

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: P333544-935

Luminaire Tested: **S125RDIP-S610D1205U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333544-935  
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-S610D1205U935-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6212.2 lumens  
Efficiency: N/A  
Efficacy: 125.8 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

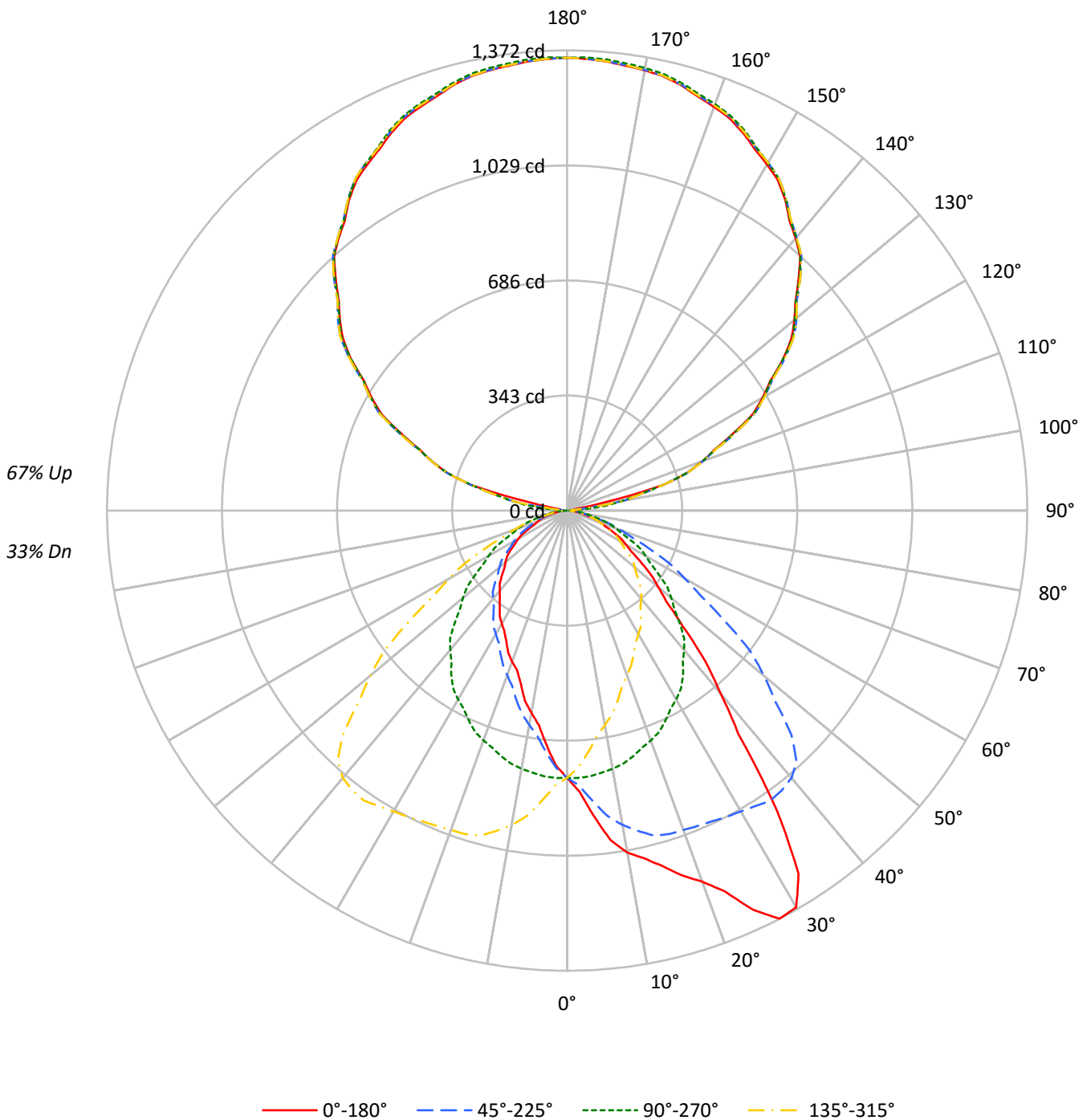
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35	29
2	86	79	73	68	77	72	67	62	57	54	51	44	42	40	32	31	30	24
3	79	70	63	57	71	63	57	52	51	47	43	39	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	23	21	19	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	19	17	15	12
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14	11
9	48	37	29	24	44	33	27	23	27	23	19	22	18	16	16	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°	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	1.2
10°-20°	223.9	3.6
20°-30°	355.0	5.7
30°-40°	428.1	6.9
40°-50°	382.3	6.2
50°-60°	293.2	4.7
60°-70°	190.5	3.1
70°-80°	92.6	1.5
80°-90°	24.9	0.4
90°-100°	49.1	0.8
100°-110°	302.3	4.9
110°-120°	548.3	8.8
120°-130°	703.7	11.3
130°-140°	756.9	12.2
140°-150°	710.4	11.4
150°-160°	574.7	9.3
160°-170°	371.7	6.0
170°-180°	128.2	2.1
0°-30°	655.3	10.5
0°-40°	1083.4	17.4
0°-60°	1758.9	28.3
0°-90°	2067.0	33.3
90°-120°	899.7	14.5
90°-150°	3070.7	49.4
90°-180°	4145.0	66.7
0°-180°	6212.2	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°	24	1	24	1	24	11
95°	21	57	21	57	21	17
105°	297	294	297	294	297	269
115°	548	552	548	552	548	544
125°	786	786	786	786	786	699
135°	976	980	976	980	976	753
145°	1133	1136	1133	1136	1133	708
155°	1242	1251	1242	1251	1242	572
165°	1313	1320	1313	1320	1313	371
175°	1344	1350	1344	1350	1344	128
180°	1350	1350	1350	1350	1350	



