

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: P331550-927

Luminaire Tested: **S122DIW-S675D1440U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331550-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D1440U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6284.2 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

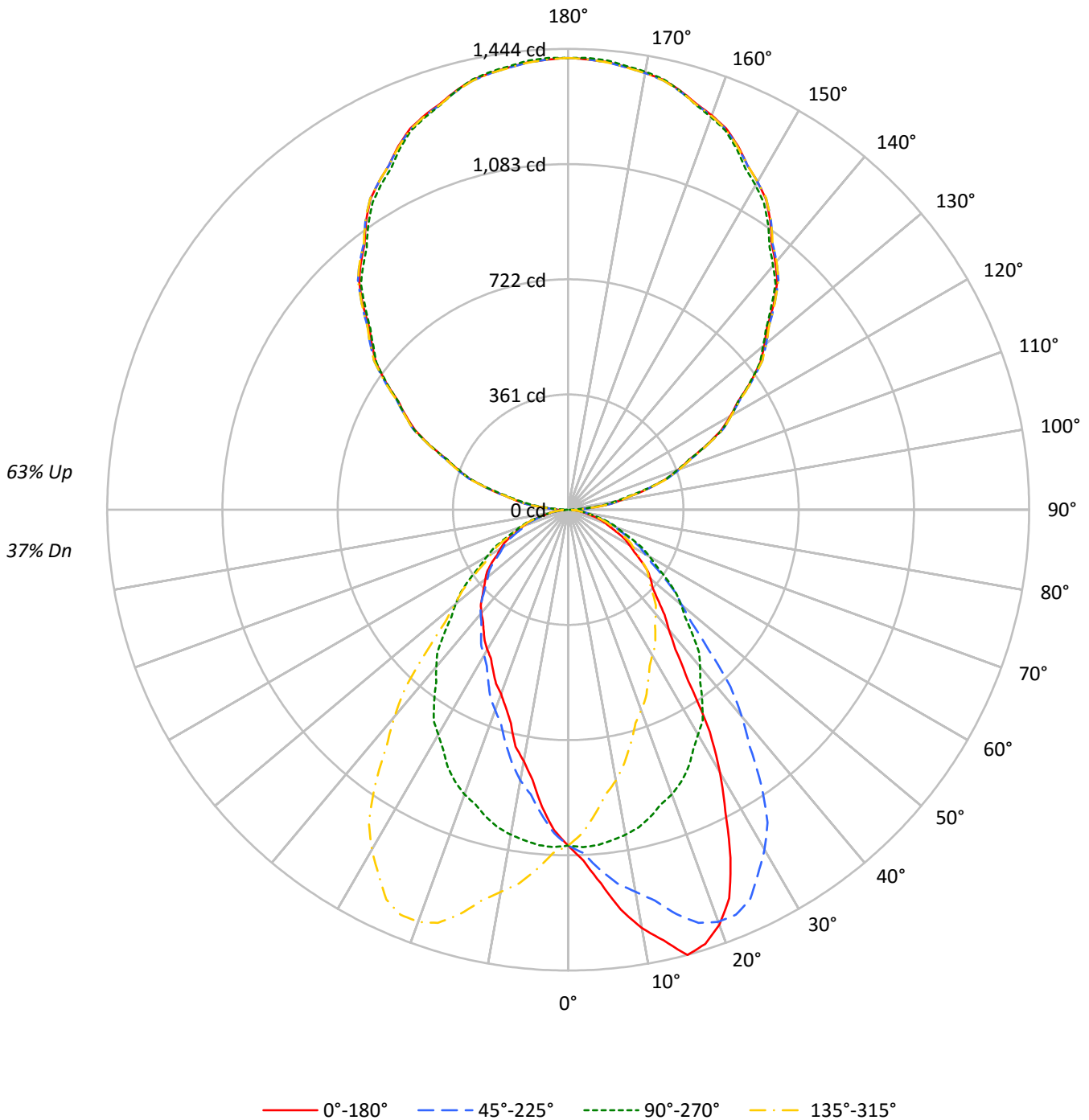
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37				
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27				
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	23				
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24	20				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	22	18				
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16				
7	57	45	38	32	52	42	35	30	34	29	26	28	24	21	22	19	17	14				
8	53	41	34	29	48	38	31	27	31	26	23	25	22	19	20	17	15	13				
9	49	38	30	25	45	35	28	24	29	24	21	23	20	17	18	16	14	12				
10	46	34	27	23	42	32	26	21	27	22	18	22	18	16	17	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16990	16990	16990	16990
5°	19047	17099	15152	17099
10°	21827	16959	13114	16959
15°	24145	16649	11587	16649
20°	23778	16314	10562	16314
25°	21440	15871	9912	15871
30°	17717	15163	9439	15163
35°	12912	14420	9102	14420
40°	10313	13544	8916	13544
45°	9012	12529	8661	12529
50°	8470	11549	8493	11549
55°	7809	10553	8265	10553
60°	7156	9494	7915	9494
65°	6518	8542	7568	8542
70°	5915	7619	7062	7619
75°	5246	6581	6257	6581
80°	4519	5449	5040	5449
85°	4057	4057	3001	4057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	1.6
10°-20°	291.3	4.6
20°-30°	422.8	6.7
30°-40°	446.2	7.1
40°-50°	395.0	6.3
50°-60°	315.3	5.0
60°-70°	214.3	3.4
70°-80°	109.9	1.7
80°-90°	32.1	0.5
90°-100°	89.7	1.4
100°-110°	278.5	4.4
110°-120°	476.1	7.6
120°-130°	626.1	10.0
130°-140°	702.7	11.2
140°-150°	689.0	11.0
150°-160°	577.9	9.2
160°-170°	383.3	6.1
170°-180°	134.0	2.1
0°-30°	814.3	13.0
0°-40°	1260.5	20.1
0°-60°	1970.8	31.4
0°-90°	2327.1	37.0
90°-120°	844.3	13.4
90°-150°	2862.0	45.5
90°-180°	3957.0	63.0
0°-180°	6284.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1052	1052	1052	1052	1052	
5°	1175	1055	935	1055	1175	117
15°	1444	996	693	996	1444	399
25°	1204	891	556	891	1204	544
35°	655	732	462	732	655	426
45°	395	549	379	549	395	310
55°	277	375	294	375	277	249
65°	171	224	198	224	171	170
75°	84	106	100	106	84	90
85°	22	22	16	22	22	25
90°	41	1	41	1	41	19
95°	74	62	74	62	74	83
105°	265	257	265	257	265	279
115°	478	478	478	478	478	472
125°	697	695	697	695	697	622
135°	910	899	910	899	910	700
145°	1104	1092	1104	1092	1104	689
155°	1258	1248	1258	1248	1258	579
165°	1359	1358	1359	1358	1359	383
175°	1408	1413	1408	1413	1408	134
180°	1415	1415	1415	1415	1415	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1100.7	1101.1	1101.8	1096.5	1095.9	1095.9	1091.4	1087.5	1083.0	1076.8	1077.4
5°	1175.2	1179.6	1181.2	1176.4	1169.1	1168.3	1161.4	1150.1	1139.6	1131.1	1125.1
7.5°	1264.0	1265.7	1261.8	1255.4	1250.0	1240.3	1227.5	1215.0	1197.4	1181.3	1169.3
10°	1331.3	1333.7	1326.8	1317.6	1309.9	1298.5	1279.9	1260.9	1237.9	1215.6	1197.8
12.5°	1382.4	1388.4	1379.6	1378.3	1365.2	1349.6	1327.5	1317.9	1285.4	1254.4	1235.3
15°	1444.5	1444.1	1444.9	1437.3	1427.5	1425.1	1401.6	1376.2	1330.5	1312.2	1280.7
17.5°	1426.6	1432.7	1435.5	1435.4	1435.2	1433.7	1426.2	1410.1	1387.2	1357.6	1321.2
20°	1383.9	1391.9	1393.1	1402.5	1407.7	1414.6	1417.4	1412.9	1398.8	1374.1	1342.6
22.5°	1317.9	1320.1	1323.9	1338.4	1349.8	1367.0	1376.0	1391.0	1385.5	1373.5	1347.1
25°	1203.5	1199.4	1213.6	1220.8	1247.1	1274.6	1294.5	1316.3	1335.7	1347.4	1339.7
27.5°	1066.1	1060.1	1081.2	1100.6	1122.0	1151.8	1182.6	1219.1	1249.4	1287.4	1300.4
30°	950.3	953.9	974.2	994.8	1027.1	1069.2	1104.0	1144.1	1187.3	1229.8	1259.3
32.5°	825.5	839.5	852.2	883.8	912.3	959.3	1010.2	1060.3	1114.2	1162.4	1208.2
35°	655.1	671.3	689.1	712.2	752.2	798.7	848.4	915.9	989.6	1055.5	1109.7
37.5°	551.4	548.8	559.0	575.7	608.2	645.6	702.9	769.7	856.3	933.7	1010.2
40°	489.3	487.7	495.0	510.3	535.0	562.5	612.7	671.3	751.8	846.4	937.4
42.5°	446.6	447.6	451.6	462.5	479.3	502.0	539.6	589.5	663.1	752.3	850.0
45°	394.7	397.5	402.0	407.3	416.9	435.5	456.5	492.2	550.4	624.8	721.0
47.5°	357.4	357.4	361.9	366.5	372.3	382.8	400.0	422.2	463.3	523.9	606.7
50°	337.2	334.5	337.7	341.3	347.4	354.7	366.0	387.0	414.5	463.4	532.6
52.5°	312.7	312.8	315.7	317.0	322.5	329.7	340.1	354.7	379.5	417.8	474.7
55°	277.4	279.4	281.1	283.4	288.4	293.6	301.7	311.4	330.8	359.5	401.6
57.5°	244.2	244.9	246.5	251.1	254.2	259.0	266.7	275.5	288.2	309.4	341.0
60°	221.6	221.6	224.8	226.9	230.9	235.8	241.9	250.3	261.7	279.0	304.5
62.5°	200.9	200.6	201.8	205.2	208.3	212.8	218.9	226.1	236.7	252.2	273.1
65°	170.6	169.8	172.3	173.1	176.3	180.8	185.6	193.3	201.8	213.1	231.7
67.5°	141.6	142.5	143.8	145.4	147.1	151.8	155.0	160.5	167.6	177.1	189.6
70°	125.3	125.3	125.3	126.6	129.0	131.4	134.7	139.1	146.0	154.1	165.4
