

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: P331639-940

Luminaire Tested: **SA2XXRDIP-C290D1080U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

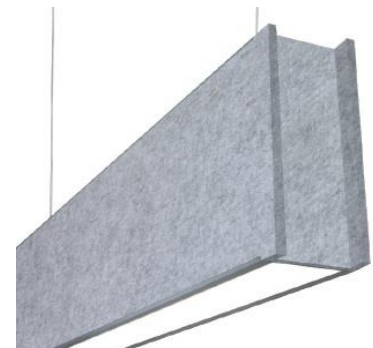
Test Information

Test Method: LM-79-08
Report Number: P331639-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C290D1080U940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1080 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4849.8 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

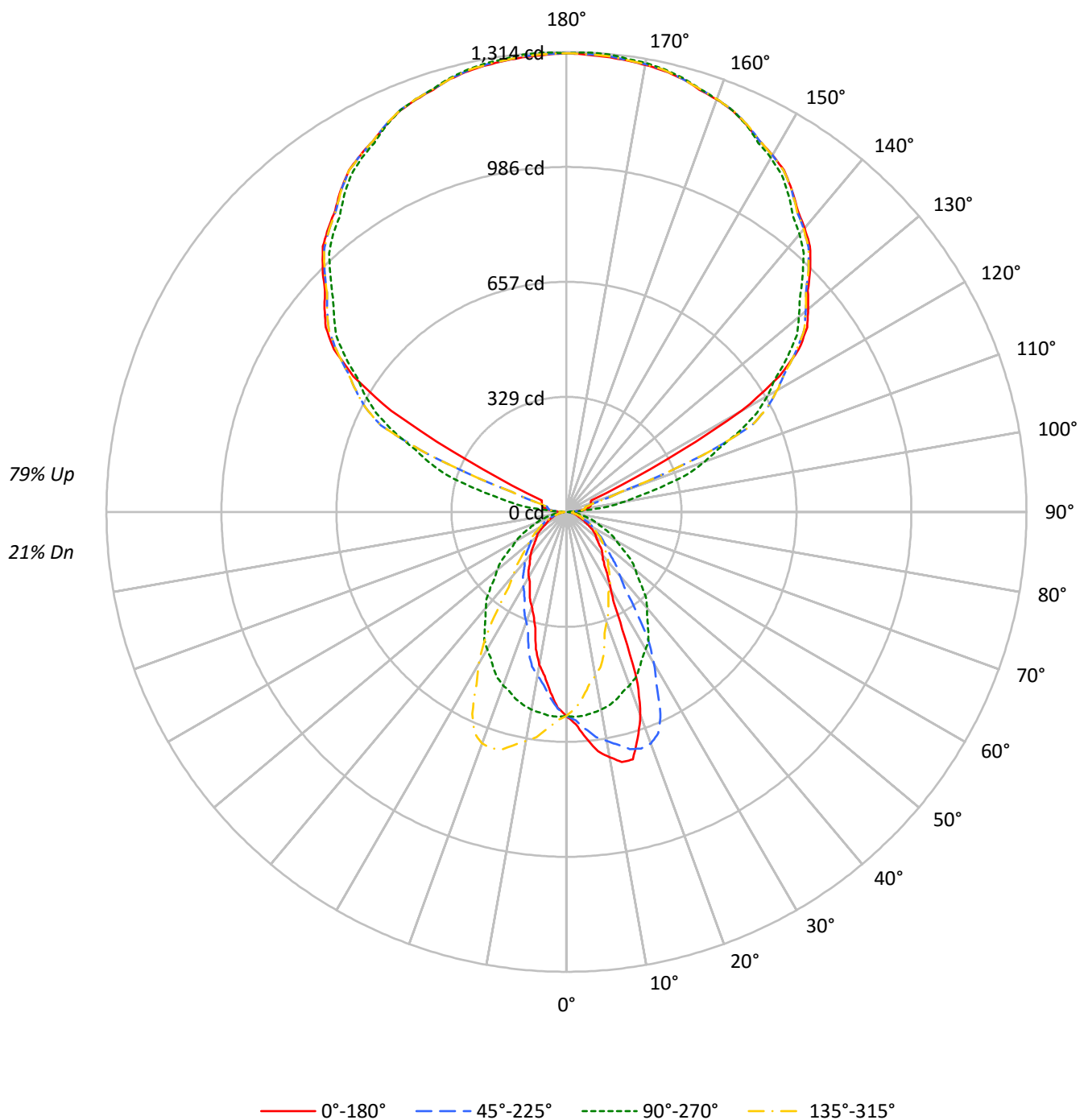
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29
1	92	88	84	81	81	78	75	72	59	57	55	42	41	40	26	26	25
2	84	77	71	66	74	68	64	60	52	49	46	37	35	34	24	23	22
3	76	68	61	56	67	60	55	50	46	42	39	33	31	29	21	20	19
4	70	60	53	47	62	54	47	43	41	37	34	30	27	25	19	18	17
5	64	53	46	40	57	48	41	37	37	33	29	27	24	22	17	16	15
6	59	48	40	35	52	43	36	32	33	29	25	24	21	19	16	14	13
7	55	43	36	31	48	39	32	28	30	26	22	22	19	17	15	13	12
8	51	39	32	27	45	35	29	25	27	23	20	20	17	15	13	12	11
9	47	36	29	24	42	32	26	22	25	21	18	19	16	14	13	11	10
10	44	33	26	21	39	29	24	20	23	19	16	17	14	12	12	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9411	9411	9411	9411
5°	10511	9470	8399	9470
10°	11663	9404	7279	9404
15°	12236	9267	5735	9267
20°	10608	9062	4962	9062
25°	6957	8783	4431	8783
30°	4683	8444	4010	8444
35°	3792	8016	3617	8016
40°	3372	7552	3347	7552
45°	3053	7005	2987	7005
50°	2778	6465	2768	6465
55°	2609	5866	2578	5866
60°	2186	5318	2160	5318
65°	1841	4829	2090	4829
70°	1699	4310	1969	4310
75°	1591	3755	1822	3755
80°	1469	3096	1618	3096
85°	1352	2445	1426	2445

