

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: P333071-930

Luminaire Tested: **S124RDIW-S795D1560U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333071-930  
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-S795D1560U930-4F0-1E-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: 7810.1 lumens  
Efficiency: N/A  
Efficacy: 114.7 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

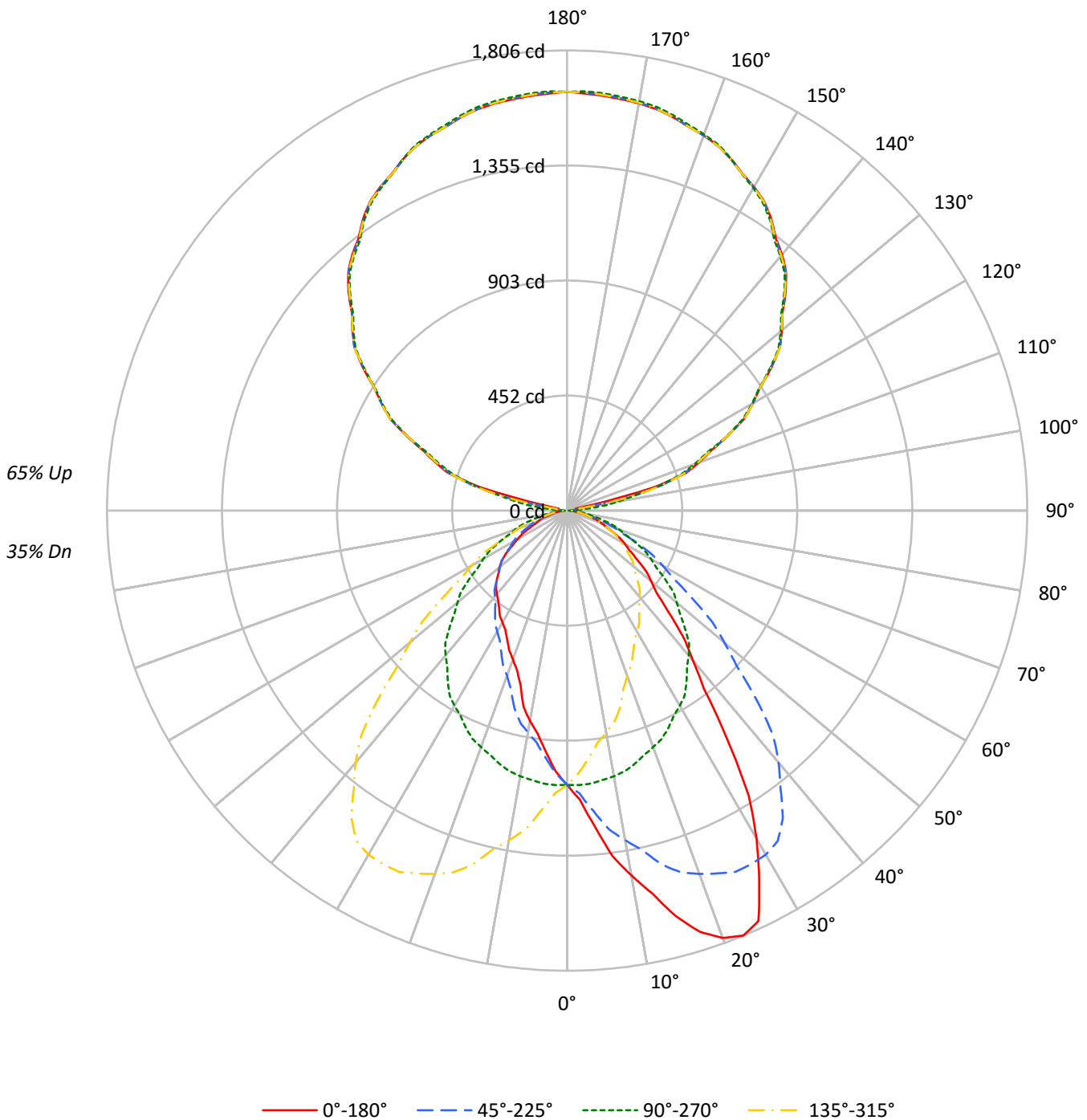
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	34	32	31	26
3	79	70	63	58	71	64	58	53	52	47	44	40	38	35	30	28	27	22
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19
5	66	55	48	42	60	50	44	39	41	36	32	33	29	26	24	22	20	17
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	20	18	15
7	57	45	37	32	51	41	34	29	34	29	25	27	23	20	20	18	16	13
8	52	41	33	28	47	37	31	26	31	26	22	24	21	18	19	16	14	12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

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

	0°	90°	180°	270°
0°	8688	8688	8688	8688
5°	10078	8715	7703	8715
10°	11922	8676	6874	8676
15°	13771	8596	5907	8596
20°	15332	8485	5342	8485
25°	15828	8378	4960	8378
30°	13856	8245	4729	8245
35°	10787	8051	4590	8051
40°	8088	7827	4515	7827
45°	6387	7470	4475	7470
50°	5392	7058	4346	7058
55°	4700	6602	4114	6602
60°	4229	6132	3641	6132
65°	3727	5624	3131	5624
70°	3356	5098	2825	5098
75°	2813	4517	2408	4517
80°	2380	3849	2259	3849
85°	2010	3010	2010	3010



