

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: P331538-935

Luminaire Tested: **S122DIW-S675D970U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331538-935
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-S675D970U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5416.8 lumens
Efficiency: N/A
Efficacy: 103.0 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

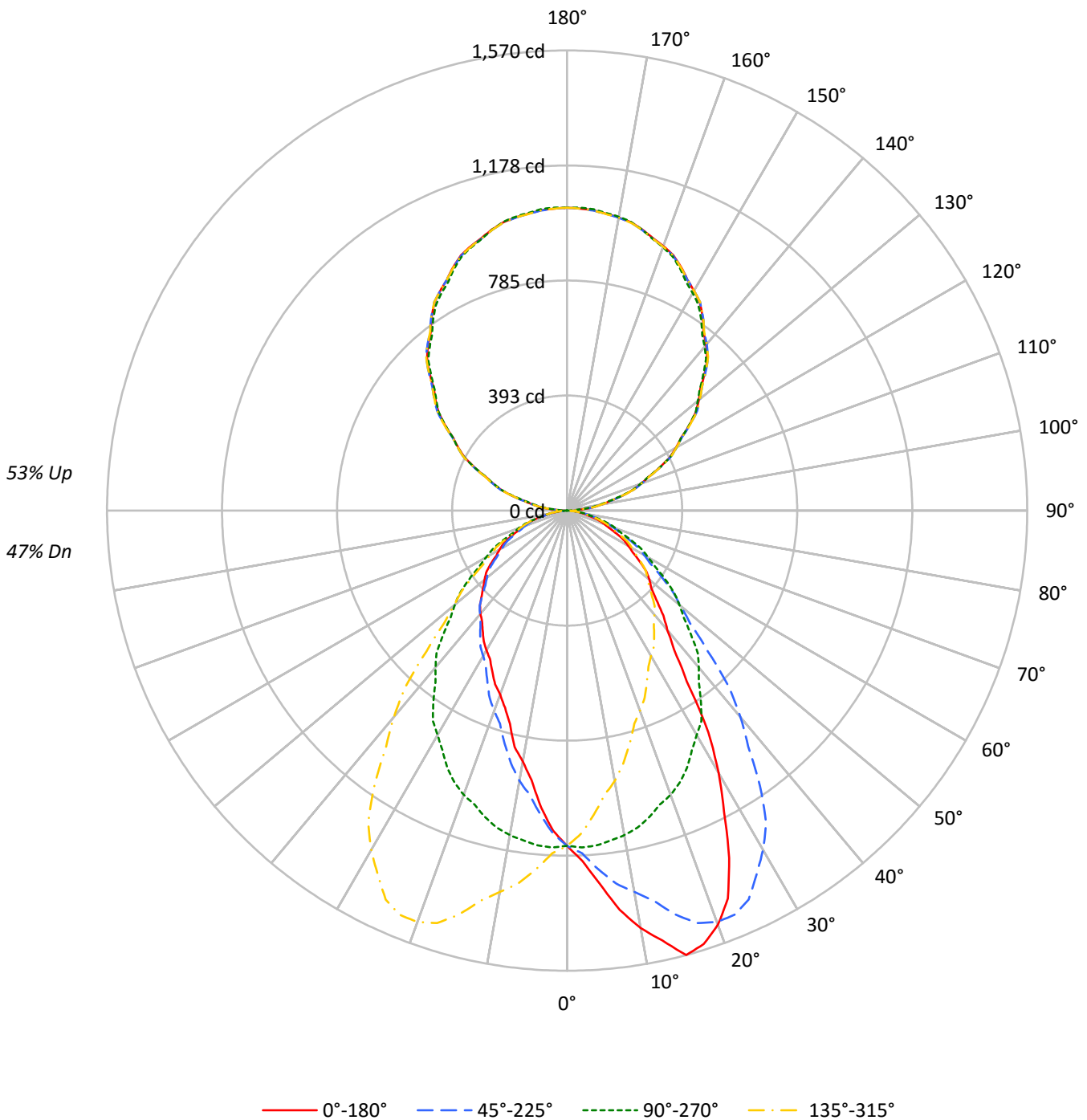
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53	47				47
1	97	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46				40	
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	42	41	39				34	
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34				30	
4	75	64	57	51	69	60	53	48	51	45	42	42	38	35	34	32	30				26	
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26				23	
6	64	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23				20	
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	26	23	21				18	
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19				16	
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17				15	
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18466	18466	18466	18466
5°	20702	18585	16470	18585
10°	23722	18433	14254	18433
15°	26242	18094	12593	18094
20°	25844	17732	11478	17732
25°	23302	17250	10774	17250
30°	19257	16479	10260	16479
35°	14034	15672	9895	15672
40°	11209	14720	9691	14720
45°	9796	13618	9412	13618
50°	9206	12552	9231	12552
55°	8487	11468	8982	11468
60°	7776	10317	8603	10317
65°	7087	9287	8225	9287
70°	6430	8280	7676	8280
75°	5702	7155	6800	7155
80°	4909	5923	5477	5923
85°	4409	4409	3260	4409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	2.0
10°-20°	316.6	5.8
20°-30°	459.5	8.5
30°-40°	484.9	9.0
40°-50°	429.4	7.9
50°-60°	342.6	6.3
60°-70°	232.9	4.3
70°-80°	119.4	2.2
80°-90°	32.9	0.6
90°-100°	65.5	1.2
100°-110°	203.4	3.8
110°-120°	347.6	6.4
120°-130°	457.2	8.4
130°-140°	513.1	9.5
140°-150°	503.1	9.3
150°-160°	422.0	7.8
160°-170°	279.9	5.2
170°-180°	97.8	1.8
0°-30°	885.1	16.3
0°-40°	1370.0	25.3
0°-60°	2142.0	39.5
0°-90°	2527.2	46.7
90°-120°	616.5	11.4
90°-150°	2089.9	38.6
90°-180°	2890.0	53.4
0°-180°	5416.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1144	1144	1144	1144	1144	
5°	1277	1147	1016	1147	1277	128
15°	1570	1082	753	1082	1570	433
25°	1308	968	605	968	1308	591
35°	712	795	502	795	712	463
45°	429	596	412	596	429	337
55°	302	407	319	407	302	270
65°	186	243	215	243	186	184
75°	91	115	109	115	91	98
85°	24	24	18	24	24	27
90°	30	1	30	1	30	14
95°	54	45	54	45	54	60
105°	194	188	194	188	194	204
115°	349	349	349	349	349	344
125°	509	508	509	508	509	454
135°	664	657	664	657	664	511
145°	806	797	806	797	806	503
155°	918	911	918	911	918	423
165°	992	992	992	992	992	280
175°	1028	1032	1028	1032	1028	98
180°	1033	1033	1033	1033	1033	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1196.4	1196.7	1197.5	1191.8	1191.1	1191.1	1186.2	1182.0	1177.1	1170.4	1171.0
5°	1277.3	1282.1	1283.8	1278.6	1270.7	1269.8	1262.3	1250.0	1238.5	1229.3	1222.8
7.5°	1373.8	1375.7	1371.4	1364.4	1358.6	1348.1	1334.1	1320.5	1301.4	1283.9	1270.9
10°	1446.9	1449.6	1442.1	1432.0	1423.7	1411.4	1391.1	1370.5	1345.4	1321.2	1301.8
12.5°	1502.4	1509.0	1499.4	1498.1	1483.8	1466.9	1442.8	1432.4	1397.1	1363.4	1342.6
15°	1569.9	1569.5	1570.5	1562.1	1551.5	1548.9	1523.4	1495.7	1446.0	1426.2	1392.0
17.5°	1550.5	1557.1	1560.2	1560.1	1559.9	1558.2	1550.1	1532.6	1507.7	1475.6	1436.0
20°	1504.1	1512.9	1514.2	1524.3	1530.0	1537.5	1540.5	1535.7	1520.4	1493.5	1459.2
22.5°	1432.4	1434.8	1438.9	1454.7	1467.1	1485.7	1495.6	1511.8	1505.9	1492.8	1464.1
25°	1308.0	1303.6	1319.1	1326.9	1355.5	1385.3	1407.0	1430.6	1451.7	1464.5	1456.1
27.5°	1158.7	1152.2	1175.2	1196.2	1219.4	1251.8	1285.4	1325.0	1358.0	1399.2	1413.3
30°	1032.9	1036.8	1058.9	1081.2	1116.4	1162.1	1199.9	1243.5	1290.5	1336.6	1368.6
32.5°	897.2	912.4	926.3	960.6	991.5	1042.6	1097.9	1152.4	1211.0	1263.4	1313.1
35°	712.0	729.6	749.0	774.0	817.5	868.1	922.1	995.5	1075.6	1147.2	1206.1
37.5°	599.3	596.5	607.6	625.7	661.0	701.7	764.0	836.5	930.7	1014.9	1097.9
40°	531.8	530.0	538.0	554.7	581.5	611.4	665.9	729.6	817.1	919.9	1018.8
42.5°	485.4	486.5	490.9	502.7	521.0	545.6	586.4	640.7	720.7	817.6	923.9
45°	429.0	432.0	436.9	442.6	453.1	473.4	496.2	534.9	598.2	679.1	783.7
47.5°	388.4	388.5	393.4	398.4	404.7	416.0	434.7	458.9	503.6	569.5	659.4
50°	366.5	363.5	367.0	370.9	377.5	385.5	397.8	420.6	450.5	503.7	578.9
52.5°	339.8	339.9	343.1	344.6	350.5	358.3	369.6	385.5	412.5	454.1	515.9
55°	301.5	303.7	305.5	308.1	313.4	319.1	327.9	338.5	359.6	390.7	436.4
57.5°	265.4	266.1	267.9	272.9	276.3	281.5	289.9	299.5	313.2	336.3	370.7
60°	240.8	240.8	244.4	246.6	251.0	256.2	262.9	272.1	284.4	303.2	331.0
62.5°	218.3	218.0	219.4	223.0	226.4	231.3	237.9	245.7	257.3	274.1	296.9
