

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: P333071-935

Luminaire Tested: **S124RDIW-S795D1560U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333071-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S795D1560U935-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8247.9 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

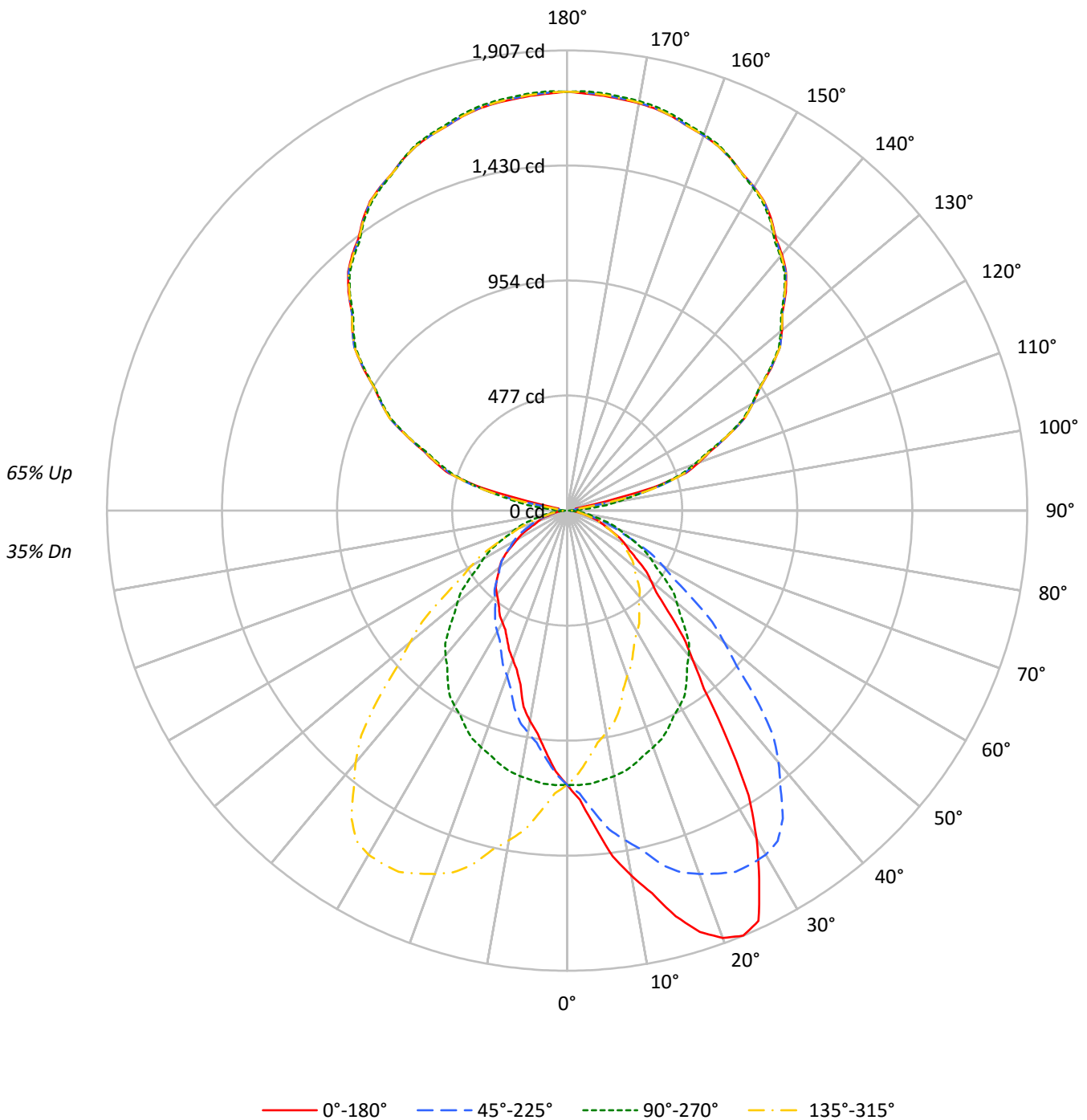
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	38	37	36
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	34	32	31
3	79	70	63	58	71	64	58	53	52	47	44	40	38	35	30	28	27
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23
5	66	55	48	42	60	50	44	39	41	36	32	33	29	26	24	22	20
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	20	18
7	57	45	37	32	51	41	34	29	34	29	25	27	23	20	20	18	16
8	52	41	33	28	47	37	31	26	31	26	22	24	21	18	19	16	14
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9175	9175	9175	9175
5°	10643	9203	8135	9203
10°	12591	9163	7260	9163
15°	14543	9078	6238	9078
20°	16192	8961	5642	8961
25°	16715	8847	5238	8847
30°	14632	8708	4994	8708
35°	11391	8502	4847	8502
40°	8541	8266	4769	8266
45°	6744	7889	4727	7889
50°	5693	7454	4589	7454
55°	4963	6973	4345	6973
60°	4466	6476	3846	6476
65°	3935	5939	3307	5939
70°	3545	5384	2984	5384
75°	2969	4769	2542	4769
80°	2515	4068	2385	4068
85°	2121	3186	2121	3186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	1.3
10°-20°	332.2	4.0
20°-30°	519.5	6.3
30°-40°	577.6	7.0
40°-50°	512.4	6.2
50°-60°	399.3	4.8
60°-70°	261.4	3.2
70°-80°	128.6	1.6
80°-90°	36.7	0.4
90°-100°	59.4	0.7
100°-110°	378.6	4.6
110°-120°	724.2	8.8
120°-130°	919.3	11.1
130°-140°	983.6	11.9
140°-150°	919.8	11.2
150°-160°	741.8	9.0
160°-170°	478.4	5.8
170°-180°	164.9	2.0
0°-30°	961.8	11.7
0°-40°	1539.4	18.7
0°-60°	2451.2	29.7
0°-90°	2877.9	34.9
90°-120°	1162.1	14.1
90°-150°	3984.9	48.3
90°-180°	5370.0	65.1
0°-180°	8247.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1313	1136	1004	1136	1313	133
15°	1740	1086	746	1086	1740	495
25°	1876	993	588	993	1876	832
35°	1156	863	492	863	1156	724
45°	591	691	414	691	591	468
55°	353	495	309	495	353	321
65°	206	311	173	311	206	207
75°	95	153	82	153	95	105
85°	23	34	23	34	23	27
90°	39	4	39	4	39	18
95°	38	71	38	71	38	30
105°	370	391	370	391	370	323
115°	735	730	735	730	735	727
125°	1034	1026	1034	1026	1034	920
135°	1282	1272	1282	1272	1282	986
145°	1475	1467	1475	1467	1475	922
155°	1608	1609	1608	1609	1608	741
165°	1689	1697	1689	1697	1689	477
175°	1726	1736	1726	1736	1726	164
180°	1736	1736	1736	1736	1736	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1198.8	1202.1	1198.8	1198.4	1194.8	1193.7	1192.2	1187.5	1178.6	1173.5	1174.7
5°	1313.3	1324.7	1318.4	1317.4	1307.3	1297.3	1290.8	1276.2	1260.6	1250.1	1241.4
7.5°	1445.7	1452.3	1448.3	1441.8	1425.6	1416.3	1401.4	1382.2	1354.3	1332.9	1313.4
10°	1535.9	1541.4	1539.5	1527.6	1515.7	1491.4	1477.6	1450.7	1415.4	1387.5	1361.4
12.5°	1624.4	1630.4	1614.2	1614.8	1592.2	1573.1	1551.3	1517.3	1476.6	1440.6	1407.9
15°	1740.1	1732.8	1732.8	1723.5	1698.4	1671.8	1649.4	1613.7	1562.4	1519.3	1474.0
17.5°	1830.6	1833.1	1829.4	1807.8	1788.0	1760.5	1719.3	1677.7	1630.0	1572.3	1526.0
20°	1884.7	1884.7	1880.7	1866.0	1840.4	1811.0	1766.6	1721.3	1660.9	1602.7	1550.5
22.5°	1906.8	1908.2	1903.3	1891.3	1868.2	1839.6	1801.8	1755.8	1693.4	1628.0	1563.3
25°	1876.5	1885.2	1886.1	1882.9	1876.0	1858.6	1826.2	1779.0	1723.1	1652.2	1582.5
27.5°	1722.9	1733.8	1743.4	1759.3	1780.4	1791.3	1792.8	1768.8	1720.1	1651.7	1581.7
30°	1569.7	1578.9	1608.6	1647.5	1677.8	1705.3	1729.1	1735.5	1708.1	1646.7	1573.0
32.5°	1399.7	1412.2	1442.0	1483.8	1534.2	1580.7	1634.2	1661.5	1660.8	1623.9	1555.7
35°	1155.8	1164.9	1192.4	1236.4	1296.8	1366.0	1450.7	1516.6	1561.5	1558.2	1516.6
37.5°	932.1	942.5	970.3	1006.7	1065.3	1150.9	1232.9	1323.7	1406.7	1453.3	1439.4
40°	810.5	811.0	838.0	875.6	930.5	1005.1	1094.4	1195.2	1287.6	1363.2	1377.9
42.5°	714.5	714.6	732.5	772.9	812.5	882.8	968.0	1068.1	1176.3	1263.6	1302.4
45°	590.7	594.9	609.5	633.8	664.9	724.4	792.6	885.6	1006.9	1110.4	1175.0
47.5°	500.2	506.3	515.6	535.4	560.2	599.9	656.3	739.8	838.5	952.4	1044.2
50°	453.3	454.3	466.1	477.2	498.7	530.3	579.7	649.3	739.9	849.5	951.6
52.5°	413.0	412.8	420.0	433.9	451.4	476.0	516.0	579.4	659.8	757.9	863.2
55°	352.6	354.9	360.4	371.3	384.6	402.1	433.6	481.3	544.5	628.3	723.9
57.5°	306.6	307.8	312.1	316.8	329.0	341.6	365.3	398.4	451.7	520.3	609.5
60°	276.6	277.1	278.4	285.2	294.9	306.8	322.8	350.8	395.6	458.4	528.9
62.5°	247.3	248.1	250.2	255.2	262.7	270.9	287.7	310.1	347.2	400.9	464.4
65°	206.0	206.6	209.7	211.5	217.5	224.8	237.2	252.3	277.9	322.8	370.9
67.5°	172.2	172.2	172.4	174.9	178.9	183.8	191.2	203.3	222.7	250.2	292.6
70°	150.2	150.2	151.1	152.5	154.8	158.9	163.0	172.2	186.4	208.8	241.3
72.5°	129.7	130.0	131.0	131.2	132.4	135.8	138.9	144.7	155.2	172.2	198.5
75°	95.2	96.6	98.9	100.7	103.1	102.5	105.8	109.4	112.6	122.7	137.8
