

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: P332914-935

Luminaire Tested: **SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332914-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5188.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

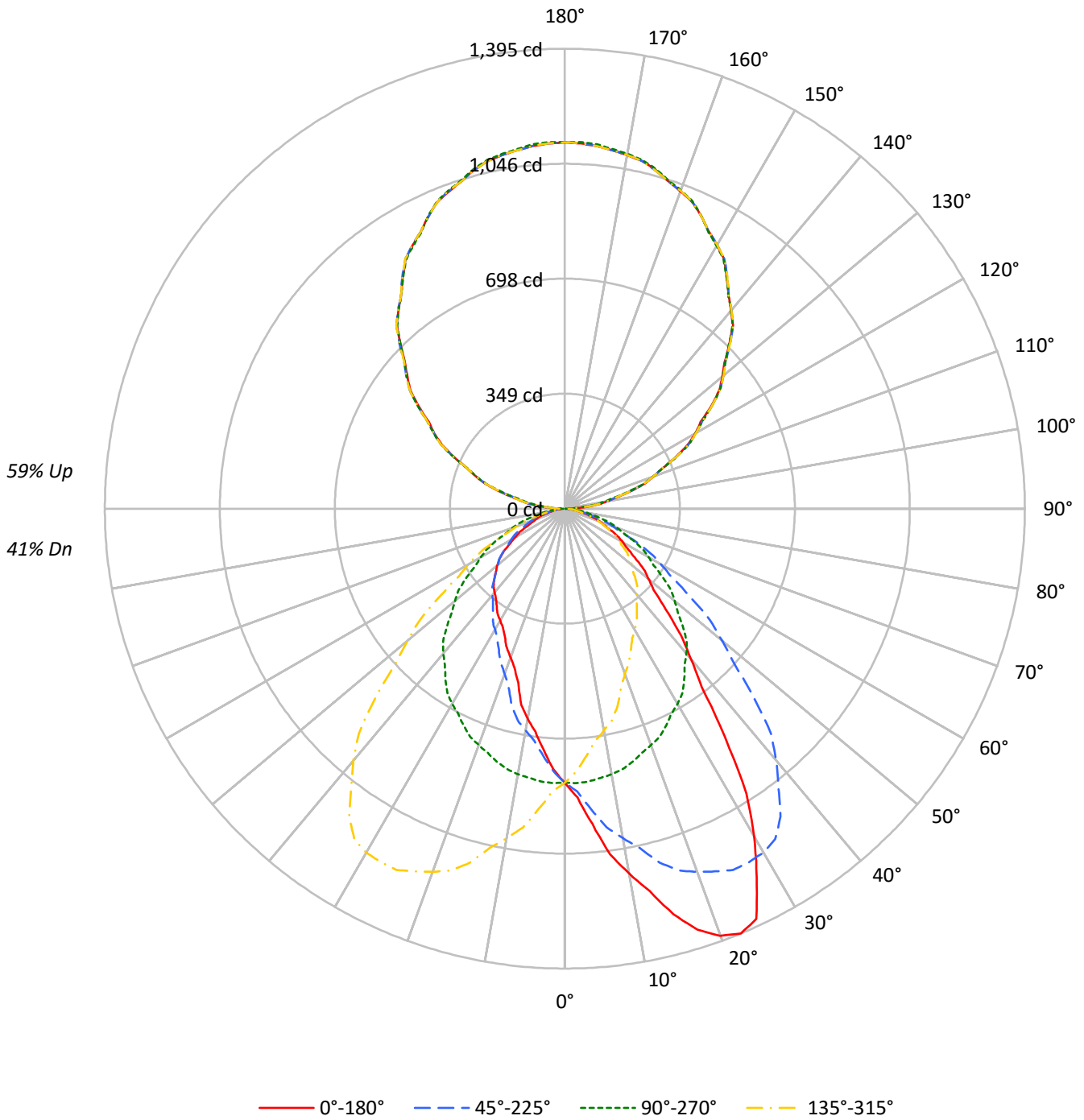
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41	
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	41	41	41	35	
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	38	36	35	35	35	35	30	
3	80	71	64	59	73	65	59	54	54	50	46	44	40	38	34	32	30	30	30	30	26	
4	74	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26	26	26	26	22	
5	68	56	49	43	61	52	45	40	43	38	34	35	31	28	28	25	23	23	23	23	20	
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	22	20	20	20	20	17	
7	58	46	38	33	52	42	35	30	35	30	26	29	25	22	23	20	18	18	18	18	15	
8	53	41	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	16	16	16	14	
9	50	38	31	26	45	35	29	24	30	24	21	24	21	18	19	17	15	15	15	15	13	
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	13	13	13	11	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6713	6713	6713	6713
5°	7786	6733	5951	6733
10°	9211	6703	5311	6703
15°	10639	6641	4563	6641
20°	11846	6556	4127	6556
25°	12229	6472	3832	6472
30°	10705	6371	3653	6371
35°	8333	6220	3546	6220
40°	6249	6048	3488	6048
45°	4933	5771	3457	5771
50°	4166	5452	3357	5452
55°	3631	5102	3178	5102
60°	3266	4737	2813	4737
65°	2881	4346	2420	4346
70°	2594	3939	2183	3939
75°	2174	3490	1862	3490
80°	1836	2975	1743	2975
85°	1556	2325	1556	2325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.6
10°-20°	243.0	4.7
20°-30°	380.1	7.3
30°-40°	422.5	8.1
40°-50°	374.9	7.2
50°-60°	292.1	5.6
60°-70°	191.3	3.7
70°-80°	94.1	1.8
80°-90°	26.5	0.5
90°-100°	73.3	1.4
100°-110°	217.1	4.2
110°-120°	368.5	7.1
120°-130°	485.9	9.4
130°-140°	545.7	10.5
140°-150°	536.2	10.3
150°-160°	451.0	8.7
160°-170°	300.1	5.8
170°-180°	105.1	2.0
0°-30°	703.7	13.6
0°-40°	1126.2	21.7
0°-60°	1793.2	34.6
0°-90°	2105.1	40.6
90°-120°	658.9	12.7
90°-150°	2226.8	42.9
90°-180°	3083.0	59.4
0°-180°	5188.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	832	832	832	832	832	
5°	961	831	734	831	961	97
15°	1273	795	546	795	1273	362
25°	1373	727	430	727	1373	609
35°	846	631	360	631	846	530
45°	432	506	303	506	432	342
55°	258	362	226	362	258	235
65°	151	228	127	228	151	152
75°	70	112	60	112	70	77
85°	17	25	17	25	17	20
90°	26	3	26	3	26	14
95°	68	52	68	52	68	71
105°	210	200	210	200	210	221
115°	371	375	371	375	371	367
125°	541	546	541	546	541	483
135°	705	704	705	704	705	544
145°	856	855	856	855	856	536
155°	979	980	979	980	979	451
165°	1064	1066	1064	1066	1064	300
175°	1104	1110	1104	1110	1104	105
180°	1111	1111	1111	1111	1111	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	877.0	879.4	877.0	876.8	874.1	873.3	872.2	868.7	862.3	858.5	859.4
5°	960.8	969.1	964.5	963.8	956.4	949.1	944.3	933.7	922.2	914.6	908.2
7.5°	1057.7	1062.5	1059.5	1054.8	1042.9	1036.1	1025.3	1011.2	990.8	975.1	960.9
10°	1123.6	1127.6	1126.3	1117.6	1108.9	1091.1	1081.1	1061.3	1035.4	1015.0	995.9
12.5°	1188.4	1192.7	1180.9	1181.4	1164.8	1150.8	1134.9	1110.1	1080.2	1053.9	1030.0
15°	1273.0	1267.7	1267.7	1260.9	1242.5	1223.1	1206.7	1180.5	1143.0	1111.6	1078.4
17.5°	1339.2	1341.1	1338.3	1322.5	1308.0	1288.0	1257.8	1227.4	1192.5	1150.2	1116.4
20°	1378.9	1378.9	1375.9	1365.1	1346.3	1324.9	1292.4	1259.3	1215.0	1172.5	1134.3
22.5°	1394.9	1396.0	1392.5	1383.6	1366.8	1345.8	1318.2	1284.4	1238.9	1191.0	1143.7
25°	1372.9	1379.1	1379.8	1377.5	1372.5	1359.8	1336.0	1301.5	1260.6	1208.7	1157.8
27.5°	1260.4	1268.4	1275.5	1287.0	1302.4	1310.5	1311.6	1294.0	1258.4	1208.4	1157.2
30°	1148.4	1155.0	1176.8	1205.3	1227.4	1247.5	1265.0	1269.6	1249.6	1204.6	1150.7
32.5°	1024.0	1033.1	1054.9	1085.5	1122.4	1156.4	1195.6	1215.5	1215.0	1188.0	1138.2
35°	845.5	852.2	872.4	904.5	948.7	999.3	1061.3	1109.5	1142.4	1140.0	1109.5
37.5°	681.9	689.5	709.8	736.5	779.4	842.0	902.0	968.5	1029.2	1063.2	1053.0
40°	593.0	593.3	613.0	640.5	680.7	735.3	800.6	874.3	942.0	997.3	1008.0
42.5°	522.7	522.8	535.9	565.5	594.4	645.8	708.2	781.4	860.6	924.4	952.8
45°	432.1	435.1	445.9	463.6	486.4	529.9	579.9	647.9	736.7	812.4	859.6
47.5°	365.9	370.4	377.2	391.7	409.8	438.9	480.1	541.2	613.5	696.7	764.0
50°	331.7	332.3	341.0	349.0	364.8	388.0	424.1	475.0	541.4	621.4	696.1
52.5°	302.2	302.0	307.3	317.5	330.3	348.3	377.5	423.9	482.7	554.4	631.5
55°	258.0	259.6	263.6	271.6	281.4	294.1	317.3	352.1	398.3	459.6	529.6
57.5°	224.3	225.2	228.3	231.8	240.6	249.9	267.3	291.4	330.5	380.6	445.9
60°	202.3	202.7	203.7	208.7	215.8	224.5	236.2	256.6	289.5	335.4	386.9
62.5°	180.9	181.5	183.0	186.8	192.2	198.2	210.4	226.9	254.1	293.3	339.8
65°	150.8	151.1	153.4	154.8	159.1	164.5	173.5	184.6	203.4	236.2	271.4
67.5°	126.0	126.0	126.1	127.9	131.0	134.5	139.9	148.8	162.9	183.0	214.0
70°	109.9	109.9	110.6	111.6	113.2	116.2	119.2	126.0	136.4	152.7	176.5
72.5°	94.9	95.1	95.8	96.0	96.9	99.4	101.6	105.8	113.6	126.0	145.2
75°	69.7	70.7	72.3	73.7	75.3	75.1	77.4	80.1	82.4	89.8	100.8
77.5°	51.8	51.3	51.5	52.7	52.9	53.2	54.8	56.9	58.7	62.2	66.1
80°	39.5	39.5	40.6	40.9	40.6	40.9	42.5	43.6	44.3	45.5	49.2
82.5°	29.9	30.4	30.0	30.4	30.7	31.0	32.4	32.5	33.2	33.8	35.3
85°	16.8	17.0	17.4	16.8	16.8	16.8	17.4	17.7	18.4	18.1	18.8
87.5°	11.0	10.7	10.9	10.8	11.0	10.6	10.6	10.9	10.2	10.2	9.9
90°	25.7	25.4	25.1	24.6	24.3	23.5	22.4	21.2	20.1	18.9	17.4
92.5°	38.1	38.0	37.7	37.5	37.3	36.8	36.1	35.4	34.7	34.0	33.0
95°	67.9	67.9	67.9	67.9	67.9	67.6	67.1	66.5	65.9	65.3	64.0
97.5°	106.4	106.4	106.4	106.4	106.4	106.1	105.4	104.7	104.0	103.3	101.8