65°	185.5	184.6	187.3	188.1	191.7	196.5	201.7	210.1	219.3	231.6	251.8
67.5°	153.9	154.9	156.3	158.0	159.9	165.0	168.5	174.4	182.2	192.4	206.1
70°	136.2	136.2	136.2	137.6	140.2	142.8	146.4	151.2	158.7	167.5	179.8
72.5°	116.6	118.0	119.3	118.6	121.9	123.5	127.7	130.4	137.6	143.2	154.1
75°	91.4	91.4	91.4	93.6	95.0	96.3	98.9	101.5	105.0	112.1	117.8
77.5°	68.2	68.0	68.4	69.0	70.4	72.0	72.8	75.2	78.4	81.6	86.5
80°	52.8	53.6	54.1	54.9	54.9	55.8	56.2	59.3	61.6	63.7	66.8
82.5°	40.8	41.0	41.1	41.2	41.6	42.1	43.2	44.3	45.0	46.8	49.2
85°	23.8	23.3	23.3	24.2	23.8	23.8	24.6	25.5	25.5	25.9	27.2
87.5°	15.1	15.1	15.3	15.0	14.9	15.3	15.3	15.1	15.5	15.9	15.4
90°	29.6	29.4	29.3	29.1	28.8	28.9	29.4	29.7	30.1	30.5	26.3
92.5°	28.2	28.2	28.2	28.2	28.1	28.1	28.0	27.9	27.8	27.7	26.7
95°	54.1	54.4	54.8	55.2	55.6	55.8	55.8	55.8	55.8	55.8	55.4
97.5°	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.1
100°	119.5	119.7	119.9	120.0	120.3	120.4	120.4	120.4	120.4	120.4	119.8
102.5°	148.8	149.0	149.1	149.4	149.6	149.6	149.4	149.3	149.1	149.0	148.2
105°	193.6	193.6	193.6	193.6	193.6	193.4	193.0	192.6	192.3	191.8	191.5
107.5°	235.8	236.7	237.5	238.5	239.4	239.7	239.6	239.4	239.3	239.1	239.1
110°	268.6	269.1	269.8	270.4	271.0	271.2	271.2	271.2	271.2	271.2	271.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	300.0	300.4	300.8	301.3	301.7	302.1	302.6	303.1	303.5	304.0	304.2
115°	348.8	349.4	350.0	350.6	351.1	351.5	351.7	351.9	352.1	352.3	352.7
117.5°	395.4	396.0	396.6	397.2	397.7	398.2	398.7	399.2	399.7	400.1	401.2
120°	428.2	428.8	429.4	429.9	430.5	430.8	430.8	430.8	430.8	430.8	432.4
122.5°	460.3	460.7	461.2	461.6	462.0	462.4	462.9	463.4	463.8	464.3	465.4
125°	509.3	509.5	509.7	509.9	510.1	510.5	511.0	511.6	512.2	512.8	513.3
127.5°	554.0	554.6	555.2	555.8	556.4	557.1	557.8	558.4	559.1	559.9	560.6
130°	586.0	586.8	587.5	588.3	589.1	589.7	590.1	590.5	590.9	591.2	591.7
132.5°	616.7	617.3	617.9	618.6	619.2	619.9	620.8	621.6	622.5	623.4	623.3
135°	664.5	665.1	665.6	666.2	666.8	667.2	667.4	667.6	667.8	668.0	667.6
137.5°	707.7	708.5	709.3	710.1	710.8	711.4	711.5	711.6	711.8	712.0	711.4
140°	737.8	738.6	739.3	740.1	740.9	741.2	741.2	741.2	741.2	741.2	740.3
142.5°	765.0	765.8	766.5	767.3	768.1	768.4	768.3	768.1	767.9	767.8	767.2
145°	805.8	806.6	807.4	808.1	808.9	809.2	809.0	808.8	808.6	808.4	807.3
147.5°	842.2	843.0	843.7	844.5	845.2	845.3	844.9	844.5	844.0	843.6	842.8
150°	866.0	866.5	867.1	867.7	868.3	868.3	867.7	867.1	866.5	866.0	865.2
152.5°	888.3	889.0	889.8	890.5	891.2	891.2	890.5	889.8	889.0	888.3	887.3
155°	918.3	918.9	919.5	920.1	920.6	920.4	919.5	918.5	917.5	916.5	915.9
157.5°	944.1	945.0	946.0	946.9	947.8	947.6	946.3	945.0	943.7	942.4	942.0
160°	960.2	961.0	961.7	962.5	963.3	963.0	961.9	960.7	959.6	958.4	958.2
162.5°	974.1	975.0	975.9	976.9	977.8	977.7	976.3	975.0	973.7	972.3	972.2
165°	992.4	993.4	994.4	995.3	996.3	996.1	994.7	993.4	992.0	990.7	990.7
167.5°	1007.5	1008.4	1009.4	1010.5	1011.4	1011.2	1010.0	1008.6	1007.2	1005.8	1005.9
170°	1015.1	1016.2	1017.4	1018.6	1019.8	1019.7	1018.3	1016.9	1015.5	1014.3	1014.4
172.5°	1021.4	1022.5	1023.7	1024.8	1026.1	1025.9	1024.6	1023.2	1021.8	1020.5	1020.7
175°	1028.2	1029.3	1030.5	1031.7	1032.9	1032.7	1031.4	1030.0	1028.6	1027.3	1027.7
177.5°	1031.3	1032.3	1033.2	1034.1	1035.0	1035.0	1034.1	1033.2	1032.3	1031.3	1031.7
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1173.5	1170.7	1169.0	1162.6	1157.0	1151.4	1149.6	1150.3	1142.6	1135.2	1132.0
5°	1219.3	1210.5	1202.1	1190.2	1176.2	1160.8	1152.9	1146.7	1131.4	1114.7	1105.0
7.5°	1260.2	1247.7	1231.6	1209.2	1188.8	1164.6	1149.2	1135.6	1113.0	1089.5	1075.0
10°	1285.2	1268.0	1247.3	1220.1	1195.1	1165.6	1145.0	1124.3	1097.9	1069.8	1052.2
12.5°	1306.7	1283.5	1263.2	1228.2	1198.6	1161.7	1137.2	1108.1	1080.4	1047.0	1029.8
15°	1357.7	1315.1	1276.3	1236.8	1200.3	1148.9	1121.7	1082.5	1046.0	1004.8	985.0
17.5°	1397.1	1349.3	1288.3	1238.0	1195.5	1138.6	1098.5	1051.7	1008.6	961.3	934.4
20°	1419.7	1364.7	1299.2	1239.5	1188.4	1123.4	1080.0	1032.0	981.5	928.2	899.2
22.5°	1433.0	1375.3	1310.5	1234.2	1174.4	1111.1	1056.4	1003.8	952.6	895.3	864.8
25°	1437.3	1384.5	1316.0	1229.8	1156.8	1085.2	1019.3	968.3	906.3	852.6	808.3
27.5°	1416.3	1378.5	1312.6	1221.5	1136.5	1052.7	979.3	921.5	856.1	797.9	753.3
30°	1390.7	1368.6	1304.5	1213.1	1120.3	1030.3	949.3	883.9	818.8	759.9	714.2
32.5°	1350.9	1346.2	1289.8	1201.1	1103.1	1001.8	918.1	851.9	779.8	721.9	678.4
35°	1272.9	1294.0	1258.4	1174.4	1070.7	961.2	870.7	795.1	720.4	665.0	624.1
37.5°	1168.3	1220.6	1211.3	1135.3	1026.9	917.1	817.2	738.1	666.9	611.1	570.9
40°	1096.1	1163.0	1172.7	1105.4	996.0	883.0	777.1	698.4	629.0	578.0	537.5
42.5°	1018.8	1096.9	1123.4	1069.5	962.2	847.1	741.2	659.7	591.0	541.4	505.6
45°	889.2	992.5	1040.3	1009.6	905.9	788.1	679.1	596.4	534.0	487.4	459.8