77.5°	70.9	70.2	70.4	72.0	72.2	72.8	75.0	77.8	80.2	85.0	90.4
80°	54.1	54.1	55.4	55.9	55.4	55.9	58.1	59.5	60.4	62.3	67.3
82.5°	40.8	41.6	41.2	41.6	41.8	42.3	44.3	44.5	45.5	46.1	48.3
85°	22.9	23.3	23.8	22.9	22.9	22.9	23.8	24.3	25.2	24.7	25.7
87.5°	15.8	15.3	15.6	15.5	15.8	15.2	15.2	15.6	14.5	14.5	14.0
90°	38.9	38.4	37.8	37.2	36.7	35.5	33.8	32.0	30.3	28.6	26.3
92.5°	35.8	35.7	35.6	35.5	35.4	34.4	32.7	31.0	29.3	27.6	25.2
95°	37.6	37.4	37.1	36.8	36.5	35.5	33.8	32.0	30.3	28.6	28.2
97.5°	36.3	36.1	35.8	35.5	35.2	35.0	34.8	34.6	34.4	34.3	66.5
100°	36.3	36.1	35.8	35.5	35.2	37.5	42.4	47.4	52.3	57.2	96.9
102.5°	37.4	37.4	37.3	37.2	37.2	63.6	116.5	169.4	222.3	275.3	280.4
105°	370.1	380.5	390.8	401.2	411.6	415.5	412.9	410.3	407.7	405.1	403.6
107.5°	515.7	514.6	513.5	512.5	511.3	510.1	508.9	507.6	506.4	505.1	503.1
110°	579.1	578.2	577.4	576.5	575.7	574.9	574.4	573.8	573.2	572.6	570.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	642.5	641.4	640.2	639.2	638.1	637.6	637.7	637.8	637.9	638.1	637.2
115°	734.9	734.9	734.9	734.9	734.9	734.6	734.0	733.5	732.9	732.3	732.6
117.5°	828.9	829.1	829.1	829.2	829.4	829.5	829.6	829.7	829.8	829.9	829.3
120°	888.1	888.7	889.2	889.8	890.4	890.4	889.8	889.2	888.7	888.1	888.4
122.5°	946.3	946.8	947.4	948.0	948.6	948.7	948.4	948.0	947.7	947.4	946.9
125°	1033.5	1033.3	1032.9	1032.7	1032.4	1031.8	1031.0	1030.1	1029.2	1028.4	1028.9
127.5°	1110.2	1110.3	1110.6	1110.9	1111.0	1111.3	1111.5	1111.6	1111.8	1112.0	1110.6
130°	1162.1	1162.1	1162.1	1162.1	1162.1	1161.9	1161.7	1161.4	1161.1	1160.8	1159.9
132.5°	1209.9	1210.1	1210.3	1210.6	1210.8	1210.7	1210.5	1210.2	1209.9	1209.6	1208.5
135°	1281.5	1281.0	1280.4	1279.8	1279.3	1278.7	1278.1	1277.5	1276.9	1276.3	1275.2
137.5°	1342.8	1343.0	1343.2	1343.3	1343.5	1343.3	1342.6	1342.0	1341.4	1340.7	1339.5
140°	1385.4	1385.1	1384.8	1384.6	1384.2	1383.7	1382.9	1382.0	1381.1	1380.2	1379.7
142.5°	1420.7	1420.6	1420.6	1420.6	1420.5	1420.1	1419.5	1418.9	1418.2	1417.6	1417.3
145°	1475.0	1474.5	1473.9	1473.3	1472.7	1472.2	1472.0	1471.7	1471.4	1471.1	1471.1
147.5°	1519.9	1519.7	1519.3	1519.1	1518.8	1518.5	1518.3	1518.0	1517.9	1517.6	1517.9
150°	1549.0	1548.8	1548.4	1548.2	1547.9	1547.7	1547.7	1547.7	1547.7	1547.7	1548.0
152.5°	1573.9	1574.1	1574.3	1574.4	1574.6	1574.5	1574.0	1573.6	1573.1	1572.6	1573.1
155°	1607.5	1608.3	1609.2	1610.1	1610.9	1610.8	1609.6	1608.4	1607.3	1606.1	1607.1
157.5°	1635.5	1637.0	1638.5	1640.0	1641.5	1641.5	1640.0	1638.5	1637.0	1635.5	1636.5
160°	1654.2	1656.0	1657.7	1659.4	1661.1	1661.1	1659.4	1657.7	1656.0	1654.2	1654.5
162.5°	1668.7	1670.7	1672.7	1674.6	1676.5	1676.7	1675.0	1673.3	1671.5	1669.7	1670.1
165°	1689.3	1691.9	1694.4	1697.0	1699.6	1699.8	1697.5	1695.1	1692.8	1690.6	1690.6
167.5°	1704.6	1707.4	1710.4	1713.2	1716.1	1716.3	1713.7	1711.2	1708.7	1706.2	1706.3
170°	1713.9	1716.8	1719.7	1722.6	1725.4	1725.8	1723.5	1721.1	1718.8	1716.5	1716.2
172.5°	1719.1	1722.3	1725.4	1728.5	1731.6	1732.0	1729.7	1727.3	1725.0	1722.8	1722.4
175°	1725.6	1729.1	1732.5	1735.9	1739.5	1739.9	1737.3	1734.7	1732.1	1729.5	1729.2
177.5°	1729.7	1732.5	1735.3	1738.1	1740.9	1741.3	1739.5	1737.6	1735.8	1733.9	1733.5
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1171.0	1165.9	1163.3	1157.4	1150.5	1146.8	1143.5	1138.8	1132.5	1125.9	1121.1
5°	1230.4	1219.4	1205.7	1189.2	1174.6	1160.4	1148.0	1135.7	1121.5	1106.7	1092.1
7.5°	1291.4	1269.8	1246.5	1219.4	1193.2	1169.2	1147.3	1126.2	1102.3	1081.1	1061.6
10°	1333.9	1304.6	1272.0	1237.8	1203.4	1173.6	1144.4	1117.8	1088.5	1062.4	1040.3
12.5°	1368.3	1333.9	1294.8	1252.0	1210.7	1174.7	1141.0	1106.4	1073.1	1044.7	1015.5
15°	1425.5	1378.3	1325.7	1274.4	1220.8	1171.8	1126.4	1086.2	1048.2	1008.3	980.4
17.5°	1464.7	1408.8	1344.8	1283.1	1219.9	1162.1	1109.8	1061.8	1018.0	977.2	944.0
20°	1488.2	1426.4	1355.4	1285.4	1214.4	1152.5	1096.2	1043.1	997.8	953.8	919.5
22.5°	1501.4	1433.0	1355.4	1282.0	1208.5	1141.6	1079.8	1024.4	975.1	931.1	893.1
25°	1505.6	1432.4	1353.1	1268.9	1188.3	1117.3	1053.2	993.2	938.2	894.3	854.0
27.5°	1499.8	1413.5	1332.3	1245.9	1162.7	1087.9	1020.6	957.6	902.6	855.4	814.1
30°	1491.0	1398.4	1311.5	1221.7	1137.5	1065.6	994.5	934.1	876.9	827.9	786.3
32.5°	1471.9	1380.2	1286.5	1194.6	1109.2	1035.2	967.9	907.1	850.9	800.8	756.6
35°	1434.2	1341.3	1239.6	1145.2	1061.4	984.5	921.4	862.7	809.2	755.5	708.9
37.5°	1384.5	1289.5	1188.4	1085.0	1001.2	928.6	870.6	815.5	763.3	714.4	662.6
40°	1337.6	1251.0	1146.6	1044.0	957.9	887.9	834.3	784.4	731.8	683.2	631.5
42.5°	1280.7	1207.0	1101.6	998.6	913.6	846.1	796.3	747.4	699.5	652.5	598.5
45°	1186.0	1130.1	1031.2	932.3	846.7	779.8	734.0	691.0	648.8	604.0	553.2
47.5°	1077.4	1039.6	954.2	852.9	773.7	713.5	669.3	634.1	598.5	553.6	509.0
50°	1001.9	977.7	895.2	802.7	727.2	671.8	626.5	593.5	563.7	520.6	480.8
52.5°	921.4	908.4	838.8	750.4	677.3	623.0	584.3	554.7	524.5	488.8	451.5
55°	798.6	805.5	746.4	669.9	601.2	555.4	520.2	495.4	469.8	439.6	410.8
