

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: P333072-930

Luminaire Tested: **S124RDIW-S795D1560U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333072-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
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-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7135.2 lumens  
Efficiency: N/A  
Efficacy: 104.8 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

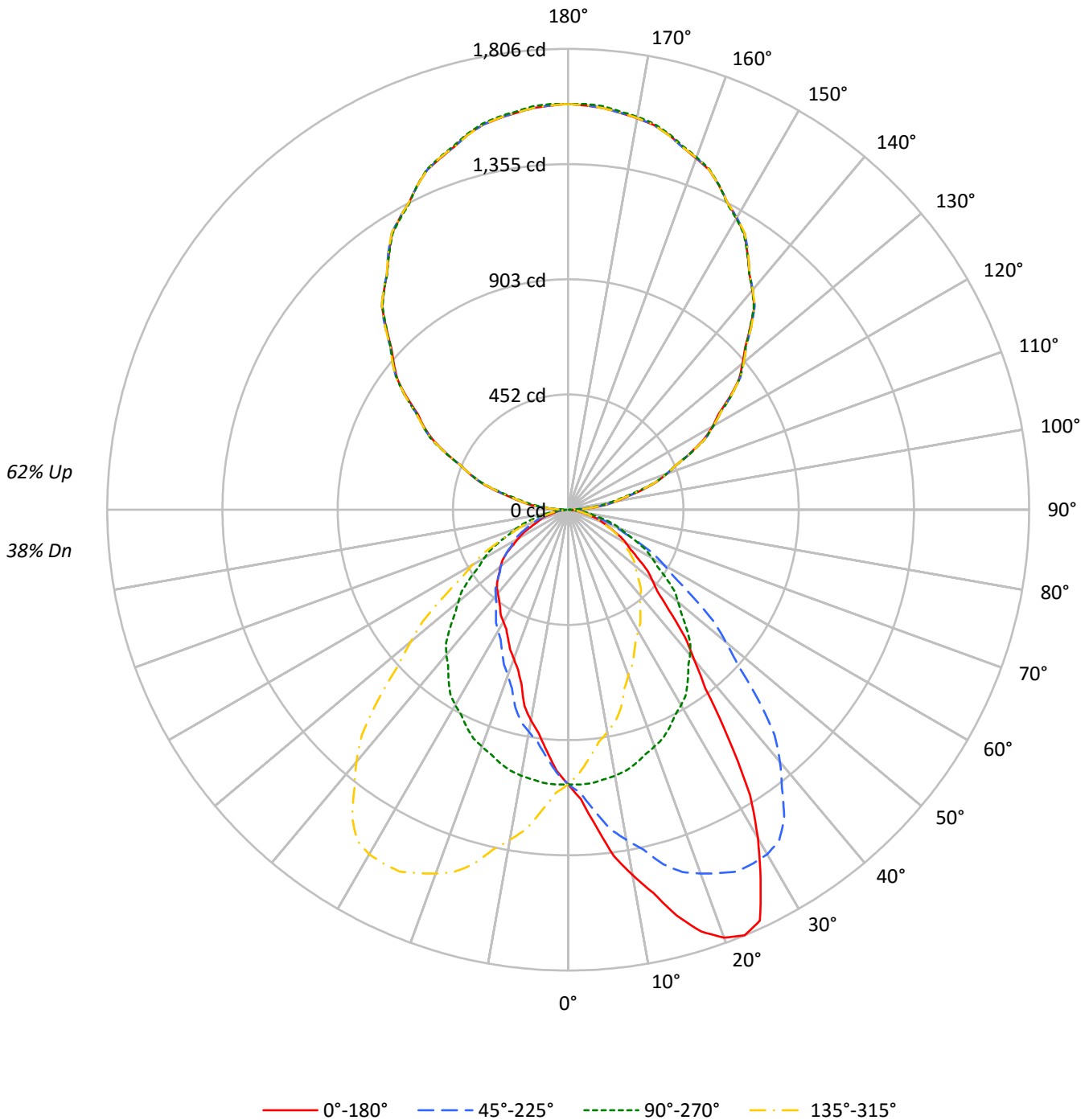
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	88	84	87	83	80	77	68	66	64	54	52	51	41	40	39	33
2	87	80	74	69	79	73	68	64	60	56	53	47	45	43	36	35	33	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24
4	73	63	55	49	66	57	51	46	47	42	39	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	28	26	24	22	18
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	15
8	53	41	34	28	48	38	31	27	32	26	23	26	22	19	20	17	16	13
9	49	37	30	25	45	35	28	24	29	24	20	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	17	15	13	11