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.3	1.3
10°-20°	314.5	4.0
20°-30°	492.0	6.3
30°-40°	546.9	7.0
40°-50°	485.2	6.2
50°-60°	378.1	4.8
60°-70°	247.6	3.2
70°-80°	121.7	1.6
80°-90°	34.8	0.4
90°-100°	56.2	0.7
100°-110°	358.5	4.6
110°-120°	685.8	8.8
120°-130°	870.5	11.1
130°-140°	931.4	11.9
140°-150°	871.0	11.2
150°-160°	702.4	9.0
160°-170°	453.0	5.8
170°-180°	156.1	2.0
0°-30°	910.8	11.7
0°-40°	1457.7	18.7
0°-60°	2321.1	29.7
0°-90°	2725.2	34.9
90°-120°	1100.5	14.1
90°-150°	3773.4	48.3
90°-180°	5085.0	65.1
0°-180°	7810.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1076	1076	1076	1076	1076	
5°	1244	1075	950	1075	1244	126
15°	1648	1028	707	1028	1648	469
25°	1777	940	557	940	1777	788
35°	1094	817	466	817	1094	686
45°	559	654	392	654	559	443
55°	334	469	292	469	334	304
65°	195	294	164	294	195	196
75°	90	145	77	145	90	99
85°	22	32	22	32	22	25
90°	37	4	37	4	37	17
95°	36	68	36	68	36	28
105°	350	370	350	370	350	306
115°	696	691	696	691	696	689
125°	979	971	979	971	979	872
135°	1214	1205	1214	1205	1214	934
145°	1397	1389	1397	1389	1397	873
155°	1522	1523	1522	1523	1522	702
165°	1600	1607	1600	1607	1600	452
175°	1634	1644	1634	1644	1634	156
180°	1644	1644	1644	1644	1644	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1135.1	1138.3	1135.1	1134.8	1131.4	1130.3	1128.9	1124.5	1116.1	1111.3	1112.3
5°	1243.6	1254.4	1248.4	1247.5	1238.0	1228.4	1222.3	1208.4	1193.7	1183.7	1175.5
7.5°	1369.0	1375.2	1371.4	1365.3	1349.9	1341.2	1327.1	1308.8	1282.4	1262.2	1243.7
10°	1454.3	1459.5	1457.8	1446.5	1435.3	1412.3	1399.2	1373.7	1340.3	1313.9	1289.2
12.5°	1538.2	1543.9	1528.5	1529.1	1507.7	1489.6	1469.0	1436.8	1398.2	1364.2	1333.2
15°	1647.7	1640.8	1640.8	1632.1	1608.3	1583.1	1561.9	1528.0	1479.4	1438.7	1395.8
17.5°	1733.4	1735.8	1732.3	1711.8	1693.1	1667.0	1628.1	1588.6	1543.5	1488.8	1445.0
20°	1784.7	1784.7	1780.9	1766.9	1742.7	1714.9	1672.8	1629.9	1572.7	1517.6	1468.2
22.5°	1805.6	1806.9	1802.3	1790.9	1769.0	1742.0	1706.2	1662.6	1603.5	1541.6	1480.3
25°	1776.9	1785.2	1786.0	1783.0	1776.5	1760.0	1729.2	1684.6	1631.7	1564.5	1498.5
27.5°	1631.4	1641.8	1650.9	1665.9	1685.9	1696.2	1697.6	1675.0	1628.8	1564.1	1497.8
30°	1486.4	1495.1	1523.2	1560.1	1588.8	1614.8	1637.3	1643.4	1617.4	1559.3	1489.5
32.5°	1325.4	1337.3	1365.5	1405.1	1452.8	1496.8	1547.4	1573.3	1572.6	1537.7	1473.2
35°	1094.5	1103.1	1129.1	1170.8	1228.0	1293.5	1373.7	1436.1	1478.6	1475.5	1436.1
37.5°	882.6	892.4	918.8	953.2	1008.8	1089.8	1167.4	1253.4	1332.0	1376.1	1363.0
40°	767.5	767.9	793.5	829.1	881.1	951.8	1036.3	1131.7	1219.3	1290.9	1304.7
42.5°	676.6	676.7	693.6	731.9	769.4	835.9	916.6	1011.4	1113.9	1196.5	1233.3
45°	559.4	563.3	577.2	600.1	629.6	686.0	750.6	838.6	953.5	1051.5	1112.6
47.5°	473.7	479.4	488.2	507.0	530.4	568.0	621.4	700.5	794.0	901.8	988.8
50°	429.3	430.2	441.4	451.8	472.2	502.1	548.9	614.8	700.7	804.4	901.1
52.5°	391.1	390.9	397.7	410.9	427.5	450.8	488.6	548.6	624.8	717.6	817.4
55°	333.9	336.1	341.3	351.6	364.2	380.7	410.6	455.8	515.6	594.9	685.5
57.5°	290.3	291.5	295.5	299.9	311.5	323.5	345.9	377.2	427.7	492.7	577.2
60°	261.9	262.4	263.7	270.1	279.2	290.5	305.7	332.2	374.6	434.1	500.8
62.5°	234.2	234.9	236.9	241.7	248.7	256.5	272.4	293.7	328.8	379.6	439.8
65°	195.1	195.6	198.6	200.3	205.9	212.9	224.6	238.9	263.2	305.7	351.2
67.5°	163.1	163.1	163.2	165.6	169.4	174.1	181.1	192.5	210.8	236.9	277.0
70°	142.2	142.2	143.1	144.4	146.6	150.4	154.3	163.1	176.5	197.7	228.5
72.5°	122.8	123.1	124.0	124.3	125.4	128.6	131.5	137.1	147.0	163.1	187.9
75°	90.2	91.5	93.7	95.4	97.6	97.1	100.2	103.6	106.6	116.2	130.5
77.5°	67.1	66.4	66.7	68.2	68.4	68.9	71.0	73.7	76.0	80.5	85.6
80°	51.2	51.2	52.5	52.9	52.5	52.9	55.0	56.3	57.2	58.9	63.8
82.5°	38.6	39.4	39.0	39.4	39.6	40.0	41.9	42.2	43.0	43.7	45.7
85°	21.7	22.1	22.6	21.7	21.7	21.7	22.6	23.0	23.9	23.4	24.3
87.5°	15.0	14.5	14.8	14.7	14.9	14.3	14.3	14.8	13.7	13.7	13.3
90°	36.9	36.4	35.8	35.2	34.7	33.6	32.0	30.3	28.7	27.1	24.9
92.5°	33.9	33.8	33.8	33.6	33.5	32.6	31.0	29.4	27.7	26.1	23.9
95°	35.6	35.4	35.1	34.8	34.6	33.6	32.0	30.3	28.7	27.1	26.7
97.5°	34.4	34.2	33.9	33.6	33.3	33.1	32.9	32.8	32.6	32.4	62.9
100°	34.4	34.2	33.9	33.6	33.3	35.5	40.2	44.8	49.5	54.1	91.8
102.5°	35.4	35.4	35.3	35.2	35.2	60.3	110.3	160.5	210.5	260.7	265.5
105°	350.4	360.3	370.1	379.9	389.7	393.5	391.0	388.5	386.0	383.6	382.2
107.5°	488.4	487.3	486.2	485.3	484.2	483.1	481.9	480.7	479.5	478.3	476.4
110°	548.4	547.6	546.7	545.9	545.1	544.4	543.9	543.3	542.7	542.2	540.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	608.4	607.3	606.3	605.3	604.2	603.7	603.8	604.0	604.1	604.2	603.4
115°	695.9	695.9	695.9	695.9	695.9	695.6	695.0	694.6	694.0	693.4	693.7
117.5°	784.9	785.1	785.1	785.2	785.4	785.5	785.5	785.7	785.8	785.9	785.3
120°	841.0	841.6	842.0	842.6	843.2	843.2	842.6	842.0	841.6	841.0	841.2
122.5°	896.1	896.6	897.2	897.7	898.2	898.4	898.1	897.7	897.4	897.1	896.7
125°	978.7	978.4	978.1	977.9	977.6	977.1	976.2	975.4	974.6	973.8	974.3
