

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: P332139-927

Luminaire Tested: **S123DIW-S560D1320U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332139-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S560D1320U927-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1320 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5517.8 lumens
Efficiency: N/A
Efficacy: 102.6 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

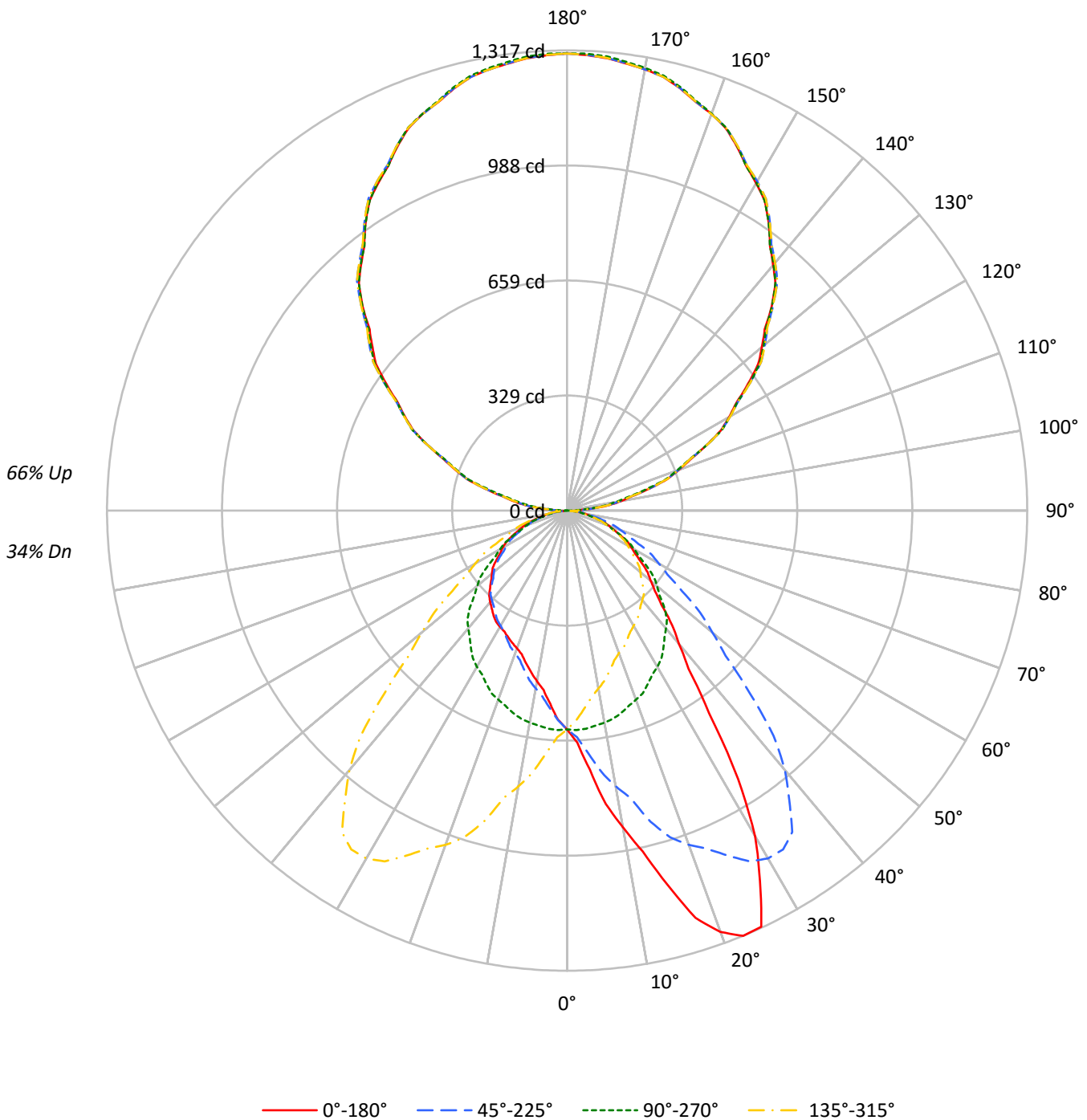
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	94	90	87	83	85	82	79	76	66	63	61	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	62	54	48	65	56	49	44	45	41	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	36	32	32	28	26	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	20	17	15	12
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6740	6740	6740	6740
5°	8038	6769	5999	6769
10°	10061	6735	5418	6735
15°	12340	6681	5045	6681
20°	14701	6596	4803	6596
25°	15610	6494	4749	6494
30°	13380	6418	4774	6418
35°	9305	6311	4824	6311
40°	7009	6185	4808	6185
45°	5820	5999	4748	5999
50°	5213	5620	4706	5620
55°	4874	5210	4647	5210
60°	4573	4781	4598	4781
65°	4297	4358	4452	4358
70°	4028	3877	4239	3877
75°	3606	3394	3889	3394
80°	3155	2783	3347	2783
85°	2470	2025	2248	2025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.1
10°-20°	197.8	3.6
20°-30°	332.0	6.0
30°-40°	375.9	6.8
40°-50°	337.1	6.1
50°-60°	272.0	4.9
60°-70°	189.6	3.4
70°-80°	99.6	1.8
80°-90°	28.2	0.5
90°-100°	85.2	1.5
100°-110°	255.0	4.6
110°-120°	433.8	7.9
120°-130°	570.5	10.3
130°-140°	641.3	11.6
140°-150°	630.4	11.4
150°-160°	530.7	9.6
160°-170°	353.3	6.4
170°-180°	123.7	2.2
0°-30°	591.5	10.7
0°-40°	967.4	17.5
0°-60°	1576.5	28.6
0°-90°	1893.9	34.3
90°-120°	774.0	14.0
90°-150°	2616.2	47.4
90°-180°	3624.0	65.7
0°-180°	5517.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	626	626	626	626	626	
5°	744	626	555	626	744	77
15°	1107	600	453	600	1107	320
25°	1314	547	400	547	1314	576
35°	708	480	367	480	708	460
45°	382	394	312	394	382	303
55°	260	278	248	278	260	233
65°	169	171	175	171	169	168
75°	87	82	94	82	87	93
85°	20	16	18	16	20	25
90°	31	1	31	1	31	16
95°	80	61	80	61	80	82
105°	244	231	244	231	244	259
115°	438	437	438	437	438	433
125°	632	639	632	639	632	565
135°	828	829	828	829	828	637
145°	1006	1006	1006	1006	1006	628
155°	1150	1152	1150	1152	1150	529
165°	1250	1254	1250	1254	1250	353
175°	1300	1305	1300	1305	1300	123
180°	1308	1308	1308	1308	1308	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	664.6	664.1	662.9	663.8	661.9	659.3	659.0	656.6	649.5	649.0	647.1
5°	743.9	741.5	741.2	740.9	736.7	730.9	719.9	719.1	704.5	697.2	688.4
7.5°	846.8	848.0	843.6	839.7	826.7	818.2	806.4	791.5	773.6	755.4	743.3
10°	920.5	930.5	918.1	909.6	901.7	886.8	869.6	848.0	826.5	801.3	782.2
12.5°	999.7	1004.6	1002.1	994.0	981.8	959.2	928.5	904.8	884.9	843.0	826.1
15°	1107.4	1125.9	1114.1	1086.8	1087.4	1065.9	1025.8	981.8	958.5	921.7	871.6
17.5°	1222.3	1224.6	1219.5	1196.7	1181.5	1152.0	1115.0	1072.9	1025.5	981.1	928.0
20°	1283.4	1281.6	1271.0	1259.1	1233.0	1210.0	1169.6	1122.6	1061.9	1018.2	960.3
22.5°	1317.4	1314.3	1309.3	1299.4	1277.7	1252.9	1216.7	1165.3	1107.6	1047.3	980.4
25°	1314.3	1318.3	1318.9	1316.1	1308.6	1293.7	1265.2	1224.2	1166.6	1089.3	1019.5
27.5°	1195.4	1200.9	1217.2	1231.6	1247.7	1264.0	1261.9	1241.5	1198.9	1132.0	1046.7
30°	1076.5	1064.3	1094.4	1132.3	1158.1	1203.6	1229.1	1230.6	1206.7	1149.3	1066.1
32.5°	911.4	924.8	938.0	984.7	1041.1	1092.2	1142.9	1183.8	1188.4	1150.2	1077.5
35°	708.1	724.8	749.1	773.4	834.1	886.2	975.4	1053.1	1115.0	1123.2	1078.6
37.5°	570.6	578.9	594.2	618.5	658.2	720.2	789.2	887.3	977.0	1043.7	1046.6
40°	498.8	501.2	518.5	537.0	569.2	620.1	682.4	769.1	876.5	969.7	1008.5
42.5°	444.9	450.3	457.6	475.4	501.0	539.3	597.1	668.9	767.3	874.5	950.5
45°	382.3	388.3	392.9	404.7	422.9	448.7	489.1	554.6	629.5	740.3	842.6
47.5°	340.9	341.4	344.8	353.7	366.1	385.5	414.0	456.1	524.9	614.7	719.7
50°	311.3	316.2	317.3	324.3	334.1	348.3	372.0	407.7	464.2	543.1	639.6
52.5°	290.4	291.8	295.2	300.3	308.8	319.9	340.4	368.4	412.7	480.0	568.7
55°	259.7	259.7	263.1	267.0	271.9	281.9	295.5	316.2	349.8	402.0	475.5
57.5°	231.3	232.8	235.2	236.4	240.5	247.2	258.6	274.3	299.4	339.5	397.9
60°	212.4	215.1	214.8	217.2	220.9	226.0	235.8	248.5	270.9	303.1	352.3
62.5°	195.9	195.7	195.7	198.5	202.2	207.1	213.4	224.4	243.5	272.0	313.9
65°	168.7	168.1	170.2	172.1	173.3	176.9	181.7	191.5	204.2	225.5	257.9
67.5°	144.6	142.8	143.9	144.6	146.6	149.5	154.0	160.0	170.2	187.2	211.7
70°	128.0	126.5	126.2	126.8	128.7	130.8	134.1	139.9	149.2	163.0	180.9
72.5°	111.1	110.0	110.0	111.3	112.2	113.5	115.9	121.2	128.7	138.9	155.6
75°	86.7	86.7	86.7	87.1	88.0	89.2	91.0	93.7	99.5	106.8	118.0
77.5°	65.0	65.0	64.6	64.6	65.9	66.5	66.9	69.4	72.6	77.6	85.7
