

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: P333092-927

Luminaire Tested: **S124RDIW-S1020D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333092-927  
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-S1020D1560U927-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

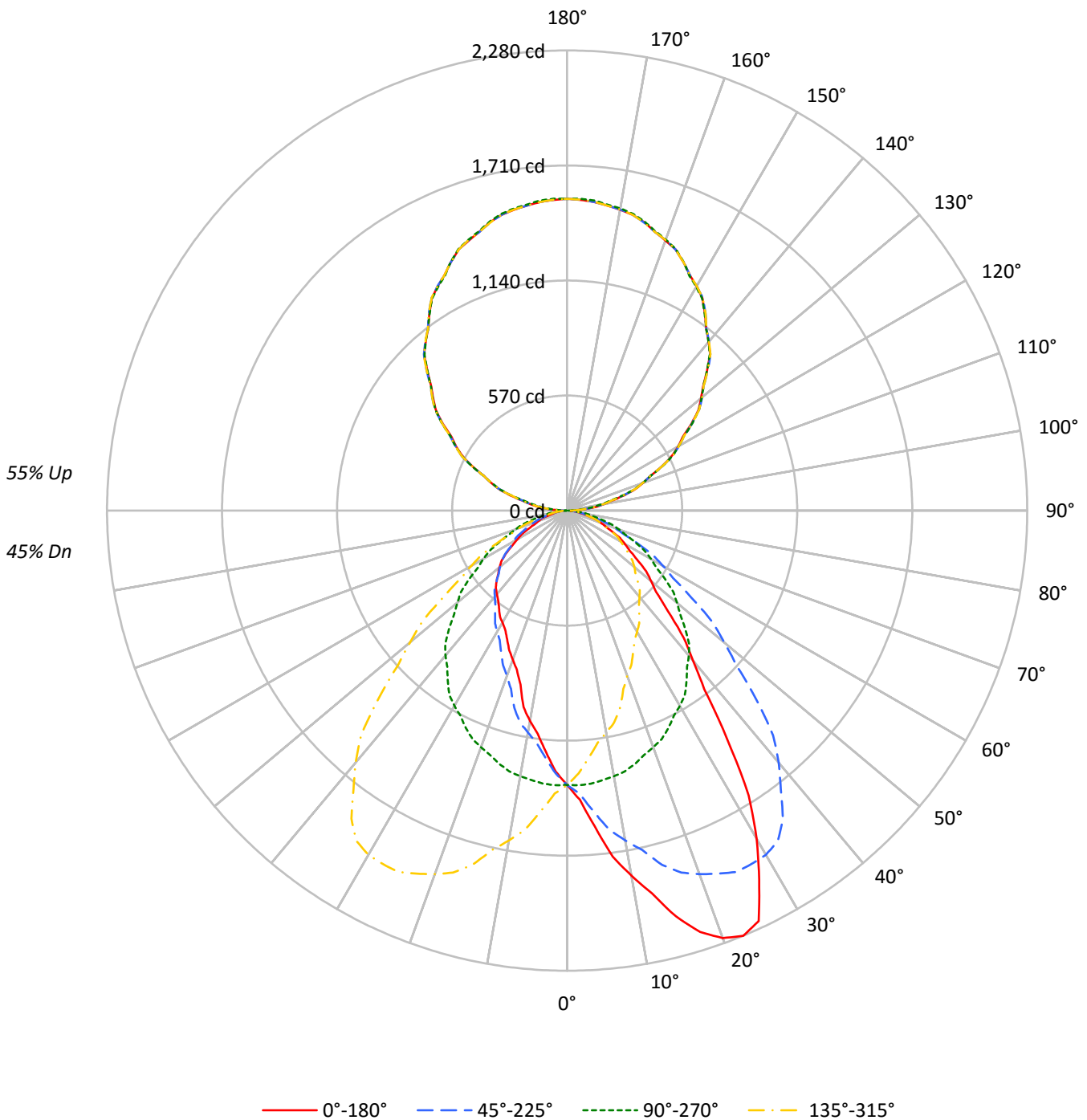
Lumens per Lamp: N/A  
Luminaire Lumens: 7725.5 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 76.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45					45			
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38					38			
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33					33			
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28					28			
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24					24			
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21					21			
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19					19			
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17					17			
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15					15			
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14					14			
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13					13			

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

	0°	90°	180°	270°
0°	10973	10973	10973	10973
5°	12729	11006	9728	11006
10°	15057	10958	8682	10958
15°	17393	10857	7460	10857
20°	19365	10717	6747	10717
25°	19991	10580	6263	10580
30°	17500	10414	5972	10414
35°	13623	10168	5797	10168
40°	10215	9886	5702	9886
45°	8066	9435	5651	9435
50°	6810	8913	5488	8913
55°	5935	8341	5195	8341
60°	5339	7745	4598	7745
65°	4707	7104	3954	7104
70°	4239	6437	3567	6437
75°	3553	5705	3041	5705
80°	3003	4863	2850	4863
85°	2538	3798	2538	3798



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.7	1.7
10°-20°	397.3	5.1
20°-30°	621.4	8.0
30°-40°	690.7	8.9
40°-50°	612.9	7.9
50°-60°	477.6	6.2
60°-70°	312.7	4.0
70°-80°	153.8	2.0
80°-90°	42.6	0.6
90°-100°	101.9	1.3
100°-110°	301.8	3.9
110°-120°	512.2	6.6
120°-130°	675.4	8.7
130°-140°	758.5	9.8
140°-150°	745.3	9.6
150°-160°	626.9	8.1
160°-170°	417.1	5.4
170°-180°	146.1	1.9
0°-30°	1150.3	14.9
0°-40°	1841.1	23.8
0°-60°	2931.5	37.9
0°-90°	3440.4	44.5
90°-120°	915.8	11.9
90°-150°	3095.0	40.1
90°-180°	4285.0	55.5
0°-180°	7725.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1359	1359	1359	1359	1359	
5°	1571	1358	1200	1358	1571	159
15°	2081	1299	893	1299	2081	592
25°	2244	1188	703	1188	2244	996
35°	1382	1032	588	1032	1382	866
45°	706	826	495	826	706	560
55°	422	593	369	593	422	384
65°	246	372	207	372	246	248
75°	114	183	98	183	114	125
85°	27	41	27	41	27	32
90°	36	4	36	4	36	19
95°	94	72	94	72	94	98
105°	291	278	291	278	291	307
115°	516	521	516	521	516	510
125°	752	758	752	758	752	671
135°	980	978	980	978	980	756
145°	1190	1188	1190	1188	1190	744
155°	1360	1362	1360	1362	1360	626
165°	1479	1482	1479	1482	1479	416
175°	1535	1542	1535	1542	1535	146
180°	1544	1544	1544	1544	1544	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1433.7	1437.7	1433.7	1433.3	1428.9	1427.6	1425.8	1420.1	1409.6	1403.5	1404.8
5°	1570.7	1584.3	1576.7	1575.6	1563.5	1551.5	1543.8	1526.3	1507.7	1495.1	1484.6
7.5°	1729.0	1736.9	1732.1	1724.4	1704.9	1693.8	1676.1	1653.0	1619.6	1594.0	1570.7
10°	1836.8	1843.3	1841.2	1826.9	1812.7	1783.7	1767.2	1735.0	1692.7	1659.4	1628.1
12.5°	1942.8	1949.8	1930.5	1931.2	1904.2	1881.4	1855.3	1814.7	1765.9	1722.8	1683.8
15°	2081.1	2072.3	2072.3	2061.3	2031.2	1999.5	1972.6	1929.9	1868.5	1817.0	1762.8
17.5°	2189.3	2192.3	2187.8	2161.9	2138.3	2105.5	2056.3	2006.4	1949.5	1880.4	1825.0
20°	2254.1	2254.1	2249.2	2231.7	2201.0	2165.9	2112.8	2058.6	1986.3	1916.8	1854.3
22.5°	2280.4	2282.1	2276.3	2261.8	2234.3	2200.0	2154.8	2099.8	2025.3	1946.9	1869.6
25°	2244.3	2254.6	2255.7	2251.9	2243.7	2222.9	2184.0	2127.6	2060.8	1975.9	1892.6
27.5°	2060.5	2073.6	2085.1	2104.0	2129.2	2142.4	2144.1	2115.4	2057.1	1975.5	1891.7
30°	1877.3	1888.2	1923.9	1970.4	2006.5	2039.4	2067.9	2075.5	2042.7	1969.3	1881.1
32.5°	1674.0	1688.9	1724.5	1774.6	1834.8	1890.5	1954.4	1987.0	1986.2	1942.1	1860.5
35°	1382.3	1393.2	1426.1	1478.6	1550.9	1633.6	1735.0	1813.8	1867.4	1863.6	1813.8
37.5°	1114.8	1127.1	1160.3	1204.0	1274.1	1376.4	1474.5	1583.1	1682.4	1738.1	1721.4
40°	969.3	969.9	1002.2	1047.1	1112.8	1202.1	1308.8	1429.3	1539.9	1630.3	1647.8
42.5°	854.5	854.6	876.0	924.4	971.8	1055.7	1157.7	1277.3	1406.8	1511.2	1557.6
45°	706.5	711.4	728.9	758.0	795.2	866.3	947.9	1059.1	1204.3	1328.0	1405.3
47.5°	598.3	605.5	616.6	640.3	669.9	717.4	784.9	884.8	1002.8	1139.0	1248.9
50°	542.2	543.3	557.5	570.6	596.4	634.1	693.3	776.6	884.9	1015.9	1138.0
52.5°	494.0	493.8	502.3	519.0	539.9	569.3	617.1	692.8	789.0	906.3	1032.4
55°	421.7	424.5	431.0	444.1	460.0	480.9	518.6	575.6	651.2	751.4	865.9
57.5°	366.7	368.1	373.3	378.8	393.4	408.5	436.9	476.4	540.2	622.3	728.9
60°	330.7	331.3	333.0	341.2	352.7	366.9	386.1	419.5	473.2	548.2	632.6
62.5°	295.7	296.7	299.2	305.2	314.1	324.0	344.0	370.9	415.3	479.4	555.4