100°	133.2	133.2	133.2	133.2	133.2	133.0	132.6	132.2	131.9	131.5	129.8
102.5°	163.4	163.3	163.2	163.0	162.8	162.5	162.0	161.4	160.9	160.4	158.8
105°	209.7	209.1	208.5	207.9	207.4	206.8	206.3	205.7	205.1	204.6	203.8
107.5°	254.7	254.8	254.8	254.9	254.9	254.6	254.1	253.6	253.0	252.5	252.4
110°	287.1	286.5	285.9	285.3	284.7	284.6	285.0	285.4	285.8	286.2	286.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	320.0	319.9	319.8	319.7	319.6	319.6	319.6	319.7	319.8	319.9	320.2
115°	371.3	371.4	371.6	371.9	372.0	372.2	372.4	372.6	372.8	373.0	373.3
117.5°	420.1	420.4	420.9	421.2	421.6	422.1	422.8	423.4	424.0	424.7	425.0
120°	457.2	456.8	456.4	456.1	455.6	456.0	456.9	457.9	458.8	459.8	460.4
122.5°	488.1	488.8	489.5	490.2	490.9	491.5	492.2	492.8	493.5	494.1	494.4
125°	541.4	541.8	542.2	542.6	542.9	543.3	543.7	544.1	544.5	544.8	545.0
127.5°	590.7	591.1	591.3	591.7	591.9	592.3	592.7	593.1	593.5	593.8	594.2
130°	623.0	623.8	624.6	625.3	626.1	626.7	627.1	627.5	627.8	628.2	628.2
132.5°	657.5	657.7	658.1	658.3	658.7	659.0	659.4	659.8	660.1	660.6	660.6
135°	704.7	705.2	705.8	706.5	707.0	707.5	707.8	708.3	708.6	709.0	709.0
137.5°	754.4	754.2	754.1	754.1	753.9	754.1	754.6	755.1	755.6	756.1	755.8
140°	784.6	784.8	785.0	785.2	785.4	785.6	785.7	786.0	786.2	786.4	786.4
142.5°	814.9	814.9	814.9	815.0	815.0	815.1	815.1	815.1	815.2	815.2	815.4
145°	855.9	856.5	857.1	857.6	858.2	858.6	858.8	859.0	859.2	859.4	859.2
147.5°	897.6	897.8	897.9	898.1	898.3	898.5	898.6	898.8	899.0	899.1	899.2
150°	923.0	923.2	923.3	923.6	923.8	923.9	923.9	923.9	923.9	923.9	923.9
152.5°	946.3	946.8	947.4	947.9	948.4	948.4	947.9	947.4	947.0	946.5	946.4
155°	978.9	979.6	980.4	981.1	981.9	981.9	981.1	980.4	979.6	978.9	979.0
157.5°	1007.9	1008.6	1009.2	1009.9	1010.5	1010.6	1010.0	1009.4	1008.8	1008.2	1008.3
160°	1024.4	1025.4	1026.3	1027.3	1028.2	1028.4	1027.9	1027.3	1026.7	1026.1	1026.3
162.5°	1041.6	1042.6	1043.5	1044.5	1045.4	1045.3	1044.3	1043.3	1042.2	1041.2	1041.5
165°	1063.9	1064.7	1065.5	1066.3	1067.0	1066.8	1065.7	1064.5	1063.3	1062.2	1062.6
167.5°	1080.0	1081.1	1082.3	1083.5	1084.7	1084.7	1083.6	1082.4	1081.2	1080.1	1080.0
170°	1088.8	1090.2	1091.5	1092.9	1094.2	1094.3	1093.1	1092.0	1090.9	1089.7	1089.5
172.5°	1096.4	1097.8	1099.1	1100.4	1101.7	1101.8	1100.4	1099.2	1097.9	1096.6	1096.6
175°	1104.3	1105.7	1107.0	1108.4	1109.7	1109.7	1108.4	1107.0	1105.7	1104.3	1104.5
177.5°	1108.5	1109.7	1110.9	1112.2	1113.4	1113.4	1112.3	1111.3	1110.2	1109.1	1109.1
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	856.7	852.9	851.0	846.7	841.6	839.0	836.5	833.1	828.5	823.7	820.2
5°	900.2	892.1	882.0	870.0	859.3	848.9	839.8	830.8	820.4	809.7	799.0
7.5°	944.8	928.9	911.9	892.1	872.9	855.4	839.3	823.9	806.5	790.8	776.6
10°	975.9	954.4	930.7	905.5	880.4	858.6	837.2	817.7	796.3	777.2	761.1
12.5°	1001.1	975.9	947.3	915.9	885.7	859.4	834.7	809.4	785.1	764.3	742.9
15°	1042.8	1008.3	969.8	932.3	893.1	857.3	824.1	794.6	766.8	737.7	717.2
17.5°	1071.6	1030.6	983.9	938.7	892.4	850.2	811.9	776.8	744.7	715.0	690.6
20°	1088.7	1043.5	991.6	940.3	888.4	843.2	802.0	763.1	730.0	697.8	672.7
22.5°	1098.4	1048.4	991.6	937.9	884.2	835.2	790.0	749.5	713.3	681.2	653.4
25°	1101.5	1047.8	989.9	928.2	869.4	817.4	770.5	726.6	686.4	654.3	624.7
27.5°	1097.2	1034.1	974.7	911.5	850.7	795.9	746.7	700.5	660.3	625.8	595.6
30°	1090.7	1023.1	959.4	893.8	832.2	779.5	727.6	683.4	641.5	605.7	575.2
32.5°	1076.9	1009.7	941.2	873.9	811.5	757.3	708.1	663.6	622.5	585.8	553.5
35°	1049.2	981.2	906.8	837.8	776.5	720.2	674.0	631.1	591.9	552.8	518.6
37.5°	1012.8	943.4	869.4	793.8	732.5	679.3	636.9	596.7	558.4	522.6	484.7
40°	978.5	915.2	838.9	763.8	700.9	649.5	610.4	573.9	535.4	499.8	461.9
42.5°	937.0	883.0	805.9	730.6	668.4	619.0	582.5	546.8	511.8	477.3	437.8
45°	867.6	826.8	754.4	682.1	619.4	570.5	537.0	505.5	474.7	441.9	404.7
47.5°	788.2	760.5	698.1	624.0	566.0	522.0	489.7	463.9	437.8	405.0	372.4
50°	733.0	715.2	655.0	587.3	532.0	491.5	458.3	434.1	412.4	380.9	351.7
52.5°	674.0	664.6	613.6	548.9	495.5	455.8	427.5	405.8	383.7	357.6	330.3
55°	584.3	589.3	546.0	490.1	439.9	406.4	380.6	362.5	343.7	321.6	300.5
57.5°	492.4	510.8	481.8	432.7	385.6	354.6	335.2	319.9	304.3	285.9	267.9
60°	437.5	452.9	436.5	393.3	352.1	323.3	305.2	293.4	277.7	261.0	247.2
62.5°	383.9	400.4	390.6	355.8	317.5	292.7	276.8	265.9	254.2	239.5	225.2
65°	316.6	327.3	322.6	298.5	271.4	250.2	235.5	227.5	216.7	206.0	193.3
67.5°	242.5	263.2	260.5	247.6	224.2	207.7	198.0	191.0	181.2	173.2	164.5
70°	199.3	218.4	218.1	207.7	194.9	179.5	172.9	166.9	158.1	150.4	143.4
72.5°	163.2	180.6	183.2	175.3	166.6	154.9	148.4	144.3	135.9	130.6	124.8
75°	114.3	127.0	130.4	130.4	126.3	120.3	114.6	111.9	105.8	101.2	97.8
77.5°	74.9	82.9	88.2	89.4	90.0	88.0	83.3	81.4	76.8	75.1	71.9
80°	53.0	58.3	64.3	66.3	68.0	67.3	65.3	64.0	59.7	57.9	56.7
82.5°	36.6	39.5	44.5	48.9	48.5	50.2	48.5	47.4	44.1	43.5	42.1
85°	19.1	19.5	20.1	23.1	24.8	25.5	25.8	25.1	24.1	24.1	21.8
87.5°	9.6	9.0	9.3	8.9	8.8	9.4	9.8	9.6	9.2	8.9	8.4
90°	15.8	14.3	12.8	11.0	8.9	6.8	4.6	2.6	4.6	6.8	8.9
92.5°	31.9	30.8	29.8	28.0	25.6	23.2	20.8	18.4	20.8	23.2	25.6
95°	62.7	61.3	59.9	58.5	56.7	55.0	53.3	51.6	53.3	55.0	56.7
97.5°	100.1	98.6	97.0	95.6	94.2	92.8	91.4	90.1	91.4	92.8	94.2
100°	128.0	126.3	124.6	123.4	122.6	121.8	121.1	120.3	121.1	121.8	122.6
102.5°	157.2	155.7	154.1	153.2	152.8	152.6	152.2	152.0	152.2	152.6	152.8
105°	203.0	202.2	201.5	201.0	200.8	200.6	200.4	200.3	200.4	200.6	200.8
107.5°	252.3	252.2	252.0	251.8	251.7	251.4	251.2	251.0	251.2	251.4	251.7
110°	286.5	286.7	287.0	286.9	286.5	286.1	285.7	285.3	285.7	286.1	286.5



