

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: P333672-930

Luminaire Tested: **S125RDIW-S610D1340U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333672-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S610D1340U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6330.5 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

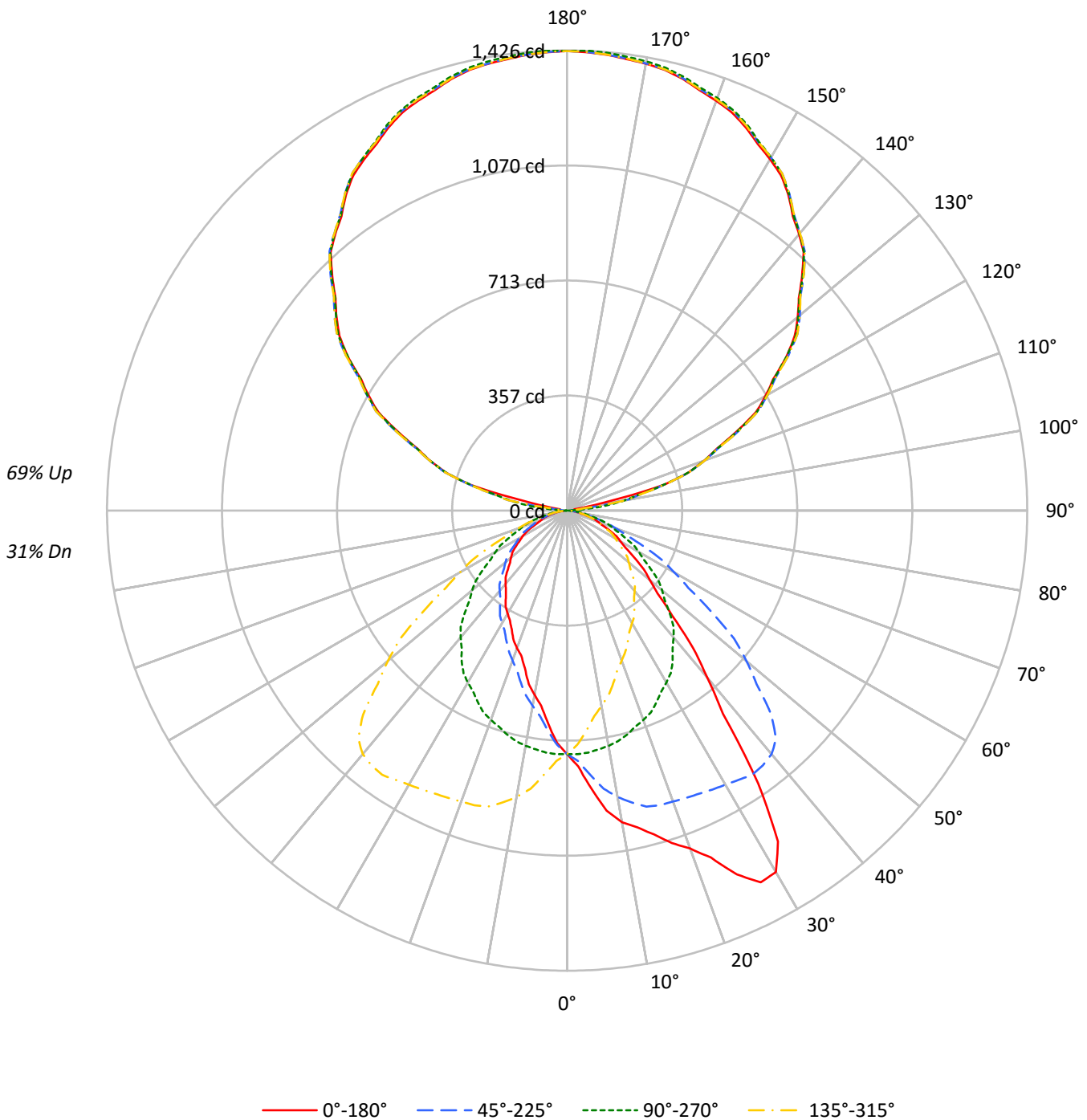
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	34	34	33	27
2	86	79	73	68	77	71	66	62	56	53	50	43	41	39	31	29	28	23
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	26	24	19
4	71	61	54	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	66	55	47	41	59	49	43	38	40	35	31	31	27	25	22	20	18	15
6	60	49	41	36	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	36	31	50	40	33	29	32	27	24	25	22	19	18	16	14	12
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	13	12	9
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4873	4873	4873	4873
5°	5606	4879	4309	4879
10°	6431	4854	3802	4854
15°	6946	4804	3380	4804
20°	7659	4746	3120	4746
25°	8863	4670	2895	4670
30°	9645	4589	2748	4589
35°	8136	4495	2613	4495
40°	5681	4326	2496	4326
45°	4215	4098	2382	4098
50°	3361	3861	2284	3861
55°	2852	3567	2197	3567
60°	2465	3304	2056	3304
65°	2196	3020	1771	3020
70°	1930	2766	1613	2766
75°	1669	2395	1515	2395
80°	1268	2016	1268	2016
85°	1060	1586	1193	1586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.1
10°-20°	212.0	3.3
20°-30°	336.2	5.3
30°-40°	405.4	6.4
40°-50°	362.0	5.7
50°-60°	277.6	4.4
60°-70°	180.4	2.9
70°-80°	87.7	1.4
80°-90°	23.9	0.4
90°-100°	51.7	0.8
100°-110°	318.9	5.0
110°-120°	578.4	9.1
120°-130°	742.3	11.7
130°-140°	798.4	12.6
140°-150°	749.4	11.8
150°-160°	606.3	9.6
160°-170°	392.1	6.2
170°-180°	135.2	2.1
0°-30°	620.5	9.8
0°-40°	1025.9	16.2
0°-60°	1665.6	26.3
0°-90°	1957.6	30.9
90°-120°	949.1	15.0
90°-150°	3239.3	51.2
90°-180°	4373.0	69.1
0°-180°	6330.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	754	754	754	754	754	
5°	865	753	665	753	865	86
15°	1039	718	506	718	1039	298
25°	1244	655	406	655	1244	571
35°	1032	570	331	570	1032	623
45°	462	449	261	449	462	368
55°	253	317	195	317	253	230
65°	144	198	116	198	144	143
75°	67	96	61	96	67	71
85°	14	21	16	21	14	17
90°	25	1	25	1	25	12
95°	22	60	22	60	22	18
105°	314	310	314	310	314	283
115°	578	583	578	583	578	574
125°	829	829	829	829	829	737
135°	1029	1034	1029	1034	1029	794
145°	1195	1198	1195	1198	1195	746
155°	1310	1320	1310	1320	1310	604
165°	1385	1392	1385	1392	1385	391
175°	1418	1424	1418	1424	1418	135
180°	1424	1424	1424	1424	1424	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	793.6	793.1	794.1	791.3	791.7	787.4	787.4	784.2	780.0	776.7	775.3
5°	864.7	865.4	864.1	859.4	856.3	851.7	846.4	837.1	829.4	822.0	816.1
7.5°	937.9	938.3	934.3	932.9	925.0	919.3	907.7	895.0	883.8	869.5	858.7
10°	980.6	980.2	975.9	972.5	965.6	957.0	945.5	930.7	916.7	901.2	886.4
12.5°	1005.3	1004.5	1003.1	999.0	992.7	985.0	975.3	960.7	943.5	926.5	909.2
15°	1038.8	1036.6	1032.6	1027.3	1018.3	1009.3	998.5	985.5	969.1	949.9	933.8
17.5°	1080.1	1080.2	1074.0	1066.7	1054.5	1038.6	1021.9	1000.9	978.6	957.5	940.4
20°	1114.4	1113.4	1107.2	1093.0	1079.0	1059.2	1040.0	1014.3	987.1	959.4	938.1
22.5°	1163.4	1161.0	1154.5	1135.8	1114.2	1088.7	1059.3	1027.9	995.0	963.7	935.6
25°	1243.8	1241.9	1229.2	1207.5	1177.2	1137.8	1099.4	1056.4	1009.0	967.8	933.8
27.5°	1298.8	1296.7	1287.4	1269.3	1241.3	1200.0	1147.9	1090.5	1031.3	974.6	925.4
30°	1293.3	1298.0	1296.7	1288.4	1267.3	1230.1	1182.2	1117.4	1047.1	980.6	922.0
32.5°	1215.5	1219.7	1230.6	1247.0	1248.2	1233.4	1197.5	1137.8	1064.9	989.2	919.2
35°	1031.9	1037.5	1058.6	1091.7	1135.1	1171.3	1178.8	1146.6	1081.2	999.7	915.2
37.5°	793.4	823.9	841.6	876.4	941.9	1008.6	1072.7	1096.3	1068.5	995.4	908.6
40°	673.9	681.3	713.0	752.3	807.4	876.8	968.2	1034.1	1036.2	985.5	898.1
42.5°	576.8	586.2	607.9	639.3	686.5	755.9	850.2	937.3	977.5	958.2	884.5
45°	461.5	468.6	484.4	508.5	544.8	602.1	683.2	783.9	863.8	895.0	848.0
47.5°	379.1	382.9	396.6	415.1	441.9	483.6	546.4	633.8	729.7	796.9	790.3
50°	334.5	338.8	349.4	363.3	385.9	421.2	471.4	544.1	642.9	725.0	741.4
52.5°	299.8	303.4	310.0	323.2	341.8	368.9	409.4	475.3	564.2	651.4	689.4
55°	253.3	255.8	261.1	268.5	283.4	302.9	337.9	383.4	455.3	543.2	599.0
57.5°	215.1	216.3	219.6	226.5	236.8	251.0	276.3	315.0	366.5	445.6	507.2
60°	190.8	192.0	196.3	201.0	209.0	222.1	241.9	268.8	318.4	383.8	446.0
62.5°	171.5	172.2	174.1	178.7	185.7	195.8	211.4	233.4	272.8	330.2	389.0
65°	143.7	144.0	144.6	148.4	152.7	160.1	170.3	185.8	215.6	258.9	311.0
67.5°	117.1	117.5	119.7	121.0	125.5	129.4	135.4	147.2	168.2	197.4	237.8
70°	102.2	101.9	104.0	105.6	107.1	111.8	115.9	125.4	138.4	160.8	194.5
72.5°	88.3	87.6	88.5	89.0	91.1	94.2	98.2	104.1	114.1	129.6	155.3
75°	66.9	67.2	67.2	67.8	69.4	70.6	71.8	74.9	80.6	90.7	104.7
