

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: P332920-927

Luminaire Tested: **SA4XXRDIP-C575D1205U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332920-927
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-C575D1205U927-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5239.0 lumens
Efficiency: N/A
Efficacy: 106.1 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

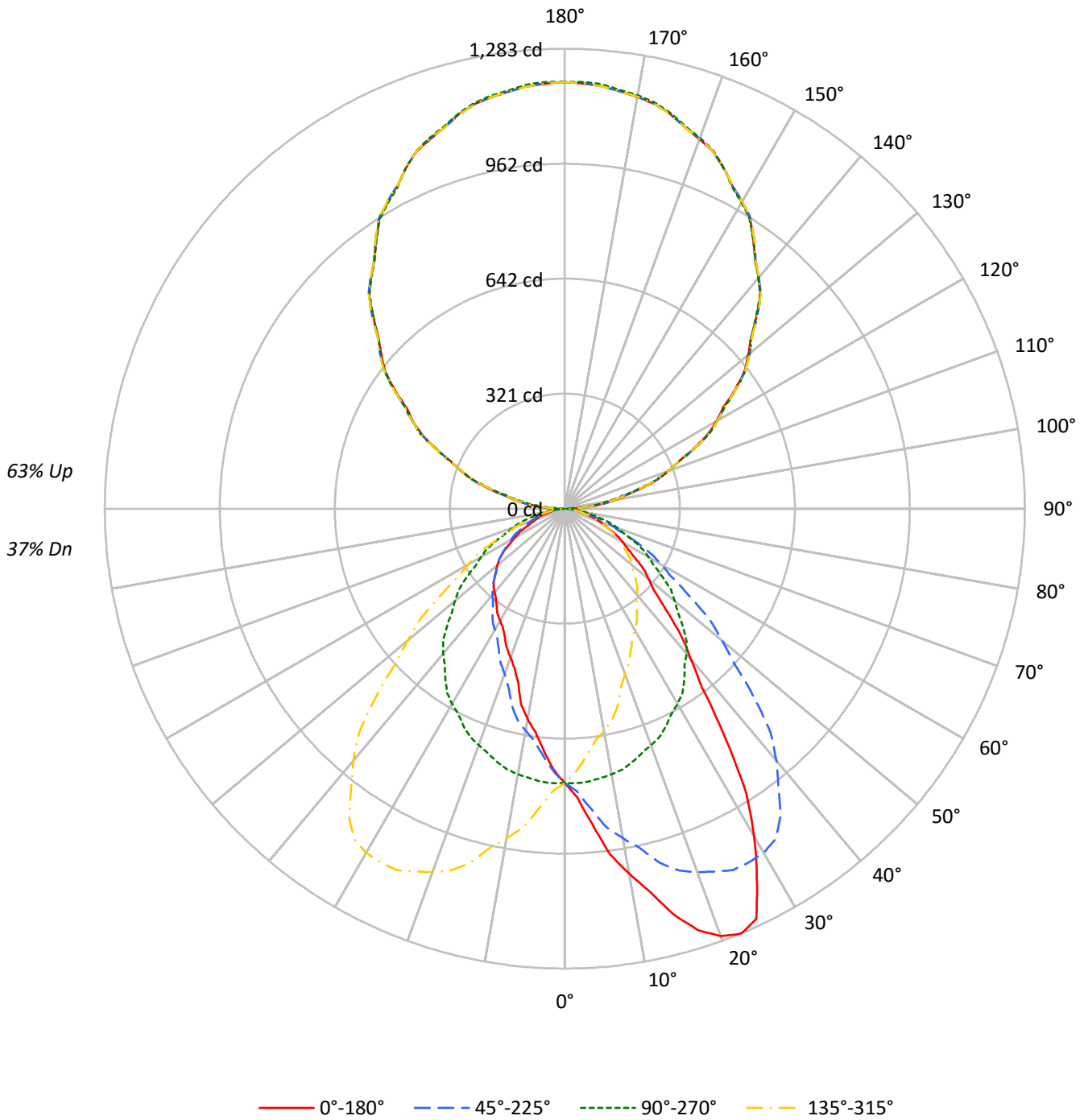
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23
4	73	62	55	49	66	57	51	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	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	25	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	11
10	46	34	27	23	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6176	6176	6176	6176
5°	7164	6195	5476	6195
10°	8475	6167	4887	6167
15°	9789	6110	4199	6110
20°	10899	6032	3797	6032
25°	11251	5955	3526	5955
30°	9849	5862	3361	5862
35°	7666	5723	3263	5723
40°	5750	5564	3209	5564
45°	4539	5310	3181	5310
50°	3832	5016	3090	5016
55°	3340	4694	2923	4694
60°	3006	4359	2588	4359
65°	2649	3998	2225	3998
70°	2386	3623	2009	3623
75°	1999	3213	1712	3213
80°	1692	2738	1604	2738
85°	1426	2140	1426	2140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.4
10°-20°	223.6	4.3
20°-30°	349.7	6.7
30°-40°	388.8	7.4
40°-50°	344.9	6.6
50°-60°	268.8	5.1
60°-70°	176.0	3.4
70°-80°	86.5	1.7
80°-90°	24.9	0.5
90°-100°	78.5	1.5
100°-110°	232.5	4.4
110°-120°	394.6	7.5
120°-130°	520.4	9.9
130°-140°	584.4	11.2
140°-150°	574.3	11.0
150°-160°	483.0	9.2
160°-170°	321.4	6.1
170°-180°	112.5	2.1
0°-30°	647.4	12.4
0°-40°	1036.2	19.8
0°-60°	1649.9	31.5
0°-90°	1937.3	37.0
90°-120°	705.6	13.5
90°-150°	2384.7	45.5
90°-180°	3302.0	63.0
0°-180°	5239.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	765	765	765	765	765	
5°	884	764	676	764	884	89
15°	1171	731	502	731	1171	333
25°	1263	668	396	668	1263	560
35°	778	581	331	581	778	488
45°	398	465	279	465	398	315
55°	237	334	208	334	237	216
65°	139	209	116	209	139	140
75°	64	103	55	103	64	71
85°	15	23	15	23	15	18
90°	28	3	28	3	28	15
95°	73	55	73	55	73	76
105°	225	214	225	214	225	237
115°	398	401	398	401	398	393
125°	580	584	580	584	580	517
135°	755	754	755	754	755	583
145°	917	916	917	916	917	574
155°	1048	1049	1048	1049	1048	483
165°	1139	1142	1139	1142	1139	321
175°	1183	1188	1183	1188	1183	112
180°	1190	1190	1190	1190	1190	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	806.9	809.1	806.9	806.7	804.2	803.5	802.5	799.3	793.4	789.9	790.7
5°	884.0	891.7	887.4	886.8	880.0	873.2	868.9	859.0	848.5	841.5	835.6
7.5°	973.1	977.6	974.9	970.5	959.6	953.3	943.3	930.3	911.6	897.1	884.1
10°	1033.8	1037.4	1036.3	1028.3	1020.3	1003.9	994.7	976.4	952.7	933.9	916.3
12.5°	1093.4	1097.4	1086.6	1087.0	1071.7	1058.8	1044.2	1021.4	993.9	969.6	947.7
15°	1171.2	1166.3	1166.3	1160.2	1143.2	1125.3	1110.2	1086.2	1051.6	1022.7	992.2
17.5°	1232.2	1233.9	1231.4	1216.8	1203.5	1185.0	1157.3	1129.3	1097.2	1058.3	1027.1
20°	1268.7	1268.7	1265.9	1256.0	1238.7	1219.0	1189.1	1158.6	1117.9	1078.8	1043.6
22.5°	1283.4	1284.4	1281.2	1273.0	1257.5	1238.3	1212.8	1181.8	1139.9	1095.8	1052.3
25°	1263.1	1268.9	1269.6	1267.4	1262.8	1251.1	1229.2	1197.5	1159.8	1112.1	1065.2
27.5°	1159.7	1167.0	1173.5	1184.2	1198.3	1205.8	1206.7	1190.6	1157.8	1111.8	1064.7
30°	1056.6	1062.7	1082.8	1109.0	1129.3	1147.8	1163.9	1168.2	1149.7	1108.3	1058.8
32.5°	942.1	950.5	970.6	998.8	1032.7	1064.0	1100.0	1118.3	1117.8	1093.1	1047.2
35°	777.9	784.1	802.6	832.2	872.9	919.4	976.4	1020.8	1051.1	1048.8	1020.8
37.5°	627.4	634.4	653.1	677.6	717.1	774.7	829.9	891.0	946.9	978.3	968.8
40°	545.6	545.9	564.0	589.3	626.3	676.5	736.7	804.5	866.7	917.6	927.4
42.5°	480.9	481.0	493.1	520.3	546.9	594.2	651.6	718.9	791.8	850.5	876.6
45°	397.6	400.4	410.3	426.6	447.5	487.6	533.5	596.1	677.8	747.4	790.9
47.5°	336.7	340.8	347.1	360.4	377.1	403.8	441.7	498.0	564.4	641.0	702.9
50°	305.1	305.8	313.8	321.2	335.6	357.0	390.2	437.0	498.1	571.7	640.5
52.5°	278.1	277.9	282.7	292.1	303.9	320.4	347.3	390.0	444.1	510.1	581.1
55°	237.3	238.8	242.6	249.9	258.9	270.6	291.9	323.9	366.5	422.9	487.3
57.5°	206.4	207.2	210.1	213.3	221.4	230.0	245.9	268.2	304.0	350.2	410.3
60°	186.2	186.5	187.4	192.0	198.5	206.5	217.3	236.1	266.3	308.6	356.0
62.5°	166.4	167.0	168.4	171.8	176.8	182.4	193.6	208.7	233.8	269.8	312.6
65°	138.7	139.0	141.2	142.4	146.4	151.3	159.6	169.8	187.1	217.3	249.7
67.5°	115.9	115.9	116.0	117.7	120.5	123.7	128.7	136.9	149.9	168.4	196.9
70°	101.1	101.1	101.7	102.7	104.2	106.9	109.7	115.9	125.5	140.5	162.4
72.5°	87.3	87.5	88.2	88.3	89.1	91.4	93.5	97.4	104.5	115.9	133.6
75°	64.1	65.0	66.5	67.8	69.3	69.1	71.2	73.7	75.8	82.6	92.8
77.5°	47.7	47.2	47.4	48.5	48.6	49.0	50.5	52.4	54.0	57.2	60.8
