

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: P332264-940

Luminaire Tested: **S123RDIP-S340D1195U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332264-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S340D1195U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1195 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5464.6 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

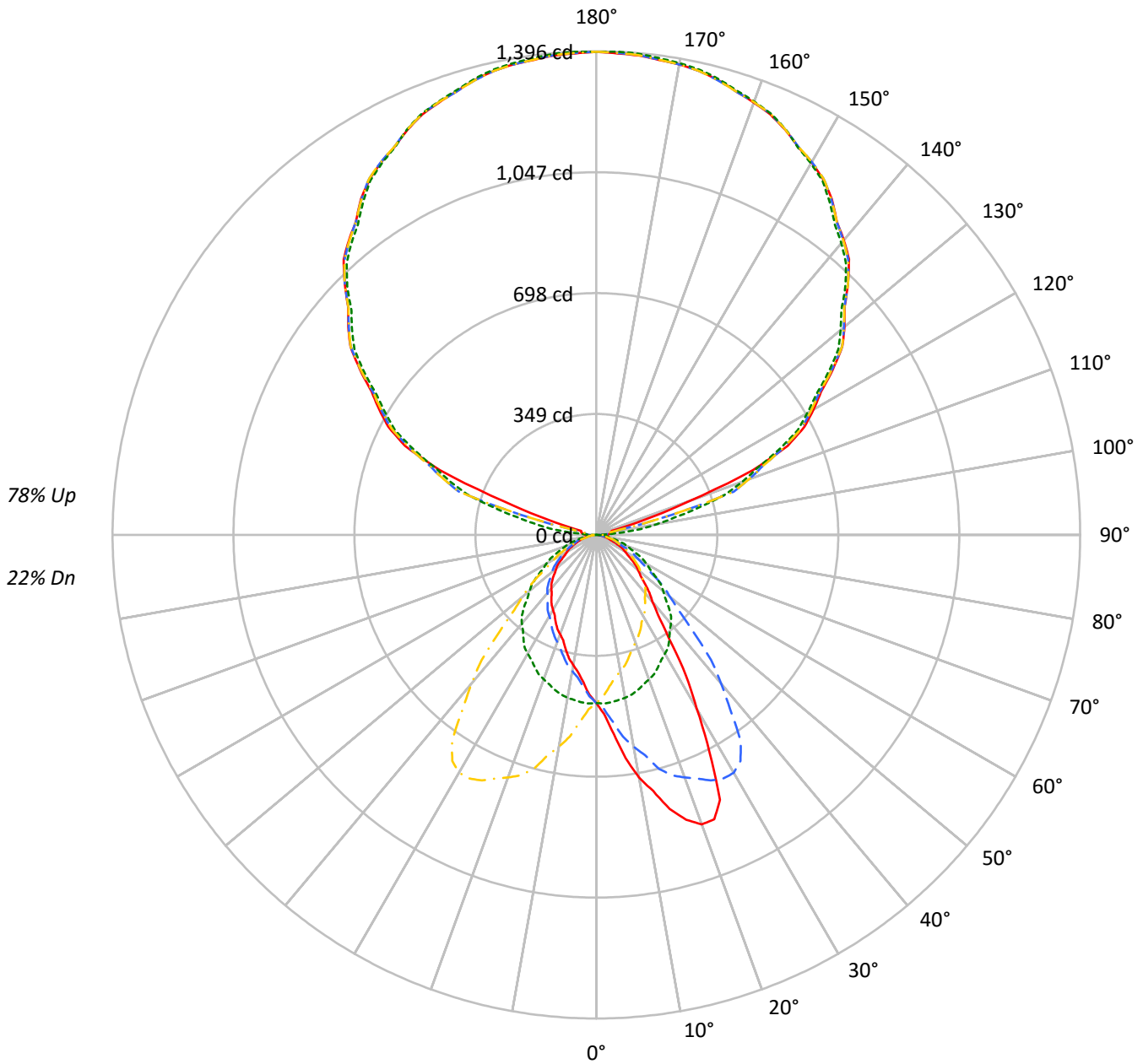
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - · 135°-315°



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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	101	101	101	101	89	89	89	89	68	68	68	48	48	48	31	31	31	22
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	27	27	26	19
2	84	77	71	66	74	68	64	60	53	49	47	38	36	34	24	23	22	16
3	76	68	61	55	68	60	55	50	46	43	39	34	31	29	22	20	19	14
4	70	60	53	47	62	53	47	42	41	37	34	30	27	25	20	18	17	12
5	64	53	46	40	57	48	41	36	37	32	29	27	24	22	18	16	15	11
6	59	48	40	35	52	43	36	32	33	29	25	24	21	19	16	14	13	10
7	55	43	36	30	48	39	32	28	30	26	22	22	19	17	15	13	12	9
8	50	39	32	27	45	35	29	24	27	23	20	20	17	15	14	12	10	8
9	47	35	28	24	42	32	26	21	25	21	17	19	16	13	13	11	9	7
10	44	32	25	21	39	29	23	19	23	19	16	17	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5224	5224	5224	5224
5°	6227	5246	4620	5246
10°	7774	5216	4173	5216
15°	9126	5162	3806	5162
20°	10186	5082	3494	5082
25°	10023	4999	3301	4999
30°	7204	4922	3104	4922
35°	4809	4820	2975	4820
40°	3544	4700	2843	4700
45°	2973	4488	2714	4488
50°	2624	4210	2532	4210
55°	2301	3890	2284	3890
60°	2047	3587	2093	3587
65°	1798	3260	1946	3260
70°	1413	2968	1778	2968
75°	1243	2591	1626	2591
80°	1085	2201	1599	2201
85°	865	1778	1692	1778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	0.9
10°-20°	149.1	2.7
20°-30°	234.2	4.3
30°-40°	244.4	4.5
40°-50°	209.1	3.8
50°-60°	159.4	2.9
60°-70°	102.2	1.9
70°-80°	49.1	0.9
80°-90°	16.9	0.3
90°-100°	50.7	0.9
100°-110°	241.6	4.4
110°-120°	580.4	10.6
120°-130°	739.1	13.5
130°-140°	789.7	14.5
140°-150°	738.4	13.5
150°-160°	595.6	10.9
160°-170°	384.4	7.0
170°-180°	132.5	2.4
0°-30°	431.1	7.9
0°-40°	675.4	12.4
0°-60°	1044.0	19.1
0°-90°	1212.2	22.2
90°-120°	872.7	16.0
90°-150°	3139.9	57.5
90°-180°	4252.0	77.8
0°-180°	5464.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	576	486	428	486	576	59
15°	819	463	342	463	819	232
25°	844	421	278	421	844	363
35°	366	367	226	367	366	240
45°	195	295	178	295	195	154
55°	123	207	122	207	123	111
65°	71	128	76	128	71	69
75°	30	62	39	62	30	32
85°	7	14	14	14	7	9
90°	31	1	31	1	31	14
95°	39	63	39	63	39	33
105°	46	309	46	309	46	104
115°	609	579	609	579	609	563
125°	833	816	833	816	833	744
135°	1027	1016	1027	1016	1027	792
145°	1184	1173	1184	1173	1184	739
155°	1290	1292	1290	1292	1290	595
165°	1359	1362	1359	1362	1359	384
175°	1389	1394	1389	1394	1389	132
180°	1394	1394	1394	1394	1394	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	516.9	517.5	515.4	515.1	512.6	511.9	511.9	508.4	506.2	503.5	501.8
5°	576.3	579.6	577.9	574.3	568.0	566.5	562.6	556.3	549.3	540.6	536.5
7.5°	650.5	655.1	653.3	647.6	641.0	635.7	624.6	614.2	599.8	587.0	576.1
10°	711.3	706.6	702.8	697.2	691.2	681.4	669.8	653.8	635.3	620.7	604.6
12.5°	756.9	756.1	751.4	745.6	737.1	727.8	713.5	694.0	672.5	651.5	632.9
15°	818.9	820.2	817.1	811.1	799.0	782.6	761.0	752.9	722.1	699.3	676.5
17.5°	861.9	861.7	861.2	852.9	840.6	828.9	808.9	787.6	759.7	727.5	696.8
20°	889.2	887.1	887.5	878.2	869.1	855.5	836.0	805.0	782.2	745.0	713.2
22.5°	888.5	888.1	889.7	886.4	879.9	869.5	854.1	828.0	798.8	761.3	725.5
25°	843.9	842.2	851.9	854.7	865.3	867.2	862.6	848.3	820.6	781.9	737.7
27.5°	706.2	705.3	723.4	746.2	774.9	797.3	818.9	829.3	820.6	792.9	748.6
30°	579.6	599.1	608.3	641.1	677.7	721.3	759.6	795.9	804.9	792.7	756.4
32.5°	481.3	498.3	506.0	534.0	568.2	619.3	676.6	728.1	764.5	773.6	751.8
35°	366.0	366.2	383.7	396.2	427.8	480.3	536.0	604.9	673.5	725.5	730.8
37.5°	292.1	293.1	303.7	316.1	339.8	367.6	416.6	473.9	553.1	632.8	679.7
40°	252.2	254.0	262.0	274.2	291.2	312.3	350.4	404.5	470.6	559.3	631.8
42.5°	226.6	229.6	233.7	243.2	253.7	273.4	304.3	346.0	406.1	490.0	573.6
45°	195.3	197.0	200.1	204.5	214.0	227.7	248.4	276.5	326.4	393.9	477.6
47.5°	172.3	171.4	174.7	178.2	184.6	193.9	207.9	230.7	266.3	320.5	391.5
50°	156.7	156.4	158.7	161.4	167.5	174.3	185.7	203.0	231.2	276.1	341.2
52.5°	142.0	142.8	144.5	147.8	152.1	157.7	167.9	180.4	204.6	243.3	297.6
55°	122.6	123.2	125.5	127.3	130.5	136.1	142.5	152.9	169.5	196.5	241.2
57.5°	106.1	105.8	108.0	108.5	112.0	116.5	121.5	129.7	141.7	161.8	191.8
60°	95.1	94.5	96.4	97.8	99.7	103.4	107.6	115.5	125.1	139.8	165.6
62.5°	85.2	84.9	86.2	87.7	89.3	92.6	96.1	102.2	109.8	122.2	142.7
65°	70.6	71.2	71.9	72.5	73.3	75.4	78.7	82.9	88.1	96.8	111.6
