

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: P333677-935

Luminaire Tested: **S125RDIW-S610D1560U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333677-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S610D1560U935-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

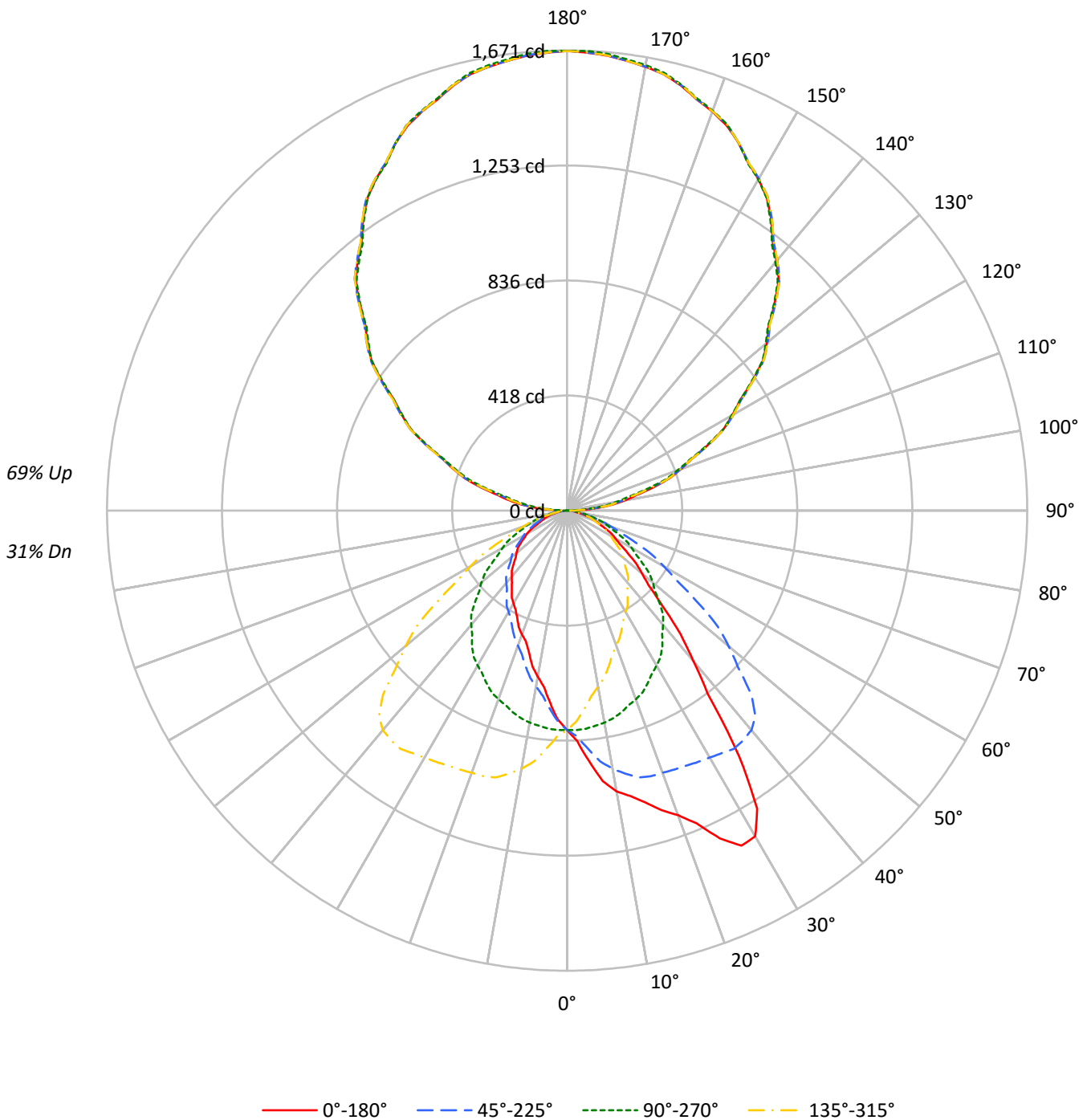
Lumens per Lamp: N/A  
Luminaire Lumens: 6724.0 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	38	38	38	31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	34	34	33	26
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	24	22	21	17
5	66	54	47	41	59	49	43	38	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	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	15	13	12	9
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	11	8