80°	36.4	36.4	37.3	37.6	37.3	37.6	39.1	40.1	40.7	41.9	45.3
82.5°	27.5	28.0	27.6	28.0	28.2	28.5	29.8	29.9	30.6	31.1	32.5
85°	15.4	15.7	16.0	15.4	15.4	15.4	16.0	16.3	17.0	16.6	17.3
87.5°	10.9	10.6	10.8	10.7	10.9	10.5	10.5	10.7	10.0	10.0	9.7
90°	27.6	27.2	26.8	26.4	26.0	25.2	23.9	22.7	21.5	20.3	18.6
92.5°	40.9	40.6	40.4	40.2	39.8	39.4	38.7	37.9	37.2	36.4	35.3
95°	72.7	72.7	72.7	72.7	72.7	72.4	71.8	71.1	70.6	69.9	68.5
97.5°	113.9	113.9	113.9	113.9	113.9	113.6	112.8	112.1	111.4	110.6	108.9
100°	142.7	142.7	142.7	142.7	142.7	142.4	142.0	141.6	141.2	140.9	138.9
102.5°	175.1	174.9	174.8	174.6	174.4	174.0	173.5	172.9	172.3	171.7	170.1
105°	224.6	223.9	223.3	222.8	222.1	221.5	220.9	220.3	219.7	219.0	218.2
107.5°	272.8	272.8	272.9	272.9	273.0	272.7	272.1	271.6	271.0	270.4	270.3
110°	307.4	306.8	306.2	305.5	304.9	304.8	305.2	305.6	306.1	306.5	306.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	342.8	342.6	342.5	342.4	342.2	342.2	342.3	342.4	342.5	342.5	342.9
115°	397.6	397.8	398.0	398.2	398.4	398.6	398.8	399.0	399.3	399.4	399.8
117.5°	449.9	450.3	450.7	451.1	451.5	452.0	452.7	453.4	454.2	454.9	455.1
120°	489.6	489.3	488.8	488.4	488.0	488.3	489.3	490.4	491.4	492.4	493.0
122.5°	522.8	523.5	524.3	525.0	525.7	526.4	527.1	527.8	528.5	529.2	529.5
125°	579.8	580.2	580.7	581.1	581.5	581.9	582.3	582.7	583.1	583.5	583.7
127.5°	632.6	633.0	633.3	633.7	634.0	634.3	634.8	635.2	635.6	636.0	636.3
130°	667.3	668.0	668.9	669.7	670.5	671.1	671.5	671.9	672.4	672.8	672.8
132.5°	704.1	704.4	704.7	705.0	705.4	705.8	706.2	706.5	706.9	707.4	707.6
135°	754.7	755.3	755.9	756.5	757.2	757.6	758.0	758.5	758.9	759.3	759.3
137.5°	807.9	807.8	807.6	807.6	807.4	807.6	808.1	808.7	809.2	809.7	809.4
140°	840.3	840.5	840.7	840.9	841.1	841.3	841.5	841.7	841.9	842.1	842.1
142.5°	872.7	872.7	872.7	872.8	872.8	872.9	872.9	873.0	873.0	873.1	873.2
145°	916.7	917.3	917.9	918.5	919.1	919.6	919.7	920.0	920.1	920.4	920.1
147.5°	961.2	961.4	961.6	961.9	962.0	962.2	962.4	962.6	962.7	962.9	963.1
150°	988.5	988.6	988.9	989.0	989.3	989.4	989.4	989.4	989.4	989.4	989.4
152.5°	1013.5	1014.0	1014.5	1015.1	1015.7	1015.7	1015.2	1014.6	1014.2	1013.7	1013.5
155°	1048.3	1049.1	1050.0	1050.8	1051.5	1051.5	1050.8	1050.0	1049.1	1048.3	1048.5
157.5°	1079.4	1080.1	1080.8	1081.5	1082.2	1082.2	1081.6	1081.0	1080.4	1079.7	1079.8
160°	1097.1	1098.1	1099.1	1100.1	1101.1	1101.4	1100.7	1100.1	1099.5	1098.9	1099.1
162.5°	1115.5	1116.5	1117.5	1118.6	1119.6	1119.5	1118.4	1117.3	1116.2	1115.1	1115.3
165°	1139.4	1140.2	1141.1	1141.9	1142.6	1142.5	1141.2	1140.0	1138.8	1137.6	1138.0
167.5°	1156.5	1157.8	1159.0	1160.3	1161.6	1161.6	1160.4	1159.1	1157.9	1156.7	1156.7
170°	1166.1	1167.5	1168.9	1170.4	1171.8	1172.0	1170.7	1169.5	1168.2	1167.0	1166.8
172.5°	1174.2	1175.6	1177.0	1178.5	1180.0	1180.0	1178.5	1177.2	1175.8	1174.4	1174.3
175°	1182.6	1184.1	1185.5	1186.9	1188.4	1188.4	1186.9	1185.5	1184.1	1182.6	1182.9
177.5°	1187.1	1188.4	1189.7	1191.0	1192.3	1192.4	1191.3	1190.1	1189.0	1187.8	1187.8
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	788.2	784.7	783.0	779.0	774.4	771.9	769.7	766.5	762.3	757.9	754.6
5°	828.2	820.8	811.5	800.4	790.6	781.0	772.7	764.4	754.9	745.0	735.1
7.5°	869.3	854.7	839.0	820.8	803.1	787.0	772.2	758.0	742.0	727.6	714.5
10°	897.9	878.1	856.3	833.1	810.0	790.0	770.2	752.3	732.6	715.1	700.3
12.5°	921.1	897.9	871.6	842.7	814.9	790.7	768.0	744.7	722.3	703.2	683.5
15°	959.5	927.7	892.3	857.8	821.7	788.8	758.2	731.1	705.5	678.7	659.9
17.5°	986.0	948.2	905.2	863.7	821.1	782.2	747.0	714.7	685.2	657.8	635.4
20°	1001.7	960.1	912.4	865.1	817.4	775.8	737.9	702.1	671.6	642.1	618.9
22.5°	1010.6	964.6	912.4	862.9	813.5	768.4	726.8	689.6	656.3	626.8	601.2
25°	1013.4	964.1	910.8	854.1	799.9	752.1	708.9	668.5	631.5	602.0	574.8
27.5°	1009.5	951.4	896.8	838.6	782.7	732.3	687.0	644.5	607.5	575.8	548.0
30°	1003.5	941.4	882.7	822.4	765.6	717.2	669.5	628.8	590.3	557.3	529.3
32.5°	990.8	929.0	866.0	804.1	746.6	696.8	651.5	610.5	572.7	539.0	509.2
35°	965.4	902.8	834.3	770.9	714.5	662.7	620.1	580.7	544.6	508.6	477.1
37.5°	931.8	868.0	799.9	730.4	673.9	625.0	586.0	549.0	513.7	480.9	446.0
40°	900.3	842.1	771.8	702.7	644.8	597.6	561.6	528.0	492.6	459.9	425.0
42.5°	862.1	812.5	741.5	672.2	615.0	569.5	535.9	503.1	470.9	439.2	402.8
45°	798.3	760.7	694.1	627.6	569.9	524.9	494.1	465.1	436.7	406.5	372.3
47.5°	725.2	699.7	642.3	574.1	520.8	480.3	450.5	426.8	402.8	372.6	342.6
50°	674.4	658.1	602.6	540.3	489.5	452.2	421.7	399.4	379.5	350.5	323.6
52.5°	620.1	611.5	564.6	505.0	455.9	419.4	393.3	373.4	353.1	329.0	303.9
55°	537.6	542.2	502.4	450.9	404.7	373.9	350.1	333.5	316.2	295.9	276.5
57.5°	453.0	470.0	443.3	398.1	354.7	326.3	308.4	294.4	280.0	263.0	246.4
60°	402.5	416.7	401.6	361.9	323.9	297.5	280.8	270.0	255.5	240.1	227.4
