

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: P333394-935

Luminaire Tested: **S125DIW-S610D1560U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333394-935  
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: S125DIW-S610D1560U935-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7547.3 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

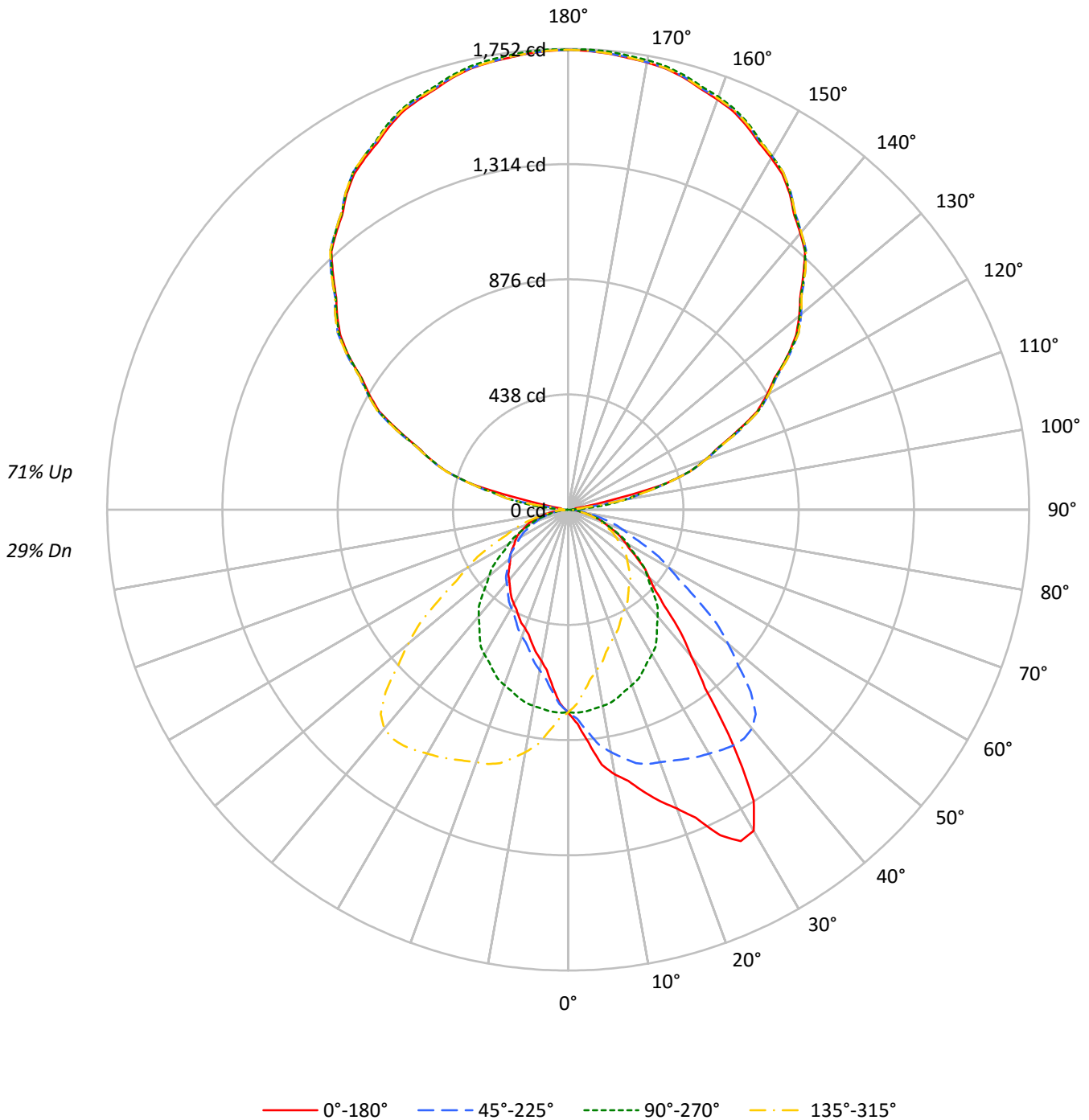
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37	29				
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25				
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	28	26	21				
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18				
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15				
5	65	54	46	40	58	49	42	37	39	34	30	29	26	23	21	19	17	13				
6	60	48	40	35	53	43	37	32	35	30	26	26	23	20	19	17	15	12				
7	55	43	36	30	49	39	33	28	31	26	23	24	21	18	17	15	13	10				
8	51	39	32	27	46	35	29	24	28	24	20	22	18	16	16	13	12	9				
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8				
10	44	33	26	21	40	30	23	19	24	19	16	18	15	13	13	11	10	8				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	4977	4977	4977	4977
5°	5763	4994	4372	4994
10°	6705	4968	3831	4968
15°	7422	4931	3534	4931
20°	8308	4874	3296	4874
25°	9733	4809	3180	4809
30°	10513	4744	3078	4744
35°	8643	4623	3012	4623
40°	6144	4457	2939	4457
45°	4720	4230	2898	4230
50°	4029	3950	2892	3950
55°	3587	3675	2917	3675
60°	3237	3375	2992	3375
65°	2989	3073	3069	3073
70°	2717	2761	3114	2761
75°	2400	2433	3084	2433
80°	2020	1982	2823	1982
85°	1601	1430	2275	1430



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.2	1.0
10°-20°	220.9	2.9
20°-30°	358.6	4.8
30°-40°	437.5	5.8
40°-50°	398.0	5.3
50°-60°	317.0	4.2
60°-70°	220.8	2.9
70°-80°	117.7	1.6
80°-90°	33.4	0.4
90°-100°	63.5	0.8
100°-110°	391.6	5.2
110°-120°	710.2	9.4
120°-130°	911.5	12.1
130°-140°	980.4	13.0
140°-150°	920.2	12.2
150°-160°	744.4	9.9
160°-170°	481.4	6.4
170°-180°	166.0	2.2
0°-30°	653.7	8.7
0°-40°	1091.2	14.5
0°-60°	1806.2	23.9
0°-90°	2178.1	28.9
90°-120°	1165.3	15.4
90°-150°	3977.4	52.7
90°-180°	5369.0	71.1
0°-180°	7547.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	771	771	771	771	771	
5°	889	770	674	770	889	90
15°	1110	738	529	738	1110	318
25°	1366	675	446	675	1366	624
35°	1096	586	382	586	1096	671
45°	517	463	317	463	517	414
55°	319	326	259	326	319	287
65°	196	201	201	201	196	194
75°	96	98	124	98	96	104
85°	22	19	31	19	22	26
90°	31	1	31	1	31	14
95°	27	74	27	74	27	22
105°	385	381	385	381	385	348
115°	710	716	710	716	710	705
125°	1017	1017	1017	1017	1017	905
135°	1264	1269	1264	1269	1264	975
145°	1467	1471	1467	1471	1467	916
155°	1608	1620	1608	1620	1608	741
165°	1700	1710	1700	1710	1700	480
175°	1741	1748	1741	1748	1741	166
180°	1748	1748	1748	1748	1748	



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	815.1	814.0	813.0	810.9	812.4	808.0	805.9	802.3	797.8	796.3	794.4
5°	889.0	890.6	892.3	885.4	886.1	881.5	871.0	862.5	855.7	846.8	840.6
7.5°	977.9	974.0	973.8	969.3	961.7	955.5	944.5	930.5	917.0	901.6	888.8
10°	1022.4	1022.8	1019.9	1014.6	1006.4	1000.5	986.1	972.4	955.7	936.1	922.0
12.5°	1055.9	1057.3	1053.6	1046.5	1042.5	1029.3	1018.0	1001.7	981.9	966.2	944.8
15°	1110.1	1106.5	1103.9	1095.0	1088.1	1074.4	1056.4	1039.4	1017.9	997.9	977.9
17.5°	1162.3	1165.2	1160.3	1152.2	1130.9	1114.8	1090.7	1067.5	1040.5	1013.8	990.0
20°	1208.8	1211.5	1203.9	1189.9	1164.4	1148.3	1116.6	1086.5	1055.5	1021.1	995.0
22.5°	1267.0	1264.9	1254.7	1233.3	1211.3	1181.6	1147.3	1110.6	1071.7	1032.9	998.1
25°	1365.9	1352.1	1345.9	1319.4	1290.3	1246.8	1199.7	1146.1	1097.7	1046.3	1001.9
27.5°	1420.6	1416.3	1409.5	1390.9	1360.4	1313.9	1258.4	1193.0	1124.6	1059.9	1001.6
30°	1409.7	1410.3	1411.0	1405.1	1385.5	1350.5	1295.2	1224.9	1143.8	1070.8	1003.5
32.5°	1312.3	1324.2	1335.7	1349.1	1354.6	1347.9	1313.3	1249.7	1166.3	1083.4	1002.4
35°	1096.3	1099.9	1137.0	1173.5	1223.2	1261.9	1287.7	1259.6	1189.2	1094.1	1001.2
37.5°	854.8	872.5	898.1	939.5	1011.2	1075.5	1158.1	1196.1	1173.4	1097.5	998.8
40°	728.8	745.1	761.7	803.9	864.4	942.3	1036.1	1116.3	1135.0	1086.5	991.0
42.5°	631.4	644.4	662.9	694.6	745.1	814.1	903.8	1008.5	1072.9	1054.6	974.6
45°	516.8	525.0	539.3	564.6	601.2	655.1	734.3	848.8	948.5	981.5	935.4
47.5°	442.3	442.3	453.5	470.9	497.3	543.1	601.7	691.4	797.9	876.8	873.1
50°	401.0	399.3	408.2	423.3	444.2	474.6	530.5	602.2	704.6	793.8	818.6
52.5°	365.4	365.6	371.0	382.1	399.7	425.7	467.4	532.0	619.5	711.1	757.9
55°	318.6	317.3	323.5	331.0	343.8	360.8	390.9	440.2	511.2	601.5	662.3
57.5°	275.7	279.2	281.7	287.0	297.6	308.9	334.3	370.6	426.9	504.4	568.7
60°	250.6	254.2	256.1	261.3	269.8	279.7	299.3	328.7	376.2	442.9	506.6
62.5°	228.0	230.8	231.5	236.2	243.1	252.7	268.1	292.8	330.4	388.7	451.2
65°	195.6	195.6	196.9	201.8	205.1	213.6	225.3	243.3	273.5	318.9	372.2