72.5°	107.3	108.5	109.8	109.1	112.2	113.6	117.5	120.0	126.6	131.7	141.8
75°	84.1	84.1	84.1	86.1	87.4	88.6	91.0	93.4	96.6	103.1	108.4
77.5°	62.7	62.6	63.0	63.5	64.8	66.2	66.9	69.2	72.2	75.1	79.6
80°	48.6	49.4	49.7	50.5	50.5	51.3	51.7	54.6	56.6	58.6	61.5
82.5°	37.5	37.7	37.8	37.9	38.3	38.7	39.8	40.7	41.4	43.1	45.3
85°	21.9	21.5	21.5	22.3	21.9	21.9	22.7	23.4	23.4	23.8	25.0
87.5°	16.6	16.5	16.7	16.4	16.3	16.6	16.8	16.6	17.0	17.4	16.6
90°	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7	41.3	41.8	36.0
92.5°	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2	38.1	37.9	36.6
95°	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4	76.4	76.4	75.9
97.5°	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5	128.5	128.5	127.5
100°	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8	164.8	164.8	164.0
102.5°	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4	204.2	204.0	203.0
105°	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8	263.2	262.8	262.2
107.5°	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9	327.6	327.5	327.5
110°	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5	371.5	371.5	371.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	410.8	411.4	412.0	412.6	413.1	413.8	414.4	415.0	415.7	416.3	416.5
115°	477.7	478.5	479.3	480.1	480.9	481.4	481.6	482.0	482.2	482.5	483.0
117.5°	541.5	542.2	543.0	543.8	544.6	545.4	546.1	546.7	547.3	548.0	549.4
120°	586.4	587.2	588.0	588.7	589.5	589.9	589.9	589.9	589.9	589.9	592.1
122.5°	630.3	630.9	631.5	632.1	632.6	633.3	633.9	634.5	635.2	635.8	637.3
125°	697.4	697.8	698.0	698.2	698.5	699.0	699.8	700.6	701.4	702.2	703.1
127.5°	758.6	759.5	760.3	761.1	762.0	762.9	763.8	764.8	765.7	766.8	767.7
130°	802.6	803.6	804.7	805.7	806.8	807.6	808.1	808.7	809.2	809.7	810.2
132.5°	844.5	845.4	846.3	847.2	848.0	849.0	850.2	851.4	852.5	853.7	853.6
135°	910.1	910.9	911.6	912.4	913.2	913.8	914.0	914.3	914.6	914.8	914.3
137.5°	969.2	970.3	971.4	972.5	973.5	974.1	974.4	974.5	974.8	975.0	974.3
140°	1010.3	1011.4	1012.5	1013.5	1014.6	1015.1	1015.1	1015.1	1015.1	1015.1	1013.8
142.5°	1047.6	1048.7	1049.7	1050.8	1051.9	1052.3	1052.1	1051.9	1051.6	1051.5	1050.5
145°	1103.5	1104.5	1105.6	1106.7	1107.7	1108.1	1107.9	1107.6	1107.3	1107.1	1105.5
147.5°	1153.4	1154.4	1155.4	1156.4	1157.5	1157.7	1157.1	1156.5	1156.0	1155.3	1154.3
150°	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1	1188.3	1187.5	1186.7	1185.9	1184.9
152.5°	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5	1219.5	1218.5	1217.5	1216.5	1215.2
155°	1257.6	1258.4	1259.2	1260.0	1260.8	1260.4	1259.2	1257.8	1256.5	1255.1	1254.3
157.5°	1292.9	1294.2	1295.5	1296.7	1298.0	1297.8	1295.9	1294.1	1292.3	1290.5	1290.1
160°	1314.9	1316.0	1317.0	1318.0	1319.1	1318.8	1317.2	1315.7	1314.1	1312.5	1312.2
162.5°	1334.0	1335.3	1336.6	1337.8	1339.1	1338.8	1337.0	1335.2	1333.4	1331.6	1331.3
165°	1359.1	1360.4	1361.8	1363.0	1364.4	1364.1	1362.2	1360.4	1358.5	1356.7	1356.7
167.5°	1379.6	1381.0	1382.4	1383.8	1385.1	1384.9	1383.1	1381.2	1379.3	1377.4	1377.5
170°	1390.1	1391.7	1393.3	1394.9	1396.5	1396.4	1394.5	1392.7	1390.8	1388.9	1389.2
172.5°	1398.8	1400.3	1401.9	1403.5	1405.1	1404.9	1403.1	1401.2	1399.4	1397.5	1397.8
175°	1408.0	1409.6	1411.2	1412.8	1414.4	1414.3	1412.4	1410.6	1408.7	1406.8	1407.4
177.5°	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5	1416.2	1414.9	1413.6	1412.3	1412.8
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1079.7	1077.1	1075.5	1069.7	1064.5	1059.4	1057.7	1058.4	1051.3	1044.5	1041.6
5°	1121.8	1113.7	1106.0	1095.1	1082.2	1068.0	1060.7	1055.0	1040.9	1025.6	1016.7
7.5°	1159.5	1148.0	1133.1	1112.5	1093.8	1071.5	1057.3	1044.8	1024.1	1002.4	989.1
10°	1182.5	1166.6	1147.6	1122.6	1099.5	1072.5	1053.4	1034.4	1010.2	984.3	968.1
12.5°	1202.2	1180.9	1162.2	1130.0	1102.8	1068.9	1046.3	1019.5	994.0	963.3	947.5
15°	1249.2	1210.0	1174.3	1138.0	1104.4	1057.1	1032.1	996.0	962.4	924.5	906.3
17.5°	1285.5	1241.4	1185.3	1139.1	1099.9	1047.6	1010.7	967.7	928.0	884.5	859.8
20°	1306.2	1255.6	1195.4	1140.4	1093.4	1033.6	993.6	949.5	903.0	854.1	827.4
22.5°	1318.5	1265.4	1205.8	1135.5	1080.5	1022.3	971.9	923.6	876.5	823.7	795.7
25°	1322.4	1273.8	1210.8	1131.5	1064.4	998.5	937.8	890.9	833.9	784.5	743.7
27.5°	1303.1	1268.4	1207.7	1123.9	1045.7	968.6	901.0	847.9	787.7	734.1	693.1
30°	1279.5	1259.3	1200.2	1116.1	1030.8	947.9	873.5	813.3	753.4	699.2	657.1
32.5°	1242.9	1238.6	1186.7	1105.1	1014.9	921.7	844.7	783.8	717.5	664.2	624.2
35°	1171.2	1190.6	1157.8	1080.5	985.1	884.4	801.1	731.6	662.8	611.9	574.3
37.5°	1074.9	1123.1	1114.5	1044.6	944.8	843.8	751.9	679.1	613.6	562.2	525.3
40°	1008.5	1070.0	1079.0	1017.1	916.4	812.5	714.9	642.6	578.7	531.8	494.6
42.5°	937.4	1009.2	1033.6	984.0	885.3	779.4	682.0	607.0	543.8	498.1	465.2
45°	818.1	913.1	957.2	928.9	833.5	725.1	624.8	548.7	491.3	448.5	423.0
47.5°	706.5	810.4	869.7	859.7	775.8	668.4	569.3	496.4	440.5	406.2	383.4