127.5°	1051.2	1051.4	1051.7	1051.9	1052.1	1052.3	1052.5	1052.6	1052.8	1053.0	1051.7
130°	1100.4	1100.4	1100.4	1100.4	1100.4	1100.2	1100.0	1099.8	1099.4	1099.2	1098.4
132.5°	1145.7	1145.9	1146.1	1146.3	1146.6	1146.5	1146.2	1146.0	1145.7	1145.4	1144.4
135°	1213.5	1213.0	1212.4	1211.9	1211.4	1210.8	1210.2	1209.7	1209.2	1208.6	1207.5
137.5°	1271.5	1271.7	1271.9	1272.0	1272.2	1272.0	1271.4	1270.8	1270.2	1269.6	1268.4
140°	1311.9	1311.6	1311.3	1311.1	1310.8	1310.3	1309.5	1308.6	1307.8	1306.9	1306.4
142.5°	1345.3	1345.2	1345.2	1345.2	1345.1	1344.8	1344.2	1343.6	1343.0	1342.4	1342.1
145°	1396.7	1396.2	1395.6	1395.1	1394.6	1394.1	1393.8	1393.6	1393.3	1393.0	1393.0
147.5°	1439.2	1439.0	1438.7	1438.4	1438.2	1437.9	1437.7	1437.5	1437.3	1437.0	1437.3
150°	1466.8	1466.6	1466.2	1466.0	1465.7	1465.6	1465.6	1465.6	1465.6	1465.6	1465.8
152.5°	1490.4	1490.5	1490.7	1490.9	1491.0	1490.9	1490.4	1490.0	1489.6	1489.1	1489.6
155°	1522.2	1523.0	1523.8	1524.6	1525.4	1525.3	1524.2	1523.1	1522.0	1520.9	1521.8
157.5°	1548.7	1550.1	1551.5	1553.0	1554.4	1554.4	1553.0	1551.5	1550.1	1548.7	1549.6
160°	1566.4	1568.1	1569.7	1571.3	1573.0	1573.0	1571.3	1569.7	1568.1	1566.4	1566.7
162.5°	1580.1	1582.0	1583.9	1585.8	1587.6	1587.7	1586.1	1584.5	1582.7	1581.1	1581.4
165°	1599.6	1602.1	1604.5	1607.0	1609.4	1609.6	1607.4	1605.2	1603.0	1600.8	1600.8
167.5°	1614.1	1616.8	1619.6	1622.3	1625.1	1625.2	1622.8	1620.4	1618.0	1615.6	1615.8
170°	1622.9	1625.7	1628.4	1631.2	1633.9	1634.2	1632.0	1629.8	1627.6	1625.4	1625.1
172.5°	1627.8	1630.8	1633.8	1636.7	1639.6	1640.1	1637.9	1635.7	1633.5	1631.3	1631.0
175°	1634.0	1637.3	1640.5	1643.8	1647.1	1647.6	1645.1	1642.6	1640.1	1637.7	1637.4
177.5°	1637.9	1640.5	1643.2	1645.8	1648.5	1648.9	1647.1	1645.4	1643.6	1641.8	1641.4
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1108.8	1104.0	1101.6	1096.0	1089.4	1085.9	1082.8	1078.3	1072.4	1066.2	1061.6
5°	1165.1	1154.7	1141.7	1126.1	1112.2	1098.8	1087.0	1075.4	1061.9	1048.0	1034.1
7.5°	1222.9	1202.4	1180.3	1154.7	1129.8	1107.2	1086.4	1066.4	1043.8	1023.7	1005.3
10°	1263.1	1235.3	1204.5	1172.1	1139.5	1111.3	1083.6	1058.4	1030.7	1006.0	985.1
12.5°	1295.7	1263.1	1226.0	1185.5	1146.5	1112.4	1080.4	1047.7	1016.1	989.3	961.6
15°	1349.8	1305.1	1255.3	1206.7	1156.0	1109.6	1066.7	1028.5	992.5	954.8	928.4
17.5°	1387.0	1334.0	1273.4	1215.0	1155.1	1100.4	1050.9	1005.4	963.9	925.4	893.9
20°	1409.2	1350.7	1283.4	1217.2	1149.9	1091.4	1038.0	987.7	944.9	903.2	870.7
22.5°	1421.7	1356.9	1283.4	1214.0	1144.4	1081.0	1022.5	970.0	923.3	881.7	845.7
25°	1425.7	1356.3	1281.3	1201.5	1125.2	1058.0	997.3	940.5	888.4	846.9	808.7
27.5°	1420.2	1338.5	1261.6	1179.7	1101.0	1030.1	966.5	906.8	854.7	810.0	770.9
30°	1411.9	1324.2	1241.9	1156.8	1077.1	1009.0	941.8	884.5	830.4	784.0	744.5
32.5°	1393.8	1306.9	1218.2	1131.2	1050.4	980.2	916.5	858.9	805.8	758.3	716.4
35°	1358.0	1270.1	1173.8	1084.4	1005.1	932.2	872.5	816.9	766.2	715.4	671.2
37.5°	1311.0	1221.1	1125.3	1027.4	948.0	879.3	824.3	772.3	722.8	676.5	627.5
40°	1266.6	1184.6	1085.7	988.6	907.1	840.7	790.0	742.7	692.9	646.9	597.9
42.5°	1212.8	1143.0	1043.1	945.6	865.1	801.2	754.0	707.8	662.3	617.8	566.7
45°	1123.1	1070.2	976.5	882.8	801.8	738.4	695.0	654.3	614.4	571.9	523.8
47.5°	1020.2	984.4	903.5	807.6	732.6	675.6	633.7	600.5	566.7	524.2	482.0
50°	948.8	925.8	847.7	760.1	688.6	636.1	593.2	562.0	533.8	493.0	455.3
52.5°	872.5	860.2	794.3	710.5	641.4	590.0	553.3	525.2	496.7	462.8	427.5
55°	756.2	762.7	706.8	634.4	569.3	525.9	492.6	469.1	444.9	416.3	389.0
57.5°	637.4	661.1	623.6	560.0	499.0	459.0	433.9	414.2	393.8	370.1	346.7
60°	566.3	586.2	565.0	509.1	455.8	418.4	395.0	379.8	359.5	337.8	320.0
62.5°	496.9	518.3	505.6	460.5	411.0	378.9	358.2	344.1	329.0	310.1	291.6
65°	409.8	423.6	417.6	386.4	351.2	323.9	304.8	294.4	280.5	266.7	250.2
67.5°	313.8	340.6	337.1	320.5	290.2	268.8	256.3	247.1	234.5	224.2	213.0
70°	258.0	282.7	282.3	268.8	252.3	232.4	223.7	216.0	204.6	194.7	185.6
72.5°	211.2	233.8	237.2	226.9	215.6	200.5	192.2	186.8	175.9	169.0	161.7
75°	147.9	164.4	168.7	168.7	163.5	155.6	148.3	144.8	137.1	130.9	126.6
77.5°	96.9	107.4	114.1	115.7	116.5	113.9	107.8	105.3	99.4	97.2	93.0
80°	68.5	75.4	83.2	85.9	88.1	87.2	84.5	82.8	77.2	75.0	73.3
82.5°	47.4	51.2	57.6	63.3	62.7	65.0	62.7	61.3	57.1	56.3	54.5
85°	24.7	25.1	26.0	29.9	32.1	32.9	33.4	32.5	31.2	31.2	28.2
87.5°	12.9	12.1	12.3	11.8	11.6	12.3	12.8	12.6	12.1	11.7	11.3
90°	22.7	20.5	18.3	15.7	12.7	9.7	6.7	3.7	6.7	9.7	12.7
92.5°	21.7	19.5	17.3	16.1	16.0	15.8	15.7	15.5	15.7	15.8	16.0
95°	26.5	26.3	25.9	30.5	39.8	49.1	58.3	67.6	58.3	49.1	39.8
97.5°	93.4	123.9	154.4	166.8	161.0	155.2	149.4	143.6	149.4	155.2	161.0
100°	129.5	167.2	204.9	221.3	216.4	211.5	206.6	201.6	206.6	211.5	216.4
102.5°	270.5	275.4	280.3	281.0	277.4	273.8	270.2	266.5	270.2	273.8	277.4
105°	380.9	379.5	378.1	376.7	375.0	373.3	371.7	370.1	371.7	373.3	375.0
107.5°	474.6	472.7	470.8	469.5	468.7	467.9	467.1	466.2	467.1	467.9	468.7
110°	538.9	537.3	535.7	534.4	533.6	532.8	532.0	531.2	532.0	532.8	533.6