57.5°	673.1	698.2	658.6	591.4	527.0	484.7	458.2	437.4	415.9	390.8	366.2
60°	598.1	619.1	596.7	537.6	481.3	441.9	417.2	401.1	379.6	356.7	337.9
62.5°	524.8	547.3	534.0	486.3	434.0	400.1	378.3	363.4	347.4	327.4	307.9
65°	432.7	447.4	441.0	408.0	370.9	342.1	321.9	310.9	296.3	281.6	264.2
67.5°	331.4	359.7	356.0	338.5	306.4	283.9	270.7	261.0	247.6	236.8	224.9
70°	272.4	298.6	298.1	283.9	266.5	245.5	236.3	228.1	216.1	205.6	196.0
72.5°	223.0	246.9	250.5	239.6	227.6	211.7	202.9	197.3	185.7	178.5	170.7
75°	156.2	173.6	178.1	178.1	172.6	164.4	156.6	152.9	144.7	138.3	133.7
77.5°	102.4	113.4	120.5	122.2	123.0	120.3	113.8	111.2	105.0	102.6	98.2
80°	72.3	79.6	87.9	90.7	93.0	92.0	89.3	87.5	81.5	79.2	77.4
82.5°	50.0	54.1	60.8	66.8	66.2	68.6	66.2	64.7	60.3	59.4	57.6
85°	26.1	26.5	27.5	31.6	33.9	34.8	35.3	34.4	33.0	33.0	29.8
87.5°	13.6	12.7	13.0	12.5	12.2	13.0	13.5	13.3	12.7	12.3	11.9
90°	23.9	21.6	19.4	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	22.9	20.6	18.3	17.0	16.9	16.7	16.5	16.4	16.5	16.7	16.9
95°	28.0	27.7	27.4	32.2	42.0	51.8	61.6	71.4	61.6	51.8	42.0
97.5°	98.7	130.9	163.1	176.2	170.0	163.8	157.7	151.6	157.7	163.8	170.0
100°	136.7	176.6	216.4	233.7	228.5	223.3	218.2	212.9	218.2	223.3	228.5
102.5°	285.7	290.8	296.0	296.7	292.9	289.1	285.3	281.5	285.3	289.1	292.9
105°	402.3	400.8	399.3	397.8	396.1	394.3	392.5	390.8	392.5	394.3	396.1
107.5°	501.2	499.2	497.2	495.8	495.0	494.1	493.3	492.3	493.3	494.1	495.0
110°	569.1	567.4	565.7	564.4	563.5	562.7	561.8	560.9	561.8	562.7	563.5



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	636.5	635.6	634.8	633.6	632.1	630.5	629.0	627.4	629.0	630.5	632.1
115°	732.9	733.1	733.5	733.1	732.3	731.4	730.6	729.7	730.6	731.4	732.3
117.5°	828.7	828.0	827.4	826.6	825.4	824.2	823.0	821.9	823.0	824.2	825.4
120°	888.7	889.0	889.2	888.8	887.7	886.6	885.4	884.2	885.4	886.6	887.7
122.5°	946.5	946.2	945.7	945.2	944.4	943.7	943.1	942.4	943.1	943.7	944.4
125°	1029.5	1030.1	1030.6	1030.4	1029.2	1028.0	1026.9	1025.8	1026.9	1028.0	1029.2
127.5°	1109.3	1108.0	1106.6	1105.9	1105.5	1105.3	1105.0	1104.7	1105.0	1105.3	1105.5
130°	1159.1	1158.2	1157.4	1156.8	1156.5	1156.2	1155.9	1155.6	1155.9	1156.2	1156.5
132.5°	1207.4	1206.3	1205.2	1204.5	1203.9	1203.4	1202.8	1202.3	1202.8	1203.4	1203.9
135°	1274.0	1272.9	1271.7	1271.3	1271.6	1271.9	1272.1	1272.5	1272.1	1271.9	1271.6
137.5°	1338.3	1337.0	1335.7	1335.0	1334.9	1334.7	1334.6	1334.6	1334.6	1334.7	1334.9
140°	1379.1	1378.5	1377.9	1377.3	1376.7	1376.2	1375.6	1375.0	1375.6	1376.2	1376.7
142.5°	1416.9	1416.6	1416.3	1415.6	1414.5	1413.5	1412.4	1411.4	1412.4	1413.5	1414.5
145°	1471.1	1471.1	1471.1	1470.7	1469.8	1469.0	1468.1	1467.2	1468.1	1469.0	1469.8
147.5°	1518.2	1518.5	1518.7	1518.1	1516.5	1514.8	1513.2	1511.7	1513.2	1514.8	1516.5
150°	1548.3	1548.6	1548.9	1548.4	1547.3	1546.1	1545.0	1543.9	1545.0	1546.1	1547.3
152.5°	1573.6	1574.2	1574.8	1574.5	1573.6	1572.7	1571.8	1570.8	1571.8	1572.7	1573.6
155°	1607.9	1608.8	1609.6	1609.9	1609.6	1609.3	1609.0	1608.8	1609.0	1609.3	1609.6
157.5°	1637.4	1638.4	1639.4	1640.0	1640.2	1640.4	1640.5	1640.7	1640.5	1640.4	1640.2
160°	1654.8	1655.0	1655.4	1656.0	1656.8	1657.7	1658.5	1659.4	1658.5	1657.7	1656.8
162.5°	1670.3	1670.6	1670.9	1671.6	1672.8	1673.8	1674.9	1676.0	1674.9	1673.8	1672.8
165°	1690.6	1690.6	1690.6	1691.3	1692.7	1694.2	1695.6	1697.0	1695.6	1694.2	1692.7
167.5°	1706.5	1706.7	1706.8	1707.6	1709.2	1710.6	1712.2	1713.6	1712.2	1710.6	1709.2
170°	1716.0	1715.6	1715.4	1716.1	1717.8	1719.5	1721.3	1723.0	1721.3	1719.5	1717.8
172.5°	1722.2	1721.9	1721.6	1722.3	1724.1	1725.8	1727.5	1729.2	1727.5	1725.8	1724.1
175°	1728.9	1728.6	1728.4	1729.1	1730.8	1732.5	1734.2	1735.9	1734.2	1732.5	1730.8
177.5°	1733.0	1732.5	1732.1	1732.7	1734.2	1735.9	1737.5	1739.1	1737.5	1735.9	1734.2
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1116.0	1112.3	1107.6	1102.1	1095.5	1089.7	1087.1	1089.3	1090.4	1087.4	1087.1
5°	1082.0	1070.6	1061.4	1047.7	1036.7	1027.5	1021.1	1018.4	1019.3	1012.0	1010.1
7.5°	1043.9	1030.3	1015.3	999.0	983.8	970.3	963.3	959.4	951.7	948.3	942.7
10°	1019.3	1001.0	986.4	967.1	949.7	933.7	925.9	919.5	911.7	908.0	900.3
12.5°	994.0	972.8	956.7	936.7	918.9	899.6	892.2	880.3	868.1	860.4	850.4
15°	958.4	932.8	913.1	889.2	868.2	846.2	826.6	804.5	796.3	778.9	768.9
17.5°	916.7	890.7	866.3	834.4	801.9	774.6	753.6	732.5	720.0	708.9	703.7
20°	889.2	865.5	831.6	794.4	758.3	728.1	711.1	697.4	683.6	675.9	670.4
22.5°	863.2	832.8	793.5	753.5	717.3	693.6	679.2	665.1	654.0	646.6	639.2
25°	819.7	779.8	738.1	692.3	667.6	647.0	631.5	620.0	613.1	603.6	599.9
27.5°	774.9	726.6	680.6	649.9	624.1	605.3	591.7	583.1	574.4	568.3	563.5
30°	740.5	691.5	650.2	621.0	594.9	579.3	568.3	558.2	551.3	546.3	542.6
32.5°	706.4	657.4	622.8	591.2	570.7	555.4	543.7	536.2	530.8	524.3	522.1
35°	657.1	613.6	583.4	555.0	533.9	520.2	511.0	503.3	498.7	496.8	495.4