47.5°	767.9	880.8	945.2	934.4	843.2	726.5	618.8	539.5	478.7	441.5	416.7
50°	682.2	798.1	876.0	879.5	798.1	682.6	574.5	499.7	443.9	409.2	389.0
52.5°	607.6	718.3	803.2	821.8	747.9	636.9	534.8	460.4	411.2	379.3	361.2
55°	510.3	603.9	697.9	732.3	672.9	567.4	472.9	407.4	361.3	339.3	323.5
57.5°	424.2	502.3	589.2	627.1	590.5	500.2	411.6	354.7	317.3	298.0	285.9
60°	378.8	440.4	517.7	563.0	531.4	451.0	373.6	319.5	288.8	271.6	260.2
62.5°	336.7	391.2	456.6	498.0	480.8	404.9	335.6	287.9	261.3	245.2	237.0
65°	277.8	320.9	371.4	409.7	398.2	340.6	284.0	243.1	222.0	209.2	202.6
67.5°	228.8	259.8	294.9	328.4	319.2	278.4	232.9	201.0	185.3	174.4	170.4
70°	197.8	221.5	252.7	279.6	272.1	238.7	202.6	175.4	161.8	152.5	148.5
72.5°	168.2	187.8	211.5	233.5	228.4	200.7	170.7	150.1	139.6	131.0	127.8
75°	127.0	142.0	156.4	171.0	169.6	148.1	130.5	114.7	106.3	99.8	98.4
77.5°	93.8	102.1	112.0	120.6	118.2	105.9	92.1	83.1	76.9	72.5	71.8
80°	71.6	76.5	83.5	89.6	86.6	81.3	70.3	63.7	59.3	54.9	53.2
82.5°	51.9	56.8	61.0	64.3	62.0	57.1	50.3	45.8	43.1	40.2	39.4
85°	27.2	29.9	31.7	32.5	31.7	28.6	25.5	23.8	21.5	20.2	19.8
87.5°	15.0	14.1	13.3	13.3	11.8	11.3	9.5	7.9	8.0	8.2	7.9
90°	22.0	17.7	13.4	10.2	7.8	5.5	3.2	0.9	3.2	5.5	7.8
92.5°	25.7	24.7	23.7	22.4	20.7	18.9	17.2	15.5	17.2	18.9	20.7
95°	55.0	54.7	54.2	53.1	51.1	49.2	47.3	45.4	47.3	49.2	51.1
97.5°	92.4	91.6	90.9	89.6	88.0	86.3	84.6	82.8	84.6	86.3	88.0
100°	119.2	118.6	118.0	116.9	115.4	113.8	112.3	110.7	112.3	113.8	115.4
102.5°	147.5	146.7	146.0	145.0	143.8	142.5	141.3	140.1	141.3	142.5	143.8
105°	191.1	190.7	190.3	189.9	189.2	188.6	188.0	187.5	188.0	188.6	189.2
107.5°	239.1	239.1	239.1	238.7	237.8	236.9	236.2	235.3	236.2	236.9	237.8
110°	271.2	271.2	271.2	270.6	269.5	268.3	267.2	266.0	267.2	268.3	269.5



TEST NUMBER: P331538-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	304.3	304.4	304.6	304.1	303.0	301.8	300.7	299.5	300.7	301.8	303.0
115°	353.1	353.4	353.9	353.4	352.3	351.1	350.0	348.8	350.0	351.1	352.3
117.5°	402.3	403.4	404.4	404.2	402.7	401.1	399.6	398.0	399.6	401.1	402.7
120°	433.9	435.5	437.0	437.0	435.5	433.9	432.4	430.8	432.4	433.9	435.5
122.5°	466.5	467.5	468.6	468.2	466.4	464.5	462.7	460.8	462.7	464.5	466.4
125°	513.9	514.5	515.1	514.5	512.8	511.0	509.3	507.6	509.3	511.0	512.8
127.5°	561.3	562.0	562.7	561.9	559.7	557.5	555.3	553.1	555.3	557.5	559.7
130°	592.0	592.5	592.8	591.8	589.3	586.7	584.2	581.7	584.2	586.7	589.3
132.5°	623.2	623.1	623.0	622.0	619.9	617.9	615.8	613.7	615.8	617.9	619.9
135°	667.2	666.8	666.4	665.2	663.1	660.9	658.8	656.7	658.8	660.9	663.1
137.5°	710.9	710.4	710.0	708.8	707.1	705.3	703.6	701.8	703.6	705.3	707.1
140°	739.3	738.4	737.4	736.0	734.3	732.5	730.8	729.0	730.8	732.5	734.3
142.5°	766.5	765.8	765.2	764.0	762.2	760.4	758.7	757.0	758.7	760.4	762.2
145°	806.1	804.9	803.7	802.5	801.2	799.8	798.4	797.0	798.4	799.8	801.2
147.5°	842.1	841.3	840.5	839.3	837.7	836.1	834.5	832.8	834.5	836.1	837.7
150°	864.4	863.7	862.9	861.9	860.7	859.5	858.4	857.2	858.4	859.5	860.7
152.5°	886.4	885.5	884.6	883.6	882.4	881.2	880.0	878.9	880.0	881.2	882.4
155°	915.4	914.8	914.2	913.6	913.1	912.5	911.9	911.3	911.9	912.5	913.1
157.5°	941.7	941.3	941.0	940.6	940.2	939.8	939.4	939.0	939.4	939.8	940.2
160°	958.0	957.9	957.6	957.3	956.9	956.6	956.1	955.8	956.1	956.6	956.9
162.5°	972.0	971.8	971.6	971.5	971.4	971.3	971.2	971.1	971.2	971.3	971.4
165°	990.7	990.7	990.7	990.8	990.9	991.2	991.4	991.5	991.4	991.2	990.9
167.5°	1005.9	1006.0	1006.0	1006.3	1006.9	1007.5	1008.1	1008.7	1008.1	1007.5	1006.9
170°	1014.6	1014.8	1015.0	1015.4	1016.0	1016.6	1017.1	1017.7	1017.1	1016.6	1016.0
172.5°	1020.9	1021.1	1021.2	1021.7	1022.3	1022.8	1023.4	1024.0	1023.4	1022.8	1022.3
175°	1028.0	1028.5	1028.8	1029.3	1029.9	1030.5	1031.0	1031.7	1031.0	1030.5	1029.9
177.5°	1031.9	1032.3	1032.5	1032.9	1033.4	1033.9	1034.3	1034.8	1034.3	1033.9	1033.4
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331538-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1128.5	1126.4	1119.0	1115.2	1108.8	1102.9	1099.0	1100.8	1102.2	1101.5	1100.4
5°	1096.1	1087.8	1075.0	1064.1	1056.2	1041.6	1035.5	1032.4	1029.8	1026.7	1023.6
7.5°	1057.7	1044.5	1026.2	1010.6	995.7	977.8	967.5	961.3	955.0	948.0	941.9
10°	1030.3	1011.8	992.5	970.4	952.9	936.6	922.1	912.5	903.7	895.4	889.2
12.5°	1001.4	980.2	956.2	926.2	906.8	883.6	881.3	864.3	850.6	845.4	838.2
15°	955.5	925.7	895.4	859.7	844.3	823.2	810.0	796.9	785.0	776.6	774.5
17.5°	903.4	864.7	834.6	809.0	783.8	762.2	750.0	739.4	729.7	718.5	717.0
20°	863.7	830.3	797.3	774.9	749.0	726.9	712.0	701.5	693.1	686.6	680.8
22.5°	826.0	789.5	759.3	734.8	709.2	691.5	679.7	669.5	662.5	655.2	649.9
25°	765.7	737.1	704.1	676.4	655.3	643.9	634.2	625.4	621.0	616.2	610.1
27.5°	712.8	681.1	650.2	628.8	610.3	600.1	593.2	587.3	583.2	580.3	576.9
30°	675.5	643.4	619.3	598.2	582.8	572.7	568.3	564.8	560.0	558.2	556.5
