

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: P332913-935

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

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332913-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
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-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

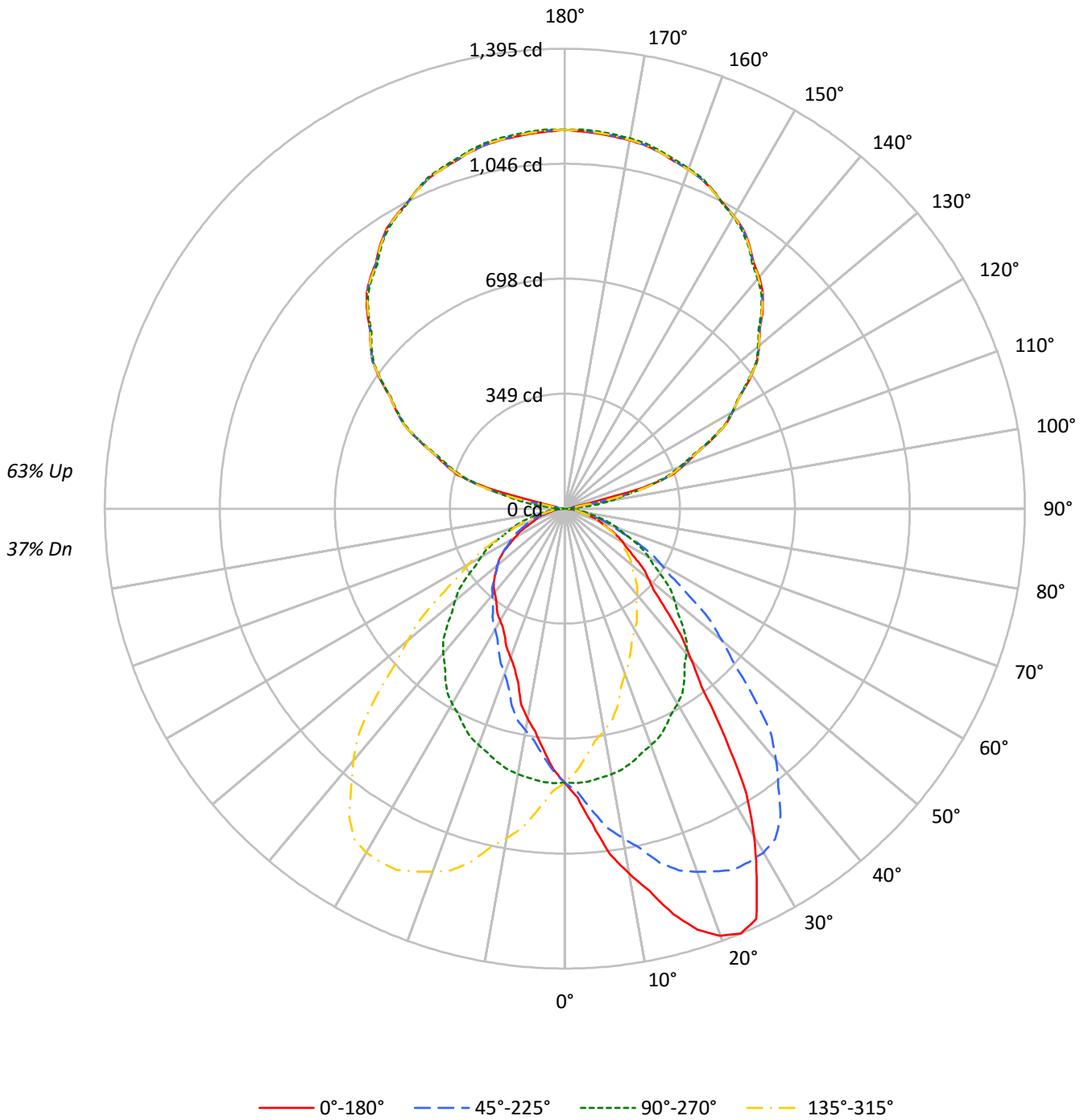
Lumens per Lamp: N/A
Luminaire Lumens: 5659.8 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37				37
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38				32	
2	87	80	74	69	79	73	68	64	59	56	53	47	45	42	35	34	33				27	
3	80	71	64	58	72	64	58	53	53	48	45	42	39	36	32	30	28				24	
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24				20	
5	67	56	48	42	60	51	44	39	42	37	33	34	30	27	26	23	21				18	
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19				16	
7	57	45	37	32	52	41	35	30	34	29	26	28	24	21	21	19	17				14	
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15				13	
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14				12	
10	46	34	27	23	42	32	25	21	26	22	18	21	18	15	17	14	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	1.4
10°-20°	243.0	4.3
20°-30°	380.1	6.7
30°-40°	422.5	7.5
40°-50°	374.9	6.6
50°-60°	292.1	5.2
60°-70°	191.3	3.4
70°-80°	94.1	1.7
80°-90°	26.5	0.5
90°-100°	39.3	0.7
100°-110°	250.6	4.4
110°-120°	479.4	8.5
120°-130°	608.6	10.8
130°-140°	651.1	11.5
140°-150°	608.9	10.8
150°-160°	491.0	8.7
160°-170°	316.7	5.6
170°-180°	109.2	1.9
0°-30°	703.7	12.4
0°-40°	1126.2	19.9
0°-60°	1793.2	31.7
0°-90°	2105.1	37.2
90°-120°	769.3	13.6
90°-150°	2637.9	46.6
90°-180°	3555.0	62.8
0°-180°	5659.8	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	12
95°	25	47	25	47	25	20
105°	245	259	245	259	245	214
115°	486	483	486	483	486	482
125°	684	679	684	679	684	609
135°	848	842	848	842	848	653
145°	976	971	976	971	976	610
155°	1064	1065	1064	1065	1064	491
165°	1118	1123	1118	1123	1118	316
175°	1142	1149	1142	1149	1142	109
180°	1149	1149	1149	1149	1149	