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.1
10°-20°	154.0	3.2
20°-30°	198.4	4.1
30°-40°	188.6	3.9
40°-50°	161.5	3.3
50°-60°	123.0	2.5
60°-70°	77.8	1.6
70°-80°	38.8	0.8
80°-90°	13.3	0.3
90°-100°	43.7	0.9
100°-110°	160.2	3.3
110°-120°	428.4	8.8
120°-130°	707.1	14.6
130°-140°	752.0	15.5
140°-150°	699.0	14.4
150°-160°	562.0	11.6
160°-170°	362.1	7.5
170°-180°	124.6	2.6
0°-30°	407.7	8.4
0°-40°	596.2	12.3
0°-60°	880.8	18.2
0°-90°	1010.7	20.8
90°-120°	632.3	13.0
90°-150°	2790.4	57.5
90°-180°	3839.0	79.2
0°-180°	4849.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	583	583	583	583	583	
5°	648	584	518	584	648	64
15°	732	554	343	554	732	197
25°	390	493	249	493	390	185
35°	192	407	184	407	192	123
45°	134	307	131	307	134	103
55°	93	208	92	208	93	81
65°	48	126	55	126	48	49
75°	26	60	29	60	26	27
85°	7	13	8	13	7	9
90°	26	1	26	1	26	12
95°	41	62	41	62	41	38
105°	72	288	72	288	72	75
115°	78	545	78	545	78	195
125°	810	771	810	771	810	701
135°	985	954	985	954	985	759
145°	1123	1106	1123	1106	1123	702
155°	1219	1218	1219	1218	1219	563
165°	1281	1284	1281	1284	1281	362
175°	1305	1313	1305	1313	1305	124
180°	1310	1310	1310	1310	1310	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	606.6	607.1	607.6	606.5	606.5	605.5	603.3	601.7	597.2	596.6	596.6
5°	648.5	648.2	649.0	646.3	642.7	641.9	638.0	632.9	627.7	621.9	620.6
7.5°	690.3	689.6	688.0	687.6	684.8	678.7	672.5	665.9	657.2	648.6	644.4
10°	711.4	718.1	714.0	706.9	708.3	698.8	693.8	685.0	677.7	664.9	662.2
12.5°	732.1	734.8	733.4	729.4	727.6	721.0	714.2	706.6	693.1	681.7	671.7
15°	732.0	735.8	736.9	735.7	736.6	736.3	732.6	726.4	714.6	702.0	691.1
17.5°	678.0	680.6	687.3	691.8	697.5	709.4	715.4	717.6	716.0	708.7	701.1
20°	617.4	613.0	631.6	641.1	649.2	669.4	686.9	693.6	704.3	704.1	702.0
22.5°	531.5	532.5	550.2	561.5	585.1	605.5	625.3	650.4	671.2	684.9	692.9
25°	390.5	398.2	415.8	431.2	457.5	495.3	529.5	569.2	606.6	636.2	664.4
27.5°	293.3	293.9	307.8	322.1	337.7	368.5	411.7	459.1	512.5	556.6	607.3
30°	251.2	249.9	255.8	264.6	277.9	301.8	334.2	380.8	434.1	500.5	559.6
32.5°	221.3	221.4	225.9	232.3	243.3	259.5	281.7	319.6	369.9	435.2	504.5
35°	192.4	192.3	195.5	200.1	204.7	215.1	230.3	250.1	284.8	345.7	416.6
37.5°	171.7	172.5	174.2	177.1	182.2	188.0	197.1	210.4	235.1	271.2	330.7
40°	160.0	160.4	162.6	165.1	168.1	172.5	180.0	190.8	208.8	237.6	281.2
42.5°	149.4	149.7	151.3	153.6	156.0	160.4	166.7	175.9	190.6	212.9	248.9
45°	133.7	133.7	135.1	136.1	138.8	142.8	147.8	155.6	165.7	182.3	206.2
47.5°	119.0	119.0	120.0	121.7	123.4	126.5	131.5	137.9	145.2	158.0	178.4
50°	110.6	110.8	111.4	112.8	113.9	116.6	120.6	126.0	133.7	143.7	160.6
52.5°	103.8	103.7	104.4	105.0	105.8	107.7	110.7	115.5	122.3	131.0	145.1
55°	92.7	91.9	93.2	94.2	94.8	95.6	97.2	100.2	106.1	113.4	123.9
57.5°	79.0	78.6	79.5	80.4	82.4	84.5	86.0	87.8	90.9	96.1	106.6
60°	67.7	67.7	69.5	70.1	72.3	75.2	78.0	79.6	82.7	86.1	93.8
62.5°	57.6	57.8	58.6	59.2	60.5	63.9	67.9	71.5	74.4	77.7	82.8
65°	48.2	48.6	48.6	49.0	49.8	50.6	52.3	55.1	60.2	64.8	68.7
67.5°	40.9	41.0	41.2	41.6	41.7	42.6	43.3	44.6	45.7	50.1	54.9
70°	36.0	36.6	36.5	36.8	37.1	37.5	38.3	38.9	40.8	41.7	44.6
72.5°	31.5	31.9	31.9	32.2	32.7	32.8	33.4	34.1	35.2	36.0	37.6
75°	25.5	25.3	25.5	25.9	26.1	26.3	26.3	27.1	27.7	28.5	29.6
77.5°	19.7	19.9	19.9	19.9	20.0	20.3	20.2	20.6	21.2	21.7	22.1
80°	15.8	16.0	15.8	16.0	16.2	16.4	16.2	16.4	17.0	17.4	17.4
82.5°	12.2	12.3	12.4	12.4	12.5	12.5	12.8	12.8	13.3	13.2	13.4
85°	7.3	7.1	7.1	7.1	7.3	7.5	7.3	7.3	7.5	7.5	7.5
87.5°	7.7	7.8	7.7	7.6	7.6	7.4	7.2	7.1	6.8	6.7	6.2
90°	25.6	25.1	24.8	24.3	23.9	23.2	22.1	21.0	20.0	19.0	17.3
92.5°	25.6	25.3	25.1	24.9	24.6	24.2	23.6	23.1	22.6	22.0	21.1
95°	40.8	40.9	41.2	41.4	41.6	41.2	40.1	39.1	38.0	37.0	35.5
97.5°	54.4	54.1	53.9	53.7	53.4	52.9	52.0	51.2	50.3	49.5	46.1
100°	63.5	63.1	62.7	62.2	61.8	60.8	59.1	57.4	55.7	54.0	50.5
102.5°	68.0	67.5	66.9	66.3	65.7	64.3	62.2	59.9	57.8	55.6	85.5
105°	72.1	71.2	70.4	69.6	68.7	67.1	64.7	62.4	60.1	57.8	115.3
107.5°	74.1	73.3	72.4	71.6	70.8	71.5	73.8	76.2	78.6	81.0	149.9
110°	74.9	74.0	73.2	72.3	71.5	81.6	102.7	123.8	144.8	165.9	226.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	75.6	75.0	74.3	73.7	72.9	111.0	187.9	264.7	341.6	418.4	433.5
115°	77.8	92.9	108.1	123.2	138.4	194.7	292.3	389.8	487.3	584.9	579.6
117.5°	317.4	367.2	417.1	466.9	516.7	553.5	577.0	600.7	624.2	647.8	644.2
120°	578.3	606.6	635.1	663.5	692.0	705.0	702.4	699.9	697.3	694.8	691.1
122.5°	721.6	727.1	732.6	738.2	743.6	745.6	744.1	742.6	741.1	739.6	735.5
125°	810.5	809.9	809.2	808.6	808.0	806.9	805.4	804.0	802.5	801.0	797.0
127.5°	866.6	866.5	866.4	866.2	866.1	865.0	862.8	860.7	858.5	856.4	853.4
