

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: P331818-927

Luminaire Tested: **S122RDIW-S675D1240U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331818-927
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: S122RDIW-S675D1240U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5419.7 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

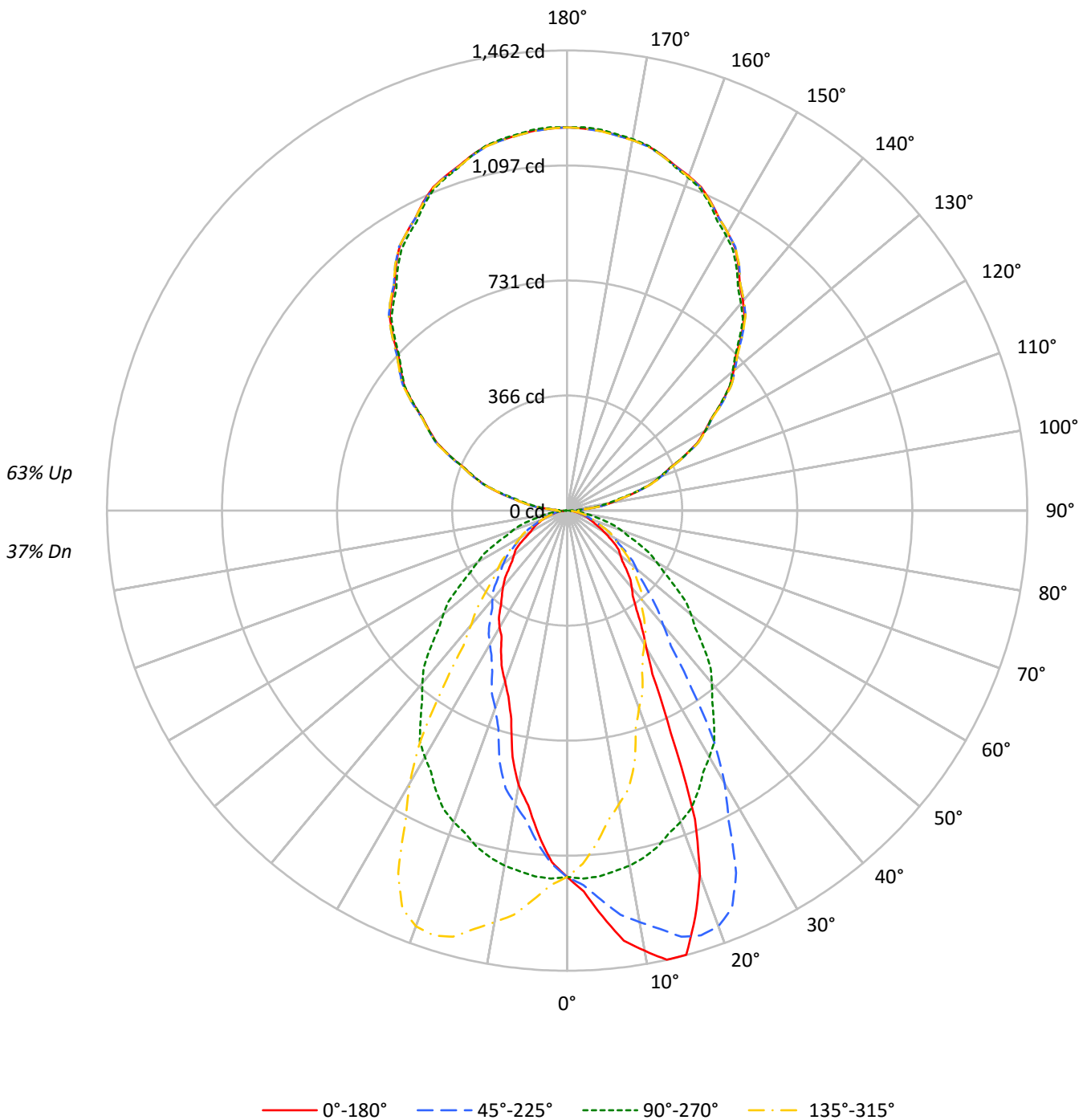
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37				
1	95	91	88	85	86	83	80	77	68	65	64	53	52	51	40	39	38	32				
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28				
3	80	71	64	59	73	65	59	55	53	49	46	43	40	37	32	31	29	25				
4	74	63	56	50	67	58	52	47	48	43	40	38	35	32	29	27	26	22				
5	68	57	49	44	61	52	45	41	43	38	34	35	31	29	27	25	23	19				
6	63	51	44	38	57	47	40	36	39	34	30	32	28	25	25	22	20	17				
7	58	46	39	34	53	43	36	31	36	31	27	29	25	23	23	20	18	16				
8	54	42	35	30	49	39	32	28	33	28	24	27	23	20	21	19	17	14				
9	50	39	32	27	46	36	29	25	30	25	22	25	21	19	20	17	15	13				
10	47	36	29	24	43	33	27	23	28	23	20	23	19	17	18	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18791	18791	18791	18791
5°	20985	18908	16765	18908
10°	23282	18775	14532	18775
15°	24428	18501	11450	18501
20°	21179	18093	9907	18093
25°	13890	17533	8845	17533
30°	9350	16858	8006	16858
35°	7571	16005	7222	16005
40°	6734	15076	6681	15076
45°	6094	13988	5966	13988
50°	5546	12911	5526	12911
55°	5213	11713	5146	11713
60°	4363	10618	4308	10618
65°	3679	9639	4172	9639
70°	3399	8611	3932	8611
75°	3175	7492	3631	7492
80°	2929	6165	3236	6165
85°	2705	4872	2853	4872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	2.0
10°-20°	307.4	5.7
20°-30°	396.1	7.3
30°-40°	376.4	6.9
40°-50°	322.5	6.0
50°-60°	245.6	4.5
60°-70°	155.2	2.9
70°-80°	77.5	1.4
80°-90°	25.0	0.5
90°-100°	77.1	1.4
100°-110°	239.6	4.4
110°-120°	409.5	7.6
120°-130°	538.5	9.9
130°-140°	604.4	11.2
140°-150°	592.6	10.9
150°-160°	497.0	9.2
160°-170°	329.7	6.1
170°-180°	115.2	2.1
0°-30°	813.8	15.0
0°-40°	1190.3	22.0
0°-60°	1758.3	32.4
0°-90°	2016.1	37.2
90°-120°	726.2	13.4
90°-150°	2461.6	45.4
90°-180°	3404.0	62.8
0°-180°	5419.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1164	1164	1164	1164	1164	
5°	1295	1167	1034	1167	1295	128
15°	1461	1107	685	1107	1461	394
25°	780	984	496	984	780	370
35°	384	812	366	812	384	246
45°	267	613	261	613	267	207
55°	185	416	183	416	185	163
65°	96	252	109	252	96	98
75°	51	120	58	120	51	54
85°	15	26	15	26	15	17
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°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1211.0	1212.0	1213.0	1210.7	1210.7	1208.7	1204.5	1201.3	1192.2	1191.0	1191.0