62.5°	353.2	368.4	359.4	327.3	292.2	269.3	254.7	244.6	233.9	220.4	207.2
65°	291.3	301.1	296.8	274.6	249.7	230.2	216.7	209.3	199.4	189.6	177.8
67.5°	223.1	242.2	239.6	227.8	206.3	191.1	182.2	175.7	166.7	159.4	151.4
70°	183.4	201.0	200.7	191.1	179.4	165.2	159.1	153.5	145.4	138.4	131.9
72.5°	150.1	166.2	168.6	161.3	153.3	142.5	136.6	132.8	125.0	120.2	114.9
75°	105.1	116.8	119.9	119.9	116.2	110.7	105.4	103.0	97.4	93.1	90.0
77.5°	68.9	76.3	81.1	82.2	82.8	81.0	76.6	74.9	70.7	69.1	66.1
80°	48.7	53.6	59.2	61.0	62.6	61.9	60.1	58.9	54.9	53.3	52.1
82.5°	33.7	36.4	41.0	45.0	44.6	46.2	44.6	43.6	40.6	40.0	38.7
85°	17.6	17.9	18.5	21.2	22.8	23.4	23.8	23.1	22.2	22.2	20.0
87.5°	9.3	8.7	8.9	8.6	8.3	8.9	9.1	9.0	8.6	8.3	8.1
90°	17.0	15.4	13.7	11.7	9.5	7.3	5.0	2.8	5.0	7.3	9.5
92.5°	34.1	33.0	31.8	30.0	27.4	24.9	22.3	19.7	22.3	24.9	27.4
95°	67.1	65.7	64.2	62.6	60.8	58.9	57.0	55.2	57.0	58.9	60.8
97.5°	107.3	105.6	103.9	102.3	100.8	99.4	97.9	96.5	97.9	99.4	100.8
100°	137.1	135.3	133.5	132.1	131.3	130.5	129.7	128.9	129.7	130.5	131.3
102.5°	168.4	166.7	165.0	164.1	163.7	163.3	163.0	162.7	163.0	163.3	163.7
105°	217.4	216.6	215.8	215.2	215.1	214.8	214.7	214.4	214.7	214.8	215.1
107.5°	270.1	270.1	269.9	269.7	269.5	269.3	269.0	268.7	269.0	269.3	269.5
110°	306.9	307.1	307.3	307.2	306.8	306.3	305.9	305.5	305.9	306.3	306.8



TEST NUMBER: P332920-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	343.3	343.6	344.0	344.2	344.1	344.0	344.0	343.8	344.0	344.0	344.1
115°	400.3	400.7	401.1	401.2	401.2	401.2	401.2	401.2	401.2	401.2	401.2
117.5°	455.4	455.7	456.0	456.1	455.9	455.7	455.6	455.4	455.6	455.7	455.9
120°	493.6	494.2	494.9	494.7	493.9	493.1	492.3	491.5	492.3	493.1	493.9
122.5°	529.8	530.0	530.4	530.4	530.0	529.7	529.3	529.0	529.3	529.7	530.0
125°	583.9	584.2	584.3	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4
127.5°	636.6	636.9	637.3	637.2	636.5	635.9	635.3	634.7	635.3	635.9	636.5
130°	672.8	672.8	672.8	672.5	671.8	671.2	670.7	670.0	670.7	671.2	671.8
132.5°	707.7	707.9	708.1	707.9	707.4	707.0	706.5	706.1	706.5	707.0	707.4
135°	759.3	759.3	759.3	758.7	757.5	756.2	755.0	753.8	755.0	756.2	757.5
137.5°	809.1	808.7	808.4	807.9	807.4	806.8	806.3	805.6	806.3	806.8	807.4
140°	842.1	842.1	842.1	841.9	841.5	841.1	840.7	840.3	840.7	841.1	841.5
142.5°	873.4	873.5	873.7	873.6	873.1	872.7	872.4	872.0	872.4	872.7	873.1
145°	920.0	919.7	919.6	919.0	918.2	917.4	916.6	915.8	916.6	917.4	918.2
147.5°	963.2	963.4	963.5	963.1	962.1	961.2	960.2	959.2	960.2	961.2	962.1
150°	989.4	989.4	989.4	989.0	988.2	987.4	986.5	985.7	986.5	987.4	988.2
152.5°	1013.4	1013.2	1013.0	1012.7	1012.2	1011.7	1011.2	1010.7	1011.2	1011.7	1012.2
155°	1048.7	1048.9	1049.1	1049.2	1049.2	1049.2	1049.2	1049.2	1049.2	1049.2	1049.2
157.5°	1079.8	1079.9	1079.9	1080.1	1080.5	1080.9	1081.2	1081.6	1081.2	1080.9	1080.5
160°	1099.3	1099.5	1099.7	1099.9	1100.1	1100.3	1100.6	1100.7	1100.6	1100.3	1100.1
162.5°	1115.6	1115.7	1115.9	1116.3	1116.8	1117.4	1117.8	1118.4	1117.8	1117.4	1116.8
165°	1138.4	1138.8	1139.2	1139.7	1140.3	1140.9	1141.5	1142.2	1141.5	1140.9	1140.3
167.5°	1156.6	1156.6	1156.5	1157.0	1157.8	1158.6	1159.5	1160.4	1159.5	1158.6	1157.8
170°	1166.6	1166.4	1166.2	1166.6	1167.6	1168.6	1169.7	1170.7	1169.7	1168.6	1167.6
172.5°	1174.3	1174.3	1174.2	1174.6	1175.4	1176.3	1177.2	1178.1	1177.2	1176.3	1175.4
175°	1183.0	1183.3	1183.4	1184.1	1185.1	1186.1	1187.2	1188.2	1187.2	1186.1	1185.1
177.5°	1187.8	1187.8	1187.8	1188.2	1189.1	1189.9	1190.6	1191.5	1190.6	1189.9	1189.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	751.2	748.8	745.5	741.8	737.4	733.5	731.7	733.2	734.0	732.0	731.7
5°	728.3	720.6	714.5	705.2	697.8	691.7	687.3	685.5	686.1	681.2	679.9
7.5°	702.6	693.5	683.4	672.4	662.2	653.2	648.4	645.8	640.6	638.3	634.5
10°	686.1	673.8	663.9	650.9	639.3	628.4	623.2	618.9	613.7	611.2	605.9
12.5°	669.1	654.8	644.0	630.5	618.5	605.5	600.6	592.6	584.3	579.2	572.4
15°	645.1	627.9	614.6	598.6	584.4	569.6	556.3	541.5	536.0	524.3	517.5
17.5°	617.0	599.5	583.1	561.7	539.8	521.4	507.2	493.1	484.6	477.1	473.6
20°	598.6	582.6	559.8	534.8	510.4	490.0	478.6	469.4	460.2	455.0	451.2
22.5°	581.1	560.6	534.1	507.2	482.8	466.9	457.2	447.7	440.2	435.2	430.3
25°	551.8	524.9	496.9	466.0	449.4	435.5	425.0	417.3	412.7	406.2	403.8
27.5°	521.6	489.1	458.1	437.4	420.1	407.4	398.3	392.5	386.7	382.5	379.3
30°	498.4	465.4	437.7	418.0	400.4	389.9	382.5	375.7	371.1	367.7	365.3
32.5°	475.5	442.5	419.1	398.0	384.1	373.9	366.0	360.9	357.3	352.9	351.4
35°	442.3	413.0	392.7	373.6	359.4	350.1	344.0	338.7	335.6	334.5	333.5
37.5°	410.4	386.4	364.6	348.9	336.3	329.0	321.7	319.2	317.0	314.8	315.8
40°	390.2	367.7	348.3	331.7	321.5	313.5	309.1	306.1	304.2	304.2	304.2