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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°	10.6	10.2	9.7	9.6	9.7	10.1	9.6	9.1	9.0	8.7	8.6
90°	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3	17.1	16.0	14.5
92.5°	22.4	22.1	21.8	21.4	21.2	20.5	19.4	18.3	17.1	16.0	14.6
95°	21.0	21.0	21.0	21.0	21.0	20.5	19.4	18.3	17.1	16.0	24.5
97.5°	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.7	43.0	49.2	66.0
100°	21.0	21.9	22.8	23.7	24.5	41.6	74.7	107.9	140.9	174.1	173.2
102.5°	125.9	141.0	156.1	171.3	186.4	197.1	203.4	209.6	215.9	222.1	221.6
105°	297.2	297.4	297.6	297.8	298.1	298.2	298.2	298.2	298.2	298.2	298.2
107.5°	374.6	375.3	376.0	376.6	377.3	377.6	377.5	377.5	377.5	377.5	377.0
110°	428.3	428.1	427.8	427.6	427.4	427.6	428.3	429.0	429.6	430.2	429.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	476.3	476.6	476.9	477.3	477.5	478.1	479.0	479.8	480.7	481.5	481.2
115°	548.4	549.7	551.0	552.3	553.7	554.8	555.7	556.6	557.5	558.4	558.1
117.5°	625.2	625.8	626.4	626.9	627.5	628.4	629.6	630.7	631.9	633.0	632.1
120°	672.4	673.6	674.7	675.8	676.9	677.7	678.1	678.6	679.0	679.4	678.7
122.5°	717.3	718.6	719.8	721.1	722.4	723.3	723.8	724.2	724.6	725.0	724.8
125°	785.5	786.2	786.9	787.5	788.2	788.9	789.8	790.7	791.6	792.5	792.5
127.5°	842.9	844.6	846.2	847.9	849.5	850.6	851.1	851.5	852.0	852.6	852.6
130°	884.6	885.7	886.8	887.9	889.0	889.9	890.5	891.2	891.9	892.6	892.3
132.5°	923.0	924.1	925.2	926.3	927.5	928.1	928.2	928.3	928.5	928.6	929.1
135°	975.6	977.0	978.3	979.6	980.9	981.9	982.3	982.7	983.2	983.6	984.0
137.5°	1028.5	1029.6	1030.8	1031.9	1033.1	1033.6	1033.5	1033.5	1033.4	1033.3	1033.6
140°	1059.7	1061.0	1062.4	1063.7	1065.0	1065.5	1065.0	1064.5	1064.1	1063.7	1063.9
142.5°	1089.3	1090.6	1092.0	1093.3	1094.7	1095.3	1095.2	1095.1	1095.0	1094.9	1094.6
145°	1132.7	1134.0	1135.4	1136.7	1138.1	1138.6	1138.4	1138.2	1138.0	1137.7	1137.7
147.5°	1168.5	1170.2	1171.7	1173.4	1174.9	1175.6	1175.4	1175.1	1174.8	1174.6	1174.3
150°	1191.8	1193.5	1195.3	1197.1	1198.9	1199.5	1199.1	1198.7	1198.2	1197.7	1197.3
152.5°	1213.4	1215.0	1216.6	1218.1	1219.8	1220.4	1220.0	1219.4	1219.0	1218.6	1218.1
155°	1241.8	1243.5	1245.4	1247.2	1248.9	1249.5	1248.8	1248.1	1247.5	1246.8	1246.4
157.5°	1265.6	1267.4	1269.2	1270.9	1272.7	1273.2	1272.6	1271.9	1271.1	1270.4	1270.4
160°	1280.8	1282.6	1284.4	1286.2	1288.0	1288.4	1287.5	1286.6	1285.7	1284.8	1284.6
162.5°	1294.4	1296.4	1298.3	1300.3	1302.3	1302.6	1301.4	1300.1	1298.9	1297.6	1297.4
165°	1312.9	1314.6	1316.4	1318.2	1319.9	1320.2	1318.9	1317.5	1316.2	1314.8	1314.6
167.5°	1325.7	1327.7	1329.6	1331.6	1333.7	1333.9	1332.2	1330.7	1329.0	1327.5	1327.2
170°	1332.8	1334.9	1336.9	1338.9	1340.8	1341.0	1339.2	1337.4	1335.7	1333.9	1333.6
172.5°	1337.6	1339.6	1341.7	1343.7	1345.7	1345.8	1344.3	1342.6	1341.1	1339.5	1339.0
175°	1343.8	1345.8	1347.9	1349.9	1351.9	1351.9	1350.2	1348.4	1346.6	1344.9	1344.6
177.5°	1347.5	1348.8	1350.3	1351.8	1353.1	1353.2	1352.0	1350.7	1349.5	1348.2	1348.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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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°	8.6	8.3	8.3	7.9	7.3	8.3	8.7	8.6	8.4	8.3	8.1
90°	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	13.3	11.9	10.5	10.4	11.7	12.9	14.2	15.4	14.2	12.9	11.7
95°	32.9	41.3	49.9	54.3	55.0	55.7	56.4	57.0	56.4	55.7	55.0
97.5°	82.7	99.4	116.1	123.9	122.7	121.5	120.3	119.1	120.3	121.5	122.7
100°	172.4	171.4	170.6	169.8	169.1	168.4	167.8	167.1	167.8	168.4	169.1
102.5°	221.1	220.5	220.0	219.3	218.4	217.7	216.8	215.9	216.8	217.7	218.4
105°	298.2	298.2	298.2	297.7	296.9	295.9	295.1	294.2	295.1	295.9	296.9
107.5°	376.5	376.1	375.7	375.5	375.5	375.5	375.5	375.5	375.5	375.5	375.5
110°	429.4	429.0	428.5	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3