37.5°	609.8	574.1	541.7	518.3	499.6	488.8	477.9	474.2	471.0	467.7	469.2
40°	579.7	546.3	517.5	492.8	477.6	465.7	459.3	454.7	451.9	451.9	451.9
42.5°	553.7	521.0	492.9	470.7	455.6	445.6	438.4	434.5	433.6	433.3	435.5
45°	513.3	483.1	454.7	436.4	423.5	413.5	409.4	406.1	406.1	408.0	408.5
47.5°	473.3	445.0	422.2	401.7	389.9	383.7	380.0	378.4	378.6	380.5	382.5
50°	448.8	420.9	398.4	380.0	369.1	363.1	359.9	359.0	359.9	359.9	363.1
52.5°	422.0	397.0	375.0	359.6	347.1	341.5	339.8	338.5	339.1	340.5	341.9
55°	382.8	360.4	339.3	324.7	315.5	311.9	307.7	308.2	307.3	308.2	308.2
57.5°	343.5	323.4	303.8	292.1	284.1	278.8	274.3	275.6	274.2	274.1	273.3
60°	318.2	296.3	280.7	270.2	261.0	256.4	252.3	253.2	251.8	250.9	249.1
62.5°	290.8	272.4	257.6	247.5	240.1	234.8	230.7	229.8	226.6	223.4	219.5
65°	250.9	235.8	222.6	212.9	206.0	201.9	198.7	196.0	189.1	181.8	178.1
67.5°	212.2	201.3	188.9	180.8	175.2	169.8	163.7	159.0	152.6	148.5	146.3
70°	187.3	176.8	166.3	158.4	152.5	147.5	140.6	137.4	132.8	131.0	128.6
72.5°	163.5	153.7	143.9	136.8	130.5	126.6	121.1	118.0	116.0	115.2	113.0
75°	127.3	119.5	112.2	105.8	100.7	98.0	95.7	93.4	92.5	88.3	86.1
77.5°	92.9	87.7	83.2	78.6	75.0	73.2	68.8	66.1	64.6	62.7	62.2
80°	72.3	68.7	64.1	61.4	56.3	54.5	52.7	52.2	51.7	51.3	50.8
82.5°	54.4	50.7	46.1	44.5	43.1	42.0	40.9	40.5	40.0	40.3	40.2
85°	27.5	25.7	25.7	25.2	24.7	24.3	23.8	23.8	23.3	23.8	23.3
87.5°	12.5	12.7	13.1	12.8	13.7	14.1	14.1	14.5	15.2	14.8	15.0
90°	16.6	19.4	21.6	23.9	26.3	28.6	30.3	32.0	33.8	35.5	36.7
92.5°	17.0	18.3	20.6	22.9	25.2	27.6	29.3	31.0	32.7	34.4	35.4
95°	32.2	27.4	27.7	28.0	28.2	28.6	30.3	32.0	33.8	35.5	36.5
97.5°	176.2	163.1	130.9	98.7	66.5	34.3	34.4	34.6	34.8	35.0	35.2
100°	233.7	216.4	176.6	136.7	96.9	57.2	52.3	47.4	42.4	37.5	35.2
102.5°	296.7	296.0	290.8	285.7	280.4	275.3	222.3	169.4	116.5	63.6	37.2
105°	397.8	399.3	400.8	402.3	403.6	405.1	407.7	410.3	412.9	415.5	411.6
107.5°	495.8	497.2	499.2	501.2	503.1	505.1	506.4	507.6	508.9	510.1	511.3
110°	564.4	565.7	567.4	569.1	570.8	572.6	573.2	573.8	574.4	574.9	575.7



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	633.6	634.8	635.6	636.5	637.2	638.1	637.9	637.8	637.7	637.6	638.1
115°	733.1	733.5	733.1	732.9	732.6	732.3	732.9	733.5	734.0	734.6	734.9
117.5°	826.6	827.4	828.0	828.7	829.3	829.9	829.8	829.7	829.6	829.5	829.4
120°	888.8	889.2	889.0	888.7	888.4	888.1	888.7	889.2	889.8	890.4	890.4
122.5°	945.2	945.7	946.2	946.5	946.9	947.4	947.7	948.0	948.4	948.7	948.6
125°	1030.4	1030.6	1030.1	1029.5	1028.9	1028.4	1029.2	1030.1	1031.0	1031.8	1032.4
127.5°	1105.9	1106.6	1108.0	1109.3	1110.6	1112.0	1111.8	1111.6	1111.5	1111.3	1111.0
130°	1156.8	1157.4	1158.2	1159.1	1159.9	1160.8	1161.1	1161.4	1161.7	1161.9	1162.1
132.5°	1204.5	1205.2	1206.3	1207.4	1208.5	1209.6	1209.9	1210.2	1210.5	1210.7	1210.8
135°	1271.3	1271.7	1272.9	1274.0	1275.2	1276.3	1276.9	1277.5	1278.1	1278.7	1279.3
137.5°	1335.0	1335.7	1337.0	1338.3	1339.5	1340.7	1341.4	1342.0	1342.6	1343.3	1343.5
140°	1377.3	1377.9	1378.5	1379.1	1379.7	1380.2	1381.1	1382.0	1382.9	1383.7	1384.2
142.5°	1415.6	1416.3	1416.6	1416.9	1417.3	1417.6	1418.2	1418.9	1419.5	1420.1	1420.5
145°	1470.7	1471.1	1471.1	1471.1	1471.1	1471.1	1471.4	1471.7	1472.0	1472.2	1472.7
147.5°	1518.1	1518.7	1518.5	1518.2	1517.9	1517.6	1517.9	1518.0	1518.3	1518.5	1518.8
150°	1548.4	1548.9	1548.6	1548.3	1548.0	1547.7	1547.7	1547.7	1547.7	1547.7	1547.9
152.5°	1574.5	1574.8	1574.2	1573.6	1573.1	1572.6	1573.1	1573.6	1574.0	1574.5	1574.6
155°	1609.9	1609.6	1608.8	1607.9	1607.1	1606.1	1607.3	1608.4	1609.6	1610.8	1610.9
157.5°	1640.0	1639.4	1638.4	1637.4	1636.5	1635.5	1637.0	1638.5	1640.0	1641.5	1641.5
160°	1656.0	1655.4	1655.0	1654.8	1654.5	1654.2	1656.0	1657.7	1659.4	1661.1	1661.1
162.5°	1671.6	1670.9	1670.6	1670.3	1670.1	1669.7	1671.5	1673.3	1675.0	1676.7	1676.5
165°	1691.3	1690.6	1690.6	1690.6	1690.6	1690.6	1692.8	1695.1	1697.5	1699.8	1699.6
167.5°	1707.6	1706.8	1706.7	1706.5	1706.3	1706.2	1708.7	1711.2	1713.7	1716.3	1716.1
170°	1716.1	1715.4	1715.6	1716.0	1716.2	1716.5	1718.8	1721.1	1723.5	1725.8	1725.4
172.5°	1722.3	1721.6	1721.9	1722.2	1722.4	1722.8	1725.0	1727.3	1729.7	1732.0	1731.6
175°	1729.1	1728.4	1728.6	1728.9	1729.2	1729.5	1732.1	1734.7	1737.3	1739.9	1739.5
177.5°	1732.7	1732.1	1732.5	1733.0	1733.5	1733.9	1735.8	1737.6	1739.5	1741.3	1740.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1084.9	1085.6	1083.1	1082.3	1083.1	1085.6	1084.9	1087.1	1087.4	1090.4	1089.3
5°	1006.5	1005.6	1003.3	1003.8	1003.3	1005.6	1006.5	1010.1	1012.0	1019.3	1018.4
7.5°	939.4	935.9	936.9	933.2	936.9	935.9	939.4	942.7	948.3	951.7	959.4
10°	898.5	893.4	889.2	885.6	889.2	893.4	898.5	900.3	908.0	911.7	919.5
12.5°	842.4	838.1	832.5	833.6	832.5	838.1	842.4	850.4	860.4	868.1	880.3
15°	762.8	756.0	745.0	746.4	745.0	756.0	762.8	768.9	778.9	796.3	804.5
17.5°	695.6	695.7	690.6	691.8	690.6	695.7	695.6	703.7	708.9	720.0	732.5
20°	660.7	657.5	658.0	656.7	658.0	657.5	660.7	670.4	675.9	683.6	697.4