80°	50.9	49.4	50.1	50.9	51.6	51.9	52.8	53.4	56.2	58.9	64.6
82.5°	37.9	36.6	36.7	38.1	38.3	38.5	39.5	40.3	41.4	43.8	46.9
85°	20.0	20.0	20.4	20.4	20.6	20.4	21.2	21.5	21.5	23.1	24.9
87.5°	13.5	12.8	13.0	13.2	12.8	12.9	13.0	13.1	13.2	13.2	12.8
90°	30.8	30.3	29.9	29.5	29.0	28.3	27.4	26.5	25.6	24.6	21.7
92.5°	41.5	41.7	42.1	42.3	42.6	42.4	41.7	40.9	40.2	39.5	37.8
95°	80.2	80.2	80.2	80.2	80.2	79.7	78.7	77.9	76.9	76.0	74.2
97.5°	123.3	123.4	123.5	123.6	123.7	123.2	122.2	121.0	120.0	119.0	117.6
100°	156.1	155.7	155.3	154.8	154.3	153.8	153.0	152.4	151.7	151.1	149.9
102.5°	189.9	190.0	190.0	190.1	190.2	190.0	189.3	188.5	187.9	187.2	185.7
105°	244.5	244.1	243.6	243.2	242.7	242.5	242.5	242.5	242.5	242.5	240.4
107.5°	301.4	301.7	302.0	302.3	302.5	302.3	301.6	300.9	300.2	299.4	298.6
110°	340.1	340.6	341.0	341.4	341.9	341.7	340.8	339.8	339.0	338.0	337.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	381.2	381.3	381.4	381.4	381.5	381.0	379.9	378.8	377.8	376.7	376.6
115°	437.7	437.9	438.2	438.4	438.6	438.6	438.4	438.2	437.9	437.7	438.2
117.5°	495.0	495.7	496.3	496.9	497.6	497.9	498.0	498.0	498.0	498.1	498.7
120°	535.3	535.8	536.2	536.7	537.1	537.5	537.7	537.9	538.1	538.4	539.6
122.5°	573.9	574.6	575.2	575.8	576.5	577.1	577.7	578.3	578.8	579.5	580.0
125°	631.8	632.8	633.7	634.6	635.6	636.4	637.4	638.3	639.2	640.1	640.6
127.5°	689.6	690.7	691.7	692.8	693.8	695.0	696.2	697.5	698.8	700.1	700.6
130°	727.5	729.0	730.6	732.2	733.8	735.1	736.0	736.9	737.8	738.7	739.4
132.5°	766.9	768.1	769.4	770.6	771.8	773.0	774.0	775.2	776.3	777.4	777.8
135°	828.1	828.5	829.0	829.5	830.0	830.6	831.6	832.4	833.4	834.2	834.5
137.5°	882.2	883.0	883.9	884.8	885.7	886.5	887.5	888.4	889.4	890.4	889.8
140°	917.5	919.1	920.7	922.3	923.9	924.8	925.0	925.3	925.5	925.7	925.5
142.5°	953.7	954.9	956.2	957.4	958.6	959.3	959.6	959.8	960.0	960.3	959.8
145°	1005.8	1006.8	1007.7	1008.6	1009.6	1010.1	1010.3	1010.5	1010.7	1011.0	1010.3
147.5°	1052.3	1053.7	1055.0	1056.5	1057.8	1058.4	1058.4	1058.4	1058.4	1058.4	1057.8
150°	1081.9	1083.2	1084.7	1086.0	1087.3	1088.1	1088.1	1088.1	1088.1	1088.1	1087.6
152.5°	1110.6	1111.8	1113.0	1114.2	1115.4	1115.8	1115.5	1115.1	1114.8	1114.4	1114.1
155°	1149.7	1151.3	1152.9	1154.5	1156.1	1156.4	1155.6	1154.6	1153.7	1152.8	1152.5
157.5°	1185.3	1186.5	1187.8	1189.1	1190.3	1190.6	1189.5	1188.6	1187.6	1186.7	1186.5
160°	1208.2	1209.2	1210.1	1211.0	1212.0	1211.8	1210.7	1209.5	1208.4	1207.2	1207.2
162.5°	1225.5	1227.0	1228.4	1229.9	1231.4	1231.5	1230.4	1229.2	1228.1	1226.9	1226.8
165°	1250.4	1252.0	1253.6	1255.2	1256.8	1256.9	1255.5	1254.2	1252.8	1251.4	1251.4
167.5°	1271.5	1273.0	1274.4	1275.8	1277.2	1277.2	1275.8	1274.4	1273.0	1271.5	1271.4
170°	1282.2	1283.8	1285.5	1287.1	1288.6	1288.6	1287.1	1285.5	1283.8	1282.2	1282.2
172.5°	1290.5	1292.0	1293.6	1295.3	1296.9	1297.0	1295.5	1294.1	1292.7	1291.3	1291.3
175°	1299.7	1301.3	1302.9	1304.5	1306.1	1306.2	1304.9	1303.5	1302.1	1300.8	1300.8
177.5°	1304.6	1305.9	1307.2	1308.4	1309.8	1309.9	1308.8	1307.7	1306.5	1305.4	1305.4
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	645.6	643.7	641.7	638.3	635.4	631.3	630.1	628.7	624.3	620.4	617.5
5°	685.1	677.8	667.2	657.4	649.6	639.0	632.9	626.5	617.4	609.3	602.5
7.5°	726.4	712.0	695.5	677.7	661.1	645.0	632.1	620.6	607.8	595.7	586.4
10°	759.1	738.5	715.4	690.5	669.3	648.6	631.4	616.2	599.8	585.6	573.7
12.5°	796.5	765.9	734.1	703.9	678.7	650.1	629.2	609.9	591.4	574.2	560.9
15°	840.7	801.9	764.3	722.7	684.4	648.6	623.8	599.5	578.0	560.4	543.4
17.5°	881.0	837.0	787.4	736.9	690.8	648.3	613.5	586.1	559.1	537.6	520.6
20°	903.8	853.7	797.6	745.1	694.2	646.8	608.6	575.8	546.8	523.9	504.9
22.5°	923.5	864.9	806.8	750.8	694.0	642.9	599.7	565.9	534.3	512.1	491.8
25°	943.9	873.8	815.6	749.7	686.3	633.5	584.9	546.8	515.2	489.1	468.2
27.5°	961.4	873.2	804.1	733.2	674.3	621.4	569.6	528.5	495.0	466.7	445.4
30°	973.0	874.4	792.2	722.1	662.7	608.0	557.6	516.4	481.2	452.3	432.4
32.5°	980.3	873.7	781.3	706.5	644.2	595.9	544.8	502.1	465.9	437.6	418.3
35°	984.5	868.3	762.5	674.5	614.4	567.4	524.6	480.3	442.4	416.0	394.1
37.5°	976.0	857.1	740.6	643.5	577.7	531.5	495.4	457.7	421.4	392.4	373.5
40°	962.7	849.9	723.6	621.7	552.5	507.9	477.3	440.2	404.4	376.8	359.3
42.5°	937.2	835.0	705.0	597.4	526.2	481.6	453.4	422.6	388.6	362.7	345.2
45°	875.0	802.8	676.9	561.0	487.6	441.5	416.6	394.1	363.5	338.3	323.1
47.5°	788.7	754.3	636.4	522.6	447.2	402.8	376.9	358.9	336.4	316.2	301.6
50°	728.8	714.5	609.0	496.4	420.2	376.8	352.0	335.6	319.5	299.1	285.8
52.5°	659.6	668.4	576.9	469.2	392.8	350.1	326.7	313.7	299.1	282.4	270.8
55°	562.2	594.1	521.6	423.6	352.0	311.3	289.1	277.6	269.1	256.7	246.7
57.5°	471.0	511.5	461.7	376.5	311.8	276.8	255.6	243.0	237.5	231.0	223.2
60°	416.8	456.9	419.0	345.0	284.9	251.5	232.7	222.1	216.7	212.1	205.4