TEST NUMBER: P333544-935

CATALOG NUMBER: S125RDIP-S610D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	481.0	480.7	480.4	480.0	479.5	479.0	478.5	477.9	478.5	479.0	479.5
115°	557.9	557.7	557.5	556.8	555.7	554.6	553.5	552.3	553.5	554.6	555.7
117.5°	631.3	630.5	629.6	629.2	629.3	629.3	629.4	629.4	629.4	629.3	629.3
120°	678.1	677.4	676.7	676.6	676.7	677.0	677.2	677.4	677.2	677.0	676.7
122.5°	724.4	724.1	723.8	723.2	722.4	721.5	720.7	719.9	720.7	721.5	722.4
125°	792.5	792.5	792.5	791.7	790.1	788.6	787.0	785.5	787.0	788.6	790.1
127.5°	852.8	852.9	853.1	852.6	851.4	850.3	849.3	848.2	849.3	850.3	851.4
130°	892.2	891.9	891.7	891.0	889.9	888.8	887.7	886.6	887.7	888.8	889.9
132.5°	929.5	930.1	930.6	930.1	928.8	927.6	926.3	925.0	926.3	927.6	928.8
135°	984.6	985.0	985.4	985.0	983.6	982.3	980.9	979.6	980.9	982.3	983.6
137.5°	1034.1	1034.5	1034.8	1034.5	1033.3	1032.2	1031.0	1029.8	1031.0	1032.2	1033.3
140°	1064.1	1064.4	1064.5	1064.5	1064.0	1063.6	1063.2	1062.6	1063.2	1063.6	1064.0
142.5°	1094.2	1094.0	1093.6	1093.4	1093.1	1092.9	1092.5	1092.3	1092.5	1092.9	1093.1
145°	1137.7	1137.7	1137.7	1137.5	1137.0	1136.6	1136.2	1135.7	1136.2	1136.6	1137.0
147.5°	1174.0	1173.7	1173.5	1173.4	1173.5	1173.5	1173.6	1173.7	1173.6	1173.5	1173.5
150°	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1197.3	1196.9	1196.4
152.5°	1217.7	1217.3	1216.8	1217.0	1218.1	1219.0	1220.0	1221.0	1220.0	1219.0	1218.1
155°	1245.9	1245.4	1245.0	1245.4	1246.8	1248.1	1249.5	1250.8	1249.5	1248.1	1246.8
157.5°	1270.3	1270.3	1270.2	1270.6	1271.4	1272.2	1273.0	1273.8	1273.0	1272.2	1271.4
160°	1284.4	1284.2	1283.9	1284.5	1285.8	1287.2	1288.5	1289.9	1288.5	1287.2	1285.8
162.5°	1297.2	1296.9	1296.8	1297.3	1298.6	1299.9	1301.3	1302.6	1301.3	1299.9	1298.6
165°	1314.4	1314.1	1314.0	1314.5	1315.9	1317.2	1318.5	1319.8	1318.5	1317.2	1315.9
167.5°	1327.0	1326.8	1326.5	1327.1	1328.5	1329.9	1331.3	1332.7	1331.3	1329.9	1328.5
170°	1333.4	1333.2	1333.0	1333.6	1335.2	1336.7	1338.3	1339.9	1338.3	1336.7	1335.2
172.5°	1338.7	1338.3	1337.8	1338.4	1340.0	1341.5	1343.1	1344.6	1343.1	1341.5	1340.0
175°	1344.5	1344.2	1343.9	1344.5	1345.8	1347.2	1348.5	1349.9	1348.5	1347.2	1345.8
177.5°	1347.9	1347.7	1347.6	1348.0	1349.1	1350.1	1351.2	1352.3	1351.2	1350.1	1349.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333544-935