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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	10.7	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°	23.8	23.7	23.6	23.5	23.4	22.8	21.7	20.5	19.4	18.3	16.7
95°	24.9	24.7	24.5	24.4	24.2	23.5	22.4	21.2	20.1	18.9	18.7
97.5°	24.1	23.8	23.7	23.5	23.3	23.2	23.1	22.9	22.8	22.7	44.0
100°	24.1	23.8	23.7	23.5	23.3	24.8	28.1	31.3	34.6	37.8	64.1
102.5°	24.8	24.7	24.7	24.6	24.6	42.1	77.1	112.2	147.1	182.2	185.6
105°	245.0	251.8	258.7	265.6	272.5	275.0	273.3	271.6	269.9	268.2	267.3
107.5°	341.4	340.7	339.9	339.2	338.5	337.7	336.9	336.0	335.2	334.3	333.0
110°	383.3	382.8	382.2	381.6	381.1	380.6	380.2	379.8	379.4	379.0	377.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	425.2	424.6	423.9	423.1	422.4	422.1	422.1	422.2	422.3	422.3	421.8
115°	486.5	486.5	486.5	486.5	486.5	486.3	485.9	485.5	485.2	484.7	484.9
117.5°	548.7	548.8	548.9	549.0	549.1	549.1	549.1	549.2	549.3	549.4	549.0
120°	587.9	588.3	588.7	589.0	589.4	589.4	589.0	588.7	588.3	587.9	588.1
122.5°	626.4	626.8	627.2	627.6	627.9	628.0	627.8	627.6	627.3	627.1	626.8
125°	684.2	684.0	683.8	683.6	683.4	683.0	682.4	681.9	681.3	680.7	681.1
127.5°	734.9	735.0	735.2	735.4	735.5	735.6	735.7	735.9	736.0	736.1	735.2
130°	769.3	769.3	769.3	769.3	769.3	769.1	769.0	768.8	768.6	768.4	767.8
132.5°	800.9	801.1	801.2	801.3	801.5	801.5	801.3	801.1	800.9	800.7	800.0
135°	848.3	847.9	847.6	847.2	846.8	846.4	846.0	845.7	845.2	844.9	844.1
137.5°	888.9	889.0	889.2	889.2	889.3	889.2	888.8	888.4	887.9	887.5	886.7
140°	917.1	916.9	916.7	916.5	916.4	915.9	915.4	914.8	914.2	913.7	913.3
142.5°	940.5	940.5	940.4	940.4	940.3	940.1	939.7	939.3	938.8	938.4	938.1
145°	976.4	976.0	975.6	975.3	974.9	974.6	974.4	974.2	974.0	973.8	973.8
147.5°	1006.2	1006.0	1005.7	1005.6	1005.4	1005.2	1005.0	1004.9	1004.8	1004.6	1004.8
150°	1025.4	1025.2	1025.0	1024.8	1024.6	1024.5	1024.5	1024.5	1024.5	1024.5	1024.8
152.5°	1041.9	1042.0	1042.2	1042.2	1042.3	1042.2	1042.0	1041.6	1041.4	1041.0	1041.4
155°	1064.1	1064.6	1065.2	1065.8	1066.3	1066.3	1065.5	1064.7	1063.9	1063.2	1063.8
157.5°	1082.6	1083.7	1084.6	1085.6	1086.6	1086.6	1085.6	1084.6	1083.7	1082.6	1083.3
160°	1095.0	1096.1	1097.3	1098.5	1099.6	1099.6	1098.5	1097.3	1096.1	1095.0	1095.2
162.5°	1104.7	1106.0	1107.2	1108.5	1109.8	1109.9	1108.8	1107.6	1106.5	1105.4	1105.5
165°	1118.2	1119.9	1121.6	1123.3	1125.1	1125.2	1123.7	1122.1	1120.6	1119.0	1119.0
167.5°	1128.3	1130.2	1132.2	1134.1	1136.0	1136.1	1134.5	1132.7	1131.1	1129.4	1129.5
170°	1134.5	1136.4	1138.4	1140.3	1142.2	1142.4	1140.8	1139.4	1137.8	1136.3	1136.1
172.5°	1138.0	1140.1	1142.1	1144.2	1146.2	1146.5	1145.0	1143.5	1141.9	1140.4	1140.2
175°	1142.3	1144.6	1146.9	1149.2	1151.4	1151.8	1150.0	1148.3	1146.6	1144.9	1144.7
177.5°	1145.0	1146.9	1148.7	1150.6	1152.4	1152.7	1151.4	1150.2	1149.0	1147.8	1147.5
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