TEST NUMBER: P333071-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	602.7	601.9	601.1	600.0	598.5	597.0	595.6	594.1	595.6	597.0	598.5
115°	694.0	694.2	694.6	694.2	693.4	692.6	691.8	691.0	691.8	692.6	693.4
117.5°	784.7	784.1	783.5	782.7	781.5	780.5	779.3	778.3	779.3	780.5	781.5
120°	841.6	841.8	842.0	841.6	840.6	839.5	838.4	837.3	838.4	839.5	840.6
122.5°	896.3	895.9	895.5	895.0	894.3	893.6	893.0	892.3	893.0	893.6	894.3
125°	974.9	975.4	975.9	975.7	974.6	973.5	972.4	971.3	972.4	973.5	974.6
127.5°	1050.4	1049.2	1047.9	1047.2	1046.8	1046.6	1046.4	1046.0	1046.4	1046.6	1046.8
130°	1097.6	1096.7	1095.9	1095.4	1095.1	1094.8	1094.5	1094.3	1094.5	1094.8	1095.1
132.5°	1143.3	1142.3	1141.3	1140.5	1140.0	1139.5	1139.0	1138.5	1139.0	1139.5	1140.0
135°	1206.4	1205.3	1204.2	1203.8	1204.1	1204.4	1204.6	1204.9	1204.6	1204.4	1204.1
137.5°	1267.2	1266.0	1264.8	1264.1	1264.0	1263.9	1263.8	1263.7	1263.8	1263.9	1264.0
140°	1305.9	1305.3	1304.8	1304.2	1303.7	1303.2	1302.6	1302.0	1302.6	1303.2	1303.7
142.5°	1341.7	1341.4	1341.1	1340.4	1339.5	1338.5	1337.4	1336.4	1337.4	1338.5	1339.5
145°	1393.0	1393.0	1393.0	1392.6	1391.8	1391.0	1390.2	1389.4	1390.2	1391.0	1391.8
147.5°	1437.6	1437.9	1438.1	1437.5	1436.0	1434.4	1432.9	1431.4	1432.9	1434.4	1436.0
150°	1466.2	1466.4	1466.6	1466.2	1465.2	1464.0	1463.0	1461.9	1463.0	1464.0	1465.2
152.5°	1490.1	1490.6	1491.2	1490.9	1490.0	1489.2	1488.3	1487.4	1488.3	1489.2	1490.0
155°	1522.6	1523.4	1524.2	1524.4	1524.2	1523.9	1523.6	1523.4	1523.6	1523.9	1524.2
157.5°	1550.5	1551.4	1552.4	1553.0	1553.1	1553.3	1553.5	1553.6	1553.5	1553.3	1553.1
160°	1566.9	1567.2	1567.5	1568.1	1568.9	1569.7	1570.5	1571.3	1570.5	1569.7	1568.9
162.5°	1581.7	1581.9	1582.3	1582.9	1584.0	1584.9	1586.0	1587.1	1586.0	1584.9	1584.0
165°	1600.8	1600.8	1600.8	1601.5	1602.9	1604.3	1605.6	1607.0	1605.6	1604.3	1602.9
167.5°	1615.9	1616.1	1616.2	1617.0	1618.5	1619.8	1621.3	1622.7	1621.3	1619.8	1618.5
170°	1624.9	1624.6	1624.3	1625.0	1626.6	1628.2	1629.9	1631.6	1629.9	1628.2	1626.6
172.5°	1630.8	1630.5	1630.2	1630.9	1632.6	1634.2	1635.8	1637.4	1635.8	1634.2	1632.6
175°	1637.1	1636.9	1636.6	1637.3	1638.9	1640.5	1642.2	1643.8	1642.2	1640.5	1638.9
177.5°	1641.0	1640.5	1640.1	1640.7	1642.2	1643.7	1645.3	1646.8	1645.3	1643.7	1642.2
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8