**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	1.1
10°-20°	223.9	3.3
20°-30°	355.0	5.3
30°-40°	428.1	6.4
40°-50°	382.3	5.7
50°-60°	293.2	4.4
60°-70°	190.5	2.8
70°-80°	92.6	1.4
80°-90°	25.8	0.4
90°-100°	111.8	1.7
100°-110°	330.0	4.9
110°-120°	559.0	8.3
120°-130°	735.7	10.9
130°-140°	824.3	12.3
140°-150°	807.9	12.0
150°-160°	678.6	10.1
160°-170°	451.1	6.7
170°-180°	157.9	2.3
0°-30°	655.3	9.7
0°-40°	1083.4	16.1
0°-60°	1758.9	26.2
0°-90°	2067.9	30.8
90°-120°	1000.8	14.9
90°-150°	3368.6	50.1
90°-180°	4656.0	69.2
0°-180°	6724.0	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°	31	1	31	1	31	19
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	565	560	565	560	565	559
125°	822	817	822	817	822	734
135°	1066	1062	1066	1062	1066	822
145°	1292	1287	1292	1287	1292	807
155°	1473	1473	1473	1473	1473	678
165°	1597	1601	1597	1601	1597	450
175°	1658	1665	1658	1665	1658	158
180°	1669	1669	1669	1669	1669	



TEST NUMBER: P333677-935

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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°	12.0	11.5	11.1	10.9	11.0	11.4	10.8	10.2	9.9	9.6	9.5
90°	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7	22.2	20.8	18.8
92.5°	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6	51.7	49.9	47.4
95°	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0	102.0	100.0	97.1
97.5°	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0	161.1	159.2	155.2
100°	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9	201.3	198.6	194.9
102.5°	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9	243.1	240.2	238.3
105°	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8	312.1	310.4	308.6
107.5°	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1	386.2	385.4	384.1
110°	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1	437.1	436.3	435.4



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0	488.6	488.3	487.2
115°	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9	567.1	567.5	566.9
117.5°	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8	644.5	644.4	643.8
120°	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3	697.3	697.3	697.0
122.5°	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8	749.0	749.2	748.5
125°	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8	825.3	825.9	825.6
127.5°	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1	900.3	900.7	900.3
130°	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9	950.2	950.5	949.9
132.5°	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7	998.0	998.3	998.4
135°	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3	1071.3	1071.3	1071.0
137.5°	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9	1142.5	1142.2	1141.5
140°	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0	1187.4	1186.9	1186.0
142.5°	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2	1231.8	1231.5	1230.5
145°	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9	1295.9	1295.9	1295.0
147.5°	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0	1354.3	1353.6	1352.9
150°	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1	1392.1	1392.1	1390.9
152.5°	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7	1426.0	1425.3	1424.8
155°	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1	1475.0	1473.9	1473.5
157.5°	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0	1517.9	1516.7	1516.4
160°	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0	1543.8	1542.7	1542.4
162.5°	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3	1568.0	1566.5	1566.5
165°	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1	1600.9	1599.8	1599.5
167.5°	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3	1624.6	1622.9	1622.9
170°	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9	1639.2	1637.4	1637.4
172.5°	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3	1649.6	1647.9	1647.9
175°	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0	1661.2	1659.5	1659.5
177.5°	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3	1666.9	1665.5	1665.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**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°	9.4	9.0	8.8	8.4	7.7	8.5	8.9	8.6	8.6	8.5	8.4
90°	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3	3.6	5.9	8.3
92.5°	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4	33.1	34.7	36.2
95°	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4	85.0	85.6	86.1
97.5°	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3	140.4	140.7	140.9
100°	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
102.5°	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4	227.6	228.8	229.9
105°	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1	297.5	298.9	300.4
107.5°	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9	374.4	375.8	377.3
110°	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9	427.4	428.8	430.2





TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9	480.7	481.5	482.2
115°	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6	560.9	562.0	563.1
117.5°	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6	640.2	640.7	641.2
120°	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5	691.0	692.4	693.9
122.5°	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6	744.1	744.6	745.1
125°	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7	818.5	820.3	822.0
127.5°	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7	895.7	896.6	897.6
130°	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4	942.9	944.3	945.7
132.5°	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2	990.6	992.9	995.3
135°	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2	1063.9	1065.7	1067.4
137.5°	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8	1133.5	1135.1	1136.8
140°	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5	1177.9	1179.3	1180.8
142.5°	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2	1222.4	1223.6	1224.8
145°	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9	1288.0	1289.2	1290.3
147.5°	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6	1348.2	1348.8	1349.5
150°	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1	1387.8	1387.6	1387.2
152.5°	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3	1421.8	1422.2	1422.5
155°	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2	1517.6	1517.0	1516.3
160°	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2	1544.4	1543.5	1542.7
162.5°	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2	1568.5	1567.9	1567.3
165°	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1	1600.5	1599.9	1599.4
167.5°	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1	1626.9	1625.8	1624.6
170°	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6	1641.5	1640.3	1639.2
172.5°	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0	1651.9	1650.7	1649.6
175°	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7	1663.5	1662.4	1661.2
177.5°	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7	1669.7	1668.9	1667.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**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°	8.6	9.0	9.2	10.2	9.7	10.4	10.8	10.8	11.0	11.4	11.3
90°	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7	25.1	26.5	27.7
92.5°	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6	55.5	57.5	58.7
95°	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0	106.1	108.1	109.3
97.5°	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0	164.9	166.8	168.0
100°	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9	206.5	209.1	210.7
102.5°	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9	248.7	251.5	253.4
105°	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8	315.6	317.3	318.6
107.5°	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1	388.0	388.8	389.3
110°	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1	438.9	439.8	440.1