50°	627.6	734.4	806.0	809.2	734.4	628.0	528.5	459.8	408.4	376.5	357.9
52.5°	559.0	660.9	739.0	756.1	688.1	586.0	492.0	423.6	378.3	349.0	332.3
55°	469.5	555.6	642.1	673.8	619.1	522.0	435.1	374.9	332.4	312.2	297.6
57.5°	390.3	462.2	542.1	576.9	543.3	460.2	378.7	326.4	291.9	274.2	263.0
60°	348.6	405.2	476.3	518.0	488.9	414.9	343.7	294.0	265.7	249.9	239.4
62.5°	309.7	359.9	420.1	458.2	442.4	372.6	308.8	264.9	240.4	225.6	218.1
65°	255.6	295.2	341.7	376.9	366.4	313.4	261.3	223.6	204.2	192.5	186.4
67.5°	210.5	239.1	271.3	302.1	293.7	256.1	214.3	185.0	170.5	160.4	156.8
70°	182.0	203.8	232.5	257.2	250.3	219.6	186.4	161.4	148.9	140.3	136.7
72.5°	154.8	172.8	194.6	214.8	210.2	184.7	157.0	138.1	128.4	120.6	117.6
75°	116.8	130.6	143.9	157.3	156.1	136.3	120.1	105.5	97.8	91.8	90.5
77.5°	86.3	94.0	103.1	111.0	108.8	97.4	84.8	76.4	70.7	66.7	66.1
80°	65.9	70.3	76.8	82.5	79.7	74.8	64.7	58.6	54.6	50.5	49.0
82.5°	47.8	52.3	56.2	59.2	57.0	52.5	46.3	42.1	39.7	37.0	36.3
85°	25.0	27.5	29.2	29.9	29.2	26.3	23.4	21.9	19.8	18.6	18.2
87.5°	15.8	14.6	13.4	13.2	11.6	10.9	9.0	7.4	7.7	8.0	8.0
90°	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2	4.4	7.5	10.8
92.5°	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2	23.6	25.9	28.3
95°	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1	64.7	67.4	70.0
97.5°	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4	115.8	118.1	120.5
100°	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7	153.8	155.9	158.0
102.5°	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8	193.5	195.2	196.9
105°	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7	257.5	258.3	259.1
107.5°	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2	323.4	324.6	325.7
110°	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2	365.8	367.4	369.0



TEST NUMBER: P331550-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	416.8	416.9	417.2	416.5	414.9	413.3	411.7	410.1	411.7	413.3	414.9
115°	483.5	484.1	484.6	484.1	482.5	480.9	479.3	477.7	479.3	480.9	482.5
117.5°	550.9	552.4	553.9	553.6	551.4	549.3	547.2	545.1	547.2	549.3	551.4
120°	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9	592.1	594.2	596.4
122.5°	638.8	640.3	641.7	641.3	638.7	636.1	633.6	631.1	633.6	636.1	638.7
125°	703.9	704.6	705.4	704.6	702.2	699.8	697.4	695.1	697.4	699.8	702.2
127.5°	768.7	769.6	770.6	769.5	766.5	763.4	760.4	757.4	760.4	763.4	766.5
130°	810.8	811.3	811.8	810.4	806.9	803.5	800.0	796.5	800.0	803.5	806.9
132.5°	853.4	853.3	853.3	851.8	849.0	846.1	843.4	840.5	843.4	846.1	849.0
135°	913.8	913.2	912.7	910.9	908.0	905.1	902.2	899.3	902.2	905.1	908.0
137.5°	973.6	973.0	972.2	970.7	968.3	965.9	963.5	961.2	963.5	965.9	968.3
140°	1012.5	1011.1	1009.8	1008.0	1005.6	1003.2	1000.8	998.4	1000.8	1003.2	1005.6
142.5°	1049.6	1048.7	1047.8	1046.2	1043.8	1041.4	1039.0	1036.6	1039.0	1041.4	1043.8
145°	1103.9	1102.3	1100.7	1099.0	1097.1	1095.3	1093.4	1091.5	1093.4	1095.3	1097.1
147.5°	1153.2	1152.1	1151.1	1149.5	1147.2	1144.9	1142.7	1140.5	1142.7	1144.9	1147.2
150°	1183.8	1182.7	1181.6	1180.4	1178.8	1177.2	1175.5	1173.9	1175.5	1177.2	1178.8
152.5°	1213.9	1212.7	1211.4	1210.0	1208.3	1206.7	1205.1	1203.6	1205.1	1206.7	1208.3
155°	1253.5	1252.8	1252.0	1251.2	1250.4	1249.6	1248.8	1248.0	1248.8	1249.6	1250.4
157.5°	1289.6	1289.1	1288.6	1288.1	1287.6	1287.1	1286.5	1285.9	1286.5	1287.1	1287.6
160°	1311.9	1311.7	1311.5	1311.1	1310.5	1310.0	1309.5	1308.9	1309.5	1310.0	1310.5
162.5°	1331.1	1330.8	1330.5	1330.4	1330.2	1330.2	1330.1	1329.9	1330.1	1330.2	1330.2
165°	1356.7	1356.7	1356.7	1356.8	1357.1	1357.3	1357.6	1357.9	1357.6	1357.3	1357.1
167.5°	1377.6	1377.6	1377.7	1378.1	1378.9	1379.7	1380.5	1381.2	1380.5	1379.7	1378.9
170°	1389.5	1389.7	1390.0	1390.5	1391.3	1392.1	1392.9	1393.7	1392.9	1392.1	1391.3
172.5°	1398.0	1398.4	1398.6	1399.2	1399.9	1400.7	1401.5	1402.3	1401.5	1400.7	1399.9
175°	1407.9	1408.4	1409.0	1409.6	1410.4	1411.2	1412.0	1412.8	1412.0	1411.2	1410.4
177.5°	1413.2	1413.6	1414.0	1414.6	1415.2	1415.9	1416.5	1417.1	1416.5	1415.9	1415.2
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1038.3	1036.4	1029.6	1026.0	1020.2	1014.7	1011.1	1012.8	1014.1	1013.4	1012.4
5°	1008.5	1000.8	989.1	979.1	971.8	958.4	952.8	949.9	947.5	944.7	941.8
7.5°	973.1	961.0	944.2	929.8	916.2	899.6	890.2	884.5	878.7	872.3	866.6
10°	947.9	930.9	913.1	892.9	876.7	861.7	848.4	839.6	831.5	823.8	818.1
12.5°	921.4	901.8	879.8	852.2	834.3	812.9	810.9	795.2	782.6	777.8	771.2
15°	879.2	851.7	823.8	791.0	776.8	757.4	745.3	733.2	722.2	714.5	712.6
17.5°	831.2	795.6	767.9	744.3	721.1	701.2	690.1	680.3	671.4	661.1	659.7
20°	794.6	763.9	733.6	713.0	689.1	668.8	655.1	645.4	637.7	631.7	626.4
22.5°	760.0	726.4	698.6	676.0	652.5	636.2	625.3	616.0	609.6	602.9	597.9
25°	704.5	678.2	647.8	622.3	602.9	592.5	583.5	575.4	571.4	567.0	561.3
27.5°	655.8	626.6	598.3	578.5	561.5	552.2	545.8	540.3	536.5	533.9	530.8
30°	621.5	592.0	569.8	550.4	536.2	527.0	522.9	519.7	515.2	513.6	512.0