TEST NUMBER: P332914-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	320.6	320.9	321.2	321.4	321.3	321.2	321.2	321.1	321.2	321.2	321.3
115°	373.8	374.1	374.5	374.7	374.7	374.7	374.7	374.7	374.7	374.7	374.7
117.5°	425.2	425.5	425.8	425.9	425.7	425.5	425.4	425.2	425.4	425.5	425.7
120°	460.9	461.5	462.1	462.0	461.2	460.5	459.7	458.9	459.7	460.5	461.2
122.5°	494.6	495.0	495.2	495.2	494.9	494.6	494.3	494.0	494.3	494.6	494.9
125°	545.3	545.4	545.6	545.7	545.7	545.7	545.7	545.7	545.7	545.7	545.7
127.5°	594.4	594.8	595.0	595.0	594.3	593.7	593.2	592.6	593.2	593.7	594.3
130°	628.2	628.2	628.2	627.9	627.3	626.8	626.2	625.6	626.2	626.8	627.3
132.5°	660.8	661.0	661.2	661.0	660.6	660.1	659.8	659.4	659.8	660.1	660.6
135°	709.0	709.0	709.0	708.4	707.3	706.1	705.0	703.9	705.0	706.1	707.3
137.5°	755.5	755.2	754.8	754.5	753.9	753.4	752.9	752.3	752.9	753.4	753.9
140°	786.4	786.4	786.4	786.2	785.7	785.4	785.0	784.6	785.0	785.4	785.7
142.5°	815.5	815.7	815.8	815.7	815.4	814.9	814.6	814.2	814.6	814.9	815.4
145°	859.0	858.8	858.6	858.2	857.4	856.6	855.8	855.1	855.8	856.6	857.4
147.5°	899.4	899.6	899.7	899.3	898.5	897.5	896.6	895.7	896.6	897.5	898.5
150°	923.9	923.9	923.9	923.5	922.7	922.0	921.2	920.4	921.2	922.0	922.7
152.5°	946.2	946.1	945.9	945.6	945.2	944.7	944.3	943.8	944.3	944.7	945.2
155°	979.2	979.4	979.6	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7
157.5°	1008.3	1008.3	1008.4	1008.6	1008.9	1009.3	1009.6	1010.0	1009.6	1009.3	1008.9
160°	1026.5	1026.7	1026.9	1027.1	1027.3	1027.4	1027.6	1027.9	1027.6	1027.4	1027.3
162.5°	1041.6	1041.8	1042.0	1042.3	1042.8	1043.4	1043.9	1044.3	1043.9	1043.4	1042.8
165°	1063.0	1063.3	1063.8	1064.2	1064.8	1065.4	1065.9	1066.5	1065.9	1065.4	1064.8
167.5°	1080.0	1080.0	1080.0	1080.3	1081.2	1081.9	1082.7	1083.6	1082.7	1081.9	1081.2
170°	1089.3	1089.2	1088.9	1089.3	1090.3	1091.2	1092.2	1093.1	1092.2	1091.2	1090.3
172.5°	1096.5	1096.5	1096.4	1096.8	1097.6	1098.5	1099.2	1100.0	1099.2	1098.5	1097.6
175°	1104.7	1104.9	1105.1	1105.7	1106.6	1107.6	1108.5	1109.5	1108.5	1107.6	1106.6
177.5°	1109.1	1109.1	1109.1	1109.5	1110.3	1111.0	1111.8	1112.6	1111.8	1111.0	1110.3
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2