130°	901.5	901.7	901.9	902.1	902.3	901.3	898.9	896.6	894.3	892.0	889.7
132.5°	935.6	935.9	936.0	936.2	936.5	935.6	933.6	931.6	929.6	927.6	925.3
135°	984.9	985.3	985.7	986.1	986.6	985.7	983.6	981.5	979.5	977.3	975.4
137.5°	1029.8	1030.6	1031.3	1032.0	1032.7	1032.0	1029.9	1027.9	1025.8	1023.8	1021.6
140°	1057.9	1058.9	1060.0	1061.0	1062.1	1061.7	1059.8	1057.9	1056.0	1054.1	1051.8
142.5°	1085.2	1086.3	1087.3	1088.3	1089.4	1089.0	1087.4	1085.6	1083.9	1082.2	1079.5
145°	1123.3	1124.4	1125.4	1126.5	1127.5	1127.3	1125.8	1124.4	1122.8	1121.4	1117.8
147.5°	1156.8	1157.7	1158.6	1159.5	1160.4	1160.3	1159.2	1158.1	1157.0	1155.9	1152.4
150°	1177.3	1178.4	1179.5	1180.4	1181.5	1181.4	1180.2	1178.9	1177.7	1176.3	1173.0
152.5°	1194.8	1196.1	1197.6	1198.9	1200.3	1200.4	1199.2	1197.8	1196.6	1195.3	1192.1
155°	1219.1	1220.8	1222.4	1224.1	1225.7	1226.0	1224.8	1223.4	1222.2	1220.9	1218.4
157.5°	1241.2	1242.9	1244.5	1246.2	1247.8	1247.9	1246.4	1245.0	1243.6	1242.2	1240.4
160°	1254.1	1255.6	1257.0	1258.6	1260.0	1260.1	1258.8	1257.6	1256.3	1255.1	1253.8
162.5°	1264.7	1266.5	1268.4	1270.2	1271.9	1272.2	1270.7	1269.3	1267.8	1266.4	1265.3
165°	1280.7	1282.1	1283.6	1285.0	1286.6	1286.6	1285.0	1283.6	1282.1	1280.7	1280.1
167.5°	1290.7	1292.6	1294.5	1296.4	1298.2	1298.5	1297.0	1295.6	1294.1	1292.6	1292.0
170°	1296.7	1298.7	1300.6	1302.4	1304.3	1304.6	1303.1	1301.6	1300.1	1298.7	1298.2
172.5°	1301.3	1303.2	1305.1	1307.0	1308.9	1309.1	1307.6	1306.2	1304.7	1303.2	1302.8
175°	1305.3	1307.4	1309.5	1311.6	1313.8	1314.0	1312.6	1311.1	1309.7	1308.1	1307.7
177.5°	1307.8	1309.3	1310.8	1312.3	1313.8	1314.0	1312.8	1311.6	1310.5	1309.3	1309.1
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	596.9	595.6	594.4	591.6	590.0	586.8	586.4	586.2	582.0	577.9	576.8
5°	617.4	614.1	609.3	603.6	597.7	591.7	587.6	584.3	576.2	568.6	564.1
7.5°	638.0	631.1	622.7	612.0	603.0	593.0	585.5	578.8	567.3	556.2	548.8
10°	653.4	642.1	631.0	616.2	604.6	593.3	582.7	573.6	560.7	546.1	535.7
12.5°	663.0	650.5	635.2	620.7	605.7	591.3	577.2	565.5	550.3	535.2	523.0
15°	675.9	662.5	643.9	623.2	604.0	585.1	569.0	554.4	534.6	516.5	501.5
17.5°	686.5	668.1	648.1	624.2	601.9	578.0	557.1	538.5	516.4	494.6	477.0
20°	689.9	671.6	648.5	624.6	598.3	570.2	547.7	527.4	503.7	480.0	459.8
22.5°	687.8	673.6	647.9	619.3	592.4	562.9	537.5	514.0	487.7	463.5	440.1
25°	673.5	668.6	644.4	613.1	582.4	548.1	518.7	493.0	463.1	437.1	411.6
27.5°	640.2	650.7	635.6	602.4	568.1	531.5	498.4	469.1	438.0	408.8	383.4
30°	608.1	632.1	625.7	594.9	556.6	520.6	483.5	452.9	419.7	389.7	364.6
32.5°	564.2	604.0	610.3	584.5	544.9	505.3	466.5	436.0	401.4	369.8	345.3
35°	494.2	553.8	581.1	564.7	525.0	482.2	442.2	406.7	371.8	340.7	316.4
37.5°	410.8	492.0	537.5	538.7	502.2	457.8	414.1	378.9	343.2	312.6	286.3
40°	356.7	444.6	504.0	517.1	486.3	438.4	394.1	358.3	323.5	293.5	263.3
42.5°	308.1	395.7	468.6	491.5	467.1	419.4	375.1	337.6	303.7	275.4	244.5
45°	249.1	325.7	406.1	447.0	433.5	389.3	342.5	306.8	275.1	250.6	221.0
47.5°	210.2	264.1	342.0	397.3	397.1	356.8	310.7	276.6	247.1	224.1	200.2
50°	188.0	235.0	300.8	363.6	368.8	335.0	291.2	257.4	229.9	205.8	186.5
52.5°	168.0	206.8	265.9	326.2	341.2	311.8	269.4	238.2	211.4	189.2	172.8
55°	142.0	172.0	217.0	273.2	296.0	275.3	237.6	208.4	186.7	168.1	153.9
57.5°	120.1	142.6	178.7	224.0	250.4	237.5	206.3	182.6	164.1	147.2	136.1
60°	106.4	124.8	155.3	193.2	222.4	213.3	186.7	164.7	148.9	134.3	123.8
62.5°	93.4	109.2	135.5	166.2	192.9	189.1	167.5	148.9	135.1	121.8	112.9
65°	75.2	86.7	107.2	131.3	152.8	154.5	138.9	126.4	114.0	103.5	95.6
67.5°	59.8	67.4	81.8	102.1	118.2	123.9	114.4	104.8	95.0	86.9	80.0
70°	50.5	56.5	67.1	83.5	98.3	104.3	98.8	91.3	82.8	76.2	70.3
72.5°	40.8	46.8	54.6	66.6	79.3	85.9	83.9	78.6	71.7	66.1	60.5
75°	30.8	32.6	37.9	46.0	55.9	61.6	63.0	60.2	54.7	50.5	47.2
77.5°	22.7	23.9	26.4	30.6	37.1	42.2	44.2	43.9	40.1	37.7	34.6
80°	18.2	18.8	20.1	21.8	26.8	31.8	33.3	33.3	30.6	29.6	26.6
82.5°	13.8	14.3	15.1	16.1	18.3	22.7	24.3	24.6	23.0	21.7	19.3
85°	7.9	7.7	8.1	8.7	9.1	10.3	12.8	13.2	12.8	11.1	10.5
87.5°	5.9	5.7	5.4	4.8	4.5	4.2	4.5	4.9	4.7	4.6	4.8
90°	15.6	13.9	12.2	10.3	7.9	5.6	3.3	1.0	3.3	5.6	7.9
92.5°	20.3	19.4	18.6	18.3	18.5	18.7	18.9	19.2	18.9	18.7	18.5
95°	34.1	32.5	31.0	33.8	40.8	47.7	54.7	61.6	54.7	47.7	40.8
97.5°	42.6	39.2	35.8	44.0	63.5	83.1	102.7	122.3	102.7	83.1	63.5
100°	46.9	43.2	39.7	52.3	81.2	110.0	138.9	167.8	138.9	110.0	81.2
102.5°	115.5	145.4	175.4	193.4	199.5	205.6	211.7	217.8	211.7	205.6	199.5
105°	172.8	230.3	287.8	313.4	307.1	300.8	294.5	288.2	294.5	300.8	307.1
107.5°	218.9	287.8	356.9	388.8	383.6	378.5	373.4	368.4	373.4	378.5	383.6
110°	287.7	348.5	409.4	437.7	433.2	428.8	424.4	419.9	424.4	428.8	433.2

