

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: P331797-930

Luminaire Tested: **S122RDIW-S485D1240U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331797-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S485D1240U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1240 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5556.9 lumens
Efficiency: N/A
Efficacy: 103.3 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

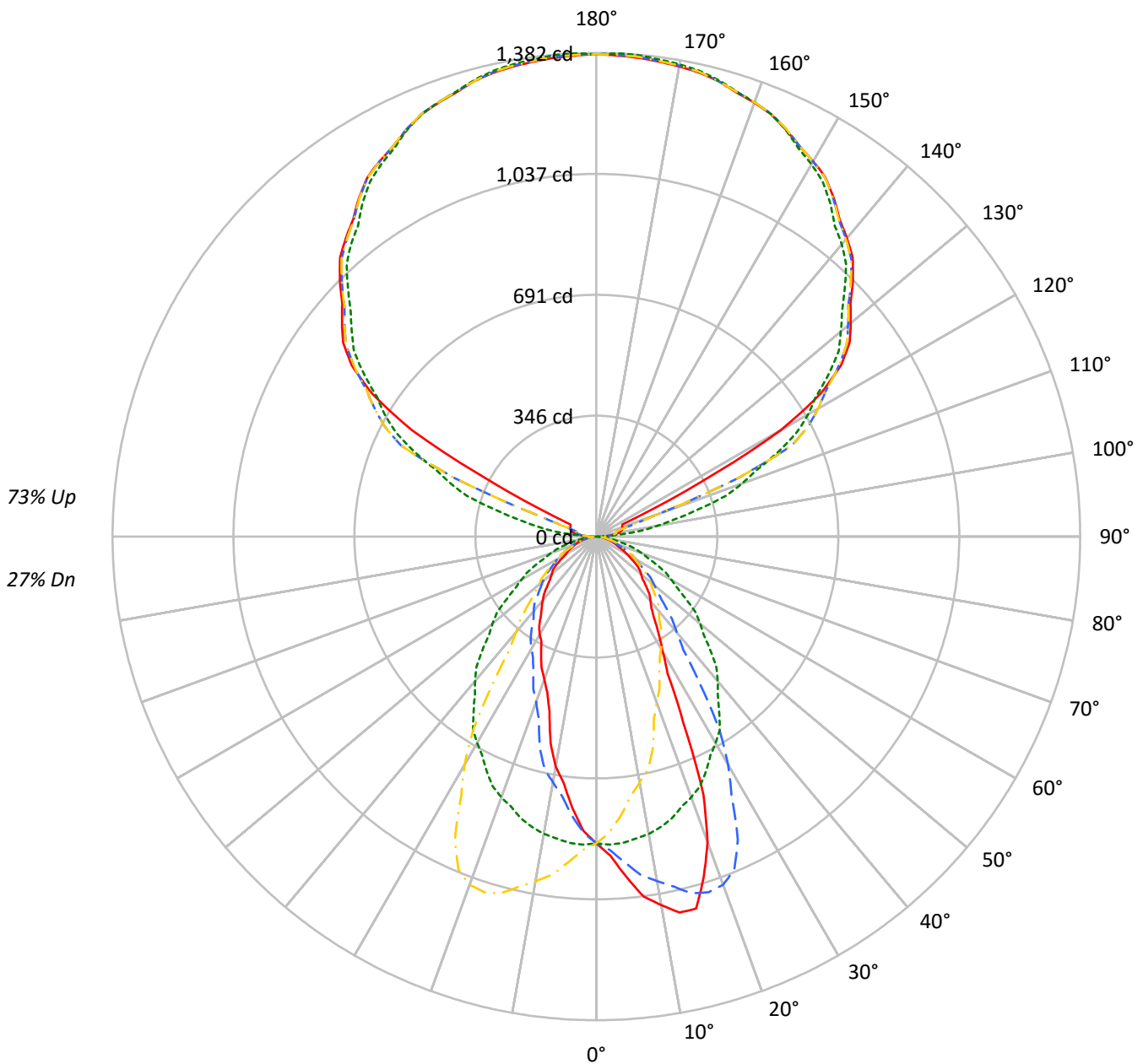
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	80	77	74	62	60	59	46	45	44	32	31	31	24
2	85	78	73	68	76	70	65	61	55	52	49	41	39	38	28	27	26	21
3	78	69	62	57	69	62	56	52	49	45	42	37	34	32	26	24	23	18
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	23	22	20	16
5	66	55	47	42	59	49	43	38	39	35	31	30	27	24	21	19	18	14
6	61	49	42	36	54	45	38	33	36	31	27	27	24	22	19	17	16	13
7	56	44	37	32	50	40	34	29	32	28	24	25	22	19	18	16	14	12
8	52	40	33	28	46	37	30	26	29	25	22	23	20	17	16	15	13	10
9	48	37	30	25	43	33	27	23	27	23	19	21	18	16	15	13	12	10
10	45	34	27	22	40	31	25	21	25	21	17	19	16	14	14	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14149	14149	14149	14149
5°	15801	14237	12624	14237
10°	17531	14137	10942	14137
15°	18392	13929	8622	13929
20°	15945	13622	7459	13622
25°	10457	13201	6661	13201
30°	7040	12693	6027	12693
35°	5702	12051	5436	12051
40°	5069	11352	5031	11352
45°	4590	10533	4491	10533
50°	4175	9718	4160	9718
55°	3924	8819	3873	8819
60°	3284	7992	3242	7992
65°	2770	7259	3140	7259
70°	2559	6482	2960	6482
75°	2395	5639	2739	5639
80°	2204	4640	2436	4640
85°	2019	3668	2149	3668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.5
10°-20°	231.5	4.2
20°-30°	298.2	5.4
30°-40°	283.4	5.1
40°-50°	242.8	4.4
50°-60°	184.9	3.3
60°-70°	116.9	2.1
70°-80°	58.4	1.1
80°-90°	18.6	0.3
90°-100°	46.0	0.8
100°-110°	168.6	3.0
110°-120°	450.7	8.1
120°-130°	744.0	13.4
130°-140°	791.2	14.2
140°-150°	735.4	13.2
150°-160°	591.2	10.6
160°-170°	381.0	6.9
170°-180°	131.1	2.4
0°-30°	612.8	11.0
0°-40°	896.2	16.1
0°-60°	1323.9	23.8
0°-90°	1517.7	27.3
90°-120°	665.3	12.0
90°-150°	2935.8	52.8
90°-180°	4039.0	72.7
0°-180°	5556.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	876	876	876	876	876	
5°	975	878	779	878	975	96
15°	1100	833	516	833	1100	297
25°	587	741	374	741	587	279
35°	289	611	276	611	289	185
45°	201	461	197	461	201	156
55°	139	313	138	313	139	122
65°	72	190	82	190	72	74
75°	38	90	44	90	38	41
85°	11	20	12	20	11	12
90°	27	1	27	1	27	12
95°	43	65	43	65	43	40
105°	76	303	76	303	76	79
115°	82	574	82	574	82	205
125°	853	811	853	811	853	738
135°	1036	1003	1036	1003	1036	799
145°	1182	1164	1182	1164	1182	739
155°	1282	1282	1282	1282	1282	592
165°	1347	1350	1347	1350	1347	380
175°	1373	1381	1373	1381	1373	131
180°	1378	1378	1378	1378	1378	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	911.8	912.6	913.3	911.6	911.6	910.1	906.9	904.5	897.6	896.7	896.7
5°	974.9	974.3	975.5	971.5	966.0	964.8	959.0	951.5	943.5	934.7	932.9
7.5°	1037.6	1036.7	1034.3	1033.6	1029.4	1020.2	1010.9	1000.9	987.8	974.9	968.5
10°	1069.3	1079.3	1073.3	1062.6	1064.7	1050.4	1042.8	1029.7	1018.7	999.6	995.3
12.5°	1100.4	1104.4	1102.4	1096.4	1093.7	1083.8	1073.5	1062.1	1041.9	1024.7	1009.7
15°	1100.3	1106.1	1107.7	1105.8	1107.3	1106.7	1101.2	1091.8	1074.2	1055.2	1038.9
17.5°	1019.1	1023.1	1033.1	1039.8	1048.4	1066.4	1075.3	1078.8	1076.1	1065.4	1053.8
20°	928.0	921.3	949.3	963.6	975.8	1006.2	1032.4	1042.4	1058.6	1058.3	1055.2
22.5°	798.9	800.5	827.0	844.0	879.6	910.0	939.9	977.7	1008.9	1029.6	1041.6
25°	587.0	598.6	625.1	648.2	687.8	744.4	795.9	855.6	911.8	956.3	998.7
27.5°	440.8	441.7	462.7	484.1	507.6	554.0	618.8	690.1	770.4	836.6	912.8
30°	377.6	375.7	384.6	397.6	417.8	453.6	502.4	572.4	652.5	752.4	841.2
32.5°	332.7	332.8	339.5	349.2	365.8	390.0	423.5	480.3	556.0	654.2	758.4
35°	289.3	288.9	293.8	300.8	307.8	323.3	346.2	376.0	428.1	519.8	626.3
37.5°	258.0	259.4	261.8	266.2	273.9	282.5	296.3	316.3	353.4	407.6	497.1
40°	240.5	241.2	244.5	248.2	252.7	259.4	270.7	286.8	313.9	357.1	422.6
42.5°	224.5	225.0	227.5	230.8	234.4	241.2	250.5	264.4	286.4	320.1	374.1
45°	201.0	201.0	203.1	204.6	208.6	214.7	222.3	233.8	249.1	274.0	310.0
47.5°	178.9	179.0	180.3	183.0	185.5	190.2	197.7	207.2	218.3	237.6	268.2
50°	166.2	166.6	167.5	169.6	171.1	175.4	181.2	189.4	201.0	215.9	241.4
52.5°	156.0	155.8	156.9	157.9	158.9	162.0	166.3	173.6	183.9	196.9	218.1
55°	139.4	138.2	140.1	141.5	142.5	143.7	146.1	150.7	159.6	170.5	186.3
57.5°	118.7	118.2	119.5	120.9	123.8	127.1	129.1	132.1	136.6	144.5	160.2
60°	101.7	101.7	104.4	105.3	108.7	112.9	117.2	119.7	124.3	129.4	141.0
62.5°	86.6	86.8	88.1	89.0	90.9	96.1	102.2	107.5	111.8	116.8	124.4
65°	72.5	73.1	73.1	73.7	74.9	76.1	78.5	82.8	90.4	97.4	103.2
67.5°	61.5	61.7	61.9	62.5	62.8	64.1	65.1	67.0	68.7	75.4	82.6
