

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: P331544-927

Luminaire Tested: **S122DIW-S675D1240U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331544-927  
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-S675D1240U927-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5729.8 lumens  
Efficiency: N/A  
Efficacy: 93.3 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: General Diffuse

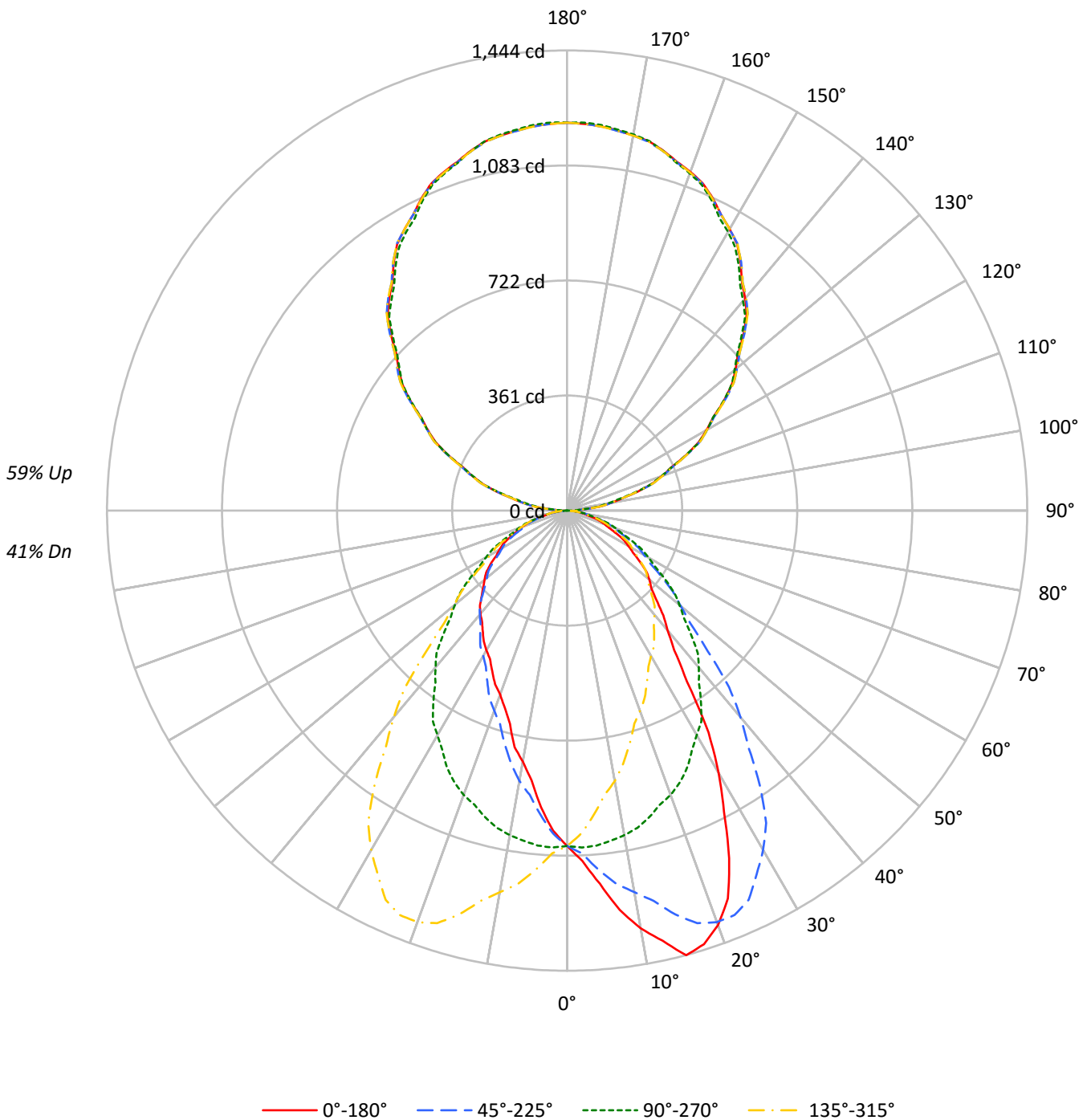
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	38	36	35	30
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30	26
4	74	63	56	50	67	58	51	46	48	43	40	39	36	33	31	28	26	22
5	68	57	49	43	62	52	45	40	43	38	34	35	32	29	28	25	23	20
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21	18
7	58	46	38	33	53	42	36	31	36	30	27	29	25	22	23	20	18	16
8	54	42	34	29	49	39	32	27	32	27	24	27	23	20	21	19	17	14
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	32	26	22	27	23	19	23	19	16	18	16	14	12