22.5°	636.6	632.7	629.5	626.6	629.5	632.7	636.6	639.2	646.6	654.0	665.1
25°	595.7	593.0	588.8	588.0	588.8	593.0	595.7	599.9	603.6	613.1	620.0
27.5°	559.8	559.3	557.7	555.5	557.7	559.3	559.8	563.5	568.3	574.4	583.1
30°	539.0	538.0	537.1	535.7	537.1	538.0	539.0	542.6	546.3	551.3	558.2
32.5°	520.3	519.7	518.8	518.9	518.8	519.7	520.3	522.1	524.3	530.8	536.2
35°	493.6	493.2	492.2	491.8	492.2	493.2	493.6	495.4	496.8	498.7	503.3
37.5°	468.7	469.9	469.3	469.2	469.3	469.9	468.7	469.2	467.7	471.0	474.2
40°	451.5	451.9	452.9	452.5	452.9	451.9	451.5	451.9	451.9	451.9	454.7
42.5°	437.2	437.3	438.6	437.0	438.6	437.3	437.2	435.5	433.3	433.6	434.5
45°	411.6	414.4	414.0	414.0	414.0	414.4	411.6	408.5	408.0	406.1	406.1
47.5°	383.7	386.1	386.8	386.7	386.8	386.1	383.7	382.5	380.5	378.6	378.4
50°	365.4	364.5	365.8	365.4	365.8	364.5	365.4	363.1	359.9	359.9	359.0
52.5°	343.1	343.3	343.2	342.7	343.2	343.3	343.1	341.9	340.5	339.1	338.5
55°	308.7	309.1	308.2	308.7	308.2	309.1	308.7	308.2	308.2	307.3	308.2
57.5°	271.3	269.1	270.0	268.9	270.0	269.1	271.3	273.3	274.1	274.2	275.6
60°	244.5	240.8	240.0	238.2	240.0	240.8	244.5	249.1	250.9	251.8	253.2
62.5°	214.5	211.9	208.8	210.3	208.8	211.9	214.5	219.5	223.4	226.6	229.8
65°	174.4	172.6	171.3	173.1	171.3	172.6	174.4	178.1	181.8	189.1	196.0
67.5°	144.4	143.4	143.4	142.5	143.4	143.4	144.4	146.3	148.5	152.6	159.0
70°	128.6	127.3	127.3	126.4	127.3	127.3	128.6	128.6	131.0	132.8	137.4
72.5°	112.5	111.2	111.6	111.0	111.6	111.2	112.5	113.0	115.2	116.0	118.0
75°	83.3	81.0	81.0	81.5	81.0	81.0	83.3	86.1	88.3	92.5	93.4
77.5°	62.2	61.7	62.3	61.6	62.3	61.7	62.2	62.2	62.7	64.6	66.1
80°	50.8	50.4	49.9	51.3	49.9	50.4	50.8	50.8	51.3	51.7	52.2
82.5°	39.4	39.3	39.3	41.1	39.3	39.3	39.4	40.2	40.3	40.0	40.5
85°	23.8	22.9	23.8	22.9	23.8	22.9	23.8	23.3	23.8	23.3	23.8
87.5°	15.8	15.6	15.3	15.8	15.3	15.6	15.8	15.0	14.8	15.2	14.5
90°	37.2	37.8	38.4	38.9	38.4	37.8	37.2	36.7	35.5	33.8	32.0
92.5°	35.5	35.6	35.7	35.8	35.7	35.6	35.5	35.4	34.4	32.7	31.0
95°	36.8	37.1	37.4	37.6	37.4	37.1	36.8	36.5	35.5	33.8	32.0
97.5°	35.5	35.8	36.1	36.3	36.1	35.8	35.5	35.2	35.0	34.8	34.6
100°	35.5	35.8	36.1	36.3	36.1	35.8	35.5	35.2	37.5	42.4	47.4
102.5°	37.2	37.3	37.4	37.4	37.4	37.3	37.2	37.2	63.6	116.5	169.4
105°	401.2	390.8	380.5	370.1	380.5	390.8	401.2	411.6	415.5	412.9	410.3
107.5°	512.5	513.5	514.6	515.7	514.6	513.5	512.5	511.3	510.1	508.9	507.6
110°	576.5	577.4	578.2	579.1	578.2	577.4	576.5	575.7	574.9	574.4	573.8



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	639.2	640.2	641.4	642.5	641.4	640.2	639.2	638.1	637.6	637.7	637.8
115°	734.9	734.9	734.9	734.9	734.9	734.9	734.9	734.9	734.6	734.0	733.5
117.5°	829.2	829.1	829.1	828.9	829.1	829.1	829.2	829.4	829.5	829.6	829.7
120°	889.8	889.2	888.7	888.1	888.7	889.2	889.8	890.4	890.4	889.8	889.2
122.5°	948.0	947.4	946.8	946.3	946.8	947.4	948.0	948.6	948.7	948.4	948.0
125°	1032.7	1032.9	1033.3	1033.5	1033.3	1032.9	1032.7	1032.4	1031.8	1031.0	1030.1
127.5°	1110.9	1110.6	1110.3	1110.2	1110.3	1110.6	1110.9	1111.0	1111.3	1111.5	1111.6
130°	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1162.1	1161.9	1161.7	1161.4
132.5°	1210.6	1210.3	1210.1	1209.9	1210.1	1210.3	1210.6	1210.8	1210.7	1210.5	1210.2
135°	1279.8	1280.4	1281.0	1281.5	1281.0	1280.4	1279.8	1279.3	1278.7	1278.1	1277.5
137.5°	1343.3	1343.2	1343.0	1342.8	1343.0	1343.2	1343.3	1343.5	1343.3	1342.6	1342.0
140°	1384.6	1384.8	1385.1	1385.4	1385.1	1384.8	1384.6	1384.2	1383.7	1382.9	1382.0
142.5°	1420.6	1420.6	1420.6	1420.7	1420.6	1420.6	1420.6	1420.5	1420.1	1419.5	1418.9
145°	1473.3	1473.9	1474.5	1475.0	1474.5	1473.9	1473.3	1472.7	1472.2	1472.0	1471.7
147.5°	1519.1	1519.3	1519.7	1519.9	1519.7	1519.3	1519.1	1518.8	1518.5	1518.3	1518.0
150°	1548.2	1548.4	1548.8	1549.0	1548.8	1548.4	1548.2	1547.9	1547.7	1547.7	1547.7
152.5°	1574.4	1574.3	1574.1	1573.9	1574.1	1574.3	1574.4	1574.6	1574.5	1574.0	1573.6
155°	1610.1	1609.2	1608.3	1607.5	1608.3	1609.2	1610.1	1610.9	1610.8	1609.6	1608.4
157.5°	1640.0	1638.5	1637.0	1635.5	1637.0	1638.5	1640.0	1641.5	1641.5	1640.0	1638.5
160°	1659.4	1657.7	1656.0	1654.2	1656.0	1657.7	1659.4	1661.1	1661.1	1659.4	1657.7
162.5°	1674.6	1672.7	1670.7	1668.7	1670.7	1672.7	1674.6	1676.5	1676.7	1675.0	1673.3
165°	1697.0	1694.4	1691.9	1689.3	1691.9	1694.4	1697.0	1699.6	1699.8	1697.5	1695.1
167.5°	1713.2	1710.4	1707.4	1704.6	1707.4	1710.4	1713.2	1716.1	1716.3	1713.7	1711.2
170°	1722.6	1719.7	1716.8	1713.9	1716.8	1719.7	1722.6	1725.4	1725.8	1723.5	1721.1
172.5°	1728.5	1725.4	1722.3	1719.1	1722.3	1725.4	1728.5	1731.6	1732.0	1729.7	1727.3
175°	1735.9	1732.5	1729.1	1725.6	1729.1	1732.5	1735.9	1739.5	1739.9	1737.3	1734.7
177.5°	1738.1	1735.3	1732.5	1729.7	1732.5	1735.3	1738.1	1740.9	1741.3	1739.5	1737.6
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1087.1	1089.7	1095.5	1102.1	1107.6	1112.3	1116.0	1121.1	1125.9	1132.5	1138.8
