

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: P332108-927

Luminaire Tested: **S123DIW-S340D1320U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332108-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S340D1320U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1320 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5334.6 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

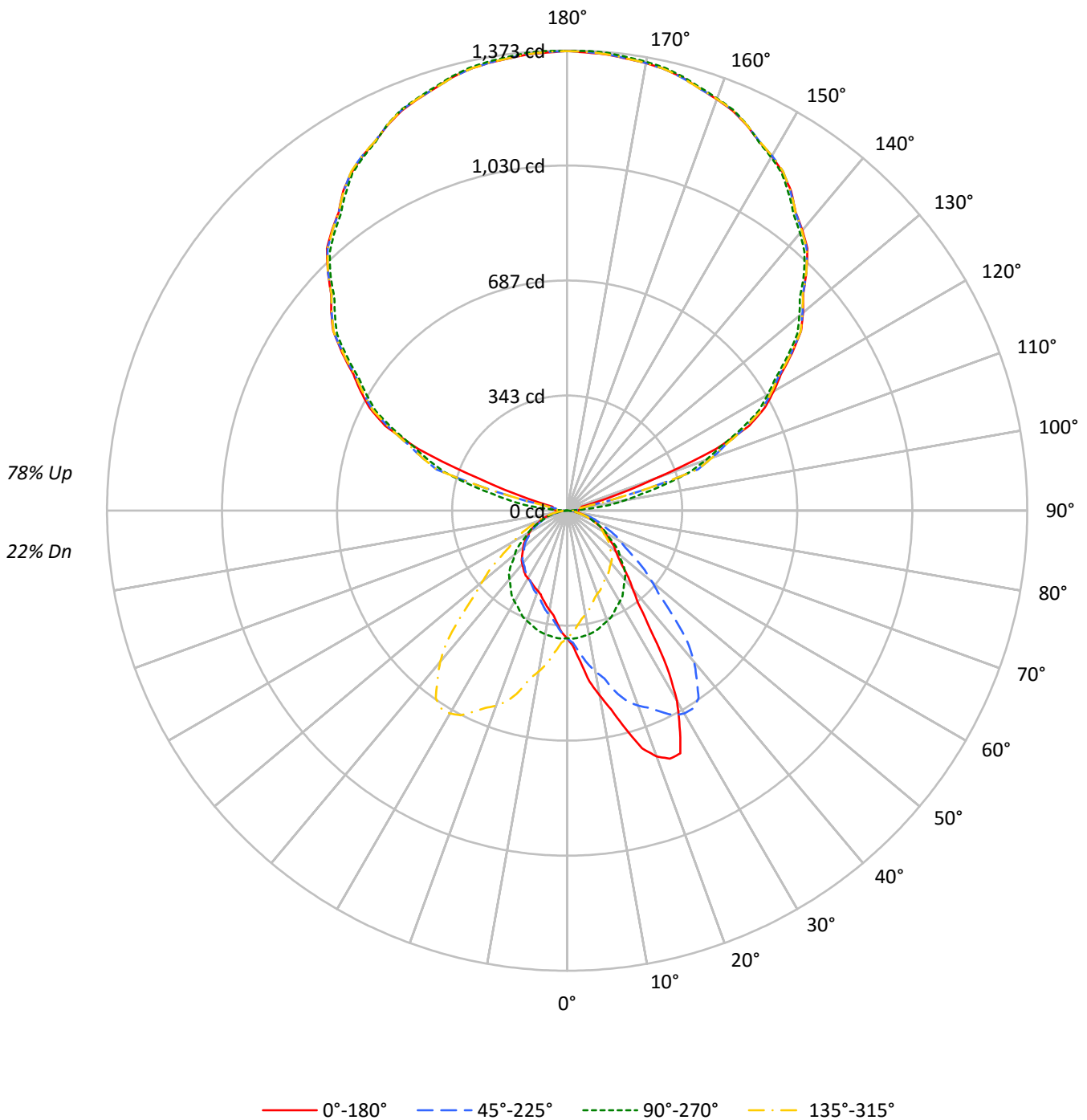
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

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	100	100	100	100	89	89	89	89	68	68	68	48	48	48	30	30	30	22
1	92	87	84	80	81	78	75	72	59	57	55	42	41	40	27	26	26	18
2	83	76	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	20	18	13
4	70	59	52	46	61	53	47	42	41	36	33	29	27	24	19	17	16	12
5	64	53	45	39	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	39	34	52	42	36	31	33	28	24	24	21	18	15	14	12	9
7	54	42	35	30	48	38	31	27	29	25	21	21	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	16	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	23	18	22	18	15	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4100	4100	4100	4100
5°	4889	4118	3649	4118
10°	6120	4098	3296	4098
15°	7506	4063	3069	4063
20°	8942	4013	2922	4013
25°	9495	3950	2888	3950
30°	8139	3904	2903	3904
35°	5660	3840	2934	3840
40°	4263	3763	2925	3763
45°	3539	3649	2888	3649
50°	3170	3418	2862	3418
55°	2965	3170	2826	3170
60°	2781	2908	2796	2908
65°	2613	2651	2707	2651
70°	2452	2357	2578	2357
75°	2196	2067	2366	2067
80°	1922	1692	2039	1692
85°	1507	1235	1371	1235



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	0.7
10°-20°	120.3	2.3
20°-30°	201.9	3.8
30°-40°	228.6	4.3
40°-50°	205.0	3.8
50°-60°	165.5	3.1
60°-70°	115.3	2.2
70°-80°	60.6	1.1
80°-90°	18.7	0.3
90°-100°	49.8	0.9
100°-110°	237.6	4.5
110°-120°	570.6	10.7
120°-130°	726.7	13.6
130°-140°	776.4	14.6
140°-150°	726.0	13.6
150°-160°	585.6	11.0
160°-170°	378.0	7.1
170°-180°	130.3	2.4
0°-30°	359.8	6.7
0°-40°	588.4	11.0
0°-60°	958.9	18.0
0°-90°	1153.5	21.6
90°-120°	858.1	16.1
90°-150°	3087.2	57.9
90°-180°	4181.0	78.4
0°-180°	5334.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	381	381	381	381	381	
5°	452	381	338	381	452	47
15°	674	365	275	365	674	194
25°	800	333	243	333	800	351
35°	431	292	223	292	431	280
45°	232	240	190	240	232	184
55°	158	169	151	169	158	142
65°	103	104	106	104	103	102
75°	53	50	57	50	53	56
85°	12	10	11	10	12	15
90°	31	1	31	1	31	14
95°	39	62	39	62	39	32
105°	45	304	45	304	45	102
115°	599	569	599	569	599	553
125°	819	803	819	803	819	731
135°	1010	999	1010	999	1010	778
145°	1164	1153	1164	1153	1164	727
155°	1268	1270	1268	1270	1268	585
165°	1336	1340	1336	1340	1336	377
175°	1366	1371	1366	1371	1366	130
180°	1371	1371	1371	1371	1371	