**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	1.5
10°-20°	314.5	4.4
20°-30°	492.0	6.9
30°-40°	546.9	7.7
40°-50°	485.2	6.8
50°-60°	378.1	5.3
60°-70°	247.6	3.5
70°-80°	121.7	1.7
80°-90°	34.8	0.5
90°-100°	104.8	1.5
100°-110°	310.6	4.4
110°-120°	527.1	7.4
120°-130°	695.1	9.7
130°-140°	780.6	10.9
140°-150°	767.1	10.8
150°-160°	645.2	9.0
160°-170°	429.2	6.0
170°-180°	150.3	2.1
0°-30°	910.8	12.8
0°-40°	1457.7	20.4
0°-60°	2321.1	32.5
0°-90°	2725.2	38.2
90°-120°	942.5	13.2
90°-150°	3185.3	44.6
90°-180°	4410.0	61.8
0°-180°	7135.2	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	20
95°	97	74	97	74	97	101
105°	300	286	300	286	300	316
115°	531	536	531	536	531	525
125°	774	781	774	781	774	691
135°	1008	1007	1008	1007	1008	778
145°	1224	1223	1224	1223	1224	766
155°	1400	1401	1400	1401	1400	645
165°	1522	1526	1522	1526	1522	429
175°	1580	1587	1580	1587	1580	150
180°	1590	1590	1590	1590	1590	



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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°	54.5	54.2	53.9	53.6	53.2	52.6	51.6	50.6	49.7	48.7	47.1
95°	97.1	97.1	97.1	97.1	97.1	96.7	95.9	95.1	94.2	93.4	91.6
97.5°	152.2	152.2	152.2	152.2	152.2	151.7	150.7	149.8	148.7	147.7	145.5
100°	190.5	190.5	190.5	190.5	190.5	190.3	189.7	189.1	188.7	188.1	185.6
102.5°	233.8	233.6	233.4	233.2	232.9	232.4	231.7	230.9	230.2	229.4	227.1
105°	299.9	299.1	298.3	297.5	296.7	295.9	295.1	294.2	293.4	292.6	291.5
107.5°	364.4	364.4	364.5	364.5	364.6	364.3	363.5	362.7	361.9	361.2	361.0
110°	410.6	409.8	409.0	408.1	407.3	407.2	407.7	408.3	408.8	409.4	409.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	457.8	457.6	457.5	457.3	457.1	457.1	457.2	457.3	457.5	457.5	458.0
115°	531.1	531.3	531.7	531.9	532.1	532.5	532.7	533.0	533.3	533.5	534.1
117.5°	600.9	601.4	602.0	602.5	603.1	603.8	604.8	605.7	606.6	607.6	607.9
120°	654.0	653.5	652.9	652.4	651.8	652.2	653.6	654.9	656.3	657.7	658.5
122.5°	698.3	699.3	700.3	701.2	702.2	703.2	704.1	705.0	706.0	706.9	707.3
125°	774.5	775.0	775.6	776.1	776.7	777.2	777.8	778.3	778.9	779.4	779.7
127.5°	845.1	845.5	846.0	846.4	846.8	847.3	847.8	848.4	848.9	849.5	849.9
130°	891.3	892.3	893.5	894.5	895.6	896.4	897.0	897.6	898.1	898.6	898.6
132.5°	940.4	940.9	941.3	941.8	942.2	942.6	943.2	943.8	944.4	944.9	945.1
135°	1008.0	1008.9	1009.7	1010.5	1011.3	1012.0	1012.6	1013.1	1013.7	1014.2	1014.2
137.5°	1079.1	1079.0	1078.8	1078.6	1078.5	1078.7	1079.5	1080.2	1080.8	1081.6	1081.2
140°	1122.4	1122.7	1122.9	1123.2	1123.5	1123.7	1124.1	1124.3	1124.5	1124.9	1124.9
142.5°	1165.6	1165.7	1165.8	1165.8	1165.9	1166.0	1166.0	1166.0	1166.1	1166.1	1166.4
145°	1224.4	1225.2	1226.0	1226.9	1227.7	1228.2	1228.5	1228.8	1229.1	1229.3	1229.1
147.5°	1283.9	1284.2	1284.5	1284.7	1285.0	1285.2	1285.5	1285.7	1285.9	1286.1	1286.4
150°	1320.3	1320.6	1320.9	1321.1	1321.4	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5
152.5°	1353.7	1354.5	1355.2	1355.8	1356.6	1356.6	1355.9	1355.3	1354.6	1354.0	1353.8
155°	1400.2	1401.3	1402.4	1403.5	1404.6	1404.6	1403.5	1402.4	1401.3	1400.2	1400.5
157.5°	1441.8	1442.7	1443.7	1444.5	1445.4	1445.5	1444.7	1443.9	1443.1	1442.3	1442.3
160°	1465.3	1466.7	1468.1	1469.5	1470.8	1471.1	1470.3	1469.5	1468.7	1467.9	1468.1
162.5°	1490.0	1491.3	1492.7	1494.0	1495.4	1495.3	1493.9	1492.4	1490.9	1489.5	1489.7
165°	1521.9	1523.0	1524.1	1525.2	1526.3	1526.0	1524.4	1522.7	1521.1	1519.5	1520.0
167.5°	1544.7	1546.5	1548.2	1549.9	1551.6	1551.6	1550.0	1548.3	1546.7	1545.1	1545.0
170°	1557.5	1559.5	1561.4	1563.3	1565.2	1565.4	1563.7	1562.1	1560.4	1558.8	1558.5
172.5°	1568.4	1570.3	1572.2	1574.1	1576.1	1576.1	1574.2	1572.4	1570.5	1568.6	1568.6
175°	1579.7	1581.6	1583.6	1585.4	1587.4	1587.4	1585.4	1583.6	1581.6	1579.7	1580.0
177.5°	1585.6	1587.4	1589.1	1590.8	1592.6	1592.7	1591.1	1589.7	1588.1	1586.6	1586.6
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