TEST NUMBER: P331639-940

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	448.5	463.5	478.6	484.1	480.2	476.3	472.4	468.5	472.4	476.3	480.2
115°	574.4	569.1	563.8	559.4	555.8	552.2	548.7	545.1	548.7	552.2	555.8
117.5°	640.6	636.9	633.3	629.5	625.5	621.5	617.5	613.5	617.5	621.5	625.5
120°	687.2	683.5	679.7	676.2	673.1	669.9	666.7	663.5	666.7	669.9	673.1
122.5°	731.3	727.2	723.1	719.3	716.0	712.7	709.4	706.1	709.4	712.7	716.0
125°	793.0	789.0	785.0	781.6	778.9	776.1	773.4	770.7	773.4	776.1	778.9
127.5°	850.3	847.4	844.4	841.4	838.4	835.4	832.3	829.3	832.3	835.4	838.4
130°	887.3	885.0	882.7	879.9	876.6	873.2	869.8	866.4	869.8	873.2	876.6
132.5°	923.0	920.7	918.4	915.8	912.9	910.1	907.2	904.3	907.2	910.1	912.9
135°	973.5	971.6	969.7	967.1	963.8	960.4	957.0	953.6	957.0	960.4	963.8
137.5°	1019.5	1017.4	1015.1	1012.9	1010.6	1008.2	1005.8	1003.4	1005.8	1008.2	1010.6
140°	1049.5	1047.1	1044.8	1042.9	1041.2	1039.5	1037.8	1036.1	1037.8	1039.5	1041.2
142.5°	1076.8	1074.2	1071.6	1069.4	1067.9	1066.4	1064.9	1063.4	1064.9	1066.4	1067.9
145°	1114.2	1110.6	1107.1	1105.4	1105.6	1105.8	1106.0	1106.3	1106.0	1105.8	1105.6
147.5°	1148.8	1145.3	1141.7	1140.4	1141.2	1142.0	1142.8	1143.6	1142.8	1142.0	1141.2
150°	1169.7	1166.3	1162.9	1162.0	1163.4	1164.9	1166.4	1167.9	1166.4	1164.9	1163.4
152.5°	1188.9	1185.7	1182.5	1181.8	1183.4	1185.0	1186.7	1188.3	1186.7	1185.0	1183.4
155°	1215.8	1213.4	1210.9	1210.5	1212.4	1214.3	1216.2	1218.1	1216.2	1214.3	1212.4
157.5°	1238.6	1236.9	1235.1	1235.0	1236.6	1238.2	1239.8	1241.4	1239.8	1238.2	1236.6
160°	1252.5	1251.2	1250.0	1250.0	1251.2	1252.5	1253.8	1255.1	1253.8	1252.5	1251.2
162.5°	1264.3	1263.1	1262.0	1262.1	1263.4	1264.6	1266.0	1267.2	1266.0	1264.6	1263.4
165°	1279.4	1278.7	1278.1	1278.4	1279.7	1280.9	1282.2	1283.5	1282.2	1280.9	1279.7
167.5°	1291.4	1290.8	1290.2	1290.6	1291.8	1293.1	1294.4	1295.7	1294.4	1293.1	1291.8
170°	1297.8	1297.4	1297.0	1297.4	1298.7	1299.9	1301.2	1302.4	1301.2	1299.9	1298.7
172.5°	1302.3	1302.0	1301.5	1302.0	1303.2	1304.5	1305.7	1307.0	1305.7	1304.5	1303.2
175°	1307.3	1306.9	1306.4	1307.0	1308.5	1309.9	1311.4	1312.9	1311.4	1309.9	1308.5
177.5°	1308.9	1308.8	1308.6	1309.1	1310.3	1311.4	1312.7	1313.8	1312.7	1311.4	1310.3
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	574.7	573.5	571.4	568.2	566.2	562.8	560.6	561.9	562.2	561.9	561.6
5°	559.3	555.0	549.1	543.4	538.1	532.5	529.2	527.9	525.0	523.4	522.5
7.5°	540.6	533.2	525.0	515.1	506.7	497.8	493.4	491.2	485.4	482.2	479.5
10°	526.6	515.1	506.8	493.8	485.9	474.4	466.5	466.7	458.8	454.3	451.1
12.5°	511.2	498.6	484.7	473.1	462.1	452.8	443.3	439.4	431.1	426.8	418.0
15°	485.7	470.9	456.4	440.6	429.4	415.0	401.3	384.4	370.9	359.1	355.9
17.5°	457.9	439.5	424.9	406.4	387.3	363.1	347.1	337.3	329.2	323.0	318.3
20°	438.7	420.1	404.5	376.6	350.8	334.4	322.7	315.1	306.7	300.0	296.3
22.5°	418.7	399.2	377.9	346.7	326.6	313.5	303.1	294.4	288.6	283.5	280.1
25°	390.1	368.8	333.8	312.4	296.1	282.3	275.1	269.8	263.8	256.6	253.4
27.5°	360.0	326.2	301.0	285.0	269.6	260.6	254.0	246.2	240.8	237.6	234.2
30°	337.4	303.6	284.0	266.5	255.7	245.7	238.0	233.5	228.3	222.8	220.6
32.5°	312.4	285.3	266.4	252.0	240.9	232.4	226.3	219.1	215.3	212.0	207.3
35°	281.2	260.6	243.4	231.8	221.1	214.3	207.2	203.0	196.1	193.2	191.5
37.5°	254.8	237.0	224.2	211.8	203.4	195.8	191.5	184.7	181.7	177.7	173.9
40°	239.8	222.4	210.1	199.9	190.6	184.9	179.5	174.0	169.5	167.7	163.1
42.5°	224.6	210.4	198.0	187.0	180.7	174.7	167.8	163.8	159.2	156.2	153.4
45°	203.6	191.0	180.5	171.4	164.4	158.2	153.7	147.0	144.5	138.6	136.1
47.5°	185.1	173.4	163.4	154.7	148.0	143.9	137.4	132.2	128.0	124.3	121.2
50°	172.0	162.2	152.5	144.8	138.8	132.9	126.2	123.6	117.1	115.2	113.4
52.5°	160.0	150.7	141.9	134.3	128.2	122.5	116.6	113.2	108.8	107.0	105.7
55°	143.2	134.3	125.8	119.1	113.1	107.2	103.5	99.2	97.2	95.8	94.2
57.5°	126.4	118.3	111.8	105.0	98.9	94.3	90.1	87.5	85.4	83.6	81.6
60°	115.7	108.0	102.1	95.8	89.5	85.7	82.5	79.4	77.0	74.1	73.3
62.5°	104.3	97.6	92.2	86.1	80.6	77.1	74.0	71.2	68.2	64.1	63.0
65°	88.7	83.5	77.8	72.7	67.9	64.4	59.9	56.7	55.5	55.1	54.9
67.5°	74.6	69.6	64.7	59.6	55.2	52.0	49.7	49.2	48.3	48.2	47.5
70°	65.2	60.5	55.7	50.8	46.5	46.0	45.2	44.3	43.3	43.0	42.5
72.5°	56.8	52.0	47.1	43.2	41.4	40.7	39.9	39.0	38.3	37.9	37.7
75°	43.5	39.1	35.8	34.4	33.4	32.8	31.6	31.0	30.6	30.0	29.8
77.5°	31.4	28.8	27.4	26.5	25.4	24.8	24.1	23.5	23.0	22.9	22.6
80°	23.9	22.6	21.7	20.4	20.1	19.3	19.1	18.5	18.6	18.0	18.0
82.5°	18.5	17.0	16.1	15.6	15.2	14.5	14.4	14.1	14.1	13.6	13.6
85°	9.5	9.1	8.7	8.3	8.3	7.7	7.9	7.7	7.7	7.3	7.1
87.5°	5.1	5.4	5.4	5.7	6.1	6.2	6.4	6.5	6.7	6.9	6.9
90°	10.3	12.2	13.9	15.6	17.3	19.0	20.0	21.0	22.1	23.2	23.9
92.5°	18.3	18.6	19.4	20.3	21.1	22.0	22.6	23.1	23.6	24.2	24.6
95°	33.8	31.0	32.5	34.1	35.5	37.0	38.0	39.1	40.1	41.2	41.6
97.5°	44.0	35.8	39.2	42.6	46.1	49.5	50.3	51.2	52.0	52.9	53.4
100°	52.3	39.7	43.2	46.9	50.5	54.0	55.7	57.4	59.1	60.8	61.8
102.5°	193.4	175.4	145.4	115.5	85.5	55.6	57.8	59.9	62.2	64.3	65.7
105°	313.4	287.8	230.3	172.8	115.3	57.8	60.1	62.4	64.7	67.1	68.7
107.5°	388.8	356.9	287.8	218.9	149.9	81.0	78.6	76.2	73.8	71.5	70.8
110°	437.7	409.4	348.5	287.7	226.8	165.9	144.8	123.8	102.7	81.6	71.5