32.5°	639.7	610.8	590.1	571.8	557.2	550.5	546.5	543.4	539.6	537.8	534.3
35°	588.9	564.8	544.6	534.4	522.6	516.9	513.8	509.4	505.9	504.1	503.7
37.5°	541.2	520.2	507.0	494.0	489.0	485.4	481.2	478.2	477.2	476.9	476.5
40°	510.3	493.2	481.3	470.7	468.6	463.2	459.8	457.1	457.1	457.5	457.1
42.5°	482.2	466.7	456.3	447.2	444.6	441.4	437.9	437.7	438.5	440.0	438.5
45°	439.5	428.5	421.0	416.6	411.8	408.7	408.3	409.7	410.1	410.5	411.8
47.5°	400.3	393.0	386.2	381.4	379.3	378.8	378.2	380.6	382.6	383.4	385.5
50°	377.1	368.8	363.1	360.0	358.2	357.3	358.2	360.8	362.6	364.8	366.1
52.5°	351.1	345.2	341.2	338.9	338.2	338.7	338.9	341.9	344.7	345.4	346.1
55°	315.1	310.7	309.9	305.9	307.6	307.2	309.4	311.2	313.8	316.4	316.9
57.5°	279.3	275.8	273.4	273.7	274.2	276.2	278.0	281.1	284.0	286.7	287.0
60°	255.4	253.6	252.3	252.3	253.1	255.8	258.0	261.1	262.9	264.6	265.9
62.5°	233.6	231.8	230.5	231.2	233.5	235.1	237.6	239.3	241.0	242.8	243.4
65°	199.1	198.2	199.6	200.4	200.9	203.0	206.1	207.4	209.2	210.1	213.2
67.5°	167.4	167.6	167.4	168.6	171.2	171.7	174.6	177.6	178.0	179.7	181.7
70°	145.9	146.8	147.7	148.5	150.8	151.6	153.9	155.2	156.9	158.3	159.5
72.5°	126.2	126.4	127.3	127.1	129.0	130.9	132.8	134.1	135.8	137.5	138.8
75°	97.1	97.1	98.0	98.4	100.7	102.9	102.4	103.3	105.0	106.8	107.7
77.5°	70.9	70.0	70.9	71.4	72.1	74.0	74.3	75.5	77.5	76.9	77.9
80°	54.1	52.8	54.1	54.5	54.5	56.7	56.7	57.6	58.9	57.6	58.9
82.5°	38.6	38.0	38.9	39.0	39.7	39.8	40.6	40.7	42.0	41.4	42.0
85°	19.4	18.9	19.4	18.9	19.4	19.8	19.8	19.4	19.4	20.2	18.9
87.5°	8.0	8.4	8.8	9.6	10.2	10.7	10.2	10.2	10.1	9.3	9.3
90°	10.2	13.4	17.7	22.0	26.3	30.5	30.1	29.7	29.4	28.9	28.8
92.5°	22.4	23.7	24.7	25.7	26.7	27.7	27.8	27.9	28.0	28.1	28.1
95°	53.1	54.2	54.7	55.0	55.4	55.8	55.8	55.8	55.8	55.8	55.6
97.5°	89.6	90.9	91.6	92.4	93.1	93.8	93.8	93.8	93.8	93.8	93.8
100°	116.9	118.0	118.6	119.2	119.8	120.4	120.4	120.4	120.4	120.4	120.3
102.5°	145.0	146.0	146.7	147.5	148.2	149.0	149.1	149.3	149.4	149.6	149.6
105°	189.9	190.3	190.7	191.1	191.5	191.8	192.3	192.6	193.0	193.4	193.6
107.5°	238.7	239.1	239.1	239.1	239.1	239.1	239.3	239.4	239.6	239.7	239.4
110°	270.6	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.2	271.0



TEST NUMBER: P331538-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	304.1	304.6	304.4	304.3	304.2	304.0	303.5	303.1	302.6	302.1	301.7
115°	353.4	353.9	353.4	353.1	352.7	352.3	352.1	351.9	351.7	351.5	351.1
117.5°	404.2	404.4	403.4	402.3	401.2	400.1	399.7	399.2	398.7	398.2	397.7
120°	437.0	437.0	435.5	433.9	432.4	430.8	430.8	430.8	430.8	430.8	430.5
122.5°	468.2	468.6	467.5	466.5	465.4	464.3	463.8	463.4	462.9	462.4	462.0
125°	514.5	515.1	514.5	513.9	513.3	512.8	512.2	511.6	511.0	510.5	510.1
127.5°	561.9	562.7	562.0	561.3	560.6	559.9	559.1	558.4	557.8	557.1	556.4
130°	591.8	592.8	592.5	592.0	591.7	591.2	590.9	590.5	590.1	589.7	589.1
132.5°	622.0	623.0	623.1	623.2	623.3	623.4	622.5	621.6	620.8	619.9	619.2
135°	665.2	666.4	666.8	667.2	667.6	668.0	667.8	667.6	667.4	667.2	666.8
137.5°	708.8	710.0	710.4	710.9	711.4	712.0	711.8	711.6	711.5	711.4	710.8
140°	736.0	737.4	738.4	739.3	740.3	741.2	741.2	741.2	741.2	741.2	740.9
142.5°	764.0	765.2	765.8	766.5	767.2	767.8	767.9	768.1	768.3	768.4	768.1
145°	802.5	803.7	804.9	806.1	807.3	808.4	808.6	808.8	809.0	809.2	808.9
147.5°	839.3	840.5	841.3	842.1	842.8	843.6	844.0	844.5	844.9	845.3	845.2
150°	861.9	862.9	863.7	864.4	865.2	866.0	866.5	867.1	867.7	868.3	868.3
152.5°	883.6	884.6	885.5	886.4	887.3	888.3	889.0	889.8	890.5	891.2	891.2
155°	913.6	914.2	914.8	915.4	915.9	916.5	917.5	918.5	919.5	920.4	920.6
157.5°	940.6	941.0	941.3	941.7	942.0	942.4	943.7	945.0	946.3	947.6	947.8
160°	957.3	957.6	957.9	958.0	958.2	958.4	959.6	960.7	961.9	963.0	963.3
162.5°	971.5	971.6	971.8	972.0	972.2	972.3	973.7	975.0	976.3	977.7	977.8
165°	990.8	990.7	990.7	990.7	990.7	990.7	992.0	993.4	994.7	996.1	996.3
167.5°	1006.3	1006.0	1006.0	1005.9	1005.9	1005.8	1007.2	1008.6	1010.0	1011.2	1011.4
170°	1015.4	1015.0	1014.8	1014.6	1014.4	1014.3	1015.5	1016.9	1018.3	1019.7	1019.8
172.5°	1021.7	1021.2	1021.1	1020.9	1020.7	1020.5	1021.8	1023.2	1024.6	1025.9	1026.1
175°	1029.3	1028.8	1028.5	1028.0	1027.7	1027.3	1028.6	1030.0	1031.4	1032.7	1032.9
177.5°	1032.9	1032.5	1032.3	1031.9	1031.7	1031.3	1032.3	1033.2	1034.1	1035.0	1035.0
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331538-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1096.9	1096.1	1096.1	1093.0	1096.1	1096.1	1096.9	1100.4	1101.5	1102.2	1100.8
5°	1017.5	1016.2	1014.0	1016.2	1014.0	1016.2	1017.5	1023.6	1026.7	1029.8	1032.4
7.5°	939.0	933.8	933.0	927.7	933.0	933.8	939.0	941.9	948.0	955.0	961.3
10°	881.7	878.1	877.7	869.4	877.7	878.1	881.7	889.2	895.4	903.7	912.5
12.5°	838.1	829.7	831.3	826.5	831.3	829.7	838.1	838.2	845.4	850.6	864.3