TEST NUMBER: P332914-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	816.5	813.8	810.3	806.2	801.4	797.2	795.3	796.9	797.7	795.6	795.3
5°	791.6	783.3	776.5	766.5	758.5	751.7	747.0	745.0	745.7	740.4	739.0
7.5°	763.6	753.7	742.8	730.8	719.7	709.9	704.7	701.9	696.2	693.8	689.7
10°	745.7	732.3	721.6	707.5	694.8	683.0	677.3	672.7	667.0	664.3	658.6
12.5°	727.2	711.7	699.9	685.3	672.3	658.1	652.7	644.0	635.1	629.5	622.2
15°	701.1	682.4	668.0	650.6	635.2	619.1	604.7	588.6	582.6	569.8	562.5
17.5°	670.6	651.6	633.8	610.4	586.7	566.7	551.3	536.0	526.7	518.6	514.8
20°	650.6	633.2	608.4	581.3	554.7	532.6	520.2	510.2	500.2	494.5	490.4
22.5°	631.5	609.3	580.5	551.2	524.8	507.5	497.0	486.6	478.5	473.0	467.7
25°	599.7	570.5	540.0	506.5	488.4	473.4	461.9	453.6	448.6	441.5	438.9
27.5°	566.9	531.6	497.9	475.4	456.6	442.8	432.9	426.6	420.3	415.7	412.2
30°	541.7	505.8	475.7	454.3	435.1	423.8	415.7	408.4	403.4	399.7	397.0
32.5°	516.8	481.0	455.6	432.6	417.5	406.4	397.8	392.3	388.3	383.6	381.9
35°	480.7	448.9	426.8	406.0	390.6	380.6	373.8	368.2	364.8	363.5	362.5
37.5°	446.1	420.0	396.2	379.2	365.5	357.6	349.7	346.9	344.6	342.2	343.3
40°	424.1	399.7	378.6	360.5	349.4	340.7	336.0	332.7	330.6	330.6	330.6
42.5°	405.1	381.2	360.6	344.4	333.3	326.0	320.7	317.9	317.3	316.9	318.6
45°	375.6	353.4	332.7	319.3	309.9	302.5	299.5	297.1	297.1	298.5	298.9
47.5°	346.3	325.5	308.8	293.9	285.2	280.7	278.0	276.8	277.0	278.3	279.8
50°	328.3	307.9	291.4	278.0	270.0	265.6	263.3	262.6	263.3	263.3	265.6
52.5°	308.8	290.4	274.3	263.0	253.9	249.9	248.6	247.6	248.1	249.1	250.1
55°	280.1	263.6	248.2	237.5	230.8	228.2	225.2	225.5	224.8	225.5	225.5
57.5°	251.3	236.6	222.2	213.7	207.8	204.0	200.7	201.6	200.6	200.4	199.9
60°	232.8	216.7	205.3	197.7	191.0	187.6	184.6	185.3	184.3	183.6	182.3
62.5°	212.8	199.3	188.5	181.1	175.6	171.8	168.8	168.1	165.7	163.5	160.5
65°	183.6	172.5	162.8	155.8	150.8	147.7	145.4	143.4	138.4	133.0	130.4
67.5°	155.2	147.2	138.2	132.2	128.2	124.2	119.8	116.3	111.6	108.7	107.0
70°	137.0	129.3	121.6	115.9	111.6	107.9	102.8	100.5	97.1	95.8	94.1
72.5°	119.6	112.4	105.2	100.1	95.5	92.6	88.7	86.3	84.8	84.3	82.6
75°	93.2	87.5	82.1	77.4	73.7	71.7	70.0	68.4	67.7	64.7	62.9
77.5°	67.9	64.1	60.9	57.5	54.8	53.6	50.3	48.4	47.3	45.8	45.5
80°	53.0	50.3	46.9	44.9	41.2	39.9	38.5	38.2	37.9	37.5	37.2
82.5°	39.8	37.1	33.8	32.5	31.6	30.7	30.0	29.6	29.3	29.4	29.4
85°	20.1	18.8	18.8	18.4	18.1	17.7	17.4	17.4	17.0	17.4	17.0
87.5°	8.9	9.0	9.3	9.0	9.6	10.0	9.9	10.2	10.6	10.3	10.5
90°	11.0	12.8	14.3	15.8	17.4	18.9	20.1	21.2	22.4	23.5	24.3
92.5°	28.0	29.8	30.8	31.9	33.0	34.0	34.7	35.4	36.1	36.8	37.3
95°	58.5	59.9	61.3	62.7	64.0	65.3	65.9	66.5	67.1	67.6	67.9
97.5°	95.6	97.0	98.6	100.1	101.8	103.3	104.0	104.7	105.4	106.1	106.4
100°	123.4	124.6	126.3	128.0	129.8	131.5	131.9	132.2	132.6	133.0	133.2
102.5°	153.2	154.1	155.7	157.2	158.8	160.4	160.9	161.4	162.0	162.5	162.8
105°	201.0	201.5	202.2	203.0	203.8	204.6	205.1	205.7	206.3	206.8	207.4
107.5°	251.8	252.0	252.2	252.3	252.4	252.5	253.0	253.6	254.1	254.6	254.9
110°	286.9	287.0	286.7	286.5	286.4	286.2	285.8	285.4	285.0	284.6	284.7



TEST NUMBER: P332914-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	321.4	321.2	320.9	320.6	320.2	319.9	319.8	319.7	319.6	319.6	319.6
115°	374.7	374.5	374.1	373.8	373.3	373.0	372.8	372.6	372.4	372.2	372.0
117.5°	425.9	425.8	425.5	425.2	425.0	424.7	424.0	423.4	422.8	422.1	421.6
120°	462.0	462.1	461.5	460.9	460.4	459.8	458.8	457.9	456.9	456.0	455.6
122.5°	495.2	495.2	495.0	494.6	494.4	494.1	493.5	492.8	492.2	491.5	490.9
125°	545.7	545.6	545.4	545.3	545.0	544.8	544.5	544.1	543.7	543.3	542.9
127.5°	595.0	595.0	594.8	594.4	594.2	593.8	593.5	593.1	592.7	592.3	591.9
130°	627.9	628.2	628.2	628.2	628.2	628.2	627.8	627.5	627.1	626.7	626.1
132.5°	661.0	661.2	661.0	660.8	660.6	660.6	660.1	659.8	659.4	659.0	658.7
135°	708.4	709.0	709.0	709.0	709.0	709.0	708.6	708.3	707.8	707.5	707.0
137.5°	754.5	754.8	755.2	755.5	755.8	756.1	755.6	755.1	754.6	754.1	753.9
140°	786.2	786.4	786.4	786.4	786.4	786.4	786.2	786.0	785.7	785.6	785.4
142.5°	815.7	815.8	815.7	815.5	815.4	815.2	815.2	815.1	815.1	815.1	815.0
145°	858.2	858.6	858.8	859.0	859.2	859.4	859.2	859.0	858.8	858.6	858.2
147.5°	899.3	899.7	899.6	899.4	899.2	899.1	899.0	898.8	898.6	898.5	898.3
150°	923.5	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.8
152.5°	945.6	945.9	946.1	946.2	946.4	946.5	947.0	947.4	947.9	948.4	948.4
155°	979.7	979.6	979.4	979.2	979.0	978.9	979.6	980.4	981.1	981.9	981.9
157.5°	1008.6	1008.4	1008.3	1008.3	1008.3	1008.2	1008.8	1009.4	1010.0	1010.6	1010.5
160°	1027.1	1026.9	1026.7	1026.5	1026.3	1026.1	1026.7	1027.3	1027.9	1028.4	1028.2
162.5°	1042.3	1042.0	1041.8	1041.6	1041.5	1041.2	1042.2	1043.3	1044.3	1045.3	1045.4
165°	1064.2	1063.8	1063.3	1063.0	1062.6	1062.2	1063.3	1064.5	1065.7	1066.8	1067.0
167.5°	1080.3	1080.0	1080.0	1080.0	1080.0	1080.1	1081.2	1082.4	1083.6	1084.7	1084.7
170°	1089.3	1088.9	1089.2	1089.3	1089.5	1089.7	1090.9	1092.0	1093.1	1094.3	1094.2
172.5°	1096.8	1096.4	1096.5	1096.5	1096.6	1096.6	1097.9	1099.2	1100.4	1101.8	1101.7
175°	1105.7	1105.1	1104.9	1104.7	1104.5	1104.3	1105.7	1107.0	1108.4	1109.7	1109.7
177.5°	1109.5	1109.1	1109.1	1109.1	1109.1	1109.1	1110.2	1111.3	1112.3	1113.4	1113.4
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2



