	1078.2	1079.2	1080.1	1081.1	1082.0	1082.2	1081.7	1081.1	1080.6	1080.0	1079.0
150°	1108.6	1109.3	1110.1	1110.9	1111.6	1111.6	1110.9	1110.1	1109.3	1108.6	1107.6
152.5°	1137.2	1138.2	1139.1	1140.0	1140.9	1140.9	1140.0	1139.1	1138.2	1137.2	1136.0
155°	1175.6	1176.3	1177.1	1177.8	1178.5	1178.3	1177.1	1175.9	1174.6	1173.4	1172.6
157.5°	1208.6	1209.8	1211.0	1212.2	1213.4	1213.1	1211.4	1209.8	1208.1	1206.4	1205.9
160°	1229.2	1230.2	1231.1	1232.2	1233.1	1232.9	1231.4	1229.9	1228.4	1226.9	1226.7
162.5°	1247.1	1248.2	1249.4	1250.6	1251.8	1251.5	1249.8	1248.2	1246.5	1244.8	1244.6
165°	1270.5	1271.7	1273.0	1274.2	1275.4	1275.2	1273.4	1271.7	1270.0	1268.3	1268.3
167.5°	1289.7	1291.0	1292.3	1293.6	1294.9	1294.6	1292.9	1291.2	1289.4	1287.6	1287.7
170°	1299.5	1301.0	1302.5	1304.0	1305.4	1305.4	1303.6	1301.8	1300.1	1298.4	1298.6
172.5°	1307.5	1309.1	1310.5	1312.0	1313.5	1313.4	1311.6	1309.9	1308.2	1306.4	1306.7
175°	1316.2	1317.8	1319.2	1320.7	1322.2	1322.1	1320.3	1318.6	1316.9	1315.1	1315.6
177.5°	1320.3	1321.5	1322.7	1323.9	1325.0	1325.0	1323.9	1322.7	1321.5	1320.3	1320.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	13.3	12.2	11.2	10.8	9.5	8.9	7.2	5.9	6.2	6.5	6.6
90°	28.2	22.7	17.2	13.0	10.1	7.1	4.1	1.1	4.1	7.1	10.1
92.5°	32.9	31.6	30.3	28.6	26.4	24.3	22.0	19.9	22.0	24.3	26.4
95°	70.4	70.0	69.5	68.0	65.5	63.0	60.5	58.0	60.5	63.0	65.5
97.5°	118.2	117.3	116.3	114.8	112.6	110.5	108.2	106.1	108.2	110.5	112.6
100°	152.6	151.8	151.1	149.7	147.7	145.8	143.8	141.8	143.8	145.8	147.7
102.5°	188.8	187.9	186.9	185.6	184.1	182.4	180.9	179.3	180.9	182.4	184.1
105°	244.6	244.1	243.7	243.0	242.3	241.5	240.7	240.0	240.7	241.5	242.3
107.5°	306.1	306.1	306.1	305.6	304.4	303.4	302.3	301.2	302.3	303.4	304.4
110°	347.2	347.2	347.2	346.5	345.0	343.5	342.0	340.5	342.0	343.5	345.0



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	389.6	389.8	389.9	389.3	387.9	386.3	384.9	383.4	384.9	386.3	387.9
115°	452.0	452.5	453.0	452.5	451.0	449.5	448.1	446.6	448.1	449.5	451.0
117.5°	515.0	516.3	517.8	517.5	515.5	513.5	511.5	509.5	511.5	513.5	515.5
120°	555.5	557.5	559.5	559.5	557.5	555.5	553.5	551.5	553.5	555.5	557.5
122.5°	597.2	598.6	599.9	599.4	597.0	594.7	592.3	589.9	592.3	594.7	597.0
125°	658.0	658.7	659.4	658.7	656.4	654.2	651.9	649.7	651.9	654.2	656.4
127.5°	718.5	719.5	720.3	719.4	716.5	713.7	710.8	708.0	710.8	713.7	716.5
130°	757.9	758.5	758.9	757.5	754.3	751.1	747.9	744.7	747.9	751.1	754.3
132.5°	797.8	797.7	797.6	796.3	793.6	791.0	788.3	785.7	788.3	791.0	793.6