67.5°	55.6	56.2	56.4	57.6	59.4	60.7	62.8	66.4	70.1	77.4	85.8
70°	44.9	44.7	44.9	45.5	47.8	50.0	52.8	55.5	57.8	63.0	70.0
72.5°	38.5	38.2	38.7	38.9	39.9	40.6	42.3	44.9	47.8	51.3	56.4
75°	29.9	29.9	29.9	29.9	30.8	31.1	31.7	32.4	33.4	35.1	38.9
77.5°	22.1	22.1	22.5	22.6	22.8	23.1	23.5	24.1	24.4	25.3	26.9
80°	17.5	17.7	17.5	17.7	17.7	18.1	18.3	18.9	19.1	20.2	20.8
82.5°	13.1	13.0	13.1	13.4	13.4	13.7	13.8	14.3	14.3	14.8	15.4
85°	7.0	6.7	7.0	6.9	7.3	6.9	7.0	7.5	7.5	7.7	8.6
87.5°	7.8	8.1	7.7	7.8	7.7	7.7	7.5	7.3	7.5	7.1	6.7
90°	31.1	30.6	30.1	29.7	29.2	28.5	27.6	26.7	25.8	24.9	21.8
92.5°	34.4	34.2	33.9	33.5	33.3	32.5	30.9	29.4	28.0	26.5	24.3
95°	39.3	39.3	39.3	39.3	39.3	38.5	36.9	35.3	33.7	32.1	29.6
97.5°	42.7	42.4	42.3	42.0	41.7	40.8	38.9	37.0	35.2	33.3	49.9
100°	43.5	43.2	43.1	42.8	42.6	41.6	39.7	37.9	36.0	34.2	70.1
102.5°	44.3	44.0	43.5	43.1	42.7	45.3	51.0	56.7	62.4	68.1	107.4
105°	45.6	45.1	44.7	44.2	43.8	63.8	104.6	145.3	186.1	226.9	247.6
107.5°	143.2	173.9	204.6	235.3	266.0	296.3	326.2	356.1	385.9	415.9	412.6
110°	284.9	317.8	350.7	383.7	416.6	436.8	444.4	452.0	459.7	467.3	464.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	488.7	495.7	502.7	509.6	516.6	520.0	519.9	519.7	519.6	519.4	516.9
115°	609.1	608.2	607.3	606.4	605.5	603.9	601.5	599.2	597.0	594.7	592.6
117.5°	676.7	676.5	676.4	676.2	676.0	674.9	673.2	671.3	669.4	667.6	666.6
120°	723.1	723.1	723.1	723.1	723.1	722.2	720.3	718.5	716.7	714.8	714.2
122.5°	768.7	768.6	768.3	768.1	767.9	767.2	766.0	764.6	763.4	762.1	761.2
125°	832.9	832.5	832.1	831.5	831.1	830.6	830.2	829.7	829.3	828.8	827.9
127.5°	894.7	895.2	895.6	896.1	896.5	896.3	895.6	894.9	894.2	893.4	892.3
130°	934.5	935.0	935.4	935.9	936.3	936.1	935.1	934.2	933.4	932.4	931.5
132.5°	970.9	971.6	972.2	972.9	973.5	973.4	972.5	971.5	970.6	969.7	968.9
135°	1026.7	1027.3	1028.1	1028.8	1029.5	1029.5	1028.8	1028.1	1027.3	1026.7	1025.7
137.5°	1079.1	1079.6	1080.0	1080.5	1080.9	1080.6	1079.5	1078.4	1077.3	1076.2	1075.7
140°	1110.6	1111.1	1111.5	1112.0	1112.4	1112.2	1111.3	1110.4	1109.5	1108.5	1107.9
142.5°	1139.6	1140.2	1140.9	1141.6	1142.2	1142.1	1141.4	1140.7	1140.0	1139.2	1138.5
145°	1184.1	1184.1	1184.1	1184.1	1184.1	1183.9	1183.5	1183.0	1182.5	1182.1	1181.6
147.5°	1217.3	1218.3	1219.4	1220.5	1221.6	1221.8	1221.4	1220.9	1220.5	1219.9	1219.5
150°	1242.2	1242.9	1243.6	1244.2	1244.9	1245.0	1244.6	1244.1	1243.7	1243.2	1242.8
152.5°	1262.0	1263.1	1264.2	1265.2	1266.3	1266.4	1265.6	1264.7	1263.9	1263.1	1262.8
155°	1289.9	1291.2	1292.6	1294.0	1295.3	1295.5	1294.3	1293.2	1292.0	1290.8	1290.7
157.5°	1313.2	1315.0	1316.8	1318.7	1320.4	1320.6	1319.2	1317.9	1316.5	1315.1	1315.4
160°	1328.1	1329.7	1331.4	1333.0	1334.6	1334.7	1333.3	1331.9	1330.6	1329.2	1329.5
162.5°	1342.2	1343.6	1345.1	1346.5	1347.9	1347.9	1346.3	1344.8	1343.2	1341.6	1341.8
165°	1359.2	1360.8	1362.4	1364.1	1365.7	1365.6	1363.7	1361.9	1360.0	1358.2	1358.4
167.5°	1371.5	1373.3	1375.1	1377.0	1378.9	1378.9	1377.0	1375.1	1373.3	1371.5	1371.5
170°	1378.9	1380.7	1382.6	1384.5	1386.3	1386.3	1384.5	1382.6	1380.7	1378.9	1378.9
172.5°	1383.0	1385.1	1387.1	1389.1	1391.2	1391.2	1389.4	1387.6	1385.7	1383.8	1383.7
175°	1389.3	1391.2	1392.9	1394.8	1396.6	1396.8	1395.2	1393.6	1392.0	1390.3	1390.1
177.5°	1391.2	1392.9	1394.8	1396.7	1398.5	1398.6	1397.2	1395.7	1394.3	1392.8	1392.6
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	501.1	500.6	498.3	495.6	492.1	489.8	487.9	487.0	483.9	480.3	477.9
5°	532.1	525.8	519.2	511.0	503.5	495.9	491.2	485.5	478.7	471.0	465.6
7.5°	565.2	552.9	539.8	526.2	512.8	500.8	490.1	481.0	470.1	459.1	451.4
10°	590.7	572.7	554.3	535.4	518.2	501.9	489.5	477.2	464.1	451.5	441.8
12.5°	613.8	590.2	568.9	545.6	523.6	504.3	486.3	471.9	456.1	442.6	431.8
15°	643.0	618.8	593.2	557.8	528.5	504.0	482.1	463.2	444.2	427.6	417.0
17.5°	670.3	634.1	599.4	570.0	531.9	501.3	474.7	452.1	431.1	413.5	400.4
20°	681.6	646.5	608.9	571.3	534.0	499.6	468.7	443.7	422.0	402.0	389.9
22.5°	688.4	648.7	609.0	568.6	529.0	493.3	462.7	435.2	411.6	392.7	377.8
25°	696.3	649.0	605.4	565.5	525.0	486.3	450.0	420.9	395.4	375.2	359.4
27.5°	701.6	645.9	594.3	550.0	508.9	470.5	437.1	406.3	380.3	359.0	342.1
30°	702.6	643.4	585.9	537.9	496.1	460.7	425.4	396.0	368.5	345.9	330.1
32.5°	703.9	637.2	574.4	523.4	480.6	445.7	413.7	385.5	357.4	335.1	319.0
35°	698.5	633.8	557.0	498.4	455.6	421.7	392.9	366.8	339.3	317.6	301.2
37.5°	674.8	620.4	539.0	470.2	425.4	394.1	370.6	347.9	322.6	299.3	283.8
40°	651.1	607.1	525.0	453.1	406.4	374.2	352.9	334.5	310.0	288.1	271.5
42.5°	615.7	588.9	511.7	435.2	384.8	353.7	335.8	318.5	297.0	274.8	259.2
45°	550.7	554.3	484.5	406.5	354.8	323.7	306.8	294.8	275.7	257.4	241.4
47.5°	469.3	502.3	452.5	376.1	323.3	294.1	279.4	268.9	255.9	238.0	223.4
50°	416.2	463.2	427.0	355.7	303.5	274.5	259.9	251.4	240.1	226.0	212.1