TEST NUMBER: P332108-927

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	404.3	403.9	403.2	403.8	402.6	401.0	400.8	399.3	395.1	394.8	393.6
5°	452.5	451.1	450.8	450.7	448.1	444.6	437.9	437.4	428.5	424.1	418.7
7.5°	515.1	515.8	513.1	510.8	502.9	497.6	490.5	481.4	470.6	459.5	452.2
10°	559.9	566.0	558.5	553.3	548.5	539.5	528.9	515.8	502.7	487.4	475.8
12.5°	608.1	611.0	609.5	604.7	597.2	583.4	564.8	550.3	538.3	512.8	502.5
15°	673.6	684.8	677.6	661.1	661.4	648.3	624.0	597.2	583.0	560.6	530.2
17.5°	743.5	744.8	741.8	727.9	718.7	700.7	678.2	652.6	623.8	596.8	564.4
20°	780.6	779.5	773.1	765.9	750.0	736.0	711.5	682.9	645.9	619.3	584.1
22.5°	801.3	799.5	796.4	790.4	777.2	762.2	740.1	708.8	673.7	637.1	596.4
25°	799.5	801.8	802.2	800.6	796.0	787.0	769.6	744.7	709.6	662.5	620.1
27.5°	727.1	730.6	740.4	749.2	758.9	768.9	767.5	755.2	729.2	688.6	636.7
30°	654.8	647.4	665.7	688.7	704.4	732.1	747.6	748.5	734.0	699.1	648.5
32.5°	554.4	562.5	570.6	599.0	633.3	664.3	695.2	720.0	722.9	699.7	655.5
35°	430.7	440.9	455.7	470.4	507.3	539.1	593.3	640.6	678.2	683.2	656.1
37.5°	347.1	352.1	361.5	376.3	400.4	438.1	480.0	539.7	594.3	634.9	636.6
40°	303.4	304.9	315.4	326.6	346.2	377.2	415.0	467.9	533.1	589.9	613.5
42.5°	270.6	273.9	278.4	289.1	304.8	328.0	363.2	406.9	466.8	532.0	578.1
45°	232.5	236.2	239.0	246.2	257.3	273.0	297.5	337.4	382.9	450.3	512.5
47.5°	207.4	207.6	209.7	215.2	222.7	234.5	251.8	277.4	319.2	373.9	437.8
50°	189.3	192.3	193.1	197.3	203.2	211.8	226.2	248.0	282.3	330.3	389.0
52.5°	176.7	177.5	179.6	182.7	187.8	194.6	207.1	224.1	251.0	292.0	345.9
55°	158.0	158.0	160.0	162.4	165.3	171.4	179.7	192.3	212.8	244.5	289.2
57.5°	140.7	141.6	143.1	143.8	146.3	150.4	157.2	166.8	182.0	206.5	242.0
60°	129.2	130.9	130.6	132.1	134.4	137.5	143.4	151.1	164.8	184.3	214.3
62.5°	119.1	119.1	119.0	120.8	122.9	126.0	129.8	136.5	148.1	165.5	190.9
65°	102.6	102.3	103.5	104.6	105.4	107.6	110.5	116.5	124.2	137.1	156.9
67.5°	87.9	86.8	87.5	87.9	89.2	90.9	93.7	97.4	103.5	113.8	128.7
70°	77.9	76.9	76.8	77.2	78.3	79.5	81.6	85.1	90.8	99.1	110.0
72.5°	67.6	66.9	66.9	67.7	68.2	69.1	70.5	73.7	78.3	84.5	94.7
75°	52.8	52.8	52.8	53.0	53.6	54.3	55.4	57.0	60.5	65.0	71.8
77.5°	39.5	39.5	39.3	39.3	40.1	40.4	40.6	42.2	44.2	47.1	52.1
80°	31.0	30.1	30.4	31.0	31.4	31.5	32.1	32.5	34.1	35.8	39.3
82.5°	23.1	22.3	22.3	23.2	23.3	23.4	24.0	24.5	25.1	26.6	28.5
85°	12.2	12.2	12.4	12.4	12.5	12.4	12.9	13.1	13.1	14.0	15.1
87.5°	10.5	10.1	10.2	10.3	10.1	10.1	10.0	10.0	10.0	9.9	9.5
90°	30.6	30.1	29.6	29.2	28.8	28.0	27.2	26.2	25.3	24.5	21.5
92.5°	33.8	33.5	33.3	33.0	32.7	31.8	30.4	29.0	27.5	26.1	23.8
95°	38.7	38.7	38.7	38.7	38.7	37.9	36.4	34.8	33.2	31.6	29.1
97.5°	42.0	41.7	41.5	41.3	41.0	40.0	38.3	36.4	34.6	32.8	49.1
100°	42.8	42.5	42.3	42.1	41.9	40.9	39.1	37.2	35.4	33.6	68.9
102.5°	43.6	43.2	42.8	42.4	42.0	44.6	50.1	55.8	61.4	67.0	105.6
105°	44.8	44.4	43.9	43.5	43.0	62.8	102.9	142.9	183.0	223.1	243.4
107.5°	140.8	171.0	201.1	231.4	261.6	291.4	320.8	350.1	379.5	408.8	405.7
110°	280.1	312.5	344.8	377.2	409.6	429.5	437.0	444.4	451.9	459.4	456.9