70°	54.2	55.1	54.8	55.4	55.7	56.3	57.6	58.5	61.2	62.7	67.0
72.5°	47.4	48.0	48.0	48.3	49.2	49.2	50.2	51.1	52.9	54.2	56.5
75°	38.4	38.1	38.4	39.0	39.3	39.5	39.5	40.8	41.7	43.0	44.4
77.5°	29.6	29.9	29.8	29.9	29.9	30.5	30.4	31.0	31.9	32.5	33.3
80°	23.7	24.1	23.7	24.1	24.4	24.6	24.4	24.6	25.6	26.2	26.2
82.5°	18.4	18.4	18.7	18.7	18.8	18.8	19.2	19.3	20.0	19.8	20.1
85°	10.9	10.7	10.7	10.7	10.9	11.3	10.9	10.9	11.3	11.3	11.3
87.5°	9.3	9.5	9.4	9.3	9.1	9.0	8.8	8.8	8.3	8.4	7.7
90°	26.9	26.5	26.0	25.6	25.2	24.4	23.2	22.2	21.0	20.0	18.2
92.5°	26.9	26.7	26.4	26.1	25.8	25.4	24.9	24.3	23.7	23.2	22.3
95°	42.9	43.1	43.3	43.5	43.8	43.3	42.2	41.1	40.0	38.9	37.3
97.5°	57.2	57.0	56.7	56.4	56.2	55.6	54.7	53.8	52.9	52.1	48.5
100°	66.9	66.4	66.0	65.5	65.1	63.9	62.1	60.4	58.6	56.8	53.1
102.5°	71.6	71.0	70.4	69.7	69.1	67.7	65.4	63.0	60.7	58.5	89.9
105°	75.8	74.9	74.0	73.1	72.2	70.6	68.2	65.7	63.3	60.8	121.3
107.5°	78.0	77.1	76.2	75.3	74.4	75.3	77.7	80.2	82.7	85.2	157.8
110°	78.8	77.9	77.0	76.1	75.3	85.9	108.0	130.2	152.4	174.6	238.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	79.6	78.8	78.2	77.5	76.7	116.8	197.7	278.5	359.4	440.2	456.1
115°	81.8	97.8	113.7	129.6	145.6	204.9	307.5	410.1	512.7	615.4	609.8
117.5°	333.9	386.4	438.8	491.2	543.6	582.3	607.1	631.9	656.7	681.6	677.8
120°	608.4	638.3	668.2	698.1	728.1	741.7	739.0	736.4	733.7	731.0	727.1
122.5°	759.1	765.0	770.8	776.6	782.4	784.5	782.9	781.3	779.7	778.1	773.8
125°	852.7	852.1	851.4	850.7	850.0	849.0	847.4	845.9	844.3	842.8	838.5
127.5°	911.7	911.6	911.5	911.3	911.3	910.0	907.8	905.5	903.3	901.0	897.8
130°	948.4	948.7	948.9	949.1	949.3	948.2	945.8	943.4	940.9	938.5	936.0
132.5°	984.4	984.6	984.8	985.0	985.2	984.3	982.2	980.2	978.0	976.0	973.5
135°	1036.2	1036.7	1037.1	1037.5	1038.0	1037.1	1034.9	1032.7	1030.5	1028.3	1026.2
137.5°	1083.5	1084.3	1085.0	1085.7	1086.5	1085.8	1083.6	1081.4	1079.3	1077.1	1074.8
140°	1113.0	1114.1	1115.2	1116.3	1117.4	1117.0	1115.0	1113.0	1111.0	1109.1	1106.6
142.5°	1141.7	1142.8	1143.9	1145.1	1146.1	1145.8	1144.0	1142.2	1140.4	1138.6	1135.7
145°	1181.9	1182.9	1184.1	1185.1	1186.3	1186.0	1184.5	1182.9	1181.4	1179.8	1176.1
147.5°	1217.2	1218.1	1219.0	1219.9	1220.8	1220.7	1219.6	1218.5	1217.3	1216.1	1212.4
150°	1238.7	1239.7	1240.9	1242.0	1243.1	1243.0	1241.7	1240.3	1239.0	1237.7	1234.1
152.5°	1257.0	1258.5	1260.0	1261.4	1262.9	1263.0	1261.6	1260.3	1259.0	1257.6	1254.3
155°	1282.5	1284.3	1286.1	1287.8	1289.6	1289.9	1288.6	1287.2	1285.9	1284.6	1281.9
157.5°	1305.9	1307.7	1309.4	1311.1	1312.8	1313.0	1311.4	1309.9	1308.4	1306.9	1305.0
160°	1319.5	1321.0	1322.6	1324.1	1325.7	1325.8	1324.5	1323.1	1321.8	1320.5	1319.2
162.5°	1330.6	1332.5	1334.4	1336.4	1338.2	1338.5	1336.9	1335.5	1333.9	1332.4	1331.3
165°	1347.4	1348.9	1350.5	1352.0	1353.6	1353.6	1352.0	1350.5	1348.9	1347.4	1346.7
167.5°	1358.0	1359.9	1362.0	1363.9	1366.0	1366.1	1364.6	1363.0	1361.5	1359.9	1359.3
170°	1364.3	1366.4	1368.3	1370.4	1372.3	1372.6	1371.0	1369.5	1367.9	1366.4	1365.9
172.5°	1369.1	1371.1	1373.1	1375.1	1377.1	1377.3	1375.7	1374.2	1372.6	1371.1	1370.7
175°	1373.3	1375.5	1377.8	1380.0	1382.2	1382.5	1381.0	1379.4	1377.9	1376.3	1375.9
177.5°	1375.9	1377.5	1379.1	1380.7	1382.3	1382.5	1381.2	1380.0	1378.8	1377.5	1377.3
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	897.2	895.3	893.6	889.2	887.0	882.1	881.3	881.1	874.8	868.7	867.0
5°	928.0	923.2	915.8	907.3	898.5	889.3	883.2	878.4	866.2	854.6	847.9
7.5°	959.0	948.6	936.0	919.8	906.4	891.3	880.1	870.0	852.7	836.2	825.0
10°	982.2	965.2	948.4	926.2	908.8	891.8	876.0	862.3	842.8	820.8	805.3
12.5°	996.5	977.8	954.7	933.0	910.5	888.8	867.6	850.0	827.2	804.5	786.0
15°	1016.0	995.9	967.9	936.9	907.9	879.6	855.2	833.3	803.5	776.4	753.8
17.5°	1031.9	1004.2	974.1	938.2	904.7	868.8	837.4	809.3	776.2	743.5	717.0
20°	1037.0	1009.6	974.9	939.0	899.4	857.0	823.3	792.8	757.2	721.5	691.1
22.5°	1033.8	1012.5	973.9	930.9	890.4	846.1	808.0	772.6	733.1	696.8	661.5
25°	1012.4	1005.0	968.5	921.6	875.3	823.9	779.8	741.0	696.0	657.0	618.6
27.5°	962.2	978.0	955.4	905.4	853.9	798.7	749.2	705.2	658.4	614.5	576.3
30°	914.0	950.2	940.4	894.2	836.7	782.4	726.8	680.8	630.9	585.8	548.0
32.5°	848.0	907.8	917.4	878.6	819.1	759.5	701.2	655.4	603.3	555.8	519.0
35°	742.9	832.4	873.5	848.8	789.1	725.0	664.6	611.4	559.0	512.1	475.6
37.5°	617.5	739.4	808.0	809.7	754.9	688.1	622.5	569.6	515.9	469.9	430.4
40°	536.1	668.3	757.5	777.3	731.0	658.8	592.5	538.6	486.2	441.2	395.8
42.5°	463.1	594.8	704.4	738.8	702.1	630.4	563.8	507.4	456.5	413.8	367.5
45°	374.5	489.6	610.4	672.0	651.6	585.1	514.9	461.3	413.4	376.6	332.2
47.5°	315.9	397.1	514.0	597.2	596.8	536.2	467.1	415.7	371.4	336.9	300.8
50°	282.5	353.2	452.2	546.5	554.4	503.6	437.8	386.9	345.6	309.3	280.4
