

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: P333538-935

Luminaire Tested: **S125RDIP-S610D1035U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333538-935
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: S125RDIP-S610D1035U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5627.9 lumens
Efficiency: N/A
Efficacy: 126.5 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

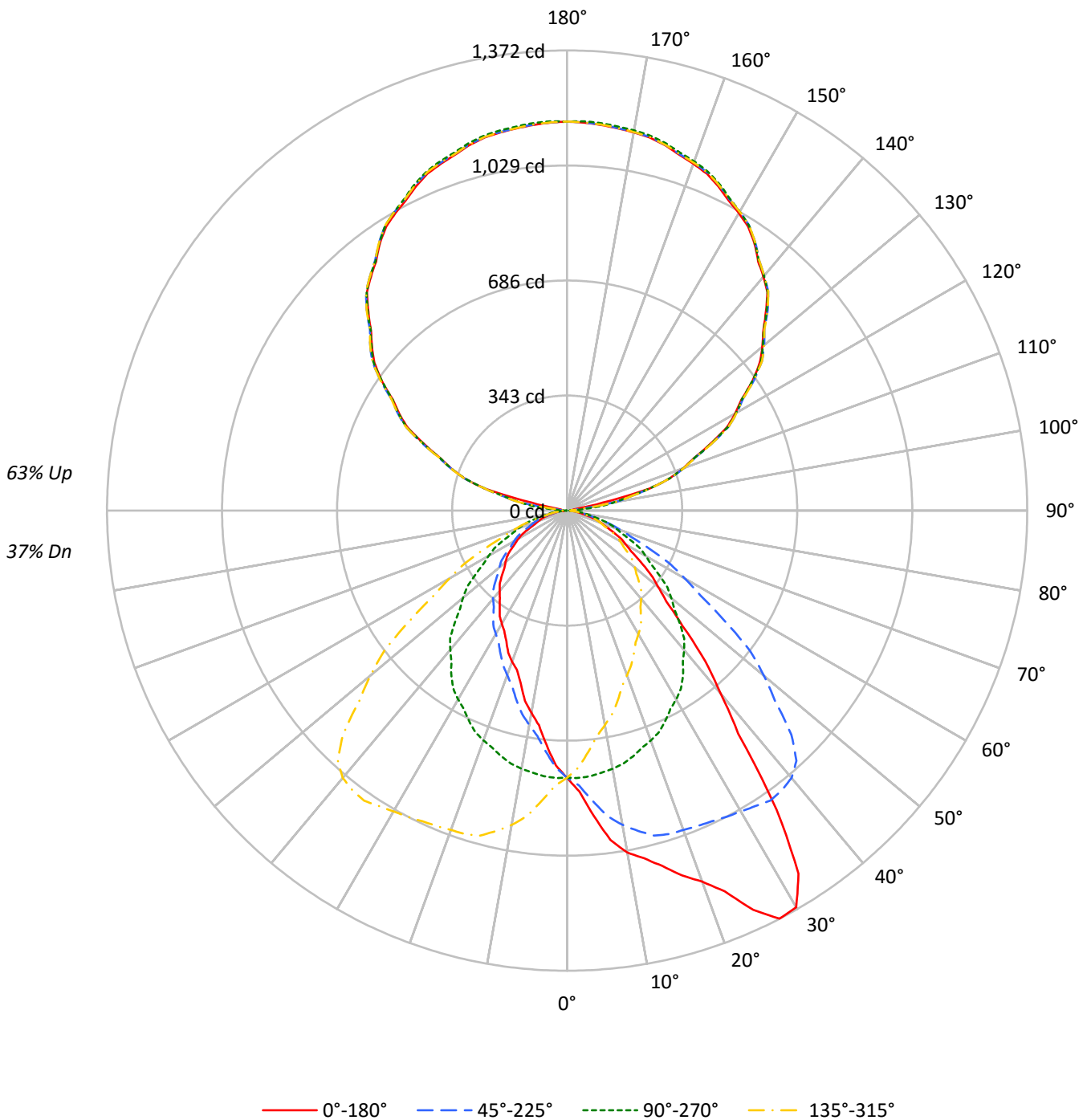
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



63% Up
37% Dn



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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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	38	38	32
2	87	80	74	69	78	73	68	63	59	56	52	46	44	42	35	33	32	27
3	79	70	63	58	72	64	58	53	52	48	44	41	38	36	31	29	28	23
4	73	62	55	49	66	57	50	45	46	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	25	23	21	17
6	61	50	42	36	55	46	39	34	37	32	29	30	26	24	23	20	19	15
7	57	45	37	32	51	41	34	30	34	29	25	27	24	21	21	18	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	19	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	18	15	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5146	5146	5146	5146
5°	5920	5153	4550	5153
10°	6791	5126	4015	5126
15°	7335	5073	3569	5073
20°	8088	5013	3296	5013
25°	9360	4932	3058	4932
30°	10185	4847	2902	4847
35°	8592	4747	2759	4747
40°	6000	4569	2636	4569
45°	4451	4328	2515	4328
50°	3550	4078	2411	4078
55°	3012	3768	2320	3768
60°	2603	3490	2173	3490
65°	2320	3189	1869	3189
70°	2039	2921	1703	2921
75°	1764	2530	1599	2530
80°	1339	2131	1339	2131
85°	1119	1675	1260	1675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.4
10°-20°	223.9	4.0
20°-30°	355.0	6.3
30°-40°	428.1	7.6
40°-50°	382.3	6.8
50°-60°	293.2	5.2
60°-70°	190.5	3.4
70°-80°	92.6	1.6
80°-90°	24.5	0.4
90°-100°	42.2	0.7
100°-110°	259.7	4.6
110°-120°	471.1	8.4
120°-130°	604.6	10.7
130°-140°	650.2	11.6
140°-150°	610.3	10.8
150°-160°	493.7	8.8
160°-170°	319.3	5.7
170°-180°	110.1	2.0
0°-30°	655.3	11.6
0°-40°	1083.4	19.3
0°-60°	1758.9	31.3
0°-90°	2066.6	36.7
90°-120°	772.9	13.7
90°-150°	2638.1	46.9
90°-180°	3561.0	63.3
0°-180°	5627.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	797	797	797	797	797	
5°	913	795	702	795	913	91
15°	1097	759	534	759	1097	314
25°	1314	692	429	692	1314	603
35°	1090	602	350	602	1090	658
45°	487	474	275	474	487	389
55°	268	335	206	335	268	243
65°	152	209	122	209	152	151
75°	71	101	64	101	71	75
85°	15	23	17	23	15	18
90°	21	1	21	1	21	10
95°	18	49	18	49	18	15
105°	255	253	255	253	255	231
115°	471	475	471	475	471	468
125°	675	675	675	675	675	600
135°	838	842	838	842	838	647
145°	973	976	973	976	973	608
155°	1067	1075	1067	1075	1067	492
165°	1128	1134	1128	1134	1128	318
175°	1154	1160	1154	1160	1154	110
180°	1160	1160	1160	1160	1160	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	838.1	837.6	838.6	835.7	836.0	831.6	831.6	828.1	823.7	820.3	818.7
5°	913.2	913.9	912.5	907.6	904.3	899.4	893.9	884.1	875.9	868.1	861.9
7.5°	990.5	990.9	986.6	985.2	976.9	970.9	958.6	945.2	933.3	918.3	906.8
10°	1035.5	1035.2	1030.6	1027.0	1019.8	1010.6	998.5	982.8	968.1	951.7	936.1
12.5°	1061.7	1060.8	1059.4	1055.0	1048.4	1040.2	1029.9	1014.5	996.3	978.4	960.2
15°	1097.0	1094.7	1090.5	1084.9	1075.4	1065.9	1054.5	1040.8	1023.4	1003.2	986.1
17.5°	1140.7	1140.7	1134.2	1126.5	1113.6	1096.8	1079.2	1057.0	1033.5	1011.2	993.1
20°	1176.8	1175.8	1169.2	1154.3	1139.5	1118.6	1098.3	1071.2	1042.4	1013.2	990.7
22.5°	1228.6	1226.1	1219.3	1199.5	1176.6	1149.7	1118.7	1085.5	1050.8	1017.7	988.1
25°	1313.5	1311.6	1298.1	1275.2	1243.2	1201.6	1161.1	1115.6	1065.6	1022.1	986.1
27.5°	1371.6	1369.4	1359.5	1340.5	1310.9	1267.2	1212.3	1151.6	1089.1	1029.2	977.3
30°	1365.8	1370.7	1369.4	1360.6	1338.3	1299.1	1248.4	1180.1	1105.8	1035.5	973.7
32.5°	1283.7	1288.1	1299.6	1316.9	1318.2	1302.5	1264.6	1201.5	1124.6	1044.7	970.8
35°	1089.8	1095.7	1117.9	1152.9	1198.7	1237.0	1244.8	1210.8	1141.8	1055.8	966.5
37.5°	837.8	870.0	888.7	925.6	994.7	1065.1	1132.8	1157.8	1128.4	1051.2	959.5
40°	711.7	719.5	752.9	794.4	852.6	925.9	1022.4	1092.1	1094.3	1040.8	948.5
42.5°	609.2	619.1	642.0	675.1	725.0	798.2	897.9	989.8	1032.3	1011.9	934.1
45°	487.3	494.8	511.5	537.0	575.3	635.8	721.5	827.9	912.2	945.2	895.5
47.5°	400.4	404.4	418.9	438.3	466.7	510.7	577.0	669.3	770.6	841.5	834.6
50°	353.3	357.8	368.9	383.7	407.5	444.8	497.8	574.6	679.0	765.7	783.0
52.5°	316.6	320.4	327.4	341.3	360.9	389.6	432.4	502.0	595.8	687.9	728.1
55°	267.5	270.2	275.7	283.5	299.3	319.9	356.8	404.9	480.8	573.7	632.6
57.5°	227.1	228.4	232.0	239.2	250.0	265.1	291.8	332.6	387.0	470.6	535.6
60°	201.5	202.8	207.3	212.2	220.8	234.5	255.5	283.9	336.2	405.3	471.0
62.5°	181.1	181.8	183.8	188.7	196.1	206.8	223.3	246.5	288.1	348.7	410.8
65°	151.8	152.1	152.7	156.7	161.3	169.1	179.9	196.2	227.6	273.5	328.4