15°	762.6	762.6	760.8	753.4	760.8	762.6	762.6	774.5	776.6	785.0	796.9
17.5°	708.3	707.5	703.3	705.3	703.3	707.5	708.3	717.0	718.5	729.7	739.4
20°	676.0	673.4	668.0	668.0	668.0	673.4	676.0	680.8	686.6	693.1	701.5
22.5°	645.4	645.2	639.6	641.4	639.6	645.2	645.4	649.9	655.2	662.5	669.5
25°	609.6	606.1	603.5	604.8	603.5	606.1	609.6	610.1	616.2	621.0	625.4
27.5°	575.7	573.8	573.6	570.0	573.6	573.8	575.7	576.9	580.3	583.2	587.3
30°	556.0	551.6	552.5	550.3	552.5	551.6	556.0	556.5	558.2	560.0	564.8
32.5°	533.5	531.9	531.1	529.2	531.1	531.9	533.5	534.3	537.8	539.6	543.4
35°	502.8	503.3	501.1	502.0	501.1	503.3	502.8	503.7	504.1	505.9	509.4
37.5°	476.0	477.4	476.4	476.6	476.4	477.4	476.0	476.5	476.9	477.2	478.2
40°	458.4	458.4	458.4	459.8	458.4	458.4	458.4	457.1	457.5	457.1	457.1
42.5°	441.5	440.8	440.1	440.1	440.1	440.8	441.5	438.5	440.0	438.5	437.7
45°	412.7	414.1	414.5	412.2	414.5	414.1	412.7	411.8	410.5	410.1	409.7
47.5°	386.6	386.8	386.6	388.6	386.6	386.8	386.6	385.5	383.4	382.6	380.6
50°	368.3	367.5	368.3	367.5	368.3	367.5	368.3	366.1	364.8	362.6	360.8
52.5°	349.0	349.1	348.6	348.4	348.6	349.1	349.0	346.1	345.4	344.7	341.9
55°	318.7	319.5	319.1	319.1	319.1	319.5	318.7	316.9	316.4	313.8	311.2
57.5°	287.3	288.1	288.7	286.7	288.7	288.1	287.3	287.0	286.7	284.0	281.1
60°	265.4	267.7	267.3	266.4	267.3	267.7	265.4	265.9	264.6	262.9	261.1
62.5°	245.5	246.2	246.2	246.0	246.2	246.2	245.5	243.4	242.8	241.0	239.3
65°	214.5	215.3	214.0	215.3	214.0	215.3	214.5	213.2	210.1	209.2	207.4
67.5°	181.2	181.4	182.4	183.0	182.4	181.4	181.2	181.7	179.7	178.0	177.6
70°	160.4	160.0	161.3	162.6	161.3	160.0	160.4	159.5	158.3	156.9	155.2
72.5°	138.6	139.6	139.1	140.1	139.1	139.6	138.6	138.8	137.5	135.8	134.1
75°	106.8	108.1	107.7	109.0	107.7	108.1	106.8	107.7	106.8	105.0	103.3
77.5°	77.1	77.3	77.1	77.9	77.1	77.3	77.1	77.9	76.9	77.5	75.5
80°	58.9	58.0	57.2	58.9	57.2	58.0	58.9	58.9	57.6	58.9	57.6
82.5°	41.0	41.5	40.6	40.6	40.6	41.5	41.0	42.0	41.4	42.0	40.7
85°	18.9	18.4	17.6	17.6	17.6	18.4	18.9	18.9	20.2	19.4	19.4
87.5°	9.3	9.0	9.0	8.8	9.0	9.0	9.3	9.3	9.3	10.1	10.2
90°	29.1	29.3	29.4	29.6	29.4	29.3	29.1	28.8	28.9	29.4	29.7
92.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.1	28.1	28.0	27.9
95°	55.2	54.8	54.4	54.1	54.4	54.8	55.2	55.6	55.8	55.8	55.8
97.5°	93.8	93.8	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
100°	120.0	119.9	119.7	119.5	119.7	119.9	120.0	120.3	120.4	120.4	120.4
102.5°	149.4	149.1	149.0	148.8	149.0	149.1	149.4	149.6	149.6	149.4	149.3
105°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.4	193.0	192.6
107.5°	238.5	237.5	236.7	235.8	236.7	237.5	238.5	239.4	239.7	239.6	239.4
110°	270.4	269.8	269.1	268.6	269.1	269.8	270.4	271.0	271.2	271.2	271.2



TEST NUMBER: P331538-935

CATALOG NUMBER: S122DIW-S675D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	301.3	300.8	300.4	300.0	300.4	300.8	301.3	301.7	302.1	302.6	303.1
115°	350.6	350.0	349.4	348.8	349.4	350.0	350.6	351.1	351.5	351.7	351.9
117.5°	397.2	396.6	396.0	395.4	396.0	396.6	397.2	397.7	398.2	398.7	399.2
120°	429.9	429.4	428.8	428.2	428.8	429.4	429.9	430.5	430.8	430.8	430.8
122.5°	461.6	461.2	460.7	460.3	460.7	461.2	461.6	462.0	462.4	462.9	463.4
125°	509.9	509.7	509.5	509.3	509.5	509.7	509.9	510.1	510.5	511.0	511.6
127.5°	555.8	555.2	554.6	554.0	554.6	555.2	555.8	556.4	557.1	557.8	558.4
130°	588.3	587.5	586.8	586.0	586.8	587.5	588.3	589.1	589.7	590.1	590.5
132.5°	618.6	617.9	617.3	616.7	617.3	617.9	618.6	619.2	619.9	620.8	621.6
135°	666.2	665.6	665.1	664.5	665.1	665.6	666.2	666.8	667.2	667.4	667.6
137.5°	710.1	709.3	708.5	707.7	708.5	709.3	710.1	710.8	711.4	711.5	711.6
140°	740.1	739.3	738.6	737.8	738.6	739.3	740.1	740.9	741.2	741.2	741.2
142.5°	767.3	766.5	765.8	765.0	765.8	766.5	767.3	768.1	768.4	768.3	768.1
145°	808.1	807.4	806.6	805.8	806.6	807.4	808.1	808.9	809.2	809.0	808.8
147.5°	844.5	843.7	843.0	842.2	843.0	843.7	844.5	845.2	845.3	844.9	844.5
150°	867.7	867.1	866.5	866.0	866.5	867.1	867.7	868.3	868.3	867.7	867.1
152.5°	890.5	889.8	889.0	888.3	889.0	889.8	890.5	891.2	891.2	890.5	889.8
155°	920.1	919.5	918.9	918.3	918.9	919.5	920.1	920.6	920.4	919.5	918.5
157.5°	946.9	946.0	945.0	944.1	945.0	946.0	946.9	947.8	947.6	946.3	945.0
160°	962.5	961.7	961.0	960.2	961.0	961.7	962.5	963.3	963.0	961.9	960.7
162.5°	976.9	975.9	975.0	974.1	975.0	975.9	976.9	977.8	977.7	976.3	975.0
165°	995.3	994.4	993.4	992.4	993.4	994.4	995.3	996.3	996.1	994.7	993.4
167.5°	1010.5	1009.4	1008.4	1007.5	1008.4	1009.4	1010.5	1011.4	1011.2	1010.0	1008.6
170°	1018.6	1017.4	1016.2	1015.1	1016.2	1017.4	1018.6	1019.8	1019.7	1018.3	1016.9
172.5°	1024.8	1023.7	1022.5	1021.4	1022.5	1023.7	1024.8	1026.1	1025.9	1024.6	1023.2
175°	1031.7	1030.5	1029.3	1028.2	1029.3	1030.5	1031.7	1032.9	1032.7	1031.4	1030.0
177.5°	1034.1	1033.2	1032.3	1031.3	1032.3	1033.2	1034.1	1035.0	1035.0	1034.1	1033.2