52.5°	252.6	310.8	399.7	490.2	512.7	468.7	405.0	358.0	317.8	284.5	259.7
55°	213.4	258.4	326.1	410.7	444.8	413.8	357.1	313.3	280.7	252.7	231.4
57.5°	180.5	214.3	268.6	336.7	376.4	356.9	310.2	274.6	246.7	221.4	204.6
60°	159.9	187.5	233.5	290.5	334.3	320.6	280.7	247.5	223.8	201.9	186.1
62.5°	140.4	164.2	203.6	249.8	290.0	284.3	251.8	223.9	203.1	183.1	169.7
65°	112.9	130.3	161.0	197.3	229.6	232.3	208.9	190.0	171.4	155.6	143.7
67.5°	89.9	101.3	122.9	153.4	177.7	186.3	171.9	157.5	142.8	130.5	120.3
70°	75.8	85.0	100.8	125.5	147.7	156.8	148.5	137.3	124.5	114.5	105.7
72.5°	61.5	70.4	82.0	100.1	119.2	129.1	126.2	118.1	107.7	99.4	91.1
75°	46.3	49.0	56.9	69.1	84.1	92.5	94.7	90.4	82.2	75.8	70.9
77.5°	34.2	35.9	39.6	46.1	55.8	63.3	66.5	66.0	60.3	56.7	52.1
80°	27.4	28.3	30.2	32.9	40.2	47.8	49.9	49.9	46.0	44.4	39.9
82.5°	20.8	21.5	22.6	24.1	27.6	34.2	36.5	37.0	34.5	32.5	28.9
85°	11.9	11.6	12.1	13.1	13.7	15.5	19.2	19.8	19.2	16.7	15.8
87.5°	7.4	7.3	6.9	6.3	6.0	5.8	6.5	7.3	6.8	6.5	6.5
90°	16.4	14.6	12.9	10.8	8.3	5.9	3.4	1.0	3.4	5.9	8.3
92.5°	21.4	20.5	19.6	19.2	19.5	19.7	19.9	20.1	19.9	19.7	19.5
95°	35.8	34.2	32.7	35.5	42.9	50.2	57.5	64.8	57.5	50.2	42.9
97.5°	44.8	41.3	37.7	46.2	66.9	87.4	108.0	128.7	108.0	87.4	66.9
100°	49.3	45.6	41.7	55.1	85.4	115.8	146.2	176.5	146.2	115.8	85.4
102.5°	121.5	153.0	184.5	203.5	209.9	216.3	222.7	229.2	222.7	216.3	209.9
105°	181.8	242.4	302.9	329.8	323.1	316.5	309.8	303.2	309.8	316.5	323.1
107.5°	230.3	302.9	375.4	409.0	403.7	398.3	392.9	387.6	392.9	398.3	403.7
110°	302.6	366.7	430.7	460.4	455.8	451.1	446.5	441.8	446.5	451.1	455.8



TEST NUMBER: P331797-930

CATALOG NUMBER: S122RDIW-S485D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	471.9	487.7	503.5	509.4	505.2	501.1	497.0	492.8	497.0	501.1	505.2
115°	604.3	598.8	593.2	588.6	584.7	581.0	577.2	573.5	577.2	581.0	584.7
117.5°	673.9	670.1	666.3	662.3	658.1	653.9	649.7	645.5	649.7	653.9	658.1
120°	723.1	719.1	715.1	711.4	708.1	704.7	701.5	698.1	701.5	704.7	708.1
122.5°	769.4	765.1	760.8	756.8	753.3	749.8	746.3	742.8	746.3	749.8	753.3
125°	834.3	830.1	825.9	822.3	819.5	816.6	813.7	810.8	813.7	816.6	819.5
127.5°	894.7	891.5	888.4	885.3	882.1	878.8	875.6	872.5	875.6	878.8	882.1
130°	933.6	931.2	928.7	925.8	922.2	918.7	915.1	911.6	915.1	918.7	922.2
132.5°	971.1	968.7	966.2	963.5	960.5	957.5	954.5	951.5	954.5	957.5	960.5
135°	1024.3	1022.2	1020.3	1017.5	1013.9	1010.4	1006.8	1003.3	1006.8	1010.4	1013.9
137.5°	1072.6	1070.3	1068.0	1065.7	1063.2	1060.7	1058.3	1055.7	1058.3	1060.7	1063.2
140°	1104.2	1101.7	1099.3	1097.1	1095.4	1093.6	1091.8	1090.1	1091.8	1093.6	1095.4
142.5°	1132.9	1130.2	1127.4	1125.2	1123.6	1122.0	1120.4	1118.8	1120.4	1122.0	1123.6
145°	1172.3	1168.6	1164.7	1163.0	1163.2	1163.4	1163.7	1163.8	1163.7	1163.4	1163.2
147.5°	1208.7	1204.9	1201.3	1199.8	1200.6	1201.5	1202.3	1203.1	1202.3	1201.5	1200.6
150°	1230.6	1227.0	1223.5	1222.5	1224.0	1225.6	1227.2	1228.7	1227.2	1225.6	1224.0
152.5°	1250.9	1247.5	1244.1	1243.3	1245.0	1246.8	1248.5	1250.3	1248.5	1246.8	1245.0
155°	1279.2	1276.6	1273.9	1273.6	1275.5	1277.6	1279.5	1281.6	1279.5	1277.6	1275.5
157.5°	1303.2	1301.3	1299.4	1299.3	1301.1	1302.7	1304.4	1306.1	1304.4	1302.7	1301.1
160°	1317.8	1316.5	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5	1319.2	1317.8	1316.5
162.5°	1330.1	1328.9	1327.8	1327.9	1329.3	1330.6	1331.9	1333.3	1331.9	1330.6	1329.3
165°	1346.1	1345.4	1344.8	1345.1	1346.4	1347.7	1349.1	1350.4	1349.1	1347.7	1346.4
167.5°	1358.7	1358.1	1357.5	1357.8	1359.2	1360.5	1361.8	1363.2	1361.8	1360.5	1359.2
170°	1365.5	1365.0	1364.6	1365.0	1366.4	1367.7	1369.0	1370.4	1369.0	1367.7	1366.4
172.5°	1370.2	1369.8	1369.4	1369.8	1371.1	1372.5	1373.8	1375.1	1373.8	1372.5	1371.1
175°	1375.4	1375.0	1374.5	1375.1	1376.6	1378.2	1379.7	1381.3	1379.7	1378.2	1376.6
177.5°	1377.1	1377.0	1376.8	1377.3	1378.6	1379.8	1381.0	1382.3	1381.0	1379.8	1378.6
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331797-930

CATALOG NUMBER: S122RDIW-S485D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	863.8	862.1	858.9	854.1	851.2	846.0	842.6	844.6	845.1	844.6	844.1
5°	840.7	834.2	825.4	816.8	808.9	800.5	795.6	793.4	789.1	786.8	785.5
7.5°	812.5	801.5	789.0	774.2	761.6	748.4	741.6	738.3	729.5	724.8	720.6
10°	791.6	774.2	761.7	742.2	730.4	713.1	701.2	701.5	689.6	682.9	678.0
12.5°	768.5	749.4	728.6	711.1	694.6	680.7	666.3	660.6	647.9	641.5	628.4
15°	730.1	707.8	686.0	662.2	645.5	623.9	603.2	577.9	557.5	539.8	534.9
17.5°	688.2	660.7	638.7	610.8	582.1	545.8	521.8	507.1	494.8	485.5	478.6
20°	659.5	631.4	608.1	566.0	527.3	502.6	485.0	473.8	461.0	450.9	445.4
22.5°	629.2	600.1	568.1	521.1	491.1	471.2	455.5	442.5	433.9	426.1	421.1
25°	586.4	554.4	501.7	469.4	445.2	424.4	413.4	405.5	396.4	385.7	380.9
27.5°	541.1	490.2	452.4	428.4	405.2	391.8	381.9	370.1	361.9	357.1	352.0