65°	246.4	247.0	250.8	253.0	260.2	268.9	283.7	301.7	332.4	386.1	443.6
67.5°	205.9	205.9	206.1	209.1	214.0	219.8	228.7	243.1	266.3	299.2	349.9
70°	179.6	179.6	180.7	182.4	185.1	190.0	195.0	205.9	222.9	249.7	288.6
72.5°	155.1	155.5	156.6	156.9	158.4	162.4	166.0	173.1	185.7	205.9	237.3
75°	113.9	115.6	118.3	120.5	123.2	122.7	126.5	130.9	134.8	146.8	164.9
77.5°	84.8	83.9	84.2	86.1	86.4	87.0	89.7	93.1	95.9	101.6	108.1
80°	64.6	64.6	66.2	66.8	66.2	66.8	69.6	71.2	72.3	74.5	80.5
82.5°	48.9	49.7	49.2	49.7	50.1	50.6	52.9	53.2	54.3	55.2	57.8
85°	27.4	28.0	28.4	27.4	27.4	27.4	28.4	29.0	30.1	29.5	30.7
87.5°	16.8	16.2	16.6	16.5	16.8	16.2	16.3	16.9	15.7	15.8	15.4
90°	35.8	35.3	34.8	34.2	33.7	32.6	31.1	29.5	27.9	26.3	24.2
92.5°	53.0	52.7	52.4	52.0	51.7	51.1	50.1	49.2	48.2	47.3	45.8
95°	94.3	94.3	94.3	94.3	94.3	94.0	93.2	92.4	91.6	90.8	89.0
97.5°	147.9	147.9	147.9	147.9	147.9	147.4	146.5	145.5	144.5	143.5	141.4
100°	185.1	185.1	185.1	185.1	185.1	184.9	184.3	183.8	183.3	182.8	180.4
102.5°	227.2	227.0	226.8	226.6	226.3	225.9	225.1	224.3	223.6	222.9	220.7
105°	291.4	290.7	289.9	289.1	288.3	287.5	286.7	285.9	285.1	284.3	283.2
107.5°	354.0	354.1	354.2	354.2	354.3	353.9	353.2	352.4	351.6	350.9	350.8
110°	398.9	398.2	397.4	396.6	395.8	395.6	396.2	396.7	397.2	397.8	398.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	444.8	444.7	444.5	444.3	444.2	444.2	444.3	444.3	444.5	444.6	445.0
115°	516.0	516.3	516.6	516.8	517.1	517.4	517.6	517.8	518.2	518.4	519.0
117.5°	583.8	584.4	584.9	585.4	586.0	586.7	587.6	588.5	589.4	590.3	590.7
120°	635.5	634.9	634.4	633.9	633.3	633.7	635.1	636.4	637.7	639.1	639.8
122.5°	678.5	679.5	680.4	681.4	682.3	683.3	684.1	685.0	686.0	686.8	687.2
125°	752.5	753.0	753.6	754.1	754.6	755.2	755.7	756.2	756.8	757.3	757.6
127.5°	821.1	821.5	822.0	822.4	822.8	823.2	823.8	824.3	824.8	825.4	825.9
130°	866.0	867.0	868.2	869.2	870.2	871.0	871.6	872.1	872.7	873.1	873.1
132.5°	913.8	914.2	914.7	915.0	915.4	915.9	916.5	917.0	917.6	918.1	918.3
135°	979.5	980.2	981.0	981.8	982.6	983.3	983.9	984.4	984.9	985.5	985.5
137.5°	1048.5	1048.4	1048.2	1048.1	1047.9	1048.1	1048.8	1049.6	1050.2	1050.9	1050.5
140°	1090.6	1090.8	1091.1	1091.4	1091.6	1091.9	1092.2	1092.4	1092.7	1093.0	1093.0
142.5°	1132.6	1132.7	1132.7	1132.7	1132.8	1132.9	1132.9	1133.0	1133.1	1133.1	1133.3
145°	1189.7	1190.5	1191.3	1192.1	1192.9	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2
147.5°	1247.5	1247.8	1248.1	1248.3	1248.6	1248.8	1249.0	1249.3	1249.4	1249.7	1249.9
150°	1282.9	1283.2	1283.4	1283.7	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1315.3	1316.1	1316.8	1317.4	1318.1	1318.1	1317.5	1316.8	1316.2	1315.6	1315.4
155°	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8	1363.7	1362.6	1361.6	1360.5	1360.8
157.5°	1400.9	1401.8	1402.7	1403.6	1404.5	1404.5	1403.7	1403.0	1402.2	1401.4	1401.4
160°	1423.8	1425.1	1426.5	1427.8	1429.1	1429.4	1428.6	1427.8	1427.0	1426.2	1426.5
162.5°	1447.7	1449.1	1450.4	1451.7	1453.0	1452.9	1451.5	1450.1	1448.7	1447.2	1447.5
165°	1478.8	1479.8	1480.9	1481.9	1483.0	1482.7	1481.1	1479.6	1478.0	1476.4	1476.9
167.5°	1500.9	1502.6	1504.3	1505.9	1507.6	1507.6	1506.0	1504.4	1502.8	1501.3	1501.2
170°	1513.4	1515.3	1517.1	1519.0	1520.8	1521.0	1519.4	1517.8	1516.2	1514.6	1514.3
172.5°	1523.9	1525.7	1527.6	1529.5	1531.4	1531.4	1529.5	1527.8	1526.0	1524.2	1524.1
175°	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4	1540.5	1538.7	1536.8	1534.9	1535.2
177.5°	1540.6	1542.4	1544.0	1545.7	1547.4	1547.5	1546.0	1544.6	1543.1	1541.6	1541.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1400.4	1394.3	1391.2	1384.2	1375.9	1371.5	1367.5	1361.8	1354.4	1346.6	1340.8
5°	1471.5	1458.3	1441.9	1422.2	1404.7	1387.7	1372.9	1358.1	1341.2	1323.7	1306.2
7.5°	1544.4	1518.6	1490.6	1458.3	1427.0	1398.4	1372.1	1346.9	1318.3	1292.8	1269.6
10°	1595.3	1560.2	1521.3	1480.3	1439.2	1403.6	1368.6	1336.8	1301.7	1270.5	1244.2
12.5°	1636.5	1595.3	1548.5	1497.4	1448.0	1404.9	1364.6	1323.2	1283.3	1249.5	1214.4
15°	1704.8	1648.4	1585.4	1524.1	1460.0	1401.4	1347.2	1299.0	1253.5	1205.9	1172.5
17.5°	1751.8	1684.9	1608.3	1534.6	1458.9	1389.8	1327.2	1269.9	1217.4	1168.8	1129.0
20°	1779.8	1705.9	1621.0	1537.2	1452.3	1378.4	1311.1	1247.5	1193.3	1140.7	1099.6
22.5°	1795.6	1713.8	1621.0	1533.3	1445.3	1365.2	1291.3	1225.2	1166.2	1113.6	1068.1
25°	1800.6	1713.0	1618.3	1517.5	1421.1	1336.3	1259.6	1187.8	1122.1	1069.5	1021.4
27.5°	1793.7	1690.4	1593.4	1490.0	1390.6	1301.1	1220.6	1145.3	1079.4	1023.0	973.6
30°	1783.1	1672.5	1568.4	1461.1	1360.3	1274.4	1189.5	1117.2	1048.7	990.1	940.3
32.5°	1760.3	1650.6	1538.7	1428.7	1326.6	1238.0	1157.5	1084.7	1017.6	957.7	904.8
35°	1715.2	1604.0	1482.5	1369.7	1269.4	1177.4	1101.8	1031.7	967.7	903.6	847.7
37.5°	1655.7	1542.1	1421.3	1297.7	1197.4	1110.5	1041.2	975.3	912.8	854.3	792.4
40°	1599.7	1496.1	1371.3	1248.6	1145.7	1061.8	997.8	938.1	875.1	817.1	755.2
42.5°	1531.8	1443.6	1317.4	1194.3	1092.7	1011.9	952.2	893.8	836.5	780.3	715.7
45°	1418.4	1351.5	1233.3	1115.0	1012.6	932.6	877.9	826.4	776.0	722.3	661.6