135°	854.2	853.7	853.2	851.6	848.9	846.1	843.3	840.7	843.3	846.1	848.9
137.5°	910.2	909.5	908.9	907.4	905.2	902.9	900.7	898.5	900.7	902.9	905.2
140°	946.5	945.2	944.0	942.3	940.0	937.8	935.6	933.3	935.6	937.8	940.0
142.5°	981.2	980.3	979.5	978.0	975.8	973.5	971.3	969.1	971.3	973.5	975.8
145°	1031.9	1030.4	1029.0	1027.3	1025.6	1023.9	1022.2	1020.4	1022.2	1023.9	1025.6
147.5°	1078.1	1077.0	1076.1	1074.5	1072.5	1070.3	1068.2	1066.2	1068.2	1070.3	1072.5
150°	1106.6	1105.6	1104.7	1103.4	1101.9	1100.4	1098.9	1097.4	1098.9	1100.4	1101.9
152.5°	1134.8	1133.6	1132.4	1131.1	1129.5	1128.1	1126.6	1125.2	1126.6	1128.1	1129.5
155°	1171.8	1171.1	1170.4	1169.7	1168.9	1168.1	1167.4	1166.7	1167.4	1168.1	1168.9
157.5°	1205.5	1205.1	1204.6	1204.1	1203.7	1203.2	1202.6	1202.1	1202.6	1203.2	1203.7
160°	1226.4	1226.2	1226.0	1225.5	1225.1	1224.6	1224.1	1223.6	1224.1	1224.6	1225.1
162.5°	1244.3	1244.1	1243.8	1243.6	1243.5	1243.5	1243.4	1243.2	1243.4	1243.5	1243.5
165°	1268.3	1268.3	1268.3	1268.3	1268.6	1268.9	1269.1	1269.4	1269.1	1268.9	1268.6
167.5°	1287.8	1287.8	1287.9	1288.2	1289.0	1289.8	1290.5	1291.2	1290.5	1289.8	1289.0
170°	1298.9	1299.2	1299.4	1299.9	1300.6	1301.4	1302.1	1302.9	1302.1	1301.4	1300.6
172.5°	1306.9	1307.2	1307.4	1307.9	1308.6	1309.4	1310.2	1310.9	1310.2	1309.4	1308.6
175°	1316.1	1316.6	1317.2	1317.8	1318.4	1319.2	1320.0	1320.7	1320.0	1319.2	1318.4
177.5°	1321.0	1321.5	1321.9	1322.3	1322.9	1323.5	1324.1	1324.7	1324.1	1323.5	1322.9
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	7.0	7.6	8.4	9.5	10.3	11.2	10.8	10.7	10.6	10.0	10.0
90°	13.0	17.2	22.7	28.2	33.6	39.1	38.6	38.1	37.6	37.1	36.9
92.5°	28.6	30.3	31.6	32.9	34.2	35.5	35.6	35.7	35.8	35.9	36.0
95°	68.0	69.5	70.0	70.4	70.9	71.5	71.5	71.5	71.5	71.5	71.2
97.5°	114.8	116.3	117.3	118.2	119.2	120.1	120.1	120.1	120.1	120.1	120.1
100°	149.7	151.1	151.8	152.6	153.3	154.0	154.0	154.0	154.0	154.0	153.9
102.5°	185.6	186.9	187.9	188.8	189.8	190.7	190.9	191.1	191.3	191.5	191.5
105°	243.0	243.7	244.1	244.6	245.1	245.6	246.1	246.6	247.1	247.6	247.9
107.5°	305.6	306.1	306.1	306.1	306.1	306.1	306.3	306.5	306.7	306.9	306.4
110°	346.5	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	346.8



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	389.3	389.9	389.8	389.6	389.3	389.2	388.6	388.0	387.4	386.8	386.2
115°	452.5	453.0	452.5	452.0	451.5	451.0	450.8	450.6	450.3	450.0	449.5
117.5°	517.5	517.8	516.3	515.0	513.6	512.2	511.6	511.0	510.4	509.8	509.2
120°	559.5	559.5	557.5	555.5	553.5	551.5	551.5	551.5	551.5	551.5	551.1