30°	507.2	456.4	426.9	400.6	384.3	369.3	357.8	351.1	343.2	334.9	331.6
32.5°	469.4	428.8	400.6	378.8	362.1	349.4	340.2	329.4	323.7	318.6	311.6
35°	422.6	391.8	366.0	348.3	332.5	322.1	311.4	305.1	294.7	290.5	287.7
37.5°	382.9	356.2	336.9	318.3	305.7	294.3	287.8	277.6	273.1	267.2	261.4
40°	360.4	334.3	315.8	300.5	286.5	277.9	269.8	261.5	254.9	252.1	245.1
42.5°	337.6	316.3	297.7	281.0	271.7	262.6	252.3	246.2	239.2	234.8	230.5
45°	306.0	287.1	271.3	257.6	247.2	237.8	231.1	221.0	217.1	208.2	204.6
47.5°	278.2	260.7	245.6	232.5	222.4	216.3	206.5	198.6	192.3	186.9	182.2
50°	258.4	243.9	229.3	217.7	208.6	199.7	189.7	185.7	175.9	173.3	170.5
52.5°	240.4	226.6	213.2	201.9	192.7	184.2	175.3	170.2	163.5	160.8	158.8
55°	215.2	201.9	189.1	179.0	169.9	161.0	155.6	149.2	146.1	144.0	141.5
57.5°	189.9	177.9	168.0	157.9	148.7	141.7	135.3	131.5	128.3	125.6	122.6
60°	173.8	162.2	153.4	144.0	134.6	128.8	123.9	119.4	115.7	111.5	110.2
62.5°	156.8	146.7	138.6	129.4	121.2	115.9	111.3	107.0	102.6	96.4	94.7
65°	133.4	125.5	116.9	109.3	102.0	96.9	90.1	85.3	83.4	82.8	82.5
67.5°	112.2	104.7	97.3	89.6	82.9	78.1	74.7	73.9	72.7	72.3	71.5
70°	98.0	91.1	83.7	76.4	70.0	69.1	67.9	66.7	65.1	64.6	63.9
72.5°	85.4	78.1	70.8	65.0	62.2	61.1	59.8	58.6	57.6	57.0	56.7
75°	65.5	58.8	53.9	51.8	50.2	49.3	47.5	46.6	46.0	45.1	44.8
77.5°	47.1	43.4	41.1	39.8	38.2	37.2	36.2	35.2	34.6	34.4	33.9
80°	36.0	34.1	32.6	30.7	30.2	28.9	28.6	27.7	28.0	27.1	27.1
82.5°	27.9	25.6	24.3	23.5	22.8	21.9	21.5	21.1	21.2	20.5	20.5
85°	14.3	13.7	13.1	12.5	12.5	11.6	11.9	11.6	11.6	10.9	10.7
87.5°	6.8	6.9	6.8	7.2	7.5	7.7	7.8	7.8	8.1	8.3	8.2
90°	10.8	12.9	14.6	16.4	18.2	20.0	21.0	22.2	23.2	24.4	25.2
92.5°	19.2	19.6	20.5	21.4	22.3	23.2	23.7	24.3	24.9	25.4	25.8
95°	35.5	32.7	34.2	35.8	37.3	38.9	40.0	41.1	42.2	43.3	43.8
97.5°	46.2	37.7	41.3	44.8	48.5	52.1	52.9	53.8	54.7	55.6	56.2
100°	55.1	41.7	45.6	49.3	53.1	56.8	58.6	60.4	62.1	63.9	65.1
102.5°	203.5	184.5	153.0	121.5	89.9	58.5	60.7	63.0	65.4	67.7	69.1
105°	329.8	302.9	242.4	181.8	121.3	60.8	63.3	65.7	68.2	70.6	72.2
107.5°	409.0	375.4	302.9	230.3	157.8	85.2	82.7	80.2	77.7	75.3	74.4
110°	460.4	430.7	366.7	302.6	238.6	174.6	152.4	130.2	108.0	85.9	75.3



TEST NUMBER: P331797-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	509.4	503.5	487.7	471.9	456.1	440.2	359.4	278.5	197.7	116.8	76.7
115°	588.6	593.2	598.8	604.3	609.8	615.4	512.7	410.1	307.5	204.9	145.6
117.5°	662.3	666.3	670.1	673.9	677.8	681.6	656.7	631.9	607.1	582.3	543.6
120°	711.4	715.1	719.1	723.1	727.1	731.0	733.7	736.4	739.0	741.7	728.1
122.5°	756.8	760.8	765.1	769.4	773.8	778.1	779.7	781.3	782.9	784.5	782.4
125°	822.3	825.9	830.1	834.3	838.5	842.8	844.3	845.9	847.4	849.0	850.0
127.5°	885.3	888.4	891.5	894.7	897.8	901.0	903.3	905.5	907.8	910.0	911.3
130°	925.8	928.7	931.2	933.6	936.0	938.5	940.9	943.4	945.8	948.2	949.3
132.5°	963.5	966.2	968.7	971.1	973.5	976.0	978.0	980.2	982.2	984.3	985.2
135°	1017.5	1020.3	1022.2	1024.3	1026.2	1028.3	1030.5	1032.7	1034.9	1037.1	1038.0
137.5°	1065.7	1068.0	1070.3	1072.6	1074.8	1077.1	1079.3	1081.4	1083.6	1085.8	1086.5
140°	1097.1	1099.3	1101.7	1104.2	1106.6	1109.1	1111.0	1113.0	1115.0	1117.0	1117.4
142.5°	1125.2	1127.4	1130.2	1132.9	1135.7	1138.6	1140.4	1142.2	1144.0	1145.8	1146.1
145°	1163.0	1164.7	1168.6	1172.3	1176.1	1179.8	1181.4	1182.9	1184.5	1186.0	1186.3
147.5°	1199.8	1201.3	1204.9	1208.7	1212.4	1216.1	1217.3	1218.5	1219.6	1220.7	1220.8
150°	1222.5	1223.5	1227.0	1230.6	1234.1	1237.7	1239.0	1240.3	1241.7	1243.0	1243.1
152.5°	1243.3	1244.1	1247.5	1250.9	1254.3	1257.6	1259.0	1260.3	1261.6	1263.0	1262.9
155°	1273.6	1273.9	1276.6	1279.2	1281.9	1284.6	1285.9	1287.2	1288.6	1289.9	1289.6
157.5°	1299.3	1299.4	1301.3	1303.2	1305.0	1306.9	1308.4	1309.9	1311.4	1313.0	1312.8
160°	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5	1321.8	1323.1	1324.5	1325.8	1325.7
162.5°	1327.9	1327.8	1328.9	1330.1	1331.3	1332.4	1333.9	1335.5	1336.9	1338.5	1338.2
165°	1345.1	1344.8	1345.4	1346.1	1346.7	1347.4	1348.9	1350.5	1352.0	1353.6	1353.6
167.5°	1357.8	1357.5	1358.1	1358.7	1359.3	1359.9	1361.5	1363.0	1364.6	1366.1	1366.0
170°	1365.0	1364.6	1365.0	1365.5	1365.9	1366.4	1367.9	1369.5	1371.0	1372.6	1372.3
172.5°	1369.8	1369.4	1369.8	1370.2	1370.7	1371.1	1372.6	1374.2	1375.7	1377.3	1377.1
175°	1375.1	1374.5	1375.0	1375.4	1375.9	1376.3	1377.9	1379.4	1381.0	1382.5	1382.2
177.5°	1377.3	1376.8	1377.0	1377.1	1377.3	1377.5	1378.8	1380.0	1381.2	1382.5	1382.3
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331797-930

CATALOG NUMBER: S122RDIW-S485D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	841.4	841.9	841.1	841.6	841.1	841.9	841.4	844.1	844.6	845.1	844.6
5°	784.0	780.3	779.8	778.9	779.8	780.3	784.0	785.5	786.8	789.1	793.4
7.5°	715.4	714.9	713.4	711.2	713.4	714.9	715.4	720.6	724.8	729.5	738.3