47.5°	1288.5	1243.3	1141.1	1020.0	925.3	853.3	800.4	758.4	715.7	662.1	608.8
50°	1198.3	1169.2	1070.6	960.0	869.7	803.4	749.2	709.7	674.1	622.7	575.0
52.5°	1101.8	1086.4	1003.1	897.4	810.1	745.1	698.8	663.3	627.2	584.6	540.0
55°	955.1	963.3	892.6	801.2	719.1	664.3	622.1	592.6	561.9	525.8	491.2
57.5°	805.0	835.0	787.6	707.3	630.3	579.7	548.0	523.1	497.3	467.4	437.9
60°	715.2	740.4	713.6	642.9	575.6	528.5	498.9	479.7	454.0	426.6	404.2
62.5°	627.6	654.5	638.7	581.6	519.0	478.6	452.5	434.6	415.4	391.6	368.2
65°	517.5	535.0	527.4	488.0	443.6	409.1	385.0	371.9	354.3	336.8	316.0
67.5°	396.4	430.2	425.7	404.8	366.5	339.5	323.8	312.1	296.2	283.1	269.0
70°	325.8	357.0	356.5	339.5	318.7	293.5	282.6	272.7	258.5	245.9	234.4
72.5°	266.7	295.3	299.5	286.5	272.3	253.3	242.7	235.9	222.1	213.5	204.1
75°	186.7	207.6	213.0	213.0	206.4	196.6	187.3	182.9	173.1	165.4	159.9
77.5°	122.5	135.6	144.2	146.1	147.1	143.8	136.2	133.1	125.5	122.8	117.6
80°	86.5	95.3	105.1	108.4	111.1	110.1	106.8	104.6	97.5	94.7	92.5
82.5°	59.8	64.6	72.7	79.9	79.2	82.1	79.2	77.5	72.1	71.1	68.9
85°	31.2	31.8	32.9	37.8	40.6	41.6	42.1	41.0	39.5	39.5	35.6
87.5°	14.9	14.0	14.5	14.0	13.9	15.1	15.8	15.6	14.9	14.2	13.4
90°	22.0	19.9	17.8	15.3	12.4	9.4	6.5	3.6	6.5	9.4	12.4
92.5°	44.4	42.9	41.4	39.0	35.6	32.2	28.9	25.6	28.9	32.2	35.6
95°	87.1	85.2	83.3	81.2	78.8	76.4	74.1	71.7	74.1	76.4	78.8
97.5°	139.2	137.0	134.9	132.8	130.9	129.0	127.1	125.2	127.1	129.0	130.9
100°	178.0	175.6	173.2	171.5	170.4	169.4	168.3	167.2	168.3	169.4	170.4
102.5°	218.6	216.3	214.2	212.9	212.5	212.1	211.6	211.2	211.6	212.1	212.5
105°	282.2	281.1	280.0	279.4	279.1	278.8	278.6	278.3	278.6	278.8	279.1
107.5°	350.6	350.5	350.3	350.1	349.7	349.4	349.1	348.8	349.1	349.4	349.7
110°	398.3	398.5	398.9	398.7	398.2	397.6	397.1	396.6	397.1	397.6	398.2





TEST NUMBER: P333092-927

CATALOG NUMBER: S124RDIW-S1020D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	445.5	446.0	446.5	446.7	446.6	446.5	446.4	446.2	446.4	446.5	446.6
115°	519.4	520.0	520.5	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8
117.5°	591.0	591.4	591.8	591.9	591.7	591.4	591.2	591.0	591.2	591.4	591.7
120°	640.6	641.4	642.2	642.1	641.0	640.0	638.9	637.9	638.9	640.0	641.0
122.5°	687.5	687.9	688.3	688.2	687.9	687.5	687.0	686.6	687.0	687.5	687.9
125°	757.8	758.1	758.4	758.5	758.5	758.5	758.5	758.5	758.5	758.5	758.5
127.5°	826.2	826.6	827.1	826.9	826.1	825.3	824.5	823.7	824.5	825.3	826.1
130°	873.1	873.1	873.1	872.7	872.0	871.2	870.4	869.6	870.4	871.2	872.0
132.5°	918.5	918.7	918.9	918.8	918.1	917.6	917.0	916.4	917.0	917.6	918.1
135°	985.5	985.5	985.5	984.7	983.1	981.4	979.9	978.3	979.9	981.4	983.1
137.5°	1050.0	1049.6	1049.2	1048.6	1047.9	1047.1	1046.4	1045.7	1046.4	1047.1	1047.9
140°	1093.0	1093.0	1093.0	1092.7	1092.2	1091.6	1091.1	1090.6	1091.1	1091.6	1092.2
142.5°	1133.5	1133.7	1133.9	1133.8	1133.2	1132.7	1132.2	1131.6	1132.2	1132.7	1133.2
145°	1194.0	1193.7	1193.4	1192.8	1191.7	1190.6	1189.5	1188.5	1189.5	1190.6	1191.7
147.5°	1250.1	1250.3	1250.5	1250.0	1248.7	1247.4	1246.2	1244.9	1246.2	1247.4	1248.7
150°	1284.0	1284.0	1284.0	1283.6	1282.5	1281.4	1280.3	1279.3	1280.3	1281.4	1282.5
152.5°	1315.2	1314.9	1314.8	1314.3	1313.7	1313.0	1312.4	1311.8	1312.4	1313.0	1313.7
155°	1361.0	1361.3	1361.6	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7
157.5°	1401.4	1401.5	1401.6	1401.8	1402.3	1402.8	1403.3	1403.7	1403.3	1402.8	1402.3
160°	1426.7	1427.0	1427.3	1427.5	1427.8	1428.1	1428.3	1428.6	1428.3	1428.1	1427.8
162.5°	1447.8	1448.0	1448.3	1448.7	1449.5	1450.2	1450.9	1451.5	1450.9	1450.2	1449.5
165°	1477.4	1478.0	1478.5	1479.2	1480.0	1480.7	1481.5	1482.3	1481.5	1480.7	1480.0
167.5°	1501.1	1501.1	1501.0	1501.6	1502.7	1503.8	1504.9	1506.0	1504.9	1503.8	1502.7
170°	1514.1	1513.8	1513.5	1514.1	1515.4	1516.7	1518.1	1519.4	1518.1	1516.7	1515.4
172.5°	1524.1	1524.0	1523.9	1524.5	1525.6	1526.7	1527.8	1528.9	1527.8	1526.7	1525.6
175°	1535.4	1535.7	1536.0	1536.8	1538.1	1539.4	1540.7	1542.1	1540.7	1539.4	1538.1
177.5°	1541.6	1541.6	1541.6	1542.1	1543.2	1544.3	1545.3	1546.3	1545.3	1544.3	1543.2
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333092-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1334.7	1330.3	1324.6	1318.0	1310.2	1303.1	1300.1	1302.7	1304.0	1300.5	1300.1
5°	1294.1	1280.4	1269.4	1253.0	1239.8	1228.9	1221.2	1218.0	1219.0	1210.3	1208.1
7.5°	1248.4	1232.2	1214.3	1194.7	1176.5	1160.5	1152.0	1147.4	1138.1	1134.2	1127.5
10°	1219.0	1197.1	1179.6	1156.6	1135.8	1116.7	1107.3	1099.6	1090.4	1086.0	1076.7
12.5°	1188.8	1163.4	1144.1	1120.2	1099.0	1075.9	1067.0	1052.8	1038.2	1029.0	1017.1
15°	1146.2	1115.6	1092.0	1063.5	1038.3	1012.0	988.5	962.2	952.4	931.5	919.5
17.5°	1096.4	1065.2	1036.1	997.9	959.0	926.4	901.3	876.1	861.0	847.7	841.6
20°	1063.5	1035.1	994.5	950.1	906.9	870.8	850.5	834.1	817.6	808.3	801.8
22.5°	1032.4	996.0	949.0	901.1	857.9	829.6	812.4	795.5	782.1	773.2	764.5
25°	980.2	932.6	882.8	828.1	798.4	773.8	755.2	741.5	733.3	721.8	717.4