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	480.6	487.4	494.2	501.1	507.9	511.3	511.1	511.0	510.9	510.7	508.3
115°	599.0	598.0	597.1	596.2	595.3	593.7	591.4	589.2	586.9	584.7	582.7
117.5°	665.4	665.2	665.0	664.8	664.6	663.6	661.8	660.0	658.2	656.4	655.4
120°	711.0	711.0	711.0	711.0	711.0	710.1	708.3	706.5	704.6	702.8	702.2
122.5°	755.8	755.7	755.4	755.3	755.1	754.4	753.1	751.9	750.6	749.3	748.5
125°	819.0	818.5	818.1	817.6	817.1	816.7	816.3	815.8	815.3	814.9	814.0
127.5°	879.6	880.1	880.6	881.1	881.5	881.4	880.6	879.9	879.2	878.5	877.3
130°	918.8	919.2	919.7	920.1	920.6	920.4	919.5	918.5	917.7	916.7	915.8
132.5°	954.7	955.3	955.9	956.6	957.2	957.0	956.2	955.2	954.3	953.4	952.7
135°	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2	1011.5	1010.8	1010.1	1009.5	1008.5
137.5°	1061.0	1061.4	1061.9	1062.3	1062.8	1062.5	1061.4	1060.3	1059.2	1058.1	1057.6
140°	1091.9	1092.4	1092.8	1093.3	1093.8	1093.5	1092.7	1091.7	1090.8	1089.9	1089.3
142.5°	1120.5	1121.1	1121.7	1122.4	1123.0	1123.0	1122.2	1121.5	1120.8	1120.1	1119.4
145°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.0	1163.6	1163.2	1162.7	1162.2	1161.8
147.5°	1196.8	1197.9	1199.0	1200.0	1201.0	1201.3	1200.9	1200.4	1200.0	1199.5	1199.0
150°	1221.3	1222.0	1222.7	1223.4	1224.0	1224.2	1223.7	1223.2	1222.8	1222.3	1221.9
152.5°	1240.9	1241.9	1242.9	1244.0	1245.1	1245.2	1244.4	1243.5	1242.7	1241.9	1241.6
155°	1268.2	1269.6	1270.9	1272.2	1273.6	1273.7	1272.6	1271.5	1270.3	1269.2	1269.0
157.5°	1291.2	1292.9	1294.7	1296.5	1298.2	1298.5	1297.1	1295.8	1294.3	1293.0	1293.2
160°	1305.8	1307.4	1309.0	1310.6	1312.2	1312.3	1311.0	1309.6	1308.2	1306.9	1307.1
162.5°	1319.7	1321.1	1322.5	1323.9	1325.3	1325.2	1323.7	1322.2	1320.6	1319.1	1319.3
165°	1336.4	1338.0	1339.6	1341.2	1342.7	1342.7	1340.8	1339.0	1337.2	1335.4	1335.6
167.5°	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7	1353.8	1352.1	1350.3	1348.5	1348.5
170°	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0	1361.2	1359.4	1357.6	1355.7	1355.7
172.5°	1359.9	1361.8	1363.8	1365.8	1367.8	1367.9	1366.1	1364.3	1362.5	1360.7	1360.5
175°	1366.0	1367.8	1369.6	1371.4	1373.2	1373.3	1371.7	1370.2	1368.6	1367.0	1366.8
177.5°	1367.8	1369.6	1371.4	1373.2	1375.1	1375.2	1373.8	1372.3	1370.9	1369.4	1369.2
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	392.7	391.6	390.4	388.3	386.5	384.0	383.3	382.4	379.7	377.4	375.6
5°	416.7	412.3	405.8	399.9	395.1	388.6	385.0	381.1	375.6	370.6	366.5
7.5°	441.8	433.1	423.0	412.3	402.1	392.4	384.5	377.5	369.7	362.4	356.6
10°	461.8	449.2	435.1	420.0	407.1	394.6	384.0	374.9	364.9	356.2	349.0
12.5°	484.5	465.9	446.6	428.2	412.9	395.5	382.7	371.0	359.7	349.3	341.2
15°	511.4	487.7	464.9	439.6	416.4	394.6	379.5	364.6	351.6	340.9	330.5
17.5°	535.9	509.1	479.0	448.2	420.2	394.3	373.2	356.5	340.1	327.0	316.7
20°	549.8	519.4	485.2	453.3	422.2	393.5	370.2	350.3	332.6	318.7	307.1
22.5°	561.7	526.1	490.8	456.6	422.1	391.1	364.7	344.2	325.0	311.5	299.1
25°	574.2	531.5	496.1	456.1	417.5	385.3	355.8	332.6	313.4	297.5	284.8
27.5°	584.8	531.2	489.1	446.0	410.1	378.0	346.4	321.5	301.1	283.8	270.9
30°	591.8	531.9	481.9	439.3	403.1	369.9	339.2	314.1	292.7	275.2	263.0
32.5°	596.3	531.4	475.2	429.8	391.8	362.4	331.4	305.4	283.4	266.2	254.4
35°	598.9	528.1	463.7	410.3	373.8	345.1	319.1	292.2	269.1	253.0	239.7
37.5°	593.7	521.3	450.5	391.4	351.4	323.3	301.3	278.5	256.4	238.7	227.2
40°	585.6	516.9	440.1	378.1	336.0	309.0	290.3	267.8	246.0	229.2	218.5
42.5°	570.1	507.9	428.8	363.4	320.1	293.0	275.8	257.0	236.4	220.6	209.9
45°	532.3	488.3	411.7	341.3	296.6	268.5	253.4	239.7	221.1	205.8	196.5
47.5°	479.7	458.8	387.1	317.9	272.0	245.0	229.3	218.3	204.7	192.3	183.5
50°	443.3	434.6	370.4	301.9	255.6	229.2	214.0	204.1	194.3	182.0	173.9
52.5°	401.2	406.5	350.9	285.4	238.9	212.9	198.8	190.8	182.0	171.7	164.7
55°	342.0	361.3	317.3	257.6	214.0	189.3	175.9	168.9	163.7	156.1	150.0
57.5°	286.5	311.2	280.8	229.0	189.6	168.3	155.4	147.8	144.5	140.5	135.7
60°	253.6	277.9	254.8	209.8	173.3	153.0	141.6	135.1	131.7	129.0	124.9
62.5°	224.2	248.8	229.5	190.4	157.2	138.4	128.4	122.1	119.5	118.1	114.6
65°	183.8	205.0	192.1	160.0	134.2	117.6	108.5	104.1	101.7	101.2	98.9
67.5°	149.6	165.7	156.4	132.7	112.4	98.1	90.4	86.6	84.8	84.5	82.9
70°	127.1	142.3	135.1	113.7	96.2	84.9	78.3	74.9	73.8	73.7	72.7
72.5°	109.7	120.3	114.5	96.7	83.2	73.0	68.0	64.6	63.4	63.6	63.0
75°	81.2	89.1	85.8	73.4	62.6	55.9	51.9	49.7	48.6	49.1	48.3
77.5°	58.5	63.5	60.4	51.9	45.2	40.4	37.4	36.0	35.0	35.0	34.7
80°	44.1	47.1	45.4	40.2	34.7	30.7	28.2	27.3	26.8	26.5	26.4
82.5°	31.4	33.9	31.9	28.4	24.6	22.2	20.8	19.6	19.3	19.3	19.2
85°	15.8	16.8	16.1	13.9	12.4	11.2	10.5	10.0	9.6	9.7	9.4
87.5°	9.2	8.7	7.7	6.6	5.9	4.9	4.5	3.7	3.9	4.4	4.7
90°	18.5	15.6	12.7	10.1	7.8	5.5	3.2	1.0	3.2	5.5	7.8
92.5°	21.6	19.4	17.2	16.4	17.0	17.7	18.3	18.9	18.3	17.7	17.0
95°	26.6	24.1	21.6	25.0	34.3	43.6	52.8	62.1	52.8	43.6	34.3
97.5°	65.4	81.7	98.0	108.2	112.4	116.5	120.7	124.8	120.7	116.5	112.4
100°	104.3	139.6	174.8	190.3	185.7	181.2	176.7	172.1	176.7	181.2	185.7
102.5°	144.2	182.8	221.3	239.0	235.7	232.4	229.2	225.9	229.2	232.4	235.7
105°	263.8	284.2	304.6	313.5	311.0	308.6	306.0	303.6	306.0	308.6	311.0
107.5°	402.4	399.3	396.0	393.4	391.4	389.4	387.5	385.5	387.5	389.4	391.4
110°	454.4	451.9	449.4	447.3	445.4	443.6	441.9	440.1	441.9	443.6	445.4