32.5°	588.6	562.0	543.0	526.1	512.6	506.5	502.8	499.9	496.5	494.8	491.5
35°	541.9	519.7	501.1	491.7	480.9	475.5	472.8	468.7	465.5	463.8	463.4
37.5°	498.0	478.6	466.4	454.5	449.9	446.6	442.8	440.0	439.0	438.8	438.4
40°	469.5	453.8	442.8	433.1	431.1	426.2	423.0	420.6	420.6	421.0	420.6
42.5°	443.6	429.4	419.9	411.5	409.1	406.2	402.9	402.7	403.5	404.8	403.5
45°	404.4	394.3	387.4	383.3	378.9	376.0	375.7	376.9	377.3	377.7	378.9
47.5°	368.3	361.6	355.4	350.9	349.0	348.5	348.0	350.1	352.0	352.8	354.7
50°	347.0	339.3	334.1	331.2	329.5	328.8	329.5	332.0	333.6	335.6	336.8
52.5°	323.1	317.6	313.9	311.8	311.2	311.6	311.8	314.6	317.1	317.8	318.5
55°	289.9	285.9	285.1	281.5	283.0	282.7	284.7	286.3	288.8	291.1	291.6
57.5°	257.0	253.7	251.5	251.8	252.3	254.1	255.8	258.6	261.3	263.8	264.0
60°	235.0	233.3	232.1	232.1	232.9	235.4	237.4	240.2	241.9	243.4	244.6
62.5°	214.9	213.3	212.1	212.7	214.8	216.3	218.6	220.1	221.7	223.4	223.9
65°	183.2	182.4	183.6	184.4	184.8	186.8	189.6	190.8	192.5	193.3	196.1
67.5°	154.0	154.2	154.0	155.1	157.5	158.0	160.7	163.4	163.7	165.3	167.2
70°	134.3	135.1	135.9	136.7	138.7	139.5	141.6	142.8	144.3	145.6	146.8
72.5°	116.1	116.3	117.1	116.9	118.7	120.4	122.2	123.3	124.9	126.5	127.7
75°	89.4	89.4	90.2	90.5	92.6	94.7	94.2	95.1	96.6	98.2	99.1
77.5°	65.3	64.4	65.3	65.7	66.3	68.0	68.4	69.5	71.3	70.7	71.7
80°	49.7	48.6	49.7	50.1	50.1	52.2	52.2	53.0	54.2	53.0	54.2
82.5°	35.5	34.9	35.8	35.9	36.5	36.6	37.3	37.5	38.7	38.1	38.7
85°	17.8	17.4	17.8	17.4	17.8	18.2	18.2	17.8	17.8	18.6	17.4
87.5°	8.3	8.9	9.7	10.9	11.7	12.6	12.1	12.0	12.0	11.2	11.2
90°	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7	40.2	39.7	39.5
92.5°	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2	38.3	38.4	38.5
95°	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4	76.4	76.4	76.1
97.5°	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5	128.5	128.5	128.5
100°	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8	164.8	164.8	164.7
102.5°	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4	204.6	204.9	204.8
105°	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8	264.4	264.8	265.1
107.5°	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9	328.1	328.3	327.8
110°	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.0



TEST NUMBER: P331550-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	416.5	417.2	416.9	416.8	416.5	416.3	415.7	415.0	414.4	413.8	413.1
115°	484.1	484.6	484.1	483.5	483.0	482.5	482.2	482.0	481.6	481.4	480.9
117.5°	553.6	553.9	552.4	550.9	549.4	548.0	547.3	546.7	546.1	545.4	544.6
120°	598.5	598.5	596.4	594.2	592.1	589.9	589.9	589.9	589.9	589.9	589.5
122.5°	641.3	641.7	640.3	638.8	637.3	635.8	635.2	634.5	633.9	633.3	632.6
125°	704.6	705.4	704.6	703.9	703.1	702.2	701.4	700.6	699.8	699.0	698.5
127.5°	769.5	770.6	769.6	768.7	767.7	766.8	765.7	764.8	763.8	762.9	762.0
130°	810.4	811.8	811.3	810.8	810.2	809.7	809.2	808.7	808.1	807.6	806.8
132.5°	851.8	853.3	853.3	853.4	853.6	853.7	852.5	851.4	850.2	849.0	848.0
135°	910.9	912.7	913.2	913.8	914.3	914.8	914.6	914.3	914.0	913.8	913.2
137.5°	970.7	972.2	973.0	973.6	974.3	975.0	974.8	974.5	974.4	974.1	973.5
140°	1008.0	1009.8	1011.1	1012.5	1013.8	1015.1	1015.1	1015.1	1015.1	1015.1	1014.6
142.5°	1046.2	1047.8	1048.7	1049.6	1050.5	1051.5	1051.6	1051.9	1052.1	1052.3	1051.9
145°	1099.0	1100.7	1102.3	1103.9	1105.5	1107.1	1107.3	1107.6	1107.9	1108.1	1107.7
147.5°	1149.5	1151.1	1152.1	1153.2	1154.3	1155.3	1156.0	1156.5	1157.1	1157.7	1157.5
150°	1180.4	1181.6	1182.7	1183.8	1184.9	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1
152.5°	1210.0	1211.4	1212.7	1213.9	1215.2	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5
155°	1251.2	1252.0	1252.8	1253.5	1254.3	1255.1	1256.5	1257.8	1259.2	1260.4	1260.8
157.5°	1288.1	1288.6	1289.1	1289.6	1290.1	1290.5	1292.3	1294.1	1295.9	1297.8	1298.0
160°	1311.1	1311.5	1311.7	1311.9	1312.2	1312.5	1314.1	1315.7	1317.2	1318.8	1319.1
162.5°	1330.4	1330.5	1330.8	1331.1	1331.3	1331.6	1333.4	1335.2	1337.0	1338.8	1339.1
165°	1356.8	1356.7	1356.7	1356.7	1356.7	1356.7	1358.5	1360.4	1362.2	1364.1	1364.4
167.5°	1378.1	1377.7	1377.6	1377.6	1377.5	1377.4	1379.3	1381.2	1383.1	1384.9	1385.1
170°	1390.5	1390.0	1389.7	1389.5	1389.2	1388.9	1390.8	1392.7	1394.5	1396.4	1396.5
172.5°	1399.2	1398.6	1398.4	1398.0	1397.8	1397.5	1399.4	1401.2	1403.1	1404.9	1405.1
175°	1409.6	1409.0	1408.4	1407.9	1407.4	1406.8	1408.7	1410.6	1412.4	1414.3	1414.4
177.5°	1414.6	1414.0	1413.6	1413.2	1412.8	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331550-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1009.2	1008.5	1008.5	1005.7	1008.5	1008.5	1009.2	1012.4	1013.4	1014.1	1012.8
5°	936.2	934.9	933.0	934.9	933.0	934.9	936.2	941.8	944.7	947.5	949.9
7.5°	864.0	859.1	858.4	853.6	858.4	859.1	864.0	866.6	872.3	878.7	884.5
10°	811.2	807.9	807.6	799.9	807.6	807.9	811.2	818.1	823.8	831.5	839.6
12.5°	771.1	763.3	764.9	760.4	764.9	763.3	771.1	771.2	777.8	782.6	795.2