27.5°	926.7	869.0	814.0	777.2	746.4	723.9	707.7	697.4	687.0	679.6	673.9
30°	885.5	827.0	777.7	742.6	711.4	692.8	679.6	667.6	659.3	653.3	649.0
32.5°	844.8	786.2	744.8	707.1	682.5	664.3	650.3	641.3	634.9	627.0	624.4
35°	785.8	733.8	697.7	663.8	638.6	622.1	611.2	601.8	596.4	594.2	592.6
37.5°	729.2	686.7	647.8	620.0	597.5	584.6	571.6	567.0	563.3	559.4	561.1
40°	693.3	653.3	618.9	589.2	571.2	557.0	549.3	543.8	540.5	540.5	540.5
42.5°	662.2	623.1	589.5	563.0	544.9	532.8	524.3	519.7	518.6	518.2	520.8
45°	613.9	577.7	543.8	521.9	506.6	494.5	489.6	485.8	485.8	488.0	488.5
47.5°	566.0	532.2	504.9	480.4	466.4	458.8	454.6	452.6	452.8	455.0	457.5
50°	536.7	503.3	476.4	454.6	441.4	434.3	430.5	429.4	430.5	430.5	434.3
52.5°	504.7	474.8	448.4	430.0	415.1	408.4	406.3	404.8	405.4	407.3	408.8
55°	457.8	431.0	405.8	388.2	377.3	373.0	368.0	368.5	367.5	368.5	368.5
57.5°	410.8	386.7	363.3	349.4	339.8	333.4	328.0	329.5	328.0	327.7	326.9
60°	380.6	354.3	335.7	323.1	312.1	306.7	301.7	302.9	301.2	300.1	297.9
62.5°	347.8	325.8	308.1	296.0	287.2	280.8	275.9	274.8	271.0	267.3	262.4
65°	300.1	282.0	266.2	254.7	246.4	241.5	237.7	234.4	226.2	217.4	213.0
67.5°	253.8	240.7	225.9	216.2	209.5	203.0	195.7	190.1	182.4	177.7	174.9
70°	223.9	211.4	198.8	189.5	182.4	176.3	168.1	164.3	158.8	156.6	153.9
72.5°	195.5	183.8	172.1	163.7	156.1	151.4	144.9	141.1	138.6	137.8	135.1
75°	152.3	142.9	134.2	126.5	120.5	117.2	114.5	111.7	110.6	105.7	103.0
77.5°	111.1	105.0	99.4	94.0	89.7	87.5	82.2	79.1	77.2	74.9	74.4
80°	86.5	82.1	76.7	73.4	67.3	65.2	63.0	62.4	61.9	61.3	60.8
82.5°	65.0	60.7	55.2	53.2	51.6	50.3	49.0	48.4	47.8	48.2	48.1
85°	32.9	30.7	30.7	30.1	29.5	29.0	28.4	28.4	28.0	28.4	28.0
87.5°	14.0	14.1	14.5	14.0	14.9	15.4	15.2	15.5	16.3	15.8	15.9
90°	15.3	17.8	19.9	22.0	24.2	26.3	27.9	29.5	31.1	32.6	33.7
92.5°	39.0	41.4	42.9	44.4	45.8	47.3	48.2	49.2	50.1	51.1	51.7
95°	81.2	83.3	85.2	87.1	89.0	90.8	91.6	92.4	93.2	94.0	94.3
97.5°	132.8	134.9	137.0	139.2	141.4	143.5	144.5	145.5	146.5	147.4	147.9
100°	171.5	173.2	175.6	178.0	180.4	182.8	183.3	183.8	184.3	184.9	185.1
102.5°	212.9	214.2	216.3	218.6	220.7	222.9	223.6	224.3	225.1	225.9	226.3
105°	279.4	280.0	281.1	282.2	283.2	284.3	285.1	285.9	286.7	287.5	288.3
107.5°	350.1	350.3	350.5	350.6	350.8	350.9	351.6	352.4	353.2	353.9	354.3
110°	398.7	398.9	398.5	398.3	398.0	397.8	397.2	396.7	396.2	395.6	395.8



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	446.7	446.5	446.0	445.5	445.0	444.6	444.5	444.3	444.3	444.2	444.2
115°	520.8	520.5	520.0	519.4	519.0	518.4	518.2	517.8	517.6	517.4	517.1
117.5°	591.9	591.8	591.4	591.0	590.7	590.3	589.4	588.5	587.6	586.7	586.0
120°	642.1	642.2	641.4	640.6	639.8	639.1	637.7	636.4	635.1	633.7	633.3
122.5°	688.2	688.3	687.9	687.5	687.2	686.8	686.0	685.0	684.1	683.3	682.3
125°	758.5	758.4	758.1	757.8	757.6	757.3	756.8	756.2	755.7	755.2	754.6
127.5°	826.9	827.1	826.6	826.2	825.9	825.4	824.8	824.3	823.8	823.2	822.8
130°	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.1	871.6	871.0	870.2
132.5°	918.8	918.9	918.7	918.5	918.3	918.1	917.6	917.0	916.5	915.9	915.4
135°	984.7	985.5	985.5	985.5	985.5	985.5	984.9	984.4	983.9	983.3	982.6
137.5°	1048.6	1049.2	1049.6	1050.0	1050.5	1050.9	1050.2	1049.6	1048.8	1048.1	1047.9
140°	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.4	1092.2	1091.9	1091.6
142.5°	1133.8	1133.9	1133.7	1133.5	1133.3	1133.1	1133.1	1133.0	1132.9	1132.9	1132.8
145°	1192.8	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2	1194.0	1193.7	1193.4	1192.9
147.5°	1250.0	1250.5	1250.3	1250.1	1249.9	1249.7	1249.4	1249.3	1249.0	1248.8	1248.6
150°	1283.6	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1314.3	1314.8	1314.9	1315.2	1315.4	1315.6	1316.2	1316.8	1317.5	1318.1	1318.1
155°	1361.7	1361.6	1361.3	1361.0	1360.8	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8
157.5°	1401.8	1401.6	1401.5	1401.4	1401.4	1401.4	1402.2	1403.0	1403.7	1404.5	1404.5
160°	1427.5	1427.3	1427.0	1426.7	1426.5	1426.2	1427.0	1427.8	1428.6	1429.4	1429.1
162.5°	1448.7	1448.3	1448.0	1447.8	1447.5	1447.2	1448.7	1450.1	1451.5	1452.9	1453.0
165°	1479.2	1478.5	1478.0	1477.4	1476.9	1476.4	1478.0	1479.6	1481.1	1482.7	1483.0
167.5°	1501.6	1501.0	1501.1	1501.1	1501.2	1501.3	1502.8	1504.4	1506.0	1507.6	1507.6
170°	1514.1	1513.5	1513.8	1514.1	1514.3	1514.6	1516.2	1517.8	1519.4	1521.0	1520.8
172.5°	1524.5	1523.9	1524.0	1524.1	1524.1	1524.2	1526.0	1527.8	1529.5	1531.4	1531.4
175°	1536.8	1536.0	1535.7	1535.4	1535.2	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4
177.5°	1542.1	1541.6	1541.6	1541.6	1541.6	1541.6	1543.1	1544.6	1546.0	1547.5	1547.4
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



TEST NUMBER: P333092-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1297.4	1298.3	1295.3	1294.4	1295.3	1298.3	1297.4	1300.1	1300.5	1304.0	1302.7
5°	1203.7	1202.6	1199.8	1200.4	1199.8	1202.6	1203.7	1208.1	1210.3	1219.0	1218.0
7.5°	1123.6	1119.3	1120.5	1116.1	1120.5	1119.3	1123.6	1127.5	1134.2	1138.1	1147.4