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	505.7	503.3	500.7	498.7	497.1	495.4	493.8	492.2	493.8	495.4	497.1
115°	580.6	578.5	576.6	574.8	573.5	572.1	570.8	569.4	570.8	572.1	573.5
117.5°	654.3	653.2	652.2	650.9	649.2	647.5	645.9	644.2	645.9	647.5	649.2
120°	701.5	700.8	700.1	698.8	696.7	694.7	692.7	690.6	692.7	694.7	696.7
122.5°	747.6	746.7	745.8	744.6	742.9	741.2	739.6	737.9	739.6	741.2	742.9
125°	813.1	812.1	811.3	809.9	808.1	806.3	804.5	802.6	804.5	806.3	808.1
127.5°	876.3	875.2	874.1	872.7	870.8	869.0	867.2	865.4	867.2	869.0	870.8
130°	915.0	914.0	913.1	911.8	910.0	908.2	906.3	904.5	906.3	908.2	910.0
132.5°	952.0	951.3	950.5	949.3	947.5	945.6	943.8	942.0	943.8	945.6	947.5
135°	1007.7	1006.7	1005.8	1004.7	1003.3	1002.0	1000.6	999.3	1000.6	1002.0	1003.3
137.5°	1057.2	1056.6	1056.1	1055.0	1053.3	1051.6	1049.9	1048.1	1049.9	1051.6	1053.3
140°	1088.5	1087.9	1087.2	1086.2	1084.8	1083.5	1082.1	1080.8	1082.1	1083.5	1084.8
142.5°	1118.7	1118.0	1117.4	1116.3	1115.0	1113.6	1112.2	1110.9	1112.2	1113.6	1115.0
145°	1161.3	1160.9	1160.4	1159.4	1157.9	1156.3	1154.7	1153.1	1154.7	1156.3	1157.9
147.5°	1198.6	1198.2	1197.7	1197.0	1195.9	1194.8	1193.8	1192.8	1193.8	1194.8	1195.9
150°	1221.4	1221.0	1220.5	1220.0	1219.2	1218.6	1217.9	1217.3	1217.9	1218.6	1219.2
152.5°	1241.3	1241.1	1240.8	1240.5	1240.2	1239.8	1239.5	1239.2	1239.5	1239.8	1240.2
155°	1268.8	1268.5	1268.3	1268.4	1268.8	1269.3	1269.8	1270.2	1269.8	1269.3	1268.8
157.5°	1293.5	1293.7	1294.0	1294.0	1294.1	1294.2	1294.2	1294.3	1294.2	1294.2	1294.1
160°	1307.3	1307.6	1307.8	1308.0	1308.2	1308.4	1308.7	1308.9	1308.7	1308.4	1308.2
162.5°	1319.5	1319.8	1320.0	1320.4	1321.0	1321.6	1322.2	1322.8	1322.2	1321.6	1321.0
165°	1335.9	1336.1	1336.3	1336.7	1337.4	1338.1	1338.8	1339.5	1338.8	1338.1	1337.4
167.5°	1348.5	1348.5	1348.5	1348.8	1349.8	1350.7	1351.6	1352.5	1351.6	1350.7	1349.8
170°	1355.7	1355.7	1355.7	1356.2	1357.2	1358.0	1358.9	1359.9	1358.9	1358.0	1357.2
172.5°	1360.3	1360.1	1359.9	1360.4	1361.4	1362.6	1363.7	1364.8	1363.7	1362.6	1361.4
175°	1366.5	1366.3	1366.0	1366.5	1367.6	1368.8	1369.9	1371.0	1369.9	1368.8	1367.6
177.5°	1369.0	1368.9	1368.7	1369.0	1370.0	1370.9	1371.7	1372.7	1371.7	1370.9	1370.0
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	374.5	373.5	372.1	369.9	368.0	365.3	365.3	365.7	365.7	365.6	365.3
5°	363.2	360.4	357.1	353.2	349.2	345.1	344.4	342.9	341.8	341.0	340.2
7.5°	351.2	346.3	341.4	336.0	331.1	327.0	324.2	321.8	320.3	318.6	317.4
10°	343.1	337.0	331.3	325.6	319.2	314.3	311.2	309.0	307.3	305.8	305.1
12.5°	333.5	326.5	320.2	314.7	307.9	302.8	299.8	298.7	296.8	293.7	292.1
15°	319.5	313.0	305.5	297.1	293.8	287.6	284.0	282.3	281.2	278.8	278.1
17.5°	307.4	299.0	290.5	284.3	278.1	273.1	271.1	269.0	267.6	265.6	265.0
20°	297.9	290.3	282.6	275.9	269.4	263.9	262.2	260.8	259.3	258.4	257.6
22.5°	288.1	280.6	274.1	267.9	261.0	257.4	255.6	254.0	252.9	252.3	251.6
25°	274.4	267.8	260.5	255.1	249.5	247.1	246.0	245.1	244.3	243.4	243.2
27.5°	262.2	254.9	249.1	243.9	240.0	238.0	236.9	236.5	236.6	236.9	237.2
30°	253.0	246.4	241.6	237.2	233.5	231.6	231.4	231.4	232.2	232.3	232.7
32.5°	244.6	239.2	234.3	230.0	227.3	226.0	226.7	226.7	227.3	227.8	228.5
35°	232.3	227.5	223.9	220.1	217.8	218.3	218.7	219.0	220.0	221.1	221.8
37.5°	220.6	216.5	212.6	209.8	208.7	209.6	210.6	211.3	212.4	213.3	214.0
40°	212.2	209.1	205.4	202.8	203.2	203.7	204.5	205.4	206.4	206.9	207.6
42.5°	204.4	201.1	198.3	196.1	196.7	197.4	197.8	198.3	199.4	200.4	200.8
45°	192.5	189.9	187.4	186.0	186.4	186.8	187.1	187.7	188.6	189.3	189.6
47.5°	179.1	177.3	175.5	174.3	174.9	174.8	175.2	176.4	176.7	177.1	178.2
50°	170.6	168.9	166.8	166.4	166.4	166.4	166.7	168.1	168.1	168.9	169.6
52.5°	161.1	160.0	158.8	158.0	157.7	157.7	158.5	159.2	159.5	160.6	161.4
55°	147.1	146.0	144.9	144.3	143.9	144.3	145.8	146.2	147.1	147.7	148.2
57.5°	132.5	131.7	130.8	130.5	130.4	130.9	131.7	132.8	133.0	134.8	135.5
60°	122.9	121.6	120.9	120.9	120.5	122.2	121.8	123.7	124.1	125.2	126.4
62.5°	113.0	111.3	111.0	111.0	111.5	112.0	112.5	113.3	114.3	115.7	116.7
65°	97.0	96.2	97.4	97.3	96.9	98.0	98.0	98.9	100.1	101.3	103.4
67.5°	82.0	81.5	81.6	81.6	82.1	82.8	83.3	84.1	85.5	86.8	88.2
70°	71.8	72.3	71.5	72.2	72.7	72.9	73.3	74.4	75.8	76.8	78.3
72.5°	61.9	61.9	61.9	62.3	62.8	63.1	63.5	64.8	66.4	67.2	68.4
75°	47.6	47.5	48.0	48.0	48.9	49.3	49.7	50.2	51.7	52.8	53.7
77.5°	34.8	35.0	34.9	35.5	35.3	35.3	36.4	37.0	37.2	39.4	39.8
80°	26.2	26.5	26.8	26.9	27.1	26.8	28.0	28.6	28.6	29.9	30.8
82.5°	18.9	19.0	19.5	19.7	19.7	20.1	20.2	20.6	21.1	21.6	22.8
85°	9.4	10.0	10.1	10.0	10.1	9.7	10.3	10.5	10.7	10.7	10.7
87.5°	5.0	5.6	6.1	6.8	7.3	8.0	8.2	8.1	8.2	8.9	8.4
90°	10.1	12.7	15.6	18.5	21.5	24.5	25.3	26.2	27.2	28.0	28.8
92.5°	16.4	17.2	19.4	21.6	23.8	26.1	27.5	29.0	30.4	31.8	32.7
95°	25.0	21.6	24.1	26.6	29.1	31.6	33.2	34.8	36.4	37.9	38.7
97.5°	108.2	98.0	81.7	65.4	49.1	32.8	34.6	36.4	38.3	40.0	41.0
100°	190.3	174.8	139.6	104.3	68.9	33.6	35.4	37.2	39.1	40.9	41.9
102.5°	239.0	221.3	182.8	144.2	105.6	67.0	61.4	55.8	50.1	44.6	42.0
105°	313.5	304.6	284.2	263.8	243.4	223.1	183.0	142.9	102.9	62.8	43.0
107.5°	393.4	396.0	399.3	402.4	405.7	408.8	379.5	350.1	320.8	291.4	261.6
110°	447.3	449.4	451.9	454.4	456.9	459.4	451.9	444.4	437.0	429.5	409.6