77.5°	47.0	46.5	47.8	47.9	48.8	50.2	51.3	52.5	54.8	59.0	66.2
80°	34.1	34.1	34.4	35.3	35.0	35.6	37.2	38.4	41.2	43.7	46.1
82.5°	26.2	25.9	26.2	26.4	26.3	26.9	27.5	27.7	28.8	30.0	31.8
85°	14.3	14.3	14.6	14.6	14.8	14.8	15.2	15.2	15.2	15.5	15.8
87.5°	10.5	10.1	9.7	9.6	9.7	10.0	9.5	9.0	8.8	8.6	8.5
90°	25.4	24.6	23.9	23.2	22.5	21.6	20.4	19.2	18.1	16.9	15.2
92.5°	23.6	23.3	23.0	22.7	22.3	21.6	20.4	19.2	18.1	16.9	15.4
95°	22.2	22.2	22.2	22.2	22.2	21.6	20.4	19.2	18.1	16.9	25.8
97.5°	22.2	22.2	22.2	22.2	22.2	25.4	32.1	38.7	45.3	51.9	69.5
100°	22.2	23.1	24.1	24.9	25.9	43.9	78.8	113.7	148.7	183.7	182.7
102.5°	132.8	148.7	164.7	180.7	196.6	207.9	214.5	221.1	227.7	234.3	233.7
105°	313.5	313.7	314.0	314.2	314.5	314.5	314.5	314.5	314.5	314.5	314.5
107.5°	395.3	395.9	396.6	397.3	398.0	398.4	398.4	398.3	398.2	398.2	397.7
110°	451.8	451.6	451.3	451.1	450.9	451.1	451.8	452.5	453.2	453.9	453.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	502.5	502.8	503.1	503.4	503.8	504.4	505.3	506.1	507.0	507.9	507.7
115°	578.5	579.8	581.3	582.7	584.1	585.3	586.2	587.2	588.1	589.1	588.8
117.5°	659.6	660.1	660.8	661.4	661.9	662.9	664.1	665.4	666.6	667.8	666.9
120°	709.4	710.5	711.7	712.9	714.0	714.9	715.3	715.8	716.3	716.7	716.1
122.5°	756.7	758.0	759.4	760.8	762.1	763.0	763.4	763.9	764.4	764.9	764.6
125°	828.7	829.3	830.1	830.8	831.4	832.3	833.2	834.1	835.1	836.0	836.0
127.5°	889.2	891.0	892.8	894.5	896.2	897.3	897.8	898.4	898.9	899.4	899.5
130°	933.2	934.3	935.5	936.7	937.8	938.8	939.5	940.2	940.9	941.6	941.3
132.5°	973.7	974.9	976.1	977.2	978.4	979.0	979.2	979.3	979.5	979.6	980.2
135°	1029.2	1030.6	1032.0	1033.5	1034.9	1035.8	1036.2	1036.7	1037.2	1037.6	1038.1
137.5°	1084.9	1086.1	1087.4	1088.6	1089.8	1090.4	1090.3	1090.2	1090.1	1090.1	1090.5
140°	1117.9	1119.3	1120.7	1122.1	1123.5	1124.0	1123.5	1123.1	1122.6	1122.1	1122.3
142.5°	1149.2	1150.6	1151.9	1153.3	1154.8	1155.4	1155.4	1155.2	1155.1	1155.0	1154.7
145°	1195.0	1196.4	1197.8	1199.1	1200.6	1201.2	1200.9	1200.7	1200.4	1200.2	1200.2
147.5°	1232.7	1234.4	1236.1	1237.8	1239.5	1240.2	1239.9	1239.7	1239.3	1239.1	1238.8
150°	1257.2	1259.1	1260.9	1262.8	1264.7	1265.4	1264.9	1264.5	1264.0	1263.6	1263.1
152.5°	1280.0	1281.7	1283.4	1285.1	1286.8	1287.4	1286.9	1286.5	1286.0	1285.5	1285.1
155°	1310.0	1311.9	1313.8	1315.6	1317.5	1318.1	1317.4	1316.7	1316.0	1315.3	1314.8
157.5°	1335.1	1337.0	1338.9	1340.8	1342.6	1343.2	1342.5	1341.7	1340.9	1340.2	1340.2
160°	1351.2	1353.1	1354.9	1356.8	1358.7	1359.2	1358.2	1357.3	1356.3	1355.4	1355.2
162.5°	1365.5	1367.6	1369.6	1371.7	1373.8	1374.2	1372.9	1371.5	1370.2	1368.9	1368.6
165°	1384.9	1386.8	1388.7	1390.6	1392.4	1392.7	1391.3	1389.8	1388.5	1387.1	1386.8
167.5°	1398.5	1400.6	1402.7	1404.8	1406.9	1407.1	1405.4	1403.8	1402.1	1400.4	1400.1
170°	1406.1	1408.2	1410.3	1412.4	1414.5	1414.6	1412.8	1410.9	1409.0	1407.1	1406.9
172.5°	1411.1	1413.2	1415.4	1417.5	1419.6	1419.8	1418.1	1416.4	1414.7	1413.0	1412.6
175°	1417.6	1419.8	1421.9	1424.0	1426.1	1426.2	1424.3	1422.5	1420.6	1418.7	1418.5
177.5°	1421.5	1422.9	1424.5	1426.0	1427.5	1427.6	1426.3	1425.0	1423.7	1422.3	1422.1
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	775.3	773.6	770.3	767.4	763.6	760.4	758.1	755.5	752.0	747.8	744.3
5°	809.6	802.7	793.8	786.0	776.2	768.4	760.3	752.6	744.9	734.9	726.3
7.5°	847.6	833.6	819.9	802.7	787.0	773.1	759.7	746.2	732.9	718.8	705.2
10°	870.9	853.9	834.9	813.3	793.4	774.6	757.2	740.2	722.3	706.5	689.4
12.5°	892.7	870.7	849.1	821.7	797.9	774.9	752.8	731.6	712.3	691.9	673.5
15°	912.4	890.7	866.6	833.2	800.0	772.1	746.1	718.5	694.7	671.7	651.3
17.5°	920.0	897.3	869.2	837.1	800.9	765.8	732.3	702.1	674.0	647.3	624.3
20°	917.0	895.0	866.3	835.6	796.9	760.3	724.1	690.6	659.3	631.2	606.7
22.5°	909.9	887.1	859.3	827.0	790.2	751.4	712.7	677.0	644.2	615.1	588.4
25°	899.1	868.1	839.6	808.0	773.1	734.7	694.7	655.3	620.4	590.6	561.5
27.5°	887.9	849.2	813.0	781.5	744.6	710.4	671.8	631.5	594.7	564.4	534.6
30°	877.8	834.4	794.4	758.8	723.8	691.3	654.7	615.4	577.6	546.3	516.0
32.5°	865.1	819.0	775.1	734.0	700.3	668.0	634.9	597.3	560.5	528.2	497.4
35°	849.2	790.4	742.7	699.0	661.5	630.2	600.5	570.1	533.3	499.9	469.9
37.5°	828.4	761.7	706.5	658.8	619.4	587.9	564.5	536.7	503.1	471.1	443.2
40°	815.8	740.9	680.4	633.3	591.8	558.7	536.7	513.1	482.5	452.5	424.6
42.5°	798.9	721.8	654.2	605.1	563.4	531.5	509.2	488.7	462.9	434.6	404.8
45°	765.9	684.8	613.8	561.2	519.1	487.8	467.0	448.7	429.3	403.2	377.2
47.5°	722.9	646.2	571.9	514.5	473.2	444.2	424.0	409.6	395.7	373.6	348.3
50°	688.5	614.5	542.0	486.2	442.3	414.7	395.8	384.3	371.6	351.6	330.4
52.5°	647.8	581.8	510.8	453.8	412.3	386.5	368.3	356.9	346.3	330.0	309.9
55°	583.8	525.9	460.8	409.1	371.0	345.0	327.7	316.8	310.6	296.7	280.9
57.5°	509.9	468.4	411.1	361.2	327.5	301.7	289.1	279.9	272.9	263.0	251.8
60°	458.4	429.3	377.8	330.4	299.5	275.0	263.6	255.8	249.3	240.9	232.3