10°	1074.4	1068.4	1063.5	1059.1	1063.5	1068.4	1074.4	1076.7	1086.0	1090.4	1099.6
12.5°	1007.4	1002.3	995.6	997.0	995.6	1002.3	1007.4	1017.1	1029.0	1038.2	1052.8
15°	912.4	904.1	891.0	892.6	891.0	904.1	912.4	919.5	931.5	952.4	962.2
17.5°	831.9	831.9	825.9	827.4	825.9	831.9	831.9	841.6	847.7	861.0	876.1
20°	790.3	786.4	787.0	785.3	787.0	786.4	790.3	801.8	808.3	817.6	834.1
22.5°	761.4	756.6	752.8	749.4	752.8	756.6	761.4	764.5	773.2	782.1	795.5
25°	712.5	709.2	704.3	703.1	704.3	709.2	712.5	717.4	721.8	733.3	741.5
27.5°	669.6	668.9	666.9	664.4	666.9	668.9	669.6	673.9	679.6	687.0	697.4
30°	644.6	643.5	642.4	640.7	642.4	643.5	644.6	649.0	653.3	659.3	667.6
32.5°	622.3	621.5	620.4	620.6	620.4	621.5	622.3	624.4	627.0	634.9	641.3
35°	590.3	589.8	588.7	588.2	588.7	589.8	590.3	592.6	594.2	596.4	601.8
37.5°	560.5	562.0	561.3	561.2	561.3	562.0	560.5	561.1	559.4	563.3	567.0
40°	540.0	540.5	541.6	541.1	541.6	540.5	540.0	540.5	540.5	540.5	543.8
42.5°	522.9	523.0	524.5	522.7	524.5	523.0	522.9	520.8	518.2	518.6	519.7
45°	492.3	495.6	495.0	495.0	495.0	495.6	492.3	488.5	488.0	485.8	485.8
47.5°	458.9	461.8	462.6	462.4	462.6	461.8	458.9	457.5	455.0	452.8	452.6
50°	437.0	435.9	437.6	437.0	437.6	435.9	437.0	434.3	430.5	430.5	429.4
52.5°	410.3	410.5	410.4	409.9	410.4	410.5	410.3	408.8	407.3	405.4	404.8
55°	369.1	369.6	368.5	369.1	368.5	369.6	369.1	368.5	368.5	367.5	368.5
57.5°	324.4	321.8	322.9	321.5	322.9	321.8	324.4	326.9	327.7	328.0	329.5
60°	292.5	288.0	286.9	284.8	286.9	288.0	292.5	297.9	300.1	301.2	302.9
62.5°	256.5	253.4	249.7	251.4	249.7	253.4	256.5	262.4	267.3	271.0	274.8
65°	208.7	206.4	204.8	207.0	204.8	206.4	208.7	213.0	217.4	226.2	234.4
67.5°	172.7	171.5	171.5	170.4	171.5	171.5	172.7	174.9	177.7	182.4	190.1
70°	153.9	152.3	152.3	151.1	152.3	152.3	153.9	153.9	156.6	158.8	164.3
72.5°	134.6	132.9	133.4	132.8	133.4	132.9	134.6	135.1	137.8	138.6	141.1
75°	99.7	97.0	97.0	97.5	97.0	97.0	99.7	103.0	105.7	110.6	111.7
77.5°	74.4	73.8	74.6	73.6	74.6	73.8	74.4	74.4	74.9	77.2	79.1
80°	60.8	60.2	59.7	61.3	59.7	60.2	60.8	60.8	61.3	61.9	62.4
82.5°	47.2	47.1	47.0	49.0	47.0	47.1	47.2	48.1	48.2	47.8	48.4
85°	28.4	27.4	28.4	27.4	28.4	27.4	28.4	28.0	28.4	28.0	28.4
87.5°	17.0	16.6	16.2	16.8	16.2	16.6	17.0	15.9	15.8	16.3	15.5
90°	34.2	34.8	35.3	35.8	35.3	34.8	34.2	33.7	32.6	31.1	29.5
92.5°	52.0	52.4	52.7	53.0	52.7	52.4	52.0	51.7	51.1	50.1	49.2
95°	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.0	93.2	92.4
97.5°	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.4	146.5	145.5
100°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	184.9	184.3	183.8
102.5°	226.6	226.8	227.0	227.2	227.0	226.8	226.6	226.3	225.9	225.1	224.3
105°	289.1	289.9	290.7	291.4	290.7	289.9	289.1	288.3	287.5	286.7	285.9
107.5°	354.2	354.2	354.1	354.0	354.1	354.2	354.2	354.3	353.9	353.2	352.4
110°	396.6	397.4	398.2	398.9	398.2	397.4	396.6	395.8	395.6	396.2	396.7



TEST NUMBER: P333092-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	444.3	444.5	444.7	444.8	444.7	444.5	444.3	444.2	444.2	444.3	444.3
115°	516.8	516.6	516.3	516.0	516.3	516.6	516.8	517.1	517.4	517.6	517.8
117.5°	585.4	584.9	584.4	583.8	584.4	584.9	585.4	586.0	586.7	587.6	588.5
120°	633.9	634.4	634.9	635.5	634.9	634.4	633.9	633.3	633.7	635.1	636.4
122.5°	681.4	680.4	679.5	678.5	679.5	680.4	681.4	682.3	683.3	684.1	685.0
125°	754.1	753.6	753.0	752.5	753.0	753.6	754.1	754.6	755.2	755.7	756.2
127.5°	822.4	822.0	821.5	821.1	821.5	822.0	822.4	822.8	823.2	823.8	824.3
130°	869.2	868.2	867.0	866.0	867.0	868.2	869.2	870.2	871.0	871.6	872.1
132.5°	915.0	914.7	914.2	913.8	914.2	914.7	915.0	915.4	915.9	916.5	917.0
135°	981.8	981.0	980.2	979.5	980.2	981.0	981.8	982.6	983.3	983.9	984.4
137.5°	1048.1	1048.2	1048.4	1048.5	1048.4	1048.2	1048.1	1047.9	1048.1	1048.8	1049.6
140°	1091.4	1091.1	1090.8	1090.6	1090.8	1091.1	1091.4	1091.6	1091.9	1092.2	1092.4
142.5°	1132.7	1132.7	1132.7	1132.6	1132.7	1132.7	1132.7	1132.8	1132.9	1132.9	1133.0
145°	1192.1	1191.3	1190.5	1189.7	1190.5	1191.3	1192.1	1192.9	1193.4	1193.7	1194.0
147.5°	1248.3	1248.1	1247.8	1247.5	1247.8	1248.1	1248.3	1248.6	1248.8	1249.0	1249.3
150°	1283.7	1283.4	1283.2	1282.9	1283.2	1283.4	1283.7	1284.0	1284.0	1284.0	1284.0
152.5°	1317.4	1316.8	1316.1	1315.3	1316.1	1316.8	1317.4	1318.1	1318.1	1317.5	1316.8
155°	1363.7	1362.6	1361.6	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8	1363.7	1362.6
157.5°	1403.6	1402.7	1401.8	1400.9	1401.8	1402.7	1403.6	1404.5	1404.5	1403.7	1403.0
160°	1427.8	1426.5	1425.1	1423.8	1425.1	1426.5	1427.8	1429.1	1429.4	1428.6	1427.8
162.5°	1451.7	1450.4	1449.1	1447.7	1449.1	1450.4	1451.7	1453.0	1452.9	1451.5	1450.1
165°	1481.9	1480.9	1479.8	1478.8	1479.8	1480.9	1481.9	1483.0	1482.7	1481.1	1479.6
167.5°	1505.9	1504.3	1502.6	1500.9	1502.6	1504.3	1505.9	1507.6	1507.6	1506.0	1504.4
170°	1519.0	1517.1	1515.3	1513.4	1515.3	1517.1	1519.0	1520.8	1521.0	1519.4	1517.8
172.5°	1529.5	1527.6	1525.7	1523.9	1525.7	1527.6	1529.5	1531.4	1531.4	1529.5	1527.8