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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°	45.7	44.1	42.6	40.1	36.6	33.2	29.8	26.3	29.8	33.2	36.6
95°	89.6	87.7	85.8	83.6	81.1	78.7	76.2	73.8	76.2	78.7	81.1
97.5°	143.2	141.0	138.8	136.7	134.8	132.7	130.8	128.8	130.8	132.7	134.8
100°	183.2	180.8	178.2	176.5	175.4	174.3	173.2	172.1	173.2	174.3	175.4
102.5°	224.9	222.7	220.5	219.1	218.7	218.3	217.8	217.4	217.8	218.3	218.7
105°	290.4	289.3	288.2	287.6	287.2	287.0	286.7	286.4	286.7	287.0	287.2
107.5°	360.9	360.7	360.5	360.3	360.0	359.6	359.3	359.0	359.3	359.6	360.0
110°	409.9	410.2	410.5	410.3	409.8	409.2	408.7	408.1	408.7	409.2	409.8





TEST NUMBER: P333072-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.5	459.0	459.5	459.7	459.6	459.5	459.4	459.3	459.4	459.5	459.6
115°	534.6	535.2	535.7	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0
117.5°	608.3	608.7	609.1	609.2	608.9	608.7	608.5	608.3	608.5	608.7	608.9
120°	659.3	660.1	661.0	660.8	659.7	658.7	657.5	656.5	657.5	658.7	659.7
122.5°	707.6	708.0	708.4	708.3	707.9	707.5	707.0	706.6	707.0	707.5	707.9
125°	779.9	780.2	780.5	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
127.5°	850.4	850.8	851.3	851.0	850.2	849.4	848.6	847.7	848.6	849.4	850.2
130°	898.6	898.6	898.6	898.2	897.4	896.6	895.8	895.0	895.8	896.6	897.4
132.5°	945.3	945.5	945.7	945.6	944.9	944.4	943.8	943.1	943.8	944.4	944.9
135°	1014.2	1014.2	1014.2	1013.4	1011.8	1010.1	1008.4	1006.8	1008.4	1010.1	1011.8
137.5°	1080.7	1080.3	1079.9	1079.2	1078.5	1077.7	1076.9	1076.2	1076.9	1077.7	1078.5
140°	1124.9	1124.9	1124.9	1124.5	1124.1	1123.5	1122.9	1122.4	1122.9	1123.5	1124.1
142.5°	1166.6	1166.8	1167.0	1166.9	1166.3	1165.8	1165.2	1164.7	1165.2	1165.8	1166.3
145°	1228.8	1228.5	1228.2	1227.6	1226.5	1225.4	1224.3	1223.2	1224.3	1225.4	1226.5
147.5°	1286.5	1286.8	1287.0	1286.5	1285.2	1283.9	1282.5	1281.2	1282.5	1283.9	1285.2
150°	1321.5	1321.5	1321.5	1321.0	1319.9	1318.8	1317.7	1316.6	1317.7	1318.8	1319.9
152.5°	1353.6	1353.3	1353.2	1352.7	1352.0	1351.4	1350.7	1350.1	1350.7	1351.4	1352.0
155°	1400.8	1401.0	1401.3	1401.4	1401.4	1401.4	1401.4	1401.4	1401.4	1401.4	1401.4
157.5°	1442.3	1442.4	1442.5	1442.8	1443.2	1443.7	1444.2	1444.7	1444.2	1443.7	1443.2
160°	1468.4	1468.7	1468.9	1469.2	1469.5	1469.7	1470.0	1470.3	1470.0	1469.7	1469.5
162.5°	1490.0	1490.3	1490.5	1491.0	1491.8	1492.5	1493.2	1493.9	1493.2	1492.5	1491.8
165°	1520.5	1521.1	1521.7	1522.3	1523.1	1524.0	1524.8	1525.6	1524.8	1524.0	1523.1
167.5°	1544.9	1544.9	1544.8	1545.4	1546.5	1547.7	1548.8	1550.0	1548.8	1547.7	1546.5
170°	1558.3	1558.0	1557.7	1558.3	1559.6	1561.0	1562.4	1563.7	1562.4	1561.0	1559.6
172.5°	1568.6	1568.5	1568.4	1569.0	1570.1	1571.2	1572.4	1573.5	1572.4	1571.2	1570.1
175°	1580.2	1580.5	1580.8	1581.6	1583.0	1584.4	1585.7	1587.1	1585.7	1584.4	1583.0
177.5°	1586.6	1586.6	1586.6	1587.1	1588.2	1589.3	1590.4	1591.5	1590.4	1589.3	1588.2
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P333072-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A1