62.5°	406.1	384.9	340.2	299.5	271.0	250.5	239.8	232.8	225.3	219.6	211.2
65°	336.1	317.2	286.2	254.3	228.0	211.6	203.8	197.6	193.0	186.8	180.8
67.5°	261.4	253.7	232.4	210.3	191.4	176.8	170.2	165.8	160.2	156.5	152.5
70°	215.6	211.8	196.7	182.1	164.4	154.6	148.4	146.5	139.7	136.0	133.1
72.5°	175.0	173.2	164.4	154.3	141.9	133.2	127.5	125.4	121.1	118.1	116.3
75°	119.8	120.5	119.0	112.4	107.8	102.2	97.3	96.0	92.9	90.4	88.9
77.5°	75.8	79.0	79.1	78.8	77.0	73.5	71.5	70.5	67.5	66.6	66.2
80°	52.0	55.4	58.5	58.2	57.6	56.7	55.1	54.2	52.7	51.7	51.1
82.5°	34.7	37.8	40.4	42.2	42.0	41.1	40.0	39.5	39.3	38.6	38.5
85°	16.4	17.0	17.9	20.1	21.7	22.0	21.7	21.4	20.5	20.8	21.0
87.5°	8.4	8.1	8.0	7.7	7.0	7.9	8.2	8.2	8.0	7.9	7.7
90°	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1	2.9	4.8	6.7
92.5°	13.9	12.6	11.1	11.0	12.3	13.6	14.9	16.2	14.9	13.6	12.3
95°	34.7	43.6	52.5	57.3	58.0	58.8	59.4	60.2	59.4	58.8	58.0
97.5°	87.2	104.8	122.5	130.7	129.4	128.2	126.9	125.6	126.9	128.2	129.4
100°	181.8	180.8	179.9	179.1	178.4	177.7	177.0	176.3	177.0	177.7	178.4
102.5°	233.3	232.7	232.1	231.4	230.5	229.6	228.7	227.8	228.7	229.6	230.5
105°	314.5	314.5	314.5	314.1	313.2	312.3	311.3	310.4	311.3	312.3	313.2
107.5°	397.2	396.8	396.3	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1
110°	453.0	452.5	452.0	451.8	451.8	451.8	451.8	451.8	451.8	451.8	451.8



TEST NUMBER: P333672-930

CATALOG NUMBER: S125RDIW-S610D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	507.4	507.1	506.9	506.4	505.8	505.3	504.8	504.2	504.8	505.3	505.8
115°	588.6	588.3	588.1	587.4	586.2	585.1	583.8	582.7	583.8	585.1	586.2
117.5°	666.0	665.1	664.2	663.8	663.8	663.9	663.9	664.0	663.9	663.9	663.8
120°	715.3	714.6	714.0	713.7	714.0	714.2	714.4	714.6	714.4	714.2	714.0
122.5°	764.3	763.9	763.6	763.0	762.1	761.2	760.3	759.4	760.3	761.2	762.1
125°	836.0	836.0	836.0	835.2	833.6	831.9	830.3	828.7	830.3	831.9	833.6
127.5°	899.7	899.8	899.9	899.4	898.2	897.1	895.9	894.7	895.9	897.1	898.2
130°	941.1	940.9	940.7	940.0	938.8	937.6	936.5	935.2	936.5	937.6	938.8
132.5°	980.6	981.1	981.7	981.2	979.9	978.5	977.1	975.8	977.1	978.5	979.9
135°	1038.6	1039.1	1039.5	1039.1	1037.6	1036.2	1034.9	1033.5	1034.9	1036.2	1037.6
137.5°	1090.9	1091.3	1091.7	1091.3	1090.1	1088.8	1087.6	1086.5	1087.6	1088.8	1090.1
140°	1122.6	1122.8	1123.1	1122.9	1122.4	1122.0	1121.5	1121.0	1121.5	1122.0	1122.4
142.5°	1154.4	1154.1	1153.7	1153.4	1153.2	1152.8	1152.6	1152.3	1152.6	1152.8	1153.2
145°	1200.2	1200.2	1200.2	1200.0	1199.5	1199.1	1198.6	1198.1	1198.6	1199.1	1199.5
147.5°	1238.5	1238.2	1238.0	1237.9	1238.0	1238.0	1238.1	1238.2	1238.1	1238.0	1238.0
150°	1262.7	1262.2	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6	1263.1	1262.7	1262.2
152.5°	1284.6	1284.1	1283.6	1283.9	1285.0	1286.0	1287.0	1288.0	1287.0	1286.0	1285.0
155°	1314.3	1313.9	1313.4	1313.9	1315.3	1316.7	1318.1	1319.5	1318.1	1316.7	1315.3
157.5°	1340.1	1340.0	1340.0	1340.4	1341.2	1342.1	1343.0	1343.8	1343.0	1342.1	1341.2
160°	1354.9	1354.7	1354.5	1355.0	1356.4	1357.9	1359.3	1360.7	1359.3	1357.9	1356.4
162.5°	1368.5	1368.2	1368.0	1368.6	1369.9	1371.3	1372.8	1374.2	1372.8	1371.3	1369.9
165°	1386.6	1386.3	1386.1	1386.7	1388.1	1389.5	1390.9	1392.4	1390.9	1389.5	1388.1
167.5°	1399.9	1399.6	1399.5	1400.0	1401.5	1403.0	1404.4	1405.8	1404.4	1403.0	1401.5
170°	1406.6	1406.4	1406.1	1406.9	1408.5	1410.1	1411.9	1413.5	1411.9	1410.1	1408.5
172.5°	1412.2	1411.8	1411.4	1411.9	1413.6	1415.3	1416.9	1418.5	1416.9	1415.3	1413.6
175°	1418.3	1418.1	1417.8	1418.4	1419.8	1421.2	1422.6	1424.0	1422.6	1421.2	1419.8
177.5°	1422.0	1421.8	1421.6	1422.0	1423.2	1424.3	1425.4	1426.5	1425.4	1424.3	1423.2
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333672-930

CATALOG NUMBER: S125RDIW-S610D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	741.8	738.3	735.9	730.9	727.4	725.9	723.3	722.5	725.2	723.3	723.0
5°	719.7	710.8	703.7	696.5	688.8	683.9	676.4	675.1	673.3	670.5	669.9
7.5°	693.3	681.6	672.5	660.6	650.4	642.2	632.9	628.5	626.1	622.5	617.7
10°	675.5	661.5	649.1	637.4	624.7	614.5	605.2	598.0	593.4	589.1	587.2
12.5°	657.9	643.7	627.9	613.6	599.4	587.9	577.6	573.0	567.9	562.8	558.5
15°	630.6	611.6	594.4	577.9	565.8	553.4	543.6	536.7	529.0	526.8	518.4
17.5°	601.6	583.0	562.7	545.4	531.5	517.8	507.0	499.2	493.3	485.3	481.5
20°	583.5	561.5	541.7	525.9	510.4	494.3	483.1	476.6	471.1	464.6	461.5
22.5°	564.2	542.7	522.4	503.9	488.1	472.2	464.3	457.5	451.3	445.2	441.2
25°	535.8	514.1	492.8	473.5	457.1	445.6	436.3	428.6	425.3	419.3	415.0
27.5°	507.8	484.7	462.5	443.4	430.5	419.1	411.6	405.4	399.3	394.1	390.4
30°	489.7	466.1	442.0	426.8	413.1	402.4	394.0	388.1	383.4	378.8	376.0
32.5°	471.6	447.3	425.8	409.4	396.6	387.2	378.6	372.9	368.0	362.9	359.6
35°	442.5	417.8	400.5	384.3	371.6	363.0	357.1	349.0	345.0	341.3	337.9