TEST NUMBER: P332914-935

CATALOG NUMBER: SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	793.7	794.2	792.4	791.8	792.4	794.2	793.7	795.3	795.6	797.7	796.9
5°	736.3	735.6	734.0	734.3	734.0	735.6	736.3	739.0	740.4	745.7	745.0
7.5°	687.3	684.7	685.4	682.7	685.4	684.7	687.3	689.7	693.8	696.2	701.9
10°	657.3	653.6	650.6	647.9	650.6	653.6	657.3	658.6	664.3	667.0	672.7
12.5°	616.3	613.1	609.0	609.8	609.0	613.1	616.3	622.2	629.5	635.1	644.0
15°	558.1	553.1	545.0	546.0	545.0	553.1	558.1	562.5	569.8	582.6	588.6
17.5°	508.9	508.9	505.2	506.1	505.2	508.9	508.9	514.8	518.6	526.7	536.0
20°	483.4	481.0	481.4	480.4	481.4	481.0	483.4	490.4	494.5	500.2	510.2
22.5°	465.7	462.9	460.5	458.4	460.5	462.9	465.7	467.7	473.0	478.5	486.6
25°	435.8	433.9	430.8	430.2	430.8	433.9	435.8	438.9	441.5	448.6	453.6
27.5°	409.6	409.1	407.9	406.4	407.9	409.1	409.6	412.2	415.7	420.3	426.6
30°	394.3	393.6	393.0	391.9	393.0	393.6	394.3	397.0	399.7	403.4	408.4
32.5°	380.6	380.2	379.5	379.6	379.5	380.2	380.6	381.9	383.6	388.3	392.3
35°	361.1	360.8	360.2	359.8	360.2	360.8	361.1	362.5	363.5	364.8	368.2
37.5°	342.9	343.8	343.4	343.3	343.4	343.8	342.9	343.3	342.2	344.6	346.9
40°	330.3	330.6	331.3	331.0	331.3	330.6	330.3	330.6	330.6	330.6	332.7
42.5°	319.9	319.9	320.9	319.7	320.9	319.9	319.9	318.6	316.9	317.3	317.9
45°	301.2	303.2	302.8	302.8	302.8	303.2	301.2	298.9	298.5	297.1	297.1
47.5°	280.7	282.5	282.9	282.8	282.9	282.5	280.7	279.8	278.3	277.0	276.8
50°	267.3	266.7	267.7	267.3	267.7	266.7	267.3	265.6	263.3	263.3	262.6
52.5°	251.0	251.2	251.1	250.7	251.1	251.2	251.0	250.1	249.1	248.1	247.6
55°	225.8	226.1	225.5	225.8	225.5	226.1	225.8	225.5	225.5	224.8	225.5
57.5°	198.5	196.8	197.5	196.7	197.5	196.8	198.5	199.9	200.4	200.6	201.6
60°	178.9	176.2	175.6	174.2	175.6	176.2	178.9	182.3	183.6	184.3	185.3
62.5°	156.9	155.1	152.7	153.9	152.7	155.1	156.9	160.5	163.5	165.7	168.1
65°	127.6	126.3	125.3	126.7	125.3	126.3	127.6	130.4	133.0	138.4	143.4
67.5°	105.6	105.0	105.0	104.3	105.0	105.0	105.6	107.0	108.7	111.6	116.3
70°	94.1	93.2	93.2	92.5	93.2	93.2	94.1	94.1	95.8	97.1	100.5
72.5°	82.3	81.4	81.6	81.2	81.6	81.4	82.3	82.6	84.3	84.8	86.3
75°	61.0	59.3	59.3	59.7	59.3	59.3	61.0	62.9	64.7	67.7	68.4
77.5°	45.5	45.1	45.6	45.0	45.6	45.1	45.5	45.5	45.8	47.3	48.4
80°	37.2	36.9	36.5	37.5	36.5	36.9	37.2	37.2	37.5	37.9	38.2
82.5°	28.8	28.8	28.8	30.0	28.8	28.8	28.8	29.4	29.4	29.3	29.6
85°	17.4	16.8	17.4	16.8	17.4	16.8	17.4	17.0	17.4	17.0	17.4
87.5°	11.1	10.9	10.7	11.0	10.7	10.9	11.1	10.5	10.3	10.6	10.2
90°	24.6	25.1	25.4	25.7	25.4	25.1	24.6	24.3	23.5	22.4	21.2
92.5°	37.5	37.7	38.0	38.1	38.0	37.7	37.5	37.3	36.8	36.1	35.4
95°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.6	67.1	66.5
97.5°	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.1	105.4	104.7
100°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.0	132.6	132.2
102.5°	163.0	163.2	163.3	163.4	163.3	163.2	163.0	162.8	162.5	162.0	161.4
105°	207.9	208.5	209.1	209.7	209.1	208.5	207.9	207.4	206.8	206.3	205.7
107.5°	254.9	254.8	254.8	254.7	254.8	254.8	254.9	254.9	254.6	254.1	253.6
110°	285.3	285.9	286.5	287.1	286.5	285.9	285.3	284.7	284.6	285.0	285.4



TEST NUMBER: P332914-935

CATALOG NUMBER: SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	319.7	319.8	319.9	320.0	319.9	319.8	319.7	319.6	319.6	319.6	319.7
115°	371.9	371.6	371.4	371.3	371.4	371.6	371.9	372.0	372.2	372.4	372.6
117.5°	421.2	420.9	420.4	420.1	420.4	420.9	421.2	421.6	422.1	422.8	423.4
120°	456.1	456.4	456.8	457.2	456.8	456.4	456.1	455.6	456.0	456.9	457.9
122.5°	490.2	489.5	488.8	488.1	488.8	489.5	490.2	490.9	491.5	492.2	492.8
125°	542.6	542.2	541.8	541.4	541.8	542.2	542.6	542.9	543.3	543.7	544.1
127.5°	591.7	591.3	591.1	590.7	591.1	591.3	591.7	591.9	592.3	592.7	593.1
130°	625.3	624.6	623.8	623.0	623.8	624.6	625.3	626.1	626.7	627.1	627.5
132.5°	658.3	658.1	657.7	657.5	657.7	658.1	658.3	658.7	659.0	659.4	659.8
135°	706.5	705.8	705.2	704.7	705.2	705.8	706.5	707.0	707.5	707.8	708.3
137.5°	754.1	754.1	754.2	754.4	754.2	754.1	754.1	753.9	754.1	754.6	755.1
140°	785.2	785.0	784.8	784.6	784.8	785.0	785.2	785.4	785.6	785.7	786.0
142.5°	815.0	814.9	814.9	814.9	814.9	814.9	815.0	815.0	815.1	815.1	815.1
145°	857.6	857.1	856.5	855.9	856.5	857.1	857.6	858.2	858.6	858.8	859.0
147.5°	898.1	897.9	897.8	897.6	897.8	897.9	898.1	898.3	898.5	898.6	898.8
150°	923.6	923.3	923.2	923.0	923.2	923.3	923.6	923.8	923.9	923.9	923.9
152.5°	947.9	947.4	946.8	946.3	946.8	947.4	947.9	948.4	948.4	947.9	947.4
155°	981.1	980.4	979.6	978.9	979.6	980.4	981.1	981.9	981.9	981.1	980.4
157.5°	1009.9	1009.2	1008.6	1007.9	1008.6	1009.2	1009.9	1010.5	1010.6	1010.0	1009.4
160°	1027.3	1026.3	1025.4	1024.4	1025.4	1026.3	1027.3	1028.2	1028.4	1027.9	1027.3
162.5°	1044.5	1043.5	1042.6	1041.6	1042.6	1043.5	1044.5	1045.4	1045.3	1044.3	1043.3
165°	1066.3	1065.5	1064.7	1063.9	1064.7	1065.5	1066.3	1067.0	1066.8	1065.7	1064.5
167.5°	1083.5	1082.3	1081.1	1080.0	1081.1	1082.3	1083.5	1084.7	1084.7	1083.6	1082.4
170°	1092.9	1091.5	1090.2	1088.8	1090.2	1091.5	1092.9	1094.2	1094.3	1093.1	1092.0
172.5°	1100.4	1099.1	1097.8	1096.4	1097.8	1099.1	1100.4	1101.7	1101.8	1100.4	1099.2
175°	1108.4	1107.0	1105.7	1104.3	1105.7	1107.0	1108.4	1109.7	1109.7	1108.4	1107.0
177.5°	1112.2	1110.9	1109.7	1108.5	1109.7	1110.9	1112.2	1113.4	1113.4	1112.3	1111.3
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2