67.5°	123.6	124.1	126.4	127.8	132.5	136.6	143.0	155.5	177.6	208.4	251.2
70°	108.0	107.6	109.9	111.5	113.1	118.0	122.3	132.4	146.2	169.8	205.4
72.5°	93.2	92.5	93.4	94.0	96.2	99.5	103.8	109.9	120.5	136.8	164.0
75°	70.7	70.9	70.9	71.6	73.3	74.6	75.9	79.1	85.1	95.8	110.6
77.5°	49.6	49.1	50.5	50.6	51.6	53.0	54.2	55.4	57.9	62.3	69.9
80°	36.0	36.0	36.3	37.3	36.9	37.6	39.3	40.6	43.5	46.1	48.7
82.5°	27.6	27.4	27.6	27.9	27.8	28.4	29.0	29.3	30.4	31.7	33.6
85°	15.1	15.1	15.4	15.4	15.7	15.7	16.0	16.0	16.0	16.4	16.7
87.5°	9.9	9.5	9.1	9.0	9.1	9.6	9.0	8.6	8.4	8.3	8.3
90°	20.7	20.1	19.5	18.9	18.3	17.6	16.6	15.7	14.7	13.8	12.4
92.5°	19.3	19.0	18.7	18.4	18.2	17.6	16.6	15.7	14.7	13.8	12.6
95°	18.1	18.1	18.1	18.1	18.1	17.6	16.6	15.7	14.7	13.8	21.0
97.5°	18.1	18.1	18.1	18.1	18.1	20.8	26.2	31.5	36.9	42.3	56.7
100°	18.1	18.9	19.5	20.3	21.1	35.7	64.2	92.6	121.1	149.6	148.8
102.5°	108.1	121.1	134.1	147.1	160.1	169.3	174.7	180.0	185.5	190.9	190.4
105°	255.3	255.5	255.7	255.9	256.1	256.1	256.1	256.1	256.1	256.1	256.1
107.5°	321.8	322.4	323.0	323.6	324.2	324.4	324.4	324.3	324.3	324.3	323.9
110°	367.9	367.7	367.6	367.4	367.2	367.4	367.9	368.5	369.1	369.6	369.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	409.2	409.5	409.7	410.0	410.3	410.8	411.5	412.2	412.9	413.7	413.5
115°	471.1	472.3	473.4	474.6	475.7	476.6	477.4	478.2	479.0	479.7	479.5
117.5°	537.1	537.6	538.1	538.6	539.1	539.8	540.9	541.8	542.9	543.8	543.1
120°	577.7	578.7	579.6	580.6	581.5	582.2	582.6	583.0	583.3	583.8	583.2
122.5°	616.2	617.3	618.5	619.6	620.6	621.4	621.8	622.2	622.5	622.9	622.7
125°	674.9	675.5	676.0	676.6	677.2	677.8	678.6	679.3	680.1	680.9	680.9
127.5°	724.2	725.7	727.0	728.4	729.9	730.7	731.2	731.6	732.0	732.5	732.5
130°	759.9	761.0	761.9	762.8	763.8	764.6	765.1	765.7	766.3	766.8	766.6
132.5°	793.0	793.9	794.9	795.8	796.8	797.3	797.5	797.5	797.6	797.8	798.2
135°	838.2	839.3	840.5	841.6	842.7	843.5	844.0	844.3	844.6	845.1	845.4
137.5°	883.6	884.6	885.5	886.6	887.5	888.0	887.9	887.9	887.8	887.7	888.0
140°	910.4	911.5	912.7	913.9	915.0	915.3	915.0	914.6	914.2	913.9	914.0
142.5°	935.8	937.0	938.1	939.3	940.5	941.0	940.9	940.8	940.7	940.6	940.4
145°	973.2	974.3	975.4	976.6	977.8	978.2	978.0	977.8	977.7	977.5	977.5
147.5°	1003.9	1005.3	1006.7	1008.1	1009.4	1010.0	1009.8	1009.5	1009.4	1009.1	1008.8
150°	1023.9	1025.4	1026.9	1028.5	1030.0	1030.5	1030.2	1029.8	1029.4	1029.1	1028.6
152.5°	1042.4	1043.8	1045.2	1046.5	1047.9	1048.4	1048.1	1047.7	1047.3	1046.9	1046.5
155°	1066.9	1068.4	1069.9	1071.4	1073.0	1073.5	1072.9	1072.3	1071.8	1071.2	1070.7
157.5°	1087.4	1088.8	1090.4	1091.9	1093.5	1093.9	1093.3	1092.7	1092.1	1091.5	1091.4
160°	1100.4	1101.9	1103.5	1105.0	1106.5	1106.9	1106.1	1105.4	1104.6	1103.8	1103.6
162.5°	1112.1	1113.8	1115.4	1117.1	1118.8	1119.1	1118.0	1117.0	1115.9	1114.8	1114.7
165°	1127.9	1129.5	1130.9	1132.5	1134.0	1134.2	1133.1	1131.9	1130.8	1129.6	1129.5
167.5°	1138.9	1140.7	1142.4	1144.1	1145.8	1146.0	1144.6	1143.2	1141.9	1140.5	1140.2
170°	1145.1	1146.9	1148.6	1150.2	1151.9	1152.1	1150.6	1149.0	1147.5	1146.0	1145.7
172.5°	1149.3	1150.9	1152.6	1154.3	1156.1	1156.2	1154.9	1153.5	1152.1	1150.7	1150.4
175°	1154.5	1156.2	1158.0	1159.7	1161.4	1161.5	1160.0	1158.5	1156.9	1155.4	1155.2
177.5°	1157.6	1158.9	1160.1	1161.3	1162.5	1162.6	1161.6	1160.5	1159.4	1158.3	1158.2
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	818.7	816.9	813.5	810.4	806.4	803.1	800.6	797.8	794.1	789.7	786.0
5°	855.0	847.7	838.3	830.1	819.7	811.5	803.0	794.8	786.6	776.1	767.0
7.5°	895.1	880.3	865.8	847.7	831.1	816.4	802.3	788.0	774.0	759.1	744.8
10°	919.7	901.7	881.8	858.8	837.9	818.0	799.7	781.7	762.8	746.1	728.1
12.5°	942.7	919.5	896.7	867.8	842.7	818.3	795.0	772.6	752.3	730.6	711.3
15°	963.5	940.6	915.2	879.9	844.8	815.4	787.9	758.8	733.7	709.4	687.9
17.5°	971.6	947.6	917.9	884.0	845.8	808.7	773.4	741.4	711.8	683.5	659.3
20°	968.5	945.2	914.8	882.4	841.5	803.0	764.7	729.4	696.3	666.6	640.8
22.5°	960.9	936.9	907.5	873.3	834.5	793.5	752.7	715.0	680.4	649.5	621.4
25°	949.5	916.8	886.7	853.3	816.4	775.8	733.7	692.1	655.1	623.7	593.0
27.5°	937.6	896.8	858.6	825.4	786.4	750.2	709.5	666.9	628.0	596.1	564.6
30°	927.0	881.1	839.0	801.3	764.4	730.0	691.4	649.9	610.0	577.0	544.9
32.5°	913.6	864.9	818.6	775.2	739.5	705.4	670.5	630.8	591.9	557.8	525.3
35°	896.8	834.7	784.3	738.2	698.6	665.6	634.2	602.1	563.2	527.9	496.2
37.5°	874.9	804.3	746.1	695.8	654.1	620.9	596.2	566.8	531.3	497.5	468.0
40°	861.5	782.4	718.6	668.8	625.0	590.0	566.8	541.9	509.5	477.9	448.4
42.5°	843.7	762.2	690.9	639.0	595.0	561.3	537.8	516.1	488.9	459.0	427.5
45°	808.8	723.2	648.2	592.6	548.2	515.1	493.2	473.9	453.3	425.9	398.4
47.5°	763.4	682.4	604.0	543.3	499.7	469.1	447.8	432.6	417.8	394.5	367.8
50°	727.1	648.9	572.4	513.5	467.1	437.9	418.0	405.9	392.4	371.3	349.0