CATALOG NUMBER: S125RDIP-S610D1205U935-4F0-1E-UDD-A

**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°	8.2	8.5	8.5	9.4	8.9	9.5	9.7	9.6	9.9	10.1	10.0
90°	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3	19.4	20.5	21.4
92.5°	10.4	10.5	11.9	13.3	14.6	16.0	17.1	18.3	19.4	20.5	21.2
95°	54.3	49.9	41.3	32.9	24.5	16.0	17.1	18.3	19.4	20.5	21.0
97.5°	123.9	116.1	99.4	82.7	66.0	49.2	43.0	36.7	30.4	24.1	21.0
100°	169.8	170.6	171.4	172.4	173.2	174.1	140.9	107.9	74.7	41.6	24.5
102.5°	219.3	220.0	220.5	221.1	221.6	222.1	215.9	209.6	203.4	197.1	186.4
105°	297.7	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.1
107.5°	375.5	375.7	376.1	376.5	377.0	377.5	377.5	377.5	377.5	377.6	377.3
110°	428.3	428.5	429.0	429.4	429.8	430.2	429.6	429.0	428.3	427.6	427.4



TEST NUMBER: P333544-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	480.0	480.4	480.7	481.0	481.2	481.5	480.7	479.8	479.0	478.1	477.5
115°	556.8	557.5	557.7	557.9	558.1	558.4	557.5	556.6	555.7	554.8	553.7
117.5°	629.2	629.6	630.5	631.3	632.1	633.0	631.9	630.7	629.6	628.4	627.5
120°	676.6	676.7	677.4	678.1	678.7	679.4	679.0	678.6	678.1	677.7	676.9
122.5°	723.2	723.8	724.1	724.4	724.8	725.0	724.6	724.2	723.8	723.3	722.4
125°	791.7	792.5	792.5	792.5	792.5	792.5	791.6	790.7	789.8	788.9	788.2
127.5°	852.6	853.1	852.9	852.8	852.6	852.6	852.0	851.5	851.1	850.6	849.5
130°	891.0	891.7	891.9	892.2	892.3	892.6	891.9	891.2	890.5	889.9	889.0
132.5°	930.1	930.6	930.1	929.5	929.1	928.6	928.5	928.3	928.2	928.1	927.5
135°	985.0	985.4	985.0	984.6	984.0	983.6	983.2	982.7	982.3	981.9	980.9
137.5°	1034.5	1034.8	1034.5	1034.1	1033.6	1033.3	1033.4	1033.5	1033.5	1033.6	1033.1
140°	1064.5	1064.5	1064.4	1064.1	1063.9	1063.7	1064.1	1064.5	1065.0	1065.5	1065.0
142.5°	1093.4	1093.6	1094.0	1094.2	1094.6	1094.9	1095.0	1095.1	1095.2	1095.3	1094.7
145°	1137.5	1137.7	1137.7	1137.7	1137.7	1137.7	1138.0	1138.2	1138.4	1138.6	1138.1
147.5°	1173.4	1173.5	1173.7	1174.0	1174.3	1174.6	1174.8	1175.1	1175.4	1175.6	1174.9
150°	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1198.2	1198.7	1199.1	1199.5	1198.9
152.5°	1217.0	1216.8	1217.3	1217.7	1218.1	1218.6	1219.0	1219.4	1220.0	1220.4	1219.8
155°	1245.4	1245.0	1245.4	1245.9	1246.4	1246.8	1247.5	1248.1	1248.8	1249.5	1248.9
157.5°	1270.6	1270.2	1270.3	1270.3	1270.4	1270.4	1271.1	1271.9	1272.6	1273.2	1272.7
160°	1284.5	1283.9	1284.2	1284.4	1284.6	1284.8	1285.7	1286.6	1287.5	1288.4	1288.0
162.5°	1297.3	1296.8	1296.9	1297.2	1297.4	1297.6	1298.9	1300.1	1301.4	1302.6	1302.3
165°	1314.5	1314.0	1314.1	1314.4	1314.6	1314.8	1316.2	1317.5	1318.9	1320.2	1319.9
167.5°	1327.1	1326.5	1326.8	1327.0	1327.2	1327.5	1329.0	1330.7	1332.2	1333.9	1333.7
170°	1333.6	1333.0	1333.2	1333.4	1333.6	1333.9	1335.7	1337.4	1339.2	1341.0	1340.8
172.5°	1338.4	1337.8	1338.3	1338.7	1339.0	1339.5	1341.1	1342.6	1344.3	1345.8	1345.7
175°	1344.5	1343.9	1344.2	1344.5	1344.6	1344.9	1346.6	1348.4	1350.2	1351.9	1351.9
177.5°	1348.0	1347.6	1347.7	1347.9	1348.1	1348.2	1349.5	1350.7	1352.0	1353.2	1353.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333544-935