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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°	15.2	13.6	12.1	11.3	11.2	11.0	10.9	10.8	10.9	11.0	11.2
95°	18.5	18.3	18.2	21.3	27.8	34.3	40.8	47.3	40.8	34.3	27.8
97.5°	65.3	86.6	108.0	116.6	112.5	108.5	104.4	100.4	104.4	108.5	112.5
100°	90.6	116.9	143.3	154.7	151.3	147.8	144.4	140.9	144.4	147.8	151.3
102.5°	189.1	192.5	196.0	196.4	193.9	191.4	188.9	186.3	188.9	191.4	193.9
105°	266.2	265.3	264.3	263.3	262.2	261.0	259.8	258.7	259.8	261.0	262.2
107.5°	331.7	330.5	329.2	328.2	327.6	327.1	326.5	325.9	326.5	327.1	327.6
110°	376.8	375.6	374.4	373.6	373.0	372.5	371.9	371.3	371.9	372.5	373.0



TEST NUMBER: P332913-935

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	421.3	420.8	420.3	419.5	418.4	417.4	416.4	415.3	416.4	417.4	418.4
115°	485.2	485.3	485.5	485.3	484.7	484.2	483.6	483.0	483.6	484.2	484.7
117.5°	548.5	548.1	547.7	547.2	546.4	545.6	544.8	544.1	544.8	545.6	546.4
120°	588.3	588.5	588.7	588.4	587.6	586.9	586.1	585.3	586.1	586.9	587.6
122.5°	626.5	626.3	626.0	625.7	625.2	624.7	624.3	623.8	624.3	624.7	625.2
125°	681.5	681.9	682.3	682.1	681.3	680.5	679.8	679.0	679.8	680.5	681.3
127.5°	734.3	733.5	732.5	732.0	731.8	731.7	731.4	731.2	731.4	731.7	731.8
130°	767.2	766.7	766.1	765.7	765.5	765.3	765.2	765.0	765.2	765.3	765.5
132.5°	799.3	798.6	797.8	797.3	796.9	796.6	796.3	795.9	796.3	796.6	796.9
135°	843.3	842.6	841.8	841.5	841.7	842.0	842.1	842.3	842.1	842.0	841.7
137.5°	885.9	885.0	884.2	883.7	883.6	883.6	883.5	883.4	883.5	883.6	883.6
140°	912.9	912.5	912.1	911.7	911.4	911.0	910.6	910.2	910.6	911.0	911.4
142.5°	938.0	937.7	937.5	937.0	936.3	935.6	935.0	934.3	935.0	935.6	936.3
145°	973.8	973.8	973.8	973.5	972.9	972.4	971.8	971.2	971.8	972.4	972.9
147.5°	1005.0	1005.1	1005.4	1005.0	1003.8	1002.8	1001.7	1000.7	1001.7	1002.8	1003.8
150°	1024.9	1025.1	1025.3	1025.0	1024.2	1023.5	1022.7	1021.9	1022.7	1023.5	1024.2
152.5°	1041.7	1042.1	1042.4	1042.2	1041.6	1041.0	1040.4	1039.8	1040.4	1041.0	1041.6
155°	1064.4	1065.0	1065.5	1065.7	1065.5	1065.3	1065.1	1065.0	1065.1	1065.3	1065.5
157.5°	1083.9	1084.6	1085.2	1085.6	1085.7	1085.8	1086.0	1086.1	1086.0	1085.8	1085.7
160°	1095.4	1095.6	1095.8	1096.1	1096.7	1097.3	1097.9	1098.5	1097.9	1097.3	1096.7
162.5°	1105.7	1105.9	1106.1	1106.6	1107.2	1108.0	1108.7	1109.5	1108.7	1108.0	1107.2
165°	1119.0	1119.0	1119.0	1119.6	1120.5	1121.5	1122.4	1123.3	1122.4	1121.5	1120.5
167.5°	1129.6	1129.7	1129.9	1130.4	1131.4	1132.4	1133.4	1134.4	1133.4	1132.4	1131.4
170°	1135.9	1135.7	1135.5	1136.0	1137.1	1138.2	1139.4	1140.6	1139.4	1138.2	1137.1
172.5°	1140.1	1139.8	1139.6	1140.1	1141.3	1142.4	1143.6	1144.7	1143.6	1142.4	1141.3
175°	1144.5	1144.3	1144.1	1144.6	1145.7	1146.9	1148.1	1149.2	1148.1	1146.9	1145.7
177.5°	1147.2	1146.9	1146.6	1146.9	1148.1	1149.1	1150.1	1151.2	1150.1	1149.1	1148.1
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332913-935