37.5°	415.6	392.6	373.8	359.7	348.7	340.1	332.5	328.1	323.2	319.8	317.0
40°	395.8	374.7	357.8	342.8	334.8	325.2	318.0	312.5	308.8	304.4	301.3
42.5°	378.0	358.4	341.9	328.5	318.5	310.3	303.5	297.9	293.2	290.1	287.5
45°	352.8	333.2	317.2	304.8	295.5	287.7	280.6	277.8	271.6	267.9	266.7
47.5°	326.7	309.2	293.7	282.3	272.7	265.4	258.7	253.1	249.6	246.0	244.0
50°	309.1	292.4	277.8	266.7	257.4	249.3	243.1	239.4	234.7	231.4	228.9
52.5°	291.5	276.0	261.5	250.8	242.7	234.7	227.8	224.0	219.6	217.4	215.7
55°	266.4	250.0	237.6	227.0	218.7	211.2	204.7	201.0	198.2	196.1	195.4
57.5°	237.8	224.9	213.4	203.8	195.2	188.2	182.5	179.0	176.5	176.2	174.3
60°	219.2	207.5	197.0	186.8	179.3	172.8	167.9	163.9	161.3	161.0	160.5
62.5°	200.7	189.4	179.6	170.6	164.0	157.7	153.0	148.5	147.0	145.4	144.1
65°	173.1	162.9	154.8	147.7	140.6	135.3	130.7	127.9	124.5	122.6	119.3
67.5°	146.0	138.1	130.4	124.4	118.8	113.8	110.0	105.8	103.5	102.0	99.5
70°	128.2	122.1	114.3	107.8	103.5	99.4	96.3	91.6	90.1	88.9	87.6
72.5°	111.4	105.9	99.4	94.2	89.8	86.0	82.4	80.3	78.8	77.5	76.7
75°	87.6	82.3	76.8	73.1	70.0	66.9	65.1	63.5	62.9	62.5	61.3
77.5°	64.3	61.6	57.1	54.1	52.1	50.9	49.2	48.3	48.3	47.0	46.6
80°	49.2	47.7	43.9	42.7	41.2	39.9	39.1	37.5	36.0	35.3	34.4
82.5°	36.6	35.1	33.6	31.6	30.3	29.5	28.6	28.0	28.2	27.4	26.9
85°	19.5	17.9	17.4	17.0	16.4	17.0	16.7	16.4	16.1	15.8	16.1
87.5°	7.9	8.2	8.3	9.1	8.7	9.3	9.5	9.5	9.8	10.0	9.9
90°	8.6	10.4	12.0	13.6	15.2	16.9	18.1	19.2	20.4	21.6	22.5
92.5°	11.0	11.1	12.6	13.9	15.4	16.9	18.1	19.2	20.4	21.6	22.3
95°	57.3	52.5	43.6	34.7	25.8	16.9	18.1	19.2	20.4	21.6	22.2
97.5°	130.7	122.5	104.8	87.2	69.5	51.9	45.3	38.7	32.1	25.4	22.2
100°	179.1	179.9	180.8	181.8	182.7	183.7	148.7	113.7	78.8	43.9	25.9
102.5°	231.4	232.1	232.7	233.3	233.7	234.3	227.7	221.1	214.5	207.9	196.6
105°	314.1	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5
107.5°	396.1	396.3	396.8	397.2	397.7	398.2	398.2	398.3	398.4	398.4	398.0
110°	451.8	452.0	452.5	453.0	453.5	453.9	453.2	452.5	451.8	451.1	450.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	506.4	506.9	507.1	507.4	507.7	507.9	507.0	506.1	505.3	504.4	503.8
115°	587.4	588.1	588.3	588.6	588.8	589.1	588.1	587.2	586.2	585.3	584.1
117.5°	663.8	664.2	665.1	666.0	666.9	667.8	666.6	665.4	664.1	662.9	661.9
120°	713.7	714.0	714.6	715.3	716.1	716.7	716.3	715.8	715.3	714.9	714.0
122.5°	763.0	763.6	763.9	764.3	764.6	764.9	764.4	763.9	763.4	763.0	762.1
125°	835.2	836.0	836.0	836.0	836.0	836.0	835.1	834.1	833.2	832.3	831.4
127.5°	899.4	899.9	899.8	899.7	899.5	899.4	898.9	898.4	897.8	897.3	896.2
130°	940.0	940.7	940.9	941.1	941.3	941.6	940.9	940.2	939.5	938.8	937.8
132.5°	981.2	981.7	981.1	980.6	980.2	979.6	979.5	979.3	979.2	979.0	978.4
135°	1039.1	1039.5	1039.1	1038.6	1038.1	1037.6	1037.2	1036.7	1036.2	1035.8	1034.9
137.5°	1091.3	1091.7	1091.3	1090.9	1090.5	1090.1	1090.1	1090.2	1090.3	1090.4	1089.8
140°	1122.9	1123.1	1122.8	1122.6	1122.3	1122.1	1122.6	1123.1	1123.5	1124.0	1123.5
142.5°	1153.4	1153.7	1154.1	1154.4	1154.7	1155.0	1155.1	1155.2	1155.4	1155.4	1154.8
145°	1200.0	1200.2	1200.2	1200.2	1200.2	1200.2	1200.4	1200.7	1200.9	1201.2	1200.6
147.5°	1237.9	1238.0	1238.2	1238.5	1238.8	1239.1	1239.3	1239.7	1239.9	1240.2	1239.5
150°	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6	1264.0	1264.5	1264.9	1265.4	1264.7
152.5°	1283.9	1283.6	1284.1	1284.6	1285.1	1285.5	1286.0	1286.5	1286.9	1287.4	1286.8
155°	1313.9	1313.4	1313.9	1314.3	1314.8	1315.3	1316.0	1316.7	1317.4	1318.1	1317.5
157.5°	1340.4	1340.0	1340.0	1340.1	1340.2	1340.2	1340.9	1341.7	1342.5	1343.2	1342.6
160°	1355.0	1354.5	1354.7	1354.9	1355.2	1355.4	1356.3	1357.3	1358.2	1359.2	1358.7
162.5°	1368.6	1368.0	1368.2	1368.5	1368.6	1368.9	1370.2	1371.5	1372.9	1374.2	1373.8
165°	1386.7	1386.1	1386.3	1386.6	1386.8	1387.1	1388.5	1389.8	1391.3	1392.7	1392.4
167.5°	1400.0	1399.5	1399.6	1399.9	1400.1	1400.4	1402.1	1403.8	1405.4	1407.1	1406.9
170°	1406.9	1406.1	1406.4	1406.6	1406.9	1407.1	1409.0	1410.9	1412.8	1414.6	1414.5
172.5°	1411.9	1411.4	1411.8	1412.2	1412.6	1413.0	1414.7	1416.4	1418.1	1419.8	1419.6
175°	1418.4	1417.8	1418.1	1418.3	1418.5	1418.7	1420.6	1422.5	1424.3	1426.2	1426.1
177.5°	1422.0	1421.6	1421.8	1422.0	1422.1	1422.3	1423.7	1425.0	1426.3	1427.6	1427.5
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333672-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	722.8	720.0	719.3	720.2	719.3	720.0	722.8	723.0	723.3	725.2	722.5
5°	666.8	663.7	665.3	664.6	665.3	663.7	666.8	669.9	670.5	673.3	675.1
7.5°	617.6	613.8	609.7	611.0	609.7	613.8	617.6	617.7	622.5	626.1	628.5
10°	583.2	580.1	578.2	579.8	578.2	580.1	583.2	587.2	589.1	593.4	598.0
12.5°	554.2	552.4	550.7	550.1	550.7	552.4	554.2	558.5	562.8	567.9	573.0
15°	514.7	511.0	509.5	505.5	509.5	511.0	514.7	518.4	526.8	529.0	536.7
17.5°	478.3	477.1	473.1	471.4	473.1	477.1	478.3	481.5	485.3	493.3	499.2