52.5°	367.1	417.8	396.0	332.9	282.0	255.5	241.3	234.3	225.3	212.0	199.5
55°	299.3	350.7	345.7	298.5	249.9	226.0	215.3	207.3	201.3	191.4	181.4
57.5°	242.2	290.8	293.4	260.3	221.6	198.0	188.7	182.7	178.8	171.3	162.0
60°	206.1	250.7	259.5	234.5	201.3	180.6	171.4	166.6	163.5	157.5	150.4
62.5°	176.2	214.2	224.1	206.2	181.9	162.4	155.2	150.7	148.6	143.4	137.1
65°	134.8	166.4	175.9	166.0	153.3	137.8	131.9	128.0	126.1	123.2	118.6
67.5°	101.4	124.4	134.9	127.9	123.2	113.4	109.8	107.6	105.9	104.0	100.1
70°	81.4	98.4	109.2	107.5	103.7	98.4	95.8	94.3	92.6	91.0	87.7
72.5°	65.5	77.2	87.3	88.3	85.2	84.2	81.8	81.1	80.2	78.2	76.3
75°	43.4	51.5	58.6	61.3	62.5	63.6	62.5	62.3	62.2	60.5	59.4
77.5°	28.4	32.8	37.3	41.9	43.9	45.2	45.6	46.4	45.7	44.9	44.4
80°	21.8	22.8	25.9	29.9	33.0	34.2	35.1	35.5	35.3	35.1	34.2
82.5°	15.9	16.7	18.2	21.0	23.5	25.6	26.1	26.0	26.5	26.7	25.9
85°	8.6	8.7	9.2	9.5	11.0	13.3	13.9	14.4	14.7	14.7	13.5
87.5°	6.4	5.7	5.4	4.9	4.9	4.6	5.2	5.5	6.2	6.0	6.4
90°	18.9	15.9	12.9	10.3	7.9	5.6	3.3	1.1	3.3	5.6	7.9
92.5°	22.0	19.8	17.5	16.7	17.3	18.0	18.6	19.3	18.6	18.0	17.3
95°	27.0	24.5	22.0	25.4	34.9	44.3	53.8	63.2	53.8	44.3	34.9
97.5°	66.5	83.1	99.7	110.0	114.3	118.5	122.8	127.0	122.8	118.5	114.3
100°	106.0	142.0	177.8	193.5	188.9	184.3	179.7	175.0	179.7	184.3	188.9
102.5°	146.6	185.8	225.1	243.1	239.7	236.4	233.1	229.8	233.1	236.4	239.7
105°	268.3	289.0	309.8	318.9	316.3	313.8	311.3	308.7	311.3	313.8	316.3
107.5°	409.3	406.1	402.8	400.1	398.1	396.1	394.0	392.0	394.0	396.1	398.1
110°	462.2	459.7	457.1	455.0	453.1	451.2	449.4	447.5	449.4	451.2	453.1



TEST NUMBER: P332264-940

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	514.4	511.8	509.3	507.2	505.6	503.9	502.2	500.6	502.2	503.9	505.6
115°	590.5	588.4	586.4	584.6	583.3	581.8	580.5	579.2	580.5	581.8	583.3
117.5°	665.5	664.4	663.3	662.0	660.3	658.5	656.8	655.1	656.8	658.5	660.3
120°	713.5	712.7	712.1	710.7	708.6	706.6	704.5	702.4	704.5	706.6	708.6
122.5°	760.4	759.5	758.6	757.3	755.5	753.9	752.2	750.5	752.2	753.9	755.5
125°	827.0	826.0	825.1	823.8	821.9	820.0	818.2	816.4	818.2	820.0	821.9
127.5°	891.3	890.1	889.0	887.5	885.7	883.9	882.0	880.2	882.0	883.9	885.7
130°	930.6	929.6	928.7	927.3	925.5	923.6	921.9	920.0	921.9	923.6	925.5
132.5°	968.2	967.5	966.7	965.5	963.6	961.8	959.9	958.1	959.9	961.8	963.6
135°	1024.8	1024.0	1023.0	1021.8	1020.5	1019.0	1017.7	1016.3	1017.7	1019.0	1020.5
137.5°	1075.2	1074.7	1074.2	1073.1	1071.3	1069.5	1067.8	1066.0	1067.8	1069.5	1071.3
140°	1107.1	1106.4	1105.7	1104.7	1103.3	1102.0	1100.5	1099.2	1100.5	1102.0	1103.3
142.5°	1137.8	1137.1	1136.4	1135.4	1134.0	1132.7	1131.2	1129.9	1131.2	1132.7	1134.0
145°	1181.2	1180.7	1180.3	1179.2	1177.6	1176.0	1174.4	1172.8	1174.4	1176.0	1177.6
147.5°	1219.1	1218.6	1218.2	1217.4	1216.3	1215.3	1214.2	1213.2	1214.2	1215.3	1216.3
150°	1242.2	1241.8	1241.4	1240.8	1240.1	1239.4	1238.7	1238.1	1238.7	1239.4	1240.1
152.5°	1262.6	1262.2	1261.9	1261.7	1261.3	1261.1	1260.7	1260.4	1260.7	1261.1	1261.3
155°	1290.4	1290.1	1289.9	1290.0	1290.5	1290.9	1291.5	1291.9	1291.5	1290.9	1290.5
157.5°	1315.5	1315.8	1316.0	1316.2	1316.2	1316.3	1316.3	1316.3	1316.3	1316.3	1316.2
160°	1329.6	1329.9	1330.1	1330.3	1330.6	1330.8	1331.1	1331.2	1331.1	1330.8	1330.6
162.5°	1342.1	1342.3	1342.6	1342.9	1343.5	1344.2	1344.8	1345.3	1344.8	1344.2	1343.5
165°	1358.6	1358.9	1359.1	1359.6	1360.3	1360.9	1361.6	1362.4	1361.6	1360.9	1360.3
167.5°	1371.5	1371.5	1371.5	1371.9	1372.9	1373.8	1374.7	1375.6	1374.7	1373.8	1372.9
170°	1378.9	1378.9	1378.9	1379.4	1380.3	1381.3	1382.2	1383.0	1382.2	1381.3	1380.3
172.5°	1383.5	1383.3	1383.1	1383.6	1384.7	1385.8	1387.0	1388.0	1387.0	1385.8	1384.7
175°	1389.8	1389.6	1389.4	1389.8	1391.0	1392.1	1393.3	1394.5	1393.3	1392.1	1391.0
177.5°	1392.4	1392.2	1392.0	1392.4	1393.4	1394.3	1395.2	1396.2	1395.2	1394.3	1393.4
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	477.0	474.8	473.3	470.0	467.9	465.6	463.2	464.7	464.5	464.4	464.4
5°	461.0	456.2	451.8	446.2	442.7	438.4	435.1	434.6	435.4	432.6	430.9
7.5°	445.1	438.6	432.4	426.2	419.6	414.4	411.2	409.6	407.5	405.7	403.9
10°	434.0	426.3	420.3	412.6	405.6	399.3	395.4	392.6	391.2	389.8	387.0
12.5°	422.5	415.0	407.3	398.6	391.9	384.7	381.7	378.7	375.9	374.3	370.6
15°	405.7	396.0	387.9	378.7	371.2	364.2	360.1	354.0	353.2	351.1	347.3
17.5°	388.9	378.4	367.1	360.3	352.0	344.6	338.2	336.3	330.3	328.1	324.8
20°	375.6	365.9	357.3	348.4	336.2	329.3	324.3	321.6	316.8	313.9	311.8
22.5°	364.2	354.2	344.4	333.9	323.9	316.1	312.5	308.3	305.7	301.6	299.3
25°	347.8	337.0	325.1	313.9	306.7	300.9	295.0	291.2	287.5	285.6	281.5
27.5°	328.8	317.4	306.4	297.8	288.9	283.2	277.9	274.6	270.1	267.0	264.7
30°	318.3	305.0	295.4	287.8	276.3	270.9	267.0	262.8	259.5	256.2	253.9