67.5°	164.3	165.9	165.6	167.7	170.7	177.4	185.8	200.6	222.9	256.1	298.8
70°	143.9	145.3	144.9	146.5	149.8	154.0	160.9	175.0	191.0	219.5	256.1
72.5°	125.6	126.1	125.3	127.4	129.4	133.1	140.8	148.3	163.2	187.3	217.4
75°	96.2	96.8	97.5	98.8	100.7	102.7	106.6	114.2	124.0	142.0	161.3
77.5°	72.1	70.9	72.4	72.2	73.4	74.8	78.3	82.3	90.3	101.7	116.7
80°	54.3	54.6	54.6	54.9	56.6	57.6	60.5	63.5	69.7	78.2	88.6
82.5°	39.6	40.5	40.0	40.6	41.9	42.6	44.3	46.7	50.3	57.0	64.6
85°	21.6	20.0	20.6	21.3	21.3	21.6	22.9	23.8	25.8	28.4	31.4
87.5°	12.5	12.8	12.9	12.7	12.8	12.7	13.3	13.1	13.6	14.1	14.7
90°	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6	22.2	20.8	18.9
95°	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6	22.2	20.8	31.7
97.5°	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5	55.6	63.8	85.4
100°	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7	182.6	225.5	224.4
102.5°	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5	279.7	287.7	287.1
105°	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0	489.0	488.9	488.4
110°	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6	556.5	557.3	556.7



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5	622.6	623.7	623.4
115°	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9	722.0	723.2	723.0
117.5°	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9	818.4	819.9	818.8
120°	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9	879.5	880.0	879.2
122.5°	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0	938.6	939.2	938.7
125°	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2	1025.4	1026.5	1026.5
127.5°	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0	1103.6	1104.3	1104.5
130°	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4	1155.3	1156.2	1155.8
132.5°	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5	1202.6	1202.8	1203.4
135°	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9	1273.5	1274.1	1274.6
137.5°	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6	1338.5	1338.3	1338.9
140°	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9	1378.4	1377.8	1378.0
142.5°	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4	1418.3	1418.2	1417.8
145°	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3	1473.9	1473.7	1473.7
147.5°	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1	1521.7	1521.4	1521.0
150°	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6	1552.0	1551.4	1550.8
152.5°	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6	1579.0	1578.4	1577.9
155°	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7	1615.8	1615.0	1614.4
157.5°	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4	1646.5	1645.5	1645.5
160°	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5	1665.3	1664.2	1663.9
162.5°	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0	1682.4	1680.8	1680.5
165°	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5	1704.8	1703.1	1702.8
167.5°	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5	1721.5	1719.4	1719.2
170°	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3	1730.0	1727.7	1727.4
172.5°	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1	1737.1	1735.0	1734.5
175°	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5	1744.3	1742.0	1741.7
177.5°	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6	1748.0	1746.4	1746.1
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	792.8	791.0	788.9	785.2	780.8	778.4	774.8	772.4	767.7	763.8	759.6
5°	833.0	824.6	816.7	806.6	795.5	788.2	779.7	770.3	760.4	750.3	739.2
7.5°	874.7	859.7	843.3	825.7	808.6	792.7	777.6	762.8	748.9	732.1	717.9
10°	902.8	883.7	863.5	839.6	816.4	796.1	775.5	757.5	739.2	719.5	702.2
12.5°	930.7	905.4	876.8	850.6	822.7	798.2	774.0	751.0	728.0	706.2	686.0
15°	950.5	928.2	901.7	864.4	833.0	799.4	767.3	737.5	709.7	685.5	660.0
17.5°	963.5	934.9	906.4	870.6	829.5	791.8	755.4	721.4	690.1	659.4	634.8
20°	965.9	936.4	906.6	871.7	829.5	786.3	750.0	709.1	675.4	643.7	613.5
22.5°	965.1	931.7	899.3	863.2	822.2	782.4	738.5	696.8	660.2	629.0	597.6
25°	957.7	922.0	881.5	845.2	804.6	762.4	717.9	674.8	637.5	601.8	570.8
27.5°	951.5	905.3	859.4	817.0	777.8	739.2	696.6	652.4	611.1	574.9	545.6
30°	943.9	893.2	841.5	797.4	757.2	719.5	679.3	636.2	593.0	557.7	526.2
32.5°	937.1	878.0	823.5	775.4	732.9	696.3	659.2	618.1	575.8	539.8	508.5
35°	924.0	855.7	793.2	738.8	693.4	655.8	624.7	586.4	547.5	512.8	482.8
37.5°	907.3	826.2	759.1	702.2	652.4	612.8	583.8	554.5	517.1	483.7	456.5
40°	894.2	805.3	734.3	676.1	624.4	583.2	556.4	528.6	497.5	466.4	437.6
42.5°	877.7	786.4	709.1	646.5	595.4	555.2	527.0	503.4	476.0	447.0	420.3
45°	847.5	752.3	668.6	601.2	549.5	509.9	480.8	463.1	442.6	415.1	392.5
47.5°	802.9	711.3	624.7	555.1	501.8	465.1	437.8	420.9	406.4	386.0	365.5
50°	763.4	680.6	593.0	524.0	470.6	433.7	408.5	393.1	380.7	365.0	347.7