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	498.7	500.7	503.3	505.7	508.3	510.7	510.9	511.0	511.1	511.3	507.9
115°	574.8	576.6	578.5	580.6	582.7	584.7	586.9	589.2	591.4	593.7	595.3
117.5°	650.9	652.2	653.2	654.3	655.4	656.4	658.2	660.0	661.8	663.6	664.6
120°	698.8	700.1	700.8	701.5	702.2	702.8	704.6	706.5	708.3	710.1	711.0
122.5°	744.6	745.8	746.7	747.6	748.5	749.3	750.6	751.9	753.1	754.4	755.1
125°	809.9	811.3	812.1	813.1	814.0	814.9	815.3	815.8	816.3	816.7	817.1
127.5°	872.7	874.1	875.2	876.3	877.3	878.5	879.2	879.9	880.6	881.4	881.5
130°	911.8	913.1	914.0	915.0	915.8	916.7	917.7	918.5	919.5	920.4	920.6
132.5°	949.3	950.5	951.3	952.0	952.7	953.4	954.3	955.2	956.2	957.0	957.2
135°	1004.7	1005.8	1006.7	1007.7	1008.5	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2
137.5°	1055.0	1056.1	1056.6	1057.2	1057.6	1058.1	1059.2	1060.3	1061.4	1062.5	1062.8
140°	1086.2	1087.2	1087.9	1088.5	1089.3	1089.9	1090.8	1091.7	1092.7	1093.5	1093.8
142.5°	1116.3	1117.4	1118.0	1118.7	1119.4	1120.1	1120.8	1121.5	1122.2	1123.0	1123.0
145°	1159.4	1160.4	1160.9	1161.3	1161.8	1162.2	1162.7	1163.2	1163.6	1164.0	1164.3
147.5°	1197.0	1197.7	1198.2	1198.6	1199.0	1199.5	1200.0	1200.4	1200.9	1201.3	1201.0
150°	1220.0	1220.5	1221.0	1221.4	1221.9	1222.3	1222.8	1223.2	1223.7	1224.2	1224.0
152.5°	1240.5	1240.8	1241.1	1241.3	1241.6	1241.9	1242.7	1243.5	1244.4	1245.2	1245.1
155°	1268.4	1268.3	1268.5	1268.8	1269.0	1269.2	1270.3	1271.5	1272.6	1273.7	1273.6
157.5°	1294.0	1294.0	1293.7	1293.5	1293.2	1293.0	1294.3	1295.8	1297.1	1298.5	1298.2
160°	1308.0	1307.8	1307.6	1307.3	1307.1	1306.9	1308.2	1309.6	1311.0	1312.3	1312.2
162.5°	1320.4	1320.0	1319.8	1319.5	1319.3	1319.1	1320.6	1322.2	1323.7	1325.2	1325.3
165°	1336.7	1336.3	1336.1	1335.9	1335.6	1335.4	1337.2	1339.0	1340.8	1342.7	1342.7
167.5°	1348.8	1348.5	1348.5	1348.5	1348.5	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7
170°	1356.2	1355.7	1355.7	1355.7	1355.7	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0
172.5°	1360.4	1359.9	1360.1	1360.3	1360.5	1360.7	1362.5	1364.3	1366.1	1367.9	1367.8
175°	1366.5	1366.0	1366.3	1366.5	1366.8	1367.0	1368.6	1370.2	1371.7	1373.3	1373.2
177.5°	1369.0	1368.7	1368.9	1369.0	1369.2	1369.4	1370.9	1372.3	1373.8	1375.2	1375.1
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	364.2	364.1	365.1	364.4	365.1	364.1	364.2	365.3	365.6	365.7	365.7
5°	339.1	339.6	337.7	337.7	337.7	339.6	339.1	340.2	341.0	341.8	342.9
7.5°	316.6	315.8	315.8	314.8	315.8	315.8	316.6	317.4	318.6	320.3	321.8
10°	302.9	301.7	301.3	301.6	301.3	301.7	302.9	305.1	305.8	307.3	309.0
12.5°	291.4	291.3	288.8	288.8	288.8	291.3	291.4	292.1	293.7	296.8	298.7
15°	278.1	274.6	274.3	275.4	274.3	274.6	278.1	278.1	278.8	281.2	282.3
17.5°	264.7	262.8	263.0	262.4	263.0	262.8	264.7	265.0	265.6	267.6	269.0
20°	257.6	256.5	256.4	255.1	256.4	256.5	257.6	257.6	258.4	259.3	260.8
22.5°	251.1	250.8	250.9	249.5	250.9	250.8	251.1	251.6	252.3	252.9	254.0
25°	243.0	244.0	243.2	243.2	243.2	244.0	243.0	243.2	243.4	244.3	245.1
27.5°	237.6	237.6	237.2	237.2	237.2	237.6	237.6	237.2	236.9	236.6	236.5
30°	233.5	233.3	233.6	233.6	233.6	233.3	233.5	232.7	232.3	232.2	231.4
32.5°	229.3	229.6	229.7	229.8	229.7	229.6	229.3	228.5	227.8	227.3	226.7
35°	222.9	223.2	223.7	223.3	223.7	223.2	222.9	221.8	221.1	220.0	219.0
37.5°	214.3	215.2	215.0	215.2	215.0	215.2	214.3	214.0	213.3	212.4	211.3
40°	207.8	208.3	208.2	208.2	208.2	208.3	207.8	207.6	206.9	206.4	205.4
42.5°	201.1	201.5	201.1	200.8	201.1	201.5	201.1	200.8	200.4	199.4	198.3
45°	190.3	189.9	190.4	189.7	190.4	189.9	190.3	189.6	189.3	188.6	187.7
47.5°	178.1	178.5	178.6	179.2	178.6	178.5	178.1	178.2	177.1	176.7	176.4
50°	170.0	171.1	171.1	170.9	171.1	171.1	170.0	169.6	168.9	168.1	168.1
52.5°	162.0	162.5	163.3	163.2	163.3	162.5	162.0	161.4	160.6	159.5	159.2
55°	149.6	150.0	150.4	150.6	150.4	150.0	149.6	148.2	147.7	147.1	146.2
57.5°	136.9	136.7	137.6	137.9	137.6	136.7	136.9	135.5	134.8	133.0	132.8
60°	127.9	127.9	129.4	129.9	129.4	127.9	127.9	126.4	125.2	124.1	123.7
62.5°	118.3	118.9	120.3	119.6	120.3	118.9	118.3	116.7	115.7	114.3	113.3
65°	104.3	105.8	105.6	106.3	105.6	105.8	104.3	103.4	101.3	100.1	98.9
67.5°	89.6	90.5	91.9	92.0	91.9	90.5	89.6	88.2	86.8	85.5	84.1
70°	79.7	80.6	81.4	81.9	81.4	80.6	79.7	78.3	76.8	75.8	74.4
72.5°	70.1	70.6	72.4	71.6	72.4	70.6	70.1	68.4	67.2	66.4	64.8
75°	55.0	56.3	57.4	56.9	57.4	56.3	55.0	53.7	52.8	51.7	50.2
77.5°	40.6	42.0	42.5	42.0	42.5	42.0	40.6	39.8	39.4	37.2	37.0
80°	32.1	31.9	33.0	32.9	33.0	31.9	32.1	30.8	29.9	28.6	28.6
82.5°	23.5	23.4	23.8	24.0	23.8	23.4	23.5	22.8	21.6	21.1	20.6
85°	11.4	12.0	11.2	11.1	11.2	12.0	11.4	10.7	10.7	10.7	10.5
87.5°	8.5	8.6	8.6	8.5	8.6	8.6	8.5	8.4	8.9	8.2	8.1
90°	29.2	29.6	30.1	30.6	30.1	29.6	29.2	28.8	28.0	27.2	26.2
92.5°	33.0	33.3	33.5	33.8	33.5	33.3	33.0	32.7	31.8	30.4	29.0
95°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	37.9	36.4	34.8
97.5°	41.3	41.5	41.7	42.0	41.7	41.5	41.3	41.0	40.0	38.3	36.4
100°	42.1	42.3	42.5	42.8	42.5	42.3	42.1	41.9	40.9	39.1	37.2
102.5°	42.4	42.8	43.2	43.6	43.2	42.8	42.4	42.0	44.6	50.1	55.8
105°	43.5	43.9	44.4	44.8	44.4	43.9	43.5	43.0	62.8	102.9	142.9
107.5°	231.4	201.1	171.0	140.8	171.0	201.1	231.4	261.6	291.4	320.8	350.1
110°	377.2	344.8	312.5	280.1	312.5	344.8	377.2	409.6	429.5	437.0	444.4