**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°	40.1	42.6	44.1	45.7	47.1	48.7	49.7	50.6	51.6	52.6	53.2
95°	83.6	85.8	87.7	89.6	91.6	93.4	94.2	95.1	95.9	96.7	97.1
97.5°	136.7	138.8	141.0	143.2	145.5	147.7	148.7	149.8	150.7	151.7	152.2
100°	176.5	178.2	180.8	183.2	185.6	188.1	188.7	189.1	189.7	190.3	190.5
102.5°	219.1	220.5	222.7	224.9	227.1	229.4	230.2	230.9	231.7	232.4	232.9
105°	287.6	288.2	289.3	290.4	291.5	292.6	293.4	294.2	295.1	295.9	296.7
107.5°	360.3	360.5	360.7	360.9	361.0	361.2	361.9	362.7	363.5	364.3	364.6
110°	410.3	410.5	410.2	409.9	409.6	409.4	408.8	408.3	407.7	407.2	407.3



TEST NUMBER: P333072-930

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	459.7	459.5	459.0	458.5	458.0	457.5	457.5	457.3	457.2	457.1	457.1
115°	536.0	535.7	535.2	534.6	534.1	533.5	533.3	533.0	532.7	532.5	532.1
117.5°	609.2	609.1	608.7	608.3	607.9	607.6	606.6	605.7	604.8	603.8	603.1
120°	660.8	661.0	660.1	659.3	658.5	657.7	656.3	654.9	653.6	652.2	651.8
122.5°	708.3	708.4	708.0	707.6	707.3	706.9	706.0	705.0	704.1	703.2	702.2
125°	780.6	780.5	780.2	779.9	779.7	779.4	778.9	778.3	777.8	777.2	776.7
127.5°	851.0	851.3	850.8	850.4	849.9	849.5	848.9	848.4	847.8	847.3	846.8
130°	898.2	898.6	898.6	898.6	898.6	898.6	898.1	897.6	897.0	896.4	895.6
132.5°	945.6	945.7	945.5	945.3	945.1	944.9	944.4	943.8	943.2	942.6	942.2
135°	1013.4	1014.2	1014.2	1014.2	1014.2	1014.2	1013.7	1013.1	1012.6	1012.0	1011.3
137.5°	1079.2	1079.9	1080.3	1080.7	1081.2	1081.6	1080.8	1080.2	1079.5	1078.7	1078.5
140°	1124.5	1124.9	1124.9	1124.9	1124.9	1124.9	1124.5	1124.3	1124.1	1123.7	1123.5
142.5°	1166.9	1167.0	1166.8	1166.6	1166.4	1166.1	1166.1	1166.0	1166.0	1166.0	1165.9
145°	1227.6	1228.2	1228.5	1228.8	1229.1	1229.3	1229.1	1228.8	1228.5	1228.2	1227.7
147.5°	1286.5	1287.0	1286.8	1286.5	1286.4	1286.1	1285.9	1285.7	1285.5	1285.2	1285.0
150°	1321.0	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.4
152.5°	1352.7	1353.2	1353.3	1353.6	1353.8	1354.0	1354.6	1355.3	1355.9	1356.6	1356.6
155°	1401.4	1401.3	1401.0	1400.8	1400.5	1400.2	1401.3	1402.4	1403.5	1404.6	1404.6
157.5°	1442.8	1442.5	1442.4	1442.3	1442.3	1442.3	1443.1	1443.9	1444.7	1445.5	1445.4
160°	1469.2	1468.9	1468.7	1468.4	1468.1	1467.9	1468.7	1469.5	1470.3	1471.1	1470.8
162.5°	1491.0	1490.5	1490.3	1490.0	1489.7	1489.5	1490.9	1492.4	1493.9	1495.3	1495.4
165°	1522.3	1521.7	1521.1	1520.5	1520.0	1519.5	1521.1	1522.7	1524.4	1526.0	1526.3
167.5°	1545.4	1544.8	1544.9	1544.9	1545.0	1545.1	1546.7	1548.3	1550.0	1551.6	1551.6
170°	1558.3	1557.7	1558.0	1558.3	1558.5	1558.8	1560.4	1562.1	1563.7	1565.4	1565.2
172.5°	1569.0	1568.4	1568.5	1568.6	1568.6	1568.6	1570.5	1572.4	1574.2	1576.1	1576.1
175°	1581.6	1580.8	1580.5	1580.2	1580.0	1579.7	1581.6	1583.6	1585.4	1587.4	1587.4
177.5°	1587.1	1586.6	1586.6	1586.6	1586.6	1586.6	1588.1	1589.7	1591.1	1592.7	1592.6
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