5°	1021.1	1027.5	1036.7	1047.7	1061.4	1070.6	1082.0	1092.1	1106.7	1121.5	1135.7
7.5°	963.3	970.3	983.8	999.0	1015.3	1030.3	1043.9	1061.6	1081.1	1102.3	1126.2
10°	925.9	933.7	949.7	967.1	986.4	1001.0	1019.3	1040.3	1062.4	1088.5	1117.8
12.5°	892.2	899.6	918.9	936.7	956.7	972.8	994.0	1015.5	1044.7	1073.1	1106.4
15°	826.6	846.2	868.2	889.2	913.1	932.8	958.4	980.4	1008.3	1048.2	1086.2
17.5°	753.6	774.6	801.9	834.4	866.3	890.7	916.7	944.0	977.2	1018.0	1061.8
20°	711.1	728.1	758.3	794.4	831.6	865.5	889.2	919.5	953.8	997.8	1043.1
22.5°	679.2	693.6	717.3	753.5	793.5	832.8	863.2	893.1	931.1	975.1	1024.4
25°	631.5	647.0	667.6	692.3	738.1	779.8	819.7	854.0	894.3	938.2	993.2
27.5°	591.7	605.3	624.1	649.9	680.6	726.6	774.9	814.1	855.4	902.6	957.6
30°	568.3	579.3	594.9	621.0	650.2	691.5	740.5	786.3	827.9	876.9	934.1
32.5°	543.7	555.4	570.7	591.2	622.8	657.4	706.4	756.6	800.8	850.9	907.1
35°	511.0	520.2	533.9	555.0	583.4	613.6	657.1	708.9	755.5	809.2	862.7
37.5°	477.9	488.8	499.6	518.3	541.7	574.1	609.8	662.6	714.4	763.3	815.5
40°	459.3	465.7	477.6	492.8	517.5	546.3	579.7	631.5	683.2	731.8	784.4
42.5°	438.4	445.6	455.6	470.7	492.9	521.0	553.7	598.5	652.5	699.5	747.4
45°	409.4	413.5	423.5	436.4	454.7	483.1	513.3	553.2	604.0	648.8	691.0
47.5°	380.0	383.7	389.9	401.7	422.2	445.0	473.3	509.0	553.6	598.5	634.1
50°	359.9	363.1	369.1	380.0	398.4	420.9	448.8	480.8	520.6	563.7	593.5
52.5°	339.8	341.5	347.1	359.6	375.0	397.0	422.0	451.5	488.8	524.5	554.7
55°	307.7	311.9	315.5	324.7	339.3	360.4	382.8	410.8	439.6	469.8	495.4
57.5°	274.3	278.8	284.1	292.1	303.8	323.4	343.5	366.2	390.8	415.9	437.4
60°	252.3	256.4	261.0	270.2	280.7	296.3	318.2	337.9	356.7	379.6	401.1
62.5°	230.7	234.8	240.1	247.5	257.6	272.4	290.8	307.9	327.4	347.4	363.4
65°	198.7	201.9	206.0	212.9	222.6	235.8	250.9	264.2	281.6	296.3	310.9
67.5°	163.7	169.8	175.2	180.8	188.9	201.3	212.2	224.9	236.8	247.6	261.0
70°	140.6	147.5	152.5	158.4	166.3	176.8	187.3	196.0	205.6	216.1	228.1
72.5°	121.1	126.6	130.5	136.8	143.9	153.7	163.5	170.7	178.5	185.7	197.3
75°	95.7	98.0	100.7	105.8	112.2	119.5	127.3	133.7	138.3	144.7	152.9
77.5°	68.8	73.2	75.0	78.6	83.2	87.7	92.9	98.2	102.6	105.0	111.2
80°	52.7	54.5	56.3	61.4	64.1	68.7	72.3	77.4	79.2	81.5	87.5
82.5°	40.9	42.0	43.1	44.5	46.1	50.7	54.4	57.6	59.4	60.3	64.7
85°	23.8	24.3	24.7	25.2	25.7	25.7	27.5	29.8	33.0	33.0	34.4
87.5°	14.1	14.1	13.7	12.8	13.1	12.7	12.5	11.9	12.3	12.7	13.3
90°	30.3	28.6	26.3	23.9	21.6	19.4	16.6	13.4	10.2	7.1	3.9
92.5°	29.3	27.6	25.2	22.9	20.6	18.3	17.0	16.9	16.7	16.5	16.4
95°	30.3	28.6	28.2	28.0	27.7	27.4	32.2	42.0	51.8	61.6	71.4
97.5°	34.4	34.3	66.5	98.7	130.9	163.1	176.2	170.0	163.8	157.7	151.6
100°	52.3	57.2	96.9	136.7	176.6	216.4	233.7	228.5	223.3	218.2	212.9
102.5°	222.3	275.3	280.4	285.7	290.8	296.0	296.7	292.9	289.1	285.3	281.5
105°	407.7	405.1	403.6	402.3	400.8	399.3	397.8	396.1	394.3	392.5	390.8
107.5°	506.4	505.1	503.1	501.2	499.2	497.2	495.8	495.0	494.1	493.3	492.3
110°	573.2	572.6	570.8	569.1	567.4	565.7	564.4	563.5	562.7	561.8	560.9



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	637.9	638.1	637.2	636.5	635.6	634.8	633.6	632.1	630.5	629.0	627.4
115°	732.9	732.3	732.6	732.9	733.1	733.5	733.1	732.3	731.4	730.6	729.7
117.5°	829.8	829.9	829.3	828.7	828.0	827.4	826.6	825.4	824.2	823.0	821.9
120°	888.7	888.1	888.4	888.7	889.0	889.2	888.8	887.7	886.6	885.4	884.2
122.5°	947.7	947.4	946.9	946.5	946.2	945.7	945.2	944.4	943.7	943.1	942.4
125°	1029.2	1028.4	1028.9	1029.5	1030.1	1030.6	1030.4	1029.2	1028.0	1026.9	1025.8
127.5°	1111.8	1112.0	1110.6	1109.3	1108.0	1106.6	1105.9	1105.5	1105.3	1105.0	1104.7
130°	1161.1	1160.8	1159.9	1159.1	1158.2	1157.4	1156.8	1156.5	1156.2	1155.9	1155.6
132.5°	1209.9	1209.6	1208.5	1207.4	1206.3	1205.2	1204.5	1203.9	1203.4	1202.8	1202.3
135°	1276.9	1276.3	1275.2	1274.0	1272.9	1271.7	1271.3	1271.6	1271.9	1272.1	1272.5
137.5°	1341.4	1340.7	1339.5	1338.3	1337.0	1335.7	1335.0	1334.9	1334.7	1334.6	1334.6
140°	1381.1	1380.2	1379.7	1379.1	1378.5	1377.9	1377.3	1376.7	1376.2	1375.6	1375.0
142.5°	1418.2	1417.6	1417.3	1416.9	1416.6	1416.3	1415.6	1414.5	1413.5	1412.4	1411.4
145°	1471.4	1471.1	1471.1	1471.1	1471.1	1471.1	1470.7	1469.8	1469.0	1468.1	1467.2
147.5°	1517.9	1517.6	1517.9	1518.2	1518.5	1518.7	1518.1	1516.5	1514.8	1513.2	1511.7
150°	1547.7	1547.7	1548.0	1548.3	1548.6	1548.9	1548.4	1547.3	1546.1	1545.0	1543.9
152.5°	1573.1	1572.6	1573.1	1573.6	1574.2	1574.8	1574.5	1573.6	1572.7	1571.8	1570.8
155°	1607.3	1606.1	1607.1	1607.9	1608.8	1609.6	1609.9	1609.6	1609.3	1609.0	1608.8
157.5°	1637.0	1635.5	1636.5	1637.4	1638.4	1639.4	1640.0	1640.2	1640.4	1640.5	1640.7
160°	1656.0	1654.2	1654.5	1654.8	1655.0	1655.4	1656.0	1656.8	1657.7	1658.5	1659.4
162.5°	1671.5	1669.7	1670.1	1670.3	1670.6	1670.9	1671.6	1672.8	1673.8	1674.9	1676.0
165°	1692.8	1690.6	1690.6	1690.6	1690.6	1690.6	1691.3	1692.7	1694.2	1695.6	1697.0