**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	1.7
10°-20°	291.3	5.1
20°-30°	422.8	7.4
30°-40°	446.2	7.8
40°-50°	395.0	6.9
50°-60°	315.3	5.5
60°-70°	214.3	3.7
70°-80°	109.9	1.9
80°-90°	31.3	0.5
90°-100°	77.1	1.3
100°-110°	239.6	4.2
110°-120°	409.5	7.1
120°-130°	538.5	9.4
130°-140°	604.4	10.5
140°-150°	592.6	10.3
150°-160°	497.0	8.7
160°-170°	329.7	5.8
170°-180°	115.2	2.0
0°-30°	814.3	14.2
0°-40°	1260.5	22.0
0°-60°	1970.8	34.4
0°-90°	2326.3	40.6
90°-120°	726.2	12.7
90°-150°	2461.6	43.0
90°-180°	3404.0	59.4
0°-180°	5729.8	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°	35	1	35	1	35	16
95°	64	53	64	53	64	71
105°	228	221	228	221	228	240
115°	411	411	411	411	411	406
125°	600	598	600	598	600	535
135°	783	774	783	774	783	602
145°	949	939	949	939	949	593
155°	1082	1073	1082	1073	1082	498
165°	1169	1168	1169	1168	1169	330
175°	1211	1215	1211	1215	1211	115
180°	1217	1217	1217	1217	1217	



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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°	15.4	15.4	15.6	15.3	15.2	15.5	15.7	15.4	15.8	16.2	15.6
90°	34.9	34.7	34.5	34.2	34.0	34.1	34.6	35.0	35.5	36.0	30.9
92.5°	33.3	33.3	33.2	33.1	33.1	33.0	33.0	32.9	32.7	32.6	31.4
95°	63.7	64.2	64.6	65.0	65.5	65.8	65.8	65.8	65.8	65.8	65.3
97.5°	110.4	110.4	110.4	110.4	110.5	110.5	110.5	110.5	110.5	110.5	109.6
100°	140.7	140.9	141.2	141.4	141.6	141.7	141.7	141.7	141.7	141.7	141.1
102.5°	175.2	175.5	175.7	175.9	176.2	176.2	176.0	175.8	175.6	175.5	174.6
105°	228.1	228.1	228.1	228.1	228.1	227.8	227.4	226.9	226.4	226.0	225.5
107.5°	277.7	278.8	279.9	280.9	281.9	282.4	282.2	282.0	281.9	281.6	281.6
110°	316.4	317.0	317.7	318.5	319.1	319.5	319.5	319.5	319.5	319.5	319.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	353.3	353.9	354.3	354.8	355.4	355.8	356.4	357.0	357.5	358.1	358.2
115°	410.9	411.5	412.3	413.0	413.6	414.1	414.3	414.5	414.8	414.9	415.4
117.5°	465.7	466.4	467.1	467.8	468.5	469.1	469.6	470.2	470.7	471.3	472.5
120°	504.4	505.0	505.7	506.4	507.1	507.4	507.4	507.4	507.4	507.4	509.2
122.5°	542.2	542.6	543.1	543.7	544.2	544.7	545.3	545.8	546.3	546.8	548.1
125°	599.8	600.1	600.3	600.6	600.8	601.3	601.9	602.6	603.3	604.0	604.7
127.5°	652.4	653.2	653.9	654.7	655.4	656.2	657.0	657.8	658.6	659.4	660.3
130°	690.2	691.2	692.1	693.0	694.0	694.6	695.1	695.5	695.9	696.4	696.9
132.5°	726.4	727.1	727.9	728.6	729.4	730.2	731.2	732.2	733.2	734.2	734.1
135°	782.7	783.4	784.1	784.7	785.4	785.9	786.2	786.4	786.6	786.8	786.4
137.5°	833.7	834.6	835.5	836.4	837.3	837.9	838.0	838.2	838.4	838.6	838.0
140°	869.0	869.9	870.8	871.7	872.7	873.1	873.1	873.1	873.1	873.1	872.0
142.5°	901.0	902.0	902.9	903.8	904.7	905.1	904.9	904.7	904.5	904.4	903.6
145°	949.1	950.1	950.9	951.9	952.8	953.1	952.9	952.7	952.4	952.2	950.9
147.5°	992.0	992.9	993.8	994.7	995.5	995.7	995.2	994.7	994.2	993.7	992.8
150°	1020.0	1020.6	1021.4	1022.1	1022.7	1022.7	1022.1	1021.4	1020.6	1020.0	1019.1
152.5°	1046.3	1047.2	1048.1	1048.8	1049.7	1049.7	1048.8	1048.1	1047.2	1046.3	1045.2
155°	1081.6	1082.3	1083.0	1083.7	1084.3	1084.1	1083.0	1081.9	1080.7	1079.6	1078.9
157.5°	1112.0	1113.1	1114.2	1115.3	1116.4	1116.2	1114.6	1113.1	1111.5	1110.0	1109.5
160°	1130.9	1131.9	1132.7	1133.7	1134.6	1134.3	1133.0	1131.6	1130.2	1128.9	1128.6
162.5°	1147.4	1148.4	1149.5	1150.6	1151.8	1151.5	1149.9	1148.4	1146.8	1145.3	1145.1
165°	1168.9	1170.1	1171.2	1172.4	1173.5	1173.3	1171.6	1170.1	1168.5	1166.9	1166.9
167.5°	1186.6	1187.8	1189.0	1190.2	1191.4	1191.1	1189.5	1188.0	1186.4	1184.7	1184.8
170°	1195.6	1197.0	1198.4	1199.8	1201.1	1201.0	1199.4	1197.8	1196.2	1194.6	1194.8
172.5°	1203.0	1204.4	1205.8	1207.1	1208.5	1208.4	1206.8	1205.2	1203.6	1202.0	1202.2
175°	1211.0	1212.4	1213.8	1215.1	1216.6	1216.4	1214.8	1213.2	1211.6	1210.0	1210.5
177.5°	1214.7	1215.8	1217.0	1218.1	1219.1	1219.1	1218.1	1217.0	1215.8	1214.7	1215.1
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