62.5°	368.6	409.1	377.2	312.9	258.4	227.5	211.1	200.7	196.5	194.1	188.4
65°	302.2	337.1	315.8	263.1	220.5	193.3	178.4	171.1	167.2	166.3	162.6
67.5°	246.0	272.5	257.1	218.2	184.7	161.1	148.5	142.4	139.3	139.0	136.3
70°	209.1	233.9	222.1	186.9	158.0	139.6	128.7	123.2	121.4	121.0	119.5
72.5°	180.4	197.7	188.4	159.0	136.7	119.9	111.9	106.2	104.1	104.6	103.5
75°	133.5	146.6	141.1	120.7	102.8	91.9	85.2	81.6	79.8	80.7	79.5
77.5°	96.1	104.3	99.4	85.3	74.3	66.4	61.5	59.3	57.6	57.5	57.0
80°	72.5	77.4	74.6	66.1	57.0	50.4	46.4	44.9	44.0	43.7	43.4
82.5°	51.7	55.8	52.5	46.7	40.6	36.5	34.3	32.3	31.6	31.8	31.5
85°	26.1	27.6	26.4	22.7	20.4	18.5	17.3	16.4	15.8	16.1	15.4
87.5°	12.8	12.4	11.1	9.6	8.6	7.4	7.0	6.0	6.0	6.5	6.7
90°	18.7	15.8	12.8	10.1	7.8	5.6	3.3	1.0	3.3	5.6	7.8
92.5°	36.0	34.4	32.7	31.1	29.5	28.0	26.4	24.9	26.4	28.0	29.5
95°	72.4	70.6	68.8	67.0	65.4	63.8	62.2	60.6	62.2	63.8	65.4
97.5°	116.3	115.0	113.7	112.4	111.2	110.0	108.8	107.7	108.8	110.0	111.2
100°	148.8	147.6	146.5	145.2	143.9	142.4	141.1	139.7	141.1	142.4	143.9
102.5°	184.2	182.7	181.2	180.0	179.2	178.4	177.5	176.7	177.5	178.4	179.2
105°	238.4	236.3	234.2	233.0	232.5	232.1	231.6	231.2	231.6	232.1	232.5
107.5°	297.8	296.9	296.1	295.6	295.3	295.0	294.8	294.5	294.8	295.0	295.3
110°	337.2	336.7	336.2	335.7	335.3	334.9	334.4	333.9	334.4	334.9	335.3



TEST NUMBER: P332139-927

CATALOG NUMBER: S123DIW-S560D1320U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	376.4	376.4	376.3	376.1	375.8	375.6	375.3	375.0	375.3	375.6	375.8
115°	438.6	439.0	439.5	439.4	438.7	438.0	437.4	436.7	437.4	438.0	438.7
117.5°	499.3	499.9	500.5	500.6	500.1	499.6	499.2	498.8	499.2	499.6	500.1
120°	540.7	541.8	543.0	542.8	541.5	540.1	538.7	537.3	538.7	540.1	541.5
122.5°	580.7	581.2	581.9	581.6	580.7	579.6	578.6	577.7	578.6	579.6	580.7
125°	641.0	641.4	641.9	641.8	641.1	640.4	639.8	639.1	639.8	640.4	641.1
127.5°	701.1	701.6	702.1	701.6	700.1	698.7	697.3	695.8	697.3	698.7	700.1
130°	740.1	740.8	741.5	740.9	739.1	737.3	735.4	733.6	735.4	737.3	739.1
132.5°	778.4	778.9	779.3	778.7	776.9	775.1	773.2	771.4	773.2	775.1	776.9
135°	834.7	835.0	835.2	834.6	833.2	831.9	830.5	829.2	830.5	831.9	833.2
137.5°	889.2	888.6	888.0	887.2	886.0	884.9	883.7	882.6	883.7	884.9	886.0
140°	925.3	925.0	924.8	924.2	923.0	921.9	920.7	919.6	920.7	921.9	923.0
142.5°	959.4	959.0	958.6	957.8	956.7	955.5	954.4	953.2	954.4	955.5	956.7
145°	1009.6	1008.9	1008.3	1007.7	1007.3	1006.8	1006.3	1005.8	1006.3	1006.8	1007.3
147.5°	1057.2	1056.5	1055.9	1055.2	1054.4	1053.5	1052.7	1051.9	1052.7	1053.5	1054.4
150°	1087.1	1086.7	1086.2	1085.8	1085.3	1084.9	1084.4	1083.9	1084.4	1084.9	1085.3
152.5°	1113.8	1113.6	1113.3	1112.8	1112.1	1111.5	1110.9	1110.2	1110.9	1111.5	1112.1
155°	1152.3	1152.1	1151.9	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8	1151.8
157.5°	1186.3	1186.1	1186.0	1186.0	1186.3	1186.5	1186.8	1187.1	1186.8	1186.5	1186.3
160°	1207.2	1207.2	1207.2	1207.4	1207.9	1208.4	1208.9	1209.3	1208.9	1208.4	1207.9
162.5°	1226.6	1226.5	1226.2	1226.5	1227.1	1227.7	1228.4	1229.0	1228.4	1227.7	1227.1
165°	1251.4	1251.4	1251.4	1251.8	1252.4	1253.2	1253.8	1254.5	1253.8	1253.2	1252.4
167.5°	1271.2	1271.0	1270.8	1271.2	1272.1	1273.0	1273.9	1274.9	1273.9	1273.0	1272.1
170°	1282.2	1282.2	1282.2	1282.7	1283.7	1284.5	1285.5	1286.3	1285.5	1284.5	1283.7
172.5°	1291.3	1291.3	1291.3	1291.7	1292.7	1293.6	1294.5	1295.4	1294.5	1293.6	1292.7
175°	1300.8	1300.8	1300.8	1301.2	1302.1	1303.1	1303.9	1304.9	1303.9	1303.1	1302.1
177.5°	1305.4	1305.4	1305.4	1305.8	1306.5	1307.3	1308.1	1308.8	1308.1	1307.3	1306.5
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0



TEST NUMBER: P332139-927

CATALOG NUMBER: S123DIW-S560D1320U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	615.8	614.1	611.6	608.0	605.1	600.5	600.5	601.2	601.2	600.9	600.5
5°	597.1	592.6	587.1	580.7	574.0	567.4	566.2	563.7	561.9	560.7	559.2
7.5°	577.3	569.3	561.3	552.5	544.3	537.6	532.9	529.0	526.5	523.9	521.9
10°	564.0	554.0	544.6	535.2	524.9	516.7	511.5	507.9	505.2	502.7	501.5
12.5°	548.3	536.8	526.4	517.5	506.2	497.7	492.8	491.2	487.9	482.8	480.1
15°	525.2	514.6	502.2	488.5	483.0	472.7	466.9	464.2	462.4	458.4	457.2
17.5°	505.5	491.5	477.6	467.4	457.2	448.9	445.7	442.3	439.9	436.7	435.7
20°	489.7	477.3	464.5	453.6	443.0	433.9	431.1	428.7	426.3	424.8	423.6
22.5°	473.6	461.2	450.7	440.5	429.1	423.2	420.2	417.6	415.8	414.8	413.6
25°	451.1	440.2	428.4	419.3	410.2	406.2	404.4	402.9	401.7	400.2	399.9
27.5°	431.0	419.1	409.6	401.0	394.5	391.2	389.4	388.7	389.0	389.5	389.8
30°	416.0	405.0	397.1	389.8	383.8	380.8	380.5	380.5	381.7	382.0	382.6
32.5°	402.1	393.2	385.2	378.2	373.6	371.5	372.7	372.7	373.7	374.5	375.6
35°	382.0	374.1	368.0	361.9	358.0	358.9	359.5	360.1	361.6	363.5	364.7
37.5°	362.7	355.9	349.6	344.8	343.0	344.7	346.1	347.4	349.2	350.5	351.7