10°	671.3	669.8	669.5	667.4	669.5	669.8	671.3	678.0	682.9	689.6	701.5
12.5°	619.7	609.9	608.9	603.6	608.9	609.9	619.7	628.4	641.5	647.9	660.6
15°	527.7	525.8	519.8	515.8	519.8	525.8	527.7	534.9	539.8	557.5	577.9
17.5°	475.0	469.0	467.2	466.4	467.2	469.0	475.0	478.6	485.5	494.8	507.1
20°	441.2	435.7	434.8	434.1	434.8	435.7	441.2	445.4	450.9	461.0	473.8
22.5°	417.8	412.1	409.7	407.9	409.7	412.1	417.8	421.1	426.1	433.9	442.5
25°	377.8	375.7	374.5	373.9	374.5	375.7	377.8	380.9	385.7	396.4	405.5
27.5°	346.6	341.9	341.0	339.4	341.0	341.9	346.6	352.0	357.1	361.9	370.1
30°	328.8	327.3	325.1	323.3	325.1	327.3	328.8	331.6	334.9	343.2	351.1
32.5°	307.9	306.6	304.7	303.9	304.7	306.6	307.9	311.6	318.6	323.7	329.4
35°	284.7	280.4	278.6	275.8	278.6	280.4	284.7	287.7	290.5	294.7	305.1
37.5°	260.2	257.9	255.4	256.2	255.4	257.9	260.2	261.4	267.2	273.1	277.6
40°	241.2	239.6	239.0	238.7	239.0	239.6	241.2	245.1	252.1	254.9	261.5
42.5°	226.0	221.8	220.2	220.2	220.2	221.8	226.0	230.5	234.8	239.2	246.2
45°	203.1	199.1	196.4	196.7	196.4	199.1	203.1	204.6	208.2	217.1	221.0
47.5°	179.6	179.4	177.7	178.3	177.7	179.4	179.6	182.2	186.9	192.3	198.6
50°	168.4	166.6	165.3	165.6	165.3	166.6	168.4	170.5	173.3	175.9	185.7
52.5°	157.7	156.0	155.1	156.4	155.1	156.0	157.7	158.8	160.8	163.5	170.2
55°	140.1	138.2	137.9	137.6	137.9	138.2	140.1	141.5	144.0	146.1	149.2
57.5°	120.4	119.2	117.3	116.6	117.3	119.2	120.4	122.6	125.6	128.3	131.5
60°	106.2	103.8	100.8	100.4	100.8	103.8	106.2	110.2	111.5	115.7	119.4
62.5°	93.4	92.9	92.3	92.2	92.3	92.9	93.4	94.7	96.4	102.6	107.0
65°	81.9	81.6	81.9	82.2	81.9	81.6	81.9	82.5	82.8	83.4	85.3
67.5°	71.3	70.8	70.3	70.5	70.3	70.8	71.3	71.5	72.3	72.7	73.9
70°	63.3	63.0	62.7	62.7	62.7	63.0	63.3	63.9	64.6	65.1	66.7
72.5°	55.5	55.4	55.2	55.0	55.2	55.4	55.5	56.7	57.0	57.6	58.6
75°	44.4	43.9	43.9	43.9	43.9	43.9	44.4	44.8	45.1	46.0	46.6
77.5°	33.8	33.6	33.3	33.0	33.3	33.6	33.8	33.9	34.4	34.6	35.2
80°	26.8	26.5	26.2	26.2	26.2	26.5	26.8	27.1	27.1	28.0	27.7
82.5°	20.5	20.1	20.1	19.8	20.1	20.1	20.5	20.5	20.5	21.2	21.1
85°	10.9	11.3	10.9	11.6	10.9	11.3	10.9	10.7	10.9	11.6	11.6
87.5°	8.3	8.2	8.5	8.3	8.5	8.2	8.3	8.2	8.3	8.1	7.8
90°	25.6	26.0	26.5	26.9	26.5	26.0	25.6	25.2	24.4	23.2	22.2
92.5°	26.1	26.4	26.7	26.9	26.7	26.4	26.1	25.8	25.4	24.9	24.3
95°	43.5	43.3	43.1	42.9	43.1	43.3	43.5	43.8	43.3	42.2	41.1
97.5°	56.4	56.7	57.0	57.2	57.0	56.7	56.4	56.2	55.6	54.7	53.8
100°	65.5	66.0	66.4	66.9	66.4	66.0	65.5	65.1	63.9	62.1	60.4
102.5°	69.7	70.4	71.0	71.6	71.0	70.4	69.7	69.1	67.7	65.4	63.0
105°	73.1	74.0	74.9	75.8	74.9	74.0	73.1	72.2	70.6	68.2	65.7
107.5°	75.3	76.2	77.1	78.0	77.1	76.2	75.3	74.4	75.3	77.7	80.2
110°	76.1	77.0	77.9	78.8	77.9	77.0	76.1	75.3	85.9	108.0	130.2



TEST NUMBER: P331797-930

CATALOG NUMBER: S122RDIW-S485D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	77.5	78.2	78.8	79.6	78.8	78.2	77.5	76.7	116.8	197.7	278.5
115°	129.6	113.7	97.8	81.8	97.8	113.7	129.6	145.6	204.9	307.5	410.1
117.5°	491.2	438.8	386.4	333.9	386.4	438.8	491.2	543.6	582.3	607.1	631.9
120°	698.1	668.2	638.3	608.4	638.3	668.2	698.1	728.1	741.7	739.0	736.4
122.5°	776.6	770.8	765.0	759.1	765.0	770.8	776.6	782.4	784.5	782.9	781.3
125°	850.7	851.4	852.1	852.7	852.1	851.4	850.7	850.0	849.0	847.4	845.9
127.5°	911.3	911.5	911.6	911.7	911.6	911.5	911.3	911.3	910.0	907.8	905.5
130°	949.1	948.9	948.7	948.4	948.7	948.9	949.1	949.3	948.2	945.8	943.4
132.5°	985.0	984.8	984.6	984.4	984.6	984.8	985.0	985.2	984.3	982.2	980.2
135°	1037.5	1037.1	1036.7	1036.2	1036.7	1037.1	1037.5	1038.0	1037.1	1034.9	1032.7
137.5°	1085.7	1085.0	1084.3	1083.5	1084.3	1085.0	1085.7	1086.5	1085.8	1083.6	1081.4
140°	1116.3	1115.2	1114.1	1113.0	1114.1	1115.2	1116.3	1117.4	1117.0	1115.0	1113.0
142.5°	1145.1	1143.9	1142.8	1141.7	1142.8	1143.9	1145.1	1146.1	1145.8	1144.0	1142.2
145°	1185.1	1184.1	1182.9	1181.9	1182.9	1184.1	1185.1	1186.3	1186.0	1184.5	1182.9
147.5°	1219.9	1219.0	1218.1	1217.2	1218.1	1219.0	1219.9	1220.8	1220.7	1219.6	1218.5
150°	1242.0	1240.9	1239.7	1238.7	1239.7	1240.9	1242.0	1243.1	1243.0	1241.7	1240.3
152.5°	1261.4	1260.0	1258.5	1257.0	1258.5	1260.0	1261.4	1262.9	1263.0	1261.6	1260.3
155°	1287.8	1286.1	1284.3	1282.5	1284.3	1286.1	1287.8	1289.6	1289.9	1288.6	1287.2
157.5°	1311.1	1309.4	1307.7	1305.9	1307.7	1309.4	1311.1	1312.8	1313.0	1311.4	1309.9
160°	1324.1	1322.6	1321.0	1319.5	1321.0	1322.6	1324.1	1325.7	1325.8	1324.5	1323.1
162.5°	1336.4	1334.4	1332.5	1330.6	1332.5	1334.4	1336.4	1338.2	1338.5	1336.9	1335.5
165°	1352.0	1350.5	1348.9	1347.4	1348.9	1350.5	1352.0	1353.6	1353.6	1352.0	1350.5
167.5°	1363.9	1362.0	1359.9	1358.0	1359.9	1362.0	1363.9	1366.0	1366.1	1364.6	1363.0
170°	1370.4	1368.3	1366.4	1364.3	1366.4	1368.3	1370.4	1372.3	1372.6	1371.0	1369.5
172.5°	1375.1	1373.1	1371.1	1369.1	1371.1	1373.1	1375.1	1377.1	1377.3	1375.7	1374.2