122.5°	599.4	599.9	598.6	597.2	595.7	594.3	593.7	593.2	592.6	592.0	591.4
125°	658.7	659.4	658.7	658.0	657.2	656.4	655.7	655.0	654.2	653.5	653.0
127.5°	719.4	720.3	719.5	718.5	717.6	716.7	715.8	715.0	714.0	713.2	712.3
130°	757.5	758.9	758.5	757.9	757.4	756.9	756.4	756.0	755.4	754.9	754.2
132.5°	796.3	797.6	797.7	797.8	797.9	798.0	796.9	795.8	794.7	793.7	792.7
135°	851.6	853.2	853.7	854.2	854.7	855.1	854.9	854.7	854.5	854.2	853.7
137.5°	907.4	908.9	909.5	910.2	910.8	911.5	911.3	911.0	910.9	910.7	910.1
140°	942.3	944.0	945.2	946.5	947.7	948.9	948.9	948.9	948.9	948.9	948.5
142.5°	978.0	979.5	980.3	981.2	982.1	982.9	983.1	983.3	983.5	983.7	983.3
145°	1027.3	1029.0	1030.4	1031.9	1033.5	1034.9	1035.2	1035.4	1035.7	1035.9	1035.5
147.5°	1074.5	1076.1	1077.0	1078.1	1079.0	1080.0	1080.6	1081.1	1081.7	1082.2	1082.0
150°	1103.4	1104.7	1105.6	1106.6	1107.6	1108.6	1109.3	1110.1	1110.9	1111.6	1111.6
152.5°	1131.1	1132.4	1133.6	1134.8	1136.0	1137.2	1138.2	1139.1	1140.0	1140.9	1140.9
155°	1169.7	1170.4	1171.1	1171.8	1172.6	1173.4	1174.6	1175.9	1177.1	1178.3	1178.5
157.5°	1204.1	1204.6	1205.1	1205.5	1205.9	1206.4	1208.1	1209.8	1211.4	1213.1	1213.4
160°	1225.5	1226.0	1226.2	1226.4	1226.7	1226.9	1228.4	1229.9	1231.4	1232.9	1233.1
162.5°	1243.6	1243.8	1244.1	1244.3	1244.6	1244.8	1246.5	1248.2	1249.8	1251.5	1251.8
165°	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1270.0	1271.7	1273.4	1275.2	1275.4
167.5°	1288.2	1287.9	1287.8	1287.8	1287.7	1287.6	1289.4	1291.2	1292.9	1294.6	1294.9
170°	1299.9	1299.4	1299.2	1298.9	1298.6	1298.4	1300.1	1301.8	1303.6	1305.4	1305.4
172.5°	1307.9	1307.4	1307.2	1306.9	1306.7	1306.4	1308.2	1309.9	1311.6	1313.4	1313.5
175°	1317.8	1317.2	1316.6	1316.1	1315.6	1315.1	1316.9	1318.6	1320.3	1322.1	1322.2
177.5°	1322.3	1321.9	1321.5	1321.0	1320.7	1320.3	1321.5	1322.7	1323.9	1325.0	1325.0
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	10.0	9.8	9.8	9.6	9.8	9.8	10.0	10.0	10.0	10.6	10.7
90°	37.2	37.5	37.7	38.0	37.7	37.5	37.2	36.9	37.1	37.6	38.1
92.5°	36.0	36.1	36.2	36.2	36.2	36.1	36.0	36.0	35.9	35.8	35.7
95°	70.7	70.2	69.7	69.2	69.7	70.2	70.7	71.2	71.5	71.5	71.5
97.5°	120.0	120.0	119.9	119.9	119.9	120.0	120.0	120.1	120.1	120.1	120.1
100°	153.7	153.4	153.2	152.9	153.2	153.4	153.7	153.9	154.0	154.0	154.0
102.5°	191.2	191.0	190.7	190.5	190.7	191.0	191.2	191.5	191.5	191.3	191.1
105°	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.6	247.1	246.6
107.5°	305.3	304.2	303.0	301.9	303.0	304.2	305.3	306.4	306.9	306.7	306.5
110°	346.1	345.3	344.6	343.9	344.6	345.3	346.1	346.8	347.2	347.2	347.2