5°	1294.8	1294.0	1295.6	1290.4	1283.1	1281.4	1273.7	1263.7	1253.2	1241.4	1239.0
7.5°	1378.1	1376.9	1373.6	1372.8	1367.1	1354.9	1342.6	1329.4	1311.9	1294.9	1286.3
10°	1420.1	1433.5	1425.4	1411.3	1414.1	1395.1	1385.0	1367.6	1353.0	1327.5	1321.9
12.5°	1461.6	1466.8	1464.3	1456.2	1452.5	1439.4	1425.8	1410.6	1383.8	1360.9	1341.0
15°	1461.4	1469.1	1471.1	1468.7	1470.7	1469.9	1462.6	1450.1	1426.6	1401.5	1379.7
17.5°	1353.5	1358.8	1372.1	1381.1	1392.4	1416.3	1428.1	1432.7	1429.3	1415.0	1399.6
20°	1232.6	1223.6	1260.8	1279.8	1296.0	1336.4	1371.2	1384.6	1406.0	1405.6	1401.5
22.5°	1061.0	1063.2	1098.4	1121.0	1168.2	1208.6	1248.3	1298.5	1340.0	1367.4	1383.5
25°	779.7	795.0	830.2	860.9	913.5	988.7	1057.0	1136.3	1211.1	1270.1	1326.4
27.5°	585.5	586.7	614.6	642.9	674.1	735.8	821.8	916.5	1023.1	1111.1	1212.4
30°	501.5	499.0	510.7	528.1	554.8	602.5	667.2	760.3	866.6	999.2	1117.3
32.5°	441.9	442.0	450.9	463.7	485.9	518.1	562.4	637.9	738.5	868.9	1007.3
35°	384.1	383.7	390.2	399.5	408.8	429.4	459.8	499.4	568.5	690.2	831.8
37.5°	342.8	344.5	347.7	353.5	363.8	375.3	393.5	420.1	469.3	541.3	660.3
40°	319.5	320.3	324.7	329.5	335.6	344.5	359.5	380.9	416.9	474.4	561.3
42.5°	298.1	298.9	302.1	306.6	311.3	320.3	332.6	351.2	380.3	425.2	496.9
45°	266.9	266.9	269.7	271.7	277.0	285.1	295.2	310.5	330.8	363.9	411.6
47.5°	237.6	237.7	239.6	243.0	246.4	252.6	262.6	275.1	289.9	315.5	356.2
50°	220.8	221.2	222.4	225.2	227.3	232.9	240.6	251.5	266.9	286.7	320.7
52.5°	207.2	206.9	208.5	209.7	211.1	215.2	220.9	230.5	244.2	261.5	289.6
55°	185.2	183.5	186.0	188.1	189.3	190.8	194.1	200.2	211.9	226.5	247.5
57.5°	157.7	157.1	158.8	160.7	164.5	168.8	171.5	175.4	181.5	191.9	212.8
60°	135.1	135.1	138.7	139.9	144.3	150.0	155.7	158.9	165.0	171.8	187.2
62.5°	115.0	115.3	117.0	118.3	120.7	127.7	135.6	142.8	148.5	155.0	165.2
65°	96.3	97.0	97.0	97.8	99.5	101.1	104.3	110.0	120.1	129.4	137.0
67.5°	81.7	81.9	82.1	82.9	83.4	85.2	86.4	89.0	91.3	100.1	109.6
70°	72.0	73.2	72.8	73.6	74.0	74.8	76.4	77.6	81.3	83.3	89.0
72.5°	62.9	63.8	63.7	64.2	65.3	65.4	66.7	68.0	70.3	72.0	75.0
75°	50.9	50.5	50.9	51.7	52.1	52.6	52.6	54.2	55.4	57.0	59.0
77.5°	39.3	39.7	39.6	39.7	39.8	40.5	40.4	41.2	42.4	43.2	44.1
80°	31.5	31.9	31.5	31.9	32.3	32.7	32.3	32.7	34.0	34.8	34.8
82.5°	24.4	24.5	24.7	24.8	24.9	25.0	25.6	25.7	26.5	26.4	26.7
85°	14.6	14.2	14.2	14.2	14.6	15.0	14.6	14.6	15.0	15.0	15.0
87.5°	12.2	12.4	12.4	12.4	12.3	12.4	12.4	12.8	12.6	13.0	11.7