40°	348.9	343.7	337.7	333.4	334.1	334.9	336.2	337.7	339.2	340.1	341.4
42.5°	336.0	330.7	326.1	322.5	323.4	324.6	325.3	326.1	327.8	329.5	330.2
45°	316.5	312.2	307.9	305.9	306.4	307.0	307.7	308.6	310.1	311.3	311.6
47.5°	294.5	291.4	288.6	286.5	287.5	287.2	288.0	290.0	290.5	291.2	292.9
50°	280.4	277.6	274.3	273.7	273.7	273.7	273.9	276.4	276.4	277.6	278.8
52.5°	264.8	263.1	260.9	259.8	259.4	259.4	260.6	261.8	262.3	264.0	265.2
55°	241.8	240.0	238.2	237.3	236.6	237.3	239.7	240.3	241.8	242.7	243.6
57.5°	217.9	216.4	215.0	214.5	214.4	215.2	216.5	218.3	218.7	221.5	222.8
60°	202.1	199.9	198.8	198.8	198.1	200.8	200.3	203.3	203.9	205.7	207.9
62.5°	185.8	182.9	182.4	182.4	183.3	184.1	185.0	186.3	187.9	190.2	191.8
65°	159.6	158.0	160.2	159.9	159.3	161.1	161.1	162.6	164.5	166.6	169.9
67.5°	134.8	134.0	134.2	134.2	135.1	136.1	137.0	138.3	140.5	142.8	144.9
70°	118.0	118.9	117.4	118.7	119.5	119.9	120.4	122.2	124.7	126.2	128.7
72.5°	101.8	101.7	101.9	102.3	103.3	103.9	104.4	106.5	109.2	110.4	112.4
75°	78.3	78.0	78.9	78.9	80.4	81.0	81.6	82.5	84.9	86.7	88.3
77.5°	57.2	57.5	57.4	58.4	58.0	58.1	60.0	60.8	61.1	64.7	65.5
80°	43.1	43.7	44.0	44.3	44.6	44.0	46.1	47.1	47.1	49.1	50.7
82.5°	31.0	31.3	32.1	32.4	32.5	33.0	33.3	33.9	34.6	35.6	37.5
85°	15.4	16.4	16.7	16.4	16.7	16.1	17.0	17.3	17.6	17.6	17.6
87.5°	6.9	7.7	8.0	8.9	9.2	10.1	10.2	9.9	10.1	11.0	10.1
90°	10.1	12.8	15.8	18.7	21.7	24.6	25.6	26.5	27.4	28.3	29.0
92.5°	31.1	32.7	34.4	36.0	37.8	39.5	40.2	40.9	41.7	42.4	42.6
95°	67.0	68.8	70.6	72.4	74.2	76.0	76.9	77.9	78.7	79.7	80.2
97.5°	112.4	113.7	115.0	116.3	117.6	119.0	120.0	121.0	122.2	123.2	123.7
100°	145.2	146.5	147.6	148.8	149.9	151.1	151.7	152.4	153.0	153.8	154.3
102.5°	180.0	181.2	182.7	184.2	185.7	187.2	187.9	188.5	189.3	190.0	190.2
105°	233.0	234.2	236.3	238.4	240.4	242.5	242.5	242.5	242.5	242.5	242.7
107.5°	295.6	296.1	296.9	297.8	298.6	299.4	300.2	300.9	301.6	302.3	302.5
110°	335.7	336.2	336.7	337.2	337.5	338.0	339.0	339.8	340.8	341.7	341.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	376.1	376.3	376.4	376.4	376.6	376.7	377.8	378.8	379.9	381.0	381.5
115°	439.4	439.5	439.0	438.6	438.2	437.7	437.9	438.2	438.4	438.6	438.6
117.5°	500.6	500.5	499.9	499.3	498.7	498.1	498.0	498.0	498.0	497.9	497.6
120°	542.8	543.0	541.8	540.7	539.6	538.4	538.1	537.9	537.7	537.5	537.1
122.5°	581.6	581.9	581.2	580.7	580.0	579.5	578.8	578.3	577.7	577.1	576.5
125°	641.8	641.9	641.4	641.0	640.6	640.1	639.2	638.3	637.4	636.4	635.6
127.5°	701.6	702.1	701.6	701.1	700.6	700.1	698.8	697.5	696.2	695.0	693.8
130°	740.9	741.5	740.8	740.1	739.4	738.7	737.8	736.9	736.0	735.1	733.8
132.5°	778.7	779.3	778.9	778.4	777.8	777.4	776.3	775.2	774.0	773.0	771.8
135°	834.6	835.2	835.0	834.7	834.5	834.2	833.4	832.4	831.6	830.6	830.0
137.5°	887.2	888.0	888.6	889.2	889.8	890.4	889.4	888.4	887.5	886.5	885.7
140°	924.2	924.8	925.0	925.3	925.5	925.7	925.5	925.3	925.0	924.8	923.9
142.5°	957.8	958.6	959.0	959.4	959.8	960.3	960.0	959.8	959.6	959.3	958.6
145°	1007.7	1008.3	1008.9	1009.6	1010.3	1011.0	1010.7	1010.5	1010.3	1010.1	1009.6
147.5°	1055.2	1055.9	1056.5	1057.2	1057.8	1058.4	1058.4	1058.4	1058.4	1058.4	1057.8
150°	1085.8	1086.2	1086.7	1087.1	1087.6	1088.1	1088.1	1088.1	1088.1	1088.1	1087.3
152.5°	1112.8	1113.3	1113.6	1113.8	1114.1	1114.4	1114.8	1115.1	1115.5	1115.8	1115.4
155°	1151.8	1151.9	1152.1	1152.3	1152.5	1152.8	1153.7	1154.6	1155.6	1156.4	1156.1
157.5°	1186.0	1186.0	1186.1	1186.3	1186.5	1186.7	1187.6	1188.6	1189.5	1190.6	1190.3
160°	1207.4	1207.2	1207.2	1207.2	1207.2	1207.2	1208.4	1209.5	1210.7	1211.8	1212.0
162.5°	1226.5	1226.2	1226.5	1226.6	1226.8	1226.9	1228.1	1229.2	1230.4	1231.5	1231.4
165°	1251.8	1251.4	1251.4	1251.4	1251.4	1251.4	1252.8	1254.2	1255.5	1256.9	1256.8
167.5°	1271.2	1270.8	1271.0	1271.2	1271.4	1271.5	1273.0	1274.4	1275.8	1277.2	1277.2
170°	1282.7	1282.2	1282.2	1282.2	1282.2	1282.2	1283.8	1285.5	1287.1	1288.6	1288.6
172.5°	1291.7	1291.3	1291.3	1291.3	1291.3	1291.3	1292.7	1294.1	1295.5	1297.0	1296.9
175°	1301.2	1300.8	1300.8	1300.8	1300.8	1300.8	1302.1	1303.5	1304.9	1306.2	1306.1
177.5°	1305.8	1305.4	1305.4	1305.4	1305.4	1305.4	1306.5	1307.7	1308.8	1309.9	1309.8
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0



TEST NUMBER: P332139-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	598.8	598.6	600.2	599.0	600.2	598.6	598.8	600.5	600.9	601.2	601.2
5°	557.4	558.3	555.2	555.2	555.2	558.3	557.4	559.2	560.7	561.9	563.7
7.5°	520.5	519.1	519.3	517.6	519.3	519.1	520.5	521.9	523.9	526.5	529.0
10°	497.9	496.1	495.4	495.7	495.4	496.1	497.9	501.5	502.7	505.2	507.9
12.5°	479.2	478.8	474.8	474.9	474.8	478.8	479.2	480.1	482.8	487.9	491.2
15°	457.2	451.5	450.8	452.7	450.8	451.5	457.2	457.2	458.4	462.4	464.2
17.5°	435.2	432.1	432.4	431.4	432.4	432.1	435.2	435.7	436.7	439.9	442.3