167.5°	1708.7	1706.2	1706.3	1706.5	1706.7	1706.8	1707.6	1709.2	1710.6	1712.2	1713.6
170°	1718.8	1716.5	1716.2	1716.0	1715.6	1715.4	1716.1	1717.8	1719.5	1721.3	1723.0
172.5°	1725.0	1722.8	1722.4	1722.2	1721.9	1721.6	1722.3	1724.1	1725.8	1727.5	1729.2
175°	1732.1	1729.5	1729.2	1728.9	1728.6	1728.4	1729.1	1730.8	1732.5	1734.2	1735.9
177.5°	1735.8	1733.9	1733.5	1733.0	1732.5	1732.1	1732.7	1734.2	1735.9	1737.5	1739.1
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P333071-935

CATALOG NUMBER: S124RDIW-S795D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1143.5	1146.8	1150.5	1157.4	1163.3	1165.9	1171.0	1174.7	1173.5	1178.6	1187.5
5°	1148.0	1160.4	1174.6	1189.2	1205.7	1219.4	1230.4	1241.4	1250.1	1260.6	1276.2
7.5°	1147.3	1169.2	1193.2	1219.4	1246.5	1269.8	1291.4	1313.4	1332.9	1354.3	1382.2
10°	1144.4	1173.6	1203.4	1237.8	1272.0	1304.6	1333.9	1361.4	1387.5	1415.4	1450.7
12.5°	1141.0	1174.7	1210.7	1252.0	1294.8	1333.9	1368.3	1407.9	1440.6	1476.6	1517.3
15°	1126.4	1171.8	1220.8	1274.4	1325.7	1378.3	1425.5	1474.0	1519.3	1562.4	1613.7
17.5°	1109.8	1162.1	1219.9	1283.1	1344.8	1408.8	1464.7	1526.0	1572.3	1630.0	1677.7
20°	1096.2	1152.5	1214.4	1285.4	1355.4	1426.4	1488.2	1550.5	1602.7	1660.9	1721.3
22.5°	1079.8	1141.6	1208.5	1282.0	1355.4	1433.0	1501.4	1563.3	1628.0	1693.4	1755.8
25°	1053.2	1117.3	1188.3	1268.9	1353.1	1432.4	1505.6	1582.5	1652.2	1723.1	1779.0
27.5°	1020.6	1087.9	1162.7	1245.9	1332.3	1413.5	1499.8	1581.7	1651.7	1720.1	1768.8
30°	994.5	1065.6	1137.5	1221.7	1311.5	1398.4	1491.0	1573.0	1646.7	1708.1	1735.5
32.5°	967.9	1035.2	1109.2	1194.6	1286.5	1380.2	1471.9	1555.7	1623.9	1660.8	1661.5
35°	921.4	984.5	1061.4	1145.2	1239.6	1341.3	1434.2	1516.6	1558.2	1561.5	1516.6
37.5°	870.6	928.6	1001.2	1085.0	1188.4	1289.5	1384.5	1439.4	1453.3	1406.7	1323.7
40°	834.3	887.9	957.9	1044.0	1146.6	1251.0	1337.6	1377.9	1363.2	1287.6	1195.2
42.5°	796.3	846.1	913.6	998.6	1101.6	1207.0	1280.7	1302.4	1263.6	1176.3	1068.1
45°	734.0	779.8	846.7	932.3	1031.2	1130.1	1186.0	1175.0	1110.4	1006.9	885.6
47.5°	669.3	713.5	773.7	852.9	954.2	1039.6	1077.4	1044.2	952.4	838.5	739.8
50°	626.5	671.8	727.2	802.7	895.2	977.7	1001.9	951.6	849.5	739.9	649.3
52.5°	584.3	623.0	677.3	750.4	838.8	908.4	921.4	863.2	757.9	659.8	579.4
55°	520.2	555.4	601.2	669.9	746.4	805.5	798.6	723.9	628.3	544.5	481.3
57.5°	458.2	484.7	527.0	591.4	658.6	698.2	673.1	609.5	520.3	451.7	398.4
60°	417.2	441.9	481.3	537.6	596.7	619.1	598.1	528.9	458.4	395.6	350.8
62.5°	378.3	400.1	434.0	486.3	534.0	547.3	524.8	464.4	400.9	347.2	310.1
65°	321.9	342.1	370.9	408.0	441.0	447.4	432.7	370.9	322.8	277.9	252.3
67.5°	270.7	283.9	306.4	338.5	356.0	359.7	331.4	292.6	250.2	222.7	203.3
70°	236.3	245.5	266.5	283.9	298.1	298.6	272.4	241.3	208.8	186.4	172.2
72.5°	202.9	211.7	227.6	239.6	250.5	246.9	223.0	198.5	172.2	155.2	144.7
75°	156.6	164.4	172.6	178.1	178.1	173.6	156.2	137.8	122.7	112.6	109.4
77.5°	113.8	120.3	123.0	122.2	120.5	113.4	102.4	90.4	85.0	80.2	77.8
80°	89.3	92.0	93.0	90.7	87.9	79.6	72.3	67.3	62.3	60.4	59.5
82.5°	66.2	68.6	66.2	66.8	60.8	54.1	50.0	48.3	46.1	45.5	44.5
85°	35.3	34.8	33.9	31.6	27.5	26.5	26.1	25.7	24.7	25.2	24.3
87.5°	13.5	13.0	12.2	12.5	13.0	12.7	13.6	14.0	14.5	14.5	15.6
90°	7.1	10.2	13.4	16.6	19.4	21.6	23.9	26.3	28.6	30.3	32.0
92.5°	16.5	16.7	16.9	17.0	18.3	20.6	22.9	25.2	27.6	29.3	31.0
95°	61.6	51.8	42.0	32.2	27.4	27.7	28.0	28.2	28.6	30.3	32.0
97.5°	157.7	163.8	170.0	176.2	163.1	130.9	98.7	66.5	34.3	34.4	34.6
100°	218.2	223.3	228.5	233.7	216.4	176.6	136.7	96.9	57.2	52.3	47.4
102.5°	285.3	289.1	292.9	296.7	296.0	290.8	285.7	280.4	275.3	222.3	169.4
105°	392.5	394.3	396.1	397.8	399.3	400.8	402.3	403.6	405.1	407.7	410.3
107.5°	493.3	494.1	495.0	495.8	497.2	499.2	501.2	503.1	505.1	506.4	507.6
110°	561.8	562.7	563.5	564.4	565.7	567.4	569.1	570.8	572.6	573.2	573.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	629.0	630.5	632.1	633.6	634.8	635.6	636.5	637.2	638.1	637.9	637.8
115°	730.6	731.4	732.3	733.1	733.5	733.1	732.9	732.6	732.3	732.9	733.5
117.5°	823.0	824.2	825.4	826.6	827.4	828.0	828.7	829.3	829.9	829.8	829.7
120°	885.4	886.6	887.7	888.8	889.2	889.0	888.7	888.4	888.1	888.7	889.2
122.5°	943.1	943.7	944.4	945.2	945.7	946.2	946.5	946.9	947.4	947.7	948.0
125°	1026.9	1028.0	1029.2	1030.4	1030.6	1030.1	1029.5	1028.9	1028.4	1029.2	1030.1
127.5°	1105.0	1105.3	1105.5	1105.9	1106.6	1108.0	1109.3	1110.6	1112.0	1111.8	1111.6
130°	1155.9	1156.2	1156.5	1156.8	1157.4	1158.2	1159.1	1159.9	1160.8	1161.1	1161.4
132.5°	1202.8	1203.4	1203.9	1204.5	1205.2	1206.3	1207.4	1208.5	1209.6	1209.9	1210.2
135°	1272.1	1271.9	1271.6	1271.3	1271.7	1272.9	1274.0	1275.2	1276.3	1276.9	1277.5
137.5°	1334.6	1334.7	1334.9	1335.0	1335.7	1337.0	1338.3	1339.5	1340.7	1341.4	1342.0
140°	1375.6	1376.2	1376.7	1377.3	1377.9	1378.5	1379.1	1379.7	1380.2	1381.1	1382.0
142.5°	1412.4	1413.5	1414.5	1415.6	1416.3	1416.6	1416.9	1417.3	1417.6	1418.2	1418.9