32.5°	306.1	294.0	285.0	275.4	266.7	260.7	255.7	252.0	249.1	246.0	243.7
35°	287.1	277.0	267.6	258.1	251.6	245.6	239.5	236.4	233.7	230.8	228.7
37.5°	269.9	260.4	251.5	242.5	234.4	229.5	224.7	222.3	218.6	216.7	214.6
40°	259.3	249.9	240.4	231.7	223.4	219.6	215.3	211.7	208.4	206.9	204.6
42.5°	247.6	238.3	230.2	220.9	214.0	208.9	204.9	201.1	198.6	196.4	195.2
45°	230.4	222.1	214.2	204.8	198.4	194.0	189.5	185.9	183.7	182.2	179.9
47.5°	213.7	205.4	197.3	189.2	183.0	178.0	173.3	170.9	167.9	166.1	164.6
50°	201.5	194.0	185.6	178.1	171.8	166.8	163.1	160.0	157.3	155.0	153.9
52.5°	190.4	182.4	175.0	168.1	161.5	155.9	152.5	149.2	147.1	144.5	143.3
55°	172.0	164.3	158.1	151.2	144.8	140.0	135.9	133.0	130.9	128.0	126.4
57.5°	154.8	147.8	140.4	134.5	127.9	123.9	120.4	116.5	113.9	111.6	109.9
60°	143.1	135.3	128.8	123.2	117.3	112.2	109.1	105.9	103.3	100.9	99.5
62.5°	131.0	124.1	118.0	111.9	106.6	102.0	98.4	95.9	93.5	92.0	90.5
65°	112.4	107.0	100.8	95.8	90.8	87.5	84.5	82.3	80.6	79.5	78.3
67.5°	95.2	90.1	84.6	79.7	76.3	73.8	72.0	70.0	69.1	67.8	67.0
70°	84.2	78.7	73.9	70.2	66.9	65.0	63.8	62.3	61.5	59.8	59.0
72.5°	72.1	68.1	64.6	61.6	58.9	57.2	55.6	53.9	52.5	50.6	49.8
75°	56.7	53.1	50.5	48.4	46.7	44.5	42.2	40.3	39.7	39.1	38.9
77.5°	42.0	39.8	37.8	36.0	34.0	32.4	31.8	31.4	31.3	30.9	30.9
80°	33.0	30.9	29.5	27.5	26.2	26.2	26.2	25.8	25.9	25.9	25.9
82.5°	24.5	22.6	21.8	21.1	20.9	21.0	21.0	21.1	21.0	21.3	21.1
85°	12.7	12.8	13.3	13.1	13.3	13.3	13.7	13.5	13.7	13.3	13.7
87.5°	6.7	7.8	8.5	9.3	10.0	10.4	10.8	11.0	11.3	11.5	11.7
90°	10.3	12.9	15.9	18.9	21.8	24.9	25.8	26.7	27.6	28.5	29.2
92.5°	16.7	17.5	19.8	22.0	24.3	26.5	28.0	29.4	30.9	32.5	33.3
95°	25.4	22.0	24.5	27.0	29.6	32.1	33.7	35.3	36.9	38.5	39.3
97.5°	110.0	99.7	83.1	66.5	49.9	33.3	35.2	37.0	38.9	40.8	41.7
100°	193.5	177.8	142.0	106.0	70.1	34.2	36.0	37.9	39.7	41.6	42.6
102.5°	243.1	225.1	185.8	146.6	107.4	68.1	62.4	56.7	51.0	45.3	42.7
105°	318.9	309.8	289.0	268.3	247.6	226.9	186.1	145.3	104.6	63.8	43.8
107.5°	400.1	402.8	406.1	409.3	412.6	415.9	385.9	356.1	326.2	296.3	266.0
110°	455.0	457.1	459.7	462.2	464.7	467.3	459.7	452.0	444.4	436.8	416.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	507.2	509.3	511.8	514.4	516.9	519.4	519.6	519.7	519.9	520.0	516.6
115°	584.6	586.4	588.4	590.5	592.6	594.7	597.0	599.2	601.5	603.9	605.5
117.5°	662.0	663.3	664.4	665.5	666.6	667.6	669.4	671.3	673.2	674.9	676.0
120°	710.7	712.1	712.7	713.5	714.2	714.8	716.7	718.5	720.3	722.2	723.1
122.5°	757.3	758.6	759.5	760.4	761.2	762.1	763.4	764.6	766.0	767.2	767.9
125°	823.8	825.1	826.0	827.0	827.9	828.8	829.3	829.7	830.2	830.6	831.1
127.5°	887.5	889.0	890.1	891.3	892.3	893.4	894.2	894.9	895.6	896.3	896.5
130°	927.3	928.7	929.6	930.6	931.5	932.4	933.4	934.2	935.1	936.1	936.3
132.5°	965.5	966.7	967.5	968.2	968.9	969.7	970.6	971.5	972.5	973.4	973.5
135°	1021.8	1023.0	1024.0	1024.8	1025.7	1026.7	1027.3	1028.1	1028.8	1029.5	1029.5
137.5°	1073.1	1074.2	1074.7	1075.2	1075.7	1076.2	1077.3	1078.4	1079.5	1080.6	1080.9
140°	1104.7	1105.7	1106.4	1107.1	1107.9	1108.5	1109.5	1110.4	1111.3	1112.2	1112.4
142.5°	1135.4	1136.4	1137.1	1137.8	1138.5	1139.2	1140.0	1140.7	1141.4	1142.1	1142.2
145°	1179.2	1180.3	1180.7	1181.2	1181.6	1182.1	1182.5	1183.0	1183.5	1183.9	1184.1
147.5°	1217.4	1218.2	1218.6	1219.1	1219.5	1219.9	1220.5	1220.9	1221.4	1221.8	1221.6
150°	1240.8	1241.4	1241.8	1242.2	1242.8	1243.2	1243.7	1244.1	1244.6	1245.0	1244.9
152.5°	1261.7	1261.9	1262.2	1262.6	1262.8	1263.1	1263.9	1264.7	1265.6	1266.4	1266.3
155°	1290.0	1289.9	1290.1	1290.4	1290.7	1290.8	1292.0	1293.2	1294.3	1295.5	1295.3
157.5°	1316.2	1316.0	1315.8	1315.5	1315.4	1315.1	1316.5	1317.9	1319.2	1320.6	1320.4
160°	1330.3	1330.1	1329.9	1329.6	1329.5	1329.2	1330.6	1331.9	1333.3	1334.7	1334.6
162.5°	1342.9	1342.6	1342.3	1342.1	1341.8	1341.6	1343.2	1344.8	1346.3	1347.9	1347.9
165°	1359.6	1359.1	1358.9	1358.6	1358.4	1358.2	1360.0	1361.9	1363.7	1365.6	1365.7
167.5°	1371.9	1371.5	1371.5	1371.5	1371.5	1371.5	1373.3	1375.1	1377.0	1378.9	1378.9
170°	1379.4	1378.9	1378.9	1378.9	1378.9	1378.9	1380.7	1382.6	1384.5	1386.3	1386.3
172.5°	1383.6	1383.1	1383.3	1383.5	1383.7	1383.8	1385.7	1387.6	1389.4	1391.2	1391.2
175°	1389.8	1389.4	1389.6	1389.8	1390.1	1390.3	1392.0	1393.6	1395.2	1396.8	1396.6
177.5°	1392.4	1392.0	1392.2	1392.4	1392.6	1392.8	1394.3	1395.7	1397.2	1398.6	1398.5
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5



TEST NUMBER: P332264-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	462.4	462.2	462.4	461.7	462.4	462.2	462.4	464.4	464.4	464.5	464.7
5°	430.3	430.1	429.4	427.6	429.4	430.1	430.3	430.9	432.6	435.4	434.6
7.5°	402.2	401.9	400.1	400.1	400.1	401.9	402.2	403.9	405.7	407.5	409.6
10°	385.6	385.8	383.3	381.8	383.3	385.8	385.6	387.0	389.8	391.2	392.6
12.5°	369.4	368.5	366.5	364.9	366.5	368.5	369.4	370.6	374.3	375.9	378.7