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0	489.5	489.8	489.8
115°	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9	566.6	566.3	566.0
117.5°	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8	645.1	645.2	644.8
120°	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3	697.3	697.3	696.7
122.5°	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8	748.6	748.3	747.8
125°	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8	824.1	823.5	823.1
127.5°	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1	899.8	899.5	899.1
130°	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9	949.7	949.3	948.9
132.5°	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7	997.5	997.1	996.6
135°	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3	1071.3	1071.3	1070.7
137.5°	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9	1143.2	1143.6	1143.1
140°	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0	1188.6	1189.1	1188.7
142.5°	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2	1232.5	1233.0	1232.3
145°	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9	1295.9	1295.9	1295.5
147.5°	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0	1355.6	1356.3	1355.7
150°	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1	1392.1	1392.1	1391.7
152.5°	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7	1427.4	1428.1	1427.9
155°	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1	1477.3	1478.4	1478.3
157.5°	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0	1520.2	1521.3	1521.0
160°	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0	1546.1	1547.3	1547.1
162.5°	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3	1570.7	1572.1	1571.9
165°	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1	1603.3	1604.4	1604.1
167.5°	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3	1628.1	1629.8	1629.8
170°	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9	1642.6	1644.3	1644.3
172.5°	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3	1653.0	1654.8	1654.8
175°	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0	1664.7	1666.5	1666.3
177.5°	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3	1669.7	1671.0	1670.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**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°	11.7	11.6	11.8	12.0	11.8	11.6	11.7	11.3	11.4	11.0	10.8
90°	28.6	29.4	30.3	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7
92.5°	59.4	60.0	60.6	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6
95°	109.9	110.6	111.1	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0
97.5°	168.3	168.7	169.0	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0
100°	211.2	211.8	212.4	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9
102.5°	254.2	254.9	255.8	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9
105°	319.4	320.3	321.2	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8
107.5°	389.2	389.2	389.1	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1
110°	439.8	439.5	439.2	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	489.3	488.8	488.3	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0
115°	565.8	565.4	565.2	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9
117.5°	643.6	642.5	641.4	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8
120°	695.6	694.4	693.3	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3
122.5°	746.8	745.9	744.9	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8
125°	822.9	822.5	822.3	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8
127.5°	898.5	897.9	897.3	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1
130°	948.4	947.8	947.2	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9
132.5°	995.8	995.0	994.2	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7
135°	1069.5	1068.4	1067.2	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3
137.5°	1141.6	1140.1	1138.7	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9
140°	1187.3	1185.9	1184.4	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0
142.5°	1230.9	1229.5	1228.0	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2
145°	1294.6	1293.7	1292.9	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9
147.5°	1353.8	1351.8	1349.9	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0
150°	1391.1	1390.6	1390.0	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1
152.5°	1426.8	1425.8	1424.8	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7
155°	1476.9	1475.4	1473.9	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1
157.5°	1519.0	1517.1	1515.2	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0
160°	1545.7	1544.2	1542.8	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0
162.5°	1570.3	1568.6	1566.9	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3
165°	1602.4	1600.7	1599.0	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1
167.5°	1628.0	1626.3	1624.4	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3
170°	1642.2	1640.2	1638.1	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9
172.5°	1652.9	1651.1	1649.3	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3
175°	1664.3	1662.2	1660.3	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0
177.5°	1669.3	1667.7	1666.0	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**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°	10.8	10.4	9.7	10.2	9.2	9.0	8.6	8.4	8.5	8.6	8.6
90°	22.2	20.8	18.8	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3
92.5°	51.7	49.9	47.4	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4
95°	102.0	100.0	97.1	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4
97.5°	161.1	159.2	155.2	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3
100°	201.3	198.6	194.9	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8
102.5°	243.1	240.2	238.3	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4
105°	312.1	310.4	308.6	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1
107.5°	386.2	385.4	384.1	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9
110°	437.1	436.3	435.4	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.6	488.3	487.2	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9
115°	567.1	567.5	566.9	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6
117.5°	644.5	644.4	643.8	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6
120°	697.3	697.3	697.0	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5
122.5°	749.0	749.2	748.5	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6
125°	825.3	825.9	825.6	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7
127.5°	900.3	900.7	900.3	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7
130°	950.2	950.5	949.9	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4
132.5°	998.0	998.3	998.4	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2
135°	1071.3	1071.3	1071.0	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2
137.5°	1142.5	1142.2	1141.5	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8
140°	1187.4	1186.9	1186.0	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5
142.5°	1231.8	1231.5	1230.5	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2
145°	1295.9	1295.9	1295.0	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9
147.5°	1354.3	1353.6	1352.9	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6
150°	1392.1	1392.1	1390.9	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1
152.5°	1426.0	1425.3	1424.8	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3
155°	1475.0	1473.9	1473.5	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1517.9	1516.7	1516.4	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2
160°	1543.8	1542.7	1542.4	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2
162.5°	1568.0	1566.5	1566.5	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2
165°	1600.9	1599.8	1599.5	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1
167.5°	1624.6	1622.9	1622.9	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1
170°	1639.2	1637.4	1637.4	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6
172.5°	1649.6	1647.9	1647.9	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0
175°	1661.2	1659.5	1659.5	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7
177.5°	1666.9	1665.5	1665.7	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**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°	8.9	8.5	7.7	8.4	8.8	9.0	9.4	9.5	9.6	9.9	10.2
90°	3.6	5.9	8.3	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7
92.5°	33.1	34.7	36.2	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6
95°	85.0	85.6	86.1	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0
97.5°	140.4	140.7	140.9	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0
100°	181.8	181.8	181.8	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9
102.5°	227.6	228.8	229.9	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9
105°	297.5	298.9	300.4	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8
107.5°	374.4	375.8	377.3	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1
110°	427.4	428.8	430.2	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1





TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.7	481.5	482.2	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0
115°	560.9	562.0	563.1	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9
117.5°	640.2	640.7	641.2	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8
120°	691.0	692.4	693.9	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3
122.5°	744.1	744.6	745.1	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8
125°	818.5	820.3	822.0	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8
127.5°	895.7	896.6	897.6	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1
130°	942.9	944.3	945.7	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9
132.5°	990.6	992.9	995.3	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7
135°	1063.9	1065.7	1067.4	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3
137.5°	1133.5	1135.1	1136.8	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9
140°	1177.9	1179.3	1180.8	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0
142.5°	1222.4	1223.6	1224.8	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2
145°	1288.0	1289.2	1290.3	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9
147.5°	1348.2	1348.8	1349.5	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0
150°	1387.8	1387.6	1387.2	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1
152.5°	1421.8	1422.2	1422.5	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7
155°	1472.6	1472.6	1472.6	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1
157.5°	1517.6	1517.0	1516.3	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0
160°	1544.4	1543.5	1542.7	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0
162.5°	1568.5	1567.9	1567.3	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3
165°	1600.5	1599.9	1599.4	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1
167.5°	1626.9	1625.8	1624.6	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3
170°	1641.5	1640.3	1639.2	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9
172.5°	1651.9	1650.7	1649.6	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3
175°	1663.5	1662.4	1661.2	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0
177.5°	1669.7	1668.9	1667.9	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**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°	10.8	11.4	11.0	10.9	11.1	11.5	12.0
90°	25.1	26.5	27.7	28.6	29.4	30.3	31.2
92.5°	55.5	57.5	58.7	59.4	60.0	60.6	61.3
95°	106.1	108.1	109.3	109.9	110.6	111.1	111.7
97.5°	164.9	166.8	168.0	168.3	168.7	169.0	169.4
100°	206.5	209.1	210.7	211.2	211.8	212.4	212.9
102.5°	248.7	251.5	253.4	254.2	254.9	255.8	256.6
105°	315.6	317.3	318.6	319.4	320.3	321.2	322.0
107.5°	388.0	388.8	389.3	389.2	389.2	389.1	389.0
110°	438.9	439.8	440.1	439.8	439.5	439.2	438.9



TEST NUMBER: P333677-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	489.5	489.8	489.8	489.3	488.8	488.3	487.8
115°	566.6	566.3	566.0	565.8	565.4	565.2	564.9
117.5°	645.1	645.2	644.8	643.6	642.5	641.4	640.2
120°	697.3	697.3	696.7	695.6	694.4	693.3	692.2
122.5°	748.6	748.3	747.8	746.8	745.9	744.9	744.1
125°	824.1	823.5	823.1	822.9	822.5	822.3	822.0
127.5°	899.8	899.5	899.1	898.5	897.9	897.3	896.7
130°	949.7	949.3	948.9	948.4	947.8	947.2	946.7
132.5°	997.5	997.1	996.6	995.8	995.0	994.2	993.3
135°	1071.3	1071.3	1070.7	1069.5	1068.4	1067.2	1066.1
137.5°	1143.2	1143.6	1143.1	1141.6	1140.1	1138.7	1137.2
140°	1188.6	1189.1	1188.7	1187.3	1185.9	1184.4	1182.9
142.5°	1232.5	1233.0	1232.3	1230.9	1229.5	1228.0	1226.6
145°	1295.9	1295.9	1295.5	1294.6	1293.7	1292.9	1292.0
147.5°	1355.6	1356.3	1355.7	1353.8	1351.8	1349.9	1347.9
150°	1392.1	1392.1	1391.7	1391.1	1390.6	1390.0	1389.4
152.5°	1427.4	1428.1	1427.9	1426.8	1425.8	1424.8	1423.7
155°	1477.3	1478.4	1478.3	1476.9	1475.4	1473.9	1472.6
157.5°	1520.2	1521.3	1521.0	1519.0	1517.1	1515.2	1513.3
160°	1546.1	1547.3	1547.1	1545.7	1544.2	1542.8	1541.4
162.5°	1570.7	1572.1	1571.9	1570.3	1568.6	1566.9	1565.2
165°	1603.3	1604.4	1604.1	1602.4	1600.7	1599.0	1597.2
167.5°	1628.1	1629.8	1629.8	1628.0	1626.3	1624.4	1622.6
170°	1642.6	1644.3	1644.3	1642.2	1640.2	1638.1	1636.2
172.5°	1653.0	1654.8	1654.8	1652.9	1651.1	1649.3	1647.6
175°	1664.7	1666.5	1666.3	1664.3	1662.2	1660.3	1658.2
177.5°	1669.7	1671.0	1670.9	1669.3	1667.7	1666.0	1664.5
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6

(END OF REPORT)