TEST NUMBER: P333071-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1056.8	1053.3	1048.8	1043.6	1037.4	1031.8	1029.4	1031.4	1032.5	1029.7	1029.4
5°	1024.6	1013.7	1005.1	992.1	981.7	973.0	966.9	964.3	965.2	958.3	956.5
7.5°	988.5	975.6	961.4	946.0	931.6	918.8	912.2	908.5	901.2	898.0	892.7
10°	965.2	947.9	934.0	915.7	899.3	884.1	876.8	870.7	863.3	859.8	852.5
12.5°	941.3	921.1	905.9	887.0	870.2	851.8	844.8	833.6	822.1	814.7	805.3
15°	907.5	883.3	864.6	842.0	822.1	801.3	782.7	761.8	754.1	737.6	728.1
17.5°	868.0	843.4	820.4	790.1	759.4	733.5	713.6	693.7	681.8	671.2	666.3
20°	842.0	819.5	787.4	752.3	718.0	689.4	673.4	660.4	647.3	640.0	634.8
22.5°	817.4	788.6	751.4	713.5	679.2	656.8	643.2	629.8	619.3	612.3	605.3
25°	776.2	738.4	699.0	655.6	632.2	612.7	597.9	587.1	580.6	571.5	568.0
27.5°	733.8	688.0	644.5	615.4	591.0	573.2	560.3	552.1	543.9	538.1	533.6
30°	701.2	654.8	615.7	588.0	563.3	548.5	538.1	528.6	522.0	517.3	513.8
32.5°	668.9	622.5	589.7	559.9	540.4	525.9	514.9	507.8	502.6	496.5	494.4
35°	622.2	581.1	552.4	525.5	505.6	492.6	483.9	476.5	472.2	470.4	469.1
37.5°	577.4	543.6	512.9	490.8	473.0	462.8	452.6	449.0	446.0	442.9	444.3
40°	548.9	517.3	490.0	466.6	452.2	441.0	434.9	430.6	428.0	428.0	428.0
42.5°	524.3	493.3	466.8	445.7	431.5	421.9	415.2	411.5	410.6	410.3	412.4
45°	486.1	457.5	430.6	413.2	401.0	391.5	387.7	384.6	384.6	386.4	386.8
47.5°	448.2	421.3	399.8	380.3	369.2	363.3	359.9	358.3	358.5	360.3	362.2
50°	424.9	398.5	377.2	359.9	349.5	343.8	340.8	340.0	340.8	340.8	343.8
52.5°	399.6	375.9	355.1	340.5	328.6	323.3	321.7	320.5	321.1	322.5	323.8
55°	362.5	341.3	321.3	307.4	298.7	295.3	291.4	291.8	291.0	291.8	291.8
57.5°	325.3	306.2	287.6	276.6	269.0	264.0	259.8	261.0	259.7	259.5	258.8
60°	301.3	280.5	265.8	255.8	247.1	242.8	238.9	239.8	238.5	237.6	235.9
62.5°	275.3	258.0	243.9	234.3	227.4	222.3	218.4	217.6	214.6	211.6	207.8
65°	237.6	223.3	210.8	201.6	195.1	191.2	188.2	185.6	179.0	172.1	168.7
67.5°	201.0	190.6	178.9	171.2	165.9	160.8	155.0	150.6	144.5	140.6	138.5
70°	177.3	167.4	157.4	150.0	144.4	139.7	133.1	130.1	125.7	124.0	121.8
72.5°	154.8	145.5	136.2	129.6	123.6	119.8	114.7	111.7	109.8	109.1	107.0
75°	120.6	113.2	106.2	100.2	95.4	92.8	90.7	88.5	87.6	83.6	81.5
77.5°	88.0	83.1	78.8	74.4	71.0	69.3	65.1	62.6	61.1	59.4	58.9
80°	68.5	65.1	60.7	58.1	53.3	51.6	49.9	49.4	49.0	48.6	48.1
82.5°	51.5	48.0	43.7	42.2	40.8	39.8	38.7	38.3	37.9	38.2	38.1
85°	26.0	24.3	24.3	23.9	23.4	23.0	22.6	22.6	22.1	22.6	22.1
87.5°	11.8	12.0	12.4	12.1	13.0	13.4	13.4	13.7	14.3	14.0	14.2
90°	15.7	18.3	20.5	22.7	24.9	27.1	28.7	30.3	32.0	33.6	34.7
92.5°	16.1	17.3	19.5	21.7	23.9	26.1	27.7	29.4	31.0	32.6	33.5
95°	30.5	25.9	26.3	26.5	26.7	27.1	28.7	30.3	32.0	33.6	34.6
97.5°	166.8	154.4	123.9	93.4	62.9	32.4	32.6	32.8	32.9	33.1	33.3
100°	221.3	204.9	167.2	129.5	91.8	54.1	49.5	44.8	40.2	35.5	33.3
102.5°	281.0	280.3	275.4	270.5	265.5	260.7	210.5	160.5	110.3	60.3	35.2
105°	376.7	378.1	379.5	380.9	382.2	383.6	386.0	388.5	391.0	393.5	389.7
107.5°	469.5	470.8	472.7	474.6	476.4	478.3	479.5	480.7	481.9	483.1	484.2
110°	534.4	535.7	537.3	538.9	540.5	542.2	542.7	543.3	543.9	544.4	545.1



TEST NUMBER: P333071-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	600.0	601.1	601.9	602.7	603.4	604.2	604.1	604.0	603.8	603.7	604.2
115°	694.2	694.6	694.2	694.0	693.7	693.4	694.0	694.6	695.0	695.6	695.9
117.5°	782.7	783.5	784.1	784.7	785.3	785.9	785.8	785.7	785.5	785.5	785.4
120°	841.6	842.0	841.8	841.6	841.2	841.0	841.6	842.0	842.6	843.2	843.2
122.5°	895.0	895.5	895.9	896.3	896.7	897.1	897.4	897.7	898.1	898.4	898.2
125°	975.7	975.9	975.4	974.9	974.3	973.8	974.6	975.4	976.2	977.1	977.6
127.5°	1047.2	1047.9	1049.2	1050.4	1051.7	1053.0	1052.8	1052.6	1052.5	1052.3	1052.1
130°	1095.4	1095.9	1096.7	1097.6	1098.4	1099.2	1099.4	1099.8	1100.0	1100.2	1100.4
132.5°	1140.5	1141.3	1142.3	1143.3	1144.4	1145.4	1145.7	1146.0	1146.2	1146.5	1146.6
135°	1203.8	1204.2	1205.3	1206.4	1207.5	1208.6	1209.2	1209.7	1210.2	1210.8	1211.4
137.5°	1264.1	1264.8	1266.0	1267.2	1268.4	1269.6	1270.2	1270.8	1271.4	1272.0	1272.2
140°	1304.2	1304.8	1305.3	1305.9	1306.4	1306.9	1307.8	1308.6	1309.5	1310.3	1310.8
142.5°	1340.4	1341.1	1341.4	1341.7	1342.1	1342.4	1343.0	1343.6	1344.2	1344.8	1345.1
145°	1392.6	1393.0	1393.0	1393.0	1393.0	1393.0	1393.3	1393.6	1393.8	1394.1	1394.6
147.5°	1437.5	1438.1	1437.9	1437.6	1437.3	1437.0	1437.3	1437.5	1437.7	1437.9	1438.2
150°	1466.2	1466.6	1466.4	1466.2	1465.8	1465.6	1465.6	1465.6	1465.6	1465.6	1465.7
152.5°	1490.9	1491.2	1490.6	1490.1	1489.6	1489.1	1489.6	1490.0	1490.4	1490.9	1491.0
155°	1524.4	1524.2	1523.4	1522.6	1521.8	1520.9	1522.0	1523.1	1524.2	1525.3	1525.4
157.5°	1553.0	1552.4	1551.4	1550.5	1549.6	1548.7	1550.1	1551.5	1553.0	1554.4	1554.4
160°	1568.1	1567.5	1567.2	1566.9	1566.7	1566.4	1568.1	1569.7	1571.3	1573.0	1573.0
162.5°	1582.9	1582.3	1581.9	1581.7	1581.4	1581.1	1582.7	1584.5	1586.1	1587.7	1587.6
165°	1601.5	1600.8	1600.8	1600.8	1600.8	1600.8	1603.0	1605.2	1607.4	1609.6	1609.4
167.5°	1617.0	1616.2	1616.1	1615.9	1615.8	1615.6	1618.0	1620.4	1622.8	1625.2	1625.1
170°	1625.0	1624.3	1624.6	1624.9	1625.1	1625.4	1627.6	1629.8	1632.0	1634.2	1633.9
172.5°	1630.9	1630.2	1630.5	1630.8	1631.0	1631.3	1633.5	1635.7	1637.9	1640.1	1639.6
175°	1637.3	1636.6	1636.9	1637.1	1637.4	1637.7	1640.1	1642.6	1645.1	1647.6	1647.1
177.5°	1640.7	1640.1	1640.5	1641.0	1641.4	1641.8	1643.6	1645.4	1647.1	1648.9	1648.5
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8