15°	348.2	346.1	341.2	341.5	341.2	346.1	348.2	347.3	351.1	353.2	354.0
17.5°	323.2	321.6	321.6	318.6	321.6	321.6	323.2	324.8	328.1	330.3	336.3
20°	308.5	307.5	307.9	305.0	307.9	307.5	308.5	311.8	313.9	316.8	321.6
22.5°	297.0	296.0	294.3	293.4	294.3	296.0	297.0	299.3	301.6	305.7	308.3
25°	280.3	278.6	277.0	277.9	277.0	278.6	280.3	281.5	285.6	287.5	291.2
27.5°	263.5	262.3	260.6	260.4	260.6	262.3	263.5	264.7	267.0	270.1	274.6
30°	252.8	251.6	250.7	249.7	250.7	251.6	252.8	253.9	256.2	259.5	262.8
32.5°	242.0	241.7	240.3	240.0	240.3	241.7	242.0	243.7	246.0	249.1	252.0
35°	227.9	226.7	226.2	226.4	226.2	226.7	227.9	228.7	230.8	233.7	236.4
37.5°	214.5	212.9	212.0	211.3	212.0	212.9	214.5	214.6	216.7	218.6	222.3
40°	204.8	203.2	202.8	202.3	202.8	203.2	204.8	204.6	206.9	208.4	211.7
42.5°	194.0	193.4	193.1	192.3	193.1	193.4	194.0	195.2	196.4	198.6	201.1
45°	179.3	179.1	177.8	178.3	177.8	179.1	179.3	179.9	182.2	183.7	185.9
47.5°	163.7	162.8	161.9	162.6	161.9	162.8	163.7	164.6	166.1	167.9	170.9
50°	153.1	152.7	150.8	151.2	150.8	152.7	153.1	153.9	155.0	157.3	160.0
52.5°	142.5	140.9	140.2	139.9	140.2	140.9	142.5	143.3	144.5	147.1	149.2
55°	124.8	123.0	122.2	121.7	122.2	123.0	124.8	126.4	128.0	130.9	133.0
57.5°	107.5	107.1	106.4	106.8	106.4	107.1	107.5	109.9	111.6	113.9	116.5
60°	97.5	97.5	97.5	97.2	97.5	97.5	97.5	99.5	100.9	103.3	105.9
62.5°	89.6	89.1	89.0	89.3	89.0	89.1	89.6	90.5	92.0	93.5	95.9
65°	77.7	77.5	76.7	76.4	76.7	77.5	77.7	78.3	79.5	80.6	82.3
67.5°	66.4	65.7	65.5	65.2	65.5	65.7	66.4	67.0	67.8	69.1	70.0
70°	58.0	57.5	56.3	56.5	56.3	57.5	58.0	59.0	59.8	61.5	62.3
72.5°	48.9	48.4	48.2	47.9	48.2	48.4	48.9	49.8	50.6	52.5	53.9
75°	38.6	38.4	38.3	39.1	38.3	38.4	38.6	38.9	39.1	39.7	40.3
77.5°	30.9	30.9	31.1	30.8	31.1	30.9	30.9	30.9	30.9	31.3	31.4
80°	25.9	25.9	25.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8
82.5°	20.8	21.0	21.1	20.8	21.1	21.0	20.8	21.1	21.3	21.0	21.1
85°	13.7	13.5	13.9	13.7	13.9	13.5	13.7	13.7	13.3	13.7	13.5
87.5°	12.1	11.9	11.9	12.2	11.9	11.9	12.1	11.7	11.5	11.3	11.0
90°	29.7	30.1	30.6	31.1	30.6	30.1	29.7	29.2	28.5	27.6	26.7
92.5°	33.5	33.9	34.2	34.4	34.2	33.9	33.5	33.3	32.5	30.9	29.4
95°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	38.5	36.9	35.3
97.5°	42.0	42.3	42.4	42.7	42.4	42.3	42.0	41.7	40.8	38.9	37.0
100°	42.8	43.1	43.2	43.5	43.2	43.1	42.8	42.6	41.6	39.7	37.9
102.5°	43.1	43.5	44.0	44.3	44.0	43.5	43.1	42.7	45.3	51.0	56.7
105°	44.2	44.7	45.1	45.6	45.1	44.7	44.2	43.8	63.8	104.6	145.3
107.5°	235.3	204.6	173.9	143.2	173.9	204.6	235.3	266.0	296.3	326.2	356.1
110°	383.7	350.7	317.8	284.9	317.8	350.7	383.7	416.6	436.8	444.4	452.0



TEST NUMBER: P332264-940

CATALOG NUMBER: S123RDIP-S340D1195U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	509.6	502.7	495.7	488.7	495.7	502.7	509.6	516.6	520.0	519.9	519.7
115°	606.4	607.3	608.2	609.1	608.2	607.3	606.4	605.5	603.9	601.5	599.2
117.5°	676.2	676.4	676.5	676.7	676.5	676.4	676.2	676.0	674.9	673.2	671.3
120°	723.1	723.1	723.1	723.1	723.1	723.1	723.1	723.1	722.2	720.3	718.5
122.5°	768.1	768.3	768.6	768.7	768.6	768.3	768.1	767.9	767.2	766.0	764.6
125°	831.5	832.1	832.5	832.9	832.5	832.1	831.5	831.1	830.6	830.2	829.7
127.5°	896.1	895.6	895.2	894.7	895.2	895.6	896.1	896.5	896.3	895.6	894.9
130°	935.9	935.4	935.0	934.5	935.0	935.4	935.9	936.3	936.1	935.1	934.2
132.5°	972.9	972.2	971.6	970.9	971.6	972.2	972.9	973.5	973.4	972.5	971.5
135°	1028.8	1028.1	1027.3	1026.7	1027.3	1028.1	1028.8	1029.5	1029.5	1028.8	1028.1
137.5°	1080.5	1080.0	1079.6	1079.1	1079.6	1080.0	1080.5	1080.9	1080.6	1079.5	1078.4
140°	1112.0	1111.5	1111.1	1110.6	1111.1	1111.5	1112.0	1112.4	1112.2	1111.3	1110.4
142.5°	1141.6	1140.9	1140.2	1139.6	1140.2	1140.9	1141.6	1142.2	1142.1	1141.4	1140.7
145°	1184.1	1184.1	1184.1	1184.1	1184.1	1184.1	1184.1	1184.1	1183.9	1183.5	1183.0
147.5°	1220.5	1219.4	1218.3	1217.3	1218.3	1219.4	1220.5	1221.6	1221.8	1221.4	1220.9
150°	1244.2	1243.6	1242.9	1242.2	1242.9	1243.6	1244.2	1244.9	1245.0	1244.6	1244.1
152.5°	1265.2	1264.2	1263.1	1262.0	1263.1	1264.2	1265.2	1266.3	1266.4	1265.6	1264.7
155°	1294.0	1292.6	1291.2	1289.9	1291.2	1292.6	1294.0	1295.3	1295.5	1294.3	1293.2
157.5°	1318.7	1316.8	1315.0	1313.2	1315.0	1316.8	1318.7	1320.4	1320.6	1319.2	1317.9
160°	1333.0	1331.4	1329.7	1328.1	1329.7	1331.4	1333.0	1334.6	1334.7	1333.3	1331.9
162.5°	1346.5	1345.1	1343.6	1342.2	1343.6	1345.1	1346.5	1347.9	1347.9	1346.3	1344.8
165°	1364.1	1362.4	1360.8	1359.2	1360.8	1362.4	1364.1	1365.7	1365.6	1363.7	1361.9
167.5°	1377.0	1375.1	1373.3	1371.5	1373.3	1375.1	1377.0	1378.9	1378.9	1377.0	1375.1
170°	1384.5	1382.6	1380.7	1378.9	1380.7	1382.6	1384.5	1386.3	1386.3	1384.5	1382.6
172.5°	1389.1	1387.1	1385.1	1383.0	1385.1	1387.1	1389.1	1391.2	1391.2	1389.4	1387.6