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331538-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1099.0	1102.9	1108.8	1115.2	1119.0	1126.4	1128.5	1132.0	1135.2	1142.6	1150.3
5°	1035.5	1041.6	1056.2	1064.1	1075.0	1087.8	1096.1	1105.0	1114.7	1131.4	1146.7
7.5°	967.5	977.8	995.7	1010.6	1026.2	1044.5	1057.7	1075.0	1089.5	1113.0	1135.6
10°	922.1	936.6	952.9	970.4	992.5	1011.8	1030.3	1052.2	1069.8	1097.9	1124.3
12.5°	881.3	883.6	906.8	926.2	956.2	980.2	1001.4	1029.8	1047.0	1080.4	1108.1
15°	810.0	823.2	844.3	859.7	895.4	925.7	955.5	985.0	1004.8	1046.0	1082.5
17.5°	750.0	762.2	783.8	809.0	834.6	864.7	903.4	934.4	961.3	1008.6	1051.7
20°	712.0	726.9	749.0	774.9	797.3	830.3	863.7	899.2	928.2	981.5	1032.0
22.5°	679.7	691.5	709.2	734.8	759.3	789.5	826.0	864.8	895.3	952.6	1003.8
25°	634.2	643.9	655.3	676.4	704.1	737.1	765.7	808.3	852.6	906.3	968.3
27.5°	593.2	600.1	610.3	628.8	650.2	681.1	712.8	753.3	797.9	856.1	921.5
30°	568.3	572.7	582.8	598.2	619.3	643.4	675.5	714.2	759.9	818.8	883.9
32.5°	546.5	550.5	557.2	571.8	590.1	610.8	639.7	678.4	721.9	779.8	851.9
35°	513.8	516.9	522.6	534.4	544.6	564.8	588.9	624.1	665.0	720.4	795.1
37.5°	481.2	485.4	489.0	494.0	507.0	520.2	541.2	570.9	611.1	666.9	738.1
40°	459.8	463.2	468.6	470.7	481.3	493.2	510.3	537.5	578.0	629.0	698.4
42.5°	437.9	441.4	444.6	447.2	456.3	466.7	482.2	505.6	541.4	591.0	659.7
45°	408.3	408.7	411.8	416.6	421.0	428.5	439.5	459.8	487.4	534.0	596.4
47.5°	378.2	378.8	379.3	381.4	386.2	393.0	400.3	416.7	441.5	478.7	539.5
50°	358.2	357.3	358.2	360.0	363.1	368.8	377.1	389.0	409.2	443.9	499.7
52.5°	338.9	338.7	338.2	338.9	341.2	345.2	351.1	361.2	379.3	411.2	460.4
55°	309.4	307.2	307.6	305.9	309.9	310.7	315.1	323.5	339.3	361.3	407.4
57.5°	278.0	276.2	274.2	273.7	273.4	275.8	279.3	285.9	298.0	317.3	354.7
60°	258.0	255.8	253.1	252.3	252.3	253.6	255.4	260.2	271.6	288.8	319.5
62.5°	237.6	235.1	233.5	231.2	230.5	231.8	233.6	237.0	245.2	261.3	287.9
65°	206.1	203.0	200.9	200.4	199.6	198.2	199.1	202.6	209.2	222.0	243.1
67.5°	174.6	171.7	171.2	168.6	167.4	167.6	167.4	170.4	174.4	185.3	201.0
70°	153.9	151.6	150.8	148.5	147.7	146.8	145.9	148.5	152.5	161.8	175.4
72.5°	132.8	130.9	129.0	127.1	127.3	126.4	126.2	127.8	131.0	139.6	150.1
75°	102.4	102.9	100.7	98.4	98.0	97.1	97.1	98.4	99.8	106.3	114.7
77.5°	74.3	74.0	72.1	71.4	70.9	70.0	70.9	71.8	72.5	76.9	83.1
80°	56.7	56.7	54.5	54.5	54.1	52.8	54.1	53.2	54.9	59.3	63.7
82.5°	40.6	39.8	39.7	39.0	38.9	38.0	38.6	39.4	40.2	43.1	45.8
85°	19.8	19.8	19.4	18.9	19.4	18.9	19.4	19.8	20.2	21.5	23.8
87.5°	10.2	10.7	10.2	9.6	8.8	8.4	8.0	7.9	8.2	8.0	7.9
90°	30.1	30.5	26.3	22.0	17.7	13.4	10.2	7.8	5.5	3.2	0.9
92.5°	27.8	27.7	26.7	25.7	24.7	23.7	22.4	20.7	18.9	17.2	15.5
95°	55.8	55.8	55.4	55.0	54.7	54.2	53.1	51.1	49.2	47.3	45.4
97.5°	93.8	93.8	93.1	92.4	91.6	90.9	89.6	88.0	86.3	84.6	82.8
100°	120.4	120.4	119.8	119.2	118.6	118.0	116.9	115.4	113.8	112.3	110.7
102.5°	149.1	149.0	148.2	147.5	146.7	146.0	145.0	143.8	142.5	141.3	140.1
105°	192.3	191.8	191.5	191.1	190.7	190.3	189.9	189.2	188.6	188.0	187.5
107.5°	239.3	239.1	239.1	239.1	239.1	239.1	238.7	237.8	236.9	236.2	235.3
110°	271.2	271.2	271.2	271.2	271.2	271.2	270.6	269.5	268.3	267.2	266.0



TEST NUMBER: P331538-935

CATALOG NUMBER: S122DIW-S675D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	303.5	304.0	304.2	304.3	304.4	304.6	304.1	303.0	301.8	300.7	299.5
115°	352.1	352.3	352.7	353.1	353.4	353.9	353.4	352.3	351.1	350.0	348.8
117.5°	399.7	400.1	401.2	402.3	403.4	404.4	404.2	402.7	401.1	399.6	398.0
120°	430.8	430.8	432.4	433.9	435.5	437.0	437.0	435.5	433.9	432.4	430.8
122.5°	463.8	464.3	465.4	466.5	467.5	468.6	468.2	466.4	464.5	462.7	460.8
125°	512.2	512.8	513.3	513.9	514.5	515.1	514.5	512.8	511.0	509.3	507.6
127.5°	559.1	559.9	560.6	561.3	562.0	562.7	561.9	559.7	557.5	555.3	553.1
130°	590.9	591.2	591.7	592.0	592.5	592.8	591.8	589.3	586.7	584.2	581.7
132.5°	622.5	623.4	623.3	623.2	623.1	623.0	622.0	619.9	617.9	615.8	613.7
135°	667.8	668.0	667.6	667.2	666.8	666.4	665.2	663.1	660.9	658.8	656.7
137.5°	711.8	712.0	711.4	710.9	710.4	710.0	708.8	707.1	705.3	703.6	701.8
140°	741.2	741.2	740.3	739.3	738.4	737.4	736.0	734.3	732.5	730.8	729.0
142.5°	767.9	767.8	767.2	766.5	765.8	765.2	764.0	762.2	760.4	758.7	757.0
145°	808.6	808.4	807.3	806.1	804.9	803.7	802.5	801.2	799.8	798.4	797.0
147.5°	844.0	843.6	842.8	842.1	841.3	840.5	839.3	837.7	836.1	834.5	832.8
150°	866.5	866.0	865.2	864.4	863.7	862.9	861.9	860.7	859.5	858.4	857.2
152.5°	889.0	888.3	887.3	886.4	885.5	884.6	883.6	882.4	881.2	880.0	878.9
155°	917.5	916.5	915.9	915.4	914.8	914.2	913.6	913.1	912.5	911.9	911.3
157.5°	943.7	942.4	942.0	941.7	941.3	941.0	940.6	940.2	939.8	939.4	939.0
160°	959.6	958.4	958.2	958.0	957.9	957.6	957.3	956.9	956.6	956.1	955.8