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°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1191.6	1189.0	1186.8	1180.9	1178.1	1171.6	1170.6	1170.3	1161.8	1153.7	1151.5
5°	1232.6	1226.1	1216.3	1205.0	1193.3	1181.1	1173.1	1166.6	1150.4	1135.0	1126.2
7.5°	1273.7	1259.9	1243.1	1221.7	1203.8	1183.8	1168.9	1155.6	1132.6	1110.6	1095.7
10°	1304.5	1281.8	1259.6	1230.1	1207.0	1184.4	1163.4	1145.2	1119.3	1090.2	1069.5
12.5°	1323.6	1298.7	1268.0	1239.1	1209.3	1180.5	1152.4	1129.0	1098.6	1068.5	1044.0
15°	1349.4	1322.7	1285.5	1244.3	1205.9	1168.2	1135.9	1106.8	1067.1	1031.2	1001.2
17.5°	1370.5	1333.8	1293.8	1246.1	1201.7	1153.8	1112.1	1075.0	1030.9	987.5	952.2
20°	1377.3	1340.9	1294.8	1247.1	1194.5	1138.3	1093.4	1053.0	1005.7	958.4	917.9
22.5°	1373.1	1344.8	1293.5	1236.4	1182.6	1123.7	1073.0	1026.1	973.7	925.3	878.5
25°	1344.6	1334.8	1286.3	1224.0	1162.6	1094.2	1035.6	984.2	924.4	872.7	821.7
27.5°	1277.9	1298.9	1268.8	1202.5	1134.2	1060.9	995.0	936.5	874.4	816.2	765.4
30°	1213.9	1262.0	1249.1	1187.6	1111.2	1039.3	965.3	904.2	837.9	778.0	727.9
32.5°	1126.2	1205.8	1218.4	1167.0	1087.9	1008.8	931.3	870.5	801.3	738.2	689.4
35°	986.7	1105.6	1160.2	1127.4	1048.1	962.8	882.7	812.0	742.4	680.2	631.6
37.5°	820.1	982.1	1073.0	1075.4	1002.6	913.9	826.7	756.5	685.2	624.1	571.6
40°	712.1	887.6	1006.1	1032.4	970.9	875.0	786.9	715.3	645.8	585.9	525.7
42.5°	615.1	789.9	935.6	981.3	932.4	837.2	748.8	673.9	606.3	549.7	488.1
45°	497.4	650.2	810.8	892.5	865.4	777.2	683.8	612.6	549.1	500.2	441.2
47.5°	419.5	527.3	682.6	793.1	792.7	712.2	620.3	552.2	493.3	447.4	399.6
50°	375.3	469.1	600.5	725.9	736.3	668.8	581.5	514.0	459.0	410.8	372.4
52.5°	335.5	412.8	530.9	651.1	681.0	622.6	537.8	475.5	422.1	377.9	344.9
55°	283.4	343.3	433.1	545.5	590.8	549.5	474.4	416.1	372.8	335.6	307.3
57.5°	239.8	284.7	356.7	447.3	499.9	474.0	411.9	364.6	327.6	294.0	271.6
60°	212.3	249.1	310.1	385.8	444.0	425.8	372.8	328.8	297.2	268.1	247.1
62.5°	186.4	218.0	270.4	331.8	385.2	377.6	334.3	297.4	269.7	243.2	225.4
65°	150.0	173.1	213.9	262.1	304.9	308.6	277.4	252.3	227.7	206.6	190.8
67.5°	119.5	134.5	163.3	203.8	235.9	247.4	228.4	209.2	189.6	173.4	159.7
70°	100.7	112.8	133.9	166.6	196.1	208.3	197.3	182.4	165.4	152.0	140.3
72.5°	81.6	93.4	108.9	132.9	158.3	171.3	167.5	156.9	143.1	132.0	120.9
75°	61.5	65.1	75.7	91.8	111.6	122.9	125.8	120.1	109.2	100.7	94.2
77.5°	45.5	47.6	52.7	61.2	74.1	84.2	88.3	87.7	80.2	75.2	69.2
80°	36.4	37.6	40.0	43.6	53.4	63.5	66.3	66.3	61.1	59.0	53.0
82.5°	27.6	28.5	30.0	32.0	36.5	45.4	48.6	49.2	45.9	43.2	38.4
85°	15.8	15.4	16.2	17.3	18.2	20.6	25.5	26.3	25.5	22.3	21.0