175°	1394.8	1392.9	1391.2	1389.3	1391.2	1392.9	1394.8	1396.6	1396.8	1395.2	1393.6
177.5°	1396.7	1394.8	1392.9	1391.2	1392.9	1394.8	1396.7	1398.5	1398.6	1397.2	1395.7
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5



TEST NUMBER: P332264-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	463.2	465.6	467.9	470.0	473.3	474.8	477.0	477.9	480.3	483.9	487.0
5°	435.1	438.4	442.7	446.2	451.8	456.2	461.0	465.6	471.0	478.7	485.5
7.5°	411.2	414.4	419.6	426.2	432.4	438.6	445.1	451.4	459.1	470.1	481.0
10°	395.4	399.3	405.6	412.6	420.3	426.3	434.0	441.8	451.5	464.1	477.2
12.5°	381.7	384.7	391.9	398.6	407.3	415.0	422.5	431.8	442.6	456.1	471.9
15°	360.1	364.2	371.2	378.7	387.9	396.0	405.7	417.0	427.6	444.2	463.2
17.5°	338.2	344.6	352.0	360.3	367.1	378.4	388.9	400.4	413.5	431.1	452.1
20°	324.3	329.3	336.2	348.4	357.3	365.9	375.6	389.9	402.0	422.0	443.7
22.5°	312.5	316.1	323.9	333.9	344.4	354.2	364.2	377.8	392.7	411.6	435.2
25°	295.0	300.9	306.7	313.9	325.1	337.0	347.8	359.4	375.2	395.4	420.9
27.5°	277.9	283.2	288.9	297.8	306.4	317.4	328.8	342.1	359.0	380.3	406.3
30°	267.0	270.9	276.3	287.8	295.4	305.0	318.3	330.1	345.9	368.5	396.0
32.5°	255.7	260.7	266.7	275.4	285.0	294.0	306.1	319.0	335.1	357.4	385.5
35°	239.5	245.6	251.6	258.1	267.6	277.0	287.1	301.2	317.6	339.3	366.8
37.5°	224.7	229.5	234.4	242.5	251.5	260.4	269.9	283.8	299.3	322.6	347.9
40°	215.3	219.6	223.4	231.7	240.4	249.9	259.3	271.5	288.1	310.0	334.5
42.5°	204.9	208.9	214.0	220.9	230.2	238.3	247.6	259.2	274.8	297.0	318.5
45°	189.5	194.0	198.4	204.8	214.2	222.1	230.4	241.4	257.4	275.7	294.8
47.5°	173.3	178.0	183.0	189.2	197.3	205.4	213.7	223.4	238.0	255.9	268.9
50°	163.1	166.8	171.8	178.1	185.6	194.0	201.5	212.1	226.0	240.1	251.4
52.5°	152.5	155.9	161.5	168.1	175.0	182.4	190.4	199.5	212.0	225.3	234.3
55°	135.9	140.0	144.8	151.2	158.1	164.3	172.0	181.4	191.4	201.3	207.3
57.5°	120.4	123.9	127.9	134.5	140.4	147.8	154.8	162.0	171.3	178.8	182.7
60°	109.1	112.2	117.3	123.2	128.8	135.3	143.1	150.4	157.5	163.5	166.6
62.5°	98.4	102.0	106.6	111.9	118.0	124.1	131.0	137.1	143.4	148.6	150.7
65°	84.5	87.5	90.8	95.8	100.8	107.0	112.4	118.6	123.2	126.1	128.0
67.5°	72.0	73.8	76.3	79.7	84.6	90.1	95.2	100.1	104.0	105.9	107.6
70°	63.8	65.0	66.9	70.2	73.9	78.7	84.2	87.7	91.0	92.6	94.3
72.5°	55.6	57.2	58.9	61.6	64.6	68.1	72.1	76.3	78.2	80.2	81.1
75°	42.2	44.5	46.7	48.4	50.5	53.1	56.7	59.4	60.5	62.2	62.3
77.5°	31.8	32.4	34.0	36.0	37.8	39.8	42.0	44.4	44.9	45.7	46.4
80°	26.2	26.2	26.2	27.5	29.5	30.9	33.0	34.2	35.1	35.3	35.5
82.5°	21.0	21.0	20.9	21.1	21.8	22.6	24.5	25.9	26.7	26.5	26.0
85°	13.7	13.3	13.3	13.1	13.3	12.8	12.7	13.5	14.7	14.7	14.4
87.5°	10.8	10.4	10.0	9.3	8.5	7.8	6.7	6.4	6.0	6.2	5.5
90°	25.8	24.9	21.8	18.9	15.9	12.9	10.3	7.9	5.6	3.3	1.1
92.5°	28.0	26.5	24.3	22.0	19.8	17.5	16.7	17.3	18.0	18.6	19.3
95°	33.7	32.1	29.6	27.0	24.5	22.0	25.4	34.9	44.3	53.8	63.2
97.5°	35.2	33.3	49.9	66.5	83.1	99.7	110.0	114.3	118.5	122.8	127.0
100°	36.0	34.2	70.1	106.0	142.0	177.8	193.5	188.9	184.3	179.7	175.0
102.5°	62.4	68.1	107.4	146.6	185.8	225.1	243.1	239.7	236.4	233.1	229.8
105°	186.1	226.9	247.6	268.3	289.0	309.8	318.9	316.3	313.8	311.3	308.7
107.5°	385.9	415.9	412.6	409.3	406.1	402.8	400.1	398.1	396.1	394.0	392.0
110°	459.7	467.3	464.7	462.2	459.7	457.1	455.0	453.1	451.2	449.4	447.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	519.6	519.4	516.9	514.4	511.8	509.3	507.2	505.6	503.9	502.2	500.6
115°	597.0	594.7	592.6	590.5	588.4	586.4	584.6	583.3	581.8	580.5	579.2
117.5°	669.4	667.6	666.6	665.5	664.4	663.3	662.0	660.3	658.5	656.8	655.1
120°	716.7	714.8	714.2	713.5	712.7	712.1	710.7	708.6	706.6	704.5	702.4
122.5°	763.4	762.1	761.2	760.4	759.5	758.6	757.3	755.5	753.9	752.2	750.5
125°	829.3	828.8	827.9	827.0	826.0	825.1	823.8	821.9	820.0	818.2	816.4
127.5°	894.2	893.4	892.3	891.3	890.1	889.0	887.5	885.7	883.9	882.0	880.2
130°	933.4	932.4	931.5	930.6	929.6	928.7	927.3	925.5	923.6	921.9	920.0
132.5°	970.6	969.7	968.9	968.2	967.5	966.7	965.5	963.6	961.8	959.9	958.1
135°	1027.3	1026.7	1025.7	1024.8	1024.0	1023.0	1021.8	1020.5	1019.0	1017.7	1016.3
137.5°	1077.3	1076.2	1075.7	1075.2	1074.7	1074.2	1073.1	1071.3	1069.5	1067.8	1066.0
140°	1109.5	1108.5	1107.9	1107.1	1106.4	1105.7	1104.7	1103.3	1102.0	1100.5	1099.2
142.5°	1140.0	1139.2	1138.5	1137.8	1137.1	1136.4	1135.4	1134.0	1132.7	1131.2	1129.9
145°	1182.5	1182.1	1181.6	1181.2	1180.7	1180.3	1179.2	1177.6	1176.0	1174.4	1172.8
147.5°	1220.5	1219.9	1219.5	1219.1	1218.6	1218.2	1217.4	1216.3	1215.3	1214.2	1213.2
150°	1243.7	1243.2	1242.8	1242.2	1241.8	1241.4	1240.8	1240.1	1239.4	1238.7	1238.1
152.5°	1263.9	1263.1	1262.8	1262.6	1262.2	1261.9	1261.7	1261.3	1261.1	1260.7	1260.4
155°	1292.0	1290.8	1290.7	1290.4	1290.1	1289.9	1290.0	1290.5	1290.9	1291.5	1291.9