TEST NUMBER: P332914-935

CATALOG NUMBER: SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	795.3	797.2	801.4	806.2	810.3	813.8	816.5	820.2	823.7	828.5	833.1
5°	747.0	751.7	758.5	766.5	776.5	783.3	791.6	799.0	809.7	820.4	830.8
7.5°	704.7	709.9	719.7	730.8	742.8	753.7	763.6	776.6	790.8	806.5	823.9
10°	677.3	683.0	694.8	707.5	721.6	732.3	745.7	761.1	777.2	796.3	817.7
12.5°	652.7	658.1	672.3	685.3	699.9	711.7	727.2	742.9	764.3	785.1	809.4
15°	604.7	619.1	635.2	650.6	668.0	682.4	701.1	717.2	737.7	766.8	794.6
17.5°	551.3	566.7	586.7	610.4	633.8	651.6	670.6	690.6	715.0	744.7	776.8
20°	520.2	532.6	554.7	581.3	608.4	633.2	650.6	672.7	697.8	730.0	763.1
22.5°	497.0	507.5	524.8	551.2	580.5	609.3	631.5	653.4	681.2	713.3	749.5
25°	461.9	473.4	488.4	506.5	540.0	570.5	599.7	624.7	654.3	686.4	726.6
27.5°	432.9	442.8	456.6	475.4	497.9	531.6	566.9	595.6	625.8	660.3	700.5
30°	415.7	423.8	435.1	454.3	475.7	505.8	541.7	575.2	605.7	641.5	683.4
32.5°	397.8	406.4	417.5	432.6	455.6	481.0	516.8	553.5	585.8	622.5	663.6
35°	373.8	380.6	390.6	406.0	426.8	448.9	480.7	518.6	552.8	591.9	631.1
37.5°	349.7	357.6	365.5	379.2	396.2	420.0	446.1	484.7	522.6	558.4	596.7
40°	336.0	340.7	349.4	360.5	378.6	399.7	424.1	461.9	499.8	535.4	573.9
42.5°	320.7	326.0	333.3	344.4	360.6	381.2	405.1	437.8	477.3	511.8	546.8
45°	299.5	302.5	309.9	319.3	332.7	353.4	375.6	404.7	441.9	474.7	505.5
47.5°	278.0	280.7	285.2	293.9	308.8	325.5	346.3	372.4	405.0	437.8	463.9
50°	263.3	265.6	270.0	278.0	291.4	307.9	328.3	351.7	380.9	412.4	434.1
52.5°	248.6	249.9	253.9	263.0	274.3	290.4	308.8	330.3	357.6	383.7	405.8
55°	225.2	228.2	230.8	237.5	248.2	263.6	280.1	300.5	321.6	343.7	362.5
57.5°	200.7	204.0	207.8	213.7	222.2	236.6	251.3	267.9	285.9	304.3	319.9
60°	184.6	187.6	191.0	197.7	205.3	216.7	232.8	247.2	261.0	277.7	293.4
62.5°	168.8	171.8	175.6	181.1	188.5	199.3	212.8	225.2	239.5	254.2	265.9
65°	145.4	147.7	150.8	155.8	162.8	172.5	183.6	193.3	206.0	216.7	227.5
67.5°	119.8	124.2	128.2	132.2	138.2	147.2	155.2	164.5	173.2	181.2	191.0
70°	102.8	107.9	111.6	115.9	121.6	129.3	137.0	143.4	150.4	158.1	166.9
72.5°	88.7	92.6	95.5	100.1	105.2	112.4	119.6	124.8	130.6	135.9	144.3
75°	70.0	71.7	73.7	77.4	82.1	87.5	93.2	97.8	101.2	105.8	111.9
77.5°	50.3	53.6	54.8	57.5	60.9	64.1	67.9	71.9	75.1	76.8	81.4
80°	38.5	39.9	41.2	44.9	46.9	50.3	53.0	56.7	57.9	59.7	64.0
82.5°	30.0	30.7	31.6	32.5	33.8	37.1	39.8	42.1	43.5	44.1	47.4
85°	17.4	17.7	18.1	18.4	18.8	18.8	20.1	21.8	24.1	24.1	25.1
87.5°	9.9	10.0	9.6	9.0	9.3	9.0	8.9	8.4	8.9	9.2	9.6
90°	20.1	18.9	17.4	15.8	14.3	12.8	11.0	8.9	6.8	4.6	2.6
92.5°	34.7	34.0	33.0	31.9	30.8	29.8	28.0	25.6	23.2	20.8	18.4
95°	65.9	65.3	64.0	62.7	61.3	59.9	58.5	56.7	55.0	53.3	51.6
97.5°	104.0	103.3	101.8	100.1	98.6	97.0	95.6	94.2	92.8	91.4	90.1
100°	131.9	131.5	129.8	128.0	126.3	124.6	123.4	122.6	121.8	121.1	120.3
102.5°	160.9	160.4	158.8	157.2	155.7	154.1	153.2	152.8	152.6	152.2	152.0
105°	205.1	204.6	203.8	203.0	202.2	201.5	201.0	200.8	200.6	200.4	200.3
107.5°	253.0	252.5	252.4	252.3	252.2	252.0	251.8	251.7	251.4	251.2	251.0
110°	285.8	286.2	286.4	286.5	286.7	287.0	286.9	286.5	286.1	285.7	285.3



TEST NUMBER: P332914-935

CATALOG NUMBER: SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	319.8	319.9	320.2	320.6	320.9	321.2	321.4	321.3	321.2	321.2	321.1
115°	372.8	373.0	373.3	373.8	374.1	374.5	374.7	374.7	374.7	374.7	374.7
117.5°	424.0	424.7	425.0	425.2	425.5	425.8	425.9	425.7	425.5	425.4	425.2
120°	458.8	459.8	460.4	460.9	461.5	462.1	462.0	461.2	460.5	459.7	458.9
122.5°	493.5	494.1	494.4	494.6	495.0	495.2	495.2	494.9	494.6	494.3	494.0
125°	544.5	544.8	545.0	545.3	545.4	545.6	545.7	545.7	545.7	545.7	545.7
127.5°	593.5	593.8	594.2	594.4	594.8	595.0	595.0	594.3	593.7	593.2	592.6
130°	627.8	628.2	628.2	628.2	628.2	628.2	627.9	627.3	626.8	626.2	625.6
132.5°	660.1	660.6	660.6	660.8	661.0	661.2	661.0	660.6	660.1	659.8	659.4
135°	708.6	709.0	709.0	709.0	709.0	709.0	708.4	707.3	706.1	705.0	703.9
137.5°	755.6	756.1	755.8	755.5	755.2	754.8	754.5	753.9	753.4	752.9	752.3
140°	786.2	786.4	786.4	786.4	786.4	786.4	786.2	785.7	785.4	785.0	784.6
142.5°	815.2	815.2	815.4	815.5	815.7	815.8	815.7	815.4	814.9	814.6	814.2
145°	859.2	859.4	859.2	859.0	858.8	858.6	858.2	857.4	856.6	855.8	855.1
147.5°	899.0	899.1	899.2	899.4	899.6	899.7	899.3	898.5	897.5	896.6	895.7
150°	923.9	923.9	923.9	923.9	923.9	923.9	923.5	922.7	922.0	921.2	920.4
152.5°	947.0	946.5	946.4	946.2	946.1	945.9	945.6	945.2	944.7	944.3	943.8
155°	979.6	978.9	979.0	979.2	979.4	979.6	979.7	979.7	979.7	979.7	979.7
157.5°	1008.8	1008.2	1008.3	1008.3	1008.3	1008.4	1008.6	1008.9	1009.3	1009.6	1010.0
160°	1026.7	1026.1	1026.3	1026.5	1026.7	1026.9	1027.1	1027.3	1027.4	1027.6	1027.9
162.5°	1042.2	1041.2	1041.5	1041.6	1041.8	1042.0	1042.3	1042.8	1043.4	1043.9	1044.3
165°	1063.3	1062.2	1062.6	1063.0	1063.3	1063.8	1064.2	1064.8	1065.4	1065.9	1066.5
167.5°	1081.2	1080.1	1080.0	1080.0	1080.0	1080.0	1080.3	1081.2	1081.9	1082.7	1083.6
170°	1090.9	1089.7	1089.5	1089.3	1089.2	1088.9	1089.3	1090.3	1091.2	1092.2	1093.1
172.5°	1097.9	1096.6	1096.6	1096.5	1096.5	1096.4	1096.8	1097.6	1098.5	1099.2	1100.0
175°	1105.7	1104.3	1104.5	1104.7	1104.9	1105.1	1105.7	1106.6	1107.6	1108.5	1109.5
177.5°	1110.2	1109.1	1109.1	1109.1	1109.1	1109.1	1109.5	1110.3	1111.0	1111.8	1112.6
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2