175°	1380.0	1377.8	1375.5	1373.3	1375.5	1377.8	1380.0	1382.2	1382.5	1381.0	1379.4
177.5°	1380.7	1379.1	1377.5	1375.9	1377.5	1379.1	1380.7	1382.3	1382.5	1381.2	1380.0
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	842.6	846.0	851.2	854.1	858.9	862.1	863.8	867.0	868.7	874.8	881.1
5°	795.6	800.5	808.9	816.8	825.4	834.2	840.7	847.9	854.6	866.2	878.4
7.5°	741.6	748.4	761.6	774.2	789.0	801.5	812.5	825.0	836.2	852.7	870.0
10°	701.2	713.1	730.4	742.2	761.7	774.2	791.6	805.3	820.8	842.8	862.3
12.5°	666.3	680.7	694.6	711.1	728.6	749.4	768.5	786.0	804.5	827.2	850.0
15°	603.2	623.9	645.5	662.2	686.0	707.8	730.1	753.8	776.4	803.5	833.3
17.5°	521.8	545.8	582.1	610.8	638.7	660.7	688.2	717.0	743.5	776.2	809.3
20°	485.0	502.6	527.3	566.0	608.1	631.4	659.5	691.1	721.5	757.2	792.8
22.5°	455.5	471.2	491.1	521.1	568.1	600.1	629.2	661.5	696.8	733.1	772.6
25°	413.4	424.4	445.2	469.4	501.7	554.4	586.4	618.6	657.0	696.0	741.0
27.5°	381.9	391.8	405.2	428.4	452.4	490.2	541.1	576.3	614.5	658.4	705.2
30°	357.8	369.3	384.3	400.6	426.9	456.4	507.2	548.0	585.8	630.9	680.8
32.5°	340.2	349.4	362.1	378.8	400.6	428.8	469.4	519.0	555.8	603.3	655.4
35°	311.4	322.1	332.5	348.3	366.0	391.8	422.6	475.6	512.1	559.0	611.4
37.5°	287.8	294.3	305.7	318.3	336.9	356.2	382.9	430.4	469.9	515.9	569.6
40°	269.8	277.9	286.5	300.5	315.8	334.3	360.4	395.8	441.2	486.2	538.6
42.5°	252.3	262.6	271.7	281.0	297.7	316.3	337.6	367.5	413.8	456.5	507.4
45°	231.1	237.8	247.2	257.6	271.3	287.1	306.0	332.2	376.6	413.4	461.3
47.5°	206.5	216.3	222.4	232.5	245.6	260.7	278.2	300.8	336.9	371.4	415.7
50°	189.7	199.7	208.6	217.7	229.3	243.9	258.4	280.4	309.3	345.6	386.9
52.5°	175.3	184.2	192.7	201.9	213.2	226.6	240.4	259.7	284.5	317.8	358.0
55°	155.6	161.0	169.9	179.0	189.1	201.9	215.2	231.4	252.7	280.7	313.3
57.5°	135.3	141.7	148.7	157.9	168.0	177.9	189.9	204.6	221.4	246.7	274.6
60°	123.9	128.8	134.6	144.0	153.4	162.2	173.8	186.1	201.9	223.8	247.5
62.5°	111.3	115.9	121.2	129.4	138.6	146.7	156.8	169.7	183.1	203.1	223.9
65°	90.1	96.9	102.0	109.3	116.9	125.5	133.4	143.7	155.6	171.4	190.0
67.5°	74.7	78.1	82.9	89.6	97.3	104.7	112.2	120.3	130.5	142.8	157.5
70°	67.9	69.1	70.0	76.4	83.7	91.1	98.0	105.7	114.5	124.5	137.3
72.5°	59.8	61.1	62.2	65.0	70.8	78.1	85.4	91.1	99.4	107.7	118.1
75°	47.5	49.3	50.2	51.8	53.9	58.8	65.5	70.9	75.8	82.2	90.4
77.5°	36.2	37.2	38.2	39.8	41.1	43.4	47.1	52.1	56.7	60.3	66.0
80°	28.6	28.9	30.2	30.7	32.6	34.1	36.0	39.9	44.4	46.0	49.9
82.5°	21.5	21.9	22.8	23.5	24.3	25.6	27.9	28.9	32.5	34.5	37.0
85°	11.9	11.6	12.5	12.5	13.1	13.7	14.3	15.8	16.7	19.2	19.8
87.5°	7.8	7.7	7.5	7.2	6.8	6.9	6.8	6.5	6.5	6.8	7.3
90°	21.0	20.0	18.2	16.4	14.6	12.9	10.8	8.3	5.9	3.4	1.0
92.5°	23.7	23.2	22.3	21.4	20.5	19.6	19.2	19.5	19.7	19.9	20.1
95°	40.0	38.9	37.3	35.8	34.2	32.7	35.5	42.9	50.2	57.5	64.8
97.5°	52.9	52.1	48.5	44.8	41.3	37.7	46.2	66.9	87.4	108.0	128.7
100°	58.6	56.8	53.1	49.3	45.6	41.7	55.1	85.4	115.8	146.2	176.5
102.5°	60.7	58.5	89.9	121.5	153.0	184.5	203.5	209.9	216.3	222.7	229.2
105°	63.3	60.8	121.3	181.8	242.4	302.9	329.8	323.1	316.5	309.8	303.2
107.5°	82.7	85.2	157.8	230.3	302.9	375.4	409.0	403.7	398.3	392.9	387.6
110°	152.4	174.6	238.6	302.6	366.7	430.7	460.4	455.8	451.1	446.5	441.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	359.4	440.2	456.1	471.9	487.7	503.5	509.4	505.2	501.1	497.0	492.8
115°	512.7	615.4	609.8	604.3	598.8	593.2	588.6	584.7	581.0	577.2	573.5
117.5°	656.7	681.6	677.8	673.9	670.1	666.3	662.3	658.1	653.9	649.7	645.5
120°	733.7	731.0	727.1	723.1	719.1	715.1	711.4	708.1	704.7	701.5	698.1
122.5°	779.7	778.1	773.8	769.4	765.1	760.8	756.8	753.3	749.8	746.3	742.8
125°	844.3	842.8	838.5	834.3	830.1	825.9	822.3	819.5	816.6	813.7	810.8
127.5°	903.3	901.0	897.8	894.7	891.5	888.4	885.3	882.1	878.8	875.6	872.5
130°	940.9	938.5	936.0	933.6	931.2	928.7	925.8	922.2	918.7	915.1	911.6
132.5°	978.0	976.0	973.5	971.1	968.7	966.2	963.5	960.5	957.5	954.5	951.5
135°	1030.5	1028.3	1026.2	1024.3	1022.2	1020.3	1017.5	1013.9	1010.4	1006.8	1003.3
137.5°	1079.3	1077.1	1074.8	1072.6	1070.3	1068.0	1065.7	1063.2	1060.7	1058.3	1055.7
140°	1111.0	1109.1	1106.6	1104.2	1101.7	1099.3	1097.1	1095.4	1093.6	1091.8	1090.1
142.5°	1140.4	1138.6	1135.7	1132.9	1130.2	1127.4	1125.2	1123.6	1122.0	1120.4	1118.8
145°	1181.4	1179.8	1176.1	1172.3	1168.6	1164.7	1163.0	1163.2	1163.4	1163.7	1163.8
147.5°	1217.3	1216.1	1212.4	1208.7	1204.9	1201.3	1199.8	1200.6	1201.5	1202.3	1203.1
150°	1239.0	1237.7	1234.1	1230.6	1227.0	1223.5	1222.5	1224.0	1225.6	1227.2	1228.7
152.5°	1259.0	1257.6	1254.3	1250.9	1247.5	1244.1	1243.3	1245.0	1246.8	1248.5	1250.3
155°	1285.9	1284.6	1281.9	1279.2	1276.6	1273.9	1273.6	1275.5	1277.6	1279.5	1281.6
157.5°	1308.4	1306.9	1305.0	1303.2	1301.3	1299.4	1299.3	1301.1	1302.7	1304.4	1306.1