157.5°	1316.5	1315.1	1315.4	1315.5	1315.8	1316.0	1316.2	1316.2	1316.3	1316.3	1316.3
160°	1330.6	1329.2	1329.5	1329.6	1329.9	1330.1	1330.3	1330.6	1330.8	1331.1	1331.2
162.5°	1343.2	1341.6	1341.8	1342.1	1342.3	1342.6	1342.9	1343.5	1344.2	1344.8	1345.3
165°	1360.0	1358.2	1358.4	1358.6	1358.9	1359.1	1359.6	1360.3	1360.9	1361.6	1362.4
167.5°	1373.3	1371.5	1371.5	1371.5	1371.5	1371.5	1371.9	1372.9	1373.8	1374.7	1375.6
170°	1380.7	1378.9	1378.9	1378.9	1378.9	1378.9	1379.4	1380.3	1381.3	1382.2	1383.0
172.5°	1385.7	1383.8	1383.7	1383.5	1383.3	1383.1	1383.6	1384.7	1385.8	1387.0	1388.0
175°	1392.0	1390.3	1390.1	1389.8	1389.6	1389.4	1389.8	1391.0	1392.1	1393.3	1394.5
177.5°	1394.3	1392.8	1392.6	1392.4	1392.2	1392.0	1392.4	1393.4	1394.3	1395.2	1396.2
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	487.9	489.8	492.1	495.6	498.3	500.6	501.1	501.8	503.5	506.2	508.4
5°	491.2	495.9	503.5	511.0	519.2	525.8	532.1	536.5	540.6	549.3	556.3
7.5°	490.1	500.8	512.8	526.2	539.8	552.9	565.2	576.1	587.0	599.8	614.2
10°	489.5	501.9	518.2	535.4	554.3	572.7	590.7	604.6	620.7	635.3	653.8
12.5°	486.3	504.3	523.6	545.6	568.9	590.2	613.8	632.9	651.5	672.5	694.0
15°	482.1	504.0	528.5	557.8	593.2	618.8	643.0	676.5	699.3	722.1	752.9
17.5°	474.7	501.3	531.9	570.0	599.4	634.1	670.3	696.8	727.5	759.7	787.6
20°	468.7	499.6	534.0	571.3	608.9	646.5	681.6	713.2	745.0	782.2	805.0
22.5°	462.7	493.3	529.0	568.6	609.0	648.7	688.4	725.5	761.3	798.8	828.0
25°	450.0	486.3	525.0	565.5	605.4	649.0	696.3	737.7	781.9	820.6	848.3
27.5°	437.1	470.5	508.9	550.0	594.3	645.9	701.6	748.6	792.9	820.6	829.3
30°	425.4	460.7	496.1	537.9	585.9	643.4	702.6	756.4	792.7	804.9	795.9
32.5°	413.7	445.7	480.6	523.4	574.4	637.2	703.9	751.8	773.6	764.5	728.1
35°	392.9	421.7	455.6	498.4	557.0	633.8	698.5	730.8	725.5	673.5	604.9
37.5°	370.6	394.1	425.4	470.2	539.0	620.4	674.8	679.7	632.8	553.1	473.9
40°	352.9	374.2	406.4	453.1	525.0	607.1	651.1	631.8	559.3	470.6	404.5
42.5°	335.8	353.7	384.8	435.2	511.7	588.9	615.7	573.6	490.0	406.1	346.0
45°	306.8	323.7	354.8	406.5	484.5	554.3	550.7	477.6	393.9	326.4	276.5
47.5°	279.4	294.1	323.3	376.1	452.5	502.3	469.3	391.5	320.5	266.3	230.7
50°	259.9	274.5	303.5	355.7	427.0	463.2	416.2	341.2	276.1	231.2	203.0
52.5°	241.3	255.5	282.0	332.9	396.0	417.8	367.1	297.6	243.3	204.6	180.4
55°	215.3	226.0	249.9	298.5	345.7	350.7	299.3	241.2	196.5	169.5	152.9
57.5°	188.7	198.0	221.6	260.3	293.4	290.8	242.2	191.8	161.8	141.7	129.7
60°	171.4	180.6	201.3	234.5	259.5	250.7	206.1	165.6	139.8	125.1	115.5
62.5°	155.2	162.4	181.9	206.2	224.1	214.2	176.2	142.7	122.2	109.8	102.2
65°	131.9	137.8	153.3	166.0	175.9	166.4	134.8	111.6	96.8	88.1	82.9
67.5°	109.8	113.4	123.2	127.9	134.9	124.4	101.4	85.8	77.4	70.1	66.4
70°	95.8	98.4	103.7	107.5	109.2	98.4	81.4	70.0	63.0	57.8	55.5
72.5°	81.8	84.2	85.2	88.3	87.3	77.2	65.5	56.4	51.3	47.8	44.9
75°	62.5	63.6	62.5	61.3	58.6	51.5	43.4	38.9	35.1	33.4	32.4
77.5°	45.6	45.2	43.9	41.9	37.3	32.8	28.4	26.9	25.3	24.4	24.1
80°	35.1	34.2	33.0	29.9	25.9	22.8	21.8	20.8	20.2	19.1	18.9
82.5°	26.1	25.6	23.5	21.0	18.2	16.7	15.9	15.4	14.8	14.3	14.3
85°	13.9	13.3	11.0	9.5	9.2	8.7	8.6	8.6	7.7	7.5	7.5
87.5°	5.2	4.6	4.9	4.9	5.4	5.7	6.4	6.7	7.1	7.5	7.3
90°	3.3	5.6	7.9	10.3	12.9	15.9	18.9	21.8	24.9	25.8	26.7
92.5°	18.6	18.0	17.3	16.7	17.5	19.8	22.0	24.3	26.5	28.0	29.4
95°	53.8	44.3	34.9	25.4	22.0	24.5	27.0	29.6	32.1	33.7	35.3
97.5°	122.8	118.5	114.3	110.0	99.7	83.1	66.5	49.9	33.3	35.2	37.0
100°	179.7	184.3	188.9	193.5	177.8	142.0	106.0	70.1	34.2	36.0	37.9
102.5°	233.1	236.4	239.7	243.1	225.1	185.8	146.6	107.4	68.1	62.4	56.7
105°	311.3	313.8	316.3	318.9	309.8	289.0	268.3	247.6	226.9	186.1	145.3
107.5°	394.0	396.1	398.1	400.1	402.8	406.1	409.3	412.6	415.9	385.9	356.1
110°	449.4	451.2	453.1	455.0	457.1	459.7	462.2	464.7	467.3	459.7	452.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	502.2	503.9	505.6	507.2	509.3	511.8	514.4	516.9	519.4	519.6	519.7
115°	580.5	581.8	583.3	584.6	586.4	588.4	590.5	592.6	594.7	597.0	599.2
117.5°	656.8	658.5	660.3	662.0	663.3	664.4	665.5	666.6	667.6	669.4	671.3
120°	704.5	706.6	708.6	710.7	712.1	712.7	713.5	714.2	714.8	716.7	718.5
122.5°	752.2	753.9	755.5	757.3	758.6	759.5	760.4	761.2	762.1	763.4	764.6
125°	818.2	820.0	821.9	823.8	825.1	826.0	827.0	827.9	828.8	829.3	829.7
127.5°	882.0	883.9	885.7	887.5	889.0	890.1	891.3	892.3	893.4	894.2	894.9
130°	921.9	923.6	925.5	927.3	928.7	929.6	930.6	931.5	932.4	933.4	934.2
132.5°	959.9	961.8	963.6	965.5	966.7	967.5	968.2	968.9	969.7	970.6	971.5
135°	1017.7	1019.0	1020.5	1021.8	1023.0	1024.0	1024.8	1025.7	1026.7	1027.3	1028.1
137.5°	1067.8	1069.5	1071.3	1073.1	1074.2	1074.7	1075.2	1075.7	1076.2	1077.3	1078.4
140°	1100.5	1102.0	1103.3	1104.7	1105.7	1106.4	1107.1	1107.9	1108.5	1109.5	1110.4
142.5°	1131.2	1132.7	1134.0	1135.4	1136.4	1137.1	1137.8	1138.5	1139.2	1140.0	1140.7