162.5°	973.7	972.3	972.2	972.0	971.8	971.6	971.5	971.4	971.3	971.2	971.1
165°	992.0	990.7	990.7	990.7	990.7	990.7	990.8	990.9	991.2	991.4	991.5
167.5°	1007.2	1005.8	1005.9	1005.9	1006.0	1006.0	1006.3	1006.9	1007.5	1008.1	1008.7
170°	1015.5	1014.3	1014.4	1014.6	1014.8	1015.0	1015.4	1016.0	1016.6	1017.1	1017.7
172.5°	1021.8	1020.5	1020.7	1020.9	1021.1	1021.2	1021.7	1022.3	1022.8	1023.4	1024.0
175°	1028.6	1027.3	1027.7	1028.0	1028.5	1028.8	1029.3	1029.9	1030.5	1031.0	1031.7
177.5°	1032.3	1031.3	1031.7	1031.9	1032.3	1032.5	1032.9	1033.4	1033.9	1034.3	1034.8
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



TEST NUMBER: P331538-935

CATALOG NUMBER: S122DIW-S675D970U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1149.6	1151.4	1157.0	1162.6	1169.0	1170.7	1173.5	1171.0	1170.4	1177.1	1182.0
5°	1152.9	1160.8	1176.2	1190.2	1202.1	1210.5	1219.3	1222.8	1229.3	1238.5	1250.0
7.5°	1149.2	1164.6	1188.8	1209.2	1231.6	1247.7	1260.2	1270.9	1283.9	1301.4	1320.5
10°	1145.0	1165.6	1195.1	1220.1	1247.3	1268.0	1285.2	1301.8	1321.2	1345.4	1370.5
12.5°	1137.2	1161.7	1198.6	1228.2	1263.2	1283.5	1306.7	1342.6	1363.4	1397.1	1432.4
15°	1121.7	1148.9	1200.3	1236.8	1276.3	1315.1	1357.7	1392.0	1426.2	1446.0	1495.7
17.5°	1098.5	1138.6	1195.5	1238.0	1288.3	1349.3	1397.1	1436.0	1475.6	1507.7	1532.6
20°	1080.0	1123.4	1188.4	1239.5	1299.2	1364.7	1419.7	1459.2	1493.5	1520.4	1535.7
22.5°	1056.4	1111.1	1174.4	1234.2	1310.5	1375.3	1433.0	1464.1	1492.8	1505.9	1511.8
25°	1019.3	1085.2	1156.8	1229.8	1316.0	1384.5	1437.3	1456.1	1464.5	1451.7	1430.6
27.5°	979.3	1052.7	1136.5	1221.5	1312.6	1378.5	1416.3	1413.3	1399.2	1358.0	1325.0
30°	949.3	1030.3	1120.3	1213.1	1304.5	1368.6	1390.7	1368.6	1336.6	1290.5	1243.5
32.5°	918.1	1001.8	1103.1	1201.1	1289.8	1346.2	1350.9	1313.1	1263.4	1211.0	1152.4
35°	870.7	961.2	1070.7	1174.4	1258.4	1294.0	1272.9	1206.1	1147.2	1075.6	995.5
37.5°	817.2	917.1	1026.9	1135.3	1211.3	1220.6	1168.3	1097.9	1014.9	930.7	836.5
40°	777.1	883.0	996.0	1105.4	1172.7	1163.0	1096.1	1018.8	919.9	817.1	729.6
42.5°	741.2	847.1	962.2	1069.5	1123.4	1096.9	1018.8	923.9	817.6	720.7	640.7
45°	679.1	788.1	905.9	1009.6	1040.3	992.5	889.2	783.7	679.1	598.2	534.9
47.5°	618.8	726.5	843.2	934.4	945.2	880.8	767.9	659.4	569.5	503.6	458.9
50°	574.5	682.6	798.1	879.5	876.0	798.1	682.2	578.9	503.7	450.5	420.6
52.5°	534.8	636.9	747.9	821.8	803.2	718.3	607.6	515.9	454.1	412.5	385.5
55°	472.9	567.4	672.9	732.3	697.9	603.9	510.3	436.4	390.7	359.6	338.5
57.5°	411.6	500.2	590.5	627.1	589.2	502.3	424.2	370.7	336.3	313.2	299.5
60°	373.6	451.0	531.4	563.0	517.7	440.4	378.8	331.0	303.2	284.4	272.1
62.5°	335.6	404.9	480.8	498.0	456.6	391.2	336.7	296.9	274.1	257.3	245.7
65°	284.0	340.6	398.2	409.7	371.4	320.9	277.8	251.8	231.6	219.3	210.1
67.5°	232.9	278.4	319.2	328.4	294.9	259.8	228.8	206.1	192.4	182.2	174.4
70°	202.6	238.7	272.1	279.6	252.7	221.5	197.8	179.8	167.5	158.7	151.2
72.5°	170.7	200.7	228.4	233.5	211.5	187.8	168.2	154.1	143.2	137.6	130.4
75°	130.5	148.1	169.6	171.0	156.4	142.0	127.0	117.8	112.1	105.0	101.5
77.5°	92.1	105.9	118.2	120.6	112.0	102.1	93.8	86.5	81.6	78.4	75.2
80°	70.3	81.3	86.6	89.6	83.5	76.5	71.6	66.8	63.7	61.6	59.3
82.5°	50.3	57.1	62.0	64.3	61.0	56.8	51.9	49.2	46.8	45.0	44.3
85°	25.5	28.6	31.7	32.5	31.7	29.9	27.2	27.2	25.9	25.5	25.5
87.5°	9.5	11.3	11.8	13.3	13.3	14.1	15.0	15.4	15.9	15.5	15.1
90°	3.2	5.5	7.8	10.2	13.4	17.7	22.0	26.3	30.5	30.1	29.7
92.5°	17.2	18.9	20.7	22.4	23.7	24.7	25.7	26.7	27.7	27.8	27.9
95°	47.3	49.2	51.1	53.1	54.2	54.7	55.0	55.4	55.8	55.8	55.8
97.5°	84.6	86.3	88.0	89.6	90.9	91.6	92.4	93.1	93.8	93.8	93.8
100°	112.3	113.8	115.4	116.9	118.0	118.6	119.2	119.8	120.4	120.4	120.4
102.5°	141.3	142.5	143.8	145.0	146.0	146.7	147.5	148.2	149.0	149.1	149.3
105°	188.0	188.6	189.2	189.9	190.3	190.7	191.1	191.5	191.8	192.3	192.6
107.5°	236.2	236.9	237.8	238.7	239.1	239.1	239.1	239.1	239.1	239.3	239.4
110°	267.2	268.3	269.5	270.6	271.2	271.2	271.2	271.2	271.2	271.2	271.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.7	301.8	303.0	304.1	304.6	304.4	304.3	304.2	304.0	303.5	303.1
115°	350.0	351.1	352.3	353.4	353.9	353.4	353.1	352.7	352.3	352.1	351.9
117.5°	399.6	401.1	402.7	404.2	404.4	403.4	402.3	401.2	400.1	399.7	399.2
120°	432.4	433.9	435.5	437.0	437.0	435.5	433.9	432.4	430.8	430.8	430.8
122.5°	462.7	464.5	466.4	468.2	468.6	467.5	466.5	465.4	464.3	463.8	463.4
125°	509.3	511.0	512.8	514.5	515.1	514.5	513.9	513.3	512.8	512.2	511.6
127.5°	555.3	557.5	559.7	561.9	562.7	562.0	561.3	560.6	559.9	559.1	558.4
130°	584.2	586.7	589.3	591.8	592.8	592.5	592.0	591.7	591.2	590.9	590.5
132.5°	615.8	617.9	619.9	622.0	623.0	623.1	623.2	623.3	623.4	622.5	621.6
135°	658.8	660.9	663.1	665.2	666.4	666.8	667.2	667.6	668.0	667.8	667.6
137.5°	703.6	705.3	707.1	708.8	710.0	710.4	710.9	711.4	712.0	711.8	711.6
140°	730.8	732.5	734.3	736.0	737.4	738.4	739.3	740.3	741.2	741.2	741.2