52.5°	684.2	614.4	539.4	479.2	435.4	408.1	388.9	376.9	365.8	348.4	327.3
55°	616.6	555.3	486.6	432.0	391.8	364.4	346.0	334.6	328.0	313.3	296.6
57.5°	538.5	494.6	434.1	381.4	345.9	318.7	305.3	295.6	288.2	277.8	266.0
60°	484.1	453.3	399.0	349.0	316.2	290.4	278.4	270.2	263.3	254.4	245.3
62.5°	428.9	406.5	359.3	316.2	286.2	264.5	253.2	245.8	237.9	232.0	223.1
65°	354.9	334.9	302.2	268.5	240.7	223.4	215.2	208.7	203.8	197.3	191.0
67.5°	276.0	267.9	245.4	222.1	202.2	186.8	179.7	175.1	169.2	165.3	161.0
70°	227.6	223.7	207.7	192.3	173.7	163.2	156.7	154.7	147.5	143.6	140.6
72.5°	184.8	182.9	173.7	163.0	149.9	140.7	134.7	132.4	127.9	124.8	122.9
75°	126.6	127.3	125.6	118.7	113.8	108.0	102.7	101.4	98.2	95.5	93.8
77.5°	80.1	83.4	83.5	83.2	81.3	77.7	75.5	74.5	71.3	70.3	69.9
80°	54.9	58.5	61.8	61.5	60.9	59.8	58.2	57.3	55.6	54.6	54.0
82.5°	36.6	40.0	42.7	44.5	44.3	43.4	42.3	41.8	41.5	40.7	40.6
85°	17.3	18.0	18.9	21.3	22.9	23.2	22.9	22.6	21.6	22.0	22.2
87.5°	8.3	8.0	7.9	7.7	7.1	8.1	8.6	8.5	8.4	8.1	7.9
90°	11.1	9.7	8.4	7.0	5.4	3.9	2.4	0.9	2.4	3.9	5.4
92.5°	11.4	10.2	9.0	9.0	10.0	11.1	12.1	13.3	12.1	11.1	10.0
95°	28.2	35.6	42.8	46.8	47.3	47.9	48.4	49.0	48.4	47.9	47.3
97.5°	71.0	85.4	99.8	106.4	105.4	104.4	103.3	102.3	103.3	104.4	105.4
100°	148.1	147.3	146.5	145.9	145.3	144.7	144.1	143.5	144.1	144.7	145.3
102.5°	189.9	189.5	189.0	188.4	187.7	187.0	186.2	185.5	186.2	187.0	187.7
105°	256.1	256.1	256.1	255.8	255.0	254.3	253.5	252.7	253.5	254.3	255.0
107.5°	323.5	323.1	322.7	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5
110°	368.9	368.5	368.2	367.9	367.9	367.9	367.9	367.9	367.9	367.9	367.9



TEST NUMBER: P333538-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	413.2	413.0	412.8	412.4	412.0	411.5	411.0	410.6	411.0	411.5	412.0
115°	479.3	479.1	479.0	478.4	477.4	476.5	475.5	474.6	475.5	476.5	477.4
117.5°	542.3	541.7	541.0	540.6	540.6	540.6	540.7	540.7	540.7	540.6	540.6
120°	582.6	582.0	581.4	581.3	581.4	581.6	581.8	582.0	581.8	581.6	581.4
122.5°	622.4	622.2	621.8	621.4	620.6	619.9	619.1	618.5	619.1	619.9	620.6
125°	680.9	680.9	680.9	680.2	678.9	677.5	676.1	674.9	676.1	677.5	678.9
127.5°	732.7	732.8	732.9	732.5	731.5	730.6	729.6	728.7	729.6	730.6	731.5
130°	766.5	766.3	766.0	765.5	764.6	763.6	762.7	761.6	762.7	763.6	764.6
132.5°	798.7	799.0	799.4	799.1	798.0	796.9	795.8	794.7	795.8	796.9	798.0
135°	845.8	846.2	846.6	846.2	845.1	844.0	842.7	841.6	842.7	844.0	845.1
137.5°	888.4	888.7	889.1	888.7	887.8	886.7	885.8	884.8	885.8	886.7	887.8
140°	914.2	914.4	914.6	914.5	914.1	913.8	913.3	913.0	913.3	913.8	914.1
142.5°	940.1	939.9	939.6	939.4	939.1	938.9	938.7	938.4	938.7	938.9	939.1
145°	977.5	977.5	977.5	977.2	976.9	976.5	976.1	975.8	976.1	976.5	976.9
147.5°	1008.7	1008.4	1008.1	1008.1	1008.1	1008.2	1008.3	1008.4	1008.3	1008.2	1008.1
150°	1028.3	1027.9	1027.5	1027.5	1027.9	1028.3	1028.6	1029.1	1028.6	1028.3	1027.9
152.5°	1046.1	1045.8	1045.4	1045.6	1046.5	1047.3	1048.2	1049.0	1048.2	1047.3	1046.5
155°	1070.4	1070.1	1069.6	1070.1	1071.2	1072.3	1073.5	1074.6	1073.5	1072.3	1071.2
157.5°	1091.4	1091.3	1091.3	1091.7	1092.4	1093.0	1093.6	1094.3	1093.6	1093.0	1092.4
160°	1103.5	1103.3	1103.0	1103.5	1104.7	1105.9	1107.0	1108.1	1107.0	1105.9	1104.7
162.5°	1114.5	1114.2	1114.0	1114.6	1115.7	1116.8	1118.0	1119.1	1118.0	1116.8	1115.7
165°	1129.2	1129.0	1128.9	1129.4	1130.5	1131.6	1132.7	1133.9	1132.7	1131.6	1130.5
167.5°	1140.1	1139.9	1139.7	1140.2	1141.3	1142.5	1143.8	1145.0	1143.8	1142.5	1141.3
170°	1145.6	1145.4	1145.2	1145.7	1147.1	1148.4	1149.8	1151.1	1149.8	1148.4	1147.1
172.5°	1150.0	1149.7	1149.4	1149.9	1151.2	1152.5	1153.9	1155.2	1153.9	1152.5	1151.2
175°	1155.0	1154.9	1154.7	1155.1	1156.2	1157.4	1158.6	1159.7	1158.6	1157.4	1156.2
177.5°	1158.0	1157.9	1157.7	1158.1	1159.0	1159.9	1160.9	1161.7	1160.9	1159.9	1159.0
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7



TEST NUMBER: P333538-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	783.4	779.7	777.1	771.9	768.2	766.6	763.8	763.0	765.9	763.8	763.5
5°	760.1	750.6	743.1	735.6	727.4	722.2	714.3	713.0	711.0	708.1	707.5
7.5°	732.2	719.8	710.2	697.7	686.9	678.2	668.4	663.7	661.2	657.4	652.3
10°	713.3	698.6	685.5	673.1	659.7	648.9	639.1	631.5	626.6	622.1	620.1
12.5°	694.7	679.8	663.1	648.0	633.0	620.9	610.0	605.1	599.7	594.3	589.8
15°	665.9	645.9	627.7	610.3	597.5	584.4	574.0	566.8	558.6	556.4	547.5
17.5°	635.3	615.7	594.3	576.0	561.3	546.8	535.4	527.2	521.0	512.6	508.5
20°	616.2	593.0	572.0	555.3	539.0	522.0	510.2	503.3	497.5	490.6	487.3
22.5°	595.8	573.1	551.6	532.1	515.5	498.7	490.3	483.2	476.6	470.2	465.9
25°	565.8	542.9	520.4	500.1	482.8	470.6	460.8	452.6	449.1	442.8	438.2
27.5°	536.2	511.9	488.4	468.2	454.6	442.6	434.6	428.2	421.6	416.2	412.2
30°	517.1	492.2	466.7	450.7	436.3	424.9	416.0	409.8	404.9	400.0	397.1