42.5°	372.7	350.7	331.8	316.9	306.7	299.9	295.1	292.5	291.9	291.6	293.1
45°	345.5	325.2	306.1	293.7	285.1	278.3	275.5	273.4	273.4	274.6	275.0
47.5°	318.6	299.5	284.2	270.4	262.4	258.3	255.8	254.7	254.8	256.0	257.5
50°	302.1	283.3	268.2	255.8	248.4	244.4	242.2	241.6	242.2	242.2	244.4
52.5°	284.1	267.2	252.4	242.0	233.6	229.9	228.7	227.8	228.2	229.2	230.1
55°	257.7	242.6	228.4	218.6	212.4	209.9	207.2	207.5	206.8	207.5	207.5
57.5°	231.2	217.7	204.5	196.6	191.2	187.7	184.7	185.4	184.6	184.4	183.9
60°	214.2	199.4	188.9	181.9	175.7	172.6	169.8	170.5	169.5	168.9	167.7
62.5°	195.7	183.4	173.4	166.6	161.6	158.0	155.3	154.6	152.5	150.4	147.7
65°	168.9	158.8	149.8	143.3	138.7	135.9	133.8	131.9	127.3	122.4	119.9
67.5°	142.8	135.5	127.1	121.7	118.0	114.3	110.2	107.0	102.7	100.0	98.5
70°	126.0	119.0	111.9	106.6	102.7	99.3	94.6	92.4	89.4	88.2	86.6
72.5°	110.0	103.5	96.8	92.1	87.9	85.2	81.6	79.4	78.0	77.6	76.0
75°	85.7	80.5	75.5	71.2	67.8	66.0	64.4	62.9	62.3	59.5	57.9
77.5°	62.5	59.0	56.0	52.9	50.5	49.3	46.3	44.5	43.5	42.1	41.8
80°	48.7	46.3	43.2	41.3	37.9	36.7	35.4	35.2	34.9	34.5	34.2
82.5°	36.6	34.1	31.1	29.9	29.1	28.3	27.6	27.3	26.9	27.1	27.1
85°	18.5	17.3	17.3	17.0	16.6	16.3	16.0	16.0	15.7	16.0	15.7
87.5°	8.6	8.6	9.0	8.8	9.4	9.7	9.7	10.0	10.5	10.2	10.4
90°	11.7	13.7	15.4	17.0	18.6	20.3	21.5	22.7	23.9	25.2	26.0
92.5°	30.0	31.8	33.0	34.1	35.3	36.4	37.2	37.9	38.7	39.4	39.8
95°	62.6	64.2	65.7	67.1	68.5	69.9	70.6	71.1	71.8	72.4	72.7
97.5°	102.3	103.9	105.6	107.3	108.9	110.6	111.4	112.1	112.8	113.6	113.9
100°	132.1	133.5	135.3	137.1	138.9	140.9	141.2	141.6	142.0	142.4	142.7
102.5°	164.1	165.0	166.7	168.4	170.1	171.7	172.3	172.9	173.5	174.0	174.4
105°	215.2	215.8	216.6	217.4	218.2	219.0	219.7	220.3	220.9	221.5	222.1
107.5°	269.7	269.9	270.1	270.1	270.3	270.4	271.0	271.6	272.1	272.7	273.0
110°	307.2	307.3	307.1	306.9	306.7	306.5	306.1	305.6	305.2	304.8	304.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	344.2	344.0	343.6	343.3	342.9	342.5	342.5	342.4	342.3	342.2	342.2
115°	401.2	401.1	400.7	400.3	399.8	399.4	399.3	399.0	398.8	398.6	398.4
117.5°	456.1	456.0	455.7	455.4	455.1	454.9	454.2	453.4	452.7	452.0	451.5
120°	494.7	494.9	494.2	493.6	493.0	492.4	491.4	490.4	489.3	488.3	488.0
122.5°	530.4	530.4	530.0	529.8	529.5	529.2	528.5	527.8	527.1	526.4	525.7
125°	584.4	584.3	584.2	583.9	583.7	583.5	583.1	582.7	582.3	581.9	581.5
127.5°	637.2	637.3	636.9	636.6	636.3	636.0	635.6	635.2	634.8	634.3	634.0
130°	672.5	672.8	672.8	672.8	672.8	672.8	672.4	671.9	671.5	671.1	670.5
132.5°	707.9	708.1	707.9	707.7	707.6	707.4	706.9	706.5	706.2	705.8	705.4
135°	758.7	759.3	759.3	759.3	759.3	759.3	758.9	758.5	758.0	757.6	757.2
137.5°	807.9	808.4	808.7	809.1	809.4	809.7	809.2	808.7	808.1	807.6	807.4
140°	841.9	842.1	842.1	842.1	842.1	842.1	841.9	841.7	841.5	841.3	841.1
142.5°	873.6	873.7	873.5	873.4	873.2	873.1	873.0	873.0	872.9	872.9	872.8
145°	919.0	919.6	919.7	920.0	920.1	920.4	920.1	920.0	919.7	919.6	919.1
147.5°	963.1	963.5	963.4	963.2	963.1	962.9	962.7	962.6	962.4	962.2	962.0
150°	989.0	989.4	989.4	989.4	989.4	989.4	989.4	989.4	989.4	989.4	989.3
152.5°	1012.7	1013.0	1013.2	1013.4	1013.5	1013.7	1014.2	1014.6	1015.2	1015.7	1015.7
155°	1049.2	1049.1	1048.9	1048.7	1048.5	1048.3	1049.1	1050.0	1050.8	1051.5	1051.5
157.5°	1080.1	1079.9	1079.9	1079.8	1079.8	1079.7	1080.4	1081.0	1081.6	1082.2	1082.2
160°	1099.9	1099.7	1099.5	1099.3	1099.1	1098.9	1099.5	1100.1	1100.7	1101.4	1101.1
162.5°	1116.3	1115.9	1115.7	1115.6	1115.3	1115.1	1116.2	1117.3	1118.4	1119.5	1119.6
165°	1139.7	1139.2	1138.8	1138.4	1138.0	1137.6	1138.8	1140.0	1141.2	1142.5	1142.6
167.5°	1157.0	1156.5	1156.6	1156.6	1156.7	1156.7	1157.9	1159.1	1160.4	1161.6	1161.6
170°	1166.6	1166.2	1166.4	1166.6	1166.8	1167.0	1168.2	1169.5	1170.7	1172.0	1171.8
172.5°	1174.6	1174.2	1174.3	1174.3	1174.3	1174.4	1175.8	1177.2	1178.5	1180.0	1180.0
175°	1184.1	1183.4	1183.3	1183.0	1182.9	1182.6	1184.1	1185.5	1186.9	1188.4	1188.4
177.5°	1188.2	1187.8	1187.8	1187.8	1187.8	1187.8	1189.0	1190.1	1191.3	1192.4	1192.3
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332920-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	730.2	730.7	729.0	728.5	729.0	730.7	730.2	731.7	732.0	734.0	733.2
5°	677.5	676.8	675.3	675.7	675.3	676.8	677.5	679.9	681.2	686.1	685.5
7.5°	632.3	629.9	630.7	628.1	630.7	629.9	632.3	634.5	638.3	640.6	645.8
10°	604.8	601.3	598.6	596.1	598.6	601.3	604.8	605.9	611.2	613.7	618.9
12.5°	567.0	564.1	560.3	561.1	560.3	564.1	567.0	572.4	579.2	584.3	592.6
15°	513.5	508.9	501.5	502.4	501.5	508.9	513.5	517.5	524.3	536.0	541.5
17.5°	468.2	468.3	464.9	465.6	464.9	468.3	468.2	473.6	477.1	484.6	493.1
20°	444.7	442.6	442.9	442.0	442.9	442.6	444.7	451.2	455.0	460.2	469.4
22.5°	428.5	425.9	423.7	421.8	423.7	425.9	428.5	430.3	435.2	440.2	447.7