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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°	14.9	13.9	12.9	12.8	11.2	10.7	8.9	7.3	7.5	7.8	7.7
90°	25.9	20.9	15.8	12.0	9.3	6.5	3.8	1.0	3.8	6.5	9.3
92.5°	30.3	29.1	27.9	26.3	24.3	22.3	20.3	18.3	20.3	22.3	24.3
95°	64.8	64.4	63.9	62.6	60.3	58.0	55.7	53.4	55.7	58.0	60.3
97.5°	108.8	107.9	107.0	105.6	103.6	101.6	99.6	97.6	99.6	101.6	103.6
100°	140.4	139.7	139.0	137.8	135.9	134.1	132.3	130.5	132.3	134.1	135.9
102.5°	173.7	172.9	172.0	170.8	169.4	167.9	166.4	164.9	166.4	167.9	169.4
105°	225.1	224.6	224.2	223.6	222.9	222.2	221.5	220.9	221.5	222.2	222.9
107.5°	281.6	281.6	281.6	281.1	280.1	279.2	278.1	277.1	278.1	279.2	280.1
110°	319.5	319.5	319.5	318.8	317.4	316.0	314.7	313.3	314.7	316.0	317.4





TEST NUMBER: P331544-927

CATALOG NUMBER: S122DIW-S675D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	358.5	358.6	358.8	358.2	356.9	355.5	354.1	352.8	354.1	355.5	356.9
115°	415.9	416.4	416.8	416.4	414.9	413.6	412.3	410.9	412.3	413.6	414.9
117.5°	473.8	475.1	476.4	476.1	474.3	472.5	470.6	468.8	470.6	472.5	474.3
120°	511.1	512.9	514.8	514.8	512.9	511.1	509.2	507.4	509.2	511.1	512.9
122.5°	549.5	550.7	552.0	551.5	549.3	547.2	544.9	542.7	544.9	547.2	549.3
125°	605.4	606.0	606.7	606.0	604.0	601.9	599.8	597.8	599.8	601.9	604.0
127.5°	661.1	661.9	662.7	661.9	659.3	656.6	654.0	651.4	654.0	656.6	659.3
130°	697.4	697.8	698.2	697.0	694.0	691.1	688.1	685.2	688.1	691.1	694.0
132.5°	734.0	734.0	733.9	732.6	730.2	727.8	725.3	722.9	725.3	727.8	730.2
135°	785.9	785.4	785.0	783.5	781.0	778.5	775.9	773.5	775.9	778.5	781.0
137.5°	837.4	836.8	836.2	834.9	832.8	830.8	828.7	826.6	828.7	830.8	832.8
140°	870.8	869.7	868.5	867.0	864.9	862.8	860.8	858.7	860.8	862.8	864.9
142.5°	902.8	902.0	901.2	899.8	897.8	895.7	893.7	891.6	893.7	895.7	897.8
145°	949.4	948.1	946.7	945.2	943.6	942.1	940.5	938.8	940.5	942.1	943.6
147.5°	991.9	990.9	990.1	988.6	986.7	984.8	982.9	981.0	982.9	984.8	986.7
150°	1018.2	1017.2	1016.4	1015.2	1013.8	1012.5	1011.1	1009.7	1011.1	1012.5	1013.8
152.5°	1044.1	1043.0	1041.9	1040.7	1039.3	1037.9	1036.6	1035.2	1036.6	1037.9	1039.3
155°	1078.2	1077.5	1076.8	1076.2	1075.5	1074.8	1074.1	1073.4	1074.1	1074.8	1075.5
157.5°	1109.1	1108.7	1108.3	1107.9	1107.5	1107.0	1106.5	1106.0	1106.5	1107.0	1107.5
160°	1128.4	1128.1	1128.0	1127.6	1127.2	1126.7	1126.2	1125.8	1126.2	1126.7	1127.2
162.5°	1144.9	1144.6	1144.4	1144.2	1144.1	1144.1	1144.0	1143.8	1144.0	1144.1	1144.1
165°	1166.9	1166.9	1166.9	1167.0	1167.2	1167.4	1167.7	1167.9	1167.7	1167.4	1167.2
167.5°	1184.9	1184.9	1184.9	1185.3	1186.0	1186.7	1187.3	1188.0	1187.3	1186.7	1186.0
170°	1195.1	1195.3	1195.6	1196.0	1196.7	1197.4	1198.0	1198.7	1198.0	1197.4	1196.7
172.5°	1202.5	1202.7	1202.9	1203.4	1204.0	1204.8	1205.5	1206.1	1205.5	1204.8	1204.0
175°	1210.9	1211.4	1211.9	1212.4	1213.1	1213.8	1214.5	1215.1	1214.5	1213.8	1213.1
177.5°	1215.4	1215.8	1216.2	1216.6	1217.2	1217.7	1218.3	1218.9	1218.3	1217.7	1217.2
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331544-927