32.5°	498.0	472.3	449.7	432.4	418.8	408.9	399.8	393.8	388.7	383.2	379.8
35°	467.4	441.2	422.9	405.9	392.4	383.3	377.1	368.6	364.4	360.4	356.8
37.5°	438.9	414.6	394.8	379.9	368.2	359.1	351.1	346.5	341.3	337.8	334.8
40°	418.0	395.7	377.8	362.1	353.5	343.5	335.9	330.0	326.1	321.5	318.2
42.5°	399.2	378.5	361.0	346.9	336.3	327.7	320.5	314.6	309.6	306.3	303.6
45°	372.6	351.9	334.9	321.8	312.0	303.8	296.4	293.3	286.8	282.9	281.6
47.5°	345.0	326.6	310.1	298.1	288.0	280.3	273.2	267.3	263.6	259.8	257.7
50°	326.4	308.8	293.3	281.6	271.8	263.3	256.8	252.8	247.9	244.4	241.7
52.5°	307.8	291.4	276.1	264.8	256.3	247.9	240.6	236.6	232.0	229.6	227.8
55°	281.3	264.0	250.9	239.7	230.9	223.1	216.2	212.2	209.3	207.1	206.4
57.5°	251.2	237.5	225.3	215.2	206.1	198.7	192.7	189.0	186.4	186.1	184.1
60°	231.5	219.1	208.0	197.3	189.3	182.5	177.3	173.1	170.4	170.0	169.4
62.5°	212.0	200.0	189.7	180.2	173.1	166.5	161.6	156.8	155.2	153.6	152.1
65°	182.8	172.0	163.5	156.0	148.5	142.9	138.0	135.1	131.5	129.5	126.0
67.5°	154.2	145.9	137.7	131.4	125.4	120.2	116.1	111.8	109.3	107.7	105.1
70°	135.4	128.9	120.7	113.8	109.3	105.0	101.7	96.8	95.1	93.8	92.6
72.5°	117.6	111.8	105.0	99.4	94.9	90.8	87.0	84.8	83.2	81.8	81.0
75°	92.6	87.0	81.1	77.1	74.0	70.7	68.7	67.1	66.4	66.0	64.7
77.5°	67.9	65.0	60.3	57.2	55.0	53.7	51.9	51.1	51.1	49.6	49.2
80°	52.0	50.4	46.4	45.1	43.5	42.2	41.2	39.6	38.0	37.3	36.3
82.5°	38.7	37.0	35.5	33.3	32.0	31.2	30.2	29.6	29.8	28.9	28.4
85°	20.6	18.9	18.3	18.0	17.3	18.0	17.7	17.3	17.0	16.7	17.0
87.5°	7.9	8.2	8.3	9.0	8.5	9.0	9.2	9.1	9.4	9.6	9.4
90°	7.0	8.4	9.7	11.1	12.4	13.8	14.7	15.7	16.6	17.6	18.3
92.5°	9.0	9.0	10.2	11.4	12.6	13.8	14.7	15.7	16.6	17.6	18.2
95°	46.8	42.8	35.6	28.2	21.0	13.8	14.7	15.7	16.6	17.6	18.1
97.5°	106.4	99.8	85.4	71.0	56.7	42.3	36.9	31.5	26.2	20.8	18.1
100°	145.9	146.5	147.3	148.1	148.8	149.6	121.1	92.6	64.2	35.7	21.1
102.5°	188.4	189.0	189.5	189.9	190.4	190.9	185.5	180.0	174.7	169.3	160.1
105°	255.8	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
107.5°	322.5	322.7	323.1	323.5	323.9	324.3	324.3	324.3	324.4	324.4	324.2
110°	367.9	368.2	368.5	368.9	369.3	369.6	369.1	368.5	367.9	367.4	367.2



TEST NUMBER: P333538-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	412.4	412.8	413.0	413.2	413.5	413.7	412.9	412.2	411.5	410.8	410.3
115°	478.4	479.0	479.1	479.3	479.5	479.7	479.0	478.2	477.4	476.6	475.7
117.5°	540.6	541.0	541.7	542.3	543.1	543.8	542.9	541.8	540.9	539.8	539.1
120°	581.3	581.4	582.0	582.6	583.2	583.8	583.3	583.0	582.6	582.2	581.5
122.5°	621.4	621.8	622.2	622.4	622.7	622.9	622.5	622.2	621.8	621.4	620.6
125°	680.2	680.9	680.9	680.9	680.9	680.9	680.1	679.3	678.6	677.8	677.2
127.5°	732.5	732.9	732.8	732.7	732.5	732.5	732.0	731.6	731.2	730.7	729.9
130°	765.5	766.0	766.3	766.5	766.6	766.8	766.3	765.7	765.1	764.6	763.8
132.5°	799.1	799.4	799.0	798.7	798.2	797.8	797.6	797.5	797.5	797.3	796.8
135°	846.2	846.6	846.2	845.8	845.4	845.1	844.6	844.3	844.0	843.5	842.7
137.5°	888.7	889.1	888.7	888.4	888.0	887.7	887.8	887.9	887.9	888.0	887.5
140°	914.5	914.6	914.4	914.2	914.0	913.9	914.2	914.6	915.0	915.3	915.0
142.5°	939.4	939.6	939.9	940.1	940.4	940.6	940.7	940.8	940.9	941.0	940.5
145°	977.2	977.5	977.5	977.5	977.5	977.5	977.7	977.8	978.0	978.2	977.8
147.5°	1008.1	1008.1	1008.4	1008.7	1008.8	1009.1	1009.4	1009.5	1009.8	1010.0	1009.4
150°	1027.5	1027.5	1027.9	1028.3	1028.6	1029.1	1029.4	1029.8	1030.2	1030.5	1030.0
152.5°	1045.6	1045.4	1045.8	1046.1	1046.5	1046.9	1047.3	1047.7	1048.1	1048.4	1047.9
155°	1070.1	1069.6	1070.1	1070.4	1070.7	1071.2	1071.8	1072.3	1072.9	1073.5	1073.0
157.5°	1091.7	1091.3	1091.3	1091.4	1091.4	1091.5	1092.1	1092.7	1093.3	1093.9	1093.5
160°	1103.5	1103.0	1103.3	1103.5	1103.6	1103.8	1104.6	1105.4	1106.1	1106.9	1106.5
162.5°	1114.6	1114.0	1114.2	1114.5	1114.7	1114.8	1115.9	1117.0	1118.0	1119.1	1118.8
165°	1129.4	1128.9	1129.0	1129.2	1129.5	1129.6	1130.8	1131.9	1133.1	1134.2	1134.0
167.5°	1140.2	1139.7	1139.9	1140.1	1140.2	1140.5	1141.9	1143.2	1144.6	1146.0	1145.8
170°	1145.7	1145.2	1145.4	1145.6	1145.7	1146.0	1147.5	1149.0	1150.6	1152.1	1151.9
172.5°	1149.9	1149.4	1149.7	1150.0	1150.4	1150.7	1152.1	1153.5	1154.9	1156.2	1156.1
175°	1155.1	1154.7	1154.9	1155.0	1155.2	1155.4	1156.9	1158.5	1160.0	1161.5	1161.4
177.5°	1158.1	1157.7	1157.9	1158.0	1158.2	1158.3	1159.4	1160.5	1161.6	1162.6	1162.5
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7



TEST NUMBER: P333538-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	763.3	760.3	759.6	760.6	759.6	760.3	763.3	763.5	763.8	765.9	763.0
5°	704.2	700.9	702.6	701.9	702.6	700.9	704.2	707.5	708.1	711.0	713.0
7.5°	652.2	648.2	643.9	645.2	643.9	648.2	652.2	652.3	657.4	661.2	663.7
10°	615.9	612.6	610.6	612.3	610.6	612.6	615.9	620.1	622.1	626.6	631.5
12.5°	585.2	583.3	581.6	580.9	581.6	583.3	585.2	589.8	594.3	599.7	605.1