CATALOG NUMBER: S125RDIP-S610D1205U935-4F0-1E-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°	10.4	10.3	10.4	10.6	10.4	10.3	10.4	10.0	10.1	9.9	9.6
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3
92.5°	21.4	21.8	22.1	22.4	22.1	21.8	21.4	21.2	20.5	19.4	18.3
95°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.5	19.4	18.3
97.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.7
100°	23.7	22.8	21.9	21.0	21.9	22.8	23.7	24.5	41.6	74.7	107.9
102.5°	171.3	156.1	141.0	125.9	141.0	156.1	171.3	186.4	197.1	203.4	209.6
105°	297.8	297.6	297.4	297.2	297.4	297.6	297.8	298.1	298.2	298.2	298.2
107.5°	376.6	376.0	375.3	374.6	375.3	376.0	376.6	377.3	377.6	377.5	377.5
110°	427.6	427.8	428.1	428.3	428.1	427.8	427.6	427.4	427.6	428.3	429.0



TEST NUMBER: P333544-935

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	477.3	476.9	476.6	476.3	476.6	476.9	477.3	477.5	478.1	479.0	479.8
115°	552.3	551.0	549.7	548.4	549.7	551.0	552.3	553.7	554.8	555.7	556.6
117.5°	626.9	626.4	625.8	625.2	625.8	626.4	626.9	627.5	628.4	629.6	630.7
120°	675.8	674.7	673.6	672.4	673.6	674.7	675.8	676.9	677.7	678.1	678.6
122.5°	721.1	719.8	718.6	717.3	718.6	719.8	721.1	722.4	723.3	723.8	724.2
125°	787.5	786.9	786.2	785.5	786.2	786.9	787.5	788.2	788.9	789.8	790.7
127.5°	847.9	846.2	844.6	842.9	844.6	846.2	847.9	849.5	850.6	851.1	851.5
130°	887.9	886.8	885.7	884.6	885.7	886.8	887.9	889.0	889.9	890.5	891.2
132.5°	926.3	925.2	924.1	923.0	924.1	925.2	926.3	927.5	928.1	928.2	928.3
135°	979.6	978.3	977.0	975.6	977.0	978.3	979.6	980.9	981.9	982.3	982.7
137.5°	1031.9	1030.8	1029.6	1028.5	1029.6	1030.8	1031.9	1033.1	1033.6	1033.5	1033.5
140°	1063.7	1062.4	1061.0	1059.7	1061.0	1062.4	1063.7	1065.0	1065.5	1065.0	1064.5
142.5°	1093.3	1092.0	1090.6	1089.3	1090.6	1092.0	1093.3	1094.7	1095.3	1095.2	1095.1
145°	1136.7	1135.4	1134.0	1132.7	1134.0	1135.4	1136.7	1138.1	1138.6	1138.4	1138.2
147.5°	1173.4	1171.7	1170.2	1168.5	1170.2	1171.7	1173.4	1174.9	1175.6	1175.4	1175.1
150°	1197.1	1195.3	1193.5	1191.8	1193.5	1195.3	1197.1	1198.9	1199.5	1199.1	1198.7
152.5°	1218.1	1216.6	1215.0	1213.4	1215.0	1216.6	1218.1	1219.8	1220.4	1220.0	1219.4
155°	1247.2	1245.4	1243.5	1241.8	1243.5	1245.4	1247.2	1248.9	1249.5	1248.8	1248.1
157.5°	1270.9	1269.2	1267.4	1265.6	1267.4	1269.2	1270.9	1272.7	1273.2	1272.6	1271.9
160°	1286.2	1284.4	1282.6	1280.8	1282.6	1284.4	1286.2	1288.0	1288.4	1287.5	1286.6
162.5°	1300.3	1298.3	1296.4	1294.4	1296.4	1298.3	1300.3	1302.3	1302.6	1301.4	1300.1
165°	1318.2	1316.4	1314.6	1312.9	1314.6	1316.4	1318.2	1319.9	1320.2	1318.9	1317.5
167.5°	1331.6	1329.6	1327.7	1325.7	1327.7	1329.6	1331.6	1333.7	1333.9	1332.2	1330.7
170°	1338.9	1336.9	1334.9	1332.8	1334.9	1336.9	1338.9	1340.8	1341.0	1339.2	1337.4
172.5°	1343.7	1341.7	1339.6	1337.6	1339.6	1341.7	1343.7	1345.7	1345.8	1344.3	1342.6
175°	1349.9	1347.9	1345.8	1343.8	1345.8	1347.9	1349.9	1351.9	1351.9	1350.2	1348.4
177.5°	1351.8	1350.3	1348.8	1347.5	1348.8	1350.3	1351.8	1353.1	1353.2	1352.0	1350.7
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333544-935