20°	423.6	421.8	421.4	419.3	421.4	421.8	423.6	423.6	424.8	426.3	428.7
22.5°	412.9	412.3	412.4	410.1	412.4	412.3	412.9	413.6	414.8	415.8	417.6
25°	399.6	401.1	399.9	399.9	399.9	401.1	399.6	399.9	400.2	401.7	402.9
27.5°	390.6	390.5	389.9	389.9	389.9	390.5	390.6	389.8	389.5	389.0	388.7
30°	383.8	383.5	384.1	384.1	384.1	383.5	383.8	382.6	382.0	381.7	380.5
32.5°	377.0	377.4	377.6	377.8	377.6	377.4	377.0	375.6	374.5	373.7	372.7
35°	366.5	366.8	367.7	367.1	367.7	366.8	366.5	364.7	363.5	361.6	360.1
37.5°	352.3	353.7	353.4	353.9	353.4	353.7	352.3	351.7	350.5	349.2	347.4
40°	341.7	342.5	342.2	342.2	342.2	342.5	341.7	341.4	340.1	339.2	337.7
42.5°	330.7	331.4	330.6	330.1	330.6	331.4	330.7	330.2	329.5	327.8	326.1
45°	312.8	312.2	313.1	311.9	313.1	312.2	312.8	311.6	311.3	310.1	308.6
47.5°	292.8	293.4	293.7	294.5	293.7	293.4	292.8	292.9	291.2	290.5	290.0
50°	279.4	281.2	281.2	281.0	281.2	281.2	279.4	278.8	277.6	276.4	276.4
52.5°	266.3	267.2	268.4	268.3	268.4	267.2	266.3	265.2	264.0	262.3	261.8
55°	246.1	246.7	247.2	247.6	247.2	246.7	246.1	243.6	242.7	241.8	240.3
57.5°	225.1	224.8	226.2	226.7	226.2	224.8	225.1	222.8	221.5	218.7	218.3
60°	210.2	210.2	212.7	213.6	212.7	210.2	210.2	207.9	205.7	203.9	203.3
62.5°	194.5	195.4	197.9	196.6	197.9	195.4	194.5	191.8	190.2	187.9	186.3
65°	171.4	173.9	173.6	174.8	173.6	173.9	171.4	169.9	166.6	164.5	162.6
67.5°	147.3	148.9	151.1	151.2	151.1	148.9	147.3	144.9	142.8	140.5	138.3
70°	131.1	132.6	133.8	134.7	133.8	132.6	131.1	128.7	126.2	124.7	122.2
72.5°	115.3	116.1	119.0	117.7	119.0	116.1	115.3	112.4	110.4	109.2	106.5
75°	90.4	92.5	94.3	93.5	94.3	92.5	90.4	88.3	86.7	84.9	82.5
77.5°	66.9	69.0	69.9	69.1	69.9	69.0	66.9	65.5	64.7	61.1	60.8
80°	52.8	52.5	54.3	54.0	54.3	52.5	52.8	50.7	49.1	47.1	47.1
82.5°	38.7	38.4	39.3	39.5	39.3	38.4	38.7	37.5	35.6	34.6	33.9
85°	18.8	19.7	18.5	18.2	18.5	19.7	18.8	17.6	17.6	17.6	17.3
87.5°	10.3	10.4	10.2	10.1	10.2	10.4	10.3	10.1	11.0	10.1	9.9
90°	29.5	29.9	30.3	30.8	30.3	29.9	29.5	29.0	28.3	27.4	26.5
92.5°	42.3	42.1	41.7	41.5	41.7	42.1	42.3	42.6	42.4	41.7	40.9
95°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	79.7	78.7	77.9
97.5°	123.6	123.5	123.4	123.3	123.4	123.5	123.6	123.7	123.2	122.2	121.0
100°	154.8	155.3	155.7	156.1	155.7	155.3	154.8	154.3	153.8	153.0	152.4
102.5°	190.1	190.0	190.0	189.9	190.0	190.0	190.1	190.2	190.0	189.3	188.5
105°	243.2	243.6	244.1	244.5	244.1	243.6	243.2	242.7	242.5	242.5	242.5
107.5°	302.3	302.0	301.7	301.4	301.7	302.0	302.3	302.5	302.3	301.6	300.9
110°	341.4	341.0	340.6	340.1	340.6	341.0	341.4	341.9	341.7	340.8	339.8



TEST NUMBER: P332139-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	381.4	381.4	381.3	381.2	381.3	381.4	381.4	381.5	381.0	379.9	378.8
115°	438.4	438.2	437.9	437.7	437.9	438.2	438.4	438.6	438.6	438.4	438.2
117.5°	496.9	496.3	495.7	495.0	495.7	496.3	496.9	497.6	497.9	498.0	498.0
120°	536.7	536.2	535.8	535.3	535.8	536.2	536.7	537.1	537.5	537.7	537.9
122.5°	575.8	575.2	574.6	573.9	574.6	575.2	575.8	576.5	577.1	577.7	578.3
125°	634.6	633.7	632.8	631.8	632.8	633.7	634.6	635.6	636.4	637.4	638.3
127.5°	692.8	691.7	690.7	689.6	690.7	691.7	692.8	693.8	695.0	696.2	697.5
130°	732.2	730.6	729.0	727.5	729.0	730.6	732.2	733.8	735.1	736.0	736.9
132.5°	770.6	769.4	768.1	766.9	768.1	769.4	770.6	771.8	773.0	774.0	775.2
135°	829.5	829.0	828.5	828.1	828.5	829.0	829.5	830.0	830.6	831.6	832.4
137.5°	884.8	883.9	883.0	882.2	883.0	883.9	884.8	885.7	886.5	887.5	888.4
140°	922.3	920.7	919.1	917.5	919.1	920.7	922.3	923.9	924.8	925.0	925.3
142.5°	957.4	956.2	954.9	953.7	954.9	956.2	957.4	958.6	959.3	959.6	959.8
145°	1008.6	1007.7	1006.8	1005.8	1006.8	1007.7	1008.6	1009.6	1010.1	1010.3	1010.5
147.5°	1056.5	1055.0	1053.7	1052.3	1053.7	1055.0	1056.5	1057.8	1058.4	1058.4	1058.4
150°	1086.0	1084.7	1083.2	1081.9	1083.2	1084.7	1086.0	1087.3	1088.1	1088.1	1088.1
152.5°	1114.2	1113.0	1111.8	1110.6	1111.8	1113.0	1114.2	1115.4	1115.8	1115.5	1115.1
155°	1154.5	1152.9	1151.3	1149.7	1151.3	1152.9	1154.5	1156.1	1156.4	1155.6	1154.6
157.5°	1189.1	1187.8	1186.5	1185.3	1186.5	1187.8	1189.1	1190.3	1190.6	1189.5	1188.6
160°	1211.0	1210.1	1209.2	1208.2	1209.2	1210.1	1211.0	1212.0	1211.8	1210.7	1209.5
162.5°	1229.9	1228.4	1227.0	1225.5	1227.0	1228.4	1229.9	1231.4	1231.5	1230.4	1229.2
165°	1255.2	1253.6	1252.0	1250.4	1252.0	1253.6	1255.2	1256.8	1256.9	1255.5	1254.2
167.5°	1275.8	1274.4	1273.0	1271.5	1273.0	1274.4	1275.8	1277.2	1277.2	1275.8	1274.4
170°	1287.1	1285.5	1283.8	1282.2	1283.8	1285.5	1287.1	1288.6	1288.6	1287.1	1285.5
172.5°	1295.3	1293.6	1292.0	1290.5	1292.0	1293.6	1295.3	1296.9	1297.0	1295.5	1294.1
175°	1304.5	1302.9	1301.3	1299.7	1301.3	1302.9	1304.5	1306.1	1306.2	1304.9	1303.5
177.5°	1308.4	1307.2	1305.9	1304.6	1305.9	1307.2	1308.4	1309.8	1309.9	1308.8	1307.7