TEST NUMBER: P333072-930

CATALOG NUMBER: S124RDIW-S795D1560U930-4F0-1E-UDD-A1

**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°	53.6	53.9	54.2	54.5	54.2	53.9	53.6	53.2	52.6	51.6	50.6
95°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	96.7	95.9	95.1
97.5°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	151.7	150.7	149.8
100°	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.3	189.7	189.1
102.5°	233.2	233.4	233.6	233.8	233.6	233.4	233.2	232.9	232.4	231.7	230.9
105°	297.5	298.3	299.1	299.9	299.1	298.3	297.5	296.7	295.9	295.1	294.2
107.5°	364.5	364.5	364.4	364.4	364.4	364.5	364.5	364.6	364.3	363.5	362.7
110°	408.1	409.0	409.8	410.6	409.8	409.0	408.1	407.3	407.2	407.7	408.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	457.3	457.5	457.6	457.8	457.6	457.5	457.3	457.1	457.1	457.2	457.3
115°	531.9	531.7	531.3	531.1	531.3	531.7	531.9	532.1	532.5	532.7	533.0
117.5°	602.5	602.0	601.4	600.9	601.4	602.0	602.5	603.1	603.8	604.8	605.7
120°	652.4	652.9	653.5	654.0	653.5	652.9	652.4	651.8	652.2	653.6	654.9
122.5°	701.2	700.3	699.3	698.3	699.3	700.3	701.2	702.2	703.2	704.1	705.0
125°	776.1	775.6	775.0	774.5	775.0	775.6	776.1	776.7	777.2	777.8	778.3
127.5°	846.4	846.0	845.5	845.1	845.5	846.0	846.4	846.8	847.3	847.8	848.4
130°	894.5	893.5	892.3	891.3	892.3	893.5	894.5	895.6	896.4	897.0	897.6
132.5°	941.8	941.3	940.9	940.4	940.9	941.3	941.8	942.2	942.6	943.2	943.8
135°	1010.5	1009.7	1008.9	1008.0	1008.9	1009.7	1010.5	1011.3	1012.0	1012.6	1013.1
137.5°	1078.6	1078.8	1079.0	1079.1	1079.0	1078.8	1078.6	1078.5	1078.7	1079.5	1080.2
140°	1123.2	1122.9	1122.7	1122.4	1122.7	1122.9	1123.2	1123.5	1123.7	1124.1	1124.3
142.5°	1165.8	1165.8	1165.7	1165.6	1165.7	1165.8	1165.8	1165.9	1166.0	1166.0	1166.0
145°	1226.9	1226.0	1225.2	1224.4	1225.2	1226.0	1226.9	1227.7	1228.2	1228.5	1228.8
147.5°	1284.7	1284.5	1284.2	1283.9	1284.2	1284.5	1284.7	1285.0	1285.2	1285.5	1285.7
150°	1321.1	1320.9	1320.6	1320.3	1320.6	1320.9	1321.1	1321.4	1321.5	1321.5	1321.5
152.5°	1355.8	1355.2	1354.5	1353.7	1354.5	1355.2	1355.8	1356.6	1356.6	1355.9	1355.3
155°	1403.5	1402.4	1401.3	1400.2	1401.3	1402.4	1403.5	1404.6	1404.6	1403.5	1402.4
157.5°	1444.5	1443.7	1442.7	1441.8	1442.7	1443.7	1444.5	1445.4	1445.5	1444.7	1443.9
160°	1469.5	1468.1	1466.7	1465.3	1466.7	1468.1	1469.5	1470.8	1471.1	1470.3	1469.5
162.5°	1494.0	1492.7	1491.3	1490.0	1491.3	1492.7	1494.0	1495.4	1495.3	1493.9	1492.4
165°	1525.2	1524.1	1523.0	1521.9	1523.0	1524.1	1525.2	1526.3	1526.0	1524.4	1522.7
167.5°	1549.9	1548.2	1546.5	1544.7	1546.5	1548.2	1549.9	1551.6	1551.6	1550.0	1548.3
170°	1563.3	1561.4	1559.5	1557.5	1559.5	1561.4	1563.3	1565.2	1565.4	1563.7	1562.1
172.5°	1574.1	1572.2	1570.3	1568.4	1570.3	1572.2	1574.1	1576.1	1576.1	1574.2	1572.4
175°	1585.4	1583.6	1581.6	1579.7	1581.6	1583.6	1585.4	1587.4	1587.4	1585.4	1583.6
177.5°	1590.8	1589.1	1587.4	1585.6	1587.4	1589.1	1590.8	1592.6	1592.7	1591.1	1589.7
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