52.5°	719.2	642.1	561.9	493.6	440.8	404.4	379.7	366.2	355.9	344.6	327.5
55°	648.9	583.5	508.9	444.2	395.5	359.8	338.2	326.4	317.9	309.4	298.9
57.5°	571.5	520.4	454.3	395.1	350.3	317.8	297.6	286.2	279.6	275.2	269.1
60°	517.1	473.3	416.4	362.4	318.6	289.8	270.2	261.3	255.8	252.2	247.6
62.5°	466.6	430.6	377.9	328.6	290.3	263.1	245.6	237.0	231.7	230.0	226.1
65°	392.2	364.4	320.9	280.0	247.3	224.0	209.3	201.1	197.9	195.9	196.2
67.5°	318.8	301.9	267.0	232.1	206.0	186.5	174.7	168.4	166.8	164.2	164.1
70°	274.1	261.3	231.9	201.5	178.2	163.2	152.7	146.2	144.6	143.3	142.9
72.5°	234.5	223.4	197.9	173.5	152.7	139.4	130.8	126.8	124.2	123.4	123.3
75°	176.3	170.0	149.8	130.5	116.1	106.9	101.1	97.5	95.5	95.1	95.5
77.5°	125.4	119.9	107.0	93.3	84.3	77.3	72.3	71.1	68.9	69.0	68.6
80°	94.2	90.6	82.4	71.6	64.1	58.2	55.6	53.3	52.7	51.7	52.7
82.5°	68.3	64.4	58.9	52.0	45.8	42.3	39.6	38.9	38.5	38.1	38.2
85°	33.7	34.0	30.7	25.5	22.9	20.9	19.3	19.3	18.9	18.7	18.9
87.5°	14.9	13.9	12.5	11.3	9.5	8.3	7.5	7.3	7.0	7.2	7.9
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0	18.3	16.7	15.2
95°	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9	73.0	72.2	71.3
97.5°	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2	155.8	157.3	158.9
100°	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5	217.3	218.2	219.0
102.5°	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7	280.8	281.9	283.0
105°	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1	382.2	383.4	384.5
107.5°	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
110°	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7





TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1	619.7	620.4	621.1
115°	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5	716.9	718.3	719.8
117.5°	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3	815.2	815.1	815.1
120°	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4	877.2	876.9	876.6
122.5°	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5	933.5	934.6	935.7
125°	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4	1019.4	1021.5	1023.5
127.5°	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5	1100.0	1101.5	1102.9
130°	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3	1149.8	1151.2	1152.7
132.5°	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1	1199.8	1201.4	1203.2
135°	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9	1270.6	1272.4	1274.1
137.5°	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9	1335.4	1337.0	1338.4
140°	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5	1377.1	1377.6	1378.2
142.5°	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8	1415.1	1415.5	1415.8
145°	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1	1471.6	1472.2	1472.8
147.5°	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4	1520.2	1520.1	1520.0
150°	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1550.8	1550.3	1549.7
152.5°	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5	1580.3	1579.0	1577.7
155°	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1	1618.4	1616.7	1615.0
157.5°	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9	1648.9	1647.9	1646.8
160°	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7	1669.0	1667.2	1665.5
162.5°	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3	1685.6	1683.9	1682.0
165°	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6	1707.9	1706.1	1704.3
167.5°	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1	1724.4	1722.6	1720.8
170°	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5	1733.5	1731.5	1729.4
172.5°	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7	1739.7	1737.7	1735.7
175°	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4	1746.7	1745.0	1743.3
177.5°	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5	1750.2	1748.8	1747.4
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	757.2	754.3	752.0	746.7	743.9	739.9	736.8	740.2	736.6	738.1	735.8
5°	733.7	724.4	717.9	708.4	700.3	692.8	687.2	686.2	683.5	682.3	678.4
7.5°	705.2	693.8	682.5	670.1	659.6	649.0	642.1	636.5	632.8	627.9	624.6
10°	688.5	673.1	660.0	645.0	631.9	620.4	611.3	606.7	602.4	596.2	594.0
12.5°	667.8	651.9	635.9	619.8	607.3	594.5	586.7	579.8	576.9	569.8	569.1
15°	643.0	619.1	603.5	587.1	569.7	559.3	552.8	545.3	542.0	537.1	533.5
17.5°	613.5	592.1	572.5	555.6	540.7	531.9	523.7	518.6	513.0	509.8	503.9
20°	592.0	571.7	552.1	534.1	522.6	512.6	506.0	501.1	495.2	493.5	487.7
22.5°	573.9	551.6	532.7	517.6	505.1	493.7	486.6	483.3	479.2	474.2	473.0
25°	544.6	521.3	505.3	490.3	479.1	468.7	463.8	459.5	455.6	452.0	450.7
27.5°	519.2	498.4	479.4	465.8	456.2	446.6	442.3	437.1	434.2	431.4	427.8
30°	501.4	480.2	463.5	450.4	439.9	431.4	426.8	423.3	420.6	418.0	416.0
32.5°	483.1	463.4	447.2	434.5	424.0	417.6	413.5	411.0	408.0	404.9	402.4
35°	458.9	437.3	421.6	410.4	402.3	397.4	392.8	390.5	387.3	387.3	384.6