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	385.6	385.1	384.6	384.0	384.6	385.1	385.6	386.2	386.8	387.4	388.0
115°	448.8	448.1	447.3	446.6	447.3	448.1	448.8	449.5	450.0	450.3	450.6
117.5°	508.4	507.6	507.0	506.2	507.0	507.6	508.4	509.2	509.8	510.4	511.0
120°	550.4	549.7	548.9	548.2	548.9	549.7	550.4	551.1	551.5	551.5	551.5
122.5°	590.9	590.3	589.8	589.3	589.8	590.3	590.9	591.4	592.0	592.6	593.2
125°	652.7	652.5	652.2	651.9	652.2	652.5	652.7	653.0	653.5	654.2	655.0
127.5°	711.5	710.8	710.0	709.1	710.0	710.8	711.5	712.3	713.2	714.0	715.0
130°	753.2	752.3	751.2	750.2	751.2	752.3	753.2	754.2	754.9	755.4	756.0
132.5°	791.9	791.1	790.3	789.5	790.3	791.1	791.9	792.7	793.7	794.7	795.8
135°	852.9	852.2	851.4	850.7	851.4	852.2	852.9	853.7	854.2	854.5	854.7
137.5°	909.0	908.1	907.1	906.1	907.1	908.1	909.0	910.1	910.7	910.9	911.0
140°	947.4	946.5	945.5	944.5	945.5	946.5	947.4	948.5	948.9	948.9	948.9
142.5°	982.3	981.3	980.3	979.3	980.3	981.3	982.3	983.3	983.7	983.5	983.3
145°	1034.6	1033.5	1032.6	1031.6	1032.6	1033.5	1034.6	1035.5	1035.9	1035.7	1035.4
147.5°	1081.1	1080.1	1079.2	1078.2	1079.2	1080.1	1081.1	1082.0	1082.2	1081.7	1081.1
150°	1110.9	1110.1	1109.3	1108.6	1109.3	1110.1	1110.9	1111.6	1111.6	1110.9	1110.1
152.5°	1140.0	1139.1	1138.2	1137.2	1138.2	1139.1	1140.0	1140.9	1140.9	1140.0	1139.1
155°	1177.8	1177.1	1176.3	1175.6	1176.3	1177.1	1177.8	1178.5	1178.3	1177.1	1175.9
157.5°	1212.2	1211.0	1209.8	1208.6	1209.8	1211.0	1212.2	1213.4	1213.1	1211.4	1209.8
160°	1232.2	1231.1	1230.2	1229.2	1230.2	1231.1	1232.2	1233.1	1232.9	1231.4	1229.9
162.5°	1250.6	1249.4	1248.2	1247.1	1248.2	1249.4	1250.6	1251.8	1251.5	1249.8	1248.2
165°	1274.2	1273.0	1271.7	1270.5	1271.7	1273.0	1274.2	1275.4	1275.2	1273.4	1271.7
167.5°	1293.6	1292.3	1291.0	1289.7	1291.0	1292.3	1293.6	1294.9	1294.6	1292.9	1291.2
170°	1304.0	1302.5	1301.0	1299.5	1301.0	1302.5	1304.0	1305.4	1305.4	1303.6	1301.8
172.5°	1312.0	1310.5	1309.1	1307.5	1309.1	1310.5	1312.0	1313.5	1313.4	1311.6	1309.9
175°	1320.7	1319.2	1317.8	1316.2	1317.8	1319.2	1320.7	1322.2	1322.1	1320.3	1318.6
177.5°	1323.9	1322.7	1321.5	1320.3	1321.5	1322.7	1323.9	1325.0	1325.0	1323.9	1322.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	10.8	11.2	10.3	9.5	8.4	7.6	7.0	6.6	6.5	6.2	5.9
90°	38.6	39.1	33.6	28.2	22.7	17.2	13.0	10.1	7.1	4.1	1.1
92.5°	35.6	35.5	34.2	32.9	31.6	30.3	28.6	26.4	24.3	22.0	19.9
95°	71.5	71.5	70.9	70.4	70.0	69.5	68.0	65.5	63.0	60.5	58.0
97.5°	120.1	120.1	119.2	118.2	117.3	116.3	114.8	112.6	110.5	108.2	106.1