25°	401.0	399.2	396.4	395.8	396.4	399.2	401.0	403.8	406.2	412.7	417.3
27.5°	376.8	376.4	375.3	373.9	375.3	376.4	376.8	379.3	382.5	386.7	392.5
30°	362.7	362.2	361.6	360.6	361.6	362.2	362.7	365.3	367.7	371.1	375.7
32.5°	350.2	349.8	349.2	349.3	349.2	349.8	350.2	351.4	352.9	357.3	360.9
35°	332.2	331.9	331.4	331.1	331.4	331.9	332.2	333.5	334.5	335.6	338.7
37.5°	315.5	316.3	315.9	315.8	315.9	316.3	315.5	315.8	314.8	317.0	319.2
40°	303.9	304.2	304.8	304.5	304.8	304.2	303.9	304.2	304.2	304.2	306.1
42.5°	294.3	294.4	295.2	294.1	295.2	294.4	294.3	293.1	291.6	291.9	292.5
45°	277.1	278.9	278.6	278.6	278.6	278.9	277.1	275.0	274.6	273.4	273.4
47.5°	258.3	259.9	260.3	260.2	260.3	259.9	258.3	257.5	256.0	254.8	254.7
50°	246.0	245.3	246.3	246.0	246.3	245.3	246.0	244.4	242.2	242.2	241.6
52.5°	230.9	231.1	231.0	230.7	231.0	231.1	230.9	230.1	229.2	228.2	227.8
55°	207.7	208.0	207.5	207.7	207.5	208.0	207.7	207.5	207.5	206.8	207.5
57.5°	182.6	181.1	181.7	181.0	181.7	181.1	182.6	183.9	184.4	184.6	185.4
60°	164.6	162.2	161.5	160.3	161.5	162.2	164.6	167.7	168.9	169.5	170.5
62.5°	144.3	142.7	140.5	141.6	140.5	142.7	144.3	147.7	150.4	152.5	154.6
65°	117.4	116.2	115.3	116.5	115.3	116.2	117.4	119.9	122.4	127.3	131.9
67.5°	97.2	96.6	96.6	95.9	96.6	96.6	97.2	98.5	100.0	102.7	107.0
70°	86.6	85.7	85.7	85.1	85.7	85.7	86.6	86.6	88.2	89.4	92.4
72.5°	75.7	74.9	75.1	74.7	75.1	74.9	75.7	76.0	77.6	78.0	79.4
75°	56.1	54.6	54.6	54.9	54.6	54.6	56.1	57.9	59.5	62.3	62.9
77.5°	41.8	41.5	42.0	41.4	42.0	41.5	41.8	41.8	42.1	43.5	44.5
80°	34.2	33.9	33.6	34.5	33.6	33.9	34.2	34.2	34.5	34.9	35.2
82.5°	26.5	26.5	26.5	27.6	26.5	26.5	26.5	27.1	27.1	26.9	27.3
85°	16.0	15.4	16.0	15.4	16.0	15.4	16.0	15.7	16.0	15.7	16.0
87.5°	10.9	10.8	10.6	10.9	10.6	10.8	10.9	10.4	10.2	10.5	10.0
90°	26.4	26.8	27.2	27.6	27.2	26.8	26.4	26.0	25.2	23.9	22.7
92.5°	40.2	40.4	40.6	40.9	40.6	40.4	40.2	39.8	39.4	38.7	37.9
95°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.4	71.8	71.1
97.5°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.6	112.8	112.1
100°	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.4	142.0	141.6
102.5°	174.6	174.8	174.9	175.1	174.9	174.8	174.6	174.4	174.0	173.5	172.9
105°	222.8	223.3	223.9	224.6	223.9	223.3	222.8	222.1	221.5	220.9	220.3
107.5°	272.9	272.9	272.8	272.8	272.8	272.9	272.9	273.0	272.7	272.1	271.6
110°	305.5	306.2	306.8	307.4	306.8	306.2	305.5	304.9	304.8	305.2	305.6



TEST NUMBER: P332920-927

CATALOG NUMBER: SA4XXRDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	342.4	342.5	342.6	342.8	342.6	342.5	342.4	342.2	342.2	342.3	342.4
115°	398.2	398.0	397.8	397.6	397.8	398.0	398.2	398.4	398.6	398.8	399.0
117.5°	451.1	450.7	450.3	449.9	450.3	450.7	451.1	451.5	452.0	452.7	453.4
120°	488.4	488.8	489.3	489.6	489.3	488.8	488.4	488.0	488.3	489.3	490.4
122.5°	525.0	524.3	523.5	522.8	523.5	524.3	525.0	525.7	526.4	527.1	527.8
125°	581.1	580.7	580.2	579.8	580.2	580.7	581.1	581.5	581.9	582.3	582.7
127.5°	633.7	633.3	633.0	632.6	633.0	633.3	633.7	634.0	634.3	634.8	635.2
130°	669.7	668.9	668.0	667.3	668.0	668.9	669.7	670.5	671.1	671.5	671.9
132.5°	705.0	704.7	704.4	704.1	704.4	704.7	705.0	705.4	705.8	706.2	706.5
135°	756.5	755.9	755.3	754.7	755.3	755.9	756.5	757.2	757.6	758.0	758.5
137.5°	807.6	807.6	807.8	807.9	807.8	807.6	807.6	807.4	807.6	808.1	808.7
140°	840.9	840.7	840.5	840.3	840.5	840.7	840.9	841.1	841.3	841.5	841.7
142.5°	872.8	872.7	872.7	872.7	872.7	872.7	872.8	872.8	872.9	872.9	873.0
145°	918.5	917.9	917.3	916.7	917.3	917.9	918.5	919.1	919.6	919.7	920.0
147.5°	961.9	961.6	961.4	961.2	961.4	961.6	961.9	962.0	962.2	962.4	962.6
150°	989.0	988.9	988.6	988.5	988.6	988.9	989.0	989.3	989.4	989.4	989.4
152.5°	1015.1	1014.5	1014.0	1013.5	1014.0	1014.5	1015.1	1015.7	1015.7	1015.2	1014.6
155°	1050.8	1050.0	1049.1	1048.3	1049.1	1050.0	1050.8	1051.5	1051.5	1050.8	1050.0
157.5°	1081.5	1080.8	1080.1	1079.4	1080.1	1080.8	1081.5	1082.2	1082.2	1081.6	1081.0
160°	1100.1	1099.1	1098.1	1097.1	1098.1	1099.1	1100.1	1101.1	1101.4	1100.7	1100.1
162.5°	1118.6	1117.5	1116.5	1115.5	1116.5	1117.5	1118.6	1119.6	1119.5	1118.4	1117.3
165°	1141.9	1141.1	1140.2	1139.4	1140.2	1141.1	1141.9	1142.6	1142.5	1141.2	1140.0
167.5°	1160.3	1159.0	1157.8	1156.5	1157.8	1159.0	1160.3	1161.6	1161.6	1160.4	1159.1
170°	1170.4	1168.9	1167.5	1166.1	1167.5	1168.9	1170.4	1171.8	1172.0	1170.7	1169.5
172.5°	1178.5	1177.0	1175.6	1174.2	1175.6	1177.0	1178.5	1180.0	1180.0	1178.5	1177.2
175°	1186.9	1185.5	1184.1	1182.6	1184.1	1185.5	1186.9	1188.4	1188.4	1186.9	1185.5
177.5°	1191.0	1189.7	1188.4	1187.1	1188.4	1189.7	1191.0	1192.3	1192.4	1191.3	1190.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332920-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	731.7	733.5	737.4	741.8	745.5	748.8	751.2	754.6	757.9	762.3	766.5