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0



TEST NUMBER: P332139-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	600.5	600.5	605.1	608.0	611.6	614.1	615.8	617.5	620.4	624.3	628.7
5°	566.2	567.4	574.0	580.7	587.1	592.6	597.1	602.5	609.3	617.4	626.5
7.5°	532.9	537.6	544.3	552.5	561.3	569.3	577.3	586.4	595.7	607.8	620.6
10°	511.5	516.7	524.9	535.2	544.6	554.0	564.0	573.7	585.6	599.8	616.2
12.5°	492.8	497.7	506.2	517.5	526.4	536.8	548.3	560.9	574.2	591.4	609.9
15°	466.9	472.7	483.0	488.5	502.2	514.6	525.2	543.4	560.4	578.0	599.5
17.5°	445.7	448.9	457.2	467.4	477.6	491.5	505.5	520.6	537.6	559.1	586.1
20°	431.1	433.9	443.0	453.6	464.5	477.3	489.7	504.9	523.9	546.8	575.8
22.5°	420.2	423.2	429.1	440.5	450.7	461.2	473.6	491.8	512.1	534.3	565.9
25°	404.4	406.2	410.2	419.3	428.4	440.2	451.1	468.2	489.1	515.2	546.8
27.5°	389.4	391.2	394.5	401.0	409.6	419.1	431.0	445.4	466.7	495.0	528.5
30°	380.5	380.8	383.8	389.8	397.1	405.0	416.0	432.4	452.3	481.2	516.4
32.5°	372.7	371.5	373.6	378.2	385.2	393.2	402.1	418.3	437.6	465.9	502.1
35°	359.5	358.9	358.0	361.9	368.0	374.1	382.0	394.1	416.0	442.4	480.3
37.5°	346.1	344.7	343.0	344.8	349.6	355.9	362.7	373.5	392.4	421.4	457.7
40°	336.2	334.9	334.1	333.4	337.7	343.7	348.9	359.3	376.8	404.4	440.2
42.5°	325.3	324.6	323.4	322.5	326.1	330.7	336.0	345.2	362.7	388.6	422.6
45°	307.7	307.0	306.4	305.9	307.9	312.2	316.5	323.1	338.3	363.5	394.1
47.5°	288.0	287.2	287.5	286.5	288.6	291.4	294.5	301.6	316.2	336.4	358.9
50°	273.9	273.7	273.7	273.7	274.3	277.6	280.4	285.8	299.1	319.5	335.6
52.5°	260.6	259.4	259.4	259.8	260.9	263.1	264.8	270.8	282.4	299.1	313.7
55°	239.7	237.3	236.6	237.3	238.2	240.0	241.8	246.7	256.7	269.1	277.6
57.5°	216.5	215.2	214.4	214.5	215.0	216.4	217.9	223.2	231.0	237.5	243.0
60°	200.3	200.8	198.1	198.8	198.8	199.9	202.1	205.4	212.1	216.7	222.1
62.5°	185.0	184.1	183.3	182.4	182.4	182.9	185.8	188.4	194.1	196.5	200.7
65°	161.1	161.1	159.3	159.9	160.2	158.0	159.6	162.6	166.3	167.2	171.1
67.5°	137.0	136.1	135.1	134.2	134.2	134.0	134.8	136.3	139.0	139.3	142.4
70°	120.4	119.9	119.5	118.7	117.4	118.9	118.0	119.5	121.0	121.4	123.2
72.5°	104.4	103.9	103.3	102.3	101.9	101.7	101.8	103.5	104.6	104.1	106.2
75°	81.6	81.0	80.4	78.9	78.9	78.0	78.3	79.5	80.7	79.8	81.6
77.5°	60.0	58.1	58.0	58.4	57.4	57.5	57.2	57.0	57.5	57.6	59.3
80°	46.1	44.0	44.6	44.3	44.0	43.7	43.1	43.4	43.7	44.0	44.9
82.5°	33.3	33.0	32.5	32.4	32.1	31.3	31.0	31.5	31.8	31.6	32.3
85°	17.0	16.1	16.7	16.4	16.7	16.4	15.4	15.4	16.1	15.8	16.4
87.5°	10.2	10.1	9.2	8.9	8.0	7.7	6.9	6.7	6.5	6.0	6.0
90°	25.6	24.6	21.7	18.7	15.8	12.8	10.1	7.8	5.6	3.3	1.0
92.5°	40.2	39.5	37.8	36.0	34.4	32.7	31.1	29.5	28.0	26.4	24.9
95°	76.9	76.0	74.2	72.4	70.6	68.8	67.0	65.4	63.8	62.2	60.6
97.5°	120.0	119.0	117.6	116.3	115.0	113.7	112.4	111.2	110.0	108.8	107.7
100°	151.7	151.1	149.9	148.8	147.6	146.5	145.2	143.9	142.4	141.1	139.7
102.5°	187.9	187.2	185.7	184.2	182.7	181.2	180.0	179.2	178.4	177.5	176.7
105°	242.5	242.5	240.4	238.4	236.3	234.2	233.0	232.5	232.1	231.6	231.2
107.5°	300.2	299.4	298.6	297.8	296.9	296.1	295.6	295.3	295.0	294.8	294.5
110°	339.0	338.0	337.5	337.2	336.7	336.2	335.7	335.3	334.9	334.4	333.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	377.8	376.7	376.6	376.4	376.4	376.3	376.1	375.8	375.6	375.3	375.0
115°	437.9	437.7	438.2	438.6	439.0	439.5	439.4	438.7	438.0	437.4	436.7
117.5°	498.0	498.1	498.7	499.3	499.9	500.5	500.6	500.1	499.6	499.2	498.8
120°	538.1	538.4	539.6	540.7	541.8	543.0	542.8	541.5	540.1	538.7	537.3
122.5°	578.8	579.5	580.0	580.7	581.2	581.9	581.6	580.7	579.6	578.6	577.7
125°	639.2	640.1	640.6	641.0	641.4	641.9	641.8	641.1	640.4	639.8	639.1
127.5°	698.8	700.1	700.6	701.1	701.6	702.1	701.6	700.1	698.7	697.3	695.8
130°	737.8	738.7	739.4	740.1	740.8	741.5	740.9	739.1	737.3	735.4	733.6
132.5°	776.3	777.4	777.8	778.4	778.9	779.3	778.7	776.9	775.1	773.2	771.4
135°	833.4	834.2	834.5	834.7	835.0	835.2	834.6	833.2	831.9	830.5	829.2
137.5°	889.4	890.4	889.8	889.2	888.6	888.0	887.2	886.0	884.9	883.7	882.6
140°	925.5	925.7	925.5	925.3	925.0	924.8	924.2	923.0	921.9	920.7	919.6
142.5°	960.0	960.3	959.8	959.4	959.0	958.6	957.8	956.7	955.5	954.4	953.2
145°	1010.7	1011.0	1010.3	1009.6	1008.9	1008.3	1007.7	1007.3	1006.8	1006.3	1005.8
147.5°	1058.4	1058.4	1057.8	1057.2	1056.5	1055.9	1055.2	1054.4	1053.5	1052.7	1051.9
150°	1088.1	1088.1	1087.6	1087.1	1086.7	1086.2	1085.8	1085.3	1084.9	1084.4	1083.9
152.5°	1114.8	1114.4	1114.1	1113.8	1113.6	1113.3	1112.8	1112.1	1111.5	1110.9	1110.2
155°	1153.7	1152.8	1152.5	1152.3	1152.1	1151.9	1151.8	1151.8	1151.8	1151.8	1151.8
157.5°	1187.6	1186.7	1186.5	1186.3	1186.1	1186.0	1186.0	1186.3	1186.5	1186.8	1187.1
160°	1208.4	1207.2	1207.2	1207.2	1207.2	1207.2	1207.4	1207.9	1208.4	1208.9	1209.3
162.5°	1228.1	1226.9	1226.8	1226.6	1226.5	1226.2	1226.5	1227.1	1227.7	1228.4	1229.0