87.5°	10.7	10.0	9.0	7.9	7.7	7.4	8.6	9.6	8.9	8.4	8.3
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: P331818-927

CATALOG NUMBER: S122RDIW-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: P331818-927

CATALOG NUMBER: S122RDIW-S675D1240U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1147.3	1145.0	1140.8	1134.3	1130.4	1123.6	1119.1	1121.7	1122.4	1121.7	1121.1
5°	1116.5	1107.9	1096.2	1084.9	1074.4	1063.1	1056.6	1053.8	1048.1	1044.9	1043.3
7.5°	1079.2	1064.5	1048.0	1028.3	1011.5	994.0	985.0	980.5	968.9	962.7	957.1
10°	1051.4	1028.3	1011.8	985.9	970.1	947.1	931.3	931.7	915.9	907.0	900.6
12.5°	1020.6	995.3	967.7	944.4	922.5	904.0	885.0	877.3	860.5	852.0	834.6
15°	969.7	940.2	911.1	879.5	857.3	828.5	801.1	767.5	740.4	716.9	710.5
17.5°	914.0	877.5	848.3	811.3	773.2	724.8	693.0	673.5	657.2	644.8	635.6
20°	875.8	838.7	807.6	751.7	700.4	667.7	644.2	629.2	612.2	598.9	591.6
22.5°	835.8	796.9	754.5	692.2	652.2	625.9	605.0	587.8	576.3	565.9	559.3
25°	778.8	736.3	666.4	623.5	591.2	563.7	549.1	538.6	526.5	512.3	505.9
27.5°	718.7	651.1	600.9	569.0	538.1	520.2	507.2	491.5	480.6	474.3	467.5
30°	673.7	606.2	567.0	532.2	510.3	490.5	475.2	466.3	455.7	444.8	440.4
32.5°	623.5	569.6	532.0	503.0	480.9	464.0	451.9	437.4	429.8	423.1	413.8
35°	561.3	520.5	486.1	462.6	441.6	427.9	413.7	405.2	391.4	385.8	382.1
37.5°	508.5	473.1	447.5	422.7	406.1	390.9	382.2	368.7	362.7	354.9	347.2
40°	478.8	444.0	419.3	399.1	380.5	369.2	358.3	347.4	338.4	334.9	325.5
42.5°	448.4	420.1	395.4	373.2	360.8	348.8	335.0	327.0	317.7	311.9	306.1
45°	406.4	381.4	360.3	342.1	328.4	315.8	306.9	293.6	288.4	276.6	271.7
47.5°	369.6	346.2	326.1	308.9	295.4	287.2	274.3	263.8	255.4	248.2	242.0
50°	343.3	323.9	304.5	289.1	277.0	265.3	251.9	246.7	233.7	230.0	226.5
52.5°	319.4	301.0	283.1	268.1	256.0	244.5	232.8	225.9	217.2	213.6	211.0
55°	285.9	268.1	251.1	237.7	225.6	213.9	206.6	198.1	194.1	191.2	188.1
57.5°	252.2	236.2	223.2	209.7	197.5	188.2	179.7	174.7	170.5	166.8	162.9
60°	230.9	215.6	203.8	191.2	178.7	171.0	164.6	158.5	153.7	148.0	146.4
62.5°	208.3	194.8	184.1	171.8	161.0	153.9	147.7	142.0	136.2	127.9	125.6
65°	177.1	166.6	155.3	145.2	135.5	128.6	119.7	113.2	110.8	110.0	109.6
67.5°	149.0	139.0	129.3	119.0	110.1	103.8	99.3	98.2	96.6	96.1	95.0
70°	130.2	120.9	111.2	101.5	93.0	91.8	90.2	88.6	86.5	85.7	84.9
72.5°	113.4	103.8	94.0	86.3	82.6	81.1	79.5	77.9	76.5	75.7	75.2
75°	86.9	78.0	71.6	68.8	66.7	65.5	63.1	61.9	61.1	59.8	59.4
77.5°	62.6	57.6	54.6	52.8	50.7	49.4	48.0	46.8	45.9	45.7	45.1
80°	47.7	45.3	43.3	40.9	40.0	38.4	38.0	36.8	37.2	36.0	36.0