CATALOG NUMBER: S122DIW-S675D1240U927-4F0-1E-UDD-A1

**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°	7.9	8.3	9.0	10.1	10.7	11.4	11.0	10.9	10.8	10.1	10.1
90°	12.0	15.8	20.9	25.9	30.9	36.0	35.5	35.0	34.6	34.1	34.0
92.5°	26.3	27.9	29.1	30.3	31.4	32.6	32.7	32.9	33.0	33.0	33.1
95°	62.6	63.9	64.4	64.8	65.3	65.8	65.8	65.8	65.8	65.8	65.5
97.5°	105.6	107.0	107.9	108.8	109.6	110.5	110.5	110.5	110.5	110.5	110.5
100°	137.8	139.0	139.7	140.4	141.1	141.7	141.7	141.7	141.7	141.7	141.6
102.5°	170.8	172.0	172.9	173.7	174.6	175.5	175.6	175.8	176.0	176.2	176.2
105°	223.6	224.2	224.6	225.1	225.5	226.0	226.4	226.9	227.4	227.8	228.1
107.5°	281.1	281.6	281.6	281.6	281.6	281.6	281.9	282.0	282.2	282.4	281.9
110°	318.8	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.1



TEST NUMBER: P331544-927

CATALOG NUMBER: S122DIW-S675D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	358.2	358.8	358.6	358.5	358.2	358.1	357.5	357.0	356.4	355.8	355.4
115°	416.4	416.8	416.4	415.9	415.4	414.9	414.8	414.5	414.3	414.1	413.6
117.5°	476.1	476.4	475.1	473.8	472.5	471.3	470.7	470.2	469.6	469.1	468.5
120°	514.8	514.8	512.9	511.1	509.2	507.4	507.4	507.4	507.4	507.4	507.1
122.5°	551.5	552.0	550.7	549.5	548.1	546.8	546.3	545.8	545.3	544.7	544.2
125°	606.0	606.7	606.0	605.4	604.7	604.0	603.3	602.6	601.9	601.3	600.8
127.5°	661.9	662.7	661.9	661.1	660.3	659.4	658.6	657.8	657.0	656.2	655.4
130°	697.0	698.2	697.8	697.4	696.9	696.4	695.9	695.5	695.1	694.6	694.0
132.5°	732.6	733.9	734.0	734.0	734.1	734.2	733.2	732.2	731.2	730.2	729.4
135°	783.5	785.0	785.4	785.9	786.4	786.8	786.6	786.4	786.2	785.9	785.4
137.5°	834.9	836.2	836.8	837.4	838.0	838.6	838.4	838.2	838.0	837.9	837.3
140°	867.0	868.5	869.7	870.8	872.0	873.1	873.1	873.1	873.1	873.1	872.7
142.5°	899.8	901.2	902.0	902.8	903.6	904.4	904.5	904.7	904.9	905.1	904.7
145°	945.2	946.7	948.1	949.4	950.9	952.2	952.4	952.7	952.9	953.1	952.8
147.5°	988.6	990.1	990.9	991.9	992.8	993.7	994.2	994.7	995.2	995.7	995.5
150°	1015.2	1016.4	1017.2	1018.2	1019.1	1020.0	1020.6	1021.4	1022.1	1022.7	1022.7
152.5°	1040.7	1041.9	1043.0	1044.1	1045.2	1046.3	1047.2	1048.1	1048.8	1049.7	1049.7
155°	1076.2	1076.8	1077.5	1078.2	1078.9	1079.6	1080.7	1081.9	1083.0	1084.1	1084.3
157.5°	1107.9	1108.3	1108.7	1109.1	1109.5	1110.0	1111.5	1113.1	1114.6	1116.2	1116.4
160°	1127.6	1128.0	1128.1	1128.4	1128.6	1128.9	1130.2	1131.6	1133.0	1134.3	1134.6
162.5°	1144.2	1144.4	1144.6	1144.9	1145.1	1145.3	1146.8	1148.4	1149.9	1151.5	1151.8
165°	1167.0	1166.9	1166.9	1166.9	1166.9	1166.9	1168.5	1170.1	1171.6	1173.3	1173.5
167.5°	1185.3	1184.9	1184.9	1184.9	1184.8	1184.7	1186.4	1188.0	1189.5	1191.1	1191.4
170°	1196.0	1195.6	1195.3	1195.1	1194.8	1194.6	1196.2	1197.8	1199.4	1201.0	1201.1
172.5°	1203.4	1202.9	1202.7	1202.5	1202.2	1202.0	1203.6	1205.2	1206.8	1208.4	1208.5
175°	1212.4	1211.9	1211.4	1210.9	1210.5	1210.0	1211.6	1213.2	1214.8	1216.4	1216.6
177.5°	1216.6	1216.2	1215.8	1215.4	1215.1	1214.7	1215.8	1217.0	1218.1	1219.1	1219.1
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331544-927