15°	701.6	701.6	700.0	693.2	700.0	701.6	701.6	712.6	714.5	722.2	733.2
17.5°	651.7	650.9	647.1	649.0	647.1	650.9	651.7	659.7	661.1	671.4	680.3
20°	621.9	619.6	614.7	614.7	614.7	619.6	621.9	626.4	631.7	637.7	645.4
22.5°	593.8	593.7	588.5	590.1	588.5	593.7	593.8	597.9	602.9	609.6	616.0
25°	560.9	557.7	555.2	556.4	555.2	557.7	560.9	561.3	567.0	571.4	575.4
27.5°	529.7	527.9	527.8	524.4	527.8	527.9	529.7	530.8	533.9	536.5	540.3
30°	511.6	507.6	508.3	506.3	508.3	507.6	511.6	512.0	513.6	515.2	519.7
32.5°	490.8	489.4	488.6	486.9	488.6	489.4	490.8	491.5	494.8	496.5	499.9
35°	462.6	463.0	461.1	461.8	461.1	463.0	462.6	463.4	463.8	465.5	468.7
37.5°	438.0	439.3	438.3	438.6	438.3	439.3	438.0	438.4	438.8	439.0	440.0
40°	421.8	421.8	421.8	423.0	421.8	421.8	421.8	420.6	421.0	420.6	420.6
42.5°	406.2	405.6	405.0	404.9	405.0	405.6	406.2	403.5	404.8	403.5	402.7
45°	379.7	381.0	381.4	379.3	381.4	381.0	379.7	378.9	377.7	377.3	376.9
47.5°	355.7	355.8	355.7	357.5	355.7	355.8	355.7	354.7	352.8	352.0	350.1
50°	338.9	338.1	338.9	338.1	338.9	338.1	338.9	336.8	335.6	333.6	332.0
52.5°	321.1	321.2	320.8	320.6	320.8	321.2	321.1	318.5	317.8	317.1	314.6
55°	293.2	294.0	293.6	293.6	293.6	294.0	293.2	291.6	291.1	288.8	286.3
57.5°	264.4	265.1	265.6	263.8	265.6	265.1	264.4	264.0	263.8	261.3	258.6
60°	244.2	246.3	245.9	245.1	245.9	246.3	244.2	244.6	243.4	241.9	240.2
62.5°	225.9	226.6	226.5	226.3	226.5	226.6	225.9	223.9	223.4	221.7	220.1
65°	197.3	198.1	196.9	198.1	196.9	198.1	197.3	196.1	193.3	192.5	190.8
67.5°	166.7	166.9	167.9	168.4	167.9	166.9	166.7	167.2	165.3	163.7	163.4
70°	147.6	147.2	148.4	149.6	148.4	147.2	147.6	146.8	145.6	144.3	142.8
72.5°	127.5	128.4	128.0	128.9	128.0	128.4	127.5	127.7	126.5	124.9	123.3
75°	98.2	99.5	99.1	100.3	99.1	99.5	98.2	99.1	98.2	96.6	95.1
77.5°	71.0	71.1	71.0	71.7	71.0	71.1	71.0	71.7	70.7	71.3	69.5
80°	54.2	53.4	52.6	54.2	52.6	53.4	54.2	54.2	53.0	54.2	53.0
82.5°	37.7	38.2	37.4	37.4	37.4	38.2	37.7	38.7	38.1	38.7	37.5
85°	17.4	17.0	16.2	16.2	16.2	17.0	17.4	17.4	18.6	17.8	17.8
87.5°	11.2	10.9	11.0	10.7	11.0	10.9	11.2	11.2	11.2	12.0	12.0
90°	39.8	40.1	40.3	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7
92.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2
95°	75.7	75.1	74.5	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4
97.5°	128.4	128.3	128.3	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5
100°	164.4	164.1	163.9	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8
102.5°	204.5	204.3	204.0	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4
105°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8
107.5°	326.6	325.3	324.2	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9
110°	370.2	369.4	368.6	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	412.6	412.0	411.4	410.8	411.4	412.0	412.6	413.1	413.8	414.4	415.0
115°	480.1	479.3	478.5	477.7	478.5	479.3	480.1	480.9	481.4	481.6	482.0
117.5°	543.8	543.0	542.2	541.5	542.2	543.0	543.8	544.6	545.4	546.1	546.7
120°	588.7	588.0	587.2	586.4	587.2	588.0	588.7	589.5	589.9	589.9	589.9
122.5°	632.1	631.5	630.9	630.3	630.9	631.5	632.1	632.6	633.3	633.9	634.5
125°	698.2	698.0	697.8	697.4	697.8	698.0	698.2	698.5	699.0	699.8	700.6
127.5°	761.1	760.3	759.5	758.6	759.5	760.3	761.1	762.0	762.9	763.8	764.8
130°	805.7	804.7	803.6	802.6	803.6	804.7	805.7	806.8	807.6	808.1	808.7
132.5°	847.2	846.3	845.4	844.5	845.4	846.3	847.2	848.0	849.0	850.2	851.4
135°	912.4	911.6	910.9	910.1	910.9	911.6	912.4	913.2	913.8	914.0	914.3
137.5°	972.5	971.4	970.3	969.2	970.3	971.4	972.5	973.5	974.1	974.4	974.5
140°	1013.5	1012.5	1011.4	1010.3	1011.4	1012.5	1013.5	1014.6	1015.1	1015.1	1015.1
142.5°	1050.8	1049.7	1048.7	1047.6	1048.7	1049.7	1050.8	1051.9	1052.3	1052.1	1051.9
145°	1106.7	1105.6	1104.5	1103.5	1104.5	1105.6	1106.7	1107.7	1108.1	1107.9	1107.6
147.5°	1156.4	1155.4	1154.4	1153.4	1154.4	1155.4	1156.4	1157.5	1157.7	1157.1	1156.5
150°	1188.3	1187.5	1186.7	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1	1188.3	1187.5
152.5°	1219.5	1218.5	1217.5	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5	1219.5	1218.5
155°	1260.0	1259.2	1258.4	1257.6	1258.4	1259.2	1260.0	1260.8	1260.4	1259.2	1257.8
157.5°	1296.7	1295.5	1294.2	1292.9	1294.2	1295.5	1296.7	1298.0	1297.8	1295.9	1294.1
160°	1318.0	1317.0	1316.0	1314.9	1316.0	1317.0	1318.0	1319.1	1318.8	1317.2	1315.7
162.5°	1337.8	1336.6	1335.3	1334.0	1335.3	1336.6	1337.8	1339.1	1338.8	1337.0	1335.2
165°	1363.0	1361.8	1360.4	1359.1	1360.4	1361.8	1363.0	1364.4	1364.1	1362.2	1360.4
167.5°	1383.8	1382.4	1381.0	1379.6	1381.0	1382.4	1383.8	1385.1	1384.9	1383.1	1381.2
170°	1394.9	1393.3	1391.7	1390.1	1391.7	1393.3	1394.9	1396.5	1396.4	1394.5	1392.7
172.5°	1403.5	1401.9	1400.3	1398.8	1400.3	1401.9	1403.5	1405.1	1404.9	1403.1	1401.2
175°	1412.8	1411.2	1409.6	1408.0	1409.6	1411.2	1412.8	1414.4	1414.3	1412.4	1410.6
177.5°	1416.2	1414.9	1413.6	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5	1416.2	1414.9