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	484.1	478.6	463.5	448.5	433.5	418.4	341.6	264.7	187.9	111.0	72.9
115°	559.4	563.8	569.1	574.4	579.6	584.9	487.3	389.8	292.3	194.7	138.4
117.5°	629.5	633.3	636.9	640.6	644.2	647.8	624.2	600.7	577.0	553.5	516.7
120°	676.2	679.7	683.5	687.2	691.1	694.8	697.3	699.9	702.4	705.0	692.0
122.5°	719.3	723.1	727.2	731.3	735.5	739.6	741.1	742.6	744.1	745.6	743.6
125°	781.6	785.0	789.0	793.0	797.0	801.0	802.5	804.0	805.4	806.9	808.0
127.5°	841.4	844.4	847.4	850.3	853.4	856.4	858.5	860.7	862.8	865.0	866.1
130°	879.9	882.7	885.0	887.3	889.7	892.0	894.3	896.6	898.9	901.3	902.3
132.5°	915.8	918.4	920.7	923.0	925.3	927.6	929.6	931.6	933.6	935.6	936.5
135°	967.1	969.7	971.6	973.5	975.4	977.3	979.5	981.5	983.6	985.7	986.6
137.5°	1012.9	1015.1	1017.4	1019.5	1021.6	1023.8	1025.8	1027.9	1029.9	1032.0	1032.7
140°	1042.9	1044.8	1047.1	1049.5	1051.8	1054.1	1056.0	1057.9	1059.8	1061.7	1062.1
142.5°	1069.4	1071.6	1074.2	1076.8	1079.5	1082.2	1083.9	1085.6	1087.4	1089.0	1089.4
145°	1105.4	1107.1	1110.6	1114.2	1117.8	1121.4	1122.8	1124.4	1125.8	1127.3	1127.5
147.5°	1140.4	1141.7	1145.3	1148.8	1152.4	1155.9	1157.0	1158.1	1159.2	1160.3	1160.4
150°	1162.0	1162.9	1166.3	1169.7	1173.0	1176.3	1177.7	1178.9	1180.2	1181.4	1181.5
152.5°	1181.8	1182.5	1185.7	1188.9	1192.1	1195.3	1196.6	1197.8	1199.2	1200.4	1200.3
155°	1210.5	1210.9	1213.4	1215.8	1218.4	1220.9	1222.2	1223.4	1224.8	1226.0	1225.7
157.5°	1235.0	1235.1	1236.9	1238.6	1240.4	1242.2	1243.6	1245.0	1246.4	1247.9	1247.8
160°	1250.0	1250.0	1251.2	1252.5	1253.8	1255.1	1256.3	1257.6	1258.8	1260.1	1260.0
162.5°	1262.1	1262.0	1263.1	1264.3	1265.3	1266.4	1267.8	1269.3	1270.7	1272.2	1271.9
165°	1278.4	1278.1	1278.7	1279.4	1280.1	1280.7	1282.1	1283.6	1285.0	1286.6	1286.6
167.5°	1290.6	1290.2	1290.8	1291.4	1292.0	1292.6	1294.1	1295.6	1297.0	1298.5	1298.2
170°	1297.4	1297.0	1297.4	1297.8	1298.2	1298.7	1300.1	1301.6	1303.1	1304.6	1304.3
172.5°	1302.0	1301.5	1302.0	1302.3	1302.8	1303.2	1304.7	1306.2	1307.6	1309.1	1308.9
175°	1307.0	1306.4	1306.9	1307.3	1307.7	1308.1	1309.7	1311.1	1312.6	1314.0	1313.8
177.5°	1309.1	1308.6	1308.8	1308.9	1309.1	1309.3	1310.5	1311.6	1312.8	1314.0	1313.8
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	559.8	560.1	559.6	559.9	559.6	560.1	559.8	561.6	561.9	562.2	561.9
5°	521.6	519.2	518.7	518.2	518.7	519.2	521.6	522.5	523.4	525.0	527.9
7.5°	476.0	475.6	474.6	473.1	474.6	475.6	476.0	479.5	482.2	485.4	491.2
10°	446.7	445.6	445.4	444.0	445.4	445.6	446.7	451.1	454.3	458.8	466.7
12.5°	412.2	405.7	405.1	401.5	405.1	405.7	412.2	418.0	426.8	431.1	439.4
15°	351.1	349.8	345.7	343.1	345.7	349.8	351.1	355.9	359.1	370.9	384.4
17.5°	316.0	312.0	310.8	310.2	310.8	312.0	316.0	318.3	323.0	329.2	337.3
20°	293.5	289.9	289.3	288.8	289.3	289.9	293.5	296.3	300.0	306.7	315.1
22.5°	277.9	274.1	272.6	271.3	272.6	274.1	277.9	280.1	283.5	288.6	294.4
25°	251.4	249.9	249.1	248.7	249.1	249.9	251.4	253.4	256.6	263.8	269.8
27.5°	230.6	227.5	226.9	225.8	226.9	227.5	230.6	234.2	237.6	240.8	246.2
30°	218.7	217.8	216.3	215.1	216.3	217.8	218.7	220.6	222.8	228.3	233.5
32.5°	204.8	203.9	202.7	202.2	202.7	203.9	204.8	207.3	212.0	215.3	219.1
35°	189.4	186.5	185.3	183.5	185.3	186.5	189.4	191.5	193.2	196.1	203.0
37.5°	173.1	171.6	169.9	170.5	169.9	171.6	173.1	173.9	177.7	181.7	184.7
40°	160.4	159.4	159.0	158.8	159.0	159.4	160.4	163.1	167.7	169.5	174.0
42.5°	150.3	147.6	146.5	146.5	146.5	147.6	150.3	153.4	156.2	159.2	163.8
45°	135.1	132.5	130.6	130.8	130.6	132.5	135.1	136.1	138.6	144.5	147.0
47.5°	119.5	119.4	118.2	118.6	118.2	119.4	119.5	121.2	124.3	128.0	132.2
50°	112.0	110.8	109.9	110.2	109.9	110.8	112.0	113.4	115.2	117.1	123.6
52.5°	104.9	103.8	103.2	104.1	103.2	103.8	104.9	105.7	107.0	108.8	113.2
55°	93.2	91.9	91.8	91.6	91.8	91.9	93.2	94.2	95.8	97.2	99.2
57.5°	80.1	79.3	78.0	77.6	78.0	79.3	80.1	81.6	83.6	85.4	87.5
60°	70.7	69.1	67.1	66.9	67.1	69.1	70.7	73.3	74.1	77.0	79.4
62.5°	62.1	61.8	61.3	61.3	61.3	61.8	62.1	63.0	64.1	68.2	71.2
65°	54.5	54.3	54.5	54.7	54.5	54.3	54.5	54.9	55.1	55.5	56.7
67.5°	47.4	47.1	46.7	46.9	46.7	47.1	47.4	47.5	48.2	48.3	49.2
70°	42.1	41.9	41.7	41.7	41.7	41.9	42.1	42.5	43.0	43.3	44.3
72.5°	36.9	36.9	36.7	36.6	36.7	36.9	36.9	37.7	37.9	38.3	39.0
75°	29.6	29.2	29.2	29.2	29.2	29.2	29.6	29.8	30.0	30.6	31.0
77.5°	22.6	22.3	22.1	21.9	22.1	22.3	22.6	22.6	22.9	23.0	23.5
80°	17.8	17.7	17.4	17.4	17.4	17.7	17.8	18.0	18.0	18.6	18.5
82.5°	13.6	13.4	13.4	13.2	13.4	13.4	13.6	13.6	13.6	14.1	14.1
85°	7.3	7.5	7.3	7.7	7.3	7.5	7.3	7.1	7.3	7.7	7.7
87.5°	7.0	6.9	7.1	7.0	7.1	6.9	7.0	6.9	6.9	6.7	6.5
90°	24.3	24.8	25.1	25.6	25.1	24.8	24.3	23.9	23.2	22.1	21.0
92.5°	24.9	25.1	25.3	25.6	25.3	25.1	24.9	24.6	24.2	23.6	23.1
95°	41.4	41.2	40.9	40.8	40.9	41.2	41.4	41.6	41.2	40.1	39.1
97.5°	53.7	53.9	54.1	54.4	54.1	53.9	53.7	53.4	52.9	52.0	51.2
100°	62.2	62.7	63.1	63.5	63.1	62.7	62.2	61.8	60.8	59.1	57.4
102.5°	66.3	66.9	67.5	68.0	67.5	66.9	66.3	65.7	64.3	62.2	59.9
105°	69.6	70.4	71.2	72.1	71.2	70.4	69.6	68.7	67.1	64.7	62.4
107.5°	71.6	72.4	73.3	74.1	73.3	72.4	71.6	70.8	71.5	73.8	76.2
110°	72.3	73.2	74.0	74.9	74.0	73.2	72.3	71.5	81.6	102.7	123.8

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CATALOG NUMBER: SA2XXRDIP-C290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	73.7	74.3	75.0	75.6	75.0	74.3	73.7	72.9	111.0	187.9	264.7
115°	123.2	108.1	92.9	77.8	92.9	108.1	123.2	138.4	194.7	292.3	389.8
117.5°	466.9	417.1	367.2	317.4	367.2	417.1	466.9	516.7	553.5	577.0	600.7
120°	663.5	635.1	606.6	578.3	606.6	635.1	663.5	692.0	705.0	702.4	699.9
122.5°	738.2	732.6	727.1	721.6	727.1	732.6	738.2	743.6	745.6	744.1	742.6
125°	808.6	809.2	809.9	810.5	809.9	809.2	808.6	808.0	806.9	805.4	804.0
127.5°	866.2	866.4	866.5	866.6	866.5	866.4	866.2	866.1	865.0	862.8	860.7
130°	902.1	901.9	901.7	901.5	901.7	901.9	902.1	902.3	901.3	898.9	896.6
132.5°	936.2	936.0	935.9	935.6	935.9	936.0	936.2	936.5	935.6	933.6	931.6
135°	986.1	985.7	985.3	984.9	985.3	985.7	986.1	986.6	985.7	983.6	981.5
137.5°	1032.0	1031.3	1030.6	1029.8	1030.6	1031.3	1032.0	1032.7	1032.0	1029.9	1027.9
140°	1061.0	1060.0	1058.9	1057.9	1058.9	1060.0	1061.0	1062.1	1061.7	1059.8	1057.9
142.5°	1088.3	1087.3	1086.3	1085.2	1086.3	1087.3	1088.3	1089.4	1089.0	1087.4	1085.6
145°	1126.5	1125.4	1124.4	1123.3	1124.4	1125.4	1126.5	1127.5	1127.3	1125.8	1124.4
147.5°	1159.5	1158.6	1157.7	1156.8	1157.7	1158.6	1159.5	1160.4	1160.3	1159.2	1158.1
150°	1180.4	1179.5	1178.4	1177.3	1178.4	1179.5	1180.4	1181.5	1181.4	1180.2	1178.9
152.5°	1198.9	1197.6	1196.1	1194.8	1196.1	1197.6	1198.9	1200.3	1200.4	1199.2	1197.8
155°	1224.1	1222.4	1220.8	1219.1	1220.8	1222.4	1224.1	1225.7	1226.0	1224.8	1223.4
157.5°	1246.2	1244.5	1242.9	1241.2	1242.9	1244.5	1246.2	1247.8	1247.9	1246.4	1245.0
160°	1258.6	1257.0	1255.6	1254.1	1255.6	1257.0	1258.6	1260.0	1260.1	1258.8	1257.6
162.5°	1270.2	1268.4	1266.5	1264.7	1266.5	1268.4	1270.2	1271.9	1272.2	1270.7	1269.3
165°	1285.0	1283.6	1282.1	1280.7	1282.1	1283.6	1285.0	1286.6	1286.6	1285.0	1283.6
167.5°	1296.4	1294.5	1292.6	1290.7	1292.6	1294.5	1296.4	1298.2	1298.5	1297.0	1295.6
170°	1302.4	1300.6	1298.7	1296.7	1298.7	1300.6	1302.4	1304.3	1304.6	1303.1	1301.6
172.5°	1307.0	1305.1	1303.2	1301.3	1303.2	1305.1	1307.0	1308.9	1309.1	1307.6	1306.2
175°	1311.6	1309.5	1307.4	1305.3	1307.4	1309.5	1311.6	1313.8	1314.0	1312.6	1311.1
177.5°	1312.3	1310.8	1309.3	1307.8	1309.3	1310.8	1312.3	1313.8	1314.0	1312.8	1311.6
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