TEST NUMBER: P332914-935

CATALOG NUMBER: SA4XXRDIP-C575D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	836.5	839.0	841.6	846.7	851.0	852.9	856.7	859.4	858.5	862.3	868.7
5°	839.8	848.9	859.3	870.0	882.0	892.1	900.2	908.2	914.6	922.2	933.7
7.5°	839.3	855.4	872.9	892.1	911.9	928.9	944.8	960.9	975.1	990.8	1011.2
10°	837.2	858.6	880.4	905.5	930.7	954.4	975.9	995.9	1015.0	1035.4	1061.3
12.5°	834.7	859.4	885.7	915.9	947.3	975.9	1001.1	1030.0	1053.9	1080.2	1110.1
15°	824.1	857.3	893.1	932.3	969.8	1008.3	1042.8	1078.4	1111.6	1143.0	1180.5
17.5°	811.9	850.2	892.4	938.7	983.9	1030.6	1071.6	1116.4	1150.2	1192.5	1227.4
20°	802.0	843.2	888.4	940.3	991.6	1043.5	1088.7	1134.3	1172.5	1215.0	1259.3
22.5°	790.0	835.2	884.2	937.9	991.6	1048.4	1098.4	1143.7	1191.0	1238.9	1284.4
25°	770.5	817.4	869.4	928.2	989.9	1047.8	1101.5	1157.8	1208.7	1260.6	1301.5
27.5°	746.7	795.9	850.7	911.5	974.7	1034.1	1097.2	1157.2	1208.4	1258.4	1294.0
30°	727.6	779.5	832.2	893.8	959.4	1023.1	1090.7	1150.7	1204.6	1249.6	1269.6
32.5°	708.1	757.3	811.5	873.9	941.2	1009.7	1076.9	1138.2	1188.0	1215.0	1215.5
35°	674.0	720.2	776.5	837.8	906.8	981.2	1049.2	1109.5	1140.0	1142.4	1109.5
37.5°	636.9	679.3	732.5	793.8	869.4	943.4	1012.8	1053.0	1063.2	1029.2	968.5
40°	610.4	649.5	700.9	763.8	838.9	915.2	978.5	1008.0	997.3	942.0	874.3
42.5°	582.5	619.0	668.4	730.6	805.9	883.0	937.0	952.8	924.4	860.6	781.4
45°	537.0	570.5	619.4	682.1	754.4	826.8	867.6	859.6	812.4	736.7	647.9
47.5°	489.7	522.0	566.0	624.0	698.1	760.5	788.2	764.0	696.7	613.5	541.2
50°	458.3	491.5	532.0	587.3	655.0	715.2	733.0	696.1	621.4	541.4	475.0
52.5°	427.5	455.8	495.5	548.9	613.6	664.6	674.0	631.5	554.4	482.7	423.9
55°	380.6	406.4	439.9	490.1	546.0	589.3	584.3	529.6	459.6	398.3	352.1
57.5°	335.2	354.6	385.6	432.7	481.8	510.8	492.4	445.9	380.6	330.5	291.4
60°	305.2	323.3	352.1	393.3	436.5	452.9	437.5	386.9	335.4	289.5	256.6
62.5°	276.8	292.7	317.5	355.8	390.6	400.4	383.9	339.8	293.3	254.1	226.9
65°	235.5	250.2	271.4	298.5	322.6	327.3	316.6	271.4	236.2	203.4	184.6
67.5°	198.0	207.7	224.2	247.6	260.5	263.2	242.5	214.0	183.0	162.9	148.8
70°	172.9	179.5	194.9	207.7	218.1	218.4	199.3	176.5	152.7	136.4	126.0
72.5°	148.4	154.9	166.6	175.3	183.2	180.6	163.2	145.2	126.0	113.6	105.8
75°	114.6	120.3	126.3	130.4	130.4	127.0	114.3	100.8	89.8	82.4	80.1
77.5°	83.3	88.0	90.0	89.4	88.2	82.9	74.9	66.1	62.2	58.7	56.9
80°	65.3	67.3	68.0	66.3	64.3	58.3	53.0	49.2	45.5	44.3	43.6
82.5°	48.5	50.2	48.5	48.9	44.5	39.5	36.6	35.3	33.8	33.2	32.5
85°	25.8	25.5	24.8	23.1	20.1	19.5	19.1	18.8	18.1	18.4	17.7
87.5°	9.8	9.4	8.8	8.9	9.3	9.0	9.6	9.9	10.2	10.2	10.9
90°	4.6	6.8	8.9	11.0	12.8	14.3	15.8	17.4	18.9	20.1	21.2
92.5°	20.8	23.2	25.6	28.0	29.8	30.8	31.9	33.0	34.0	34.7	35.4
95°	53.3	55.0	56.7	58.5	59.9	61.3	62.7	64.0	65.3	65.9	66.5
97.5°	91.4	92.8	94.2	95.6	97.0	98.6	100.1	101.8	103.3	104.0	104.7
100°	121.1	121.8	122.6	123.4	124.6	126.3	128.0	129.8	131.5	131.9	132.2
102.5°	152.2	152.6	152.8	153.2	154.1	155.7	157.2	158.8	160.4	160.9	161.4
105°	200.4	200.6	200.8	201.0	201.5	202.2	203.0	203.8	204.6	205.1	205.7
107.5°	251.2	251.4	251.7	251.8	252.0	252.2	252.3	252.4	252.5	253.0	253.6
110°	285.7	286.1	286.5	286.9	287.0	286.7	286.5	286.4	286.2	285.8	285.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	321.2	321.2	321.3	321.4	321.2	320.9	320.6	320.2	319.9	319.8	319.7
115°	374.7	374.7	374.7	374.7	374.5	374.1	373.8	373.3	373.0	372.8	372.6
117.5°	425.4	425.5	425.7	425.9	425.8	425.5	425.2	425.0	424.7	424.0	423.4
120°	459.7	460.5	461.2	462.0	462.1	461.5	460.9	460.4	459.8	458.8	457.9
122.5°	494.3	494.6	494.9	495.2	495.2	495.0	494.6	494.4	494.1	493.5	492.8
125°	545.7	545.7	545.7	545.7	545.6	545.4	545.3	545.0	544.8	544.5	544.1
127.5°	593.2	593.7	594.3	595.0	595.0	594.8	594.4	594.2	593.8	593.5	593.1
130°	626.2	626.8	627.3	627.9	628.2	628.2	628.2	628.2	628.2	627.8	627.5
132.5°	659.8	660.1	660.6	661.0	661.2	661.0	660.8	660.6	660.6	660.1	659.8
135°	705.0	706.1	707.3	708.4	709.0	709.0	709.0	709.0	709.0	708.6	708.3
137.5°	752.9	753.4	753.9	754.5	754.8	755.2	755.5	755.8	756.1	755.6	755.1
140°	785.0	785.4	785.7	786.2	786.4	786.4	786.4	786.4	786.4	786.2	786.0
142.5°	814.6	814.9	815.4	815.7	815.8	815.7	815.5	815.4	815.2	815.2	815.1
145°	855.8	856.6	857.4	858.2	858.6	858.8	859.0	859.2	859.4	859.2	859.0
147.5°	896.6	897.5	898.5	899.3	899.7	899.6	899.4	899.2	899.1	899.0	898.8
150°	921.2	922.0	922.7	923.5	923.9	923.9	923.9	923.9	923.9	923.9	923.9
152.5°	944.3	944.7	945.2	945.6	945.9	946.1	946.2	946.4	946.5	947.0	947.4