5°	687.3	691.7	697.8	705.2	714.5	720.6	728.3	735.1	745.0	754.9	764.4
7.5°	648.4	653.2	662.2	672.4	683.4	693.5	702.6	714.5	727.6	742.0	758.0
10°	623.2	628.4	639.3	650.9	663.9	673.8	686.1	700.3	715.1	732.6	752.3
12.5°	600.6	605.5	618.5	630.5	644.0	654.8	669.1	683.5	703.2	722.3	744.7
15°	556.3	569.6	584.4	598.6	614.6	627.9	645.1	659.9	678.7	705.5	731.1
17.5°	507.2	521.4	539.8	561.7	583.1	599.5	617.0	635.4	657.8	685.2	714.7
20°	478.6	490.0	510.4	534.8	559.8	582.6	598.6	618.9	642.1	671.6	702.1
22.5°	457.2	466.9	482.8	507.2	534.1	560.6	581.1	601.2	626.8	656.3	689.6
25°	425.0	435.5	449.4	466.0	496.9	524.9	551.8	574.8	602.0	631.5	668.5
27.5°	398.3	407.4	420.1	437.4	458.1	489.1	521.6	548.0	575.8	607.5	644.5
30°	382.5	389.9	400.4	418.0	437.7	465.4	498.4	529.3	557.3	590.3	628.8
32.5°	366.0	373.9	384.1	398.0	419.1	442.5	475.5	509.2	539.0	572.7	610.5
35°	344.0	350.1	359.4	373.6	392.7	413.0	442.3	477.1	508.6	544.6	580.7
37.5°	321.7	329.0	336.3	348.9	364.6	386.4	410.4	446.0	480.9	513.7	549.0
40°	309.1	313.5	321.5	331.7	348.3	367.7	390.2	425.0	459.9	492.6	528.0
42.5°	295.1	299.9	306.7	316.9	331.8	350.7	372.7	402.8	439.2	470.9	503.1
45°	275.5	278.3	285.1	293.7	306.1	325.2	345.5	372.3	406.5	436.7	465.1
47.5°	255.8	258.3	262.4	270.4	284.2	299.5	318.6	342.6	372.6	402.8	426.8
50°	242.2	244.4	248.4	255.8	268.2	283.3	302.1	323.6	350.5	379.5	399.4
52.5°	228.7	229.9	233.6	242.0	252.4	267.2	284.1	303.9	329.0	353.1	373.4
55°	207.2	209.9	212.4	218.6	228.4	242.6	257.7	276.5	295.9	316.2	333.5
57.5°	184.7	187.7	191.2	196.6	204.5	217.7	231.2	246.4	263.0	280.0	294.4
60°	169.8	172.6	175.7	181.9	188.9	199.4	214.2	227.4	240.1	255.5	270.0
62.5°	155.3	158.0	161.6	166.6	173.4	183.4	195.7	207.2	220.4	233.9	244.6
65°	133.8	135.9	138.7	143.3	149.8	158.8	168.9	177.8	189.6	199.4	209.3
67.5°	110.2	114.3	118.0	121.7	127.1	135.5	142.8	151.4	159.4	166.7	175.7
70°	94.6	99.3	102.7	106.6	111.9	119.0	126.0	131.9	138.4	145.4	153.5
72.5°	81.6	85.2	87.9	92.1	96.8	103.5	110.0	114.9	120.2	125.0	132.8
75°	64.4	66.0	67.8	71.2	75.5	80.5	85.7	90.0	93.1	97.4	103.0
77.5°	46.3	49.3	50.5	52.9	56.0	59.0	62.5	66.1	69.1	70.7	74.9
80°	35.4	36.7	37.9	41.3	43.2	46.3	48.7	52.1	53.3	54.9	58.9
82.5°	27.6	28.3	29.1	29.9	31.1	34.1	36.6	38.7	40.0	40.6	43.6
85°	16.0	16.3	16.6	17.0	17.3	17.3	18.5	20.0	22.2	22.2	23.1
87.5°	9.7	9.7	9.4	8.8	9.0	8.6	8.6	8.1	8.3	8.6	9.0
90°	21.5	20.3	18.6	17.0	15.4	13.7	11.7	9.5	7.3	5.0	2.8
92.5°	37.2	36.4	35.3	34.1	33.0	31.8	30.0	27.4	24.9	22.3	19.7
95°	70.6	69.9	68.5	67.1	65.7	64.2	62.6	60.8	58.9	57.0	55.2
97.5°	111.4	110.6	108.9	107.3	105.6	103.9	102.3	100.8	99.4	97.9	96.5
100°	141.2	140.9	138.9	137.1	135.3	133.5	132.1	131.3	130.5	129.7	128.9
102.5°	172.3	171.7	170.1	168.4	166.7	165.0	164.1	163.7	163.3	163.0	162.7
105°	219.7	219.0	218.2	217.4	216.6	215.8	215.2	215.1	214.8	214.7	214.4
107.5°	271.0	270.4	270.3	270.1	270.1	269.9	269.7	269.5	269.3	269.0	268.7
110°	306.1	306.5	306.7	306.9	307.1	307.3	307.2	306.8	306.3	305.9	305.5



TEST NUMBER: P332920-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	342.5	342.5	342.9	343.3	343.6	344.0	344.2	344.1	344.0	344.0	343.8
115°	399.3	399.4	399.8	400.3	400.7	401.1	401.2	401.2	401.2	401.2	401.2
117.5°	454.2	454.9	455.1	455.4	455.7	456.0	456.1	455.9	455.7	455.6	455.4
120°	491.4	492.4	493.0	493.6	494.2	494.9	494.7	493.9	493.1	492.3	491.5
122.5°	528.5	529.2	529.5	529.8	530.0	530.4	530.4	530.0	529.7	529.3	529.0
125°	583.1	583.5	583.7	583.9	584.2	584.3	584.4	584.4	584.4	584.4	584.4
127.5°	635.6	636.0	636.3	636.6	636.9	637.3	637.2	636.5	635.9	635.3	634.7
130°	672.4	672.8	672.8	672.8	672.8	672.8	672.5	671.8	671.2	670.7	670.0
132.5°	706.9	707.4	707.6	707.7	707.9	708.1	707.9	707.4	707.0	706.5	706.1
135°	758.9	759.3	759.3	759.3	759.3	759.3	758.7	757.5	756.2	755.0	753.8
137.5°	809.2	809.7	809.4	809.1	808.7	808.4	807.9	807.4	806.8	806.3	805.6
140°	841.9	842.1	842.1	842.1	842.1	842.1	841.9	841.5	841.1	840.7	840.3
142.5°	873.0	873.1	873.2	873.4	873.5	873.7	873.6	873.1	872.7	872.4	872.0
145°	920.1	920.4	920.1	920.0	919.7	919.6	919.0	918.2	917.4	916.6	915.8
147.5°	962.7	962.9	963.1	963.2	963.4	963.5	963.1	962.1	961.2	960.2	959.2
150°	989.4	989.4	989.4	989.4	989.4	989.4	989.0	988.2	987.4	986.5	985.7
152.5°	1014.2	1013.7	1013.5	1013.4	1013.2	1013.0	1012.7	1012.2	1011.7	1011.2	1010.7
155°	1049.1	1048.3	1048.5	1048.7	1048.9	1049.1	1049.2	1049.2	1049.2	1049.2	1049.2
157.5°	1080.4	1079.7	1079.8	1079.8	1079.9	1079.9	1080.1	1080.5	1080.9	1081.2	1081.6
160°	1099.5	1098.9	1099.1	1099.3	1099.5	1099.7	1099.9	1100.1	1100.3	1100.6	1100.7
162.5°	1116.2	1115.1	1115.3	1115.6	1115.7	1115.9	1116.3	1116.8	1117.4	1117.8	1118.4
165°	1138.8	1137.6	1138.0	1138.4	1138.8	1139.2	1139.7	1140.3	1140.9	1141.5	1142.2