TEST NUMBER: P331639-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	560.6	562.8	566.2	568.2	571.4	573.5	574.7	576.8	577.9	582.0	586.2
5°	529.2	532.5	538.1	543.4	549.1	555.0	559.3	564.1	568.6	576.2	584.3
7.5°	493.4	497.8	506.7	515.1	525.0	533.2	540.6	548.8	556.2	567.3	578.8
10°	466.5	474.4	485.9	493.8	506.8	515.1	526.6	535.7	546.1	560.7	573.6
12.5°	443.3	452.8	462.1	473.1	484.7	498.6	511.2	523.0	535.2	550.3	565.5
15°	401.3	415.0	429.4	440.6	456.4	470.9	485.7	501.5	516.5	534.6	554.4
17.5°	347.1	363.1	387.3	406.4	424.9	439.5	457.9	477.0	494.6	516.4	538.5
20°	322.7	334.4	350.8	376.6	404.5	420.1	438.7	459.8	480.0	503.7	527.4
22.5°	303.1	313.5	326.6	346.7	377.9	399.2	418.7	440.1	463.5	487.7	514.0
25°	275.1	282.3	296.1	312.4	333.8	368.8	390.1	411.6	437.1	463.1	493.0
27.5°	254.0	260.6	269.6	285.0	301.0	326.2	360.0	383.4	408.8	438.0	469.1
30°	238.0	245.7	255.7	266.5	284.0	303.6	337.4	364.6	389.7	419.7	452.9
32.5°	226.3	232.4	240.9	252.0	266.4	285.3	312.4	345.3	369.8	401.4	436.0
35°	207.2	214.3	221.1	231.8	243.4	260.6	281.2	316.4	340.7	371.8	406.7
37.5°	191.5	195.8	203.4	211.8	224.2	237.0	254.8	286.3	312.6	343.2	378.9
40°	179.5	184.9	190.6	199.9	210.1	222.4	239.8	263.3	293.5	323.5	358.3
42.5°	167.8	174.7	180.7	187.0	198.0	210.4	224.6	244.5	275.4	303.7	337.6
45°	153.7	158.2	164.4	171.4	180.5	191.0	203.6	221.0	250.6	275.1	306.8
47.5°	137.4	143.9	148.0	154.7	163.4	173.4	185.1	200.2	224.1	247.1	276.6
50°	126.2	132.9	138.8	144.8	152.5	162.2	172.0	186.5	205.8	229.9	257.4
52.5°	116.6	122.5	128.2	134.3	141.9	150.7	160.0	172.8	189.2	211.4	238.2
55°	103.5	107.2	113.1	119.1	125.8	134.3	143.2	153.9	168.1	186.7	208.4
57.5°	90.1	94.3	98.9	105.0	111.8	118.3	126.4	136.1	147.2	164.1	182.6
60°	82.5	85.7	89.5	95.8	102.1	108.0	115.7	123.8	134.3	148.9	164.7
62.5°	74.0	77.1	80.6	86.1	92.2	97.6	104.3	112.9	121.8	135.1	148.9
65°	59.9	64.4	67.9	72.7	77.8	83.5	88.7	95.6	103.5	114.0	126.4
67.5°	49.7	52.0	55.2	59.6	64.7	69.6	74.6	80.0	86.9	95.0	104.8
70°	45.2	46.0	46.5	50.8	55.7	60.5	65.2	70.3	76.2	82.8	91.3
72.5°	39.9	40.7	41.4	43.2	47.1	52.0	56.8	60.5	66.1	71.7	78.6
75°	31.6	32.8	33.4	34.4	35.8	39.1	43.5	47.2	50.5	54.7	60.2
77.5°	24.1	24.8	25.4	26.5	27.4	28.8	31.4	34.6	37.7	40.1	43.9
80°	19.1	19.3	20.1	20.4	21.7	22.6	23.9	26.6	29.6	30.6	33.3
82.5°	14.4	14.5	15.2	15.6	16.1	17.0	18.5	19.3	21.7	23.0	24.6
85°	7.9	7.7	8.3	8.3	8.7	9.1	9.5	10.5	11.1	12.8	13.2
87.5°	6.4	6.2	6.1	5.7	5.4	5.4	5.1	4.8	4.6	4.7	4.9
90°	20.0	19.0	17.3	15.6	13.9	12.2	10.3	7.9	5.6	3.3	1.0
92.5°	22.6	22.0	21.1	20.3	19.4	18.6	18.3	18.5	18.7	18.9	19.2
95°	38.0	37.0	35.5	34.1	32.5	31.0	33.8	40.8	47.7	54.7	61.6
97.5°	50.3	49.5	46.1	42.6	39.2	35.8	44.0	63.5	83.1	102.7	122.3
100°	55.7	54.0	50.5	46.9	43.2	39.7	52.3	81.2	110.0	138.9	167.8
102.5°	57.8	55.6	85.5	115.5	145.4	175.4	193.4	199.5	205.6	211.7	217.8
105°	60.1	57.8	115.3	172.8	230.3	287.8	313.4	307.1	300.8	294.5	288.2
107.5°	78.6	81.0	149.9	218.9	287.8	356.9	388.8	383.6	378.5	373.4	368.4
110°	144.8	165.9	226.8	287.7	348.5	409.4	437.7	433.2	428.8	424.4	419.9