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1011.1	1014.7	1020.2	1026.0	1029.6	1036.4	1038.3	1041.6	1044.5	1051.3	1058.4
5°	952.8	958.4	971.8	979.1	989.1	1000.8	1008.5	1016.7	1025.6	1040.9	1055.0
7.5°	890.2	899.6	916.2	929.8	944.2	961.0	973.1	989.1	1002.4	1024.1	1044.8
10°	848.4	861.7	876.7	892.9	913.1	930.9	947.9	968.1	984.3	1010.2	1034.4
12.5°	810.9	812.9	834.3	852.2	879.8	901.8	921.4	947.5	963.3	994.0	1019.5
15°	745.3	757.4	776.8	791.0	823.8	851.7	879.2	906.3	924.5	962.4	996.0
17.5°	690.1	701.2	721.1	744.3	767.9	795.6	831.2	859.8	884.5	928.0	967.7
20°	655.1	668.8	689.1	713.0	733.6	763.9	794.6	827.4	854.1	903.0	949.5
22.5°	625.3	636.2	652.5	676.0	698.6	726.4	760.0	795.7	823.7	876.5	923.6
25°	583.5	592.5	602.9	622.3	647.8	678.2	704.5	743.7	784.5	833.9	890.9
27.5°	545.8	552.2	561.5	578.5	598.3	626.6	655.8	693.1	734.1	787.7	847.9
30°	522.9	527.0	536.2	550.4	569.8	592.0	621.5	657.1	699.2	753.4	813.3
32.5°	502.8	506.5	512.6	526.1	543.0	562.0	588.6	624.2	664.2	717.5	783.8
35°	472.8	475.5	480.9	491.7	501.1	519.7	541.9	574.3	611.9	662.8	731.6
37.5°	442.8	446.6	449.9	454.5	466.4	478.6	498.0	525.3	562.2	613.6	679.1
40°	423.0	426.2	431.1	433.1	442.8	453.8	469.5	494.6	531.8	578.7	642.6
42.5°	402.9	406.2	409.1	411.5	419.9	429.4	443.6	465.2	498.1	543.8	607.0
45°	375.7	376.0	378.9	383.3	387.4	394.3	404.4	423.0	448.5	491.3	548.7
47.5°	348.0	348.5	349.0	350.9	355.4	361.6	368.3	383.4	406.2	440.5	496.4
50°	329.5	328.8	329.5	331.2	334.1	339.3	347.0	357.9	376.5	408.4	459.8
52.5°	311.8	311.6	311.2	311.8	313.9	317.6	323.1	332.3	349.0	378.3	423.6
55°	284.7	282.7	283.0	281.5	285.1	285.9	289.9	297.6	312.2	332.4	374.9
57.5°	255.8	254.1	252.3	251.8	251.5	253.7	257.0	263.0	274.2	291.9	326.4
60°	237.4	235.4	232.9	232.1	232.1	233.3	235.0	239.4	249.9	265.7	294.0
62.5°	218.6	216.3	214.8	212.7	212.1	213.3	214.9	218.1	225.6	240.4	264.9
65°	189.6	186.8	184.8	184.4	183.6	182.4	183.2	186.4	192.5	204.2	223.6
67.5°	160.7	158.0	157.5	155.1	154.0	154.2	154.0	156.8	160.4	170.5	185.0
70°	141.6	139.5	138.7	136.7	135.9	135.1	134.3	136.7	140.3	148.9	161.4
72.5°	122.2	120.4	118.7	116.9	117.1	116.3	116.1	117.6	120.6	128.4	138.1
75°	94.2	94.7	92.6	90.5	90.2	89.4	89.4	90.5	91.8	97.8	105.5
77.5°	68.4	68.0	66.3	65.7	65.3	64.4	65.3	66.1	66.7	70.7	76.4
80°	52.2	52.2	50.1	50.1	49.7	48.6	49.7	49.0	50.5	54.6	58.6
82.5°	37.3	36.6	36.5	35.9	35.8	34.9	35.5	36.3	37.0	39.7	42.1
85°	18.2	18.2	17.8	17.4	17.8	17.4	17.8	18.2	18.6	19.8	21.9
87.5°	12.1	12.6	11.7	10.9	9.7	8.9	8.3	8.0	8.0	7.7	7.4
90°	41.3	41.8	36.0	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2
92.5°	38.1	37.9	36.6	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2
95°	76.4	76.4	75.9	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1
97.5°	128.5	128.5	127.5	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4
100°	164.8	164.8	164.0	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7
102.5°	204.2	204.0	203.0	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8
105°	263.2	262.8	262.2	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7
107.5°	327.6	327.5	327.5	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2
110°	371.5	371.5	371.5	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2



TEST NUMBER: P331550-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	415.7	416.3	416.5	416.8	416.9	417.2	416.5	414.9	413.3	411.7	410.1
115°	482.2	482.5	483.0	483.5	484.1	484.6	484.1	482.5	480.9	479.3	477.7
117.5°	547.3	548.0	549.4	550.9	552.4	553.9	553.6	551.4	549.3	547.2	545.1
120°	589.9	589.9	592.1	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9
122.5°	635.2	635.8	637.3	638.8	640.3	641.7	641.3	638.7	636.1	633.6	631.1
125°	701.4	702.2	703.1	703.9	704.6	705.4	704.6	702.2	699.8	697.4	695.1
127.5°	765.7	766.8	767.7	768.7	769.6	770.6	769.5	766.5	763.4	760.4	757.4
130°	809.2	809.7	810.2	810.8	811.3	811.8	810.4	806.9	803.5	800.0	796.5
132.5°	852.5	853.7	853.6	853.4	853.3	853.3	851.8	849.0	846.1	843.4	840.5
135°	914.6	914.8	914.3	913.8	913.2	912.7	910.9	908.0	905.1	902.2	899.3
137.5°	974.8	975.0	974.3	973.6	973.0	972.2	970.7	968.3	965.9	963.5	961.2
140°	1015.1	1015.1	1013.8	1012.5	1011.1	1009.8	1008.0	1005.6	1003.2	1000.8	998.4
142.5°	1051.6	1051.5	1050.5	1049.6	1048.7	1047.8	1046.2	1043.8	1041.4	1039.0	1036.6
145°	1107.3	1107.1	1105.5	1103.9	1102.3	1100.7	1099.0	1097.1	1095.3	1093.4	1091.5
147.5°	1156.0	1155.3	1154.3	1153.2	1152.1	1151.1	1149.5	1147.2	1144.9	1142.7	1140.5
150°	1186.7	1185.9	1184.9	1183.8	1182.7	1181.6	1180.4	1178.8	1177.2	1175.5	1173.9
152.5°	1217.5	1216.5	1215.2	1213.9	1212.7	1211.4	1210.0	1208.3	1206.7	1205.1	1203.6
155°	1256.5	1255.1	1254.3	1253.5	1252.8	1252.0	1251.2	1250.4	1249.6	1248.8	1248.0
157.5°	1292.3	1290.5	1290.1	1289.6	1289.1	1288.6	1288.1	1287.6	1287.1	1286.5	1285.9
160°	1314.1	1312.5	1312.2	1311.9	1311.7	1311.5	1311.1	1310.5	1310.0	1309.5	1308.9