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	501.1	494.2	487.4	480.6	487.4	494.2	501.1	507.9	511.3	511.1	511.0
115°	596.2	597.1	598.0	599.0	598.0	597.1	596.2	595.3	593.7	591.4	589.2
117.5°	664.8	665.0	665.2	665.4	665.2	665.0	664.8	664.6	663.6	661.8	660.0
120°	711.0	711.0	711.0	711.0	711.0	711.0	711.0	711.0	710.1	708.3	706.5
122.5°	755.3	755.4	755.7	755.8	755.7	755.4	755.3	755.1	754.4	753.1	751.9
125°	817.6	818.1	818.5	819.0	818.5	818.1	817.6	817.1	816.7	816.3	815.8
127.5°	881.1	880.6	880.1	879.6	880.1	880.6	881.1	881.5	881.4	880.6	879.9
130°	920.1	919.7	919.2	918.8	919.2	919.7	920.1	920.6	920.4	919.5	918.5
132.5°	956.6	955.9	955.3	954.7	955.3	955.9	956.6	957.2	957.0	956.2	955.2
135°	1011.5	1010.8	1010.1	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2	1011.5	1010.8
137.5°	1062.3	1061.9	1061.4	1061.0	1061.4	1061.9	1062.3	1062.8	1062.5	1061.4	1060.3
140°	1093.3	1092.8	1092.4	1091.9	1092.4	1092.8	1093.3	1093.8	1093.5	1092.7	1091.7
142.5°	1122.4	1121.7	1121.1	1120.5	1121.1	1121.7	1122.4	1123.0	1123.0	1122.2	1121.5
145°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.0	1163.6	1163.2
147.5°	1200.0	1199.0	1197.9	1196.8	1197.9	1199.0	1200.0	1201.0	1201.3	1200.9	1200.4
150°	1223.4	1222.7	1222.0	1221.3	1222.0	1222.7	1223.4	1224.0	1224.2	1223.7	1223.2
152.5°	1244.0	1242.9	1241.9	1240.9	1241.9	1242.9	1244.0	1245.1	1245.2	1244.4	1243.5
155°	1272.2	1270.9	1269.6	1268.2	1269.6	1270.9	1272.2	1273.6	1273.7	1272.6	1271.5
157.5°	1296.5	1294.7	1292.9	1291.2	1292.9	1294.7	1296.5	1298.2	1298.5	1297.1	1295.8
160°	1310.6	1309.0	1307.4	1305.8	1307.4	1309.0	1310.6	1312.2	1312.3	1311.0	1309.6
162.5°	1323.9	1322.5	1321.1	1319.7	1321.1	1322.5	1323.9	1325.3	1325.2	1323.7	1322.2
165°	1341.2	1339.6	1338.0	1336.4	1338.0	1339.6	1341.2	1342.7	1342.7	1340.8	1339.0
167.5°	1353.8	1352.1	1350.3	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7	1353.8	1352.1
170°	1361.2	1359.4	1357.6	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0	1361.2	1359.4
172.5°	1365.8	1363.8	1361.8	1359.9	1361.8	1363.8	1365.8	1367.8	1367.9	1366.1	1364.3
175°	1371.4	1369.6	1367.8	1366.0	1367.8	1369.6	1371.4	1373.2	1373.3	1371.7	1370.2
177.5°	1373.2	1371.4	1369.6	1367.8	1369.6	1371.4	1373.2	1375.1	1375.2	1373.8	1372.3
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	365.3	365.3	368.0	369.9	372.1	373.5	374.5	375.6	377.4	379.7	382.4
5°	344.4	345.1	349.2	353.2	357.1	360.4	363.2	366.5	370.6	375.6	381.1
7.5°	324.2	327.0	331.1	336.0	341.4	346.3	351.2	356.6	362.4	369.7	377.5
10°	311.2	314.3	319.2	325.6	331.3	337.0	343.1	349.0	356.2	364.9	374.9
12.5°	299.8	302.8	307.9	314.7	320.2	326.5	333.5	341.2	349.3	359.7	371.0
15°	284.0	287.6	293.8	297.1	305.5	313.0	319.5	330.5	340.9	351.6	364.6
17.5°	271.1	273.1	278.1	284.3	290.5	299.0	307.4	316.7	327.0	340.1	356.5
20°	262.2	263.9	269.4	275.9	282.6	290.3	297.9	307.1	318.7	332.6	350.3
22.5°	255.6	257.4	261.0	267.9	274.1	280.6	288.1	299.1	311.5	325.0	344.2
25°	246.0	247.1	249.5	255.1	260.5	267.8	274.4	284.8	297.5	313.4	332.6
27.5°	236.9	238.0	240.0	243.9	249.1	254.9	262.2	270.9	283.8	301.1	321.5
30°	231.4	231.6	233.5	237.2	241.6	246.4	253.0	263.0	275.2	292.7	314.1
32.5°	226.7	226.0	227.3	230.0	234.3	239.2	244.6	254.4	266.2	283.4	305.4
35°	218.7	218.3	217.8	220.1	223.9	227.5	232.3	239.7	253.0	269.1	292.2
37.5°	210.6	209.6	208.7	209.8	212.6	216.5	220.6	227.2	238.7	256.4	278.5
40°	204.5	203.7	203.2	202.8	205.4	209.1	212.2	218.5	229.2	246.0	267.8
42.5°	197.8	197.4	196.7	196.1	198.3	201.1	204.4	209.9	220.6	236.4	257.0
45°	187.1	186.8	186.4	186.0	187.4	189.9	192.5	196.5	205.8	221.1	239.7
47.5°	175.2	174.8	174.9	174.3	175.5	177.3	179.1	183.5	192.3	204.7	218.3
50°	166.7	166.4	166.4	166.4	166.8	168.9	170.6	173.9	182.0	194.3	204.1
52.5°	158.5	157.7	157.7	158.0	158.8	160.0	161.1	164.7	171.7	182.0	190.8
55°	145.8	144.3	143.9	144.3	144.9	146.0	147.1	150.0	156.1	163.7	168.9
57.5°	131.7	130.9	130.4	130.5	130.8	131.7	132.5	135.7	140.5	144.5	147.8
60°	121.8	122.2	120.5	120.9	120.9	121.6	122.9	124.9	129.0	131.7	135.1
62.5°	112.5	112.0	111.5	111.0	111.0	111.3	113.0	114.6	118.1	119.5	122.1
65°	98.0	98.0	96.9	97.3	97.4	96.2	97.0	98.9	101.2	101.7	104.1
67.5°	83.3	82.8	82.1	81.6	81.6	81.5	82.0	82.9	84.5	84.8	86.6
70°	73.3	72.9	72.7	72.2	71.5	72.3	71.8	72.7	73.7	73.8	74.9
72.5°	63.5	63.1	62.8	62.3	61.9	61.9	61.9	63.0	63.6	63.4	64.6
75°	49.7	49.3	48.9	48.0	48.0	47.5	47.6	48.3	49.1	48.6	49.7
77.5°	36.4	35.3	35.3	35.5	34.9	35.0	34.8	34.7	35.0	35.0	36.0
80°	28.0	26.8	27.1	26.9	26.8	26.5	26.2	26.4	26.5	26.8	27.3
82.5°	20.2	20.1	19.7	19.7	19.5	19.0	18.9	19.2	19.3	19.3	19.6
85°	10.3	9.7	10.1	10.0	10.1	10.0	9.4	9.4	9.7	9.6	10.0
87.5°	8.2	8.0	7.3	6.8	6.1	5.6	5.0	4.7	4.4	3.9	3.7
90°	25.3	24.5	21.5	18.5	15.6	12.7	10.1	7.8	5.5	3.2	1.0
92.5°	27.5	26.1	23.8	21.6	19.4	17.2	16.4	17.0	17.7	18.3	18.9
95°	33.2	31.6	29.1	26.6	24.1	21.6	25.0	34.3	43.6	52.8	62.1
97.5°	34.6	32.8	49.1	65.4	81.7	98.0	108.2	112.4	116.5	120.7	124.8
100°	35.4	33.6	68.9	104.3	139.6	174.8	190.3	185.7	181.2	176.7	172.1
102.5°	61.4	67.0	105.6	144.2	182.8	221.3	239.0	235.7	232.4	229.2	225.9
105°	183.0	223.1	243.4	263.8	284.2	304.6	313.5	311.0	308.6	306.0	303.6
107.5°	379.5	408.8	405.7	402.4	399.3	396.0	393.4	391.4	389.4	387.5	385.5
110°	451.9	459.4	456.9	454.4	451.9	449.4	447.3	445.4	443.6	441.9	440.1