TEST NUMBER: P331639-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	341.6	418.4	433.5	448.5	463.5	478.6	484.1	480.2	476.3	472.4	468.5
115°	487.3	584.9	579.6	574.4	569.1	563.8	559.4	555.8	552.2	548.7	545.1
117.5°	624.2	647.8	644.2	640.6	636.9	633.3	629.5	625.5	621.5	617.5	613.5
120°	697.3	694.8	691.1	687.2	683.5	679.7	676.2	673.1	669.9	666.7	663.5
122.5°	741.1	739.6	735.5	731.3	727.2	723.1	719.3	716.0	712.7	709.4	706.1
125°	802.5	801.0	797.0	793.0	789.0	785.0	781.6	778.9	776.1	773.4	770.7
127.5°	858.5	856.4	853.4	850.3	847.4	844.4	841.4	838.4	835.4	832.3	829.3
130°	894.3	892.0	889.7	887.3	885.0	882.7	879.9	876.6	873.2	869.8	866.4
132.5°	929.6	927.6	925.3	923.0	920.7	918.4	915.8	912.9	910.1	907.2	904.3
135°	979.5	977.3	975.4	973.5	971.6	969.7	967.1	963.8	960.4	957.0	953.6
137.5°	1025.8	1023.8	1021.6	1019.5	1017.4	1015.1	1012.9	1010.6	1008.2	1005.8	1003.4
140°	1056.0	1054.1	1051.8	1049.5	1047.1	1044.8	1042.9	1041.2	1039.5	1037.8	1036.1
142.5°	1083.9	1082.2	1079.5	1076.8	1074.2	1071.6	1069.4	1067.9	1066.4	1064.9	1063.4
145°	1122.8	1121.4	1117.8	1114.2	1110.6	1107.1	1105.4	1105.6	1105.8	1106.0	1106.3
147.5°	1157.0	1155.9	1152.4	1148.8	1145.3	1141.7	1140.4	1141.2	1142.0	1142.8	1143.6
150°	1177.7	1176.3	1173.0	1169.7	1166.3	1162.9	1162.0	1163.4	1164.9	1166.4	1167.9
152.5°	1196.6	1195.3	1192.1	1188.9	1185.7	1182.5	1181.8	1183.4	1185.0	1186.7	1188.3
155°	1222.2	1220.9	1218.4	1215.8	1213.4	1210.9	1210.5	1212.4	1214.3	1216.2	1218.1
157.5°	1243.6	1242.2	1240.4	1238.6	1236.9	1235.1	1235.0	1236.6	1238.2	1239.8	1241.4
160°	1256.3	1255.1	1253.8	1252.5	1251.2	1250.0	1250.0	1251.2	1252.5	1253.8	1255.1
162.5°	1267.8	1266.4	1265.3	1264.3	1263.1	1262.0	1262.1	1263.4	1264.6	1266.0	1267.2
165°	1282.1	1280.7	1280.1	1279.4	1278.7	1278.1	1278.4	1279.7	1280.9	1282.2	1283.5
167.5°	1294.1	1292.6	1292.0	1291.4	1290.8	1290.2	1290.6	1291.8	1293.1	1294.4	1295.7
170°	1300.1	1298.7	1298.2	1297.8	1297.4	1297.0	1297.4	1298.7	1299.9	1301.2	1302.4
172.5°	1304.7	1303.2	1302.8	1302.3	1302.0	1301.5	1302.0	1303.2	1304.5	1305.7	1307.0
175°	1309.7	1308.1	1307.7	1307.3	1306.9	1306.4	1307.0	1308.5	1309.9	1311.4	1312.9
177.5°	1310.5	1309.3	1309.1	1308.9	1308.8	1308.6	1309.1	1310.3	1311.4	1312.7	1313.8
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	586.4	586.8	590.0	591.6	594.4	595.6	596.9	596.6	596.6	597.2	601.7
5°	587.6	591.7	597.7	603.6	609.3	614.1	617.4	620.6	621.9	627.7	632.9
7.5°	585.5	593.0	603.0	612.0	622.7	631.1	638.0	644.4	648.6	657.2	665.9
10°	582.7	593.3	604.6	616.2	631.0	642.1	653.4	662.2	664.9	677.7	685.0
12.5°	577.2	591.3	605.7	620.7	635.2	650.5	663.0	671.7	681.7	693.1	706.6
15°	569.0	585.1	604.0	623.2	643.9	662.5	675.9	691.1	702.0	714.6	726.4
17.5°	557.1	578.0	601.9	624.2	648.1	668.1	686.5	701.1	708.7	716.0	717.6
20°	547.7	570.2	598.3	624.6	648.5	671.6	689.9	702.0	704.1	704.3	693.6
22.5°	537.5	562.9	592.4	619.3	647.9	673.6	687.8	692.9	684.9	671.2	650.4
25°	518.7	548.1	582.4	613.1	644.4	668.6	673.5	664.4	636.2	606.6	569.2
27.5°	498.4	531.5	568.1	602.4	635.6	650.7	640.2	607.3	556.6	512.5	459.1
30°	483.5	520.6	556.6	594.9	625.7	632.1	608.1	559.6	500.5	434.1	380.8
32.5°	466.5	505.3	544.9	584.5	610.3	604.0	564.2	504.5	435.2	369.9	319.6
35°	442.2	482.2	525.0	564.7	581.1	553.8	494.2	416.6	345.7	284.8	250.1
37.5°	414.1	457.8	502.2	538.7	537.5	492.0	410.8	330.7	271.2	235.1	210.4
40°	394.1	438.4	486.3	517.1	504.0	444.6	356.7	281.2	237.6	208.8	190.8
42.5°	375.1	419.4	467.1	491.5	468.6	395.7	308.1	248.9	212.9	190.6	175.9
45°	342.5	389.3	433.5	447.0	406.1	325.7	249.1	206.2	182.3	165.7	155.6
47.5°	310.7	356.8	397.1	397.3	342.0	264.1	210.2	178.4	158.0	145.2	137.9
50°	291.2	335.0	368.8	363.6	300.8	235.0	188.0	160.6	143.7	133.7	126.0
52.5°	269.4	311.8	341.2	326.2	265.9	206.8	168.0	145.1	131.0	122.3	115.5
55°	237.6	275.3	296.0	273.2	217.0	172.0	142.0	123.9	113.4	106.1	100.2
57.5°	206.3	237.5	250.4	224.0	178.7	142.6	120.1	106.6	96.1	90.9	87.8
60°	186.7	213.3	222.4	193.2	155.3	124.8	106.4	93.8	86.1	82.7	79.6
62.5°	167.5	189.1	192.9	166.2	135.5	109.2	93.4	82.8	77.7	74.4	71.5
65°	138.9	154.5	152.8	131.3	107.2	86.7	75.2	68.7	64.8	60.2	55.1
67.5°	114.4	123.9	118.2	102.1	81.8	67.4	59.8	54.9	50.1	45.7	44.6
70°	98.8	104.3	98.3	83.5	67.1	56.5	50.5	44.6	41.7	40.8	38.9
72.5°	83.9	85.9	79.3	66.6	54.6	46.8	40.8	37.6	36.0	35.2	34.1
75°	63.0	61.6	55.9	46.0	37.9	32.6	30.8	29.6	28.5	27.7	27.1
77.5°	44.2	42.2	37.1	30.6	26.4	23.9	22.7	22.1	21.7	21.2	20.6
80°	33.3	31.8	26.8	21.8	20.1	18.8	18.2	17.4	17.4	17.0	16.4
82.5°	24.3	22.7	18.3	16.1	15.1	14.3	13.8	13.4	13.2	13.3	12.8
85°	12.8	10.3	9.1	8.7	8.1	7.7	7.9	7.5	7.5	7.5	7.3
87.5°	4.5	4.2	4.5	4.8	5.4	5.7	5.9	6.2	6.7	6.8	7.1
90°	3.3	5.6	7.9	10.3	12.2	13.9	15.6	17.3	19.0	20.0	21.0
92.5°	18.9	18.7	18.5	18.3	18.6	19.4	20.3	21.1	22.0	22.6	23.1
95°	54.7	47.7	40.8	33.8	31.0	32.5	34.1	35.5	37.0	38.0	39.1
97.5°	102.7	83.1	63.5	44.0	35.8	39.2	42.6	46.1	49.5	50.3	51.2
100°	138.9	110.0	81.2	52.3	39.7	43.2	46.9	50.5	54.0	55.7	57.4
102.5°	211.7	205.6	199.5	193.4	175.4	145.4	115.5	85.5	55.6	57.8	59.9
105°	294.5	300.8	307.1	313.4	287.8	230.3	172.8	115.3	57.8	60.1	62.4
107.5°	373.4	378.5	383.6	388.8	356.9	287.8	218.9	149.9	81.0	78.6	76.2
110°	424.4	428.8	433.2	437.7	409.4	348.5	287.7	226.8	165.9	144.8	123.8