TEST NUMBER: P333071-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1027.3	1028.0	1025.6	1024.8	1025.6	1028.0	1027.3	1029.4	1029.7	1032.5	1031.4
5°	953.1	952.2	950.1	950.5	950.1	952.2	953.1	956.5	958.3	965.2	964.3
7.5°	889.6	886.2	887.1	883.7	887.1	886.2	889.6	892.7	898.0	901.2	908.5
10°	850.8	846.0	842.0	838.6	842.0	846.0	850.8	852.5	859.8	863.3	870.7
12.5°	797.7	793.6	788.3	789.4	788.3	793.6	797.7	805.3	814.7	822.1	833.6
15°	722.4	715.9	705.5	706.8	705.5	715.9	722.4	728.1	737.6	754.1	761.8
17.5°	658.7	658.8	654.0	655.1	654.0	658.8	658.7	666.3	671.2	681.8	693.7
20°	625.7	622.6	623.1	621.8	623.1	622.6	625.7	634.8	640.0	647.3	660.4
22.5°	602.8	599.1	596.1	593.4	596.1	599.1	602.8	605.3	612.3	619.3	629.8
25°	564.1	561.5	557.6	556.8	557.6	561.5	564.1	568.0	571.5	580.6	587.1
27.5°	530.1	529.6	528.1	526.0	528.1	529.6	530.1	533.6	538.1	543.9	552.1
30°	510.4	509.5	508.6	507.3	508.6	509.5	510.4	513.8	517.3	522.0	528.6
32.5°	492.7	492.1	491.3	491.4	491.3	492.1	492.7	494.4	496.5	502.6	507.8
35°	467.4	467.0	466.1	465.7	466.1	467.0	467.4	469.1	470.4	472.2	476.5
37.5°	443.8	445.0	444.4	444.3	444.4	445.0	443.8	444.3	442.9	446.0	449.0
40°	427.5	428.0	428.8	428.4	428.8	428.0	427.5	428.0	428.0	428.0	430.6
42.5°	414.0	414.1	415.3	413.8	415.3	414.1	414.0	412.4	410.3	410.6	411.5
45°	389.8	392.4	392.0	392.0	392.0	392.4	389.8	386.8	386.4	384.6	384.6
47.5°	363.4	365.6	366.2	366.2	366.2	365.6	363.4	362.2	360.3	358.5	358.3
50°	346.0	345.1	346.4	346.0	346.4	345.1	346.0	343.8	340.8	340.8	340.0
52.5°	324.9	325.1	325.0	324.5	325.0	325.1	324.9	323.8	322.5	321.1	320.5
55°	292.3	292.7	291.8	292.3	291.8	292.7	292.3	291.8	291.8	291.0	291.8
57.5°	256.9	254.8	255.7	254.6	255.7	254.8	256.9	258.8	259.5	259.7	261.0
60°	231.5	228.0	227.2	225.5	227.2	228.0	231.5	235.9	237.6	238.5	239.8
62.5°	203.1	200.6	197.7	199.1	197.7	200.6	203.1	207.8	211.6	214.6	217.6
65°	165.2	163.5	162.2	163.9	162.2	163.5	165.2	168.7	172.1	179.0	185.6
67.5°	136.7	135.8	135.8	134.9	135.8	135.8	136.7	138.5	140.6	144.5	150.6
70°	121.8	120.6	120.6	119.7	120.6	120.6	121.8	121.8	124.0	125.7	130.1
72.5°	106.6	105.3	105.7	105.1	105.7	105.3	106.6	107.0	109.1	109.8	111.7
75°	78.9	76.7	76.7	77.2	76.7	76.7	78.9	81.5	83.6	87.6	88.5
77.5°	58.9	58.5	59.0	58.3	59.0	58.5	58.9	58.9	59.4	61.1	62.6
80°	48.1	47.7	47.3	48.6	47.3	47.7	48.1	48.1	48.6	49.0	49.4
82.5°	37.3	37.3	37.2	38.9	37.2	37.3	37.3	38.1	38.2	37.9	38.3
85°	22.6	21.7	22.6	21.7	22.6	21.7	22.6	22.1	22.6	22.1	22.6
87.5°	15.0	14.8	14.5	15.0	14.5	14.8	15.0	14.2	14.0	14.3	13.7
90°	35.2	35.8	36.4	36.9	36.4	35.8	35.2	34.7	33.6	32.0	30.3
92.5°	33.6	33.8	33.8	33.9	33.8	33.8	33.6	33.5	32.6	31.0	29.4
95°	34.8	35.1	35.4	35.6	35.4	35.1	34.8	34.6	33.6	32.0	30.3
97.5°	33.6	33.9	34.2	34.4	34.2	33.9	33.6	33.3	33.1	32.9	32.8
100°	33.6	33.9	34.2	34.4	34.2	33.9	33.6	33.3	35.5	40.2	44.8
102.5°	35.2	35.3	35.4	35.4	35.4	35.3	35.2	35.2	60.3	110.3	160.5
105°	379.9	370.1	360.3	350.4	360.3	370.1	379.9	389.7	393.5	391.0	388.5
107.5°	485.3	486.2	487.3	488.4	487.3	486.2	485.3	484.2	483.1	481.9	480.7
110°	545.9	546.7	547.6	548.4	547.6	546.7	545.9	545.1	544.4	543.9	543.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	605.3	606.3	607.3	608.4	607.3	606.3	605.3	604.2	603.7	603.8	604.0
115°	695.9	695.9	695.9	695.9	695.9	695.9	695.9	695.9	695.6	695.0	694.6
117.5°	785.2	785.1	785.1	784.9	785.1	785.1	785.2	785.4	785.5	785.5	785.7
120°	842.6	842.0	841.6	841.0	841.6	842.0	842.6	843.2	843.2	842.6	842.0
122.5°	897.7	897.2	896.6	896.1	896.6	897.2	897.7	898.2	898.4	898.1	897.7
125°	977.9	978.1	978.4	978.7	978.4	978.1	977.9	977.6	977.1	976.2	975.4
127.5°	1051.9	1051.7	1051.4	1051.2	1051.4	1051.7	1051.9	1052.1	1052.3	1052.5	1052.6
130°	1100.4	1100.4	1100.4	1100.4	1100.4	1100.4	1100.4	1100.4	1100.2	1100.0	1099.8
132.5°	1146.3	1146.1	1145.9	1145.7	1145.9	1146.1	1146.3	1146.6	1146.5	1146.2	1146.0
135°	1211.9	1212.4	1213.0	1213.5	1213.0	1212.4	1211.9	1211.4	1210.8	1210.2	1209.7
137.5°	1272.0	1271.9	1271.7	1271.5	1271.7	1271.9	1272.0	1272.2	1272.0	1271.4	1270.8
140°	1311.1	1311.3	1311.6	1311.9	1311.6	1311.3	1311.1	1310.8	1310.3	1309.5	1308.6
142.5°	1345.2	1345.2	1345.2	1345.3	1345.2	1345.2	1345.2	1345.1	1344.8	1344.2	1343.6
145°	1395.1	1395.6	1396.2	1396.7	1396.2	1395.6	1395.1	1394.6	1394.1	1393.8	1393.6
147.5°	1438.4	1438.7	1439.0	1439.2	1439.0	1438.7	1438.4	1438.2	1437.9	1437.7	1437.5
150°	1466.0	1466.2	1466.6	1466.8	1466.6	1466.2	1466.0	1465.7	1465.6	1465.6	1465.6
152.5°	1490.9	1490.7	1490.5	1490.4	1490.5	1490.7	1490.9	1491.0	1490.9	1490.4	1490.0
155°	1524.6	1523.8	1523.0	1522.2	1523.0	1523.8	1524.6	1525.4	1525.3	1524.2	1523.1
157.5°	1553.0	1551.5	1550.1	1548.7	1550.1	1551.5	1553.0	1554.4	1554.4	1553.0	1551.5
160°	1571.3	1569.7	1568.1	1566.4	1568.1	1569.7	1571.3	1573.0	1573.0	1571.3	1569.7
162.5°	1585.8	1583.9	1582.0	1580.1	1582.0	1583.9	1585.8	1587.6	1587.7	1586.1	1584.5
165°	1607.0	1604.5	1602.1	1599.6	1602.1	1604.5	1607.0	1609.4	1609.6	1607.4	1605.2
167.5°	1622.3	1619.6	1616.8	1614.1	1616.8	1619.6	1622.3	1625.1	1625.2	1622.8	1620.4
170°	1631.2	1628.4	1625.7	1622.9	1625.7	1628.4	1631.2	1633.9	1634.2	1632.0	1629.8
172.5°	1636.7	1633.8	1630.8	1627.8	1630.8	1633.8	1636.7	1639.6	1640.1	1637.9	1635.7
175°	1643.8	1640.5	1637.3	1634.0	1637.3	1640.5	1643.8	1647.1	1647.6	1645.1	1642.6
177.5°	1645.8	1643.2	1640.5	1637.9	1640.5	1643.2	1645.8	1648.5	1648.9	1647.1	1645.4
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8