100°	154.0	154.0	153.3	152.6	151.8	151.1	149.7	147.7	145.8	143.8	141.8
102.5°	190.9	190.7	189.8	188.8	187.9	186.9	185.6	184.1	182.4	180.9	179.3
105°	246.1	245.6	245.1	244.6	244.1	243.7	243.0	242.3	241.5	240.7	240.0
107.5°	306.3	306.1	306.1	306.1	306.1	306.1	305.6	304.4	303.4	302.3	301.2
110°	347.2	347.2	347.2	347.2	347.2	347.2	346.5	345.0	343.5	342.0	340.5



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	388.6	389.2	389.3	389.6	389.8	389.9	389.3	387.9	386.3	384.9	383.4
115°	450.8	451.0	451.5	452.0	452.5	453.0	452.5	451.0	449.5	448.1	446.6
117.5°	511.6	512.2	513.6	515.0	516.3	517.8	517.5	515.5	513.5	511.5	509.5
120°	551.5	551.5	553.5	555.5	557.5	559.5	559.5	557.5	555.5	553.5	551.5
122.5°	593.7	594.3	595.7	597.2	598.6	599.9	599.4	597.0	594.7	592.3	589.9
125°	655.7	656.4	657.2	658.0	658.7	659.4	658.7	656.4	654.2	651.9	649.7
127.5°	715.8	716.7	717.6	718.5	719.5	720.3	719.4	716.5	713.7	710.8	708.0
130°	756.4	756.9	757.4	757.9	758.5	758.9	757.5	754.3	751.1	747.9	744.7
132.5°	796.9	798.0	797.9	797.8	797.7	797.6	796.3	793.6	791.0	788.3	785.7
135°	854.9	855.1	854.7	854.2	853.7	853.2	851.6	848.9	846.1	843.3	840.7
137.5°	911.3	911.5	910.8	910.2	909.5	908.9	907.4	905.2	902.9	900.7	898.5
140°	948.9	948.9	947.7	946.5	945.2	944.0	942.3	940.0	937.8	935.6	933.3
142.5°	983.1	982.9	982.1	981.2	980.3	979.5	978.0	975.8	973.5	971.3	969.1
145°	1035.2	1034.9	1033.5	1031.9	1030.4	1029.0	1027.3	1025.6	1023.9	1022.2	1020.4
147.5°	1080.6	1080.0	1079.0	1078.1	1077.0	1076.1	1074.5	1072.5	1070.3	1068.2	1066.2
150°	1109.3	1108.6	1107.6	1106.6	1105.6	1104.7	1103.4	1101.9	1100.4	1098.9	1097.4
152.5°	1138.2	1137.2	1136.0	1134.8	1133.6	1132.4	1131.1	1129.5	1128.1	1126.6	1125.2
155°	1174.6	1173.4	1172.6	1171.8	1171.1	1170.4	1169.7	1168.9	1168.1	1167.4	1166.7
157.5°	1208.1	1206.4	1205.9	1205.5	1205.1	1204.6	1204.1	1203.7	1203.2	1202.6	1202.1
160°	1228.4	1226.9	1226.7	1226.4	1226.2	1226.0	1225.5	1225.1	1224.6	1224.1	1223.6
162.5°	1246.5	1244.8	1244.6	1244.3	1244.1	1243.8	1243.6	1243.5	1243.5	1243.4	1243.2
165°	1270.0	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.6	1268.9	1269.1	1269.4
167.5°	1289.4	1287.6	1287.7	1287.8	1287.8	1287.9	1288.2	1289.0	1289.8	1290.5	1291.2
170°	1300.1	1298.4	1298.6	1298.9	1299.2	1299.4	1299.9	1300.6	1301.4	1302.1	1302.9
172.5°	1308.2	1306.4	1306.7	1306.9	1307.2	1307.4	1307.9	1308.6	1309.4	1310.2	1310.9
175°	1316.9	1315.1	1315.6	1316.1	1316.6	1317.2	1317.8	1318.4	1319.2	1320.0	1320.7