20°	456.8	455.6	451.6	454.0	451.6	455.6	456.8	461.5	464.6	471.1	476.6
22.5°	439.0	436.3	435.0	434.2	435.0	436.3	439.0	441.2	445.2	451.3	457.5
25°	413.8	409.8	408.2	406.3	408.2	409.8	413.8	415.0	419.3	425.3	428.6
27.5°	388.7	386.5	384.4	383.9	384.4	386.5	388.7	390.4	394.1	399.3	405.4
30°	372.3	370.1	368.5	368.5	368.5	370.1	372.3	376.0	378.8	383.4	388.1
32.5°	357.7	356.0	354.4	354.2	354.4	356.0	357.7	359.6	362.9	368.0	372.9
35°	336.3	333.9	333.2	331.4	333.2	333.9	336.3	337.9	341.3	345.0	349.0
37.5°	314.2	312.2	312.1	311.9	312.1	312.2	314.2	317.0	319.8	323.2	328.1
40°	300.1	298.6	298.2	296.1	298.2	298.6	300.1	301.3	304.4	308.8	312.5
42.5°	285.0	284.2	283.2	282.2	283.2	284.2	285.0	287.5	290.1	293.2	297.9
45°	264.5	262.4	262.4	260.8	262.4	262.4	264.5	266.7	267.9	271.6	277.8
47.5°	243.3	241.7	241.8	240.2	241.8	241.7	243.3	244.0	246.0	249.6	253.1
50°	229.2	228.3	228.0	227.3	228.0	228.3	229.2	228.9	231.4	234.7	239.4
52.5°	215.1	214.7	215.8	214.4	215.8	214.7	215.1	215.7	217.4	219.6	224.0
55°	196.1	195.1	197.0	195.1	197.0	195.1	196.1	195.4	196.1	198.2	201.0
57.5°	174.1	173.3	175.0	174.1	175.0	173.3	174.1	174.3	176.2	176.5	179.0
60°	159.8	157.9	158.9	159.2	158.9	157.9	159.8	160.5	161.0	161.3	163.9
62.5°	142.7	141.6	142.3	140.9	142.3	141.6	142.7	144.1	145.4	147.0	148.5
65°	118.6	117.7	116.4	115.9	116.4	117.7	118.6	119.3	122.6	124.5	127.9
67.5°	99.6	97.4	97.3	97.8	97.3	97.4	99.6	99.5	102.0	103.5	105.8
70°	85.8	85.8	85.4	85.4	85.4	85.8	85.8	87.6	88.9	90.1	91.6
72.5°	76.1	75.9	75.3	75.1	75.3	75.9	76.1	76.7	77.5	78.8	80.3
75°	61.3	61.6	61.0	60.7	61.0	61.6	61.3	61.3	62.5	62.9	63.5
77.5°	45.2	43.9	44.7	43.9	44.7	43.9	45.2	46.6	47.0	48.3	48.3
80°	34.4	34.1	35.0	34.1	35.0	34.1	34.4	34.4	35.3	36.0	37.5
82.5°	27.2	26.9	27.3	26.7	27.3	26.9	27.2	26.9	27.4	28.2	28.0
85°	16.4	16.1	15.8	16.1	15.8	16.1	16.4	16.1	15.8	16.1	16.4
87.5°	10.4	10.3	10.4	10.5	10.4	10.3	10.4	9.9	10.0	9.8	9.5
90°	23.2	23.9	24.6	25.4	24.6	23.9	23.2	22.5	21.6	20.4	19.2
92.5°	22.7	23.0	23.3	23.6	23.3	23.0	22.7	22.3	21.6	20.4	19.2
95°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.6	20.4	19.2
97.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	25.4	32.1	38.7
100°	24.9	24.1	23.1	22.2	23.1	24.1	24.9	25.9	43.9	78.8	113.7
102.5°	180.7	164.7	148.7	132.8	148.7	164.7	180.7	196.6	207.9	214.5	221.1
105°	314.2	314.0	313.7	313.5	313.7	314.0	314.2	314.5	314.5	314.5	314.5
107.5°	397.3	396.6	395.9	395.3	395.9	396.6	397.3	398.0	398.4	398.4	398.3
110°	451.1	451.3	451.6	451.8	451.6	451.3	451.1	450.9	451.1	451.8	452.5



TEST NUMBER: P333672-930

CATALOG NUMBER: S125RDIW-S610D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	503.4	503.1	502.8	502.5	502.8	503.1	503.4	503.8	504.4	505.3	506.1
115°	582.7	581.3	579.8	578.5	579.8	581.3	582.7	584.1	585.3	586.2	587.2
117.5°	661.4	660.8	660.1	659.6	660.1	660.8	661.4	661.9	662.9	664.1	665.4
120°	712.9	711.7	710.5	709.4	710.5	711.7	712.9	714.0	714.9	715.3	715.8
122.5°	760.8	759.4	758.0	756.7	758.0	759.4	760.8	762.1	763.0	763.4	763.9
125°	830.8	830.1	829.3	828.7	829.3	830.1	830.8	831.4	832.3	833.2	834.1
127.5°	894.5	892.8	891.0	889.2	891.0	892.8	894.5	896.2	897.3	897.8	898.4
130°	936.7	935.5	934.3	933.2	934.3	935.5	936.7	937.8	938.8	939.5	940.2
132.5°	977.2	976.1	974.9	973.7	974.9	976.1	977.2	978.4	979.0	979.2	979.3
135°	1033.5	1032.0	1030.6	1029.2	1030.6	1032.0	1033.5	1034.9	1035.8	1036.2	1036.7
137.5°	1088.6	1087.4	1086.1	1084.9	1086.1	1087.4	1088.6	1089.8	1090.4	1090.3	1090.2
140°	1122.1	1120.7	1119.3	1117.9	1119.3	1120.7	1122.1	1123.5	1124.0	1123.5	1123.1
142.5°	1153.3	1151.9	1150.6	1149.2	1150.6	1151.9	1153.3	1154.8	1155.4	1155.4	1155.2
145°	1199.1	1197.8	1196.4	1195.0	1196.4	1197.8	1199.1	1200.6	1201.2	1200.9	1200.7
147.5°	1237.8	1236.1	1234.4	1232.7	1234.4	1236.1	1237.8	1239.5	1240.2	1239.9	1239.7
150°	1262.8	1260.9	1259.1	1257.2	1259.1	1260.9	1262.8	1264.7	1265.4	1264.9	1264.5
152.5°	1285.1	1283.4	1281.7	1280.0	1281.7	1283.4	1285.1	1286.8	1287.4	1286.9	1286.5
155°	1315.6	1313.8	1311.9	1310.0	1311.9	1313.8	1315.6	1317.5	1318.1	1317.4	1316.7
157.5°	1340.8	1338.9	1337.0	1335.1	1337.0	1338.9	1340.8	1342.6	1343.2	1342.5	1341.7
160°	1356.8	1354.9	1353.1	1351.2	1353.1	1354.9	1356.8	1358.7	1359.2	1358.2	1357.3
162.5°	1371.7	1369.6	1367.6	1365.5	1367.6	1369.6	1371.7	1373.8	1374.2	1372.9	1371.5
165°	1390.6	1388.7	1386.8	1384.9	1386.8	1388.7	1390.6	1392.4	1392.7	1391.3	1389.8
167.5°	1404.8	1402.7	1400.6	1398.5	1400.6	1402.7	1404.8	1406.9	1407.1	1405.4	1403.8
170°	1412.4	1410.3	1408.2	1406.1	1408.2	1410.3	1412.4	1414.5	1414.6	1412.8	1410.9
172.5°	1417.5	1415.4	1413.2	1411.1	1413.2	1415.4	1417.5	1419.6	1419.8	1418.1	1416.4
175°	1424.0	1421.9	1419.8	1417.6	1419.8	1421.9	1424.0	1426.1	1426.2	1424.3	1422.5
177.5°	1426.0	1424.5	1422.9	1421.5	1422.9	1424.5	1426.0	1427.5	1427.6	1426.3	1425.0