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	472.4	476.3	480.2	484.1	478.6	463.5	448.5	433.5	418.4	341.6	264.7
115°	548.7	552.2	555.8	559.4	563.8	569.1	574.4	579.6	584.9	487.3	389.8
117.5°	617.5	621.5	625.5	629.5	633.3	636.9	640.6	644.2	647.8	624.2	600.7
120°	666.7	669.9	673.1	676.2	679.7	683.5	687.2	691.1	694.8	697.3	699.9
122.5°	709.4	712.7	716.0	719.3	723.1	727.2	731.3	735.5	739.6	741.1	742.6
125°	773.4	776.1	778.9	781.6	785.0	789.0	793.0	797.0	801.0	802.5	804.0
127.5°	832.3	835.4	838.4	841.4	844.4	847.4	850.3	853.4	856.4	858.5	860.7
130°	869.8	873.2	876.6	879.9	882.7	885.0	887.3	889.7	892.0	894.3	896.6
132.5°	907.2	910.1	912.9	915.8	918.4	920.7	923.0	925.3	927.6	929.6	931.6
135°	957.0	960.4	963.8	967.1	969.7	971.6	973.5	975.4	977.3	979.5	981.5
137.5°	1005.8	1008.2	1010.6	1012.9	1015.1	1017.4	1019.5	1021.6	1023.8	1025.8	1027.9
140°	1037.8	1039.5	1041.2	1042.9	1044.8	1047.1	1049.5	1051.8	1054.1	1056.0	1057.9
142.5°	1064.9	1066.4	1067.9	1069.4	1071.6	1074.2	1076.8	1079.5	1082.2	1083.9	1085.6
145°	1106.0	1105.8	1105.6	1105.4	1107.1	1110.6	1114.2	1117.8	1121.4	1122.8	1124.4
147.5°	1142.8	1142.0	1141.2	1140.4	1141.7	1145.3	1148.8	1152.4	1155.9	1157.0	1158.1
150°	1166.4	1164.9	1163.4	1162.0	1162.9	1166.3	1169.7	1173.0	1176.3	1177.7	1178.9
152.5°	1186.7	1185.0	1183.4	1181.8	1182.5	1185.7	1188.9	1192.1	1195.3	1196.6	1197.8
155°	1216.2	1214.3	1212.4	1210.5	1210.9	1213.4	1215.8	1218.4	1220.9	1222.2	1223.4
157.5°	1239.8	1238.2	1236.6	1235.0	1235.1	1236.9	1238.6	1240.4	1242.2	1243.6	1245.0
160°	1253.8	1252.5	1251.2	1250.0	1250.0	1251.2	1252.5	1253.8	1255.1	1256.3	1257.6
162.5°	1266.0	1264.6	1263.4	1262.1	1262.0	1263.1	1264.3	1265.3	1266.4	1267.8	1269.3
165°	1282.2	1280.9	1279.7	1278.4	1278.1	1278.7	1279.4	1280.1	1280.7	1282.1	1283.6
167.5°	1294.4	1293.1	1291.8	1290.6	1290.2	1290.8	1291.4	1292.0	1292.6	1294.1	1295.6
170°	1301.2	1299.9	1298.7	1297.4	1297.0	1297.4	1297.8	1298.2	1298.7	1300.1	1301.6
172.5°	1305.7	1304.5	1303.2	1302.0	1301.5	1302.0	1302.3	1302.8	1303.2	1304.7	1306.2
175°	1311.4	1309.9	1308.5	1307.0	1306.4	1306.9	1307.3	1307.7	1308.1	1309.7	1311.1
177.5°	1312.7	1311.4	1310.3	1309.1	1308.6	1308.8	1308.9	1309.1	1309.3	1310.5	1311.6
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	582.9	582.9	582.9	582.9	582.9	582.9	582.9
2.5°	603.3	605.5	606.5	606.5	607.6	607.1	606.6
5°	638.0	641.9	642.7	646.3	649.0	648.2	648.5
7.5°	672.5	678.7	684.8	687.6	688.0	689.6	690.3
10°	693.8	698.8	708.3	706.9	714.0	718.1	711.4
12.5°	714.2	721.0	727.6	729.4	733.4	734.8	732.1
15°	732.6	736.3	736.6	735.7	736.9	735.8	732.0
17.5°	715.4	709.4	697.5	691.8	687.3	680.6	678.0
20°	686.9	669.4	649.2	641.1	631.6	613.0	617.4
22.5°	625.3	605.5	585.1	561.5	550.2	532.5	531.5
25°	529.5	495.3	457.5	431.2	415.8	398.2	390.5
27.5°	411.7	368.5	337.7	322.1	307.8	293.9	293.3
30°	334.2	301.8	277.9	264.6	255.8	249.9	251.2
32.5°	281.7	259.5	243.3	232.3	225.9	221.4	221.3
35°	230.3	215.1	204.7	200.1	195.5	192.3	192.4
37.5°	197.1	188.0	182.2	177.1	174.2	172.5	171.7
40°	180.0	172.5	168.1	165.1	162.6	160.4	160.0
42.5°	166.7	160.4	156.0	153.6	151.3	149.7	149.4
45°	147.8	142.8	138.8	136.1	135.1	133.7	133.7
47.5°	131.5	126.5	123.4	121.7	120.0	119.0	119.0
50°	120.6	116.6	113.9	112.8	111.4	110.8	110.6
52.5°	110.7	107.7	105.8	105.0	104.4	103.7	103.8
55°	97.2	95.6	94.8	94.2	93.2	91.9	92.7
57.5°	86.0	84.5	82.4	80.4	79.5	78.6	79.0
60°	78.0	75.2	72.3	70.1	69.5	67.7	67.7
62.5°	67.9	63.9	60.5	59.2	58.6	57.8	57.6
65°	52.3	50.6	49.8	49.0	48.6	48.6	48.2
67.5°	43.3	42.6	41.7	41.6	41.2	41.0	40.9
70°	38.3	37.5	37.1	36.8	36.5	36.6	36.0
72.5°	33.4	32.8	32.7	32.2	31.9	31.9	31.5
75°	26.3	26.3	26.1	25.9	25.5	25.3	25.5
77.5°	20.2	20.3	20.0	19.9	19.9	19.9	19.7
80°	16.2	16.4	16.2	16.0	15.8	16.0	15.8
82.5°	12.8	12.5	12.5	12.4	12.4	12.3	12.2
85°	7.3	7.5	7.3	7.1	7.1	7.1	7.3
87.5°	7.2	7.4	7.6	7.6	7.7	7.8	7.7
90°	22.1	23.2	23.9	24.3	24.8	25.1	25.6
92.5°	23.6	24.2	24.6	24.9	25.1	25.3	25.6
95°	40.1	41.2	41.6	41.4	41.2	40.9	40.8
97.5°	52.0	52.9	53.4	53.7	53.9	54.1	54.4
100°	59.1	60.8	61.8	62.2	62.7	63.1	63.5
102.5°	62.2	64.3	65.7	66.3	66.9	67.5	68.0
105°	64.7	67.1	68.7	69.6	70.4	71.2	72.1
107.5°	73.8	71.5	70.8	71.6	72.4	73.3	74.1
110°	102.7	81.6	71.5	72.3	73.2	74.0	74.9

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	187.9	111.0	72.9	73.7	74.3	75.0	75.6
115°	292.3	194.7	138.4	123.2	108.1	92.9	77.8
117.5°	577.0	553.5	516.7	466.9	417.1	367.2	317.4
120°	702.4	705.0	692.0	663.5	635.1	606.6	578.3
122.5°	744.1	745.6	743.6	738.2	732.6	727.1	721.6
125°	805.4	806.9	808.0	808.6	809.2	809.9	810.5
127.5°	862.8	865.0	866.1	866.2	866.4	866.5	866.6
130°	898.9	901.3	902.3	902.1	901.9	901.7	901.5
132.5°	933.6	935.6	936.5	936.2	936.0	935.9	935.6
135°	983.6	985.7	986.6	986.1	985.7	985.3	984.9
137.5°	1029.9	1032.0	1032.7	1032.0	1031.3	1030.6	1029.8
140°	1059.8	1061.7	1062.1	1061.0	1060.0	1058.9	1057.9
142.5°	1087.4	1089.0	1089.4	1088.3	1087.3	1086.3	1085.2
145°	1125.8	1127.3	1127.5	1126.5	1125.4	1124.4	1123.3
147.5°	1159.2	1160.3	1160.4	1159.5	1158.6	1157.7	1156.8
150°	1180.2	1181.4	1181.5	1180.4	1179.5	1178.4	1177.3
152.5°	1199.2	1200.4	1200.3	1198.9	1197.6	1196.1	1194.8
155°	1224.8	1226.0	1225.7	1224.1	1222.4	1220.8	1219.1
157.5°	1246.4	1247.9	1247.8	1246.2	1244.5	1242.9	1241.2
160°	1258.8	1260.1	1260.0	1258.6	1257.0	1255.6	1254.1
162.5°	1270.7	1272.2	1271.9	1270.2	1268.4	1266.5	1264.7
165°	1285.0	1286.6	1286.6	1285.0	1283.6	1282.1	1280.7
167.5°	1297.0	1298.5	1298.2	1296.4	1294.5	1292.6	1290.7
170°	1303.1	1304.6	1304.3	1302.4	1300.6	1298.7	1296.7
172.5°	1307.6	1309.1	1308.9	1307.0	1305.1	1303.2	1301.3
175°	1312.6	1314.0	1313.8	1311.6	1309.5	1307.4	1305.3
177.5°	1312.8	1314.0	1313.8	1312.3	1310.8	1309.3	1307.8
180°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0

(END OF REPORT)