175°	1540.5	1538.7	1536.8	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4	1540.5	1538.7
177.5°	1545.7	1544.0	1542.4	1540.6	1542.4	1544.0	1545.7	1547.4	1547.5	1546.0	1544.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1300.1	1303.1	1310.2	1318.0	1324.6	1330.3	1334.7	1340.8	1346.6	1354.4	1361.8
5°	1221.2	1228.9	1239.8	1253.0	1269.4	1280.4	1294.1	1306.2	1323.7	1341.2	1358.1
7.5°	1152.0	1160.5	1176.5	1194.7	1214.3	1232.2	1248.4	1269.6	1292.8	1318.3	1346.9
10°	1107.3	1116.7	1135.8	1156.6	1179.6	1197.1	1219.0	1244.2	1270.5	1301.7	1336.8
12.5°	1067.0	1075.9	1099.0	1120.2	1144.1	1163.4	1188.8	1214.4	1249.5	1283.3	1323.2
15°	988.5	1012.0	1038.3	1063.5	1092.0	1115.6	1146.2	1172.5	1205.9	1253.5	1299.0
17.5°	901.3	926.4	959.0	997.9	1036.1	1065.2	1096.4	1129.0	1168.8	1217.4	1269.9
20°	850.5	870.8	906.9	950.1	994.5	1035.1	1063.5	1099.6	1140.7	1193.3	1247.5
22.5°	812.4	829.6	857.9	901.1	949.0	996.0	1032.4	1068.1	1113.6	1166.2	1225.2
25°	755.2	773.8	798.4	828.1	882.8	932.6	980.2	1021.4	1069.5	1122.1	1187.8
27.5°	707.7	723.9	746.4	777.2	814.0	869.0	926.7	973.6	1023.0	1079.4	1145.3
30°	679.6	692.8	711.4	742.6	777.7	827.0	885.5	940.3	990.1	1048.7	1117.2
32.5°	650.3	664.3	682.5	707.1	744.8	786.2	844.8	904.8	957.7	1017.6	1084.7
35°	611.2	622.1	638.6	663.8	697.7	733.8	785.8	847.7	903.6	967.7	1031.7
37.5°	571.6	584.6	597.5	620.0	647.8	686.7	729.2	792.4	854.3	912.8	975.3
40°	549.3	557.0	571.2	589.2	618.9	653.3	693.3	755.2	817.1	875.1	938.1
42.5°	524.3	532.8	544.9	563.0	589.5	623.1	662.2	715.7	780.3	836.5	893.8
45°	489.6	494.5	506.6	521.9	543.8	577.7	613.9	661.6	722.3	776.0	826.4
47.5°	454.6	458.8	466.4	480.4	504.9	532.2	566.0	608.8	662.1	715.7	758.4
50°	430.5	434.3	441.4	454.6	476.4	503.3	536.7	575.0	622.7	674.1	709.7
52.5°	406.3	408.4	415.1	430.0	448.4	474.8	504.7	540.0	584.6	627.2	663.3
55°	368.0	373.0	377.3	388.2	405.8	431.0	457.8	491.2	525.8	561.9	592.6
57.5°	328.0	333.4	339.8	349.4	363.3	386.7	410.8	437.9	467.4	497.3	523.1
60°	301.7	306.7	312.1	323.1	335.7	354.3	380.6	404.2	426.6	454.0	479.7
62.5°	275.9	280.8	287.2	296.0	308.1	325.8	347.8	368.2	391.6	415.4	434.6
65°	237.7	241.5	246.4	254.7	266.2	282.0	300.1	316.0	336.8	354.3	371.9
67.5°	195.7	203.0	209.5	216.2	225.9	240.7	253.8	269.0	283.1	296.2	312.1
70°	168.1	176.3	182.4	189.5	198.8	211.4	223.9	234.4	245.9	258.5	272.7
72.5°	144.9	151.4	156.1	163.7	172.1	183.8	195.5	204.1	213.5	222.1	235.9
75°	114.5	117.2	120.5	126.5	134.2	142.9	152.3	159.9	165.4	173.1	182.9
77.5°	82.2	87.5	89.7	94.0	99.4	105.0	111.1	117.6	122.8	125.5	133.1
80°	63.0	65.2	67.3	73.4	76.7	82.1	86.5	92.5	94.7	97.5	104.6
82.5°	49.0	50.3	51.6	53.2	55.2	60.7	65.0	68.9	71.1	72.1	77.5
85°	28.4	29.0	29.5	30.1	30.7	30.7	32.9	35.6	39.5	39.5	41.0
87.5°	15.2	15.4	14.9	14.0	14.5	14.1	14.0	13.4	14.2	14.9	15.6
90°	27.9	26.3	24.2	22.0	19.9	17.8	15.3	12.4	9.4	6.5	3.6
92.5°	48.2	47.3	45.8	44.4	42.9	41.4	39.0	35.6	32.2	28.9	25.6
95°	91.6	90.8	89.0	87.1	85.2	83.3	81.2	78.8	76.4	74.1	71.7
97.5°	144.5	143.5	141.4	139.2	137.0	134.9	132.8	130.9	129.0	127.1	125.2
100°	183.3	182.8	180.4	178.0	175.6	173.2	171.5	170.4	169.4	168.3	167.2
102.5°	223.6	222.9	220.7	218.6	216.3	214.2	212.9	212.5	212.1	211.6	211.2
105°	285.1	284.3	283.2	282.2	281.1	280.0	279.4	279.1	278.8	278.6	278.3
107.5°	351.6	350.9	350.8	350.6	350.5	350.3	350.1	349.7	349.4	349.1	348.8
110°	397.2	397.8	398.0	398.3	398.5	398.9	398.7	398.2	397.6	397.1	396.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	444.5	444.6	445.0	445.5	446.0	446.5	446.7	446.6	446.5	446.4	446.2
115°	518.2	518.4	519.0	519.4	520.0	520.5	520.8	520.8	520.8	520.8	520.8
117.5°	589.4	590.3	590.7	591.0	591.4	591.8	591.9	591.7	591.4	591.2	591.0
120°	637.7	639.1	639.8	640.6	641.4	642.2	642.1	641.0	640.0	638.9	637.9
122.5°	686.0	686.8	687.2	687.5	687.9	688.3	688.2	687.9	687.5	687.0	686.6
125°	756.8	757.3	757.6	757.8	758.1	758.4	758.5	758.5	758.5	758.5	758.5
127.5°	824.8	825.4	825.9	826.2	826.6	827.1	826.9	826.1	825.3	824.5	823.7
130°	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.0	871.2	870.4	869.6
132.5°	917.6	918.1	918.3	918.5	918.7	918.9	918.8	918.1	917.6	917.0	916.4
135°	984.9	985.5	985.5	985.5	985.5	985.5	984.7	983.1	981.4	979.9	978.3
137.5°	1050.2	1050.9	1050.5	1050.0	1049.6	1049.2	1048.6	1047.9	1047.1	1046.4	1045.7
140°	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.2	1091.6	1091.1	1090.6
142.5°	1133.1	1133.1	1133.3	1133.5	1133.7	1133.9	1133.8	1133.2	1132.7	1132.2	1131.6
145°	1194.2	1194.5	1194.2	1194.0	1193.7	1193.4	1192.8	1191.7	1190.6	1189.5	1188.5
147.5°	1249.4	1249.7	1249.9	1250.1	1250.3	1250.5	1250.0	1248.7	1247.4	1246.2	1244.9
150°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1283.6	1282.5	1281.4	1280.3	1279.3
152.5°	1316.2	1315.6	1315.4	1315.2	1314.9	1314.8	1314.3	1313.7	1313.0	1312.4	1311.8
155°	1361.6	1360.5	1360.8	1361.0	1361.3	1361.6	1361.7	1361.7	1361.7	1361.7	1361.7
157.5°	1402.2	1401.4	1401.4	1401.4	1401.5	1401.6	1401.8	1402.3	1402.8	1403.3	1403.7