CATALOG NUMBER: S122DIW-S675D1240U927-4F0-1E-UDD-A1

**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°	10.1	9.8	9.8	9.6	9.8	9.8	10.1	10.1	10.1	10.8	10.9
90°	34.2	34.5	34.7	34.9	34.7	34.5	34.2	34.0	34.1	34.6	35.0
92.5°	33.1	33.2	33.3	33.3	33.3	33.2	33.1	33.1	33.0	33.0	32.9
95°	65.0	64.6	64.2	63.7	64.2	64.6	65.0	65.5	65.8	65.8	65.8
97.5°	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.5	110.5	110.5	110.5
100°	141.4	141.2	140.9	140.7	140.9	141.2	141.4	141.6	141.7	141.7	141.7
102.5°	175.9	175.7	175.5	175.2	175.5	175.7	175.9	176.2	176.2	176.0	175.8
105°	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	227.8	227.4	226.9
107.5°	280.9	279.9	278.8	277.7	278.8	279.9	280.9	281.9	282.4	282.2	282.0
110°	318.5	317.7	317.0	316.4	317.0	317.7	318.5	319.1	319.5	319.5	319.5



TEST NUMBER: P331544-927

CATALOG NUMBER: S122DIW-S675D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	354.8	354.3	353.9	353.3	353.9	354.3	354.8	355.4	355.8	356.4	357.0
115°	413.0	412.3	411.5	410.9	411.5	412.3	413.0	413.6	414.1	414.3	414.5
117.5°	467.8	467.1	466.4	465.7	466.4	467.1	467.8	468.5	469.1	469.6	470.2
120°	506.4	505.7	505.0	504.4	505.0	505.7	506.4	507.1	507.4	507.4	507.4
122.5°	543.7	543.1	542.6	542.2	542.6	543.1	543.7	544.2	544.7	545.3	545.8
125°	600.6	600.3	600.1	599.8	600.1	600.3	600.6	600.8	601.3	601.9	602.6
127.5°	654.7	653.9	653.2	652.4	653.2	653.9	654.7	655.4	656.2	657.0	657.8
130°	693.0	692.1	691.2	690.2	691.2	692.1	693.0	694.0	694.6	695.1	695.5
132.5°	728.6	727.9	727.1	726.4	727.1	727.9	728.6	729.4	730.2	731.2	732.2
135°	784.7	784.1	783.4	782.7	783.4	784.1	784.7	785.4	785.9	786.2	786.4
137.5°	836.4	835.5	834.6	833.7	834.6	835.5	836.4	837.3	837.9	838.0	838.2
140°	871.7	870.8	869.9	869.0	869.9	870.8	871.7	872.7	873.1	873.1	873.1
142.5°	903.8	902.9	902.0	901.0	902.0	902.9	903.8	904.7	905.1	904.9	904.7
145°	951.9	950.9	950.1	949.1	950.1	950.9	951.9	952.8	953.1	952.9	952.7
147.5°	994.7	993.8	992.9	992.0	992.9	993.8	994.7	995.5	995.7	995.2	994.7
150°	1022.1	1021.4	1020.6	1020.0	1020.6	1021.4	1022.1	1022.7	1022.7	1022.1	1021.4
152.5°	1048.8	1048.1	1047.2	1046.3	1047.2	1048.1	1048.8	1049.7	1049.7	1048.8	1048.1
155°	1083.7	1083.0	1082.3	1081.6	1082.3	1083.0	1083.7	1084.3	1084.1	1083.0	1081.9
157.5°	1115.3	1114.2	1113.1	1112.0	1113.1	1114.2	1115.3	1116.4	1116.2	1114.6	1113.1
160°	1133.7	1132.7	1131.9	1130.9	1131.9	1132.7	1133.7	1134.6	1134.3	1133.0	1131.6
162.5°	1150.6	1149.5	1148.4	1147.4	1148.4	1149.5	1150.6	1151.8	1151.5	1149.9	1148.4
165°	1172.4	1171.2	1170.1	1168.9	1170.1	1171.2	1172.4	1173.5	1173.3	1171.6	1170.1
167.5°	1190.2	1189.0	1187.8	1186.6	1187.8	1189.0	1190.2	1191.4	1191.1	1189.5	1188.0
170°	1199.8	1198.4	1197.0	1195.6	1197.0	1198.4	1199.8	1201.1	1201.0	1199.4	1197.8
172.5°	1207.1	1205.8	1204.4	1203.0	1204.4	1205.8	1207.1	1208.5	1208.4	1206.8	1205.2
175°	1215.1	1213.8	1212.4	1211.0	1212.4	1213.8	1215.1	1216.6	1216.4	1214.8	1213.2
177.5°	1218.1	1217.0	1215.8	1214.7	1215.8	1217.0	1218.1	1219.1	1219.1	1218.1	1217.0
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