CATALOG NUMBER: S125RDIP-S610D1205U935-4F0-1E-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°	9.7	9.5	8.9	9.4	8.5	8.5	8.2	8.1	8.3	8.4	8.6
90°	17.1	16.0	14.5	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0
92.5°	17.1	16.0	14.6	13.3	11.9	10.5	10.4	11.7	12.9	14.2	15.4
95°	17.1	16.0	24.5	32.9	41.3	49.9	54.3	55.0	55.7	56.4	57.0
97.5°	43.0	49.2	66.0	82.7	99.4	116.1	123.9	122.7	121.5	120.3	119.1
100°	140.9	174.1	173.2	172.4	171.4	170.6	169.8	169.1	168.4	167.8	167.1
102.5°	215.9	222.1	221.6	221.1	220.5	220.0	219.3	218.4	217.7	216.8	215.9
105°	298.2	298.2	298.2	298.2	298.2	298.2	297.7	296.9	295.9	295.1	294.2
107.5°	377.5	377.5	377.0	376.5	376.1	375.7	375.5	375.5	375.5	375.5	375.5
110°	429.6	430.2	429.8	429.4	429.0	428.5	428.3	428.3	428.3	428.3	428.3



TEST NUMBER: P333544-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	480.7	481.5	481.2	481.0	480.7	480.4	480.0	479.5	479.0	478.5	477.9
115°	557.5	558.4	558.1	557.9	557.7	557.5	556.8	555.7	554.6	553.5	552.3
117.5°	631.9	633.0	632.1	631.3	630.5	629.6	629.2	629.3	629.3	629.4	629.4
120°	679.0	679.4	678.7	678.1	677.4	676.7	676.6	676.7	677.0	677.2	677.4
122.5°	724.6	725.0	724.8	724.4	724.1	723.8	723.2	722.4	721.5	720.7	719.9
125°	791.6	792.5	792.5	792.5	792.5	792.5	791.7	790.1	788.6	787.0	785.5
127.5°	852.0	852.6	852.6	852.8	852.9	853.1	852.6	851.4	850.3	849.3	848.2
130°	891.9	892.6	892.3	892.2	891.9	891.7	891.0	889.9	888.8	887.7	886.6
132.5°	928.5	928.6	929.1	929.5	930.1	930.6	930.1	928.8	927.6	926.3	925.0
135°	983.2	983.6	984.0	984.6	985.0	985.4	985.0	983.6	982.3	980.9	979.6
137.5°	1033.4	1033.3	1033.6	1034.1	1034.5	1034.8	1034.5	1033.3	1032.2	1031.0	1029.8
140°	1064.1	1063.7	1063.9	1064.1	1064.4	1064.5	1064.5	1064.0	1063.6	1063.2	1062.6
142.5°	1095.0	1094.9	1094.6	1094.2	1094.0	1093.6	1093.4	1093.1	1092.9	1092.5	1092.3
145°	1138.0	1137.7	1137.7	1137.7	1137.7	1137.7	1137.5	1137.0	1136.6	1136.2	1135.7
147.5°	1174.8	1174.6	1174.3	1174.0	1173.7	1173.5	1173.4	1173.5	1173.5	1173.6	1173.7
150°	1198.2	1197.7	1197.3	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7
152.5°	1219.0	1218.6	1218.1	1217.7	1217.3	1216.8	1217.0	1218.1	1219.0	1220.0	1221.0
155°	1247.5	1246.8	1246.4	1245.9	1245.4	1245.0	1245.4	1246.8	1248.1	1249.5	1250.8
157.5°	1271.1	1270.4	1270.4	1270.3	1270.3	1270.2	1270.6	1271.4	1272.2	1273.0	1273.8
160°	1285.7	1284.8	1284.6	1284.4	1284.2	1283.9	1284.5	1285.8	1287.2	1288.5	1289.9
162.5°	1298.9	1297.6	1297.4	1297.2	1296.9	1296.8	1297.3	1298.6	1299.9	1301.3	1302.6
165°	1316.2	1314.8	1314.6	1314.4	1314.1	1314.0	1314.5	1315.9	1317.2	1318.5	1319.8
167.5°	1329.0	1327.5	1327.2	1327.0	1326.8	1326.5	1327.1	1328.5	1329.9	1331.3	1332.7
170°	1335.7	1333.9	1333.6	1333.4	1333.2	1333.0	1333.6	1335.2	1336.7	1338.3	1339.9