160°	1427.0	1426.2	1426.5	1426.7	1427.0	1427.3	1427.5	1427.8	1428.1	1428.3	1428.6
162.5°	1448.7	1447.2	1447.5	1447.8	1448.0	1448.3	1448.7	1449.5	1450.2	1450.9	1451.5
165°	1478.0	1476.4	1476.9	1477.4	1478.0	1478.5	1479.2	1480.0	1480.7	1481.5	1482.3
167.5°	1502.8	1501.3	1501.2	1501.1	1501.1	1501.0	1501.6	1502.7	1503.8	1504.9	1506.0
170°	1516.2	1514.6	1514.3	1514.1	1513.8	1513.5	1514.1	1515.4	1516.7	1518.1	1519.4
172.5°	1526.0	1524.2	1524.1	1524.1	1524.0	1523.9	1524.5	1525.6	1526.7	1527.8	1528.9
175°	1536.8	1534.9	1535.2	1535.4	1535.7	1536.0	1536.8	1538.1	1539.4	1540.7	1542.1
177.5°	1543.1	1541.6	1541.6	1541.6	1541.6	1541.6	1542.1	1543.2	1544.3	1545.3	1546.3
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1367.5	1371.5	1375.9	1384.2	1391.2	1394.3	1400.4	1404.8	1403.5	1409.6	1420.1
5°	1372.9	1387.7	1404.7	1422.2	1441.9	1458.3	1471.5	1484.6	1495.1	1507.7	1526.3
7.5°	1372.1	1398.4	1427.0	1458.3	1490.6	1518.6	1544.4	1570.7	1594.0	1619.6	1653.0
10°	1368.6	1403.6	1439.2	1480.3	1521.3	1560.2	1595.3	1628.1	1659.4	1692.7	1735.0
12.5°	1364.6	1404.9	1448.0	1497.4	1548.5	1595.3	1636.5	1683.8	1722.8	1765.9	1814.7
15°	1347.2	1401.4	1460.0	1524.1	1585.4	1648.4	1704.8	1762.8	1817.0	1868.5	1929.9
17.5°	1327.2	1389.8	1458.9	1534.6	1608.3	1684.9	1751.8	1825.0	1880.4	1949.5	2006.4
20°	1311.1	1378.4	1452.3	1537.2	1621.0	1705.9	1779.8	1854.3	1916.8	1986.3	2058.6
22.5°	1291.3	1365.2	1445.3	1533.3	1621.0	1713.8	1795.6	1869.6	1946.9	2025.3	2099.8
25°	1259.6	1336.3	1421.1	1517.5	1618.3	1713.0	1800.6	1892.6	1975.9	2060.8	2127.6
27.5°	1220.6	1301.1	1390.6	1490.0	1593.4	1690.4	1793.7	1891.7	1975.5	2057.1	2115.4
30°	1189.5	1274.4	1360.3	1461.1	1568.4	1672.5	1783.1	1881.1	1969.3	2042.7	2075.5
32.5°	1157.5	1238.0	1326.6	1428.7	1538.7	1650.6	1760.3	1860.5	1942.1	1986.2	1987.0
35°	1101.8	1177.4	1269.4	1369.7	1482.5	1604.0	1715.2	1813.8	1863.6	1867.4	1813.8
37.5°	1041.2	1110.5	1197.4	1297.7	1421.3	1542.1	1655.7	1721.4	1738.1	1682.4	1583.1
40°	997.8	1061.8	1145.7	1248.6	1371.3	1496.1	1599.7	1647.8	1630.3	1539.9	1429.3
42.5°	952.2	1011.9	1092.7	1194.3	1317.4	1443.6	1531.8	1557.6	1511.2	1406.8	1277.3
45°	877.9	932.6	1012.6	1115.0	1233.3	1351.5	1418.4	1405.3	1328.0	1204.3	1059.1
47.5°	800.4	853.3	925.3	1020.0	1141.1	1243.3	1288.5	1248.9	1139.0	1002.8	884.8
50°	749.2	803.4	869.7	960.0	1070.6	1169.2	1198.3	1138.0	1015.9	884.9	776.6
52.5°	698.8	745.1	810.1	897.4	1003.1	1086.4	1101.8	1032.4	906.3	789.0	692.8
55°	622.1	664.3	719.1	801.2	892.6	963.3	955.1	865.9	751.4	651.2	575.6
57.5°	548.0	579.7	630.3	707.3	787.6	835.0	805.0	728.9	622.3	540.2	476.4
60°	498.9	528.5	575.6	642.9	713.6	740.4	715.2	632.6	548.2	473.2	419.5
62.5°	452.5	478.6	519.0	581.6	638.7	654.5	627.6	555.4	479.4	415.3	370.9
65°	385.0	409.1	443.6	488.0	527.4	535.0	517.5	443.6	386.1	332.4	301.7
67.5°	323.8	339.5	366.5	404.8	425.7	430.2	396.4	349.9	299.2	266.3	243.1
70°	282.6	293.5	318.7	339.5	356.5	357.0	325.8	288.6	249.7	222.9	205.9
72.5°	242.7	253.3	272.3	286.5	299.5	295.3	266.7	237.3	205.9	185.7	173.1
75°	187.3	196.6	206.4	213.0	213.0	207.6	186.7	164.9	146.8	134.8	130.9
77.5°	136.2	143.8	147.1	146.1	144.2	135.6	122.5	108.1	101.6	95.9	93.1
80°	106.8	110.1	111.1	108.4	105.1	95.3	86.5	80.5	74.5	72.3	71.2
82.5°	79.2	82.1	79.2	79.9	72.7	64.6	59.8	57.8	55.2	54.3	53.2
85°	42.1	41.6	40.6	37.8	32.9	31.8	31.2	30.7	29.5	30.1	29.0
87.5°	15.8	15.1	13.9	14.0	14.5	14.0	14.9	15.4	15.8	15.7	16.9
90°	6.5	9.4	12.4	15.3	17.8	19.9	22.0	24.2	26.3	27.9	29.5
92.5°	28.9	32.2	35.6	39.0	41.4	42.9	44.4	45.8	47.3	48.2	49.2
95°	74.1	76.4	78.8	81.2	83.3	85.2	87.1	89.0	90.8	91.6	92.4
97.5°	127.1	129.0	130.9	132.8	134.9	137.0	139.2	141.4	143.5	144.5	145.5
100°	168.3	169.4	170.4	171.5	173.2	175.6	178.0	180.4	182.8	183.3	183.8
102.5°	211.6	212.1	212.5	212.9	214.2	216.3	218.6	220.7	222.9	223.6	224.3
105°	278.6	278.8	279.1	279.4	280.0	281.1	282.2	283.2	284.3	285.1	285.9
107.5°	349.1	349.4	349.7	350.1	350.3	350.5	350.6	350.8	350.9	351.6	352.4
110°	397.1	397.6	398.2	398.7	398.9	398.5	398.3	398.0	397.8	397.2	396.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	446.4	446.5	446.6	446.7	446.5	446.0	445.5	445.0	444.6	444.5	444.3
115°	520.8	520.8	520.8	520.8	520.5	520.0	519.4	519.0	518.4	518.2	517.8
117.5°	591.2	591.4	591.7	591.9	591.8	591.4	591.0	590.7	590.3	589.4	588.5
120°	638.9	640.0	641.0	642.1	642.2	641.4	640.6	639.8	639.1	637.7	636.4
122.5°	687.0	687.5	687.9	688.2	688.3	687.9	687.5	687.2	686.8	686.0	685.0
125°	758.5	758.5	758.5	758.5	758.4	758.1	757.8	757.6	757.3	756.8	756.2
127.5°	824.5	825.3	826.1	826.9	827.1	826.6	826.2	825.9	825.4	824.8	824.3
130°	870.4	871.2	872.0	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.1
132.5°	917.0	917.6	918.1	918.8	918.9	918.7	918.5	918.3	918.1	917.6	917.0
135°	979.9	981.4	983.1	984.7	985.5	985.5	985.5	985.5	985.5	984.9	984.4
137.5°	1046.4	1047.1	1047.9	1048.6	1049.2	1049.6	1050.0	1050.5	1050.9	1050.2	1049.6
140°	1091.1	1091.6	1092.2	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.4
142.5°	1132.2	1132.7	1133.2	1133.8	1133.9	1133.7	1133.5	1133.3	1133.1	1133.1	1133.0