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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°	11.0	11.4	10.7	10.1	9.0	8.3	7.9	7.7	7.8	7.5	7.3
90°	35.5	36.0	30.9	25.9	20.9	15.8	12.0	9.3	6.5	3.8	1.0
92.5°	32.7	32.6	31.4	30.3	29.1	27.9	26.3	24.3	22.3	20.3	18.3
95°	65.8	65.8	65.3	64.8	64.4	63.9	62.6	60.3	58.0	55.7	53.4
97.5°	110.5	110.5	109.6	108.8	107.9	107.0	105.6	103.6	101.6	99.6	97.6
100°	141.7	141.7	141.1	140.4	139.7	139.0	137.8	135.9	134.1	132.3	130.5
102.5°	175.6	175.5	174.6	173.7	172.9	172.0	170.8	169.4	167.9	166.4	164.9
105°	226.4	226.0	225.5	225.1	224.6	224.2	223.6	222.9	222.2	221.5	220.9
107.5°	281.9	281.6	281.6	281.6	281.6	281.6	281.1	280.1	279.2	278.1	277.1
110°	319.5	319.5	319.5	319.5	319.5	319.5	318.8	317.4	316.0	314.7	313.3



TEST NUMBER: P331544-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	357.5	358.1	358.2	358.5	358.6	358.8	358.2	356.9	355.5	354.1	352.8
115°	414.8	414.9	415.4	415.9	416.4	416.8	416.4	414.9	413.6	412.3	410.9
117.5°	470.7	471.3	472.5	473.8	475.1	476.4	476.1	474.3	472.5	470.6	468.8
120°	507.4	507.4	509.2	511.1	512.9	514.8	514.8	512.9	511.1	509.2	507.4
122.5°	546.3	546.8	548.1	549.5	550.7	552.0	551.5	549.3	547.2	544.9	542.7
125°	603.3	604.0	604.7	605.4	606.0	606.7	606.0	604.0	601.9	599.8	597.8
127.5°	658.6	659.4	660.3	661.1	661.9	662.7	661.9	659.3	656.6	654.0	651.4
130°	695.9	696.4	696.9	697.4	697.8	698.2	697.0	694.0	691.1	688.1	685.2
132.5°	733.2	734.2	734.1	734.0	734.0	733.9	732.6	730.2	727.8	725.3	722.9
135°	786.6	786.8	786.4	785.9	785.4	785.0	783.5	781.0	778.5	775.9	773.5
137.5°	838.4	838.6	838.0	837.4	836.8	836.2	834.9	832.8	830.8	828.7	826.6
140°	873.1	873.1	872.0	870.8	869.7	868.5	867.0	864.9	862.8	860.8	858.7
142.5°	904.5	904.4	903.6	902.8	902.0	901.2	899.8	897.8	895.7	893.7	891.6
145°	952.4	952.2	950.9	949.4	948.1	946.7	945.2	943.6	942.1	940.5	938.8
147.5°	994.2	993.7	992.8	991.9	990.9	990.1	988.6	986.7	984.8	982.9	981.0
150°	1020.6	1020.0	1019.1	1018.2	1017.2	1016.4	1015.2	1013.8	1012.5	1011.1	1009.7
152.5°	1047.2	1046.3	1045.2	1044.1	1043.0	1041.9	1040.7	1039.3	1037.9	1036.6	1035.2
155°	1080.7	1079.6	1078.9	1078.2	1077.5	1076.8	1076.2	1075.5	1074.8	1074.1	1073.4
157.5°	1111.5	1110.0	1109.5	1109.1	1108.7	1108.3	1107.9	1107.5	1107.0	1106.5	1106.0
160°	1130.2	1128.9	1128.6	1128.4	1128.1	1128.0	1127.6	1127.2	1126.7	1126.2	1125.8
162.5°	1146.8	1145.3	1145.1	1144.9	1144.6	1144.4	1144.2	1144.1	1144.1	1144.0	1143.8
165°	1168.5	1166.9	1166.9	1166.9	1166.9	1166.9	1167.0	1167.2	1167.4	1167.7	1167.9
167.5°	1186.4	1184.7	1184.8	1184.9	1184.9	1184.9	1185.3	1186.0	1186.7	1187.3	1188.0
170°	1196.2	1194.6	1194.8	1195.1	1195.3	1195.6	1196.0	1196.7	1197.4	1198.0	1198.7
172.5°	1203.6	1202.0	1202.2	1202.5	1202.7	1202.9	1203.4	1204.0	1204.8	1205.5	1206.1
175°	1211.6	1210.0	1210.5	1210.9	1211.4	1211.9	1212.4	1213.1	1213.8	1214.5	1215.1
177.5°	1215.8	1214.7	1215.1	1215.4	1215.8	1216.2	1216.6	1217.2	1217.7	1218.3	1218.9
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331544-927