162.5°	1333.4	1331.6	1331.3	1331.1	1330.8	1330.5	1330.4	1330.2	1330.2	1330.1	1329.9
165°	1358.5	1356.7	1356.7	1356.7	1356.7	1356.7	1356.8	1357.1	1357.3	1357.6	1357.9
167.5°	1379.3	1377.4	1377.5	1377.6	1377.6	1377.7	1378.1	1378.9	1379.7	1380.5	1381.2
170°	1390.8	1388.9	1389.2	1389.5	1389.7	1390.0	1390.5	1391.3	1392.1	1392.9	1393.7
172.5°	1399.4	1397.5	1397.8	1398.0	1398.4	1398.6	1399.2	1399.9	1400.7	1401.5	1402.3
175°	1408.7	1406.8	1407.4	1407.9	1408.4	1409.0	1409.6	1410.4	1411.2	1412.0	1412.8
177.5°	1413.6	1412.3	1412.8	1413.2	1413.6	1414.0	1414.6	1415.2	1415.9	1416.5	1417.1
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331550-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1057.7	1059.4	1064.5	1069.7	1075.5	1077.1	1079.7	1077.4	1076.8	1083.0	1087.5
5°	1060.7	1068.0	1082.2	1095.1	1106.0	1113.7	1121.8	1125.1	1131.1	1139.6	1150.1
7.5°	1057.3	1071.5	1093.8	1112.5	1133.1	1148.0	1159.5	1169.3	1181.3	1197.4	1215.0
10°	1053.4	1072.5	1099.5	1122.6	1147.6	1166.6	1182.5	1197.8	1215.6	1237.9	1260.9
12.5°	1046.3	1068.9	1102.8	1130.0	1162.2	1180.9	1202.2	1235.3	1254.4	1285.4	1317.9
15°	1032.1	1057.1	1104.4	1138.0	1174.3	1210.0	1249.2	1280.7	1312.2	1330.5	1376.2
17.5°	1010.7	1047.6	1099.9	1139.1	1185.3	1241.4	1285.5	1321.2	1357.6	1387.2	1410.1
20°	993.6	1033.6	1093.4	1140.4	1195.4	1255.6	1306.2	1342.6	1374.1	1398.8	1412.9
22.5°	971.9	1022.3	1080.5	1135.5	1205.8	1265.4	1318.5	1347.1	1373.5	1385.5	1391.0
25°	937.8	998.5	1064.4	1131.5	1210.8	1273.8	1322.4	1339.7	1347.4	1335.7	1316.3
27.5°	901.0	968.6	1045.7	1123.9	1207.7	1268.4	1303.1	1300.4	1287.4	1249.4	1219.1
30°	873.5	947.9	1030.8	1116.1	1200.2	1259.3	1279.5	1259.3	1229.8	1187.3	1144.1
32.5°	844.7	921.7	1014.9	1105.1	1186.7	1238.6	1242.9	1208.2	1162.4	1114.2	1060.3
35°	801.1	884.4	985.1	1080.5	1157.8	1190.6	1171.2	1109.7	1055.5	989.6	915.9
37.5°	751.9	843.8	944.8	1044.6	1114.5	1123.1	1074.9	1010.2	933.7	856.3	769.7
40°	714.9	812.5	916.4	1017.1	1079.0	1070.0	1008.5	937.4	846.4	751.8	671.3
42.5°	682.0	779.4	885.3	984.0	1033.6	1009.2	937.4	850.0	752.3	663.1	589.5
45°	624.8	725.1	833.5	928.9	957.2	913.1	818.1	721.0	624.8	550.4	492.2
47.5°	569.3	668.4	775.8	859.7	869.7	810.4	706.5	606.7	523.9	463.3	422.2
50°	528.5	628.0	734.4	809.2	806.0	734.4	627.6	532.6	463.4	414.5	387.0
52.5°	492.0	586.0	688.1	756.1	739.0	660.9	559.0	474.7	417.8	379.5	354.7
55°	435.1	522.0	619.1	673.8	642.1	555.6	469.5	401.6	359.5	330.8	311.4
57.5°	378.7	460.2	543.3	576.9	542.1	462.2	390.3	341.0	309.4	288.2	275.5
60°	343.7	414.9	488.9	518.0	476.3	405.2	348.6	304.5	279.0	261.7	250.3
62.5°	308.8	372.6	442.4	458.2	420.1	359.9	309.7	273.1	252.2	236.7	226.1
65°	261.3	313.4	366.4	376.9	341.7	295.2	255.6	231.7	213.1	201.8	193.3
67.5°	214.3	256.1	293.7	302.1	271.3	239.1	210.5	189.6	177.1	167.6	160.5
70°	186.4	219.6	250.3	257.2	232.5	203.8	182.0	165.4	154.1	146.0	139.1
72.5°	157.0	184.7	210.2	214.8	194.6	172.8	154.8	141.8	131.7	126.6	120.0
75°	120.1	136.3	156.1	157.3	143.9	130.6	116.8	108.4	103.1	96.6	93.4
77.5°	84.8	97.4	108.8	111.0	103.1	94.0	86.3	79.6	75.1	72.2	69.2
80°	64.7	74.8	79.7	82.5	76.8	70.3	65.9	61.5	58.6	56.6	54.6
82.5°	46.3	52.5	57.0	59.2	56.2	52.3	47.8	45.3	43.1	41.4	40.7
85°	23.4	26.3	29.2	29.9	29.2	27.5	25.0	25.0	23.8	23.4	23.4
87.5°	9.0	10.9	11.6	13.2	13.4	14.6	15.8	16.6	17.4	17.0	16.6
90°	4.4	7.5	10.8	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7
92.5°	23.6	25.9	28.3	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2
95°	64.7	67.4	70.0	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4
97.5°	115.8	118.1	120.5	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5
100°	153.8	155.9	158.0	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8
102.5°	193.5	195.2	196.9	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4
105°	257.5	258.3	259.1	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8
107.5°	323.4	324.6	325.7	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9
110°	365.8	367.4	369.0	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	411.7	413.3	414.9	416.5	417.2	416.9	416.8	416.5	416.3	415.7	415.0
115°	479.3	480.9	482.5	484.1	484.6	484.1	483.5	483.0	482.5	482.2	482.0
117.5°	547.2	549.3	551.4	553.6	553.9	552.4	550.9	549.4	548.0	547.3	546.7
120°	592.1	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9	589.9	589.9
122.5°	633.6	636.1	638.7	641.3	641.7	640.3	638.8	637.3	635.8	635.2	634.5
125°	697.4	699.8	702.2	704.6	705.4	704.6	703.9	703.1	702.2	701.4	700.6
127.5°	760.4	763.4	766.5	769.5	770.6	769.6	768.7	767.7	766.8	765.7	764.8
130°	800.0	803.5	806.9	810.4	811.8	811.3	810.8	810.2	809.7	809.2	808.7
132.5°	843.4	846.1	849.0	851.8	853.3	853.3	853.4	853.6	853.7	852.5	851.4
135°	902.2	905.1	908.0	910.9	912.7	913.2	913.8	914.3	914.8	914.6	914.3
137.5°	963.5	965.9	968.3	970.7	972.2	973.0	973.6	974.3	975.0	974.8	974.5
140°	1000.8	1003.2	1005.6	1008.0	1009.8	1011.1	1012.5	1013.8	1015.1	1015.1	1015.1
142.5°	1039.0	1041.4	1043.8	1046.2	1047.8	1048.7	1049.6	1050.5	1051.5	1051.6	1051.9