82.5°	37.1	34.0	32.2	31.1	30.3	29.1	28.6	28.0	28.1	27.3	27.3
85°	19.0	18.2	17.3	16.6	16.6	15.4	15.8	15.4	15.4	14.6	14.2
87.5°	8.6	9.0	9.3	10.4	11.3	12.0	12.0	11.6	11.4	11.3	11.0
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: P331818-927

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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: P331818-927

CATALOG NUMBER: S122RDIW-S675D1240U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1117.5	1118.2	1117.2	1117.8	1117.2	1118.2	1117.5	1121.1	1121.7	1122.4	1121.7
5°	1041.2	1036.4	1035.6	1034.4	1035.6	1036.4	1041.2	1043.3	1044.9	1048.1	1053.8
7.5°	950.2	949.4	947.5	944.6	947.5	949.4	950.2	957.1	962.7	968.9	980.5
10°	891.6	889.6	889.2	886.4	889.2	889.6	891.6	900.6	907.0	915.9	931.7
12.5°	823.1	810.0	808.7	801.6	808.7	810.0	823.1	834.6	852.0	860.5	877.3
15°	700.8	698.4	690.2	685.0	690.2	698.4	700.8	710.5	716.9	740.4	767.5
17.5°	630.9	623.0	620.4	619.3	620.4	623.0	630.9	635.6	644.8	657.2	673.5
20°	585.9	578.7	577.4	576.6	577.4	578.7	585.9	591.6	598.9	612.2	629.2
22.5°	554.8	547.2	544.2	541.7	544.2	547.2	554.8	559.3	565.9	576.3	587.8
25°	501.8	499.0	497.4	496.5	497.4	499.0	501.8	505.9	512.3	526.5	538.6
27.5°	460.3	454.1	452.9	450.8	452.9	454.1	460.3	467.5	474.3	480.6	491.5
30°	436.7	434.7	431.9	429.4	431.9	434.7	436.7	440.4	444.8	455.7	466.3
32.5°	408.9	407.2	404.7	403.5	404.7	407.2	408.9	413.8	423.1	429.8	437.4
35°	378.1	372.4	370.0	366.4	370.0	372.4	378.1	382.1	385.8	391.4	405.2
37.5°	345.5	342.5	339.1	340.3	339.1	342.5	345.5	347.2	354.9	362.7	368.7
40°	320.3	318.2	317.4	317.0	317.4	318.2	320.3	325.5	334.9	338.4	347.4
42.5°	300.2	294.6	292.6	292.5	292.6	294.6	300.2	306.1	311.9	317.7	327.0
45°	269.7	264.4	260.8	261.3	260.8	264.4	269.7	271.7	276.6	288.4	293.6
47.5°	238.5	238.4	236.1	236.8	236.1	238.4	238.5	242.0	248.2	255.4	263.8
50°	223.6	221.2	219.6	220.0	219.6	221.2	223.6	226.5	230.0	233.7	246.7
52.5°	209.4	207.3	206.0	207.7	206.0	207.3	209.4	211.0	213.6	217.2	225.9
55°	186.0	183.5	183.2	182.8	183.2	183.5	186.0	188.1	191.2	194.1	198.1
57.5°	159.9	158.3	155.8	154.8	155.8	158.3	159.9	162.9	166.8	170.5	174.7
60°	141.1	137.9	133.9	133.4	133.9	137.9	141.1	146.4	148.0	153.7	158.5
62.5°	124.0	123.3	122.6	122.5	122.6	123.3	124.0	125.6	127.9	136.2	142.0
65°	108.8	108.4	108.8	109.2	108.8	108.4	108.8	109.6	110.0	110.8	113.2
67.5°	94.8	94.0	93.3	93.6	93.3	94.0	94.8	95.0	96.1	96.6	98.2
70°	84.1	83.7	83.3	83.3	83.3	83.7	84.1	84.9	85.7	86.5	88.6
72.5°	73.8	73.7	73.3	73.0	73.3	73.7	73.8	75.2	75.7	76.5	77.9
75°	59.0	58.2	58.2	58.2	58.2	58.2	59.0	59.4	59.8	61.1	61.9