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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°	8.9	10.7	11.2	12.8	12.9	13.9	14.9	15.6	16.2	15.8	15.4
90°	3.8	6.5	9.3	12.0	15.8	20.9	25.9	30.9	36.0	35.5	35.0
92.5°	20.3	22.3	24.3	26.3	27.9	29.1	30.3	31.4	32.6	32.7	32.9
95°	55.7	58.0	60.3	62.6	63.9	64.4	64.8	65.3	65.8	65.8	65.8
97.5°	99.6	101.6	103.6	105.6	107.0	107.9	108.8	109.6	110.5	110.5	110.5
100°	132.3	134.1	135.9	137.8	139.0	139.7	140.4	141.1	141.7	141.7	141.7
102.5°	166.4	167.9	169.4	170.8	172.0	172.9	173.7	174.6	175.5	175.6	175.8
105°	221.5	222.2	222.9	223.6	224.2	224.6	225.1	225.5	226.0	226.4	226.9
107.5°	278.1	279.2	280.1	281.1	281.6	281.6	281.6	281.6	281.6	281.9	282.0
110°	314.7	316.0	317.4	318.8	319.5	319.5	319.5	319.5	319.5	319.5	319.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	354.1	355.5	356.9	358.2	358.8	358.6	358.5	358.2	358.1	357.5	357.0
115°	412.3	413.6	414.9	416.4	416.8	416.4	415.9	415.4	414.9	414.8	414.5
117.5°	470.6	472.5	474.3	476.1	476.4	475.1	473.8	472.5	471.3	470.7	470.2
120°	509.2	511.1	512.9	514.8	514.8	512.9	511.1	509.2	507.4	507.4	507.4
122.5°	544.9	547.2	549.3	551.5	552.0	550.7	549.5	548.1	546.8	546.3	545.8
125°	599.8	601.9	604.0	606.0	606.7	606.0	605.4	604.7	604.0	603.3	602.6
127.5°	654.0	656.6	659.3	661.9	662.7	661.9	661.1	660.3	659.4	658.6	657.8
130°	688.1	691.1	694.0	697.0	698.2	697.8	697.4	696.9	696.4	695.9	695.5
132.5°	725.3	727.8	730.2	732.6	733.9	734.0	734.0	734.1	734.2	733.2	732.2
135°	775.9	778.5	781.0	783.5	785.0	785.4	785.9	786.4	786.8	786.6	786.4
137.5°	828.7	830.8	832.8	834.9	836.2	836.8	837.4	838.0	838.6	838.4	838.2
140°	860.8	862.8	864.9	867.0	868.5	869.7	870.8	872.0	873.1	873.1	873.1
142.5°	893.7	895.7	897.8	899.8	901.2	902.0	902.8	903.6	904.4	904.5	904.7
145°	940.5	942.1	943.6	945.2	946.7	948.1	949.4	950.9	952.2	952.4	952.7
147.5°	982.9	984.8	986.7	988.6	990.1	990.9	991.9	992.8	993.7	994.2	994.7
150°	1011.1	1012.5	1013.8	1015.2	1016.4	1017.2	1018.2	1019.1	1020.0	1020.6	1021.4
152.5°	1036.6	1037.9	1039.3	1040.7	1041.9	1043.0	1044.1	1045.2	1046.3	1047.2	1048.1
155°	1074.1	1074.8	1075.5	1076.2	1076.8	1077.5	1078.2	1078.9	1079.6	1080.7	1081.9
157.5°	1106.5	1107.0	1107.5	1107.9	1108.3	1108.7	1109.1	1109.5	1110.0	1111.5	1113.1
160°	1126.2	1126.7	1127.2	1127.6	1128.0	1128.1	1128.4	1128.6	1128.9	1130.2	1131.6
162.5°	1144.0	1144.1	1144.1	1144.2	1144.4	1144.6	1144.9	1145.1	1145.3	1146.8	1148.4
165°	1167.7	1167.4	1167.2	1167.0	1166.9	1166.9	1166.9	1166.9	1166.9	1168.5	1170.1
167.5°	1187.3	1186.7	1186.0	1185.3	1184.9	1184.9	1184.9	1184.8	1184.7	1186.4	1188.0
170°	1198.0	1197.4	1196.7	1196.0	1195.6	1195.3	1195.1	1194.8	1194.6	1196.2	1197.8
172.5°	1205.5	1204.8	1204.0	1203.4	1202.9	1202.7	1202.5	1202.2	1202.0	1203.6	1205.2
175°	1214.5	1213.8	1213.1	1212.4	1211.9	1211.4	1210.9	1210.5	1210.0	1211.6	1213.2
177.5°	1218.3	1217.7	1217.2	1216.6	1216.2	1215.8	1215.4	1215.1	1214.7	1215.8	1217.0
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