172.5°	1341.1	1339.5	1339.0	1338.7	1338.3	1337.8	1338.4	1340.0	1341.5	1343.1	1344.6
175°	1346.6	1344.9	1344.6	1344.5	1344.2	1343.9	1344.5	1345.8	1347.2	1348.5	1349.9
177.5°	1349.5	1348.2	1348.1	1347.9	1347.7	1347.6	1348.0	1349.1	1350.1	1351.2	1352.3
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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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°	8.7	8.3	7.3	7.9	8.3	8.3	8.6	8.6	8.7	9.0	9.1
90°	2.8	4.6	6.4	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3
92.5°	14.2	12.9	11.7	10.4	10.5	11.9	13.3	14.6	16.0	17.1	18.3
95°	56.4	55.7	55.0	54.3	49.9	41.3	32.9	24.5	16.0	17.1	18.3
97.5°	120.3	121.5	122.7	123.9	116.1	99.4	82.7	66.0	49.2	43.0	36.7
100°	167.8	168.4	169.1	169.8	170.6	171.4	172.4	173.2	174.1	140.9	107.9
102.5°	216.8	217.7	218.4	219.3	220.0	220.5	221.1	221.6	222.1	215.9	209.6
105°	295.1	295.9	296.9	297.7	298.2	298.2	298.2	298.2	298.2	298.2	298.2
107.5°	375.5	375.5	375.5	375.5	375.7	376.1	376.5	377.0	377.5	377.5	377.5
110°	428.3	428.3	428.3	428.3	428.5	429.0	429.4	429.8	430.2	429.6	429.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	478.5	479.0	479.5	480.0	480.4	480.7	481.0	481.2	481.5	480.7	479.8
115°	553.5	554.6	555.7	556.8	557.5	557.7	557.9	558.1	558.4	557.5	556.6
117.5°	629.4	629.3	629.3	629.2	629.6	630.5	631.3	632.1	633.0	631.9	630.7
120°	677.2	677.0	676.7	676.6	676.7	677.4	678.1	678.7	679.4	679.0	678.6
122.5°	720.7	721.5	722.4	723.2	723.8	724.1	724.4	724.8	725.0	724.6	724.2
125°	787.0	788.6	790.1	791.7	792.5	792.5	792.5	792.5	792.5	791.6	790.7
127.5°	849.3	850.3	851.4	852.6	853.1	852.9	852.8	852.6	852.6	852.0	851.5
130°	887.7	888.8	889.9	891.0	891.7	891.9	892.2	892.3	892.6	891.9	891.2
132.5°	926.3	927.6	928.8	930.1	930.6	930.1	929.5	929.1	928.6	928.5	928.3
135°	980.9	982.3	983.6	985.0	985.4	985.0	984.6	984.0	983.6	983.2	982.7
137.5°	1031.0	1032.2	1033.3	1034.5	1034.8	1034.5	1034.1	1033.6	1033.3	1033.4	1033.5
140°	1063.2	1063.6	1064.0	1064.5	1064.5	1064.4	1064.1	1063.9	1063.7	1064.1	1064.5
142.5°	1092.5	1092.9	1093.1	1093.4	1093.6	1094.0	1094.2	1094.6	1094.9	1095.0	1095.1
145°	1136.2	1136.6	1137.0	1137.5	1137.7	1137.7	1137.7	1137.7	1137.7	1138.0	1138.2
147.5°	1173.6	1173.5	1173.5	1173.4	1173.5	1173.7	1174.0	1174.3	1174.6	1174.8	1175.1
150°	1197.3	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1198.2	1198.7
152.5°	1220.0	1219.0	1218.1	1217.0	1216.8	1217.3	1217.7	1218.1	1218.6	1219.0	1219.4
155°	1249.5	1248.1	1246.8	1245.4	1245.0	1245.4	1245.9	1246.4	1246.8	1247.5	1248.1
157.5°	1273.0	1272.2	1271.4	1270.6	1270.2	1270.3	1270.3	1270.4	1270.4	1271.1	1271.9
160°	1288.5	1287.2	1285.8	1284.5	1283.9	1284.2	1284.4	1284.6	1284.8	1285.7	1286.6