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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	10.7	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°	11.3	12.1	13.6	15.2	16.7	18.3	19.4	20.5	21.7	22.8	23.4
95°	21.3	18.2	18.3	18.5	18.7	18.9	20.1	21.2	22.4	23.5	24.2
97.5°	116.6	108.0	86.6	65.3	44.0	22.7	22.8	22.9	23.1	23.2	23.3
100°	154.7	143.3	116.9	90.6	64.1	37.8	34.6	31.3	28.1	24.8	23.3
102.5°	196.4	196.0	192.5	189.1	185.6	182.2	147.1	112.2	77.1	42.1	24.6
105°	263.3	264.3	265.3	266.2	267.3	268.2	269.9	271.6	273.3	275.0	272.5
107.5°	328.2	329.2	330.5	331.7	333.0	334.3	335.2	336.0	336.9	337.7	338.5
110°	373.6	374.4	375.6	376.8	377.9	379.0	379.4	379.8	380.2	380.6	381.1



TEST NUMBER: P332913-935

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	419.5	420.3	420.8	421.3	421.8	422.3	422.3	422.2	422.1	422.1	422.4
115°	485.3	485.5	485.3	485.2	484.9	484.7	485.2	485.5	485.9	486.3	486.5
117.5°	547.2	547.7	548.1	548.5	549.0	549.4	549.3	549.2	549.1	549.1	549.1
120°	588.4	588.7	588.5	588.3	588.1	587.9	588.3	588.7	589.0	589.4	589.4
122.5°	625.7	626.0	626.3	626.5	626.8	627.1	627.3	627.6	627.8	628.0	627.9
125°	682.1	682.3	681.9	681.5	681.1	680.7	681.3	681.9	682.4	683.0	683.4
127.5°	732.0	732.5	733.5	734.3	735.2	736.1	736.0	735.9	735.7	735.6	735.5
130°	765.7	766.1	766.7	767.2	767.8	768.4	768.6	768.8	769.0	769.1	769.3
132.5°	797.3	797.8	798.6	799.3	800.0	800.7	800.9	801.1	801.3	801.5	801.5
135°	841.5	841.8	842.6	843.3	844.1	844.9	845.2	845.7	846.0	846.4	846.8
137.5°	883.7	884.2	885.0	885.9	886.7	887.5	887.9	888.4	888.8	889.2	889.3
140°	911.7	912.1	912.5	912.9	913.3	913.7	914.2	914.8	915.4	915.9	916.4
142.5°	937.0	937.5	937.7	938.0	938.1	938.4	938.8	939.3	939.7	940.1	940.3
145°	973.5	973.8	973.8	973.8	973.8	973.8	974.0	974.2	974.4	974.6	974.9
147.5°	1005.0	1005.4	1005.1	1005.0	1004.8	1004.6	1004.8	1004.9	1005.0	1005.2	1005.4
150°	1025.0	1025.3	1025.1	1024.9	1024.8	1024.5	1024.5	1024.5	1024.5	1024.5	1024.6
152.5°	1042.2	1042.4	1042.1	1041.7	1041.4	1041.0	1041.4	1041.6	1042.0	1042.2	1042.3
155°	1065.7	1065.5	1065.0	1064.4	1063.8	1063.2	1063.9	1064.7	1065.5	1066.3	1066.3
157.5°	1085.6	1085.2	1084.6	1083.9	1083.3	1082.6	1083.7	1084.6	1085.6	1086.6	1086.6
160°	1096.1	1095.8	1095.6	1095.4	1095.2	1095.0	1096.1	1097.3	1098.5	1099.6	1099.6
162.5°	1106.6	1106.1	1105.9	1105.7	1105.5	1105.4	1106.5	1107.6	1108.8	1109.9	1109.8
165°	1119.6	1119.0	1119.0	1119.0	1119.0	1119.0	1120.6	1122.1	1123.7	1125.2	1125.1
167.5°	1130.4	1129.9	1129.7	1129.6	1129.5	1129.4	1131.1	1132.7	1134.5	1136.1	1136.0
170°	1136.0	1135.5	1135.7	1135.9	1136.1	1136.3	1137.8	1139.4	1140.8	1142.4	1142.2
172.5°	1140.1	1139.6	1139.8	1140.1	1140.2	1140.4	1141.9	1143.5	1145.0	1146.5	1146.2
175°	1144.6	1144.1	1144.3	1144.5	1144.7	1144.9	1146.6	1148.3	1150.0	1151.8	1151.4
177.5°	1146.9	1146.6	1146.9	1147.2	1147.5	1147.8	1149.0	1150.2	1151.4	1152.7	1152.4
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332913-935