37.5°	431.6	412.9	399.1	388.9	381.6	377.2	372.3	370.7	368.6	367.2	366.4
40°	415.3	398.0	385.0	374.8	367.0	363.3	359.5	356.8	355.5	353.9	353.3
42.5°	398.6	382.1	369.5	360.2	353.4	350.3	346.6	344.8	342.2	340.0	339.7
45°	373.2	357.1	345.7	338.2	332.3	328.7	326.4	322.5	321.2	318.6	318.2
47.5°	349.0	333.6	322.4	316.2	311.1	308.2	304.5	300.7	299.1	297.8	297.7
50°	331.0	316.9	306.4	300.6	295.7	291.4	287.8	285.2	284.2	284.2	284.9
52.5°	312.7	300.7	291.8	284.6	280.0	275.4	272.2	270.5	269.1	270.6	271.8
55°	285.9	273.8	267.3	260.4	255.8	250.6	248.9	248.2	247.3	249.9	251.2
57.5°	257.4	249.0	241.3	234.5	230.4	227.4	225.2	224.8	226.6	227.8	232.1
60°	239.4	229.6	222.7	217.5	212.6	210.6	210.0	209.3	210.6	214.2	219.8
62.5°	219.6	211.5	204.1	200.3	196.7	193.4	193.2	193.6	196.2	200.4	206.0
65°	190.4	183.5	178.6	174.0	171.1	169.1	169.8	171.1	174.0	179.6	185.8
67.5°	160.7	156.0	151.6	147.9	145.1	145.1	145.8	147.7	151.2	157.6	163.2
70°	141.6	136.4	132.8	131.1	128.9	127.6	129.5	132.8	135.7	141.6	146.5
72.5°	122.5	118.0	115.3	114.2	113.1	112.1	112.8	116.3	120.3	126.2	131.9
75°	94.2	92.6	90.6	89.3	88.3	88.9	89.6	92.9	96.2	102.4	108.9
77.5°	68.8	67.1	65.9	65.5	65.0	65.3	67.2	69.6	72.8	77.3	82.3
80°	52.0	51.3	50.7	50.4	50.4	50.7	53.3	54.9	57.9	62.2	66.0
82.5°	37.9	37.5	37.4	37.3	37.5	37.6	39.2	41.3	43.7	47.0	50.4
85°	20.0	19.3	20.3	20.6	20.0	20.9	21.6	22.9	23.8	25.5	27.1
87.5°	8.6	9.6	9.7	10.4	10.8	11.7	11.8	13.1	13.9	14.7	14.7
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.6
92.5°	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6	25.1	26.5	27.4
95°	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6	25.1	26.5	27.2
97.5°	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5	39.4	31.3	27.2
100°	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7	96.8	53.9	31.9
102.5°	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5	263.4	255.3	241.4
105°	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.1
107.5°	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0	489.0	489.1	488.7
110°	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6	554.7	553.9	553.6



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5	620.4	619.3	618.5
115°	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9	719.8	718.6	717.2
117.5°	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9	815.5	813.9	812.8
120°	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9	878.3	877.8	876.8
122.5°	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0	937.5	936.9	935.7
125°	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2	1023.0	1021.9	1020.9
127.5°	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0	1102.4	1101.7	1100.4
130°	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4	1153.6	1152.7	1151.5
132.5°	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5	1202.3	1202.1	1201.3
135°	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9	1272.4	1271.8	1270.6
137.5°	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6	1338.7	1338.9	1338.2
140°	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9	1379.5	1380.1	1379.5
142.5°	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4	1418.6	1418.7	1417.9
145°	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3	1474.5	1474.8	1474.1
147.5°	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1	1522.4	1522.8	1521.9
150°	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6	1553.2	1553.8	1552.9
152.5°	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6	1580.1	1580.7	1579.9
155°	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7	1617.6	1618.4	1617.6
157.5°	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4	1648.3	1649.2	1648.6
160°	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5	1667.7	1668.8	1668.3
162.5°	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0	1685.7	1687.2	1686.8
165°	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5	1708.3	1710.0	1709.7
167.5°	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5	1725.6	1727.7	1727.4
170°	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3	1734.7	1736.9	1736.8
172.5°	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1	1741.2	1743.3	1743.0
175°	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5	1748.9	1751.2	1751.0
177.5°	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6	1751.2	1752.8	1752.7
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	734.2	736.1	734.5	736.6	734.5	736.1	734.2	735.8	738.1	736.6	740.2
5°	676.7	673.7	675.7	674.4	675.7	673.7	676.7	678.4	682.3	683.5	686.2
7.5°	623.6	620.8	617.6	616.0	617.6	620.8	623.6	624.6	627.9	632.8	636.5
10°	590.4	586.8	586.4	584.2	586.4	586.8	590.4	594.0	596.2	602.4	606.7
12.5°	566.0	562.7	559.0	558.0	559.0	562.7	566.0	569.1	569.8	576.9	579.8
15°	531.5	528.9	526.6	528.6	526.6	528.9	531.5	533.5	537.1	542.0	545.3