167.5°	1157.9	1156.7	1156.7	1156.6	1156.6	1156.5	1157.0	1157.8	1158.6	1159.5	1160.4
170°	1168.2	1167.0	1166.8	1166.6	1166.4	1166.2	1166.6	1167.6	1168.6	1169.7	1170.7
172.5°	1175.8	1174.4	1174.3	1174.3	1174.3	1174.2	1174.6	1175.4	1176.3	1177.2	1178.1
175°	1184.1	1182.6	1182.9	1183.0	1183.3	1183.4	1184.1	1185.1	1186.1	1187.2	1188.2
177.5°	1189.0	1187.8	1187.8	1187.8	1187.8	1187.8	1188.2	1189.1	1189.9	1190.6	1191.5
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332920-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	769.7	771.9	774.4	779.0	783.0	784.7	788.2	790.7	789.9	793.4	799.3
5°	772.7	781.0	790.6	800.4	811.5	820.8	828.2	835.6	841.5	848.5	859.0
7.5°	772.2	787.0	803.1	820.8	839.0	854.7	869.3	884.1	897.1	911.6	930.3
10°	770.2	790.0	810.0	833.1	856.3	878.1	897.9	916.3	933.9	952.7	976.4
12.5°	768.0	790.7	814.9	842.7	871.6	897.9	921.1	947.7	969.6	993.9	1021.4
15°	758.2	788.8	821.7	857.8	892.3	927.7	959.5	992.2	1022.7	1051.6	1086.2
17.5°	747.0	782.2	821.1	863.7	905.2	948.2	986.0	1027.1	1058.3	1097.2	1129.3
20°	737.9	775.8	817.4	865.1	912.4	960.1	1001.7	1043.6	1078.8	1117.9	1158.6
22.5°	726.8	768.4	813.5	862.9	912.4	964.6	1010.6	1052.3	1095.8	1139.9	1181.8
25°	708.9	752.1	799.9	854.1	910.8	964.1	1013.4	1065.2	1112.1	1159.8	1197.5
27.5°	687.0	732.3	782.7	838.6	896.8	951.4	1009.5	1064.7	1111.8	1157.8	1190.6
30°	669.5	717.2	765.6	822.4	882.7	941.4	1003.5	1058.8	1108.3	1149.7	1168.2
32.5°	651.5	696.8	746.6	804.1	866.0	929.0	990.8	1047.2	1093.1	1117.8	1118.3
35°	620.1	662.7	714.5	770.9	834.3	902.8	965.4	1020.8	1048.8	1051.1	1020.8
37.5°	586.0	625.0	673.9	730.4	799.9	868.0	931.8	968.8	978.3	946.9	891.0
40°	561.6	597.6	644.8	702.7	771.8	842.1	900.3	927.4	917.6	866.7	804.5
42.5°	535.9	569.5	615.0	672.2	741.5	812.5	862.1	876.6	850.5	791.8	718.9
45°	494.1	524.9	569.9	627.6	694.1	760.7	798.3	790.9	747.4	677.8	596.1
47.5°	450.5	480.3	520.8	574.1	642.3	699.7	725.2	702.9	641.0	564.4	498.0
50°	421.7	452.2	489.5	540.3	602.6	658.1	674.4	640.5	571.7	498.1	437.0
52.5°	393.3	419.4	455.9	505.0	564.6	611.5	620.1	581.1	510.1	444.1	390.0
55°	350.1	373.9	404.7	450.9	502.4	542.2	537.6	487.3	422.9	366.5	323.9
57.5°	308.4	326.3	354.7	398.1	443.3	470.0	453.0	410.3	350.2	304.0	268.2
60°	280.8	297.5	323.9	361.9	401.6	416.7	402.5	356.0	308.6	266.3	236.1
62.5°	254.7	269.3	292.2	327.3	359.4	368.4	353.2	312.6	269.8	233.8	208.7
65°	216.7	230.2	249.7	274.6	296.8	301.1	291.3	249.7	217.3	187.1	169.8
67.5°	182.2	191.1	206.3	227.8	239.6	242.2	223.1	196.9	168.4	149.9	136.9
70°	159.1	165.2	179.4	191.1	200.7	201.0	183.4	162.4	140.5	125.5	115.9
72.5°	136.6	142.5	153.3	161.3	168.6	166.2	150.1	133.6	115.9	104.5	97.4
75°	105.4	110.7	116.2	119.9	119.9	116.8	105.1	92.8	82.6	75.8	73.7
77.5°	76.6	81.0	82.8	82.2	81.1	76.3	68.9	60.8	57.2	54.0	52.4
80°	60.1	61.9	62.6	61.0	59.2	53.6	48.7	45.3	41.9	40.7	40.1
82.5°	44.6	46.2	44.6	45.0	41.0	36.4	33.7	32.5	31.1	30.6	29.9
85°	23.8	23.4	22.8	21.2	18.5	17.9	17.6	17.3	16.6	17.0	16.3
87.5°	9.1	8.9	8.3	8.6	8.9	8.7	9.3	9.7	10.0	10.0	10.7
90°	5.0	7.3	9.5	11.7	13.7	15.4	17.0	18.6	20.3	21.5	22.7
92.5°	22.3	24.9	27.4	30.0	31.8	33.0	34.1	35.3	36.4	37.2	37.9
95°	57.0	58.9	60.8	62.6	64.2	65.7	67.1	68.5	69.9	70.6	71.1
97.5°	97.9	99.4	100.8	102.3	103.9	105.6	107.3	108.9	110.6	111.4	112.1
100°	129.7	130.5	131.3	132.1	133.5	135.3	137.1	138.9	140.9	141.2	141.6
102.5°	163.0	163.3	163.7	164.1	165.0	166.7	168.4	170.1	171.7	172.3	172.9
105°	214.7	214.8	215.1	215.2	215.8	216.6	217.4	218.2	219.0	219.7	220.3
107.5°	269.0	269.3	269.5	269.7	269.9	270.1	270.1	270.3	270.4	271.0	271.6
110°	305.9	306.3	306.8	307.2	307.3	307.1	306.9	306.7	306.5	306.1	305.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	344.0	344.0	344.1	344.2	344.0	343.6	343.3	342.9	342.5	342.5	342.4
115°	401.2	401.2	401.2	401.2	401.1	400.7	400.3	399.8	399.4	399.3	399.0
117.5°	455.6	455.7	455.9	456.1	456.0	455.7	455.4	455.1	454.9	454.2	453.4
120°	492.3	493.1	493.9	494.7	494.9	494.2	493.6	493.0	492.4	491.4	490.4
122.5°	529.3	529.7	530.0	530.4	530.4	530.0	529.8	529.5	529.2	528.5	527.8
125°	584.4	584.4	584.4	584.4	584.3	584.2	583.9	583.7	583.5	583.1	582.7
127.5°	635.3	635.9	636.5	637.2	637.3	636.9	636.6	636.3	636.0	635.6	635.2
130°	670.7	671.2	671.8	672.5	672.8	672.8	672.8	672.8	672.8	672.4	671.9
132.5°	706.5	707.0	707.4	707.9	708.1	707.9	707.7	707.6	707.4	706.9	706.5
135°	755.0	756.2	757.5	758.7	759.3	759.3	759.3	759.3	759.3	758.9	758.5
137.5°	806.3	806.8	807.4	807.9	808.4	808.7	809.1	809.4	809.7	809.2	808.7
140°	840.7	841.1	841.5	841.9	842.1	842.1	842.1	842.1	842.1	841.9	841.7
142.5°	872.4	872.7	873.1	873.6	873.7	873.5	873.4	873.2	873.1	873.0	873.0
145°	916.6	917.4	918.2	919.0	919.6	919.7	920.0	920.1	920.4	920.1	920.0