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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°	49.7	48.7	47.1	45.7	44.1	42.6	40.1	36.6	33.2	29.8	26.3
95°	94.2	93.4	91.6	89.6	87.7	85.8	83.6	81.1	78.7	76.2	73.8
97.5°	148.7	147.7	145.5	143.2	141.0	138.8	136.7	134.8	132.7	130.8	128.8
100°	188.7	188.1	185.6	183.2	180.8	178.2	176.5	175.4	174.3	173.2	172.1
102.5°	230.2	229.4	227.1	224.9	222.7	220.5	219.1	218.7	218.3	217.8	217.4
105°	293.4	292.6	291.5	290.4	289.3	288.2	287.6	287.2	287.0	286.7	286.4
107.5°	361.9	361.2	361.0	360.9	360.7	360.5	360.3	360.0	359.6	359.3	359.0
110°	408.8	409.4	409.6	409.9	410.2	410.5	410.3	409.8	409.2	408.7	408.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.5	457.5	458.0	458.5	459.0	459.5	459.7	459.6	459.5	459.4	459.3
115°	533.3	533.5	534.1	534.6	535.2	535.7	536.0	536.0	536.0	536.0	536.0
117.5°	606.6	607.6	607.9	608.3	608.7	609.1	609.2	608.9	608.7	608.5	608.3
120°	656.3	657.7	658.5	659.3	660.1	661.0	660.8	659.7	658.7	657.5	656.5
122.5°	706.0	706.9	707.3	707.6	708.0	708.4	708.3	707.9	707.5	707.0	706.6
125°	778.9	779.4	779.7	779.9	780.2	780.5	780.6	780.6	780.6	780.6	780.6
127.5°	848.9	849.5	849.9	850.4	850.8	851.3	851.0	850.2	849.4	848.6	847.7
130°	898.1	898.6	898.6	898.6	898.6	898.6	898.2	897.4	896.6	895.8	895.0
132.5°	944.4	944.9	945.1	945.3	945.5	945.7	945.6	944.9	944.4	943.8	943.1
135°	1013.7	1014.2	1014.2	1014.2	1014.2	1014.2	1013.4	1011.8	1010.1	1008.4	1006.8
137.5°	1080.8	1081.6	1081.2	1080.7	1080.3	1079.9	1079.2	1078.5	1077.7	1076.9	1076.2
140°	1124.5	1124.9	1124.9	1124.9	1124.9	1124.9	1124.5	1124.1	1123.5	1122.9	1122.4
142.5°	1166.1	1166.1	1166.4	1166.6	1166.8	1167.0	1166.9	1166.3	1165.8	1165.2	1164.7
145°	1229.1	1229.3	1229.1	1228.8	1228.5	1228.2	1227.6	1226.5	1225.4	1224.3	1223.2
147.5°	1285.9	1286.1	1286.4	1286.5	1286.8	1287.0	1286.5	1285.2	1283.9	1282.5	1281.2
150°	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.0	1319.9	1318.8	1317.7	1316.6
152.5°	1354.6	1354.0	1353.8	1353.6	1353.3	1353.2	1352.7	1352.0	1351.4	1350.7	1350.1
155°	1401.3	1400.2	1400.5	1400.8	1401.0	1401.3	1401.4	1401.4	1401.4	1401.4	1401.4
157.5°	1443.1	1442.3	1442.3	1442.3	1442.4	1442.5	1442.8	1443.2	1443.7	1444.2	1444.7
160°	1468.7	1467.9	1468.1	1468.4	1468.7	1468.9	1469.2	1469.5	1469.7	1470.0	1470.3
162.5°	1490.9	1489.5	1489.7	1490.0	1490.3	1490.5	1491.0	1491.8	1492.5	1493.2	1493.9
165°	1521.1	1519.5	1520.0	1520.5	1521.1	1521.7	1522.3	1523.1	1524.0	1524.8	1525.6
167.5°	1546.7	1545.1	1545.0	1544.9	1544.9	1544.8	1545.4	1546.5	1547.7	1548.8	1550.0
170°	1560.4	1558.8	1558.5	1558.3	1558.0	1557.7	1558.3	1559.6	1561.0	1562.4	1563.7
172.5°	1570.5	1568.6	1568.6	1568.6	1568.5	1568.4	1569.0	1570.1	1571.2	1572.4	1573.5
175°	1581.6	1579.7	1580.0	1580.2	1580.5	1580.8	1581.6	1583.0	1584.4	1585.7	1587.1
177.5°	1588.1	1586.6	1586.6	1586.6	1586.6	1586.6	1587.1	1588.2	1589.3	1590.4	1591.5
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