17.5°	502.7	500.6	500.2	497.8	500.2	500.6	502.7	503.9	509.8	513.0	518.6
20°	484.7	483.1	483.7	479.5	483.7	483.1	484.7	487.7	493.5	495.2	501.1
22.5°	470.4	467.1	466.7	465.9	466.7	467.1	470.4	473.0	474.2	479.2	483.3
25°	447.8	446.2	444.5	446.2	444.5	446.2	447.8	450.7	452.0	455.6	459.5
27.5°	428.1	426.1	425.7	425.9	425.7	426.1	428.1	427.8	431.4	434.2	437.1
30°	416.0	412.8	413.1	412.8	413.1	412.8	416.0	416.0	418.0	420.6	423.3
32.5°	402.9	400.7	400.3	399.7	400.3	400.7	402.9	402.4	404.9	408.0	411.0
35°	383.7	383.7	382.0	382.0	382.0	383.7	383.7	384.6	387.3	387.3	390.5
37.5°	365.5	365.2	364.2	364.4	364.2	365.2	365.5	366.4	367.2	368.6	370.7
40°	351.9	351.6	350.6	348.6	350.6	351.6	351.9	353.3	353.9	355.5	356.8
42.5°	338.9	337.8	337.3	336.7	337.3	337.8	338.9	339.7	340.0	342.2	344.8
45°	318.2	318.2	317.6	317.3	317.6	318.2	318.2	318.2	318.6	321.2	322.5
47.5°	298.3	298.9	300.1	299.9	300.1	298.9	298.3	297.7	297.8	299.1	300.7
50°	286.2	286.5	287.5	287.8	287.5	286.5	286.2	284.9	284.2	284.2	285.2
52.5°	272.9	274.7	276.0	275.8	276.0	274.7	272.9	271.8	270.6	269.1	270.5
55°	254.2	256.4	258.7	259.1	258.7	256.4	254.2	251.2	249.9	247.3	248.2
57.5°	235.7	238.8	241.3	242.0	241.3	238.8	235.7	232.1	227.8	226.6	224.8
60°	223.1	227.3	230.2	231.6	230.2	227.3	223.1	219.8	214.2	210.6	209.3
62.5°	211.0	215.8	218.8	219.0	218.8	215.8	211.0	206.0	200.4	196.2	193.6
65°	191.3	196.2	198.9	200.8	198.9	196.2	191.3	185.8	179.6	174.0	171.1
67.5°	170.1	175.0	178.0	179.5	178.0	175.0	170.1	163.2	157.6	151.2	147.7
70°	154.7	159.6	163.5	164.9	163.5	159.6	154.7	146.5	141.6	135.7	132.8
72.5°	139.6	143.9	147.1	148.6	147.1	143.9	139.6	131.9	126.2	120.3	116.3
75°	113.1	119.1	122.0	123.6	122.0	119.1	113.1	108.9	102.4	96.2	92.9
77.5°	87.3	92.6	94.4	95.2	94.4	92.6	87.3	82.3	77.3	72.8	69.6
80°	70.0	73.3	75.6	75.9	75.6	73.3	70.0	66.0	62.2	57.9	54.9
82.5°	53.8	56.5	57.3	58.1	57.3	56.5	53.8	50.4	47.0	43.7	41.3
85°	29.4	30.7	31.1	30.7	31.1	30.7	29.4	27.1	25.5	23.8	22.9
87.5°	15.4	15.3	15.5	16.2	15.5	15.3	15.4	14.7	14.7	13.9	13.1
90°	28.5	29.4	30.2	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6
92.5°	27.8	28.2	28.7	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6
95°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6
97.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5
100°	30.7	29.5	28.4	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7
102.5°	221.8	202.2	182.6	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5
105°	385.8	385.6	385.2	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2
107.5°	487.8	487.0	486.1	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0
110°	553.9	554.1	554.5	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	618.2	617.8	617.3	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5
115°	715.5	713.7	712.0	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9
117.5°	812.1	811.3	810.5	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9
120°	875.3	873.8	872.5	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9
122.5°	934.1	932.4	930.7	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0
125°	1020.0	1019.2	1018.3	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2
127.5°	1098.2	1096.1	1094.0	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0
130°	1150.1	1148.7	1147.2	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4
132.5°	1199.9	1198.4	1197.0	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5
135°	1268.9	1267.1	1265.4	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9
137.5°	1336.6	1335.2	1333.6	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6
140°	1377.8	1376.1	1374.3	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9
142.5°	1416.1	1414.4	1412.6	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4
145°	1472.4	1470.7	1469.0	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3
147.5°	1519.8	1517.8	1515.7	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1
150°	1550.6	1548.3	1546.0	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6
152.5°	1577.9	1575.8	1573.7	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6
155°	1615.4	1613.1	1610.8	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7
157.5°	1646.2	1643.9	1641.6	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4
160°	1665.9	1663.6	1661.3	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5
162.5°	1684.3	1681.7	1679.2	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0
165°	1707.4	1705.1	1702.8	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5
167.5°	1724.8	1722.3	1719.7	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5
170°	1734.2	1731.6	1729.0	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3
172.5°	1740.4	1737.8	1735.3	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1
175°	1748.4	1745.8	1743.3	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5