142.5°	758.7	760.4	762.2	764.0	765.2	765.8	766.5	767.2	767.8	767.9	768.1
145°	798.4	799.8	801.2	802.5	803.7	804.9	806.1	807.3	808.4	808.6	808.8
147.5°	834.5	836.1	837.7	839.3	840.5	841.3	842.1	842.8	843.6	844.0	844.5
150°	858.4	859.5	860.7	861.9	862.9	863.7	864.4	865.2	866.0	866.5	867.1
152.5°	880.0	881.2	882.4	883.6	884.6	885.5	886.4	887.3	888.3	889.0	889.8
155°	911.9	912.5	913.1	913.6	914.2	914.8	915.4	915.9	916.5	917.5	918.5
157.5°	939.4	939.8	940.2	940.6	941.0	941.3	941.7	942.0	942.4	943.7	945.0
160°	956.1	956.6	956.9	957.3	957.6	957.9	958.0	958.2	958.4	959.6	960.7
162.5°	971.2	971.3	971.4	971.5	971.6	971.8	972.0	972.2	972.3	973.7	975.0
165°	991.4	991.2	990.9	990.8	990.7	990.7	990.7	990.7	990.7	992.0	993.4
167.5°	1008.1	1007.5	1006.9	1006.3	1006.0	1006.0	1005.9	1005.9	1005.8	1007.2	1008.6
170°	1017.1	1016.6	1016.0	1015.4	1015.0	1014.8	1014.6	1014.4	1014.3	1015.5	1016.9
172.5°	1023.4	1022.8	1022.3	1021.7	1021.2	1021.1	1020.9	1020.7	1020.5	1021.8	1023.2
175°	1031.0	1030.5	1029.9	1029.3	1028.8	1028.5	1028.0	1027.7	1027.3	1028.6	1030.0
177.5°	1034.3	1033.9	1033.4	1032.9	1032.5	1032.3	1031.9	1031.7	1031.3	1032.3	1033.2
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1186.2	1191.1	1191.1	1191.8	1197.5	1196.7	1196.4
5°	1262.3	1269.8	1270.7	1278.6	1283.8	1282.1	1277.3
7.5°	1334.1	1348.1	1358.6	1364.4	1371.4	1375.7	1373.8
10°	1391.1	1411.4	1423.7	1432.0	1442.1	1449.6	1446.9
12.5°	1442.8	1466.9	1483.8	1498.1	1499.4	1509.0	1502.4
15°	1523.4	1548.9	1551.5	1562.1	1570.5	1569.5	1569.9
17.5°	1550.1	1558.2	1559.9	1560.1	1560.2	1557.1	1550.5
20°	1540.5	1537.5	1530.0	1524.3	1514.2	1512.9	1504.1
22.5°	1495.6	1485.7	1467.1	1454.7	1438.9	1434.8	1432.4
25°	1407.0	1385.3	1355.5	1326.9	1319.1	1303.6	1308.0
27.5°	1285.4	1251.8	1219.4	1196.2	1175.2	1152.2	1158.7
30°	1199.9	1162.1	1116.4	1081.2	1058.9	1036.8	1032.9
32.5°	1097.9	1042.6	991.5	960.6	926.3	912.4	897.2
35°	922.1	868.1	817.5	774.0	749.0	729.6	712.0
37.5°	764.0	701.7	661.0	625.7	607.6	596.5	599.3
40°	665.9	611.4	581.5	554.7	538.0	530.0	531.8
42.5°	586.4	545.6	521.0	502.7	490.9	486.5	485.4
45°	496.2	473.4	453.1	442.6	436.9	432.0	429.0
47.5°	434.7	416.0	404.7	398.4	393.4	388.5	388.4
50°	397.8	385.5	377.5	370.9	367.0	363.5	366.5
52.5°	369.6	358.3	350.5	344.6	343.1	339.9	339.8
55°	327.9	319.1	313.4	308.1	305.5	303.7	301.5
57.5°	289.9	281.5	276.3	272.9	267.9	266.1	265.4
60°	262.9	256.2	251.0	246.6	244.4	240.8	240.8
62.5°	237.9	231.3	226.4	223.0	219.4	218.0	218.3
65°	201.7	196.5	191.7	188.1	187.3	184.6	185.5
67.5°	168.5	165.0	159.9	158.0	156.3	154.9	153.9
70°	146.4	142.8	140.2	137.6	136.2	136.2	136.2
72.5°	127.7	123.5	121.9	118.6	119.3	118.0	116.6
75°	98.9	96.3	95.0	93.6	91.4	91.4	91.4
77.5°	72.8	72.0	70.4	69.0	68.4	68.0	68.2
80°	56.2	55.8	54.9	54.9	54.1	53.6	52.8
82.5°	43.2	42.1	41.6	41.2	41.1	41.0	40.8
85°	24.6	23.8	23.8	24.2	23.3	23.3	23.8
87.5°	15.3	15.3	14.9	15.0	15.3	15.1	15.1
90°	29.4	28.9	28.8	29.1	29.3	29.4	29.6
92.5°	28.0	28.1	28.1	28.2	28.2	28.2	28.2
95°	55.8	55.8	55.6	55.2	54.8	54.4	54.1
97.5°	93.8	93.8	93.8	93.8	93.8	93.7	93.7
100°	120.4	120.4	120.3	120.0	119.9	119.7	119.5
102.5°	149.4	149.6	149.6	149.4	149.1	149.0	148.8
105°	193.0	193.4	193.6	193.6	193.6	193.6	193.6
107.5°	239.6	239.7	239.4	238.5	237.5	236.7	235.8
110°	271.2	271.2	271.0	270.4	269.8	269.1	268.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	302.6	302.1	301.7	301.3	300.8	300.4	300.0
115°	351.7	351.5	351.1	350.6	350.0	349.4	348.8
117.5°	398.7	398.2	397.7	397.2	396.6	396.0	395.4
120°	430.8	430.8	430.5	429.9	429.4	428.8	428.2
122.5°	462.9	462.4	462.0	461.6	461.2	460.7	460.3
125°	511.0	510.5	510.1	509.9	509.7	509.5	509.3
127.5°	557.8	557.1	556.4	555.8	555.2	554.6	554.0
130°	590.1	589.7	589.1	588.3	587.5	586.8	586.0
132.5°	620.8	619.9	619.2	618.6	617.9	617.3	616.7
135°	667.4	667.2	666.8	666.2	665.6	665.1	664.5
137.5°	711.5	711.4	710.8	710.1	709.3	708.5	707.7
140°	741.2	741.2	740.9	740.1	739.3	738.6	737.8
142.5°	768.3	768.4	768.1	767.3	766.5	765.8	765.0
145°	809.0	809.2	808.9	808.1	807.4	806.6	805.8
147.5°	844.9	845.3	845.2	844.5	843.7	843.0	842.2
150°	867.7	868.3	868.3	867.7	867.1	866.5	866.0
152.5°	890.5	891.2	891.2	890.5	889.8	889.0	888.3
155°	919.5	920.4	920.6	920.1	919.5	918.9	918.3
157.5°	946.3	947.6	947.8	946.9	946.0	945.0	944.1
160°	961.9	963.0	963.3	962.5	961.7	961.0	960.2
162.5°	976.3	977.7	977.8	976.9	975.9	975.0	974.1
165°	994.7	996.1	996.3	995.3	994.4	993.4	992.4
167.5°	1010.0	1011.2	1011.4	1010.5	1009.4	1008.4	1007.5
170°	1018.3	1019.7	1019.8	1018.6	1017.4	1016.2	1015.1
172.5°	1024.6	1025.9	1026.1	1024.8	1023.7	1022.5	1021.4
175°	1031.4	1032.7	1032.9	1031.7	1030.5	1029.3	1028.2
177.5°	1034.1	1035.0	1035.0	1034.1	1033.2	1032.3	1031.3
180°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4

(END OF REPORT)