TEST NUMBER: P333071-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1029.4	1031.8	1037.4	1043.6	1048.8	1053.3	1056.8	1061.6	1066.2	1072.4	1078.3
5°	966.9	973.0	981.7	992.1	1005.1	1013.7	1024.6	1034.1	1048.0	1061.9	1075.4
7.5°	912.2	918.8	931.6	946.0	961.4	975.6	988.5	1005.3	1023.7	1043.8	1066.4
10°	876.8	884.1	899.3	915.7	934.0	947.9	965.2	985.1	1006.0	1030.7	1058.4
12.5°	844.8	851.8	870.2	887.0	905.9	921.1	941.3	961.6	989.3	1016.1	1047.7
15°	782.7	801.3	822.1	842.0	864.6	883.3	907.5	928.4	954.8	992.5	1028.5
17.5°	713.6	733.5	759.4	790.1	820.4	843.4	868.0	893.9	925.4	963.9	1005.4
20°	673.4	689.4	718.0	752.3	787.4	819.5	842.0	870.7	903.2	944.9	987.7
22.5°	643.2	656.8	679.2	713.5	751.4	788.6	817.4	845.7	881.7	923.3	970.0
25°	597.9	612.7	632.2	655.6	699.0	738.4	776.2	808.7	846.9	888.4	940.5
27.5°	560.3	573.2	591.0	615.4	644.5	688.0	733.8	770.9	810.0	854.7	906.8
30°	538.1	548.5	563.3	588.0	615.7	654.8	701.2	744.5	784.0	830.4	884.5
32.5°	514.9	525.9	540.4	559.9	589.7	622.5	668.9	716.4	758.3	805.8	858.9
35°	483.9	492.6	505.6	525.5	552.4	581.1	622.2	671.2	715.4	766.2	816.9
37.5°	452.6	462.8	473.0	490.8	512.9	543.6	577.4	627.5	676.5	722.8	772.3
40°	434.9	441.0	452.2	466.6	490.0	517.3	548.9	597.9	646.9	692.9	742.7
42.5°	415.2	421.9	431.5	445.7	466.8	493.3	524.3	566.7	617.8	662.3	707.8
45°	387.7	391.5	401.0	413.2	430.6	457.5	486.1	523.8	571.9	614.4	654.3
47.5°	359.9	363.3	369.2	380.3	399.8	421.3	448.2	482.0	524.2	566.7	600.5
50°	340.8	343.8	349.5	359.9	377.2	398.5	424.9	455.3	493.0	533.8	562.0
52.5°	321.7	323.3	328.6	340.5	355.1	375.9	399.6	427.5	462.8	496.7	525.2
55°	291.4	295.3	298.7	307.4	321.3	341.3	362.5	389.0	416.3	444.9	469.1
57.5°	259.8	264.0	269.0	276.6	287.6	306.2	325.3	346.7	370.1	393.8	414.2
60°	238.9	242.8	247.1	255.8	265.8	280.5	301.3	320.0	337.8	359.5	379.8
62.5°	218.4	222.3	227.4	234.3	243.9	258.0	275.3	291.6	310.1	329.0	344.1
65°	188.2	191.2	195.1	201.6	210.8	223.3	237.6	250.2	266.7	280.5	294.4
67.5°	155.0	160.8	165.9	171.2	178.9	190.6	201.0	213.0	224.2	234.5	247.1
70°	133.1	139.7	144.4	150.0	157.4	167.4	177.3	185.6	194.7	204.6	216.0
72.5°	114.7	119.8	123.6	129.6	136.2	145.5	154.8	161.7	169.0	175.9	186.8
75°	90.7	92.8	95.4	100.2	106.2	113.2	120.6	126.6	130.9	137.1	144.8
77.5°	65.1	69.3	71.0	74.4	78.8	83.1	88.0	93.0	97.2	99.4	105.3
80°	49.9	51.6	53.3	58.1	60.7	65.1	68.5	73.3	75.0	77.2	82.8
82.5°	38.7	39.8	40.8	42.2	43.7	48.0	51.5	54.5	56.3	57.1	61.3
85°	22.6	23.0	23.4	23.9	24.3	24.3	26.0	28.2	31.2	31.2	32.5
87.5°	13.4	13.4	13.0	12.1	12.4	12.0	11.8	11.3	11.7	12.1	12.6
90°	28.7	27.1	24.9	22.7	20.5	18.3	15.7	12.7	9.7	6.7	3.7
92.5°	27.7	26.1	23.9	21.7	19.5	17.3	16.1	16.0	15.8	15.7	15.5
95°	28.7	27.1	26.7	26.5	26.3	25.9	30.5	39.8	49.1	58.3	67.6
97.5°	32.6	32.4	62.9	93.4	123.9	154.4	166.8	161.0	155.2	149.4	143.6
100°	49.5	54.1	91.8	129.5	167.2	204.9	221.3	216.4	211.5	206.6	201.6
102.5°	210.5	260.7	265.5	270.5	275.4	280.3	281.0	277.4	273.8	270.2	266.5
105°	386.0	383.6	382.2	380.9	379.5	378.1	376.7	375.0	373.3	371.7	370.1
107.5°	479.5	478.3	476.4	474.6	472.7	470.8	469.5	468.7	467.9	467.1	466.2
110°	542.7	542.2	540.5	538.9	537.3	535.7	534.4	533.6	532.8	532.0	531.2



TEST NUMBER: P333071-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	604.1	604.2	603.4	602.7	601.9	601.1	600.0	598.5	597.0	595.6	594.1
115°	694.0	693.4	693.7	694.0	694.2	694.6	694.2	693.4	692.6	691.8	691.0
117.5°	785.8	785.9	785.3	784.7	784.1	783.5	782.7	781.5	780.5	779.3	778.3
120°	841.6	841.0	841.2	841.6	841.8	842.0	841.6	840.6	839.5	838.4	837.3
122.5°	897.4	897.1	896.7	896.3	895.9	895.5	895.0	894.3	893.6	893.0	892.3
125°	974.6	973.8	974.3	974.9	975.4	975.9	975.7	974.6	973.5	972.4	971.3
127.5°	1052.8	1053.0	1051.7	1050.4	1049.2	1047.9	1047.2	1046.8	1046.6	1046.4	1046.0
130°	1099.4	1099.2	1098.4	1097.6	1096.7	1095.9	1095.4	1095.1	1094.8	1094.5	1094.3
132.5°	1145.7	1145.4	1144.4	1143.3	1142.3	1141.3	1140.5	1140.0	1139.5	1139.0	1138.5
135°	1209.2	1208.6	1207.5	1206.4	1205.3	1204.2	1203.8	1204.1	1204.4	1204.6	1204.9
137.5°	1270.2	1269.6	1268.4	1267.2	1266.0	1264.8	1264.1	1264.0	1263.9	1263.8	1263.7
140°	1307.8	1306.9	1306.4	1305.9	1305.3	1304.8	1304.2	1303.7	1303.2	1302.6	1302.0
142.5°	1343.0	1342.4	1342.1	1341.7	1341.4	1341.1	1340.4	1339.5	1338.5	1337.4	1336.4
145°	1393.3	1393.0	1393.0	1393.0	1393.0	1393.0	1392.6	1391.8	1391.0	1390.2	1389.4
147.5°	1437.3	1437.0	1437.3	1437.6	1437.9	1438.1	1437.5	1436.0	1434.4	1432.9	1431.4
150°	1465.6	1465.6	1465.8	1466.2	1466.4	1466.6	1466.2	1465.2	1464.0	1463.0	1461.9
152.5°	1489.6	1489.1	1489.6	1490.1	1490.6	1491.2	1490.9	1490.0	1489.2	1488.3	1487.4
155°	1522.0	1520.9	1521.8	1522.6	1523.4	1524.2	1524.4	1524.2	1523.9	1523.6	1523.4
157.5°	1550.1	1548.7	1549.6	1550.5	1551.4	1552.4	1553.0	1553.1	1553.3	1553.5	1553.6
160°	1568.1	1566.4	1566.7	1566.9	1567.2	1567.5	1568.1	1568.9	1569.7	1570.5	1571.3
162.5°	1582.7	1581.1	1581.4	1581.7	1581.9	1582.3	1582.9	1584.0	1584.9	1586.0	1587.1
165°	1603.0	1600.8	1600.8	1600.8	1600.8	1600.8	1601.5	1602.9	1604.3	1605.6	1607.0
167.5°	1618.0	1615.6	1615.8	1615.9	1616.1	1616.2	1617.0	1618.5	1619.8	1621.3	1622.7
170°	1627.6	1625.4	1625.1	1624.9	1624.6	1624.3	1625.0	1626.6	1628.2	1629.9	1631.6
172.5°	1633.5	1631.3	1631.0	1630.8	1630.5	1630.2	1630.9	1632.6	1634.2	1635.8	1637.4
175°	1640.1	1637.7	1637.4	1637.1	1636.9	1636.6	1637.3	1638.9	1640.5	1642.2	1643.8
177.5°	1643.6	1641.8	1641.4	1641.0	1640.5	1640.1	1640.7	1642.2	1643.7	1645.3	1646.8
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8