177.5°	1750.8	1749.0	1747.1	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	736.8	739.9	743.9	746.7	752.0	754.3	757.2	759.6	763.8	767.7	772.4
5°	687.2	692.8	700.3	708.4	717.9	724.4	733.7	739.2	750.3	760.4	770.3
7.5°	642.1	649.0	659.6	670.1	682.5	693.8	705.2	717.9	732.1	748.9	762.8
10°	611.3	620.4	631.9	645.0	660.0	673.1	688.5	702.2	719.5	739.2	757.5
12.5°	586.7	594.5	607.3	619.8	635.9	651.9	667.8	686.0	706.2	728.0	751.0
15°	552.8	559.3	569.7	587.1	603.5	619.1	643.0	660.0	685.5	709.7	737.5
17.5°	523.7	531.9	540.7	555.6	572.5	592.1	613.5	634.8	659.4	690.1	721.4
20°	506.0	512.6	522.6	534.1	552.1	571.7	592.0	613.5	643.7	675.4	709.1
22.5°	486.6	493.7	505.1	517.6	532.7	551.6	573.9	597.6	629.0	660.2	696.8
25°	463.8	468.7	479.1	490.3	505.3	521.3	544.6	570.8	601.8	637.5	674.8
27.5°	442.3	446.6	456.2	465.8	479.4	498.4	519.2	545.6	574.9	611.1	652.4
30°	426.8	431.4	439.9	450.4	463.5	480.2	501.4	526.2	557.7	593.0	636.2
32.5°	413.5	417.6	424.0	434.5	447.2	463.4	483.1	508.5	539.8	575.8	618.1
35°	392.8	397.4	402.3	410.4	421.6	437.3	458.9	482.8	512.8	547.5	586.4
37.5°	372.3	377.2	381.6	388.9	399.1	412.9	431.6	456.5	483.7	517.1	554.5
40°	359.5	363.3	367.0	374.8	385.0	398.0	415.3	437.6	466.4	497.5	528.6
42.5°	346.6	350.3	353.4	360.2	369.5	382.1	398.6	420.3	447.0	476.0	503.4
45°	326.4	328.7	332.3	338.2	345.7	357.1	373.2	392.5	415.1	442.6	463.1
47.5°	304.5	308.2	311.1	316.2	322.4	333.6	349.0	365.5	386.0	406.4	420.9
50°	287.8	291.4	295.7	300.6	306.4	316.9	331.0	347.7	365.0	380.7	393.1
52.5°	272.2	275.4	280.0	284.6	291.8	300.7	312.7	327.5	344.6	355.9	366.2
55°	248.9	250.6	255.8	260.4	267.3	273.8	285.9	298.9	309.4	317.9	326.4
57.5°	225.2	227.4	230.4	234.5	241.3	249.0	257.4	269.1	275.2	279.6	286.2
60°	210.0	210.6	212.6	217.5	222.7	229.6	239.4	247.6	252.2	255.8	261.3
62.5°	193.2	193.4	196.7	200.3	204.1	211.5	219.6	226.1	230.0	231.7	237.0
65°	169.8	169.1	171.1	174.0	178.6	183.5	190.4	196.2	195.9	197.9	201.1
67.5°	145.8	145.1	145.1	147.9	151.6	156.0	160.7	164.1	164.2	166.8	168.4
70°	129.5	127.6	128.9	131.1	132.8	136.4	141.6	142.9	143.3	144.6	146.2
72.5°	112.8	112.1	113.1	114.2	115.3	118.0	122.5	123.3	123.4	124.2	126.8
75°	89.6	88.9	88.3	89.3	90.6	92.6	94.2	95.5	95.1	95.5	97.5
77.5°	67.2	65.3	65.0	65.5	65.9	67.1	68.8	68.6	69.0	68.9	71.1
80°	53.3	50.7	50.4	50.4	50.7	51.3	52.0	52.7	51.7	52.7	53.3
82.5°	39.2	37.6	37.5	37.3	37.4	37.5	37.9	38.2	38.1	38.5	38.9
85°	21.6	20.9	20.0	20.6	20.3	19.3	20.0	18.9	18.7	18.9	19.3
87.5°	11.8	11.7	10.8	10.4	9.7	9.6	8.6	7.9	7.2	7.0	7.3
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	22.2	20.8	18.9	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0
95°	22.2	20.8	31.7	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9
97.5°	55.6	63.8	85.4	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2
100°	182.6	225.5	224.4	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5
102.5°	279.7	287.7	287.1	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7
105°	386.2	386.2	386.2	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1
107.5°	489.0	488.9	488.4	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3
110°	556.5	557.3	556.7	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	622.6	623.7	623.4	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1
115°	722.0	723.2	723.0	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5
117.5°	818.4	819.9	818.8	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3
120°	879.5	880.0	879.2	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4
122.5°	938.6	939.2	938.7	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5
125°	1025.4	1026.5	1026.5	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4
127.5°	1103.6	1104.3	1104.5	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5
130°	1155.3	1156.2	1155.8	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3
132.5°	1202.6	1202.8	1203.4	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1
135°	1273.5	1274.1	1274.6	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9
137.5°	1338.5	1338.3	1338.9	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9
140°	1378.4	1377.8	1378.0	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5
142.5°	1418.3	1418.2	1417.8	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8
145°	1473.9	1473.7	1473.7	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1
147.5°	1521.7	1521.4	1521.0	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4
150°	1552.0	1551.4	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4
152.5°	1579.0	1578.4	1577.9	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5
155°	1615.8	1615.0	1614.4	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1
157.5°	1646.5	1645.5	1645.5	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9
160°	1665.3	1664.2	1663.9	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7