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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°	29.8	33.2	36.6	40.1	42.6	44.1	45.7	47.1	48.7	49.7	50.6
95°	76.2	78.7	81.1	83.6	85.8	87.7	89.6	91.6	93.4	94.2	95.1
97.5°	130.8	132.7	134.8	136.7	138.8	141.0	143.2	145.5	147.7	148.7	149.8
100°	173.2	174.3	175.4	176.5	178.2	180.8	183.2	185.6	188.1	188.7	189.1
102.5°	217.8	218.3	218.7	219.1	220.5	222.7	224.9	227.1	229.4	230.2	230.9
105°	286.7	287.0	287.2	287.6	288.2	289.3	290.4	291.5	292.6	293.4	294.2
107.5°	359.3	359.6	360.0	360.3	360.5	360.7	360.9	361.0	361.2	361.9	362.7
110°	408.7	409.2	409.8	410.3	410.5	410.2	409.9	409.6	409.4	408.8	408.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	459.4	459.5	459.6	459.7	459.5	459.0	458.5	458.0	457.5	457.5	457.3
115°	536.0	536.0	536.0	536.0	535.7	535.2	534.6	534.1	533.5	533.3	533.0
117.5°	608.5	608.7	608.9	609.2	609.1	608.7	608.3	607.9	607.6	606.6	605.7
120°	657.5	658.7	659.7	660.8	661.0	660.1	659.3	658.5	657.7	656.3	654.9
122.5°	707.0	707.5	707.9	708.3	708.4	708.0	707.6	707.3	706.9	706.0	705.0
125°	780.6	780.6	780.6	780.6	780.5	780.2	779.9	779.7	779.4	778.9	778.3
127.5°	848.6	849.4	850.2	851.0	851.3	850.8	850.4	849.9	849.5	848.9	848.4
130°	895.8	896.6	897.4	898.2	898.6	898.6	898.6	898.6	898.6	898.1	897.6
132.5°	943.8	944.4	944.9	945.6	945.7	945.5	945.3	945.1	944.9	944.4	943.8
135°	1008.4	1010.1	1011.8	1013.4	1014.2	1014.2	1014.2	1014.2	1014.2	1013.7	1013.1
137.5°	1076.9	1077.7	1078.5	1079.2	1079.9	1080.3	1080.7	1081.2	1081.6	1080.8	1080.2
140°	1122.9	1123.5	1124.1	1124.5	1124.9	1124.9	1124.9	1124.9	1124.9	1124.5	1124.3
142.5°	1165.2	1165.8	1166.3	1166.9	1167.0	1166.8	1166.6	1166.4	1166.1	1166.1	1166.0
145°	1224.3	1225.4	1226.5	1227.6	1228.2	1228.5	1228.8	1229.1	1229.3	1229.1	1228.8
147.5°	1282.5	1283.9	1285.2	1286.5	1287.0	1286.8	1286.5	1286.4	1286.1	1285.9	1285.7
150°	1317.7	1318.8	1319.9	1321.0	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5	1321.5
152.5°	1350.7	1351.4	1352.0	1352.7	1353.2	1353.3	1353.6	1353.8	1354.0	1354.6	1355.3
155°	1401.4	1401.4	1401.4	1401.4	1401.3	1401.0	1400.8	1400.5	1400.2	1401.3	1402.4
157.5°	1444.2	1443.7	1443.2	1442.8	1442.5	1442.4	1442.3	1442.3	1442.3	1443.1	1443.9
160°	1470.0	1469.7	1469.5	1469.2	1468.9	1468.7	1468.4	1468.1	1467.9	1468.7	1469.5
162.5°	1493.2	1492.5	1491.8	1491.0	1490.5	1490.3	1490.0	1489.7	1489.5	1490.9	1492.4
165°	1524.8	1524.0	1523.1	1522.3	1521.7	1521.1	1520.5	1520.0	1519.5	1521.1	1522.7
167.5°	1548.8	1547.7	1546.5	1545.4	1544.8	1544.9	1544.9	1545.0	1545.1	1546.7	1548.3
170°	1562.4	1561.0	1559.6	1558.3	1557.7	1558.0	1558.3	1558.5	1558.8	1560.4	1562.1
172.5°	1572.4	1571.2	1570.1	1569.0	1568.4	1568.5	1568.6	1568.6	1568.6	1570.5	1572.4
175°	1585.7	1584.4	1583.0	1581.6	1580.8	1580.5	1580.2	1580.0	1579.7	1581.6	1583.6
177.5°	1590.4	1589.3	1588.2	1587.1	1586.6	1586.6	1586.6	1586.6	1586.6	1588.1	1589.7
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5