162.5°	1301.3	1299.9	1298.6	1297.3	1296.8	1296.9	1297.2	1297.4	1297.6	1298.9	1300.1
165°	1318.5	1317.2	1315.9	1314.5	1314.0	1314.1	1314.4	1314.6	1314.8	1316.2	1317.5
167.5°	1331.3	1329.9	1328.5	1327.1	1326.5	1326.8	1327.0	1327.2	1327.5	1329.0	1330.7
170°	1338.3	1336.7	1335.2	1333.6	1333.0	1333.2	1333.4	1333.6	1333.9	1335.7	1337.4
172.5°	1343.1	1341.5	1340.0	1338.4	1337.8	1338.3	1338.7	1339.0	1339.5	1341.1	1342.6
175°	1348.5	1347.2	1345.8	1344.5	1343.9	1344.2	1344.5	1344.6	1344.9	1346.6	1348.4
177.5°	1351.2	1350.1	1349.1	1348.0	1347.6	1347.7	1347.9	1348.1	1348.2	1349.5	1350.7
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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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°	9.6	10.1	9.7	9.6	9.7	10.2	10.6
90°	19.4	20.5	21.4	22.0	22.6	23.3	24.0
92.5°	19.4	20.5	21.2	21.4	21.8	22.1	22.4
95°	19.4	20.5	21.0	21.0	21.0	21.0	21.0
97.5°	30.4	24.1	21.0	21.0	21.0	21.0	21.0
100°	74.7	41.6	24.5	23.7	22.8	21.9	21.0
102.5°	203.4	197.1	186.4	171.3	156.1	141.0	125.9
105°	298.2	298.2	298.1	297.8	297.6	297.4	297.2
107.5°	377.5	377.6	377.3	376.6	376.0	375.3	374.6
110°	428.3	427.6	427.4	427.6	427.8	428.1	428.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	479.0	478.1	477.5	477.3	476.9	476.6	476.3
115°	555.7	554.8	553.7	552.3	551.0	549.7	548.4
117.5°	629.6	628.4	627.5	626.9	626.4	625.8	625.2
120°	678.1	677.7	676.9	675.8	674.7	673.6	672.4
122.5°	723.8	723.3	722.4	721.1	719.8	718.6	717.3
125°	789.8	788.9	788.2	787.5	786.9	786.2	785.5
127.5°	851.1	850.6	849.5	847.9	846.2	844.6	842.9
130°	890.5	889.9	889.0	887.9	886.8	885.7	884.6
132.5°	928.2	928.1	927.5	926.3	925.2	924.1	923.0
135°	982.3	981.9	980.9	979.6	978.3	977.0	975.6
137.5°	1033.5	1033.6	1033.1	1031.9	1030.8	1029.6	1028.5
140°	1065.0	1065.5	1065.0	1063.7	1062.4	1061.0	1059.7
142.5°	1095.2	1095.3	1094.7	1093.3	1092.0	1090.6	1089.3
145°	1138.4	1138.6	1138.1	1136.7	1135.4	1134.0	1132.7
147.5°	1175.4	1175.6	1174.9	1173.4	1171.7	1170.2	1168.5
150°	1199.1	1199.5	1198.9	1197.1	1195.3	1193.5	1191.8
152.5°	1220.0	1220.4	1219.8	1218.1	1216.6	1215.0	1213.4
155°	1248.8	1249.5	1248.9	1247.2	1245.4	1243.5	1241.8
157.5°	1272.6	1273.2	1272.7	1270.9	1269.2	1267.4	1265.6
160°	1287.5	1288.4	1288.0	1286.2	1284.4	1282.6	1280.8
162.5°	1301.4	1302.6	1302.3	1300.3	1298.3	1296.4	1294.4
165°	1318.9	1320.2	1319.9	1318.2	1316.4	1314.6	1312.9
167.5°	1332.2	1333.9	1333.7	1331.6	1329.6	1327.7	1325.7
170°	1339.2	1341.0	1340.8	1338.9	1336.9	1334.9	1332.8
172.5°	1344.3	1345.8	1345.7	1343.7	1341.7	1339.6	1337.6
175°	1350.2	1351.9	1351.9	1349.9	1347.9	1345.8	1343.8
177.5°	1352.0	1353.2	1353.1	1351.8	1350.3	1348.8	1347.5
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9

(END OF REPORT)