15°	543.5	539.7	538.0	533.8	538.0	539.7	543.5	547.5	556.4	558.6	566.8
17.5°	505.1	503.9	499.6	497.8	499.6	503.9	505.1	508.5	512.6	521.0	527.2
20°	482.4	481.1	476.9	479.5	476.9	481.1	482.4	487.3	490.6	497.5	503.3
22.5°	463.6	460.7	459.3	458.6	459.3	460.7	463.6	465.9	470.2	476.6	483.2
25°	437.0	432.7	431.1	429.1	431.1	432.7	437.0	438.2	442.8	449.1	452.6
27.5°	410.4	408.1	406.0	405.4	406.0	408.1	410.4	412.2	416.2	421.6	428.2
30°	393.1	390.8	389.2	389.2	389.2	390.8	393.1	397.1	400.0	404.9	409.8
32.5°	377.7	375.9	374.3	374.0	374.3	375.9	377.7	379.8	383.2	388.7	393.8
35°	355.2	352.6	351.9	350.0	351.9	352.6	355.2	356.8	360.4	364.4	368.6
37.5°	331.8	329.7	329.6	329.4	329.6	329.7	331.8	334.8	337.8	341.3	346.5
40°	316.9	315.3	315.0	312.7	315.0	315.3	316.9	318.2	321.5	326.1	330.0
42.5°	301.0	300.1	299.0	298.0	299.0	300.1	301.0	303.6	306.3	309.6	314.6
45°	279.3	277.1	277.1	275.4	277.1	277.1	279.3	281.6	282.9	286.8	293.3
47.5°	256.9	255.2	255.4	253.7	255.4	255.2	256.9	257.7	259.8	263.6	267.3
50°	242.0	241.1	240.7	240.0	240.7	241.1	242.0	241.7	244.4	247.9	252.8
52.5°	227.1	226.7	227.9	226.4	227.9	226.7	227.1	227.8	229.6	232.0	236.6
55°	207.1	206.0	208.0	206.0	208.0	206.0	207.1	206.4	207.1	209.3	212.2
57.5°	183.9	183.0	184.8	183.8	184.8	183.0	183.9	184.1	186.1	186.4	189.0
60°	168.8	166.8	167.8	168.2	167.8	166.8	168.8	169.4	170.0	170.4	173.1
62.5°	150.7	149.6	150.2	148.8	150.2	149.6	150.7	152.1	153.6	155.2	156.8
65°	125.3	124.3	123.0	122.3	123.0	124.3	125.3	126.0	129.5	131.5	135.1
67.5°	105.2	102.9	102.8	103.3	102.8	102.9	105.2	105.1	107.7	109.3	111.8
70°	90.6	90.6	90.2	90.2	90.2	90.6	90.6	92.6	93.8	95.1	96.8
72.5°	80.4	80.2	79.6	79.3	79.6	80.2	80.4	81.0	81.8	83.2	84.8
75°	64.7	65.1	64.4	64.1	64.4	65.1	64.7	64.7	66.0	66.4	67.1
77.5°	47.8	46.4	47.2	46.4	47.2	46.4	47.8	49.2	49.6	51.1	51.1
80°	36.3	36.0	36.9	36.0	36.9	36.0	36.3	36.3	37.3	38.0	39.6
82.5°	28.8	28.4	28.8	28.2	28.8	28.4	28.8	28.4	28.9	29.8	29.6
85°	17.3	17.0	16.7	17.0	16.7	17.0	17.3	17.0	16.7	17.0	17.3
87.5°	9.8	9.6	9.7	9.9	9.7	9.6	9.8	9.4	9.6	9.4	9.1
90°	18.9	19.5	20.1	20.7	20.1	19.5	18.9	18.3	17.6	16.6	15.7
92.5°	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.2	17.6	16.6	15.7
95°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	17.6	16.6	15.7
97.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	20.8	26.2	31.5
100°	20.3	19.5	18.9	18.1	18.9	19.5	20.3	21.1	35.7	64.2	92.6
102.5°	147.1	134.1	121.1	108.1	121.1	134.1	147.1	160.1	169.3	174.7	180.0
105°	255.9	255.7	255.5	255.3	255.5	255.7	255.9	256.1	256.1	256.1	256.1
107.5°	323.6	323.0	322.4	321.8	322.4	323.0	323.6	324.2	324.4	324.4	324.3
110°	367.4	367.6	367.7	367.9	367.7	367.6	367.4	367.2	367.4	367.9	368.5



TEST NUMBER: P333538-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	410.0	409.7	409.5	409.2	409.5	409.7	410.0	410.3	410.8	411.5	412.2
115°	474.6	473.4	472.3	471.1	472.3	473.4	474.6	475.7	476.6	477.4	478.2
117.5°	538.6	538.1	537.6	537.1	537.6	538.1	538.6	539.1	539.8	540.9	541.8
120°	580.6	579.6	578.7	577.7	578.7	579.6	580.6	581.5	582.2	582.6	583.0
122.5°	619.6	618.5	617.3	616.2	617.3	618.5	619.6	620.6	621.4	621.8	622.2
125°	676.6	676.0	675.5	674.9	675.5	676.0	676.6	677.2	677.8	678.6	679.3
127.5°	728.4	727.0	725.7	724.2	725.7	727.0	728.4	729.9	730.7	731.2	731.6
130°	762.8	761.9	761.0	759.9	761.0	761.9	762.8	763.8	764.6	765.1	765.7
132.5°	795.8	794.9	793.9	793.0	793.9	794.9	795.8	796.8	797.3	797.5	797.5
135°	841.6	840.5	839.3	838.2	839.3	840.5	841.6	842.7	843.5	844.0	844.3
137.5°	886.6	885.5	884.6	883.6	884.6	885.5	886.6	887.5	888.0	887.9	887.9
140°	913.9	912.7	911.5	910.4	911.5	912.7	913.9	915.0	915.3	915.0	914.6
142.5°	939.3	938.1	937.0	935.8	937.0	938.1	939.3	940.5	941.0	940.9	940.8
145°	976.6	975.4	974.3	973.2	974.3	975.4	976.6	977.8	978.2	978.0	977.8
147.5°	1008.1	1006.7	1005.3	1003.9	1005.3	1006.7	1008.1	1009.4	1010.0	1009.8	1009.5
150°	1028.5	1026.9	1025.4	1023.9	1025.4	1026.9	1028.5	1030.0	1030.5	1030.2	1029.8
152.5°	1046.5	1045.2	1043.8	1042.4	1043.8	1045.2	1046.5	1047.9	1048.4	1048.1	1047.7
155°	1071.4	1069.9	1068.4	1066.9	1068.4	1069.9	1071.4	1073.0	1073.5	1072.9	1072.3
157.5°	1091.9	1090.4	1088.8	1087.4	1088.8	1090.4	1091.9	1093.5	1093.9	1093.3	1092.7
160°	1105.0	1103.5	1101.9	1100.4	1101.9	1103.5	1105.0	1106.5	1106.9	1106.1	1105.4
162.5°	1117.1	1115.4	1113.8	1112.1	1113.8	1115.4	1117.1	1118.8	1119.1	1118.0	1117.0
165°	1132.5	1130.9	1129.5	1127.9	1129.5	1130.9	1132.5	1134.0	1134.2	1133.1	1131.9
167.5°	1144.1	1142.4	1140.7	1138.9	1140.7	1142.4	1144.1	1145.8	1146.0	1144.6	1143.2
170°	1150.2	1148.6	1146.9	1145.1	1146.9	1148.6	1150.2	1151.9	1152.1	1150.6	1149.0
172.5°	1154.3	1152.6	1150.9	1149.3	1150.9	1152.6	1154.3	1156.1	1156.2	1154.9	1153.5
175°	1159.7	1158.0	1156.2	1154.5	1156.2	1158.0	1159.7	1161.4	1161.5	1160.0	1158.5