155°	979.7	979.7	979.7	979.7	979.6	979.4	979.2	979.0	978.9	979.6	980.4
157.5°	1009.6	1009.3	1008.9	1008.6	1008.4	1008.3	1008.3	1008.3	1008.2	1008.8	1009.4
160°	1027.6	1027.4	1027.3	1027.1	1026.9	1026.7	1026.5	1026.3	1026.1	1026.7	1027.3
162.5°	1043.9	1043.4	1042.8	1042.3	1042.0	1041.8	1041.6	1041.5	1041.2	1042.2	1043.3
165°	1065.9	1065.4	1064.8	1064.2	1063.8	1063.3	1063.0	1062.6	1062.2	1063.3	1064.5
167.5°	1082.7	1081.9	1081.2	1080.3	1080.0	1080.0	1080.0	1080.0	1080.1	1081.2	1082.4
170°	1092.2	1091.2	1090.3	1089.3	1088.9	1089.2	1089.3	1089.5	1089.7	1090.9	1092.0
172.5°	1099.2	1098.5	1097.6	1096.8	1096.4	1096.5	1096.5	1096.6	1096.6	1097.9	1099.2
175°	1108.5	1107.6	1106.6	1105.7	1105.1	1104.9	1104.7	1104.5	1104.3	1105.7	1107.0
177.5°	1111.8	1111.0	1110.3	1109.5	1109.1	1109.1	1109.1	1109.1	1109.1	1110.2	1111.3
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	872.2	873.3	874.1	876.8	877.0	879.4	877.0
5°	944.3	949.1	956.4	963.8	964.5	969.1	960.8
7.5°	1025.3	1036.1	1042.9	1054.8	1059.5	1062.5	1057.7
10°	1081.1	1091.1	1108.9	1117.6	1126.3	1127.6	1123.6
12.5°	1134.9	1150.8	1164.8	1181.4	1180.9	1192.7	1188.4
15°	1206.7	1223.1	1242.5	1260.9	1267.7	1267.7	1273.0
17.5°	1257.8	1288.0	1308.0	1322.5	1338.3	1341.1	1339.2
20°	1292.4	1324.9	1346.3	1365.1	1375.9	1378.9	1378.9
22.5°	1318.2	1345.8	1366.8	1383.6	1392.5	1396.0	1394.9
25°	1336.0	1359.8	1372.5	1377.5	1379.8	1379.1	1372.9
27.5°	1311.6	1310.5	1302.4	1287.0	1275.5	1268.4	1260.4
30°	1265.0	1247.5	1227.4	1205.3	1176.8	1155.0	1148.4
32.5°	1195.6	1156.4	1122.4	1085.5	1054.9	1033.1	1024.0
35°	1061.3	999.3	948.7	904.5	872.4	852.2	845.5
37.5°	902.0	842.0	779.4	736.5	709.8	689.5	681.9
40°	800.6	735.3	680.7	640.5	613.0	593.3	593.0
42.5°	708.2	645.8	594.4	565.5	535.9	522.8	522.7
45°	579.9	529.9	486.4	463.6	445.9	435.1	432.1
47.5°	480.1	438.9	409.8	391.7	377.2	370.4	365.9
50°	424.1	388.0	364.8	349.0	341.0	332.3	331.7
52.5°	377.5	348.3	330.3	317.5	307.3	302.0	302.2
55°	317.3	294.1	281.4	271.6	263.6	259.6	258.0
57.5°	267.3	249.9	240.6	231.8	228.3	225.2	224.3
60°	236.2	224.5	215.8	208.7	203.7	202.7	202.3
62.5°	210.4	198.2	192.2	186.8	183.0	181.5	180.9
65°	173.5	164.5	159.1	154.8	153.4	151.1	150.8
67.5°	139.9	134.5	131.0	127.9	126.1	126.0	126.0
70°	119.2	116.2	113.2	111.6	110.6	109.9	109.9
72.5°	101.6	99.4	96.9	96.0	95.8	95.1	94.9
75°	77.4	75.1	75.3	73.7	72.3	70.7	69.7
77.5°	54.8	53.2	52.9	52.7	51.5	51.3	51.8
80°	42.5	40.9	40.6	40.9	40.6	39.5	39.5
82.5°	32.4	31.0	30.7	30.4	30.0	30.4	29.9
85°	17.4	16.8	16.8	16.8	17.4	17.0	16.8
87.5°	10.6	10.6	11.0	10.8	10.9	10.7	11.0
90°	22.4	23.5	24.3	24.6	25.1	25.4	25.7
92.5°	36.1	36.8	37.3	37.5	37.7	38.0	38.1
95°	67.1	67.6	67.9	67.9	67.9	67.9	67.9
97.5°	105.4	106.1	106.4	106.4	106.4	106.4	106.4
100°	132.6	133.0	133.2	133.2	133.2	133.2	133.2
102.5°	162.0	162.5	162.8	163.0	163.2	163.3	163.4
105°	206.3	206.8	207.4	207.9	208.5	209.1	209.7
107.5°	254.1	254.6	254.9	254.9	254.8	254.8	254.7
110°	285.0	284.6	284.7	285.3	285.9	286.5	287.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	319.6	319.6	319.6	319.7	319.8	319.9	320.0
115°	372.4	372.2	372.0	371.9	371.6	371.4	371.3
117.5°	422.8	422.1	421.6	421.2	420.9	420.4	420.1
120°	456.9	456.0	455.6	456.1	456.4	456.8	457.2
122.5°	492.2	491.5	490.9	490.2	489.5	488.8	488.1
125°	543.7	543.3	542.9	542.6	542.2	541.8	541.4
127.5°	592.7	592.3	591.9	591.7	591.3	591.1	590.7
130°	627.1	626.7	626.1	625.3	624.6	623.8	623.0
132.5°	659.4	659.0	658.7	658.3	658.1	657.7	657.5
135°	707.8	707.5	707.0	706.5	705.8	705.2	704.7
137.5°	754.6	754.1	753.9	754.1	754.1	754.2	754.4
140°	785.7	785.6	785.4	785.2	785.0	784.8	784.6
142.5°	815.1	815.1	815.0	815.0	814.9	814.9	814.9
145°	858.8	858.6	858.2	857.6	857.1	856.5	855.9
147.5°	898.6	898.5	898.3	898.1	897.9	897.8	897.6
150°	923.9	923.9	923.8	923.6	923.3	923.2	923.0
152.5°	947.9	948.4	948.4	947.9	947.4	946.8	946.3
155°	981.1	981.9	981.9	981.1	980.4	979.6	978.9
157.5°	1010.0	1010.6	1010.5	1009.9	1009.2	1008.6	1007.9
160°	1027.9	1028.4	1028.2	1027.3	1026.3	1025.4	1024.4
162.5°	1044.3	1045.3	1045.4	1044.5	1043.5	1042.6	1041.6
165°	1065.7	1066.8	1067.0	1066.3	1065.5	1064.7	1063.9
167.5°	1083.6	1084.7	1084.7	1083.5	1082.3	1081.1	1080.0
170°	1093.1	1094.3	1094.2	1092.9	1091.5	1090.2	1088.8
172.5°	1100.4	1101.8	1101.7	1100.4	1099.1	1097.8	1096.4
175°	1108.4	1109.7	1109.7	1108.4	1107.0	1105.7	1104.3
177.5°	1112.3	1113.4	1113.4	1112.2	1110.9	1109.7	1108.5
180°	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2	1111.2

(END OF REPORT)