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333672-930

CATALOG NUMBER: S125RDIW-S610D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	723.3	725.9	727.4	730.9	735.9	738.3	741.8	744.3	747.8	752.0	755.5
5°	676.4	683.9	688.8	696.5	703.7	710.8	719.7	726.3	734.9	744.9	752.6
7.5°	632.9	642.2	650.4	660.6	672.5	681.6	693.3	705.2	718.8	732.9	746.2
10°	605.2	614.5	624.7	637.4	649.1	661.5	675.5	689.4	706.5	722.3	740.2
12.5°	577.6	587.9	599.4	613.6	627.9	643.7	657.9	673.5	691.9	712.3	731.6
15°	543.6	553.4	565.8	577.9	594.4	611.6	630.6	651.3	671.7	694.7	718.5
17.5°	507.0	517.8	531.5	545.4	562.7	583.0	601.6	624.3	647.3	674.0	702.1
20°	483.1	494.3	510.4	525.9	541.7	561.5	583.5	606.7	631.2	659.3	690.6
22.5°	464.3	472.2	488.1	503.9	522.4	542.7	564.2	588.4	615.1	644.2	677.0
25°	436.3	445.6	457.1	473.5	492.8	514.1	535.8	561.5	590.6	620.4	655.3
27.5°	411.6	419.1	430.5	443.4	462.5	484.7	507.8	534.6	564.4	594.7	631.5
30°	394.0	402.4	413.1	426.8	442.0	466.1	489.7	516.0	546.3	577.6	615.4
32.5°	378.6	387.2	396.6	409.4	425.8	447.3	471.6	497.4	528.2	560.5	597.3
35°	357.1	363.0	371.6	384.3	400.5	417.8	442.5	469.9	499.9	533.3	570.1
37.5°	332.5	340.1	348.7	359.7	373.8	392.6	415.6	443.2	471.1	503.1	536.7
40°	318.0	325.2	334.8	342.8	357.8	374.7	395.8	424.6	452.5	482.5	513.1
42.5°	303.5	310.3	318.5	328.5	341.9	358.4	378.0	404.8	434.6	462.9	488.7
45°	280.6	287.7	295.5	304.8	317.2	333.2	352.8	377.2	403.2	429.3	448.7
47.5°	258.7	265.4	272.7	282.3	293.7	309.2	326.7	348.3	373.6	395.7	409.6
50°	243.1	249.3	257.4	266.7	277.8	292.4	309.1	330.4	351.6	371.6	384.3
52.5°	227.8	234.7	242.7	250.8	261.5	276.0	291.5	309.9	330.0	346.3	356.9
55°	204.7	211.2	218.7	227.0	237.6	250.0	266.4	280.9	296.7	310.6	316.8
57.5°	182.5	188.2	195.2	203.8	213.4	224.9	237.8	251.8	263.0	272.9	279.9
60°	167.9	172.8	179.3	186.8	197.0	207.5	219.2	232.3	240.9	249.3	255.8
62.5°	153.0	157.7	164.0	170.6	179.6	189.4	200.7	211.2	219.6	225.3	232.8
65°	130.7	135.3	140.6	147.7	154.8	162.9	173.1	180.8	186.8	193.0	197.6
67.5°	110.0	113.8	118.8	124.4	130.4	138.1	146.0	152.5	156.5	160.2	165.8
70°	96.3	99.4	103.5	107.8	114.3	122.1	128.2	133.1	136.0	139.7	146.5
72.5°	82.4	86.0	89.8	94.2	99.4	105.9	111.4	116.3	118.1	121.1	125.4
75°	65.1	66.9	70.0	73.1	76.8	82.3	87.6	88.9	90.4	92.9	96.0
77.5°	49.2	50.9	52.1	54.1	57.1	61.6	64.3	66.2	66.6	67.5	70.5
80°	39.1	39.9	41.2	42.7	43.9	47.7	49.2	51.1	51.7	52.7	54.2
82.5°	28.6	29.5	30.3	31.6	33.6	35.1	36.6	38.5	38.6	39.3	39.5
85°	16.7	17.0	16.4	17.0	17.4	17.9	19.5	21.0	20.8	20.5	21.4
87.5°	9.5	9.3	8.7	9.1	8.3	8.2	7.9	7.7	7.9	8.0	8.2
90°	18.1	16.9	15.2	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1
92.5°	18.1	16.9	15.4	13.9	12.6	11.1	11.0	12.3	13.6	14.9	16.2
95°	18.1	16.9	25.8	34.7	43.6	52.5	57.3	58.0	58.8	59.4	60.2
97.5°	45.3	51.9	69.5	87.2	104.8	122.5	130.7	129.4	128.2	126.9	125.6
100°	148.7	183.7	182.7	181.8	180.8	179.9	179.1	178.4	177.7	177.0	176.3
102.5°	227.7	234.3	233.7	233.3	232.7	232.1	231.4	230.5	229.6	228.7	227.8
105°	314.5	314.5	314.5	314.5	314.5	314.5	314.1	313.2	312.3	311.3	310.4
107.5°	398.2	398.2	397.7	397.2	396.8	396.3	396.1	396.1	396.1	396.1	396.1
110°	453.2	453.9	453.5	453.0	452.5	452.0	451.8	451.8	451.8	451.8	451.8



TEST NUMBER: P333672-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	507.0	507.9	507.7	507.4	507.1	506.9	506.4	505.8	505.3	504.8	504.2
115°	588.1	589.1	588.8	588.6	588.3	588.1	587.4	586.2	585.1	583.8	582.7
117.5°	666.6	667.8	666.9	666.0	665.1	664.2	663.8	663.8	663.9	663.9	664.0
120°	716.3	716.7	716.1	715.3	714.6	714.0	713.7	714.0	714.2	714.4	714.6
122.5°	764.4	764.9	764.6	764.3	763.9	763.6	763.0	762.1	761.2	760.3	759.4
125°	835.1	836.0	836.0	836.0	836.0	836.0	835.2	833.6	831.9	830.3	828.7
127.5°	898.9	899.4	899.5	899.7	899.8	899.9	899.4	898.2	897.1	895.9	894.7
130°	940.9	941.6	941.3	941.1	940.9	940.7	940.0	938.8	937.6	936.5	935.2
132.5°	979.5	979.6	980.2	980.6	981.1	981.7	981.2	979.9	978.5	977.1	975.8
135°	1037.2	1037.6	1038.1	1038.6	1039.1	1039.5	1039.1	1037.6	1036.2	1034.9	1033.5
137.5°	1090.1	1090.1	1090.5	1090.9	1091.3	1091.7	1091.3	1090.1	1088.8	1087.6	1086.5
140°	1122.6	1122.1	1122.3	1122.6	1122.8	1123.1	1122.9	1122.4	1122.0	1121.5	1121.0
142.5°	1155.1	1155.0	1154.7	1154.4	1154.1	1153.7	1153.4	1153.2	1152.8	1152.6	1152.3
145°	1200.4	1200.2	1200.2	1200.2	1200.2	1200.2	1200.0	1199.5	1199.1	1198.6	1198.1
147.5°	1239.3	1239.1	1238.8	1238.5	1238.2	1238.0	1237.9	1238.0	1238.0	1238.1	1238.2
150°	1264.0	1263.6	1263.1	1262.7	1262.2	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6
152.5°	1286.0	1285.5	1285.1	1284.6	1284.1	1283.6	1283.9	1285.0	1286.0	1287.0	1288.0
155°	1316.0	1315.3	1314.8	1314.3	1313.9	1313.4	1313.9	1315.3	1316.7	1318.1	1319.5
157.5°	1340.9	1340.2	1340.2	1340.1	1340.0	1340.0	1340.4	1341.2	1342.1	1343.0	1343.8
160°	1356.3	1355.4	1355.2	1354.9	1354.7	1354.5	1355.0	1356.4	1357.9	1359.3	1360.7