177.5°	1161.3	1160.1	1158.9	1157.6	1158.9	1160.1	1161.3	1162.5	1162.6	1161.6	1160.5
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7



TEST NUMBER: P333538-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	763.8	766.6	768.2	771.9	777.1	779.7	783.4	786.0	789.7	794.1	797.8
5°	714.3	722.2	727.4	735.6	743.1	750.6	760.1	767.0	776.1	786.6	794.8
7.5°	668.4	678.2	686.9	697.7	710.2	719.8	732.2	744.8	759.1	774.0	788.0
10°	639.1	648.9	659.7	673.1	685.5	698.6	713.3	728.1	746.1	762.8	781.7
12.5°	610.0	620.9	633.0	648.0	663.1	679.8	694.7	711.3	730.6	752.3	772.6
15°	574.0	584.4	597.5	610.3	627.7	645.9	665.9	687.9	709.4	733.7	758.8
17.5°	535.4	546.8	561.3	576.0	594.3	615.7	635.3	659.3	683.5	711.8	741.4
20°	510.2	522.0	539.0	555.3	572.0	593.0	616.2	640.8	666.6	696.3	729.4
22.5°	490.3	498.7	515.5	532.1	551.6	573.1	595.8	621.4	649.5	680.4	715.0
25°	460.8	470.6	482.8	500.1	520.4	542.9	565.8	593.0	623.7	655.1	692.1
27.5°	434.6	442.6	454.6	468.2	488.4	511.9	536.2	564.6	596.1	628.0	666.9
30°	416.0	424.9	436.3	450.7	466.7	492.2	517.1	544.9	577.0	610.0	649.9
32.5°	399.8	408.9	418.8	432.4	449.7	472.3	498.0	525.3	557.8	591.9	630.8
35°	377.1	383.3	392.4	405.9	422.9	441.2	467.4	496.2	527.9	563.2	602.1
37.5°	351.1	359.1	368.2	379.9	394.8	414.6	438.9	468.0	497.5	531.3	566.8
40°	335.9	343.5	353.5	362.1	377.8	395.7	418.0	448.4	477.9	509.5	541.9
42.5°	320.5	327.7	336.3	346.9	361.0	378.5	399.2	427.5	459.0	488.9	516.1
45°	296.4	303.8	312.0	321.8	334.9	351.9	372.6	398.4	425.9	453.3	473.9
47.5°	273.2	280.3	288.0	298.1	310.1	326.6	345.0	367.8	394.5	417.8	432.6
50°	256.8	263.3	271.8	281.6	293.3	308.8	326.4	349.0	371.3	392.4	405.9
52.5°	240.6	247.9	256.3	264.8	276.1	291.4	307.8	327.3	348.4	365.8	376.9
55°	216.2	223.1	230.9	239.7	250.9	264.0	281.3	296.6	313.3	328.0	334.6
57.5°	192.7	198.7	206.1	215.2	225.3	237.5	251.2	266.0	277.8	288.2	295.6
60°	177.3	182.5	189.3	197.3	208.0	219.1	231.5	245.3	254.4	263.3	270.2
62.5°	161.6	166.5	173.1	180.2	189.7	200.0	212.0	223.1	232.0	237.9	245.8
65°	138.0	142.9	148.5	156.0	163.5	172.0	182.8	191.0	197.3	203.8	208.7
67.5°	116.1	120.2	125.4	131.4	137.7	145.9	154.2	161.0	165.3	169.2	175.1
70°	101.7	105.0	109.3	113.8	120.7	128.9	135.4	140.6	143.6	147.5	154.7
72.5°	87.0	90.8	94.9	99.4	105.0	111.8	117.6	122.9	124.8	127.9	132.4
75°	68.7	70.7	74.0	77.1	81.1	87.0	92.6	93.8	95.5	98.2	101.4
77.5°	51.9	53.7	55.0	57.2	60.3	65.0	67.9	69.9	70.3	71.3	74.5
80°	41.2	42.2	43.5	45.1	46.4	50.4	52.0	54.0	54.6	55.6	57.3
82.5°	30.2	31.2	32.0	33.3	35.5	37.0	38.7	40.6	40.7	41.5	41.8
85°	17.7	18.0	17.3	18.0	18.3	18.9	20.6	22.2	22.0	21.6	22.6
87.5°	9.2	9.0	8.5	9.0	8.3	8.2	7.9	7.9	8.1	8.4	8.5
90°	14.7	13.8	12.4	11.1	9.7	8.4	7.0	5.4	3.9	2.4	0.9
92.5°	14.7	13.8	12.6	11.4	10.2	9.0	9.0	10.0	11.1	12.1	13.3
95°	14.7	13.8	21.0	28.2	35.6	42.8	46.8	47.3	47.9	48.4	49.0
97.5°	36.9	42.3	56.7	71.0	85.4	99.8	106.4	105.4	104.4	103.3	102.3
100°	121.1	149.6	148.8	148.1	147.3	146.5	145.9	145.3	144.7	144.1	143.5
102.5°	185.5	190.9	190.4	189.9	189.5	189.0	188.4	187.7	187.0	186.2	185.5
105°	256.1	256.1	256.1	256.1	256.1	256.1	255.8	255.0	254.3	253.5	252.7
107.5°	324.3	324.3	323.9	323.5	323.1	322.7	322.5	322.5	322.5	322.5	322.5
110°	369.1	369.6	369.3	368.9	368.5	368.2	367.9	367.9	367.9	367.9	367.9



TEST NUMBER: P333538-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	412.9	413.7	413.5	413.2	413.0	412.8	412.4	412.0	411.5	411.0	410.6
115°	479.0	479.7	479.5	479.3	479.1	479.0	478.4	477.4	476.5	475.5	474.6
117.5°	542.9	543.8	543.1	542.3	541.7	541.0	540.6	540.6	540.6	540.7	540.7
120°	583.3	583.8	583.2	582.6	582.0	581.4	581.3	581.4	581.6	581.8	582.0
122.5°	622.5	622.9	622.7	622.4	622.2	621.8	621.4	620.6	619.9	619.1	618.5
125°	680.1	680.9	680.9	680.9	680.9	680.9	680.2	678.9	677.5	676.1	674.9
127.5°	732.0	732.5	732.5	732.7	732.8	732.9	732.5	731.5	730.6	729.6	728.7
130°	766.3	766.8	766.6	766.5	766.3	766.0	765.5	764.6	763.6	762.7	761.6
132.5°	797.6	797.8	798.2	798.7	799.0	799.4	799.1	798.0	796.9	795.8	794.7
135°	844.6	845.1	845.4	845.8	846.2	846.6	846.2	845.1	844.0	842.7	841.6
137.5°	887.8	887.7	888.0	888.4	888.7	889.1	888.7	887.8	886.7	885.8	884.8
140°	914.2	913.9	914.0	914.2	914.4	914.6	914.5	914.1	913.8	913.3	913.0
142.5°	940.7	940.6	940.4	940.1	939.9	939.6	939.4	939.1	938.9	938.7	938.4
145°	977.7	977.5	977.5	977.5	977.5	977.5	977.2	976.9	976.5	976.1	975.8
147.5°	1009.4	1009.1	1008.8	1008.7	1008.4	1008.1	1008.1	1008.1	1008.2	1008.3	1008.4
150°	1029.4	1029.1	1028.6	1028.3	1027.9	1027.5	1027.5	1027.9	1028.3	1028.6	1029.1
152.5°	1047.3	1046.9	1046.5	1046.1	1045.8	1045.4	1045.6	1046.5	1047.3	1048.2	1049.0
155°	1071.8	1071.2	1070.7	1070.4	1070.1	1069.6	1070.1	1071.2	1072.3	1073.5	1074.6
157.5°	1092.1	1091.5	1091.4	1091.4	1091.3	1091.3	1091.7	1092.4	1093.0	1093.6	1094.3
160°	1104.6	1103.8	1103.6	1103.5	1103.3	1103.0	1103.5	1104.7	1105.9	1107.0	1108.1