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

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	10.7	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°	23.5	23.6	23.7	23.8	23.7	23.6	23.5	23.4	22.8	21.7	20.5
95°	24.4	24.5	24.7	24.9	24.7	24.5	24.4	24.2	23.5	22.4	21.2
97.5°	23.5	23.7	23.8	24.1	23.8	23.7	23.5	23.3	23.2	23.1	22.9
100°	23.5	23.7	23.8	24.1	23.8	23.7	23.5	23.3	24.8	28.1	31.3
102.5°	24.6	24.7	24.7	24.8	24.7	24.7	24.6	24.6	42.1	77.1	112.2
105°	265.6	258.7	251.8	245.0	251.8	258.7	265.6	272.5	275.0	273.3	271.6
107.5°	339.2	339.9	340.7	341.4	340.7	339.9	339.2	338.5	337.7	336.9	336.0
110°	381.6	382.2	382.8	383.3	382.8	382.2	381.6	381.1	380.6	380.2	379.8



TEST NUMBER: P332913-935

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	423.1	423.9	424.6	425.2	424.6	423.9	423.1	422.4	422.1	422.1	422.2
115°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.3	485.9	485.5
117.5°	549.0	548.9	548.8	548.7	548.8	548.9	549.0	549.1	549.1	549.1	549.2
120°	589.0	588.7	588.3	587.9	588.3	588.7	589.0	589.4	589.4	589.0	588.7
122.5°	627.6	627.2	626.8	626.4	626.8	627.2	627.6	627.9	628.0	627.8	627.6
125°	683.6	683.8	684.0	684.2	684.0	683.8	683.6	683.4	683.0	682.4	681.9
127.5°	735.4	735.2	735.0	734.9	735.0	735.2	735.4	735.5	735.6	735.7	735.9
130°	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.1	769.0	768.8
132.5°	801.3	801.2	801.1	800.9	801.1	801.2	801.3	801.5	801.5	801.3	801.1
135°	847.2	847.6	847.9	848.3	847.9	847.6	847.2	846.8	846.4	846.0	845.7
137.5°	889.2	889.2	889.0	888.9	889.0	889.2	889.2	889.3	889.2	888.8	888.4
140°	916.5	916.7	916.9	917.1	916.9	916.7	916.5	916.4	915.9	915.4	914.8
142.5°	940.4	940.4	940.5	940.5	940.5	940.4	940.4	940.3	940.1	939.7	939.3
145°	975.3	975.6	976.0	976.4	976.0	975.6	975.3	974.9	974.6	974.4	974.2
147.5°	1005.6	1005.7	1006.0	1006.2	1006.0	1005.7	1005.6	1005.4	1005.2	1005.0	1004.9
150°	1024.8	1025.0	1025.2	1025.4	1025.2	1025.0	1024.8	1024.6	1024.5	1024.5	1024.5
152.5°	1042.2	1042.2	1042.0	1041.9	1042.0	1042.2	1042.2	1042.3	1042.2	1042.0	1041.6
155°	1065.8	1065.2	1064.6	1064.1	1064.6	1065.2	1065.8	1066.3	1066.3	1065.5	1064.7
157.5°	1085.6	1084.6	1083.7	1082.6	1083.7	1084.6	1085.6	1086.6	1086.6	1085.6	1084.6
160°	1098.5	1097.3	1096.1	1095.0	1096.1	1097.3	1098.5	1099.6	1099.6	1098.5	1097.3
162.5°	1108.5	1107.2	1106.0	1104.7	1106.0	1107.2	1108.5	1109.8	1109.9	1108.8	1107.6
165°	1123.3	1121.6	1119.9	1118.2	1119.9	1121.6	1123.3	1125.1	1125.2	1123.7	1122.1
167.5°	1134.1	1132.2	1130.2	1128.3	1130.2	1132.2	1134.1	1136.0	1136.1	1134.5	1132.7
170°	1140.3	1138.4	1136.4	1134.5	1136.4	1138.4	1140.3	1142.2	1142.4	1140.8	1139.4
172.5°	1144.2	1142.1	1140.1	1138.0	1140.1	1142.1	1144.2	1146.2	1146.5	1145.0	1143.5
175°	1149.2	1146.9	1144.6	1142.3	1144.6	1146.9	1149.2	1151.4	1151.8	1150.0	1148.3
177.5°	1150.6	1148.7	1146.9	1145.0	1146.9	1148.7	1150.6	1152.4	1152.7	1151.4	1150.2
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332913-935