165°	1252.8	1251.4	1251.4	1251.4	1251.4	1251.4	1251.8	1252.4	1253.2	1253.8	1254.5
167.5°	1273.0	1271.5	1271.4	1271.2	1271.0	1270.8	1271.2	1272.1	1273.0	1273.9	1274.9
170°	1283.8	1282.2	1282.2	1282.2	1282.2	1282.2	1282.7	1283.7	1284.5	1285.5	1286.3
172.5°	1292.7	1291.3	1291.3	1291.3	1291.3	1291.3	1291.7	1292.7	1293.6	1294.5	1295.4
175°	1302.1	1300.8	1300.8	1300.8	1300.8	1300.8	1301.2	1302.1	1303.1	1303.9	1304.9
177.5°	1306.5	1305.4	1305.4	1305.4	1305.4	1305.4	1305.8	1306.5	1307.3	1308.1	1308.8
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0



TEST NUMBER: P332139-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	630.1	631.3	635.4	638.3	641.7	643.7	645.6	647.1	649.0	649.5	656.6
5°	632.9	639.0	649.6	657.4	667.2	677.8	685.1	688.4	697.2	704.5	719.1
7.5°	632.1	645.0	661.1	677.7	695.5	712.0	726.4	743.3	755.4	773.6	791.5
10°	631.4	648.6	669.3	690.5	715.4	738.5	759.1	782.2	801.3	826.5	848.0
12.5°	629.2	650.1	678.7	703.9	734.1	765.9	796.5	826.1	843.0	884.9	904.8
15°	623.8	648.6	684.4	722.7	764.3	801.9	840.7	871.6	921.7	958.5	981.8
17.5°	613.5	648.3	690.8	736.9	787.4	837.0	881.0	928.0	981.1	1025.5	1072.9
20°	608.6	646.8	694.2	745.1	797.6	853.7	903.8	960.3	1018.2	1061.9	1122.6
22.5°	599.7	642.9	694.0	750.8	806.8	864.9	923.5	980.4	1047.3	1107.6	1165.3
25°	584.9	633.5	686.3	749.7	815.6	873.8	943.9	1019.5	1089.3	1166.6	1224.2
27.5°	569.6	621.4	674.3	733.2	804.1	873.2	961.4	1046.7	1132.0	1198.9	1241.5
30°	557.6	608.0	662.7	722.1	792.2	874.4	973.0	1066.1	1149.3	1206.7	1230.6
32.5°	544.8	595.9	644.2	706.5	781.3	873.7	980.3	1077.5	1150.2	1188.4	1183.8
35°	524.6	567.4	614.4	674.5	762.5	868.3	984.5	1078.6	1123.2	1115.0	1053.1
37.5°	495.4	531.5	577.7	643.5	740.6	857.1	976.0	1046.6	1043.7	977.0	887.3
40°	477.3	507.9	552.5	621.7	723.6	849.9	962.7	1008.5	969.7	876.5	769.1
42.5°	453.4	481.6	526.2	597.4	705.0	835.0	937.2	950.5	874.5	767.3	668.9
45°	416.6	441.5	487.6	561.0	676.9	802.8	875.0	842.6	740.3	629.5	554.6
47.5°	376.9	402.8	447.2	522.6	636.4	754.3	788.7	719.7	614.7	524.9	456.1
50°	352.0	376.8	420.2	496.4	609.0	714.5	728.8	639.6	543.1	464.2	407.7
52.5°	326.7	350.1	392.8	469.2	576.9	668.4	659.6	568.7	480.0	412.7	368.4
55°	289.1	311.3	352.0	423.6	521.6	594.1	562.2	475.5	402.0	349.8	316.2
57.5°	255.6	276.8	311.8	376.5	461.7	511.5	471.0	397.9	339.5	299.4	274.3
60°	232.7	251.5	284.9	345.0	419.0	456.9	416.8	352.3	303.1	270.9	248.5
62.5°	211.1	227.5	258.4	312.9	377.2	409.1	368.6	313.9	272.0	243.5	224.4
65°	178.4	193.3	220.5	263.1	315.8	337.1	302.2	257.9	225.5	204.2	191.5
67.5°	148.5	161.1	184.7	218.2	257.1	272.5	246.0	211.7	187.2	170.2	160.0
70°	128.7	139.6	158.0	186.9	222.1	233.9	209.1	180.9	163.0	149.2	139.9
72.5°	111.9	119.9	136.7	159.0	188.4	197.7	180.4	155.6	138.9	128.7	121.2
75°	85.2	91.9	102.8	120.7	141.1	146.6	133.5	118.0	106.8	99.5	93.7
77.5°	61.5	66.4	74.3	85.3	99.4	104.3	96.1	85.7	77.6	72.6	69.4
80°	46.4	50.4	57.0	66.1	74.6	77.4	72.5	64.6	58.9	56.2	53.4
82.5°	34.3	36.5	40.6	46.7	52.5	55.8	51.7	46.9	43.8	41.4	40.3
85°	17.3	18.5	20.4	22.7	26.4	27.6	26.1	24.9	23.1	21.5	21.5
87.5°	7.0	7.4	8.6	9.6	11.1	12.4	12.8	12.8	13.2	13.2	13.1
90°	3.3	5.6	7.8	10.1	12.8	15.8	18.7	21.7	24.6	25.6	26.5
92.5°	26.4	28.0	29.5	31.1	32.7	34.4	36.0	37.8	39.5	40.2	40.9
95°	62.2	63.8	65.4	67.0	68.8	70.6	72.4	74.2	76.0	76.9	77.9
97.5°	108.8	110.0	111.2	112.4	113.7	115.0	116.3	117.6	119.0	120.0	121.0
100°	141.1	142.4	143.9	145.2	146.5	147.6	148.8	149.9	151.1	151.7	152.4
102.5°	177.5	178.4	179.2	180.0	181.2	182.7	184.2	185.7	187.2	187.9	188.5
105°	231.6	232.1	232.5	233.0	234.2	236.3	238.4	240.4	242.5	242.5	242.5
107.5°	294.8	295.0	295.3	295.6	296.1	296.9	297.8	298.6	299.4	300.2	300.9
110°	334.4	334.9	335.3	335.7	336.2	336.7	337.2	337.5	338.0	339.0	339.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	375.3	375.6	375.8	376.1	376.3	376.4	376.4	376.6	376.7	377.8	378.8
115°	437.4	438.0	438.7	439.4	439.5	439.0	438.6	438.2	437.7	437.9	438.2
117.5°	499.2	499.6	500.1	500.6	500.5	499.9	499.3	498.7	498.1	498.0	498.0
120°	538.7	540.1	541.5	542.8	543.0	541.8	540.7	539.6	538.4	538.1	537.9
122.5°	578.6	579.6	580.7	581.6	581.9	581.2	580.7	580.0	579.5	578.8	578.3
125°	639.8	640.4	641.1	641.8	641.9	641.4	641.0	640.6	640.1	639.2	638.3
127.5°	697.3	698.7	700.1	701.6	702.1	701.6	701.1	700.6	700.1	698.8	697.5
130°	735.4	737.3	739.1	740.9	741.5	740.8	740.1	739.4	738.7	737.8	736.9
132.5°	773.2	775.1	776.9	778.7	779.3	778.9	778.4	777.8	777.4	776.3	775.2
135°	830.5	831.9	833.2	834.6	835.2	835.0	834.7	834.5	834.2	833.4	832.4
137.5°	883.7	884.9	886.0	887.2	888.0	888.6	889.2	889.8	890.4	889.4	888.4
140°	920.7	921.9	923.0	924.2	924.8	925.0	925.3	925.5	925.7	925.5	925.3
142.5°	954.4	955.5	956.7	957.8	958.6	959.0	959.4	959.8	960.3	960.0	959.8
145°	1006.3	1006.8	1007.3	1007.7	1008.3	1008.9	1009.6	1010.3	1011.0	1010.7	1010.5