162.5°	1115.9	1114.8	1114.7	1114.5	1114.2	1114.0	1114.6	1115.7	1116.8	1118.0	1119.1
165°	1130.8	1129.6	1129.5	1129.2	1129.0	1128.9	1129.4	1130.5	1131.6	1132.7	1133.9
167.5°	1141.9	1140.5	1140.2	1140.1	1139.9	1139.7	1140.2	1141.3	1142.5	1143.8	1145.0
170°	1147.5	1146.0	1145.7	1145.6	1145.4	1145.2	1145.7	1147.1	1148.4	1149.8	1151.1
172.5°	1152.1	1150.7	1150.4	1150.0	1149.7	1149.4	1149.9	1151.2	1152.5	1153.9	1155.2
175°	1156.9	1155.4	1155.2	1155.0	1154.9	1154.7	1155.1	1156.2	1157.4	1158.6	1159.7
177.5°	1159.4	1158.3	1158.2	1158.0	1157.9	1157.7	1158.1	1159.0	1159.9	1160.9	1161.7
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7



TEST NUMBER: P333538-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	800.6	803.1	806.4	810.4	813.5	816.9	818.7	818.7	820.3	823.7	828.1
5°	803.0	811.5	819.7	830.1	838.3	847.7	855.0	861.9	868.1	875.9	884.1
7.5°	802.3	816.4	831.1	847.7	865.8	880.3	895.1	906.8	918.3	933.3	945.2
10°	799.7	818.0	837.9	858.8	881.8	901.7	919.7	936.1	951.7	968.1	982.8
12.5°	795.0	818.3	842.7	867.8	896.7	919.5	942.7	960.2	978.4	996.3	1014.5
15°	787.9	815.4	844.8	879.9	915.2	940.6	963.5	986.1	1003.2	1023.4	1040.8
17.5°	773.4	808.7	845.8	884.0	917.9	947.6	971.6	993.1	1011.2	1033.5	1057.0
20°	764.7	803.0	841.5	882.4	914.8	945.2	968.5	990.7	1013.2	1042.4	1071.2
22.5°	752.7	793.5	834.5	873.3	907.5	936.9	960.9	988.1	1017.7	1050.8	1085.5
25°	733.7	775.8	816.4	853.3	886.7	916.8	949.5	986.1	1022.1	1065.6	1115.6
27.5°	709.5	750.2	786.4	825.4	858.6	896.8	937.6	977.3	1029.2	1089.1	1151.6
30°	691.4	730.0	764.4	801.3	839.0	881.1	927.0	973.7	1035.5	1105.8	1180.1
32.5°	670.5	705.4	739.5	775.2	818.6	864.9	913.6	970.8	1044.7	1124.6	1201.5
35°	634.2	665.6	698.6	738.2	784.3	834.7	896.8	966.5	1055.8	1141.8	1210.8
37.5°	596.2	620.9	654.1	695.8	746.1	804.3	874.9	959.5	1051.2	1128.4	1157.8
40°	566.8	590.0	625.0	668.8	718.6	782.4	861.5	948.5	1040.8	1094.3	1092.1
42.5°	537.8	561.3	595.0	639.0	690.9	762.2	843.7	934.1	1011.9	1032.3	989.8
45°	493.2	515.1	548.2	592.6	648.2	723.2	808.8	895.5	945.2	912.2	827.9
47.5°	447.8	469.1	499.7	543.3	604.0	682.4	763.4	834.6	841.5	770.6	669.3
50°	418.0	437.9	467.1	513.5	572.4	648.9	727.1	783.0	765.7	679.0	574.6
52.5°	388.9	408.1	435.4	479.2	539.4	614.4	684.2	728.1	687.9	595.8	502.0
55°	346.0	364.4	391.8	432.0	486.6	555.3	616.6	632.6	573.7	480.8	404.9
57.5°	305.3	318.7	345.9	381.4	434.1	494.6	538.5	535.6	470.6	387.0	332.6
60°	278.4	290.4	316.2	349.0	399.0	453.3	484.1	471.0	405.3	336.2	283.9
62.5°	253.2	264.5	286.2	316.2	359.3	406.5	428.9	410.8	348.7	288.1	246.5
65°	215.2	223.4	240.7	268.5	302.2	334.9	354.9	328.4	273.5	227.6	196.2
67.5°	179.7	186.8	202.2	222.1	245.4	267.9	276.0	251.2	208.4	177.6	155.5
70°	156.7	163.2	173.7	192.3	207.7	223.7	227.6	205.4	169.8	146.2	132.4
72.5°	134.7	140.7	149.9	163.0	173.7	182.9	184.8	164.0	136.8	120.5	109.9
75°	102.7	108.0	113.8	118.7	125.6	127.3	126.6	110.6	95.8	85.1	79.1
77.5°	75.5	77.7	81.3	83.2	83.5	83.4	80.1	69.9	62.3	57.9	55.4
80°	58.2	59.8	60.9	61.5	61.8	58.5	54.9	48.7	46.1	43.5	40.6
82.5°	42.3	43.4	44.3	44.5	42.7	40.0	36.6	33.6	31.7	30.4	29.3
85°	22.9	23.2	22.9	21.3	18.9	18.0	17.3	16.7	16.4	16.0	16.0
87.5°	8.6	8.1	7.1	7.7	7.9	8.0	8.3	8.3	8.3	8.4	8.6
90°	2.4	3.9	5.4	7.0	8.4	9.7	11.1	12.4	13.8	14.7	15.7
92.5°	12.1	11.1	10.0	9.0	9.0	10.2	11.4	12.6	13.8	14.7	15.7
95°	48.4	47.9	47.3	46.8	42.8	35.6	28.2	21.0	13.8	14.7	15.7
97.5°	103.3	104.4	105.4	106.4	99.8	85.4	71.0	56.7	42.3	36.9	31.5
100°	144.1	144.7	145.3	145.9	146.5	147.3	148.1	148.8	149.6	121.1	92.6
102.5°	186.2	187.0	187.7	188.4	189.0	189.5	189.9	190.4	190.9	185.5	180.0
105°	253.5	254.3	255.0	255.8	256.1	256.1	256.1	256.1	256.1	256.1	256.1
107.5°	322.5	322.5	322.5	322.5	322.7	323.1	323.5	323.9	324.3	324.3	324.3
110°	367.9	367.9	367.9	367.9	368.2	368.5	368.9	369.3	369.6	369.1	368.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	411.0	411.5	412.0	412.4	412.8	413.0	413.2	413.5	413.7	412.9	412.2
115°	475.5	476.5	477.4	478.4	479.0	479.1	479.3	479.5	479.7	479.0	478.2
117.5°	540.7	540.6	540.6	540.6	541.0	541.7	542.3	543.1	543.8	542.9	541.8
120°	581.8	581.6	581.4	581.3	581.4	582.0	582.6	583.2	583.8	583.3	583.0
122.5°	619.1	619.9	620.6	621.4	621.8	622.2	622.4	622.7	622.9	622.5	622.2
125°	676.1	677.5	678.9	680.2	680.9	680.9	680.9	680.9	680.9	680.1	679.3
127.5°	729.6	730.6	731.5	732.5	732.9	732.8	732.7	732.5	732.5	732.0	731.6
130°	762.7	763.6	764.6	765.5	766.0	766.3	766.5	766.6	766.8	766.3	765.7
132.5°	795.8	796.9	798.0	799.1	799.4	799.0	798.7	798.2	797.8	797.6	797.5
135°	842.7	844.0	845.1	846.2	846.6	846.2	845.8	845.4	845.1	844.6	844.3
137.5°	885.8	886.7	887.8	888.7	889.1	888.7	888.4	888.0	887.7	887.8	887.9
140°	913.3	913.8	914.1	914.5	914.6	914.4	914.2	914.0	913.9	914.2	914.6
142.5°	938.7	938.9	939.1	939.4	939.6	939.9	940.1	940.4	940.6	940.7	940.8