162.5°	1370.2	1368.9	1368.6	1368.5	1368.2	1368.0	1368.6	1369.9	1371.3	1372.8	1374.2
165°	1388.5	1387.1	1386.8	1386.6	1386.3	1386.1	1386.7	1388.1	1389.5	1390.9	1392.4
167.5°	1402.1	1400.4	1400.1	1399.9	1399.6	1399.5	1400.0	1401.5	1403.0	1404.4	1405.8
170°	1409.0	1407.1	1406.9	1406.6	1406.4	1406.1	1406.9	1408.5	1410.1	1411.9	1413.5
172.5°	1414.7	1413.0	1412.6	1412.2	1411.8	1411.4	1411.9	1413.6	1415.3	1416.9	1418.5
175°	1420.6	1418.7	1418.5	1418.3	1418.1	1417.8	1418.4	1419.8	1421.2	1422.6	1424.0
177.5°	1423.7	1422.3	1422.1	1422.0	1421.8	1421.6	1422.0	1423.2	1424.3	1425.4	1426.5
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333672-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	758.1	760.4	763.6	767.4	770.3	773.6	775.3	775.3	776.7	780.0	784.2
5°	760.3	768.4	776.2	786.0	793.8	802.7	809.6	816.1	822.0	829.4	837.1
7.5°	759.7	773.1	787.0	802.7	819.9	833.6	847.6	858.7	869.5	883.8	895.0
10°	757.2	774.6	793.4	813.3	834.9	853.9	870.9	886.4	901.2	916.7	930.7
12.5°	752.8	774.9	797.9	821.7	849.1	870.7	892.7	909.2	926.5	943.5	960.7
15°	746.1	772.1	800.0	833.2	866.6	890.7	912.4	933.8	949.9	969.1	985.5
17.5°	732.3	765.8	800.9	837.1	869.2	897.3	920.0	940.4	957.5	978.6	1000.9
20°	724.1	760.3	796.9	835.6	866.3	895.0	917.0	938.1	959.4	987.1	1014.3
22.5°	712.7	751.4	790.2	827.0	859.3	887.1	909.9	935.6	963.7	995.0	1027.9
25°	694.7	734.7	773.1	808.0	839.6	868.1	899.1	933.8	967.8	1009.0	1056.4
27.5°	671.8	710.4	744.6	781.5	813.0	849.2	887.9	925.4	974.6	1031.3	1090.5
30°	654.7	691.3	723.8	758.8	794.4	834.4	877.8	922.0	980.6	1047.1	1117.4
32.5°	634.9	668.0	700.3	734.0	775.1	819.0	865.1	919.2	989.2	1064.9	1137.8
35°	600.5	630.2	661.5	699.0	742.7	790.4	849.2	915.2	999.7	1081.2	1146.6
37.5°	564.5	587.9	619.4	658.8	706.5	761.7	828.4	908.6	995.4	1068.5	1096.3
40°	536.7	558.7	591.8	633.3	680.4	740.9	815.8	898.1	985.5	1036.2	1034.1
42.5°	509.2	531.5	563.4	605.1	654.2	721.8	798.9	884.5	958.2	977.5	937.3
45°	467.0	487.8	519.1	561.2	613.8	684.8	765.9	848.0	895.0	863.8	783.9
47.5°	424.0	444.2	473.2	514.5	571.9	646.2	722.9	790.3	796.9	729.7	633.8
50°	395.8	414.7	442.3	486.2	542.0	614.5	688.5	741.4	725.0	642.9	544.1
52.5°	368.3	386.5	412.3	453.8	510.8	581.8	647.8	689.4	651.4	564.2	475.3
55°	327.7	345.0	371.0	409.1	460.8	525.9	583.8	599.0	543.2	455.3	383.4
57.5°	289.1	301.7	327.5	361.2	411.1	468.4	509.9	507.2	445.6	366.5	315.0
60°	263.6	275.0	299.5	330.4	377.8	429.3	458.4	446.0	383.8	318.4	268.8
62.5°	239.8	250.5	271.0	299.5	340.2	384.9	406.1	389.0	330.2	272.8	233.4
65°	203.8	211.6	228.0	254.3	286.2	317.2	336.1	311.0	258.9	215.6	185.8
67.5°	170.2	176.8	191.4	210.3	232.4	253.7	261.4	237.8	197.4	168.2	147.2
70°	148.4	154.6	164.4	182.1	196.7	211.8	215.6	194.5	160.8	138.4	125.4
72.5°	127.5	133.2	141.9	154.3	164.4	173.2	175.0	155.3	129.6	114.1	104.1
75°	97.3	102.2	107.8	112.4	119.0	120.5	119.8	104.7	90.7	80.6	74.9
77.5°	71.5	73.5	77.0	78.8	79.1	79.0	75.8	66.2	59.0	54.8	52.5
80°	55.1	56.7	57.6	58.2	58.5	55.4	52.0	46.1	43.7	41.2	38.4
82.5°	40.0	41.1	42.0	42.2	40.4	37.8	34.7	31.8	30.0	28.8	27.7
85°	21.7	22.0	21.7	20.1	17.9	17.0	16.4	15.8	15.5	15.2	15.2
87.5°	8.2	7.9	7.0	7.7	8.0	8.1	8.4	8.5	8.6	8.8	9.0
90°	2.9	4.8	6.7	8.6	10.4	12.0	13.6	15.2	16.9	18.1	19.2
92.5°	14.9	13.6	12.3	11.0	11.1	12.6	13.9	15.4	16.9	18.1	19.2
95°	59.4	58.8	58.0	57.3	52.5	43.6	34.7	25.8	16.9	18.1	19.2
97.5°	126.9	128.2	129.4	130.7	122.5	104.8	87.2	69.5	51.9	45.3	38.7
100°	177.0	177.7	178.4	179.1	179.9	180.8	181.8	182.7	183.7	148.7	113.7
102.5°	228.7	229.6	230.5	231.4	232.1	232.7	233.3	233.7	234.3	227.7	221.1
105°	311.3	312.3	313.2	314.1	314.5	314.5	314.5	314.5	314.5	314.5	314.5
107.5°	396.1	396.1	396.1	396.1	396.3	396.8	397.2	397.7	398.2	398.2	398.3
110°	451.8	451.8	451.8	451.8	452.0	452.5	453.0	453.5	453.9	453.2	452.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	504.8	505.3	505.8	506.4	506.9	507.1	507.4	507.7	507.9	507.0	506.1
115°	583.8	585.1	586.2	587.4	588.1	588.3	588.6	588.8	589.1	588.1	587.2
117.5°	663.9	663.9	663.8	663.8	664.2	665.1	666.0	666.9	667.8	666.6	665.4
120°	714.4	714.2	714.0	713.7	714.0	714.6	715.3	716.1	716.7	716.3	715.8
122.5°	760.3	761.2	762.1	763.0	763.6	763.9	764.3	764.6	764.9	764.4	763.9
125°	830.3	831.9	833.6	835.2	836.0	836.0	836.0	836.0	836.0	835.1	834.1
127.5°	895.9	897.1	898.2	899.4	899.9	899.8	899.7	899.5	899.4	898.9	898.4
130°	936.5	937.6	938.8	940.0	940.7	940.9	941.1	941.3	941.6	940.9	940.2
132.5°	977.1	978.5	979.9	981.2	981.7	981.1	980.6	980.2	979.6	979.5	979.3
135°	1034.9	1036.2	1037.6	1039.1	1039.5	1039.1	1038.6	1038.1	1037.6	1037.2	1036.7
137.5°	1087.6	1088.8	1090.1	1091.3	1091.7	1091.3	1090.9	1090.5	1090.1	1090.1	1090.2
140°	1121.5	1122.0	1122.4	1122.9	1123.1	1122.8	1122.6	1122.3	1122.1	1122.6	1123.1
142.5°	1152.6	1152.8	1153.2	1153.4	1153.7	1154.1	1154.4	1154.7	1155.0	1155.1	1155.2