145°	1189.5	1190.6	1191.7	1192.8	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2	1194.0
147.5°	1246.2	1247.4	1248.7	1250.0	1250.5	1250.3	1250.1	1249.9	1249.7	1249.4	1249.3
150°	1280.3	1281.4	1282.5	1283.6	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1312.4	1313.0	1313.7	1314.3	1314.8	1314.9	1315.2	1315.4	1315.6	1316.2	1316.8
155°	1361.7	1361.7	1361.7	1361.7	1361.6	1361.3	1361.0	1360.8	1360.5	1361.6	1362.6
157.5°	1403.3	1402.8	1402.3	1401.8	1401.6	1401.5	1401.4	1401.4	1401.4	1402.2	1403.0
160°	1428.3	1428.1	1427.8	1427.5	1427.3	1427.0	1426.7	1426.5	1426.2	1427.0	1427.8
162.5°	1450.9	1450.2	1449.5	1448.7	1448.3	1448.0	1447.8	1447.5	1447.2	1448.7	1450.1
165°	1481.5	1480.7	1480.0	1479.2	1478.5	1478.0	1477.4	1476.9	1476.4	1478.0	1479.6
167.5°	1504.9	1503.8	1502.7	1501.6	1501.0	1501.1	1501.1	1501.2	1501.3	1502.8	1504.4
170°	1518.1	1516.7	1515.4	1514.1	1513.5	1513.8	1514.1	1514.3	1514.6	1516.2	1517.8
172.5°	1527.8	1526.7	1525.6	1524.5	1523.9	1524.0	1524.1	1524.1	1524.2	1526.0	1527.8
175°	1540.7	1539.4	1538.1	1536.8	1536.0	1535.7	1535.4	1535.2	1534.9	1536.8	1538.7
177.5°	1545.3	1544.3	1543.2	1542.1	1541.6	1541.6	1541.6	1541.6	1541.6	1543.1	1544.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2	1359.2
2.5°	1425.8	1427.6	1428.9	1433.3	1433.7	1437.7	1433.7
5°	1543.8	1551.5	1563.5	1575.6	1576.7	1584.3	1570.7
7.5°	1676.1	1693.8	1704.9	1724.4	1732.1	1736.9	1729.0
10°	1767.2	1783.7	1812.7	1826.9	1841.2	1843.3	1836.8
12.5°	1855.3	1881.4	1904.2	1931.2	1930.5	1949.8	1942.8
15°	1972.6	1999.5	2031.2	2061.3	2072.3	2072.3	2081.1
17.5°	2056.3	2105.5	2138.3	2161.9	2187.8	2192.3	2189.3
20°	2112.8	2165.9	2201.0	2231.7	2249.2	2254.1	2254.1
22.5°	2154.8	2200.0	2234.3	2261.8	2276.3	2282.1	2280.4
25°	2184.0	2222.9	2243.7	2251.9	2255.7	2254.6	2244.3
27.5°	2144.1	2142.4	2129.2	2104.0	2085.1	2073.6	2060.5
30°	2067.9	2039.4	2006.5	1970.4	1923.9	1888.2	1877.3
32.5°	1954.4	1890.5	1834.8	1774.6	1724.5	1688.9	1674.0
35°	1735.0	1633.6	1550.9	1478.6	1426.1	1393.2	1382.3
37.5°	1474.5	1376.4	1274.1	1204.0	1160.3	1127.1	1114.8
40°	1308.8	1202.1	1112.8	1047.1	1002.2	969.9	969.3
42.5°	1157.7	1055.7	971.8	924.4	876.0	854.6	854.5
45°	947.9	866.3	795.2	758.0	728.9	711.4	706.5
47.5°	784.9	717.4	669.9	640.3	616.6	605.5	598.3
50°	693.3	634.1	596.4	570.6	557.5	543.3	542.2
52.5°	617.1	569.3	539.9	519.0	502.3	493.8	494.0
55°	518.6	480.9	460.0	444.1	431.0	424.5	421.7
57.5°	436.9	408.5	393.4	378.8	373.3	368.1	366.7
60°	386.1	366.9	352.7	341.2	333.0	331.3	330.7
62.5°	344.0	324.0	314.1	305.2	299.2	296.7	295.7
65°	283.7	268.9	260.2	253.0	250.8	247.0	246.4
67.5°	228.7	219.8	214.0	209.1	206.1	205.9	205.9
70°	195.0	190.0	185.1	182.4	180.7	179.6	179.6
72.5°	166.0	162.4	158.4	156.9	156.6	155.5	155.1
75°	126.5	122.7	123.2	120.5	118.3	115.6	113.9
77.5°	89.7	87.0	86.4	86.1	84.2	83.9	84.8
80°	69.6	66.8	66.2	66.8	66.2	64.6	64.6
82.5°	52.9	50.6	50.1	49.7	49.2	49.7	48.9
85°	28.4	27.4	27.4	27.4	28.4	28.0	27.4
87.5°	16.3	16.2	16.8	16.5	16.6	16.2	16.8
90°	31.1	32.6	33.7	34.2	34.8	35.3	35.8
92.5°	50.1	51.1	51.7	52.0	52.4	52.7	53.0
95°	93.2	94.0	94.3	94.3	94.3	94.3	94.3
97.5°	146.5	147.4	147.9	147.9	147.9	147.9	147.9
100°	184.3	184.9	185.1	185.1	185.1	185.1	185.1
102.5°	225.1	225.9	226.3	226.6	226.8	227.0	227.2
105°	286.7	287.5	288.3	289.1	289.9	290.7	291.4
107.5°	353.2	353.9	354.3	354.2	354.2	354.1	354.0
110°	396.2	395.6	395.8	396.6	397.4	398.2	398.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	444.3	444.2	444.2	444.3	444.5	444.7	444.8
115°	517.6	517.4	517.1	516.8	516.6	516.3	516.0
117.5°	587.6	586.7	586.0	585.4	584.9	584.4	583.8
120°	635.1	633.7	633.3	633.9	634.4	634.9	635.5
122.5°	684.1	683.3	682.3	681.4	680.4	679.5	678.5
125°	755.7	755.2	754.6	754.1	753.6	753.0	752.5
127.5°	823.8	823.2	822.8	822.4	822.0	821.5	821.1
130°	871.6	871.0	870.2	869.2	868.2	867.0	866.0
132.5°	916.5	915.9	915.4	915.0	914.7	914.2	913.8
135°	983.9	983.3	982.6	981.8	981.0	980.2	979.5
137.5°	1048.8	1048.1	1047.9	1048.1	1048.2	1048.4	1048.5
140°	1092.2	1091.9	1091.6	1091.4	1091.1	1090.8	1090.6
142.5°	1132.9	1132.9	1132.8	1132.7	1132.7	1132.7	1132.6
145°	1193.7	1193.4	1192.9	1192.1	1191.3	1190.5	1189.7
147.5°	1249.0	1248.8	1248.6	1248.3	1248.1	1247.8	1247.5
150°	1284.0	1284.0	1284.0	1283.7	1283.4	1283.2	1282.9
152.5°	1317.5	1318.1	1318.1	1317.4	1316.8	1316.1	1315.3
155°	1363.7	1364.8	1364.8	1363.7	1362.6	1361.6	1360.5
157.5°	1403.7	1404.5	1404.5	1403.6	1402.7	1401.8	1400.9
160°	1428.6	1429.4	1429.1	1427.8	1426.5	1425.1	1423.8
162.5°	1451.5	1452.9	1453.0	1451.7	1450.4	1449.1	1447.7
165°	1481.1	1482.7	1483.0	1481.9	1480.9	1479.8	1478.8
167.5°	1506.0	1507.6	1507.6	1505.9	1504.3	1502.6	1500.9
170°	1519.4	1521.0	1520.8	1519.0	1517.1	1515.3	1513.4
172.5°	1529.5	1531.4	1531.4	1529.5	1527.6	1525.7	1523.9
175°	1540.5	1542.4	1542.4	1540.5	1538.7	1536.8	1534.9
177.5°	1546.0	1547.5	1547.4	1545.7	1544.0	1542.4	1540.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4

(END OF REPORT)