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

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°	19.4	18.3	16.7	15.2	13.6	12.1	11.3	11.2	11.0	10.9	10.8
95°	20.1	18.9	18.7	18.5	18.3	18.2	21.3	27.8	34.3	40.8	47.3
97.5°	22.8	22.7	44.0	65.3	86.6	108.0	116.6	112.5	108.5	104.4	100.4
100°	34.6	37.8	64.1	90.6	116.9	143.3	154.7	151.3	147.8	144.4	140.9
102.5°	147.1	182.2	185.6	189.1	192.5	196.0	196.4	193.9	191.4	188.9	186.3
105°	269.9	268.2	267.3	266.2	265.3	264.3	263.3	262.2	261.0	259.8	258.7
107.5°	335.2	334.3	333.0	331.7	330.5	329.2	328.2	327.6	327.1	326.5	325.9
110°	379.4	379.0	377.9	376.8	375.6	374.4	373.6	373.0	372.5	371.9	371.3



TEST NUMBER: P332913-935

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	422.3	422.3	421.8	421.3	420.8	420.3	419.5	418.4	417.4	416.4	415.3
115°	485.2	484.7	484.9	485.2	485.3	485.5	485.3	484.7	484.2	483.6	483.0
117.5°	549.3	549.4	549.0	548.5	548.1	547.7	547.2	546.4	545.6	544.8	544.1
120°	588.3	587.9	588.1	588.3	588.5	588.7	588.4	587.6	586.9	586.1	585.3
122.5°	627.3	627.1	626.8	626.5	626.3	626.0	625.7	625.2	624.7	624.3	623.8
125°	681.3	680.7	681.1	681.5	681.9	682.3	682.1	681.3	680.5	679.8	679.0
127.5°	736.0	736.1	735.2	734.3	733.5	732.5	732.0	731.8	731.7	731.4	731.2
130°	768.6	768.4	767.8	767.2	766.7	766.1	765.7	765.5	765.3	765.2	765.0
132.5°	800.9	800.7	800.0	799.3	798.6	797.8	797.3	796.9	796.6	796.3	795.9
135°	845.2	844.9	844.1	843.3	842.6	841.8	841.5	841.7	842.0	842.1	842.3
137.5°	887.9	887.5	886.7	885.9	885.0	884.2	883.7	883.6	883.6	883.5	883.4
140°	914.2	913.7	913.3	912.9	912.5	912.1	911.7	911.4	911.0	910.6	910.2
142.5°	938.8	938.4	938.1	938.0	937.7	937.5	937.0	936.3	935.6	935.0	934.3
145°	974.0	973.8	973.8	973.8	973.8	973.8	973.5	972.9	972.4	971.8	971.2
147.5°	1004.8	1004.6	1004.8	1005.0	1005.1	1005.4	1005.0	1003.8	1002.8	1001.7	1000.7
150°	1024.5	1024.5	1024.8	1024.9	1025.1	1025.3	1025.0	1024.2	1023.5	1022.7	1021.9
152.5°	1041.4	1041.0	1041.4	1041.7	1042.1	1042.4	1042.2	1041.6	1041.0	1040.4	1039.8
155°	1063.9	1063.2	1063.8	1064.4	1065.0	1065.5	1065.7	1065.5	1065.3	1065.1	1065.0
157.5°	1083.7	1082.6	1083.3	1083.9	1084.6	1085.2	1085.6	1085.7	1085.8	1086.0	1086.1
160°	1096.1	1095.0	1095.2	1095.4	1095.6	1095.8	1096.1	1096.7	1097.3	1097.9	1098.5
162.5°	1106.5	1105.4	1105.5	1105.7	1105.9	1106.1	1106.6	1107.2	1108.0	1108.7	1109.5
165°	1120.6	1119.0	1119.0	1119.0	1119.0	1119.0	1119.6	1120.5	1121.5	1122.4	1123.3
167.5°	1131.1	1129.4	1129.5	1129.6	1129.7	1129.9	1130.4	1131.4	1132.4	1133.4	1134.4
170°	1137.8	1136.3	1136.1	1135.9	1135.7	1135.5	1136.0	1137.1	1138.2	1139.4	1140.6
172.5°	1141.9	1140.4	1140.2	1140.1	1139.8	1139.6	1140.1	1141.3	1142.4	1143.6	1144.7
175°	1146.6	1144.9	1144.7	1144.5	1144.3	1144.1	1144.6	1145.7	1146.9	1148.1	1149.2
177.5°	1149.0	1147.8	1147.5	1147.2	1146.9	1146.6	1146.9	1148.1	1149.1	1150.1	1151.2
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332913-935