145°	1174.4	1176.0	1177.6	1179.2	1180.3	1180.7	1181.2	1181.6	1182.1	1182.5	1183.0
147.5°	1214.2	1215.3	1216.3	1217.4	1218.2	1218.6	1219.1	1219.5	1219.9	1220.5	1220.9
150°	1238.7	1239.4	1240.1	1240.8	1241.4	1241.8	1242.2	1242.8	1243.2	1243.7	1244.1
152.5°	1260.7	1261.1	1261.3	1261.7	1261.9	1262.2	1262.6	1262.8	1263.1	1263.9	1264.7
155°	1291.5	1290.9	1290.5	1290.0	1289.9	1290.1	1290.4	1290.7	1290.8	1292.0	1293.2
157.5°	1316.3	1316.3	1316.2	1316.2	1316.0	1315.8	1315.5	1315.4	1315.1	1316.5	1317.9
160°	1331.1	1330.8	1330.6	1330.3	1330.1	1329.9	1329.6	1329.5	1329.2	1330.6	1331.9
162.5°	1344.8	1344.2	1343.5	1342.9	1342.6	1342.3	1342.1	1341.8	1341.6	1343.2	1344.8
165°	1361.6	1360.9	1360.3	1359.6	1359.1	1358.9	1358.6	1358.4	1358.2	1360.0	1361.9
167.5°	1374.7	1373.8	1372.9	1371.9	1371.5	1371.5	1371.5	1371.5	1371.5	1373.3	1375.1
170°	1382.2	1381.3	1380.3	1379.4	1378.9	1378.9	1378.9	1378.9	1378.9	1380.7	1382.6
172.5°	1387.0	1385.8	1384.7	1383.6	1383.1	1383.3	1383.5	1383.7	1383.8	1385.7	1387.6
175°	1393.3	1392.1	1391.0	1389.8	1389.4	1389.6	1389.8	1390.1	1390.3	1392.0	1393.6
177.5°	1395.2	1394.3	1393.4	1392.4	1392.0	1392.2	1392.4	1392.6	1392.8	1394.3	1395.7
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	511.9	511.9	512.6	515.1	515.4	517.5	516.9
5°	562.6	566.5	568.0	574.3	577.9	579.6	576.3
7.5°	624.6	635.7	641.0	647.6	653.3	655.1	650.5
10°	669.8	681.4	691.2	697.2	702.8	706.6	711.3
12.5°	713.5	727.8	737.1	745.6	751.4	756.1	756.9
15°	761.0	782.6	799.0	811.1	817.1	820.2	818.9
17.5°	808.9	828.9	840.6	852.9	861.2	861.7	861.9
20°	836.0	855.5	869.1	878.2	887.5	887.1	889.2
22.5°	854.1	869.5	879.9	886.4	889.7	888.1	888.5
25°	862.6	867.2	865.3	854.7	851.9	842.2	843.9
27.5°	818.9	797.3	774.9	746.2	723.4	705.3	706.2
30°	759.6	721.3	677.7	641.1	608.3	599.1	579.6
32.5°	676.6	619.3	568.2	534.0	506.0	498.3	481.3
35°	536.0	480.3	427.8	396.2	383.7	366.2	366.0
37.5°	416.6	367.6	339.8	316.1	303.7	293.1	292.1
40°	350.4	312.3	291.2	274.2	262.0	254.0	252.2
42.5°	304.3	273.4	253.7	243.2	233.7	229.6	226.6
45°	248.4	227.7	214.0	204.5	200.1	197.0	195.3
47.5°	207.9	193.9	184.6	178.2	174.7	171.4	172.3
50°	185.7	174.3	167.5	161.4	158.7	156.4	156.7
52.5°	167.9	157.7	152.1	147.8	144.5	142.8	142.0
55°	142.5	136.1	130.5	127.3	125.5	123.2	122.6
57.5°	121.5	116.5	112.0	108.5	108.0	105.8	106.1
60°	107.6	103.4	99.7	97.8	96.4	94.5	95.1
62.5°	96.1	92.6	89.3	87.7	86.2	84.9	85.2
65°	78.7	75.4	73.3	72.5	71.9	71.2	70.6
67.5°	62.8	60.7	59.4	57.6	56.4	56.2	55.6
70°	52.8	50.0	47.8	45.5	44.9	44.7	44.9
72.5°	42.3	40.6	39.9	38.9	38.7	38.2	38.5
75°	31.7	31.1	30.8	29.9	29.9	29.9	29.9
77.5°	23.5	23.1	22.8	22.6	22.5	22.1	22.1
80°	18.3	18.1	17.7	17.7	17.5	17.7	17.5
82.5°	13.8	13.7	13.4	13.4	13.1	13.0	13.1
85°	7.0	6.9	7.3	6.9	7.0	6.7	7.0
87.5°	7.5	7.7	7.7	7.8	7.7	8.1	7.8
90°	27.6	28.5	29.2	29.7	30.1	30.6	31.1
92.5°	30.9	32.5	33.3	33.5	33.9	34.2	34.4
95°	36.9	38.5	39.3	39.3	39.3	39.3	39.3
97.5°	38.9	40.8	41.7	42.0	42.3	42.4	42.7
100°	39.7	41.6	42.6	42.8	43.1	43.2	43.5
102.5°	51.0	45.3	42.7	43.1	43.5	44.0	44.3
105°	104.6	63.8	43.8	44.2	44.7	45.1	45.6
107.5°	326.2	296.3	266.0	235.3	204.6	173.9	143.2
110°	444.4	436.8	416.6	383.7	350.7	317.8	284.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	519.9	520.0	516.6	509.6	502.7	495.7	488.7
115°	601.5	603.9	605.5	606.4	607.3	608.2	609.1
117.5°	673.2	674.9	676.0	676.2	676.4	676.5	676.7
120°	720.3	722.2	723.1	723.1	723.1	723.1	723.1
122.5°	766.0	767.2	767.9	768.1	768.3	768.6	768.7
125°	830.2	830.6	831.1	831.5	832.1	832.5	832.9
127.5°	895.6	896.3	896.5	896.1	895.6	895.2	894.7
130°	935.1	936.1	936.3	935.9	935.4	935.0	934.5
132.5°	972.5	973.4	973.5	972.9	972.2	971.6	970.9
135°	1028.8	1029.5	1029.5	1028.8	1028.1	1027.3	1026.7
137.5°	1079.5	1080.6	1080.9	1080.5	1080.0	1079.6	1079.1
140°	1111.3	1112.2	1112.4	1112.0	1111.5	1111.1	1110.6
142.5°	1141.4	1142.1	1142.2	1141.6	1140.9	1140.2	1139.6
145°	1183.5	1183.9	1184.1	1184.1	1184.1	1184.1	1184.1
147.5°	1221.4	1221.8	1221.6	1220.5	1219.4	1218.3	1217.3
150°	1244.6	1245.0	1244.9	1244.2	1243.6	1242.9	1242.2
152.5°	1265.6	1266.4	1266.3	1265.2	1264.2	1263.1	1262.0
155°	1294.3	1295.5	1295.3	1294.0	1292.6	1291.2	1289.9
157.5°	1319.2	1320.6	1320.4	1318.7	1316.8	1315.0	1313.2
160°	1333.3	1334.7	1334.6	1333.0	1331.4	1329.7	1328.1
162.5°	1346.3	1347.9	1347.9	1346.5	1345.1	1343.6	1342.2
165°	1363.7	1365.6	1365.7	1364.1	1362.4	1360.8	1359.2
167.5°	1377.0	1378.9	1378.9	1377.0	1375.1	1373.3	1371.5
170°	1384.5	1386.3	1386.3	1384.5	1382.6	1380.7	1378.9
172.5°	1389.4	1391.2	1391.2	1389.1	1387.1	1385.1	1383.0
175°	1395.2	1396.8	1396.6	1394.8	1392.9	1391.2	1389.3
177.5°	1397.2	1398.6	1398.5	1396.7	1394.8	1392.9	1391.2
180°	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5	1394.5

(END OF REPORT)