145°	1468.1	1469.0	1469.8	1470.7	1471.1	1471.1	1471.1	1471.1	1471.1	1471.4	1471.7
147.5°	1513.2	1514.8	1516.5	1518.1	1518.7	1518.5	1518.2	1517.9	1517.6	1517.9	1518.0
150°	1545.0	1546.1	1547.3	1548.4	1548.9	1548.6	1548.3	1548.0	1547.7	1547.7	1547.7
152.5°	1571.8	1572.7	1573.6	1574.5	1574.8	1574.2	1573.6	1573.1	1572.6	1573.1	1573.6
155°	1609.0	1609.3	1609.6	1609.9	1609.6	1608.8	1607.9	1607.1	1606.1	1607.3	1608.4
157.5°	1640.5	1640.4	1640.2	1640.0	1639.4	1638.4	1637.4	1636.5	1635.5	1637.0	1638.5
160°	1658.5	1657.7	1656.8	1656.0	1655.4	1655.0	1654.8	1654.5	1654.2	1656.0	1657.7
162.5°	1674.9	1673.8	1672.8	1671.6	1670.9	1670.6	1670.3	1670.1	1669.7	1671.5	1673.3
165°	1695.6	1694.2	1692.7	1691.3	1690.6	1690.6	1690.6	1690.6	1690.6	1692.8	1695.1
167.5°	1712.2	1710.6	1709.2	1707.6	1706.8	1706.7	1706.5	1706.3	1706.2	1708.7	1711.2
170°	1721.3	1719.5	1717.8	1716.1	1715.4	1715.6	1716.0	1716.2	1716.5	1718.8	1721.1
172.5°	1727.5	1725.8	1724.1	1722.3	1721.6	1721.9	1722.2	1722.4	1722.8	1725.0	1727.3
175°	1734.2	1732.5	1730.8	1729.1	1728.4	1728.6	1728.9	1729.2	1729.5	1732.1	1734.7
177.5°	1737.5	1735.9	1734.2	1732.7	1732.1	1732.5	1733.0	1733.5	1733.9	1735.8	1737.6
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1192.2	1193.7	1194.8	1198.4	1198.8	1202.1	1198.8
5°	1290.8	1297.3	1307.3	1317.4	1318.4	1324.7	1313.3
7.5°	1401.4	1416.3	1425.6	1441.8	1448.3	1452.3	1445.7
10°	1477.6	1491.4	1515.7	1527.6	1539.5	1541.4	1535.9
12.5°	1551.3	1573.1	1592.2	1614.8	1614.2	1630.4	1624.4
15°	1649.4	1671.8	1698.4	1723.5	1732.8	1732.8	1740.1
17.5°	1719.3	1760.5	1788.0	1807.8	1829.4	1833.1	1830.6
20°	1766.6	1811.0	1840.4	1866.0	1880.7	1884.7	1884.7
22.5°	1801.8	1839.6	1868.2	1891.3	1903.3	1908.2	1906.8
25°	1826.2	1858.6	1876.0	1882.9	1886.1	1885.2	1876.5
27.5°	1792.8	1791.3	1780.4	1759.3	1743.4	1733.8	1722.9
30°	1729.1	1705.3	1677.8	1647.5	1608.6	1578.9	1569.7
32.5°	1634.2	1580.7	1534.2	1483.8	1442.0	1412.2	1399.7
35°	1450.7	1366.0	1296.8	1236.4	1192.4	1164.9	1155.8
37.5°	1232.9	1150.9	1065.3	1006.7	970.3	942.5	932.1
40°	1094.4	1005.1	930.5	875.6	838.0	811.0	810.5
42.5°	968.0	882.8	812.5	772.9	732.5	714.6	714.5
45°	792.6	724.4	664.9	633.8	609.5	594.9	590.7
47.5°	656.3	599.9	560.2	535.4	515.6	506.3	500.2
50°	579.7	530.3	498.7	477.2	466.1	454.3	453.3
52.5°	516.0	476.0	451.4	433.9	420.0	412.8	413.0
55°	433.6	402.1	384.6	371.3	360.4	354.9	352.6
57.5°	365.3	341.6	329.0	316.8	312.1	307.8	306.6
60°	322.8	306.8	294.9	285.2	278.4	277.1	276.6
62.5°	287.7	270.9	262.7	255.2	250.2	248.1	247.3
65°	237.2	224.8	217.5	211.5	209.7	206.6	206.0
67.5°	191.2	183.8	178.9	174.9	172.4	172.2	172.2
70°	163.0	158.9	154.8	152.5	151.1	150.2	150.2
72.5°	138.9	135.8	132.4	131.2	131.0	130.0	129.7
75°	105.8	102.5	103.1	100.7	98.9	96.6	95.2
77.5°	75.0	72.8	72.2	72.0	70.4	70.2	70.9
80°	58.1	55.9	55.4	55.9	55.4	54.1	54.1
82.5°	44.3	42.3	41.8	41.6	41.2	41.6	40.8
85°	23.8	22.9	22.9	22.9	23.8	23.3	22.9
87.5°	15.2	15.2	15.8	15.5	15.6	15.3	15.8
90°	33.8	35.5	36.7	37.2	37.8	38.4	38.9
92.5°	32.7	34.4	35.4	35.5	35.6	35.7	35.8
95°	33.8	35.5	36.5	36.8	37.1	37.4	37.6
97.5°	34.8	35.0	35.2	35.5	35.8	36.1	36.3
100°	42.4	37.5	35.2	35.5	35.8	36.1	36.3
102.5°	116.5	63.6	37.2	37.2	37.3	37.4	37.4
105°	412.9	415.5	411.6	401.2	390.8	380.5	370.1
107.5°	508.9	510.1	511.3	512.5	513.5	514.6	515.7
110°	574.4	574.9	575.7	576.5	577.4	578.2	579.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	637.7	637.6	638.1	639.2	640.2	641.4	642.5
115°	734.0	734.6	734.9	734.9	734.9	734.9	734.9
117.5°	829.6	829.5	829.4	829.2	829.1	829.1	828.9
120°	889.8	890.4	890.4	889.8	889.2	888.7	888.1
122.5°	948.4	948.7	948.6	948.0	947.4	946.8	946.3
125°	1031.0	1031.8	1032.4	1032.7	1032.9	1033.3	1033.5
127.5°	1111.5	1111.3	1111.0	1110.9	1110.6	1110.3	1110.2
130°	1161.7	1161.9	1162.1	1162.1	1162.1	1162.1	1162.1
132.5°	1210.5	1210.7	1210.8	1210.6	1210.3	1210.1	1209.9
135°	1278.1	1278.7	1279.3	1279.8	1280.4	1281.0	1281.5
137.5°	1342.6	1343.3	1343.5	1343.3	1343.2	1343.0	1342.8
140°	1382.9	1383.7	1384.2	1384.6	1384.8	1385.1	1385.4
142.5°	1419.5	1420.1	1420.5	1420.6	1420.6	1420.6	1420.7
145°	1472.0	1472.2	1472.7	1473.3	1473.9	1474.5	1475.0
147.5°	1518.3	1518.5	1518.8	1519.1	1519.3	1519.7	1519.9
150°	1547.7	1547.7	1547.9	1548.2	1548.4	1548.8	1549.0
152.5°	1574.0	1574.5	1574.6	1574.4	1574.3	1574.1	1573.9
155°	1609.6	1610.8	1610.9	1610.1	1609.2	1608.3	1607.5
157.5°	1640.0	1641.5	1641.5	1640.0	1638.5	1637.0	1635.5
160°	1659.4	1661.1	1661.1	1659.4	1657.7	1656.0	1654.2
162.5°	1675.0	1676.7	1676.5	1674.6	1672.7	1670.7	1668.7
165°	1697.5	1699.8	1699.6	1697.0	1694.4	1691.9	1689.3
167.5°	1713.7	1716.3	1716.1	1713.2	1710.4	1707.4	1704.6
170°	1723.5	1725.8	1725.4	1722.6	1719.7	1716.8	1713.9
172.5°	1729.7	1732.0	1731.6	1728.5	1725.4	1722.3	1719.1
175°	1737.3	1739.9	1739.5	1735.9	1732.5	1729.1	1725.6
177.5°	1739.5	1741.3	1740.9	1738.1	1735.3	1732.5	1729.7
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9

(END OF REPORT)