147.5°	1052.7	1053.5	1054.4	1055.2	1055.9	1056.5	1057.2	1057.8	1058.4	1058.4	1058.4
150°	1084.4	1084.9	1085.3	1085.8	1086.2	1086.7	1087.1	1087.6	1088.1	1088.1	1088.1
152.5°	1110.9	1111.5	1112.1	1112.8	1113.3	1113.6	1113.8	1114.1	1114.4	1114.8	1115.1
155°	1151.8	1151.8	1151.8	1151.8	1151.9	1152.1	1152.3	1152.5	1152.8	1153.7	1154.6
157.5°	1186.8	1186.5	1186.3	1186.0	1186.0	1186.1	1186.3	1186.5	1186.7	1187.6	1188.6
160°	1208.9	1208.4	1207.9	1207.4	1207.2	1207.2	1207.2	1207.2	1207.2	1208.4	1209.5
162.5°	1228.4	1227.7	1227.1	1226.5	1226.2	1226.5	1226.6	1226.8	1226.9	1228.1	1229.2
165°	1253.8	1253.2	1252.4	1251.8	1251.4	1251.4	1251.4	1251.4	1251.4	1252.8	1254.2
167.5°	1273.9	1273.0	1272.1	1271.2	1270.8	1271.0	1271.2	1271.4	1271.5	1273.0	1274.4
170°	1285.5	1284.5	1283.7	1282.7	1282.2	1282.2	1282.2	1282.2	1282.2	1283.8	1285.5
172.5°	1294.5	1293.6	1292.7	1291.7	1291.3	1291.3	1291.3	1291.3	1291.3	1292.7	1294.1
175°	1303.9	1303.1	1302.1	1301.2	1300.8	1300.8	1300.8	1300.8	1300.8	1302.1	1303.5
177.5°	1308.1	1307.3	1306.5	1305.8	1305.4	1305.4	1305.4	1305.4	1305.4	1306.5	1307.7
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	659.0	659.3	661.9	663.8	662.9	664.1	664.6
5°	719.9	730.9	736.7	740.9	741.2	741.5	743.9
7.5°	806.4	818.2	826.7	839.7	843.6	848.0	846.8
10°	869.6	886.8	901.7	909.6	918.1	930.5	920.5
12.5°	928.5	959.2	981.8	994.0	1002.1	1004.6	999.7
15°	1025.8	1065.9	1087.4	1086.8	1114.1	1125.9	1107.4
17.5°	1115.0	1152.0	1181.5	1196.7	1219.5	1224.6	1222.3
20°	1169.6	1210.0	1233.0	1259.1	1271.0	1281.6	1283.4
22.5°	1216.7	1252.9	1277.7	1299.4	1309.3	1314.3	1317.4
25°	1265.2	1293.7	1308.6	1316.1	1318.9	1318.3	1314.3
27.5°	1261.9	1264.0	1247.7	1231.6	1217.2	1200.9	1195.4
30°	1229.1	1203.6	1158.1	1132.3	1094.4	1064.3	1076.5
32.5°	1142.9	1092.2	1041.1	984.7	938.0	924.8	911.4
35°	975.4	886.2	834.1	773.4	749.1	724.8	708.1
37.5°	789.2	720.2	658.2	618.5	594.2	578.9	570.6
40°	682.4	620.1	569.2	537.0	518.5	501.2	498.8
42.5°	597.1	539.3	501.0	475.4	457.6	450.3	444.9
45°	489.1	448.7	422.9	404.7	392.9	388.3	382.3
47.5°	414.0	385.5	366.1	353.7	344.8	341.4	340.9
50°	372.0	348.3	334.1	324.3	317.3	316.2	311.3
52.5°	340.4	319.9	308.8	300.3	295.2	291.8	290.4
55°	295.5	281.9	271.9	267.0	263.1	259.7	259.7
57.5°	258.6	247.2	240.5	236.4	235.2	232.8	231.3
60°	235.8	226.0	220.9	217.2	214.8	215.1	212.4
62.5°	213.4	207.1	202.2	198.5	195.7	195.7	195.9
65°	181.7	176.9	173.3	172.1	170.2	168.1	168.7
67.5°	154.0	149.5	146.6	144.6	143.9	142.8	144.6
70°	134.1	130.8	128.7	126.8	126.2	126.5	128.0
72.5°	115.9	113.5	112.2	111.3	110.0	110.0	111.1
75°	91.0	89.2	88.0	87.1	86.7	86.7	86.7
77.5°	66.9	66.5	65.9	64.6	64.6	65.0	65.0
80°	52.8	51.9	51.6	50.9	50.1	49.4	50.9
82.5°	39.5	38.5	38.3	38.1	36.7	36.6	37.9
85°	21.2	20.4	20.6	20.4	20.4	20.0	20.0
87.5°	13.0	12.9	12.8	13.2	13.0	12.8	13.5
90°	27.4	28.3	29.0	29.5	29.9	30.3	30.8
92.5°	41.7	42.4	42.6	42.3	42.1	41.7	41.5
95°	78.7	79.7	80.2	80.2	80.2	80.2	80.2
97.5°	122.2	123.2	123.7	123.6	123.5	123.4	123.3
100°	153.0	153.8	154.3	154.8	155.3	155.7	156.1
102.5°	189.3	190.0	190.2	190.1	190.0	190.0	189.9
105°	242.5	242.5	242.7	243.2	243.6	244.1	244.5
107.5°	301.6	302.3	302.5	302.3	302.0	301.7	301.4
110°	340.8	341.7	341.9	341.4	341.0	340.6	340.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	379.9	381.0	381.5	381.4	381.4	381.3	381.2
115°	438.4	438.6	438.6	438.4	438.2	437.9	437.7
117.5°	498.0	497.9	497.6	496.9	496.3	495.7	495.0
120°	537.7	537.5	537.1	536.7	536.2	535.8	535.3
122.5°	577.7	577.1	576.5	575.8	575.2	574.6	573.9
125°	637.4	636.4	635.6	634.6	633.7	632.8	631.8
127.5°	696.2	695.0	693.8	692.8	691.7	690.7	689.6
130°	736.0	735.1	733.8	732.2	730.6	729.0	727.5
132.5°	774.0	773.0	771.8	770.6	769.4	768.1	766.9
135°	831.6	830.6	830.0	829.5	829.0	828.5	828.1
137.5°	887.5	886.5	885.7	884.8	883.9	883.0	882.2
140°	925.0	924.8	923.9	922.3	920.7	919.1	917.5
142.5°	959.6	959.3	958.6	957.4	956.2	954.9	953.7
145°	1010.3	1010.1	1009.6	1008.6	1007.7	1006.8	1005.8
147.5°	1058.4	1058.4	1057.8	1056.5	1055.0	1053.7	1052.3
150°	1088.1	1088.1	1087.3	1086.0	1084.7	1083.2	1081.9
152.5°	1115.5	1115.8	1115.4	1114.2	1113.0	1111.8	1110.6
155°	1155.6	1156.4	1156.1	1154.5	1152.9	1151.3	1149.7
157.5°	1189.5	1190.6	1190.3	1189.1	1187.8	1186.5	1185.3
160°	1210.7	1211.8	1212.0	1211.0	1210.1	1209.2	1208.2
162.5°	1230.4	1231.5	1231.4	1229.9	1228.4	1227.0	1225.5
165°	1255.5	1256.9	1256.8	1255.2	1253.6	1252.0	1250.4
167.5°	1275.8	1277.2	1277.2	1275.8	1274.4	1273.0	1271.5
170°	1287.1	1288.6	1288.6	1287.1	1285.5	1283.8	1282.2
172.5°	1295.5	1297.0	1296.9	1295.3	1293.6	1292.0	1290.5
175°	1304.9	1306.2	1306.1	1304.5	1302.9	1301.3	1299.7
177.5°	1308.8	1309.9	1309.8	1308.4	1307.2	1305.9	1304.6
180°	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0	1308.0

(END OF REPORT)