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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°	15.7	15.5	15.2	15.3	15.6	15.4	15.4
90°	34.6	34.1	34.0	34.2	34.5	34.7	34.9
92.5°	33.0	33.0	33.1	33.1	33.2	33.3	33.3
95°	65.8	65.8	65.5	65.0	64.6	64.2	63.7
97.5°	110.5	110.5	110.5	110.4	110.4	110.4	110.4
100°	141.7	141.7	141.6	141.4	141.2	140.9	140.7
102.5°	176.0	176.2	176.2	175.9	175.7	175.5	175.2
105°	227.4	227.8	228.1	228.1	228.1	228.1	228.1
107.5°	282.2	282.4	281.9	280.9	279.9	278.8	277.7
110°	319.5	319.5	319.1	318.5	317.7	317.0	316.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	356.4	355.8	355.4	354.8	354.3	353.9	353.3
115°	414.3	414.1	413.6	413.0	412.3	411.5	410.9
117.5°	469.6	469.1	468.5	467.8	467.1	466.4	465.7
120°	507.4	507.4	507.1	506.4	505.7	505.0	504.4
122.5°	545.3	544.7	544.2	543.7	543.1	542.6	542.2
125°	601.9	601.3	600.8	600.6	600.3	600.1	599.8
127.5°	657.0	656.2	655.4	654.7	653.9	653.2	652.4
130°	695.1	694.6	694.0	693.0	692.1	691.2	690.2
132.5°	731.2	730.2	729.4	728.6	727.9	727.1	726.4
135°	786.2	785.9	785.4	784.7	784.1	783.4	782.7
137.5°	838.0	837.9	837.3	836.4	835.5	834.6	833.7
140°	873.1	873.1	872.7	871.7	870.8	869.9	869.0
142.5°	904.9	905.1	904.7	903.8	902.9	902.0	901.0
145°	952.9	953.1	952.8	951.9	950.9	950.1	949.1
147.5°	995.2	995.7	995.5	994.7	993.8	992.9	992.0
150°	1022.1	1022.7	1022.7	1022.1	1021.4	1020.6	1020.0
152.5°	1048.8	1049.7	1049.7	1048.8	1048.1	1047.2	1046.3
155°	1083.0	1084.1	1084.3	1083.7	1083.0	1082.3	1081.6
157.5°	1114.6	1116.2	1116.4	1115.3	1114.2	1113.1	1112.0
160°	1133.0	1134.3	1134.6	1133.7	1132.7	1131.9	1130.9
162.5°	1149.9	1151.5	1151.8	1150.6	1149.5	1148.4	1147.4
165°	1171.6	1173.3	1173.5	1172.4	1171.2	1170.1	1168.9
167.5°	1189.5	1191.1	1191.4	1190.2	1189.0	1187.8	1186.6
170°	1199.4	1201.0	1201.1	1199.8	1198.4	1197.0	1195.6
172.5°	1206.8	1208.4	1208.5	1207.1	1205.8	1204.4	1203.0
175°	1214.8	1216.4	1216.6	1215.1	1213.8	1212.4	1211.0
177.5°	1218.1	1219.1	1219.1	1218.1	1217.0	1215.8	1214.7
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2

(END OF REPORT)