160°	1321.8	1320.5	1319.2	1317.8	1316.5	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5
162.5°	1333.9	1332.4	1331.3	1330.1	1328.9	1327.8	1327.9	1329.3	1330.6	1331.9	1333.3
165°	1348.9	1347.4	1346.7	1346.1	1345.4	1344.8	1345.1	1346.4	1347.7	1349.1	1350.4
167.5°	1361.5	1359.9	1359.3	1358.7	1358.1	1357.5	1357.8	1359.2	1360.5	1361.8	1363.2
170°	1367.9	1366.4	1365.9	1365.5	1365.0	1364.6	1365.0	1366.4	1367.7	1369.0	1370.4
172.5°	1372.6	1371.1	1370.7	1370.2	1369.8	1369.4	1369.8	1371.1	1372.5	1373.8	1375.1
175°	1377.9	1376.3	1375.9	1375.4	1375.0	1374.5	1375.1	1376.6	1378.2	1379.7	1381.3
177.5°	1378.8	1377.5	1377.3	1377.1	1377.0	1376.8	1377.3	1378.6	1379.8	1381.0	1382.3
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	881.3	882.1	887.0	889.2	893.6	895.3	897.2	896.7	896.7	897.6	904.5
5°	883.2	889.3	898.5	907.3	915.8	923.2	928.0	932.9	934.7	943.5	951.5
7.5°	880.1	891.3	906.4	919.8	936.0	948.6	959.0	968.5	974.9	987.8	1000.9
10°	876.0	891.8	908.8	926.2	948.4	965.2	982.2	995.3	999.6	1018.7	1029.7
12.5°	867.6	888.8	910.5	933.0	954.7	977.8	996.5	1009.7	1024.7	1041.9	1062.1
15°	855.2	879.6	907.9	936.9	967.9	995.9	1016.0	1038.9	1055.2	1074.2	1091.8
17.5°	837.4	868.8	904.7	938.2	974.1	1004.2	1031.9	1053.8	1065.4	1076.1	1078.8
20°	823.3	857.0	899.4	939.0	974.9	1009.6	1037.0	1055.2	1058.3	1058.6	1042.4
22.5°	808.0	846.1	890.4	930.9	973.9	1012.5	1033.8	1041.6	1029.6	1008.9	977.7
25°	779.8	823.9	875.3	921.6	968.5	1005.0	1012.4	998.7	956.3	911.8	855.6
27.5°	749.2	798.7	853.9	905.4	955.4	978.0	962.2	912.8	836.6	770.4	690.1
30°	726.8	782.4	836.7	894.2	940.4	950.2	914.0	841.2	752.4	652.5	572.4
32.5°	701.2	759.5	819.1	878.6	917.4	907.8	848.0	758.4	654.2	556.0	480.3
35°	664.6	725.0	789.1	848.8	873.5	832.4	742.9	626.3	519.8	428.1	376.0
37.5°	622.5	688.1	754.9	809.7	808.0	739.4	617.5	497.1	407.6	353.4	316.3
40°	592.5	658.8	731.0	777.3	757.5	668.3	536.1	422.6	357.1	313.9	286.8
42.5°	563.8	630.4	702.1	738.8	704.4	594.8	463.1	374.1	320.1	286.4	264.4
45°	514.9	585.1	651.6	672.0	610.4	489.6	374.5	310.0	274.0	249.1	233.8
47.5°	467.1	536.2	596.8	597.2	514.0	397.1	315.9	268.2	237.6	218.3	207.2
50°	437.8	503.6	554.4	546.5	452.2	353.2	282.5	241.4	215.9	201.0	189.4
52.5°	405.0	468.7	512.7	490.2	399.7	310.8	252.6	218.1	196.9	183.9	173.6
55°	357.1	413.8	444.8	410.7	326.1	258.4	213.4	186.3	170.5	159.6	150.7
57.5°	310.2	356.9	376.4	336.7	268.6	214.3	180.5	160.2	144.5	136.6	132.1
60°	280.7	320.6	334.3	290.5	233.5	187.5	159.9	141.0	129.4	124.3	119.7
62.5°	251.8	284.3	290.0	249.8	203.6	164.2	140.4	124.4	116.8	111.8	107.5
65°	208.9	232.3	229.6	197.3	161.0	130.3	112.9	103.2	97.4	90.4	82.8
67.5°	171.9	186.3	177.7	153.4	122.9	101.3	89.9	82.6	75.4	68.7	67.0
70°	148.5	156.8	147.7	125.5	100.8	85.0	75.8	67.0	62.7	61.2	58.5
72.5°	126.2	129.1	119.2	100.1	82.0	70.4	61.5	56.5	54.2	52.9	51.1
75°	94.7	92.5	84.1	69.1	56.9	49.0	46.3	44.4	43.0	41.7	40.8
77.5°	66.5	63.3	55.8	46.1	39.6	35.9	34.2	33.3	32.5	31.9	31.0
80°	49.9	47.8	40.2	32.9	30.2	28.3	27.4	26.2	26.2	25.6	24.6
82.5°	36.5	34.2	27.6	24.1	22.6	21.5	20.8	20.1	19.8	20.0	19.3
85°	19.2	15.5	13.7	13.1	12.1	11.6	11.9	11.3	11.3	11.3	10.9
87.5°	6.5	5.8	6.0	6.3	6.9	7.3	7.4	7.7	8.4	8.3	8.8
90°	3.4	5.9	8.3	10.8	12.9	14.6	16.4	18.2	20.0	21.0	22.2
92.5°	19.9	19.7	19.5	19.2	19.6	20.5	21.4	22.3	23.2	23.7	24.3
95°	57.5	50.2	42.9	35.5	32.7	34.2	35.8	37.3	38.9	40.0	41.1
97.5°	108.0	87.4	66.9	46.2	37.7	41.3	44.8	48.5	52.1	52.9	53.8
100°	146.2	115.8	85.4	55.1	41.7	45.6	49.3	53.1	56.8	58.6	60.4
102.5°	222.7	216.3	209.9	203.5	184.5	153.0	121.5	89.9	58.5	60.7	63.0
105°	309.8	316.5	323.1	329.8	302.9	242.4	181.8	121.3	60.8	63.3	65.7
107.5°	392.9	398.3	403.7	409.0	375.4	302.9	230.3	157.8	85.2	82.7	80.2
110°	446.5	451.1	455.8	460.4	430.7	366.7	302.6	238.6	174.6	152.4	130.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	497.0	501.1	505.2	509.4	503.5	487.7	471.9	456.1	440.2	359.4	278.5
115°	577.2	581.0	584.7	588.6	593.2	598.8	604.3	609.8	615.4	512.7	410.1
117.5°	649.7	653.9	658.1	662.3	666.3	670.1	673.9	677.8	681.6	656.7	631.9
120°	701.5	704.7	708.1	711.4	715.1	719.1	723.1	727.1	731.0	733.7	736.4
122.5°	746.3	749.8	753.3	756.8	760.8	765.1	769.4	773.8	778.1	779.7	781.3
125°	813.7	816.6	819.5	822.3	825.9	830.1	834.3	838.5	842.8	844.3	845.9
127.5°	875.6	878.8	882.1	885.3	888.4	891.5	894.7	897.8	901.0	903.3	905.5
130°	915.1	918.7	922.2	925.8	928.7	931.2	933.6	936.0	938.5	940.9	943.4
132.5°	954.5	957.5	960.5	963.5	966.2	968.7	971.1	973.5	976.0	978.0	980.2
135°	1006.8	1010.4	1013.9	1017.5	1020.3	1022.2	1024.3	1026.2	1028.3	1030.5	1032.7
137.5°	1058.3	1060.7	1063.2	1065.7	1068.0	1070.3	1072.6	1074.8	1077.1	1079.3	1081.4
140°	1091.8	1093.6	1095.4	1097.1	1099.3	1101.7	1104.2	1106.6	1109.1	1111.0	1113.0
142.5°	1120.4	1122.0	1123.6	1125.2	1127.4	1130.2	1132.9	1135.7	1138.6	1140.4	1142.2