77.5°	45.0	44.6	44.1	43.8	44.1	44.6	45.0	45.1	45.7	45.9	46.8
80°	35.6	35.2	34.8	34.8	34.8	35.2	35.6	36.0	36.0	37.2	36.8
82.5°	27.2	26.8	26.7	26.4	26.7	26.8	27.2	27.3	27.3	28.1	28.0
85°	14.6	15.0	14.6	15.4	14.6	15.0	14.6	14.2	14.6	15.4	15.4
87.5°	11.1	10.8	11.2	10.9	11.2	10.8	11.1	11.0	11.3	11.4	11.6
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: P331818-927

CATALOG NUMBER: S122RDIW-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



TEST NUMBER: P331818-927

CATALOG NUMBER: S122RDIW-S675D1240U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1119.1	1123.6	1130.4	1134.3	1140.8	1145.0	1147.3	1151.5	1153.7	1161.8	1170.3
5°	1056.6	1063.1	1074.4	1084.9	1096.2	1107.9	1116.5	1126.2	1135.0	1150.4	1166.6
7.5°	985.0	994.0	1011.5	1028.3	1048.0	1064.5	1079.2	1095.7	1110.6	1132.6	1155.6
10°	931.3	947.1	970.1	985.9	1011.8	1028.3	1051.4	1069.5	1090.2	1119.3	1145.2
12.5°	885.0	904.0	922.5	944.4	967.7	995.3	1020.6	1044.0	1068.5	1098.6	1129.0
15°	801.1	828.5	857.3	879.5	911.1	940.2	969.7	1001.2	1031.2	1067.1	1106.8
17.5°	693.0	724.8	773.2	811.3	848.3	877.5	914.0	952.2	987.5	1030.9	1075.0
20°	644.2	667.7	700.4	751.7	807.6	838.7	875.8	917.9	958.4	1005.7	1053.0
22.5°	605.0	625.9	652.2	692.2	754.5	796.9	835.8	878.5	925.3	973.7	1026.1
25°	549.1	563.7	591.2	623.5	666.4	736.3	778.8	821.7	872.7	924.4	984.2
27.5°	507.2	520.2	538.1	569.0	600.9	651.1	718.7	765.4	816.2	874.4	936.5
30°	475.2	490.5	510.3	532.2	567.0	606.2	673.7	727.9	778.0	837.9	904.2
32.5°	451.9	464.0	480.9	503.0	532.0	569.6	623.5	689.4	738.2	801.3	870.5
35°	413.7	427.9	441.6	462.6	486.1	520.5	561.3	631.6	680.2	742.4	812.0
37.5°	382.2	390.9	406.1	422.7	447.5	473.1	508.5	571.6	624.1	685.2	756.5
40°	358.3	369.2	380.5	399.1	419.3	444.0	478.8	525.7	585.9	645.8	715.3
42.5°	335.0	348.8	360.8	373.2	395.4	420.1	448.4	488.1	549.7	606.3	673.9
45°	306.9	315.8	328.4	342.1	360.3	381.4	406.4	441.2	500.2	549.1	612.6
47.5°	274.3	287.2	295.4	308.9	326.1	346.2	369.6	399.6	447.4	493.3	552.2
50°	251.9	265.3	277.0	289.1	304.5	323.9	343.3	372.4	410.8	459.0	514.0
52.5°	232.8	244.5	256.0	268.1	283.1	301.0	319.4	344.9	377.9	422.1	475.5
55°	206.6	213.9	225.6	237.7	251.1	268.1	285.9	307.3	335.6	372.8	416.1
57.5°	179.7	188.2	197.5	209.7	223.2	236.2	252.2	271.6	294.0	327.6	364.6
60°	164.6	171.0	178.7	191.2	203.8	215.6	230.9	247.1	268.1	297.2	328.8
62.5°	147.7	153.9	161.0	171.8	184.1	194.8	208.3	225.4	243.2	269.7	297.4
65°	119.7	128.6	135.5	145.2	155.3	166.6	177.1	190.8	206.6	227.7	252.3
67.5°	99.3	103.8	110.1	119.0	129.3	139.0	149.0	159.7	173.4	189.6	209.2