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	510.9	510.7	508.3	505.7	503.3	500.7	498.7	497.1	495.4	493.8	492.2
115°	586.9	584.7	582.7	580.6	578.5	576.6	574.8	573.5	572.1	570.8	569.4
117.5°	658.2	656.4	655.4	654.3	653.2	652.2	650.9	649.2	647.5	645.9	644.2
120°	704.6	702.8	702.2	701.5	700.8	700.1	698.8	696.7	694.7	692.7	690.6
122.5°	750.6	749.3	748.5	747.6	746.7	745.8	744.6	742.9	741.2	739.6	737.9
125°	815.3	814.9	814.0	813.1	812.1	811.3	809.9	808.1	806.3	804.5	802.6
127.5°	879.2	878.5	877.3	876.3	875.2	874.1	872.7	870.8	869.0	867.2	865.4
130°	917.7	916.7	915.8	915.0	914.0	913.1	911.8	910.0	908.2	906.3	904.5
132.5°	954.3	953.4	952.7	952.0	951.3	950.5	949.3	947.5	945.6	943.8	942.0
135°	1010.1	1009.5	1008.5	1007.7	1006.7	1005.8	1004.7	1003.3	1002.0	1000.6	999.3
137.5°	1059.2	1058.1	1057.6	1057.2	1056.6	1056.1	1055.0	1053.3	1051.6	1049.9	1048.1
140°	1090.8	1089.9	1089.3	1088.5	1087.9	1087.2	1086.2	1084.8	1083.5	1082.1	1080.8
142.5°	1120.8	1120.1	1119.4	1118.7	1118.0	1117.4	1116.3	1115.0	1113.6	1112.2	1110.9
145°	1162.7	1162.2	1161.8	1161.3	1160.9	1160.4	1159.4	1157.9	1156.3	1154.7	1153.1
147.5°	1200.0	1199.5	1199.0	1198.6	1198.2	1197.7	1197.0	1195.9	1194.8	1193.8	1192.8
150°	1222.8	1222.3	1221.9	1221.4	1221.0	1220.5	1220.0	1219.2	1218.6	1217.9	1217.3
152.5°	1242.7	1241.9	1241.6	1241.3	1241.1	1240.8	1240.5	1240.2	1239.8	1239.5	1239.2
155°	1270.3	1269.2	1269.0	1268.8	1268.5	1268.3	1268.4	1268.8	1269.3	1269.8	1270.2
157.5°	1294.3	1293.0	1293.2	1293.5	1293.7	1294.0	1294.0	1294.1	1294.2	1294.2	1294.3
160°	1308.2	1306.9	1307.1	1307.3	1307.6	1307.8	1308.0	1308.2	1308.4	1308.7	1308.9
162.5°	1320.6	1319.1	1319.3	1319.5	1319.8	1320.0	1320.4	1321.0	1321.6	1322.2	1322.8
165°	1337.2	1335.4	1335.6	1335.9	1336.1	1336.3	1336.7	1337.4	1338.1	1338.8	1339.5
167.5°	1350.3	1348.5	1348.5	1348.5	1348.5	1348.5	1348.8	1349.8	1350.7	1351.6	1352.5
170°	1357.6	1355.7	1355.7	1355.7	1355.7	1355.7	1356.2	1357.2	1358.0	1358.9	1359.9
172.5°	1362.5	1360.7	1360.5	1360.3	1360.1	1359.9	1360.4	1361.4	1362.6	1363.7	1364.8
175°	1368.6	1367.0	1366.8	1366.5	1366.3	1366.0	1366.5	1367.6	1368.8	1369.9	1371.0
177.5°	1370.9	1369.4	1369.2	1369.0	1368.9	1368.7	1369.0	1370.0	1370.9	1371.7	1372.7
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	383.3	384.0	386.5	388.3	390.4	391.6	392.7	393.6	394.8	395.1	399.3
5°	385.0	388.6	395.1	399.9	405.8	412.3	416.7	418.7	424.1	428.5	437.4
7.5°	384.5	392.4	402.1	412.3	423.0	433.1	441.8	452.2	459.5	470.6	481.4
10°	384.0	394.6	407.1	420.0	435.1	449.2	461.8	475.8	487.4	502.7	515.8
12.5°	382.7	395.5	412.9	428.2	446.6	465.9	484.5	502.5	512.8	538.3	550.3
15°	379.5	394.6	416.4	439.6	464.9	487.7	511.4	530.2	560.6	583.0	597.2
17.5°	373.2	394.3	420.2	448.2	479.0	509.1	535.9	564.4	596.8	623.8	652.6
20°	370.2	393.5	422.2	453.3	485.2	519.4	549.8	584.1	619.3	645.9	682.9
22.5°	364.7	391.1	422.1	456.6	490.8	526.1	561.7	596.4	637.1	673.7	708.8
25°	355.8	385.3	417.5	456.1	496.1	531.5	574.2	620.1	662.5	709.6	744.7
27.5°	346.4	378.0	410.1	446.0	489.1	531.2	584.8	636.7	688.6	729.2	755.2
30°	339.2	369.9	403.1	439.3	481.9	531.9	591.8	648.5	699.1	734.0	748.5
32.5°	331.4	362.4	391.8	429.8	475.2	531.4	596.3	655.5	699.7	722.9	720.0
35°	319.1	345.1	373.8	410.3	463.7	528.1	598.9	656.1	683.2	678.2	640.6
37.5°	301.3	323.3	351.4	391.4	450.5	521.3	593.7	636.6	634.9	594.3	539.7
40°	290.3	309.0	336.0	378.1	440.1	516.9	585.6	613.5	589.9	533.1	467.9
42.5°	275.8	293.0	320.1	363.4	428.8	507.9	570.1	578.1	532.0	466.8	406.9
45°	253.4	268.5	296.6	341.3	411.7	488.3	532.3	512.5	450.3	382.9	337.4
47.5°	229.3	245.0	272.0	317.9	387.1	458.8	479.7	437.8	373.9	319.2	277.4
50°	214.0	229.2	255.6	301.9	370.4	434.6	443.3	389.0	330.3	282.3	248.0
52.5°	198.8	212.9	238.9	285.4	350.9	406.5	401.2	345.9	292.0	251.0	224.1
55°	175.9	189.3	214.0	257.6	317.3	361.3	342.0	289.2	244.5	212.8	192.3
57.5°	155.4	168.3	189.6	229.0	280.8	311.2	286.5	242.0	206.5	182.0	166.8
60°	141.6	153.0	173.3	209.8	254.8	277.9	253.6	214.3	184.3	164.8	151.1
62.5°	128.4	138.4	157.2	190.4	229.5	248.8	224.2	190.9	165.5	148.1	136.5
65°	108.5	117.6	134.2	160.0	192.1	205.0	183.8	156.9	137.1	124.2	116.5
67.5°	90.4	98.1	112.4	132.7	156.4	165.7	149.6	128.7	113.8	103.5	97.4
70°	78.3	84.9	96.2	113.7	135.1	142.3	127.1	110.0	99.1	90.8	85.1
72.5°	68.0	73.0	83.2	96.7	114.5	120.3	109.7	94.7	84.5	78.3	73.7
75°	51.9	55.9	62.6	73.4	85.8	89.1	81.2	71.8	65.0	60.5	57.0
77.5°	37.4	40.4	45.2	51.9	60.4	63.5	58.5	52.1	47.1	44.2	42.2
80°	28.2	30.7	34.7	40.2	45.4	47.1	44.1	39.3	35.8	34.1	32.5
82.5°	20.8	22.2	24.6	28.4	31.9	33.9	31.4	28.5	26.6	25.1	24.5
85°	10.5	11.2	12.4	13.9	16.1	16.8	15.8	15.1	14.0	13.1	13.1
87.5°	4.5	4.9	5.9	6.6	7.7	8.7	9.2	9.5	9.9	10.0	10.0
90°	3.2	5.5	7.8	10.1	12.7	15.6	18.5	21.5	24.5	25.3	26.2
92.5°	18.3	17.7	17.0	16.4	17.2	19.4	21.6	23.8	26.1	27.5	29.0
95°	52.8	43.6	34.3	25.0	21.6	24.1	26.6	29.1	31.6	33.2	34.8
97.5°	120.7	116.5	112.4	108.2	98.0	81.7	65.4	49.1	32.8	34.6	36.4
100°	176.7	181.2	185.7	190.3	174.8	139.6	104.3	68.9	33.6	35.4	37.2
102.5°	229.2	232.4	235.7	239.0	221.3	182.8	144.2	105.6	67.0	61.4	55.8
105°	306.0	308.6	311.0	313.5	304.6	284.2	263.8	243.4	223.1	183.0	142.9
107.5°	387.5	389.4	391.4	393.4	396.0	399.3	402.4	405.7	408.8	379.5	350.1
110°	441.9	443.6	445.4	447.3	449.4	451.9	454.4	456.9	459.4	451.9	444.4