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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°	51.6	52.6	53.2	53.6	53.9	54.2	54.5
95°	95.9	96.7	97.1	97.1	97.1	97.1	97.1
97.5°	150.7	151.7	152.2	152.2	152.2	152.2	152.2
100°	189.7	190.3	190.5	190.5	190.5	190.5	190.5
102.5°	231.7	232.4	232.9	233.2	233.4	233.6	233.8
105°	295.1	295.9	296.7	297.5	298.3	299.1	299.9
107.5°	363.5	364.3	364.6	364.5	364.5	364.4	364.4
110°	407.7	407.2	407.3	408.1	409.0	409.8	410.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	457.2	457.1	457.1	457.3	457.5	457.6	457.8
115°	532.7	532.5	532.1	531.9	531.7	531.3	531.1
117.5°	604.8	603.8	603.1	602.5	602.0	601.4	600.9
120°	653.6	652.2	651.8	652.4	652.9	653.5	654.0
122.5°	704.1	703.2	702.2	701.2	700.3	699.3	698.3
125°	777.8	777.2	776.7	776.1	775.6	775.0	774.5
127.5°	847.8	847.3	846.8	846.4	846.0	845.5	845.1
130°	897.0	896.4	895.6	894.5	893.5	892.3	891.3
132.5°	943.2	942.6	942.2	941.8	941.3	940.9	940.4
135°	1012.6	1012.0	1011.3	1010.5	1009.7	1008.9	1008.0
137.5°	1079.5	1078.7	1078.5	1078.6	1078.8	1079.0	1079.1
140°	1124.1	1123.7	1123.5	1123.2	1122.9	1122.7	1122.4
142.5°	1166.0	1166.0	1165.9	1165.8	1165.8	1165.7	1165.6
145°	1228.5	1228.2	1227.7	1226.9	1226.0	1225.2	1224.4
147.5°	1285.5	1285.2	1285.0	1284.7	1284.5	1284.2	1283.9
150°	1321.5	1321.5	1321.4	1321.1	1320.9	1320.6	1320.3
152.5°	1355.9	1356.6	1356.6	1355.8	1355.2	1354.5	1353.7
155°	1403.5	1404.6	1404.6	1403.5	1402.4	1401.3	1400.2
157.5°	1444.7	1445.5	1445.4	1444.5	1443.7	1442.7	1441.8
160°	1470.3	1471.1	1470.8	1469.5	1468.1	1466.7	1465.3
162.5°	1493.9	1495.3	1495.4	1494.0	1492.7	1491.3	1490.0
165°	1524.4	1526.0	1526.3	1525.2	1524.1	1523.0	1521.9
167.5°	1550.0	1551.6	1551.6	1549.9	1548.2	1546.5	1544.7
170°	1563.7	1565.4	1565.2	1563.3	1561.4	1559.5	1557.5
172.5°	1574.2	1576.1	1576.1	1574.1	1572.2	1570.3	1568.4
175°	1585.4	1587.4	1587.4	1585.4	1583.6	1581.6	1579.7
177.5°	1591.1	1592.7	1592.6	1590.8	1589.1	1587.4	1585.6
180°	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5	1589.5

(END OF REPORT)