70°	90.2	91.8	93.0	101.5	111.2	120.9	130.2	140.3	152.0	165.4	182.4
72.5°	79.5	81.1	82.6	86.3	94.0	103.8	113.4	120.9	132.0	143.1	156.9
75°	63.1	65.5	66.7	68.8	71.6	78.0	86.9	94.2	100.7	109.2	120.1
77.5°	48.0	49.4	50.7	52.8	54.6	57.6	62.6	69.2	75.2	80.2	87.7
80°	38.0	38.4	40.0	40.9	43.3	45.3	47.7	53.0	59.0	61.1	66.3
82.5°	28.6	29.1	30.3	31.1	32.2	34.0	37.1	38.4	43.2	45.9	49.2
85°	15.8	15.4	16.6	16.6	17.3	18.2	19.0	21.0	22.3	25.5	26.3
87.5°	12.0	12.0	11.3	10.4	9.3	9.0	8.6	8.3	8.4	8.9	9.6
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: P331818-927

CATALOG NUMBER: S122RDIW-S675D1240U927-4F0-1E-UDD-A1

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: P331818-927

CATALOG NUMBER: S122RDIW-S675D1240U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1170.6	1171.6	1178.1	1180.9	1186.8	1189.0	1191.6	1191.0	1191.0	1192.2	1201.3
5°	1173.1	1181.1	1193.3	1205.0	1216.3	1226.1	1232.6	1239.0	1241.4	1253.2	1263.7
7.5°	1168.9	1183.8	1203.8	1221.7	1243.1	1259.9	1273.7	1286.3	1294.9	1311.9	1329.4
10°	1163.4	1184.4	1207.0	1230.1	1259.6	1281.8	1304.5	1321.9	1327.5	1353.0	1367.6
12.5°	1152.4	1180.5	1209.3	1239.1	1268.0	1298.7	1323.6	1341.0	1360.9	1383.8	1410.6
15°	1135.9	1168.2	1205.9	1244.3	1285.5	1322.7	1349.4	1379.7	1401.5	1426.6	1450.1
17.5°	1112.1	1153.8	1201.7	1246.1	1293.8	1333.8	1370.5	1399.6	1415.0	1429.3	1432.7
20°	1093.4	1138.3	1194.5	1247.1	1294.8	1340.9	1377.3	1401.5	1405.6	1406.0	1384.6
22.5°	1073.0	1123.7	1182.6	1236.4	1293.5	1344.8	1373.1	1383.5	1367.4	1340.0	1298.5
25°	1035.6	1094.2	1162.6	1224.0	1286.3	1334.8	1344.6	1326.4	1270.1	1211.1	1136.3
27.5°	995.0	1060.9	1134.2	1202.5	1268.8	1298.9	1277.9	1212.4	1111.1	1023.1	916.5
30°	965.3	1039.3	1111.2	1187.6	1249.1	1262.0	1213.9	1117.3	999.2	866.6	760.3
32.5°	931.3	1008.8	1087.9	1167.0	1218.4	1205.8	1126.2	1007.3	868.9	738.5	637.9
35°	882.7	962.8	1048.1	1127.4	1160.2	1105.6	986.7	831.8	690.2	568.5	499.4
37.5°	826.7	913.9	1002.6	1075.4	1073.0	982.1	820.1	660.3	541.3	469.3	420.1
40°	786.9	875.0	970.9	1032.4	1006.1	887.6	712.1	561.3	474.4	416.9	380.9
42.5°	748.8	837.2	932.4	981.3	935.6	789.9	615.1	496.9	425.2	380.3	351.2
45°	683.8	777.2	865.4	892.5	810.8	650.2	497.4	411.6	363.9	330.8	310.5
47.5°	620.3	712.2	792.7	793.1	682.6	527.3	419.5	356.2	315.5	289.9	275.1
50°	581.5	668.8	736.3	725.9	600.5	469.1	375.3	320.7	286.7	266.9	251.5
52.5°	537.8	622.6	681.0	651.1	530.9	412.8	335.5	289.6	261.5	244.2	230.5
55°	474.4	549.5	590.8	545.5	433.1	343.3	283.4	247.5	226.5	211.9	200.2
57.5°	411.9	474.0	499.9	447.3	356.7	284.7	239.8	212.8	191.9	181.5	175.4