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	493.8	495.4	497.1	498.7	500.7	503.3	505.7	508.3	510.7	510.9	511.0
115°	570.8	572.1	573.5	574.8	576.6	578.5	580.6	582.7	584.7	586.9	589.2
117.5°	645.9	647.5	649.2	650.9	652.2	653.2	654.3	655.4	656.4	658.2	660.0
120°	692.7	694.7	696.7	698.8	700.1	700.8	701.5	702.2	702.8	704.6	706.5
122.5°	739.6	741.2	742.9	744.6	745.8	746.7	747.6	748.5	749.3	750.6	751.9
125°	804.5	806.3	808.1	809.9	811.3	812.1	813.1	814.0	814.9	815.3	815.8
127.5°	867.2	869.0	870.8	872.7	874.1	875.2	876.3	877.3	878.5	879.2	879.9
130°	906.3	908.2	910.0	911.8	913.1	914.0	915.0	915.8	916.7	917.7	918.5
132.5°	943.8	945.6	947.5	949.3	950.5	951.3	952.0	952.7	953.4	954.3	955.2
135°	1000.6	1002.0	1003.3	1004.7	1005.8	1006.7	1007.7	1008.5	1009.5	1010.1	1010.8
137.5°	1049.9	1051.6	1053.3	1055.0	1056.1	1056.6	1057.2	1057.6	1058.1	1059.2	1060.3
140°	1082.1	1083.5	1084.8	1086.2	1087.2	1087.9	1088.5	1089.3	1089.9	1090.8	1091.7
142.5°	1112.2	1113.6	1115.0	1116.3	1117.4	1118.0	1118.7	1119.4	1120.1	1120.8	1121.5
145°	1154.7	1156.3	1157.9	1159.4	1160.4	1160.9	1161.3	1161.8	1162.2	1162.7	1163.2
147.5°	1193.8	1194.8	1195.9	1197.0	1197.7	1198.2	1198.6	1199.0	1199.5	1200.0	1200.4
150°	1217.9	1218.6	1219.2	1220.0	1220.5	1221.0	1221.4	1221.9	1222.3	1222.8	1223.2
152.5°	1239.5	1239.8	1240.2	1240.5	1240.8	1241.1	1241.3	1241.6	1241.9	1242.7	1243.5
155°	1269.8	1269.3	1268.8	1268.4	1268.3	1268.5	1268.8	1269.0	1269.2	1270.3	1271.5
157.5°	1294.2	1294.2	1294.1	1294.0	1294.0	1293.7	1293.5	1293.2	1293.0	1294.3	1295.8
160°	1308.7	1308.4	1308.2	1308.0	1307.8	1307.6	1307.3	1307.1	1306.9	1308.2	1309.6
162.5°	1322.2	1321.6	1321.0	1320.4	1320.0	1319.8	1319.5	1319.3	1319.1	1320.6	1322.2
165°	1338.8	1338.1	1337.4	1336.7	1336.3	1336.1	1335.9	1335.6	1335.4	1337.2	1339.0
167.5°	1351.6	1350.7	1349.8	1348.8	1348.5	1348.5	1348.5	1348.5	1348.5	1350.3	1352.1
170°	1358.9	1358.0	1357.2	1356.2	1355.7	1355.7	1355.7	1355.7	1355.7	1357.6	1359.4
172.5°	1363.7	1362.6	1361.4	1360.4	1359.9	1360.1	1360.3	1360.5	1360.7	1362.5	1364.3
175°	1369.9	1368.8	1367.6	1366.5	1366.0	1366.3	1366.5	1366.8	1367.0	1368.6	1370.2
177.5°	1371.7	1370.9	1370.0	1369.0	1368.7	1368.9	1369.0	1369.2	1369.4	1370.9	1372.3
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	400.8	401.0	402.6	403.8	403.2	403.9	404.3
5°	437.9	444.6	448.1	450.7	450.8	451.1	452.5
7.5°	490.5	497.6	502.9	510.8	513.1	515.8	515.1
10°	528.9	539.5	548.5	553.3	558.5	566.0	559.9
12.5°	564.8	583.4	597.2	604.7	609.5	611.0	608.1
15°	624.0	648.3	661.4	661.1	677.6	684.8	673.6
17.5°	678.2	700.7	718.7	727.9	741.8	744.8	743.5
20°	711.5	736.0	750.0	765.9	773.1	779.5	780.6
22.5°	740.1	762.2	777.2	790.4	796.4	799.5	801.3
25°	769.6	787.0	796.0	800.6	802.2	801.8	799.5
27.5°	767.5	768.9	758.9	749.2	740.4	730.6	727.1
30°	747.6	732.1	704.4	688.7	665.7	647.4	654.8
32.5°	695.2	664.3	633.3	599.0	570.6	562.5	554.4
35°	593.3	539.1	507.3	470.4	455.7	440.9	430.7
37.5°	480.0	438.1	400.4	376.3	361.5	352.1	347.1
40°	415.0	377.2	346.2	326.6	315.4	304.9	303.4
42.5°	363.2	328.0	304.8	289.1	278.4	273.9	270.6
45°	297.5	273.0	257.3	246.2	239.0	236.2	232.5
47.5°	251.8	234.5	222.7	215.2	209.7	207.6	207.4
50°	226.2	211.8	203.2	197.3	193.1	192.3	189.3
52.5°	207.1	194.6	187.8	182.7	179.6	177.5	176.7
55°	179.7	171.4	165.3	162.4	160.0	158.0	158.0
57.5°	157.2	150.4	146.3	143.8	143.1	141.6	140.7
60°	143.4	137.5	134.4	132.1	130.6	130.9	129.2
62.5°	129.8	126.0	122.9	120.8	119.0	119.1	119.1
65°	110.5	107.6	105.4	104.6	103.5	102.3	102.6
67.5°	93.7	90.9	89.2	87.9	87.5	86.8	87.9
70°	81.6	79.5	78.3	77.2	76.8	76.9	77.9
72.5°	70.5	69.1	68.2	67.7	66.9	66.9	67.6
75°	55.4	54.3	53.6	53.0	52.8	52.8	52.8
77.5°	40.6	40.4	40.1	39.3	39.3	39.5	39.5
80°	32.1	31.5	31.4	31.0	30.4	30.1	31.0
82.5°	24.0	23.4	23.3	23.2	22.3	22.3	23.1
85°	12.9	12.4	12.5	12.4	12.4	12.2	12.2
87.5°	10.0	10.1	10.1	10.3	10.2	10.1	10.5
90°	27.2	28.0	28.8	29.2	29.6	30.1	30.6
92.5°	30.4	31.8	32.7	33.0	33.3	33.5	33.8
95°	36.4	37.9	38.7	38.7	38.7	38.7	38.7
97.5°	38.3	40.0	41.0	41.3	41.5	41.7	42.0
100°	39.1	40.9	41.9	42.1	42.3	42.5	42.8
102.5°	50.1	44.6	42.0	42.4	42.8	43.2	43.6
105°	102.9	62.8	43.0	43.5	43.9	44.4	44.8
107.5°	320.8	291.4	261.6	231.4	201.1	171.0	140.8
110°	437.0	429.5	409.6	377.2	344.8	312.5	280.1



TEST NUMBER: P332108-927

CATALOG NUMBER: S123DIW-S340D1320U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	511.1	511.3	507.9	501.1	494.2	487.4	480.6
115°	591.4	593.7	595.3	596.2	597.1	598.0	599.0
117.5°	661.8	663.6	664.6	664.8	665.0	665.2	665.4
120°	708.3	710.1	711.0	711.0	711.0	711.0	711.0
122.5°	753.1	754.4	755.1	755.3	755.4	755.7	755.8
125°	816.3	816.7	817.1	817.6	818.1	818.5	819.0
127.5°	880.6	881.4	881.5	881.1	880.6	880.1	879.6
130°	919.5	920.4	920.6	920.1	919.7	919.2	918.8
132.5°	956.2	957.0	957.2	956.6	955.9	955.3	954.7
135°	1011.5	1012.2	1012.2	1011.5	1010.8	1010.1	1009.5
137.5°	1061.4	1062.5	1062.8	1062.3	1061.9	1061.4	1061.0
140°	1092.7	1093.5	1093.8	1093.3	1092.8	1092.4	1091.9
142.5°	1122.2	1123.0	1123.0	1122.4	1121.7	1121.1	1120.5
145°	1163.6	1164.0	1164.3	1164.3	1164.3	1164.3	1164.3
147.5°	1200.9	1201.3	1201.0	1200.0	1199.0	1197.9	1196.8
150°	1223.7	1224.2	1224.0	1223.4	1222.7	1222.0	1221.3
152.5°	1244.4	1245.2	1245.1	1244.0	1242.9	1241.9	1240.9
155°	1272.6	1273.7	1273.6	1272.2	1270.9	1269.6	1268.2
157.5°	1297.1	1298.5	1298.2	1296.5	1294.7	1292.9	1291.2
160°	1311.0	1312.3	1312.2	1310.6	1309.0	1307.4	1305.8
162.5°	1323.7	1325.2	1325.3	1323.9	1322.5	1321.1	1319.7
165°	1340.8	1342.7	1342.7	1341.2	1339.6	1338.0	1336.4
167.5°	1353.8	1355.7	1355.7	1353.8	1352.1	1350.3	1348.5
170°	1361.2	1363.0	1363.0	1361.2	1359.4	1357.6	1355.7
172.5°	1366.1	1367.9	1367.8	1365.8	1363.8	1361.8	1359.9
175°	1371.7	1373.3	1373.2	1371.4	1369.6	1367.8	1366.0
177.5°	1373.8	1375.2	1375.1	1373.2	1371.4	1369.6	1367.8
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0

(END OF REPORT)