177.5°	1321.5	1320.3	1320.7	1321.0	1321.5	1321.9	1322.3	1322.9	1323.5	1324.1	1324.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	7.2	8.9	9.5	10.8	11.2	12.2	13.3	14.2	15.0	14.6	14.3
90°	4.1	7.1	10.1	13.0	17.2	22.7	28.2	33.6	39.1	38.6	38.1
92.5°	22.0	24.3	26.4	28.6	30.3	31.6	32.9	34.2	35.5	35.6	35.7
95°	60.5	63.0	65.5	68.0	69.5	70.0	70.4	70.9	71.5	71.5	71.5
97.5°	108.2	110.5	112.6	114.8	116.3	117.3	118.2	119.2	120.1	120.1	120.1
100°	143.8	145.8	147.7	149.7	151.1	151.8	152.6	153.3	154.0	154.0	154.0
102.5°	180.9	182.4	184.1	185.6	186.9	187.9	188.8	189.8	190.7	190.9	191.1
105°	240.7	241.5	242.3	243.0	243.7	244.1	244.6	245.1	245.6	246.1	246.6
107.5°	302.3	303.4	304.4	305.6	306.1	306.1	306.1	306.1	306.1	306.3	306.5
110°	342.0	343.5	345.0	346.5	347.2	347.2	347.2	347.2	347.2	347.2	347.2



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	384.9	386.3	387.9	389.3	389.9	389.8	389.6	389.3	389.2	388.6	388.0
115°	448.1	449.5	451.0	452.5	453.0	452.5	452.0	451.5	451.0	450.8	450.6
117.5°	511.5	513.5	515.5	517.5	517.8	516.3	515.0	513.6	512.2	511.6	511.0
120°	553.5	555.5	557.5	559.5	559.5	557.5	555.5	553.5	551.5	551.5	551.5
122.5°	592.3	594.7	597.0	599.4	599.9	598.6	597.2	595.7	594.3	593.7	593.2
125°	651.9	654.2	656.4	658.7	659.4	658.7	658.0	657.2	656.4	655.7	655.0
127.5°	710.8	713.7	716.5	719.4	720.3	719.5	718.5	717.6	716.7	715.8	715.0
130°	747.9	751.1	754.3	757.5	758.9	758.5	757.9	757.4	756.9	756.4	756.0
132.5°	788.3	791.0	793.6	796.3	797.6	797.7	797.8	797.9	798.0	796.9	795.8
135°	843.3	846.1	848.9	851.6	853.2	853.7	854.2	854.7	855.1	854.9	854.7
137.5°	900.7	902.9	905.2	907.4	908.9	909.5	910.2	910.8	911.5	911.3	911.0
140°	935.6	937.8	940.0	942.3	944.0	945.2	946.5	947.7	948.9	948.9	948.9
142.5°	971.3	973.5	975.8	978.0	979.5	980.3	981.2	982.1	982.9	983.1	983.3
145°	1022.2	1023.9	1025.6	1027.3	1029.0	1030.4	1031.9	1033.5	1034.9	1035.2	1035.4
147.5°	1068.2	1070.3	1072.5	1074.5	1076.1	1077.0	1078.1	1079.0	1080.0	1080.6	1081.1
150°	1098.9	1100.4	1101.9	1103.4	1104.7	1105.6	1106.6	1107.6	1108.6	1109.3	1110.1
152.5°	1126.6	1128.1	1129.5	1131.1	1132.4	1133.6	1134.8	1136.0	1137.2	1138.2	1139.1
155°	1167.4	1168.1	1168.9	1169.7	1170.4	1171.1	1171.8	1172.6	1173.4	1174.6	1175.9
157.5°	1202.6	1203.2	1203.7	1204.1	1204.6	1205.1	1205.5	1205.9	1206.4	1208.1	1209.8
160°	1224.1	1224.6	1225.1	1225.5	1226.0	1226.2	1226.4	1226.7	1226.9	1228.4	1229.9
162.5°	1243.4	1243.5	1243.5	1243.6	1243.8	1244.1	1244.3	1244.6	1244.8	1246.5	1248.2
165°	1269.1	1268.9	1268.6	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1270.0	1271.7