145°	976.1	976.5	976.9	977.2	977.5	977.5	977.5	977.5	977.5	977.7	977.8
147.5°	1008.3	1008.2	1008.1	1008.1	1008.1	1008.4	1008.7	1008.8	1009.1	1009.4	1009.5
150°	1028.6	1028.3	1027.9	1027.5	1027.5	1027.9	1028.3	1028.6	1029.1	1029.4	1029.8
152.5°	1048.2	1047.3	1046.5	1045.6	1045.4	1045.8	1046.1	1046.5	1046.9	1047.3	1047.7
155°	1073.5	1072.3	1071.2	1070.1	1069.6	1070.1	1070.4	1070.7	1071.2	1071.8	1072.3
157.5°	1093.6	1093.0	1092.4	1091.7	1091.3	1091.3	1091.4	1091.4	1091.5	1092.1	1092.7
160°	1107.0	1105.9	1104.7	1103.5	1103.0	1103.3	1103.5	1103.6	1103.8	1104.6	1105.4
162.5°	1118.0	1116.8	1115.7	1114.6	1114.0	1114.2	1114.5	1114.7	1114.8	1115.9	1117.0
165°	1132.7	1131.6	1130.5	1129.4	1128.9	1129.0	1129.2	1129.5	1129.6	1130.8	1131.9
167.5°	1143.8	1142.5	1141.3	1140.2	1139.7	1139.9	1140.1	1140.2	1140.5	1141.9	1143.2
170°	1149.8	1148.4	1147.1	1145.7	1145.2	1145.4	1145.6	1145.7	1146.0	1147.5	1149.0
172.5°	1153.9	1152.5	1151.2	1149.9	1149.4	1149.7	1150.0	1150.4	1150.7	1152.1	1153.5
175°	1158.6	1157.4	1156.2	1155.1	1154.7	1154.9	1155.0	1155.2	1155.4	1156.9	1158.5
177.5°	1160.9	1159.9	1159.0	1158.1	1157.7	1157.9	1158.0	1158.2	1158.3	1159.4	1160.5
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	831.6	831.6	836.0	835.7	838.6	837.6	838.1
5°	893.9	899.4	904.3	907.6	912.5	913.9	913.2
7.5°	958.6	970.9	976.9	985.2	986.6	990.9	990.5
10°	998.5	1010.6	1019.8	1027.0	1030.6	1035.2	1035.5
12.5°	1029.9	1040.2	1048.4	1055.0	1059.4	1060.8	1061.7
15°	1054.5	1065.9	1075.4	1084.9	1090.5	1094.7	1097.0
17.5°	1079.2	1096.8	1113.6	1126.5	1134.2	1140.7	1140.7
20°	1098.3	1118.6	1139.5	1154.3	1169.2	1175.8	1176.8
22.5°	1118.7	1149.7	1176.6	1199.5	1219.3	1226.1	1228.6
25°	1161.1	1201.6	1243.2	1275.2	1298.1	1311.6	1313.5
27.5°	1212.3	1267.2	1310.9	1340.5	1359.5	1369.4	1371.6
30°	1248.4	1299.1	1338.3	1360.6	1369.4	1370.7	1365.8
32.5°	1264.6	1302.5	1318.2	1316.9	1299.6	1288.1	1283.7
35°	1244.8	1237.0	1198.7	1152.9	1117.9	1095.7	1089.8
37.5°	1132.8	1065.1	994.7	925.6	888.7	870.0	837.8
40°	1022.4	925.9	852.6	794.4	752.9	719.5	711.7
42.5°	897.9	798.2	725.0	675.1	642.0	619.1	609.2
45°	721.5	635.8	575.3	537.0	511.5	494.8	487.3
47.5°	577.0	510.7	466.7	438.3	418.9	404.4	400.4
50°	497.8	444.8	407.5	383.7	368.9	357.8	353.3
52.5°	432.4	389.6	360.9	341.3	327.4	320.4	316.6
55°	356.8	319.9	299.3	283.5	275.7	270.2	267.5
57.5°	291.8	265.1	250.0	239.2	232.0	228.4	227.1
60°	255.5	234.5	220.8	212.2	207.3	202.8	201.5
62.5°	223.3	206.8	196.1	188.7	183.8	181.8	181.1
65°	179.9	169.1	161.3	156.7	152.7	152.1	151.8
67.5°	143.0	136.6	132.5	127.8	126.4	124.1	123.6
70°	122.3	118.0	113.1	111.5	109.9	107.6	108.0
72.5°	103.8	99.5	96.2	94.0	93.4	92.5	93.2
75°	75.9	74.6	73.3	71.6	70.9	70.9	70.7
77.5°	54.2	53.0	51.6	50.6	50.5	49.1	49.6
80°	39.3	37.6	36.9	37.3	36.3	36.0	36.0
82.5°	29.0	28.4	27.8	27.9	27.6	27.4	27.6
85°	16.0	15.7	15.7	15.4	15.4	15.1	15.1
87.5°	9.0	9.6	9.1	9.0	9.1	9.5	9.9
90°	16.6	17.6	18.3	18.9	19.5	20.1	20.7
92.5°	16.6	17.6	18.2	18.4	18.7	19.0	19.3
95°	16.6	17.6	18.1	18.1	18.1	18.1	18.1
97.5°	26.2	20.8	18.1	18.1	18.1	18.1	18.1
100°	64.2	35.7	21.1	20.3	19.5	18.9	18.1
102.5°	174.7	169.3	160.1	147.1	134.1	121.1	108.1
105°	256.1	256.1	256.1	255.9	255.7	255.5	255.3
107.5°	324.4	324.4	324.2	323.6	323.0	322.4	321.8
110°	367.9	367.4	367.2	367.4	367.6	367.7	367.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	411.5	410.8	410.3	410.0	409.7	409.5	409.2
115°	477.4	476.6	475.7	474.6	473.4	472.3	471.1
117.5°	540.9	539.8	539.1	538.6	538.1	537.6	537.1
120°	582.6	582.2	581.5	580.6	579.6	578.7	577.7
122.5°	621.8	621.4	620.6	619.6	618.5	617.3	616.2
125°	678.6	677.8	677.2	676.6	676.0	675.5	674.9
127.5°	731.2	730.7	729.9	728.4	727.0	725.7	724.2
130°	765.1	764.6	763.8	762.8	761.9	761.0	759.9
132.5°	797.5	797.3	796.8	795.8	794.9	793.9	793.0
135°	844.0	843.5	842.7	841.6	840.5	839.3	838.2
137.5°	887.9	888.0	887.5	886.6	885.5	884.6	883.6
140°	915.0	915.3	915.0	913.9	912.7	911.5	910.4
142.5°	940.9	941.0	940.5	939.3	938.1	937.0	935.8
145°	978.0	978.2	977.8	976.6	975.4	974.3	973.2
147.5°	1009.8	1010.0	1009.4	1008.1	1006.7	1005.3	1003.9
150°	1030.2	1030.5	1030.0	1028.5	1026.9	1025.4	1023.9
152.5°	1048.1	1048.4	1047.9	1046.5	1045.2	1043.8	1042.4
155°	1072.9	1073.5	1073.0	1071.4	1069.9	1068.4	1066.9
157.5°	1093.3	1093.9	1093.5	1091.9	1090.4	1088.8	1087.4
160°	1106.1	1106.9	1106.5	1105.0	1103.5	1101.9	1100.4
162.5°	1118.0	1119.1	1118.8	1117.1	1115.4	1113.8	1112.1
165°	1133.1	1134.2	1134.0	1132.5	1130.9	1129.5	1127.9
167.5°	1144.6	1146.0	1145.8	1144.1	1142.4	1140.7	1138.9
170°	1150.6	1152.1	1151.9	1150.2	1148.6	1146.9	1145.1
172.5°	1154.9	1156.2	1156.1	1154.3	1152.6	1150.9	1149.3
175°	1160.0	1161.5	1161.4	1159.7	1158.0	1156.2	1154.5
177.5°	1161.6	1162.6	1162.5	1161.3	1160.1	1158.9	1157.6
180°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7

(END OF REPORT)