145°	1093.4	1095.3	1097.1	1099.0	1100.7	1102.3	1103.9	1105.5	1107.1	1107.3	1107.6
147.5°	1142.7	1144.9	1147.2	1149.5	1151.1	1152.1	1153.2	1154.3	1155.3	1156.0	1156.5
150°	1175.5	1177.2	1178.8	1180.4	1181.6	1182.7	1183.8	1184.9	1185.9	1186.7	1187.5
152.5°	1205.1	1206.7	1208.3	1210.0	1211.4	1212.7	1213.9	1215.2	1216.5	1217.5	1218.5
155°	1248.8	1249.6	1250.4	1251.2	1252.0	1252.8	1253.5	1254.3	1255.1	1256.5	1257.8
157.5°	1286.5	1287.1	1287.6	1288.1	1288.6	1289.1	1289.6	1290.1	1290.5	1292.3	1294.1
160°	1309.5	1310.0	1310.5	1311.1	1311.5	1311.7	1311.9	1312.2	1312.5	1314.1	1315.7
162.5°	1330.1	1330.2	1330.2	1330.4	1330.5	1330.8	1331.1	1331.3	1331.6	1333.4	1335.2
165°	1357.6	1357.3	1357.1	1356.8	1356.7	1356.7	1356.7	1356.7	1356.7	1358.5	1360.4
167.5°	1380.5	1379.7	1378.9	1378.1	1377.7	1377.6	1377.6	1377.5	1377.4	1379.3	1381.2
170°	1392.9	1392.1	1391.3	1390.5	1390.0	1389.7	1389.5	1389.2	1388.9	1390.8	1392.7
172.5°	1401.5	1400.7	1399.9	1399.2	1398.6	1398.4	1398.0	1397.8	1397.5	1399.4	1401.2
175°	1412.0	1411.2	1410.4	1409.6	1409.0	1408.4	1407.9	1407.4	1406.8	1408.7	1410.6
177.5°	1416.5	1415.9	1415.2	1414.6	1414.0	1413.6	1413.2	1412.8	1412.3	1413.6	1414.9
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1091.4	1095.9	1095.9	1096.5	1101.8	1101.1	1100.7
5°	1161.4	1168.3	1169.1	1176.4	1181.2	1179.6	1175.2
7.5°	1227.5	1240.3	1250.0	1255.4	1261.8	1265.7	1264.0
10°	1279.9	1298.5	1309.9	1317.6	1326.8	1333.7	1331.3
12.5°	1327.5	1349.6	1365.2	1378.3	1379.6	1388.4	1382.4
15°	1401.6	1425.1	1427.5	1437.3	1444.9	1444.1	1444.5
17.5°	1426.2	1433.7	1435.2	1435.4	1435.5	1432.7	1426.6
20°	1417.4	1414.6	1407.7	1402.5	1393.1	1391.9	1383.9
22.5°	1376.0	1367.0	1349.8	1338.4	1323.9	1320.1	1317.9
25°	1294.5	1274.6	1247.1	1220.8	1213.6	1199.4	1203.5
27.5°	1182.6	1151.8	1122.0	1100.6	1081.2	1060.1	1066.1
30°	1104.0	1069.2	1027.1	994.8	974.2	953.9	950.3
32.5°	1010.2	959.3	912.3	883.8	852.2	839.5	825.5
35°	848.4	798.7	752.2	712.2	689.1	671.3	655.1
37.5°	702.9	645.6	608.2	575.7	559.0	548.8	551.4
40°	612.7	562.5	535.0	510.3	495.0	487.7	489.3
42.5°	539.6	502.0	479.3	462.5	451.6	447.6	446.6
45°	456.5	435.5	416.9	407.3	402.0	397.5	394.7
47.5°	400.0	382.8	372.3	366.5	361.9	357.4	357.4
50°	366.0	354.7	347.4	341.3	337.7	334.5	337.2
52.5°	340.1	329.7	322.5	317.0	315.7	312.8	312.7
55°	301.7	293.6	288.4	283.4	281.1	279.4	277.4
57.5°	266.7	259.0	254.2	251.1	246.5	244.9	244.2
60°	241.9	235.8	230.9	226.9	224.8	221.6	221.6
62.5°	218.9	212.8	208.3	205.2	201.8	200.6	200.9
65°	185.6	180.8	176.3	173.1	172.3	169.8	170.6
67.5°	155.0	151.8	147.1	145.4	143.8	142.5	141.6
70°	134.7	131.4	129.0	126.6	125.3	125.3	125.3
72.5°	117.5	113.6	112.2	109.1	109.8	108.5	107.3
75°	91.0	88.6	87.4	86.1	84.1	84.1	84.1
77.5°	66.9	66.2	64.8	63.5	63.0	62.6	62.7
80°	51.7	51.3	50.5	50.5	49.7	49.4	48.6
82.5°	39.8	38.7	38.3	37.9	37.8	37.7	37.5
85°	22.7	21.9	21.9	22.3	21.5	21.5	21.9
87.5°	16.8	16.6	16.3	16.4	16.7	16.5	16.6
90°	40.2	39.7	39.5	39.8	40.1	40.3	40.6
92.5°	38.3	38.4	38.5	38.5	38.6	38.7	38.7
95°	76.4	76.4	76.1	75.7	75.1	74.5	74.1
97.5°	128.5	128.5	128.5	128.4	128.3	128.3	128.3
100°	164.8	164.8	164.7	164.4	164.1	163.9	163.6
102.5°	204.6	204.9	204.8	204.5	204.3	204.0	203.7
105°	264.4	264.8	265.1	265.1	265.1	265.1	265.1
107.5°	328.1	328.3	327.8	326.6	325.3	324.2	322.9
110°	371.5	371.5	371.0	370.2	369.4	368.6	367.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	414.4	413.8	413.1	412.6	412.0	411.4	410.8
115°	481.6	481.4	480.9	480.1	479.3	478.5	477.7
117.5°	546.1	545.4	544.6	543.8	543.0	542.2	541.5
120°	589.9	589.9	589.5	588.7	588.0	587.2	586.4
122.5°	633.9	633.3	632.6	632.1	631.5	630.9	630.3
125°	699.8	699.0	698.5	698.2	698.0	697.8	697.4
127.5°	763.8	762.9	762.0	761.1	760.3	759.5	758.6
130°	808.1	807.6	806.8	805.7	804.7	803.6	802.6
132.5°	850.2	849.0	848.0	847.2	846.3	845.4	844.5
135°	914.0	913.8	913.2	912.4	911.6	910.9	910.1
137.5°	974.4	974.1	973.5	972.5	971.4	970.3	969.2
140°	1015.1	1015.1	1014.6	1013.5	1012.5	1011.4	1010.3
142.5°	1052.1	1052.3	1051.9	1050.8	1049.7	1048.7	1047.6
145°	1107.9	1108.1	1107.7	1106.7	1105.6	1104.5	1103.5
147.5°	1157.1	1157.7	1157.5	1156.4	1155.4	1154.4	1153.4
150°	1188.3	1189.1	1189.1	1188.3	1187.5	1186.7	1185.9
152.5°	1219.5	1220.5	1220.5	1219.5	1218.5	1217.5	1216.5
155°	1259.2	1260.4	1260.8	1260.0	1259.2	1258.4	1257.6
157.5°	1295.9	1297.8	1298.0	1296.7	1295.5	1294.2	1292.9
160°	1317.2	1318.8	1319.1	1318.0	1317.0	1316.0	1314.9
162.5°	1337.0	1338.8	1339.1	1337.8	1336.6	1335.3	1334.0
165°	1362.2	1364.1	1364.4	1363.0	1361.8	1360.4	1359.1
167.5°	1383.1	1384.9	1385.1	1383.8	1382.4	1381.0	1379.6
170°	1394.5	1396.4	1396.5	1394.9	1393.3	1391.7	1390.1
172.5°	1403.1	1404.9	1405.1	1403.5	1401.9	1400.3	1398.8
175°	1412.4	1414.3	1414.4	1412.8	1411.2	1409.6	1408.0
177.5°	1416.2	1417.5	1417.5	1416.2	1414.9	1413.6	1412.3
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2

(END OF REPORT)