162.5°	1682.4	1680.8	1680.5	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3
165°	1704.8	1703.1	1702.8	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6
167.5°	1721.5	1719.4	1719.2	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1
170°	1730.0	1727.7	1727.4	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5
172.5°	1737.1	1735.0	1734.5	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7
175°	1744.3	1742.0	1741.7	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4
177.5°	1748.0	1746.4	1746.1	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	774.8	778.4	780.8	785.2	788.9	791.0	792.8	794.4	796.3	797.8	802.3
5°	779.7	788.2	795.5	806.6	816.7	824.6	833.0	840.6	846.8	855.7	862.5
7.5°	777.6	792.7	808.6	825.7	843.3	859.7	874.7	888.8	901.6	917.0	930.5
10°	775.5	796.1	816.4	839.6	863.5	883.7	902.8	922.0	936.1	955.7	972.4
12.5°	774.0	798.2	822.7	850.6	876.8	905.4	930.7	944.8	966.2	981.9	1001.7
15°	767.3	799.4	833.0	864.4	901.7	928.2	950.5	977.9	997.9	1017.9	1039.4
17.5°	755.4	791.8	829.5	870.6	906.4	934.9	963.5	990.0	1013.8	1040.5	1067.5
20°	750.0	786.3	829.5	871.7	906.6	936.4	965.9	995.0	1021.1	1055.5	1086.5
22.5°	738.5	782.4	822.2	863.2	899.3	931.7	965.1	998.1	1032.9	1071.7	1110.6
25°	717.9	762.4	804.6	845.2	881.5	922.0	957.7	1001.9	1046.3	1097.7	1146.1
27.5°	696.6	739.2	777.8	817.0	859.4	905.3	951.5	1001.6	1059.9	1124.6	1193.0
30°	679.3	719.5	757.2	797.4	841.5	893.2	943.9	1003.5	1070.8	1143.8	1224.9
32.5°	659.2	696.3	732.9	775.4	823.5	878.0	937.1	1002.4	1083.4	1166.3	1249.7
35°	624.7	655.8	693.4	738.8	793.2	855.7	924.0	1001.2	1094.1	1189.2	1259.6
37.5°	583.8	612.8	652.4	702.2	759.1	826.2	907.3	998.8	1097.5	1173.4	1196.1
40°	556.4	583.2	624.4	676.1	734.3	805.3	894.2	991.0	1086.5	1135.0	1116.3
42.5°	527.0	555.2	595.4	646.5	709.1	786.4	877.7	974.6	1054.6	1072.9	1008.5
45°	480.8	509.9	549.5	601.2	668.6	752.3	847.5	935.4	981.5	948.5	848.8
47.5°	437.8	465.1	501.8	555.1	624.7	711.3	802.9	873.1	876.8	797.9	691.4
50°	408.5	433.7	470.6	524.0	593.0	680.6	763.4	818.6	793.8	704.6	602.2
52.5°	379.7	404.4	440.8	493.6	561.9	642.1	719.2	757.9	711.1	619.5	532.0
55°	338.2	359.8	395.5	444.2	508.9	583.5	648.9	662.3	601.5	511.2	440.2
57.5°	297.6	317.8	350.3	395.1	454.3	520.4	571.5	568.7	504.4	426.9	370.6
60°	270.2	289.8	318.6	362.4	416.4	473.3	517.1	506.6	442.9	376.2	328.7
62.5°	245.6	263.1	290.3	328.6	377.9	430.6	466.6	451.2	388.7	330.4	292.8
65°	209.3	224.0	247.3	280.0	320.9	364.4	392.2	372.2	318.9	273.5	243.3
67.5°	174.7	186.5	206.0	232.1	267.0	301.9	318.8	298.8	256.1	222.9	200.6
70°	152.7	163.2	178.2	201.5	231.9	261.3	274.1	256.1	219.5	191.0	175.0
72.5°	130.8	139.4	152.7	173.5	197.9	223.4	234.5	217.4	187.3	163.2	148.3
75°	101.1	106.9	116.1	130.5	149.8	170.0	176.3	161.3	142.0	124.0	114.2
77.5°	72.3	77.3	84.3	93.3	107.0	119.9	125.4	116.7	101.7	90.3	82.3
80°	55.6	58.2	64.1	71.6	82.4	90.6	94.2	88.6	78.2	69.7	63.5
82.5°	39.6	42.3	45.8	52.0	58.9	64.4	68.3	64.6	57.0	50.3	46.7
85°	19.3	20.9	22.9	25.5	30.7	34.0	33.7	31.4	28.4	25.8	23.8
87.5°	7.5	8.3	9.5	11.3	12.5	13.9	14.9	14.7	14.1	13.6	13.1
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	18.3	16.7	15.2	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6
95°	73.0	72.2	71.3	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6
97.5°	155.8	157.3	158.9	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5
100°	217.3	218.2	219.0	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7
102.5°	280.8	281.9	283.0	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5
105°	382.2	383.4	384.5	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	486.3	486.3	486.3	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0
110°	554.7	554.7	554.7	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6





TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	619.7	620.4	621.1	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5
115°	716.9	718.3	719.8	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9
117.5°	815.2	815.1	815.1	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9
120°	877.2	876.9	876.6	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9
122.5°	933.5	934.6	935.7	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0
125°	1019.4	1021.5	1023.5	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2
127.5°	1100.0	1101.5	1102.9	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0
130°	1149.8	1151.2	1152.7	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4
132.5°	1199.8	1201.4	1203.2	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5
135°	1270.6	1272.4	1274.1	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9
137.5°	1335.4	1337.0	1338.4	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6
140°	1377.1	1377.6	1378.2	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9
142.5°	1415.1	1415.5	1415.8	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4