147.5°	960.2	961.2	962.1	963.1	963.5	963.4	963.2	963.1	962.9	962.7	962.6
150°	986.5	987.4	988.2	989.0	989.4	989.4	989.4	989.4	989.4	989.4	989.4
152.5°	1011.2	1011.7	1012.2	1012.7	1013.0	1013.2	1013.4	1013.5	1013.7	1014.2	1014.6
155°	1049.2	1049.2	1049.2	1049.2	1049.1	1048.9	1048.7	1048.5	1048.3	1049.1	1050.0
157.5°	1081.2	1080.9	1080.5	1080.1	1079.9	1079.9	1079.8	1079.8	1079.7	1080.4	1081.0
160°	1100.6	1100.3	1100.1	1099.9	1099.7	1099.5	1099.3	1099.1	1098.9	1099.5	1100.1
162.5°	1117.8	1117.4	1116.8	1116.3	1115.9	1115.7	1115.6	1115.3	1115.1	1116.2	1117.3
165°	1141.5	1140.9	1140.3	1139.7	1139.2	1138.8	1138.4	1138.0	1137.6	1138.8	1140.0
167.5°	1159.5	1158.6	1157.8	1157.0	1156.5	1156.6	1156.6	1156.7	1156.7	1157.9	1159.1
170°	1169.7	1168.6	1167.6	1166.6	1166.2	1166.4	1166.6	1166.8	1167.0	1168.2	1169.5
172.5°	1177.2	1176.3	1175.4	1174.6	1174.2	1174.3	1174.3	1174.3	1174.4	1175.8	1177.2
175°	1187.2	1186.1	1185.1	1184.1	1183.4	1183.3	1183.0	1182.9	1182.6	1184.1	1185.5
177.5°	1190.6	1189.9	1189.1	1188.2	1187.8	1187.8	1187.8	1187.8	1187.8	1189.0	1190.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	765.0	765.0	765.0	765.0	765.0	765.0	765.0
2.5°	802.5	803.5	804.2	806.7	806.9	809.1	806.9
5°	868.9	873.2	880.0	886.8	887.4	891.7	884.0
7.5°	943.3	953.3	959.6	970.5	974.9	977.6	973.1
10°	994.7	1003.9	1020.3	1028.3	1036.3	1037.4	1033.8
12.5°	1044.2	1058.8	1071.7	1087.0	1086.6	1097.4	1093.4
15°	1110.2	1125.3	1143.2	1160.2	1166.3	1166.3	1171.2
17.5°	1157.3	1185.0	1203.5	1216.8	1231.4	1233.9	1232.2
20°	1189.1	1219.0	1238.7	1256.0	1265.9	1268.7	1268.7
22.5°	1212.8	1238.3	1257.5	1273.0	1281.2	1284.4	1283.4
25°	1229.2	1251.1	1262.8	1267.4	1269.6	1268.9	1263.1
27.5°	1206.7	1205.8	1198.3	1184.2	1173.5	1167.0	1159.7
30°	1163.9	1147.8	1129.3	1109.0	1082.8	1062.7	1056.6
32.5°	1100.0	1064.0	1032.7	998.8	970.6	950.5	942.1
35°	976.4	919.4	872.9	832.2	802.6	784.1	777.9
37.5°	829.9	774.7	717.1	677.6	653.1	634.4	627.4
40°	736.7	676.5	626.3	589.3	564.0	545.9	545.6
42.5°	651.6	594.2	546.9	520.3	493.1	481.0	480.9
45°	533.5	487.6	447.5	426.6	410.3	400.4	397.6
47.5°	441.7	403.8	377.1	360.4	347.1	340.8	336.7
50°	390.2	357.0	335.6	321.2	313.8	305.8	305.1
52.5°	347.3	320.4	303.9	292.1	282.7	277.9	278.1
55°	291.9	270.6	258.9	249.9	242.6	238.8	237.3
57.5°	245.9	230.0	221.4	213.3	210.1	207.2	206.4
60°	217.3	206.5	198.5	192.0	187.4	186.5	186.2
62.5°	193.6	182.4	176.8	171.8	168.4	167.0	166.4
65°	159.6	151.3	146.4	142.4	141.2	139.0	138.7
67.5°	128.7	123.7	120.5	117.7	116.0	115.9	115.9
70°	109.7	106.9	104.2	102.7	101.7	101.1	101.1
72.5°	93.5	91.4	89.1	88.3	88.2	87.5	87.3
75°	71.2	69.1	69.3	67.8	66.5	65.0	64.1
77.5°	50.5	49.0	48.6	48.5	47.4	47.2	47.7
80°	39.1	37.6	37.3	37.6	37.3	36.4	36.4
82.5°	29.8	28.5	28.2	28.0	27.6	28.0	27.5
85°	16.0	15.4	15.4	15.4	16.0	15.7	15.4
87.5°	10.5	10.5	10.9	10.7	10.8	10.6	10.9
90°	23.9	25.2	26.0	26.4	26.8	27.2	27.6
92.5°	38.7	39.4	39.8	40.2	40.4	40.6	40.9
95°	71.8	72.4	72.7	72.7	72.7	72.7	72.7
97.5°	112.8	113.6	113.9	113.9	113.9	113.9	113.9
100°	142.0	142.4	142.7	142.7	142.7	142.7	142.7
102.5°	173.5	174.0	174.4	174.6	174.8	174.9	175.1
105°	220.9	221.5	222.1	222.8	223.3	223.9	224.6
107.5°	272.1	272.7	273.0	272.9	272.9	272.8	272.8
110°	305.2	304.8	304.9	305.5	306.2	306.8	307.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	342.3	342.2	342.2	342.4	342.5	342.6	342.8
115°	398.8	398.6	398.4	398.2	398.0	397.8	397.6
117.5°	452.7	452.0	451.5	451.1	450.7	450.3	449.9
120°	489.3	488.3	488.0	488.4	488.8	489.3	489.6
122.5°	527.1	526.4	525.7	525.0	524.3	523.5	522.8
125°	582.3	581.9	581.5	581.1	580.7	580.2	579.8
127.5°	634.8	634.3	634.0	633.7	633.3	633.0	632.6
130°	671.5	671.1	670.5	669.7	668.9	668.0	667.3
132.5°	706.2	705.8	705.4	705.0	704.7	704.4	704.1
135°	758.0	757.6	757.2	756.5	755.9	755.3	754.7
137.5°	808.1	807.6	807.4	807.6	807.6	807.8	807.9
140°	841.5	841.3	841.1	840.9	840.7	840.5	840.3
142.5°	872.9	872.9	872.8	872.8	872.7	872.7	872.7
145°	919.7	919.6	919.1	918.5	917.9	917.3	916.7
147.5°	962.4	962.2	962.0	961.9	961.6	961.4	961.2
150°	989.4	989.4	989.3	989.0	988.9	988.6	988.5
152.5°	1015.2	1015.7	1015.7	1015.1	1014.5	1014.0	1013.5
155°	1050.8	1051.5	1051.5	1050.8	1050.0	1049.1	1048.3
157.5°	1081.6	1082.2	1082.2	1081.5	1080.8	1080.1	1079.4
160°	1100.7	1101.4	1101.1	1100.1	1099.1	1098.1	1097.1
162.5°	1118.4	1119.5	1119.6	1118.6	1117.5	1116.5	1115.5
165°	1141.2	1142.5	1142.6	1141.9	1141.1	1140.2	1139.4
167.5°	1160.4	1161.6	1161.6	1160.3	1159.0	1157.8	1156.5
170°	1170.7	1172.0	1171.8	1170.4	1168.9	1167.5	1166.1
172.5°	1178.5	1180.0	1180.0	1178.5	1177.0	1175.6	1174.2
175°	1186.9	1188.4	1188.4	1186.9	1185.5	1184.1	1182.6
177.5°	1191.3	1192.4	1192.3	1191.0	1189.7	1188.4	1187.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0

(END OF REPORT)