167.5°	1290.5	1289.8	1289.0	1288.2	1287.9	1287.8	1287.8	1287.7	1287.6	1289.4	1291.2
170°	1302.1	1301.4	1300.6	1299.9	1299.4	1299.2	1298.9	1298.6	1298.4	1300.1	1301.8
172.5°	1310.2	1309.4	1308.6	1307.9	1307.4	1307.2	1306.9	1306.7	1306.4	1308.2	1309.9
175°	1320.0	1319.2	1318.4	1317.8	1317.2	1316.6	1316.1	1315.6	1315.1	1316.9	1318.6
177.5°	1324.1	1323.5	1322.9	1322.3	1321.9	1321.5	1321.0	1320.7	1320.3	1321.5	1322.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

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°	14.5	14.4	14.1	14.1	14.5	14.2	14.3
90°	37.6	37.1	36.9	37.2	37.5	37.7	38.0
92.5°	35.8	35.9	36.0	36.0	36.1	36.2	36.2
95°	71.5	71.5	71.2	70.7	70.2	69.7	69.2
97.5°	120.1	120.1	120.1	120.0	120.0	119.9	119.9
100°	154.0	154.0	153.9	153.7	153.4	153.2	152.9
102.5°	191.3	191.5	191.5	191.2	191.0	190.7	190.5
105°	247.1	247.6	247.9	247.9	247.9	247.9	247.9
107.5°	306.7	306.9	306.4	305.3	304.2	303.0	301.9
110°	347.2	347.2	346.8	346.1	345.3	344.6	343.9



TEST NUMBER: P331514-935

CATALOG NUMBER: S122DIW-S485D1240U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	387.4	386.8	386.2	385.6	385.1	384.6	384.0
115°	450.3	450.0	449.5	448.8	448.1	447.3	446.6
117.5°	510.4	509.8	509.2	508.4	507.6	507.0	506.2
120°	551.5	551.5	551.1	550.4	549.7	548.9	548.2
122.5°	592.6	592.0	591.4	590.9	590.3	589.8	589.3
125°	654.2	653.5	653.0	652.7	652.5	652.2	651.9
127.5°	714.0	713.2	712.3	711.5	710.8	710.0	709.1
130°	755.4	754.9	754.2	753.2	752.3	751.2	750.2
132.5°	794.7	793.7	792.7	791.9	791.1	790.3	789.5
135°	854.5	854.2	853.7	852.9	852.2	851.4	850.7
137.5°	910.9	910.7	910.1	909.0	908.1	907.1	906.1
140°	948.9	948.9	948.5	947.4	946.5	945.5	944.5
142.5°	983.5	983.7	983.3	982.3	981.3	980.3	979.3
145°	1035.7	1035.9	1035.5	1034.6	1033.5	1032.6	1031.6
147.5°	1081.7	1082.2	1082.0	1081.1	1080.1	1079.2	1078.2
150°	1110.9	1111.6	1111.6	1110.9	1110.1	1109.3	1108.6
152.5°	1140.0	1140.9	1140.9	1140.0	1139.1	1138.2	1137.2
155°	1177.1	1178.3	1178.5	1177.8	1177.1	1176.3	1175.6
157.5°	1211.4	1213.1	1213.4	1212.2	1211.0	1209.8	1208.6
160°	1231.4	1232.9	1233.1	1232.2	1231.1	1230.2	1229.2
162.5°	1249.8	1251.5	1251.8	1250.6	1249.4	1248.2	1247.1
165°	1273.4	1275.2	1275.4	1274.2	1273.0	1271.7	1270.5
167.5°	1292.9	1294.6	1294.9	1293.6	1292.3	1291.0	1289.7
170°	1303.6	1305.4	1305.4	1304.0	1302.5	1301.0	1299.5
172.5°	1311.6	1313.4	1313.5	1312.0	1310.5	1309.1	1307.5
175°	1320.3	1322.1	1322.2	1320.7	1319.2	1317.8	1316.2
177.5°	1323.9	1325.0	1325.0	1323.9	1322.7	1321.5	1320.3
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9

(END OF REPORT)