145°	1163.7	1163.4	1163.2	1163.0	1164.7	1168.6	1172.3	1176.1	1179.8	1181.4	1182.9
147.5°	1202.3	1201.5	1200.6	1199.8	1201.3	1204.9	1208.7	1212.4	1216.1	1217.3	1218.5
150°	1227.2	1225.6	1224.0	1222.5	1223.5	1227.0	1230.6	1234.1	1237.7	1239.0	1240.3
152.5°	1248.5	1246.8	1245.0	1243.3	1244.1	1247.5	1250.9	1254.3	1257.6	1259.0	1260.3
155°	1279.5	1277.6	1275.5	1273.6	1273.9	1276.6	1279.2	1281.9	1284.6	1285.9	1287.2
157.5°	1304.4	1302.7	1301.1	1299.3	1299.4	1301.3	1303.2	1305.0	1306.9	1308.4	1309.9
160°	1319.2	1317.8	1316.5	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5	1321.8	1323.1
162.5°	1331.9	1330.6	1329.3	1327.9	1327.8	1328.9	1330.1	1331.3	1332.4	1333.9	1335.5
165°	1349.1	1347.7	1346.4	1345.1	1344.8	1345.4	1346.1	1346.7	1347.4	1348.9	1350.5
167.5°	1361.8	1360.5	1359.2	1357.8	1357.5	1358.1	1358.7	1359.3	1359.9	1361.5	1363.0
170°	1369.0	1367.7	1366.4	1365.0	1364.6	1365.0	1365.5	1365.9	1366.4	1367.9	1369.5
172.5°	1373.8	1372.5	1371.1	1369.8	1369.4	1369.8	1370.2	1370.7	1371.1	1372.6	1374.2
175°	1379.7	1378.2	1376.6	1375.1	1374.5	1375.0	1375.4	1375.9	1376.3	1377.9	1379.4
177.5°	1381.0	1379.8	1378.6	1377.3	1376.8	1377.0	1377.1	1377.3	1377.5	1378.8	1380.0
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	906.9	910.1	911.6	911.6	913.3	912.6	911.8
5°	959.0	964.8	966.0	971.5	975.5	974.3	974.9
7.5°	1010.9	1020.2	1029.4	1033.6	1034.3	1036.7	1037.6
10°	1042.8	1050.4	1064.7	1062.6	1073.3	1079.3	1069.3
12.5°	1073.5	1083.8	1093.7	1096.4	1102.4	1104.4	1100.4
15°	1101.2	1106.7	1107.3	1105.8	1107.7	1106.1	1100.3
17.5°	1075.3	1066.4	1048.4	1039.8	1033.1	1023.1	1019.1
20°	1032.4	1006.2	975.8	963.6	949.3	921.3	928.0
22.5°	939.9	910.0	879.6	844.0	827.0	800.5	798.9
25°	795.9	744.4	687.8	648.2	625.1	598.6	587.0
27.5°	618.8	554.0	507.6	484.1	462.7	441.7	440.8
30°	502.4	453.6	417.8	397.6	384.6	375.7	377.6
32.5°	423.5	390.0	365.8	349.2	339.5	332.8	332.7
35°	346.2	323.3	307.8	300.8	293.8	288.9	289.3
37.5°	296.3	282.5	273.9	266.2	261.8	259.4	258.0
40°	270.7	259.4	252.7	248.2	244.5	241.2	240.5
42.5°	250.5	241.2	234.4	230.8	227.5	225.0	224.5
45°	222.3	214.7	208.6	204.6	203.1	201.0	201.0
47.5°	197.7	190.2	185.5	183.0	180.3	179.0	178.9
50°	181.2	175.4	171.1	169.6	167.5	166.6	166.2
52.5°	166.3	162.0	158.9	157.9	156.9	155.8	156.0
55°	146.1	143.7	142.5	141.5	140.1	138.2	139.4
57.5°	129.1	127.1	123.8	120.9	119.5	118.2	118.7
60°	117.2	112.9	108.7	105.3	104.4	101.7	101.7
62.5°	102.2	96.1	90.9	89.0	88.1	86.8	86.6
65°	78.5	76.1	74.9	73.7	73.1	73.1	72.5
67.5°	65.1	64.1	62.8	62.5	61.9	61.7	61.5
70°	57.6	56.3	55.7	55.4	54.8	55.1	54.2
72.5°	50.2	49.2	49.2	48.3	48.0	48.0	47.4
75°	39.5	39.5	39.3	39.0	38.4	38.1	38.4
77.5°	30.4	30.5	29.9	29.9	29.8	29.9	29.6
80°	24.4	24.6	24.4	24.1	23.7	24.1	23.7
82.5°	19.2	18.8	18.8	18.7	18.7	18.4	18.4
85°	10.9	11.3	10.9	10.7	10.7	10.7	10.9
87.5°	8.8	9.0	9.1	9.3	9.4	9.5	9.3
90°	23.2	24.4	25.2	25.6	26.0	26.5	26.9
92.5°	24.9	25.4	25.8	26.1	26.4	26.7	26.9
95°	42.2	43.3	43.8	43.5	43.3	43.1	42.9
97.5°	54.7	55.6	56.2	56.4	56.7	57.0	57.2
100°	62.1	63.9	65.1	65.5	66.0	66.4	66.9
102.5°	65.4	67.7	69.1	69.7	70.4	71.0	71.6
105°	68.2	70.6	72.2	73.1	74.0	74.9	75.8
107.5°	77.7	75.3	74.4	75.3	76.2	77.1	78.0
110°	108.0	85.9	75.3	76.1	77.0	77.9	78.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	197.7	116.8	76.7	77.5	78.2	78.8	79.6
115°	307.5	204.9	145.6	129.6	113.7	97.8	81.8
117.5°	607.1	582.3	543.6	491.2	438.8	386.4	333.9
120°	739.0	741.7	728.1	698.1	668.2	638.3	608.4
122.5°	782.9	784.5	782.4	776.6	770.8	765.0	759.1
125°	847.4	849.0	850.0	850.7	851.4	852.1	852.7
127.5°	907.8	910.0	911.3	911.3	911.5	911.6	911.7
130°	945.8	948.2	949.3	949.1	948.9	948.7	948.4
132.5°	982.2	984.3	985.2	985.0	984.8	984.6	984.4
135°	1034.9	1037.1	1038.0	1037.5	1037.1	1036.7	1036.2
137.5°	1083.6	1085.8	1086.5	1085.7	1085.0	1084.3	1083.5
140°	1115.0	1117.0	1117.4	1116.3	1115.2	1114.1	1113.0
142.5°	1144.0	1145.8	1146.1	1145.1	1143.9	1142.8	1141.7
145°	1184.5	1186.0	1186.3	1185.1	1184.1	1182.9	1181.9
147.5°	1219.6	1220.7	1220.8	1219.9	1219.0	1218.1	1217.2
150°	1241.7	1243.0	1243.1	1242.0	1240.9	1239.7	1238.7
152.5°	1261.6	1263.0	1262.9	1261.4	1260.0	1258.5	1257.0
155°	1288.6	1289.9	1289.6	1287.8	1286.1	1284.3	1282.5
157.5°	1311.4	1313.0	1312.8	1311.1	1309.4	1307.7	1305.9
160°	1324.5	1325.8	1325.7	1324.1	1322.6	1321.0	1319.5
162.5°	1336.9	1338.5	1338.2	1336.4	1334.4	1332.5	1330.6
165°	1352.0	1353.6	1353.6	1352.0	1350.5	1348.9	1347.4
167.5°	1364.6	1366.1	1366.0	1363.9	1362.0	1359.9	1358.0
170°	1371.0	1372.6	1372.3	1370.4	1368.3	1366.4	1364.3
172.5°	1375.7	1377.3	1377.1	1375.1	1373.1	1371.1	1369.1
175°	1381.0	1382.5	1382.2	1380.0	1377.8	1375.5	1373.3
177.5°	1381.2	1382.5	1382.3	1380.7	1379.1	1377.5	1375.9
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3

(END OF REPORT)