TEST NUMBER: P333071-930

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1082.8	1085.9	1089.4	1096.0	1101.6	1104.0	1108.8	1112.3	1111.3	1116.1	1124.5
5°	1087.0	1098.8	1112.2	1126.1	1141.7	1154.7	1165.1	1175.5	1183.7	1193.7	1208.4
7.5°	1086.4	1107.2	1129.8	1154.7	1180.3	1202.4	1222.9	1243.7	1262.2	1282.4	1308.8
10°	1083.6	1111.3	1139.5	1172.1	1204.5	1235.3	1263.1	1289.2	1313.9	1340.3	1373.7
12.5°	1080.4	1112.4	1146.5	1185.5	1226.0	1263.1	1295.7	1333.2	1364.2	1398.2	1436.8
15°	1066.7	1109.6	1156.0	1206.7	1255.3	1305.1	1349.8	1395.8	1438.7	1479.4	1528.0
17.5°	1050.9	1100.4	1155.1	1215.0	1273.4	1334.0	1387.0	1445.0	1488.8	1543.5	1588.6
20°	1038.0	1091.4	1149.9	1217.2	1283.4	1350.7	1409.2	1468.2	1517.6	1572.7	1629.9
22.5°	1022.5	1081.0	1144.4	1214.0	1283.4	1356.9	1421.7	1480.3	1541.6	1603.5	1662.6
25°	997.3	1058.0	1125.2	1201.5	1281.3	1356.3	1425.7	1498.5	1564.5	1631.7	1684.6
27.5°	966.5	1030.1	1101.0	1179.7	1261.6	1338.5	1420.2	1497.8	1564.1	1628.8	1675.0
30°	941.8	1009.0	1077.1	1156.8	1241.9	1324.2	1411.9	1489.5	1559.3	1617.4	1643.4
32.5°	916.5	980.2	1050.4	1131.2	1218.2	1306.9	1393.8	1473.2	1537.7	1572.6	1573.3
35°	872.5	932.2	1005.1	1084.4	1173.8	1270.1	1358.0	1436.1	1475.5	1478.6	1436.1
37.5°	824.3	879.3	948.0	1027.4	1125.3	1221.1	1311.0	1363.0	1376.1	1332.0	1253.4
40°	790.0	840.7	907.1	988.6	1085.7	1184.6	1266.6	1304.7	1290.9	1219.3	1131.7
42.5°	754.0	801.2	865.1	945.6	1043.1	1143.0	1212.8	1233.3	1196.5	1113.9	1011.4
45°	695.0	738.4	801.8	882.8	976.5	1070.2	1123.1	1112.6	1051.5	953.5	838.6
47.5°	633.7	675.6	732.6	807.6	903.5	984.4	1020.2	988.8	901.8	794.0	700.5
50°	593.2	636.1	688.6	760.1	847.7	925.8	948.8	901.1	804.4	700.7	614.8
52.5°	553.3	590.0	641.4	710.5	794.3	860.2	872.5	817.4	717.6	624.8	548.6
55°	492.6	525.9	569.3	634.4	706.8	762.7	756.2	685.5	594.9	515.6	455.8
57.5°	433.9	459.0	499.0	560.0	623.6	661.1	637.4	577.2	492.7	427.7	377.2
60°	395.0	418.4	455.8	509.1	565.0	586.2	566.3	500.8	434.1	374.6	332.2
62.5°	358.2	378.9	411.0	460.5	505.6	518.3	496.9	439.8	379.6	328.8	293.7
65°	304.8	323.9	351.2	386.4	417.6	423.6	409.8	351.2	305.7	263.2	238.9
67.5°	256.3	268.8	290.2	320.5	337.1	340.6	313.8	277.0	236.9	210.8	192.5
70°	223.7	232.4	252.3	268.8	282.3	282.7	258.0	228.5	197.7	176.5	163.1
72.5°	192.2	200.5	215.6	226.9	237.2	233.8	211.2	187.9	163.1	147.0	137.1
75°	148.3	155.6	163.5	168.7	168.7	164.4	147.9	130.5	116.2	106.6	103.6
77.5°	107.8	113.9	116.5	115.7	114.1	107.4	96.9	85.6	80.5	76.0	73.7
80°	84.5	87.2	88.1	85.9	83.2	75.4	68.5	63.8	58.9	57.2	56.3
82.5°	62.7	65.0	62.7	63.3	57.6	51.2	47.4	45.7	43.7	43.0	42.2
85°	33.4	32.9	32.1	29.9	26.0	25.1	24.7	24.3	23.4	23.9	23.0
87.5°	12.8	12.3	11.6	11.8	12.3	12.1	12.9	13.3	13.7	13.7	14.8
90°	6.7	9.7	12.7	15.7	18.3	20.5	22.7	24.9	27.1	28.7	30.3
92.5°	15.7	15.8	16.0	16.1	17.3	19.5	21.7	23.9	26.1	27.7	29.4
95°	58.3	49.1	39.8	30.5	25.9	26.3	26.5	26.7	27.1	28.7	30.3
97.5°	149.4	155.2	161.0	166.8	154.4	123.9	93.4	62.9	32.4	32.6	32.8
100°	206.6	211.5	216.4	221.3	204.9	167.2	129.5	91.8	54.1	49.5	44.8
102.5°	270.2	273.8	277.4	281.0	280.3	275.4	270.5	265.5	260.7	210.5	160.5
105°	371.7	373.3	375.0	376.7	378.1	379.5	380.9	382.2	383.6	386.0	388.5
107.5°	467.1	467.9	468.7	469.5	470.8	472.7	474.6	476.4	478.3	479.5	480.7
110°	532.0	532.8	533.6	534.4	535.7	537.3	538.9	540.5	542.2	542.7	543.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	595.6	597.0	598.5	600.0	601.1	601.9	602.7	603.4	604.2	604.1	604.0
115°	691.8	692.6	693.4	694.2	694.6	694.2	694.0	693.7	693.4	694.0	694.6
117.5°	779.3	780.5	781.5	782.7	783.5	784.1	784.7	785.3	785.9	785.8	785.7
120°	838.4	839.5	840.6	841.6	842.0	841.8	841.6	841.2	841.0	841.6	842.0
122.5°	893.0	893.6	894.3	895.0	895.5	895.9	896.3	896.7	897.1	897.4	897.7
125°	972.4	973.5	974.6	975.7	975.9	975.4	974.9	974.3	973.8	974.6	975.4
127.5°	1046.4	1046.6	1046.8	1047.2	1047.9	1049.2	1050.4	1051.7	1053.0	1052.8	1052.6
130°	1094.5	1094.8	1095.1	1095.4	1095.9	1096.7	1097.6	1098.4	1099.2	1099.4	1099.8
132.5°	1139.0	1139.5	1140.0	1140.5	1141.3	1142.3	1143.3	1144.4	1145.4	1145.7	1146.0
135°	1204.6	1204.4	1204.1	1203.8	1204.2	1205.3	1206.4	1207.5	1208.6	1209.2	1209.7
137.5°	1263.8	1263.9	1264.0	1264.1	1264.8	1266.0	1267.2	1268.4	1269.6	1270.2	1270.8
140°	1302.6	1303.2	1303.7	1304.2	1304.8	1305.3	1305.9	1306.4	1306.9	1307.8	1308.6
142.5°	1337.4	1338.5	1339.5	1340.4	1341.1	1341.4	1341.7	1342.1	1342.4	1343.0	1343.6
145°	1390.2	1391.0	1391.8	1392.6	1393.0	1393.0	1393.0	1393.0	1393.0	1393.3	1393.6
147.5°	1432.9	1434.4	1436.0	1437.5	1438.1	1437.9	1437.6	1437.3	1437.0	1437.3	1437.5
150°	1463.0	1464.0	1465.2	1466.2	1466.6	1466.4	1466.2	1465.8	1465.6	1465.6	1465.6
152.5°	1488.3	1489.2	1490.0	1490.9	1491.2	1490.6	1490.1	1489.6	1489.1	1489.6	1490.0
155°	1523.6	1523.9	1524.2	1524.4	1524.2	1523.4	1522.6	1521.8	1520.9	1522.0	1523.1
157.5°	1553.5	1553.3	1553.1	1553.0	1552.4	1551.4	1550.5	1549.6	1548.7	1550.1	1551.5
160°	1570.5	1569.7	1568.9	1568.1	1567.5	1567.2	1566.9	1566.7	1566.4	1568.1	1569.7
162.5°	1586.0	1584.9	1584.0	1582.9	1582.3	1581.9	1581.7	1581.4	1581.1	1582.7	1584.5
165°	1605.6	1604.3	1602.9	1601.5	1600.8	1600.8	1600.8	1600.8	1600.8	1603.0	1605.2
167.5°	1621.3	1619.8	1618.5	1617.0	1616.2	1616.1	1615.9	1615.8	1615.6	1618.0	1620.4
170°	1629.9	1628.2	1626.6	1625.0	1624.3	1624.6	1624.9	1625.1	1625.4	1627.6	1629.8
172.5°	1635.8	1634.2	1632.6	1630.9	1630.2	1630.5	1630.8	1631.0	1631.3	1633.5	1635.7
175°	1642.2	1640.5	1638.9	1637.3	1636.6	1636.9	1637.1	1637.4	1637.7	1640.1	1642.6
177.5°	1645.3	1643.7	1642.2	1640.7	1640.1	1640.5	1641.0	1641.4	1641.8	1643.6	1645.4
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1128.9	1130.3	1131.4	1134.8	1135.1	1138.3	1135.1
5°	1222.3	1228.4	1238.0	1247.5	1248.4	1254.4	1243.6
7.5°	1327.1	1341.2	1349.9	1365.3	1371.4	1375.2	1369.0
10°	1399.2	1412.3	1435.3	1446.5	1457.8	1459.5	1454.3
12.5°	1469.0	1489.6	1507.7	1529.1	1528.5	1543.9	1538.2
15°	1561.9	1583.1	1608.3	1632.1	1640.8	1640.8	1647.7
17.5°	1628.1	1667.0	1693.1	1711.8	1732.3	1735.8	1733.4
20°	1672.8	1714.9	1742.7	1766.9	1780.9	1784.7	1784.7
22.5°	1706.2	1742.0	1769.0	1790.9	1802.3	1806.9	1805.6
25°	1729.2	1760.0	1776.5	1783.0	1786.0	1785.2	1776.9
27.5°	1697.6	1696.2	1685.9	1665.9	1650.9	1641.8	1631.4
30°	1637.3	1614.8	1588.8	1560.1	1523.2	1495.1	1486.4
32.5°	1547.4	1496.8	1452.8	1405.1	1365.5	1337.3	1325.4
35°	1373.7	1293.5	1228.0	1170.8	1129.1	1103.1	1094.5
37.5°	1167.4	1089.8	1008.8	953.2	918.8	892.4	882.6
40°	1036.3	951.8	881.1	829.1	793.5	767.9	767.5
42.5°	916.6	835.9	769.4	731.9	693.6	676.7	676.6
45°	750.6	686.0	629.6	600.1	577.2	563.3	559.4
47.5°	621.4	568.0	530.4	507.0	488.2	479.4	473.7
50°	548.9	502.1	472.2	451.8	441.4	430.2	429.3
52.5°	488.6	450.8	427.5	410.9	397.7	390.9	391.1
55°	410.6	380.7	364.2	351.6	341.3	336.1	333.9
57.5°	345.9	323.5	311.5	299.9	295.5	291.5	290.3
60°	305.7	290.5	279.2	270.1	263.7	262.4	261.9
62.5°	272.4	256.5	248.7	241.7	236.9	234.9	234.2
65°	224.6	212.9	205.9	200.3	198.6	195.6	195.1
67.5°	181.1	174.1	169.4	165.6	163.2	163.1	163.1
70°	154.3	150.4	146.6	144.4	143.1	142.2	142.2
72.5°	131.5	128.6	125.4	124.3	124.0	123.1	122.8
75°	100.2	97.1	97.6	95.4	93.7	91.5	90.2
77.5°	71.0	68.9	68.4	68.2	66.7	66.4	67.1
80°	55.0	52.9	52.5	52.9	52.5	51.2	51.2
82.5°	41.9	40.0	39.6	39.4	39.0	39.4	38.6
85°	22.6	21.7	21.7	21.7	22.6	22.1	21.7
87.5°	14.3	14.3	14.9	14.7	14.8	14.5	15.0
90°	32.0	33.6	34.7	35.2	35.8	36.4	36.9
92.5°	31.0	32.6	33.5	33.6	33.8	33.8	33.9
95°	32.0	33.6	34.6	34.8	35.1	35.4	35.6
97.5°	32.9	33.1	33.3	33.6	33.9	34.2	34.4
100°	40.2	35.5	33.3	33.6	33.9	34.2	34.4
102.5°	110.3	60.3	35.2	35.2	35.3	35.4	35.4
105°	391.0	393.5	389.7	379.9	370.1	360.3	350.4
107.5°	481.9	483.1	484.2	485.3	486.2	487.3	488.4
110°	543.9	544.4	545.1	545.9	546.7	547.6	548.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	603.8	603.7	604.2	605.3	606.3	607.3	608.4
115°	695.0	695.6	695.9	695.9	695.9	695.9	695.9
117.5°	785.5	785.5	785.4	785.2	785.1	785.1	784.9
120°	842.6	843.2	843.2	842.6	842.0	841.6	841.0
122.5°	898.1	898.4	898.2	897.7	897.2	896.6	896.1
125°	976.2	977.1	977.6	977.9	978.1	978.4	978.7
127.5°	1052.5	1052.3	1052.1	1051.9	1051.7	1051.4	1051.2
130°	1100.0	1100.2	1100.4	1100.4	1100.4	1100.4	1100.4
132.5°	1146.2	1146.5	1146.6	1146.3	1146.1	1145.9	1145.7
135°	1210.2	1210.8	1211.4	1211.9	1212.4	1213.0	1213.5
137.5°	1271.4	1272.0	1272.2	1272.0	1271.9	1271.7	1271.5
140°	1309.5	1310.3	1310.8	1311.1	1311.3	1311.6	1311.9
142.5°	1344.2	1344.8	1345.1	1345.2	1345.2	1345.2	1345.3
145°	1393.8	1394.1	1394.6	1395.1	1395.6	1396.2	1396.7
147.5°	1437.7	1437.9	1438.2	1438.4	1438.7	1439.0	1439.2
150°	1465.6	1465.6	1465.7	1466.0	1466.2	1466.6	1466.8
152.5°	1490.4	1490.9	1491.0	1490.9	1490.7	1490.5	1490.4
155°	1524.2	1525.3	1525.4	1524.6	1523.8	1523.0	1522.2
157.5°	1553.0	1554.4	1554.4	1553.0	1551.5	1550.1	1548.7
160°	1571.3	1573.0	1573.0	1571.3	1569.7	1568.1	1566.4
162.5°	1586.1	1587.7	1587.6	1585.8	1583.9	1582.0	1580.1
165°	1607.4	1609.6	1609.4	1607.0	1604.5	1602.1	1599.6
167.5°	1622.8	1625.2	1625.1	1622.3	1619.6	1616.8	1614.1
170°	1632.0	1634.2	1633.9	1631.2	1628.4	1625.7	1622.9
172.5°	1637.9	1640.1	1639.6	1636.7	1633.8	1630.8	1627.8
175°	1645.1	1647.6	1647.1	1643.8	1640.5	1637.3	1634.0
177.5°	1647.1	1648.9	1648.5	1645.8	1643.2	1640.5	1637.9
180°	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8	1643.8

(END OF REPORT)