145°	1198.6	1199.1	1199.5	1200.0	1200.2	1200.2	1200.2	1200.2	1200.2	1200.4	1200.7
147.5°	1238.1	1238.0	1238.0	1237.9	1238.0	1238.2	1238.5	1238.8	1239.1	1239.3	1239.7
150°	1263.1	1262.7	1262.2	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6	1264.0	1264.5
152.5°	1287.0	1286.0	1285.0	1283.9	1283.6	1284.1	1284.6	1285.1	1285.5	1286.0	1286.5
155°	1318.1	1316.7	1315.3	1313.9	1313.4	1313.9	1314.3	1314.8	1315.3	1316.0	1316.7
157.5°	1343.0	1342.1	1341.2	1340.4	1340.0	1340.0	1340.1	1340.2	1340.2	1340.9	1341.7
160°	1359.3	1357.9	1356.4	1355.0	1354.5	1354.7	1354.9	1355.2	1355.4	1356.3	1357.3
162.5°	1372.8	1371.3	1369.9	1368.6	1368.0	1368.2	1368.5	1368.6	1368.9	1370.2	1371.5
165°	1390.9	1389.5	1388.1	1386.7	1386.1	1386.3	1386.6	1386.8	1387.1	1388.5	1389.8
167.5°	1404.4	1403.0	1401.5	1400.0	1399.5	1399.6	1399.9	1400.1	1400.4	1402.1	1403.8
170°	1411.9	1410.1	1408.5	1406.9	1406.1	1406.4	1406.6	1406.9	1407.1	1409.0	1410.9
172.5°	1416.9	1415.3	1413.6	1411.9	1411.4	1411.8	1412.2	1412.6	1413.0	1414.7	1416.4
175°	1422.6	1421.2	1419.8	1418.4	1417.8	1418.1	1418.3	1418.5	1418.7	1420.6	1422.5
177.5°	1425.4	1424.3	1423.2	1422.0	1421.6	1421.8	1422.0	1422.1	1422.3	1423.7	1425.0
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	787.4	787.4	791.7	791.3	794.1	793.1	793.6
5°	846.4	851.7	856.3	859.4	864.1	865.4	864.7
7.5°	907.7	919.3	925.0	932.9	934.3	938.3	937.9
10°	945.5	957.0	965.6	972.5	975.9	980.2	980.6
12.5°	975.3	985.0	992.7	999.0	1003.1	1004.5	1005.3
15°	998.5	1009.3	1018.3	1027.3	1032.6	1036.6	1038.8
17.5°	1021.9	1038.6	1054.5	1066.7	1074.0	1080.2	1080.1
20°	1040.0	1059.2	1079.0	1093.0	1107.2	1113.4	1114.4
22.5°	1059.3	1088.7	1114.2	1135.8	1154.5	1161.0	1163.4
25°	1099.4	1137.8	1177.2	1207.5	1229.2	1241.9	1243.8
27.5°	1147.9	1200.0	1241.3	1269.3	1287.4	1296.7	1298.8
30°	1182.2	1230.1	1267.3	1288.4	1296.7	1298.0	1293.3
32.5°	1197.5	1233.4	1248.2	1247.0	1230.6	1219.7	1215.5
35°	1178.8	1171.3	1135.1	1091.7	1058.6	1037.5	1031.9
37.5°	1072.7	1008.6	941.9	876.4	841.6	823.9	793.4
40°	968.2	876.8	807.4	752.3	713.0	681.3	673.9
42.5°	850.2	755.9	686.5	639.3	607.9	586.2	576.8
45°	683.2	602.1	544.8	508.5	484.4	468.6	461.5
47.5°	546.4	483.6	441.9	415.1	396.6	382.9	379.1
50°	471.4	421.2	385.9	363.3	349.4	338.8	334.5
52.5°	409.4	368.9	341.8	323.2	310.0	303.4	299.8
55°	337.9	302.9	283.4	268.5	261.1	255.8	253.3
57.5°	276.3	251.0	236.8	226.5	219.6	216.3	215.1
60°	241.9	222.1	209.0	201.0	196.3	192.0	190.8
62.5°	211.4	195.8	185.7	178.7	174.1	172.2	171.5
65°	170.3	160.1	152.7	148.4	144.6	144.0	143.7
67.5°	135.4	129.4	125.5	121.0	119.7	117.5	117.1
70°	115.9	111.8	107.1	105.6	104.0	101.9	102.2
72.5°	98.2	94.2	91.1	89.0	88.5	87.6	88.3
75°	71.8	70.6	69.4	67.8	67.2	67.2	66.9
77.5°	51.3	50.2	48.8	47.9	47.8	46.5	47.0
80°	37.2	35.6	35.0	35.3	34.4	34.1	34.1
82.5°	27.5	26.9	26.3	26.4	26.2	25.9	26.2
85°	15.2	14.8	14.8	14.6	14.6	14.3	14.3
87.5°	9.5	10.0	9.7	9.6	9.7	10.1	10.5
90°	20.4	21.6	22.5	23.2	23.9	24.6	25.4
92.5°	20.4	21.6	22.3	22.7	23.0	23.3	23.6
95°	20.4	21.6	22.2	22.2	22.2	22.2	22.2
97.5°	32.1	25.4	22.2	22.2	22.2	22.2	22.2
100°	78.8	43.9	25.9	24.9	24.1	23.1	22.2
102.5°	214.5	207.9	196.6	180.7	164.7	148.7	132.8
105°	314.5	314.5	314.5	314.2	314.0	313.7	313.5
107.5°	398.4	398.4	398.0	397.3	396.6	395.9	395.3
110°	451.8	451.1	450.9	451.1	451.3	451.6	451.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	505.3	504.4	503.8	503.4	503.1	502.8	502.5
115°	586.2	585.3	584.1	582.7	581.3	579.8	578.5
117.5°	664.1	662.9	661.9	661.4	660.8	660.1	659.6
120°	715.3	714.9	714.0	712.9	711.7	710.5	709.4
122.5°	763.4	763.0	762.1	760.8	759.4	758.0	756.7
125°	833.2	832.3	831.4	830.8	830.1	829.3	828.7
127.5°	897.8	897.3	896.2	894.5	892.8	891.0	889.2
130°	939.5	938.8	937.8	936.7	935.5	934.3	933.2
132.5°	979.2	979.0	978.4	977.2	976.1	974.9	973.7
135°	1036.2	1035.8	1034.9	1033.5	1032.0	1030.6	1029.2
137.5°	1090.3	1090.4	1089.8	1088.6	1087.4	1086.1	1084.9
140°	1123.5	1124.0	1123.5	1122.1	1120.7	1119.3	1117.9
142.5°	1155.4	1155.4	1154.8	1153.3	1151.9	1150.6	1149.2
145°	1200.9	1201.2	1200.6	1199.1	1197.8	1196.4	1195.0
147.5°	1239.9	1240.2	1239.5	1237.8	1236.1	1234.4	1232.7
150°	1264.9	1265.4	1264.7	1262.8	1260.9	1259.1	1257.2
152.5°	1286.9	1287.4	1286.8	1285.1	1283.4	1281.7	1280.0
155°	1317.4	1318.1	1317.5	1315.6	1313.8	1311.9	1310.0
157.5°	1342.5	1343.2	1342.6	1340.8	1338.9	1337.0	1335.1
160°	1358.2	1359.2	1358.7	1356.8	1354.9	1353.1	1351.2
162.5°	1372.9	1374.2	1373.8	1371.7	1369.6	1367.6	1365.5
165°	1391.3	1392.7	1392.4	1390.6	1388.7	1386.8	1384.9
167.5°	1405.4	1407.1	1406.9	1404.8	1402.7	1400.6	1398.5
170°	1412.8	1414.6	1414.5	1412.4	1410.3	1408.2	1406.1
172.5°	1418.1	1419.8	1419.6	1417.5	1415.4	1413.2	1411.1
175°	1424.3	1426.2	1426.1	1424.0	1421.9	1419.8	1417.6
177.5°	1426.3	1427.6	1427.5	1426.0	1424.5	1422.9	1421.5
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0

(END OF REPORT)