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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°	10.9	11.0	11.2	11.3	12.1	13.6	15.2	16.7	18.3	19.4	20.5
95°	40.8	34.3	27.8	21.3	18.2	18.3	18.5	18.7	18.9	20.1	21.2
97.5°	104.4	108.5	112.5	116.6	108.0	86.6	65.3	44.0	22.7	22.8	22.9
100°	144.4	147.8	151.3	154.7	143.3	116.9	90.6	64.1	37.8	34.6	31.3
102.5°	188.9	191.4	193.9	196.4	196.0	192.5	189.1	185.6	182.2	147.1	112.2
105°	259.8	261.0	262.2	263.3	264.3	265.3	266.2	267.3	268.2	269.9	271.6
107.5°	326.5	327.1	327.6	328.2	329.2	330.5	331.7	333.0	334.3	335.2	336.0
110°	371.9	372.5	373.0	373.6	374.4	375.6	376.8	377.9	379.0	379.4	379.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	416.4	417.4	418.4	419.5	420.3	420.8	421.3	421.8	422.3	422.3	422.2
115°	483.6	484.2	484.7	485.3	485.5	485.3	485.2	484.9	484.7	485.2	485.5
117.5°	544.8	545.6	546.4	547.2	547.7	548.1	548.5	549.0	549.4	549.3	549.2
120°	586.1	586.9	587.6	588.4	588.7	588.5	588.3	588.1	587.9	588.3	588.7
122.5°	624.3	624.7	625.2	625.7	626.0	626.3	626.5	626.8	627.1	627.3	627.6
125°	679.8	680.5	681.3	682.1	682.3	681.9	681.5	681.1	680.7	681.3	681.9
127.5°	731.4	731.7	731.8	732.0	732.5	733.5	734.3	735.2	736.1	736.0	735.9
130°	765.2	765.3	765.5	765.7	766.1	766.7	767.2	767.8	768.4	768.6	768.8
132.5°	796.3	796.6	796.9	797.3	797.8	798.6	799.3	800.0	800.7	800.9	801.1
135°	842.1	842.0	841.7	841.5	841.8	842.6	843.3	844.1	844.9	845.2	845.7
137.5°	883.5	883.6	883.6	883.7	884.2	885.0	885.9	886.7	887.5	887.9	888.4
140°	910.6	911.0	911.4	911.7	912.1	912.5	912.9	913.3	913.7	914.2	914.8
142.5°	935.0	935.6	936.3	937.0	937.5	937.7	938.0	938.1	938.4	938.8	939.3
145°	971.8	972.4	972.9	973.5	973.8	973.8	973.8	973.8	973.8	974.0	974.2
147.5°	1001.7	1002.8	1003.8	1005.0	1005.4	1005.1	1005.0	1004.8	1004.6	1004.8	1004.9
150°	1022.7	1023.5	1024.2	1025.0	1025.3	1025.1	1024.9	1024.8	1024.5	1024.5	1024.5
152.5°	1040.4	1041.0	1041.6	1042.2	1042.4	1042.1	1041.7	1041.4	1041.0	1041.4	1041.6
155°	1065.1	1065.3	1065.5	1065.7	1065.5	1065.0	1064.4	1063.8	1063.2	1063.9	1064.7
157.5°	1086.0	1085.8	1085.7	1085.6	1085.2	1084.6	1083.9	1083.3	1082.6	1083.7	1084.6
160°	1097.9	1097.3	1096.7	1096.1	1095.8	1095.6	1095.4	1095.2	1095.0	1096.1	1097.3
162.5°	1108.7	1108.0	1107.2	1106.6	1106.1	1105.9	1105.7	1105.5	1105.4	1106.5	1107.6
165°	1122.4	1121.5	1120.5	1119.6	1119.0	1119.0	1119.0	1119.0	1119.0	1120.6	1122.1
167.5°	1133.4	1132.4	1131.4	1130.4	1129.9	1129.7	1129.6	1129.5	1129.4	1131.1	1132.7
170°	1139.4	1138.2	1137.1	1136.0	1135.5	1135.7	1135.9	1136.1	1136.3	1137.8	1139.4
172.5°	1143.6	1142.4	1141.3	1140.1	1139.6	1139.8	1140.1	1140.2	1140.4	1141.9	1143.5
175°	1148.1	1146.9	1145.7	1144.6	1144.1	1144.3	1144.5	1144.7	1144.9	1146.6	1148.3
177.5°	1150.1	1149.1	1148.1	1146.9	1146.6	1146.9	1147.2	1147.5	1147.8	1149.0	1150.2
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