145°	1471.6	1472.2	1472.8	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3
147.5°	1520.2	1520.1	1520.0	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1
150°	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6
152.5°	1580.3	1579.0	1577.7	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6
155°	1618.4	1616.7	1615.0	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7
157.5°	1648.9	1647.9	1646.8	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4
160°	1669.0	1667.2	1665.5	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5
162.5°	1685.6	1683.9	1682.0	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0
165°	1707.9	1706.1	1704.3	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5
167.5°	1724.4	1722.6	1720.8	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5
170°	1733.5	1731.5	1729.4	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3
172.5°	1739.7	1737.7	1735.7	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1
175°	1746.7	1745.0	1743.3	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5
177.5°	1750.2	1748.8	1747.4	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	805.9	808.0	812.4	810.9	813.0	814.0	815.1
5°	871.0	881.5	886.1	885.4	892.3	890.6	889.0
7.5°	944.5	955.5	961.7	969.3	973.8	974.0	977.9
10°	986.1	1000.5	1006.4	1014.6	1019.9	1022.8	1022.4
12.5°	1018.0	1029.3	1042.5	1046.5	1053.6	1057.3	1055.9
15°	1056.4	1074.4	1088.1	1095.0	1103.9	1106.5	1110.1
17.5°	1090.7	1114.8	1130.9	1152.2	1160.3	1165.2	1162.3
20°	1116.6	1148.3	1164.4	1189.9	1203.9	1211.5	1208.8
22.5°	1147.3	1181.6	1211.3	1233.3	1254.7	1264.9	1267.0
25°	1199.7	1246.8	1290.3	1319.4	1345.9	1352.1	1365.9
27.5°	1258.4	1313.9	1360.4	1390.9	1409.5	1416.3	1420.6
30°	1295.2	1350.5	1385.5	1405.1	1411.0	1410.3	1409.7
32.5°	1313.3	1347.9	1354.6	1349.1	1335.7	1324.2	1312.3
35°	1287.7	1261.9	1223.2	1173.5	1137.0	1099.9	1096.3
37.5°	1158.1	1075.5	1011.2	939.5	898.1	872.5	854.8
40°	1036.1	942.3	864.4	803.9	761.7	745.1	728.8
42.5°	903.8	814.1	745.1	694.6	662.9	644.4	631.4
45°	734.3	655.1	601.2	564.6	539.3	525.0	516.8
47.5°	601.7	543.1	497.3	470.9	453.5	442.3	442.3
50°	530.5	474.6	444.2	423.3	408.2	399.3	401.0
52.5°	467.4	425.7	399.7	382.1	371.0	365.6	365.4
55°	390.9	360.8	343.8	331.0	323.5	317.3	318.6
57.5°	334.3	308.9	297.6	287.0	281.7	279.2	275.7
60°	299.3	279.7	269.8	261.3	256.1	254.2	250.6
62.5°	268.1	252.7	243.1	236.2	231.5	230.8	228.0
65°	225.3	213.6	205.1	201.8	196.9	195.6	195.6
67.5°	185.8	177.4	170.7	167.7	165.6	165.9	164.3
70°	160.9	154.0	149.8	146.5	144.9	145.3	143.9
72.5°	140.8	133.1	129.4	127.4	125.3	126.1	125.6
75°	106.6	102.7	100.7	98.8	97.5	96.8	96.2
77.5°	78.3	74.8	73.4	72.2	72.4	70.9	72.1
80°	60.5	57.6	56.6	54.9	54.6	54.6	54.3
82.5°	44.3	42.6	41.9	40.6	40.0	40.5	39.6
85°	22.9	21.6	21.3	21.3	20.6	20.0	21.6
87.5°	13.3	12.7	12.8	12.7	12.9	12.8	12.5
90°	25.1	26.5	27.6	28.5	29.4	30.2	31.1
92.5°	25.1	26.5	27.4	27.8	28.2	28.7	29.0
95°	25.1	26.5	27.2	27.2	27.2	27.2	27.2
97.5°	39.4	31.3	27.2	27.2	27.2	27.2	27.2
100°	96.8	53.9	31.9	30.7	29.5	28.4	27.2
102.5°	263.4	255.3	241.4	221.8	202.2	182.6	163.1
105°	386.2	386.2	386.1	385.8	385.6	385.2	385.0
107.5°	489.0	489.1	488.7	487.8	487.0	486.1	485.3
110°	554.7	553.9	553.6	553.9	554.1	554.5	554.7



TEST NUMBER: P333394-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	620.4	619.3	618.5	618.2	617.8	617.3	616.9
115°	719.8	718.6	717.2	715.5	713.7	712.0	710.2
117.5°	815.5	813.9	812.8	812.1	811.3	810.5	809.8
120°	878.3	877.8	876.8	875.3	873.8	872.5	871.0
122.5°	937.5	936.9	935.7	934.1	932.4	930.7	929.0
125°	1023.0	1021.9	1020.9	1020.0	1019.2	1018.3	1017.4
127.5°	1102.4	1101.7	1100.4	1098.2	1096.1	1094.0	1091.8
130°	1153.6	1152.7	1151.5	1150.1	1148.7	1147.2	1145.7
132.5°	1202.3	1202.1	1201.3	1199.9	1198.4	1197.0	1195.5
135°	1272.4	1271.8	1270.6	1268.9	1267.1	1265.4	1263.7
137.5°	1338.7	1338.9	1338.2	1336.6	1335.2	1333.6	1332.1
140°	1379.5	1380.1	1379.5	1377.8	1376.1	1374.3	1372.6
142.5°	1418.6	1418.7	1417.9	1416.1	1414.4	1412.6	1410.9
145°	1474.5	1474.8	1474.1	1472.4	1470.7	1469.0	1467.2
147.5°	1522.4	1522.8	1521.9	1519.8	1517.8	1515.7	1513.6
150°	1553.2	1553.8	1552.9	1550.6	1548.3	1546.0	1543.7
152.5°	1580.1	1580.7	1579.9	1577.9	1575.8	1573.7	1571.7
155°	1617.6	1618.4	1617.6	1615.4	1613.1	1610.8	1608.4
157.5°	1648.3	1649.2	1648.6	1646.2	1643.9	1641.6	1639.3
160°	1667.7	1668.8	1668.3	1665.9	1663.6	1661.3	1659.1
162.5°	1685.7	1687.2	1686.8	1684.3	1681.7	1679.2	1676.6
165°	1708.3	1710.0	1709.7	1707.4	1705.1	1702.8	1700.5
167.5°	1725.6	1727.7	1727.4	1724.8	1722.3	1719.7	1717.1
170°	1734.7	1736.9	1736.8	1734.2	1731.6	1729.0	1726.4
172.5°	1741.2	1743.3	1743.0	1740.4	1737.8	1735.3	1732.7
175°	1748.9	1751.2	1751.0	1748.4	1745.8	1743.3	1740.7
177.5°	1751.2	1752.8	1752.7	1750.8	1749.0	1747.1	1745.3
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4

(END OF REPORT)