60°	372.8	425.8	444.0	385.8	310.1	249.1	212.3	187.2	171.8	165.0	158.9
62.5°	334.3	377.6	385.2	331.8	270.4	218.0	186.4	165.2	155.0	148.5	142.8
65°	277.4	308.6	304.9	262.1	213.9	173.1	150.0	137.0	129.4	120.1	110.0
67.5°	228.4	247.4	235.9	203.8	163.3	134.5	119.5	109.6	100.1	91.3	89.0
70°	197.3	208.3	196.1	166.6	133.9	112.8	100.7	89.0	83.3	81.3	77.6
72.5°	167.5	171.3	158.3	132.9	108.9	93.4	81.6	75.0	72.0	70.3	68.0
75°	125.8	122.9	111.6	91.8	75.7	65.1	61.5	59.0	57.0	55.4	54.2
77.5°	88.3	84.2	74.1	61.2	52.7	47.6	45.5	44.1	43.2	42.4	41.2
80°	66.3	63.5	53.4	43.6	40.0	37.6	36.4	34.8	34.8	34.0	32.7
82.5°	48.6	45.4	36.5	32.0	30.0	28.5	27.6	26.7	26.4	26.5	25.7
85°	25.5	20.6	18.2	17.3	16.2	15.4	15.8	15.0	15.0	15.0	14.6
87.5°	8.6	7.4	7.7	7.9	9.0	10.0	10.7	11.7	13.0	12.6	12.8
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°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1204.5	1208.7	1210.7	1210.7	1213.0	1212.0	1211.0
5°	1273.7	1281.4	1283.1	1290.4	1295.6	1294.0	1294.8
7.5°	1342.6	1354.9	1367.1	1372.8	1373.6	1376.9	1378.1
10°	1385.0	1395.1	1414.1	1411.3	1425.4	1433.5	1420.1
12.5°	1425.8	1439.4	1452.5	1456.2	1464.3	1466.8	1461.6
15°	1462.6	1469.9	1470.7	1468.7	1471.1	1469.1	1461.4
17.5°	1428.1	1416.3	1392.4	1381.1	1372.1	1358.8	1353.5
20°	1371.2	1336.4	1296.0	1279.8	1260.8	1223.6	1232.6
22.5°	1248.3	1208.6	1168.2	1121.0	1098.4	1063.2	1061.0
25°	1057.0	988.7	913.5	860.9	830.2	795.0	779.7
27.5°	821.8	735.8	674.1	642.9	614.6	586.7	585.5
30°	667.2	602.5	554.8	528.1	510.7	499.0	501.5
32.5°	562.4	518.1	485.9	463.7	450.9	442.0	441.9
35°	459.8	429.4	408.8	399.5	390.2	383.7	384.1
37.5°	393.5	375.3	363.8	353.5	347.7	344.5	342.8
40°	359.5	344.5	335.6	329.5	324.7	320.3	319.5
42.5°	332.6	320.3	311.3	306.6	302.1	298.9	298.1
45°	295.2	285.1	277.0	271.7	269.7	266.9	266.9
47.5°	262.6	252.6	246.4	243.0	239.6	237.7	237.6
50°	240.6	232.9	227.3	225.2	222.4	221.2	220.8
52.5°	220.9	215.2	211.1	209.7	208.5	206.9	207.2
55°	194.1	190.8	189.3	188.1	186.0	183.5	185.2
57.5°	171.5	168.8	164.5	160.7	158.8	157.1	157.7
60°	155.7	150.0	144.3	139.9	138.7	135.1	135.1
62.5°	135.6	127.7	120.7	118.3	117.0	115.3	115.0
65°	104.3	101.1	99.5	97.8	97.0	97.0	96.3
67.5°	86.4	85.2	83.4	82.9	82.1	81.9	81.7
70°	76.4	74.8	74.0	73.6	72.8	73.2	72.0
72.5°	66.7	65.4	65.3	64.2	63.7	63.8	62.9
75°	52.6	52.6	52.1	51.7	50.9	50.5	50.9
77.5°	40.4	40.5	39.8	39.7	39.6	39.7	39.3
80°	32.3	32.7	32.3	31.9	31.5	31.9	31.5
82.5°	25.6	25.0	24.9	24.8	24.7	24.5	24.4
85°	14.6	15.0	14.6	14.2	14.2	14.2	14.6
87.5°	12.4	12.4	12.3	12.4	12.4	12.4	12.2
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)