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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°	10.7	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°	21.7	22.8	23.4	23.5	23.6	23.7	23.8
95°	22.4	23.5	24.2	24.4	24.5	24.7	24.9
97.5°	23.1	23.2	23.3	23.5	23.7	23.8	24.1
100°	28.1	24.8	23.3	23.5	23.7	23.8	24.1
102.5°	77.1	42.1	24.6	24.6	24.7	24.7	24.8
105°	273.3	275.0	272.5	265.6	258.7	251.8	245.0
107.5°	336.9	337.7	338.5	339.2	339.9	340.7	341.4
110°	380.2	380.6	381.1	381.6	382.2	382.8	383.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	422.1	422.1	422.4	423.1	423.9	424.6	425.2
115°	485.9	486.3	486.5	486.5	486.5	486.5	486.5
117.5°	549.1	549.1	549.1	549.0	548.9	548.8	548.7
120°	589.0	589.4	589.4	589.0	588.7	588.3	587.9
122.5°	627.8	628.0	627.9	627.6	627.2	626.8	626.4
125°	682.4	683.0	683.4	683.6	683.8	684.0	684.2
127.5°	735.7	735.6	735.5	735.4	735.2	735.0	734.9
130°	769.0	769.1	769.3	769.3	769.3	769.3	769.3
132.5°	801.3	801.5	801.5	801.3	801.2	801.1	800.9
135°	846.0	846.4	846.8	847.2	847.6	847.9	848.3
137.5°	888.8	889.2	889.3	889.2	889.2	889.0	888.9
140°	915.4	915.9	916.4	916.5	916.7	916.9	917.1
142.5°	939.7	940.1	940.3	940.4	940.4	940.5	940.5
145°	974.4	974.6	974.9	975.3	975.6	976.0	976.4
147.5°	1005.0	1005.2	1005.4	1005.6	1005.7	1006.0	1006.2
150°	1024.5	1024.5	1024.6	1024.8	1025.0	1025.2	1025.4
152.5°	1042.0	1042.2	1042.3	1042.2	1042.2	1042.0	1041.9
155°	1065.5	1066.3	1066.3	1065.8	1065.2	1064.6	1064.1
157.5°	1085.6	1086.6	1086.6	1085.6	1084.6	1083.7	1082.6
160°	1098.5	1099.6	1099.6	1098.5	1097.3	1096.1	1095.0
162.5°	1108.8	1109.9	1109.8	1108.5	1107.2	1106.0	1104.7
165°	1123.7	1125.2	1125.1	1123.3	1121.6	1119.9	1118.2
167.5°	1134.5	1136.1	1136.0	1134.1	1132.2	1130.2	1128.3
170°	1140.8	1142.4	1142.2	1140.3	1138.4	1136.4	1134.5
172.5°	1145.0	1146.5	1146.2	1144.2	1142.1	1140.1	1138.0
175°	1150.0	1151.8	1151.4	1149.2	1146.9	1144.6	1142.3
177.5°	1151.4	1152.7	1152.4	1150.6	1148.7	1146.9	1145.0
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2

(END OF REPORT)