

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: P333472-940

Luminaire Tested: **S125DIW-S1270D1050U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333472-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1270D1050U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8359.7 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

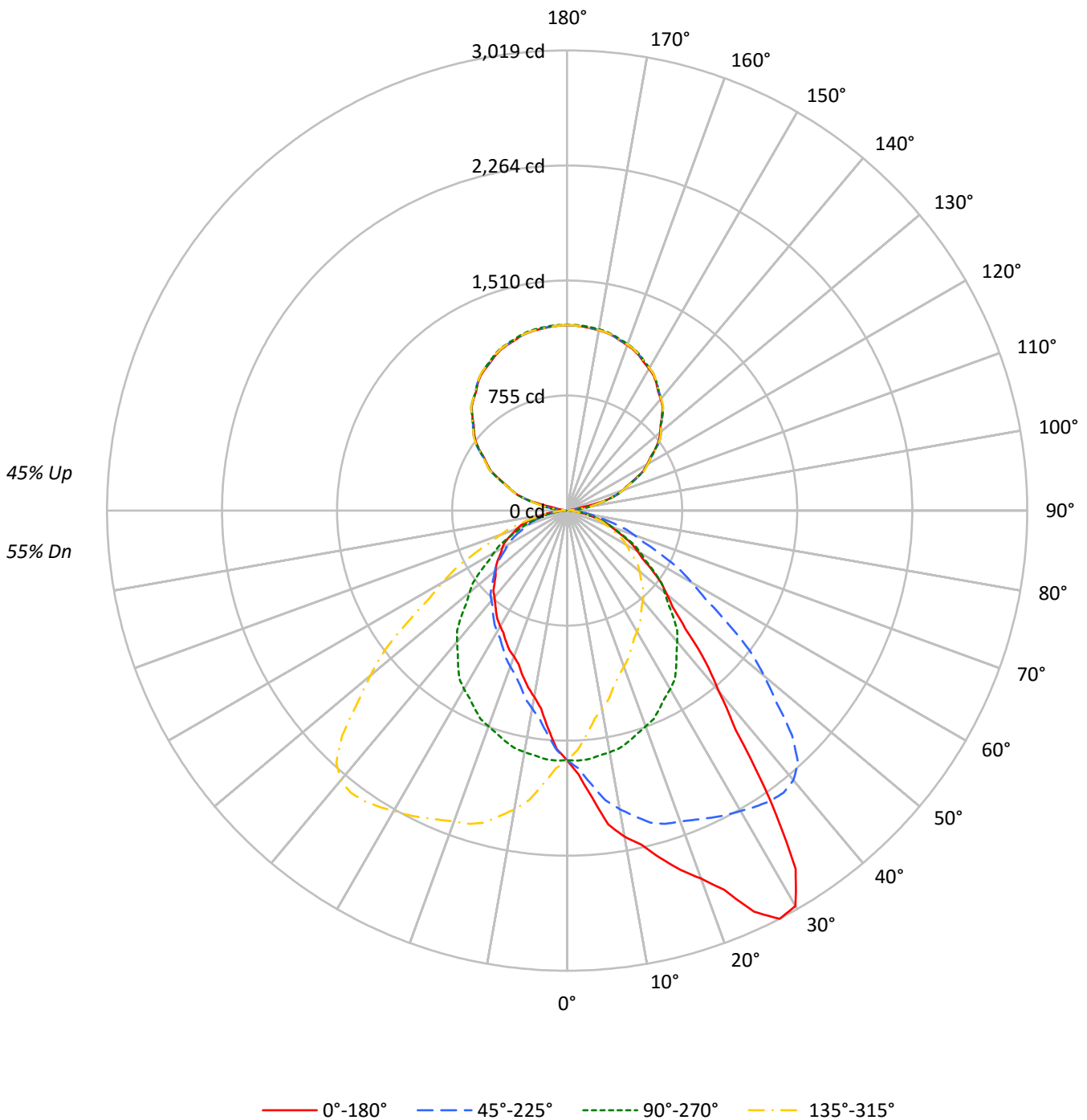
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	74	71	65	63	61	54	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	35	31	29	25
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	16	15

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

	0°	90°	180°	270°
0°	10577	10577	10577	10577
5°	12248	10613	9292	10613
10°	14250	10558	8141	10558
15°	15774	10480	7511	10480
20°	17657	10357	7003	10357
25°	20685	10219	6757	10219
30°	22342	10082	6542	10082
35°	18370	9826	6401	9826
40°	13057	9470	6247	9470
45°	10030	8990	6158	8990
50°	8562	8395	6146	8395
55°	7624	7812	6199	7812
60°	6877	7174	6356	7174
65°	6353	6533	6522	6533
70°	5776	5867	6617	5867
75°	5100	5168	6558	5168
80°	4292	4214	5995	4214
85°	3394	3038	4846	3038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	1.9
10°-20°	469.4	5.6
20°-30°	762.2	9.1
30°-40°	929.8	11.1
40°-50°	845.8	10.1
50°-60°	673.7	8.1
60°-70°	469.3	5.6
70°-80°	250.2	3.0
80°-90°	65.7	0.8
90°-100°	44.2	0.5
100°-110°	272.5	3.3
110°-120°	494.2	5.9
120°-130°	634.2	7.6
130°-140°	682.1	8.2
140°-150°	640.3	7.7
150°-160°	517.9	6.2
160°-170°	335.0	4.0
170°-180°	115.5	1.4
0°-30°	1389.3	16.6
0°-40°	2319.0	27.7
0°-60°	3838.6	45.9
0°-90°	4623.8	55.3
90°-120°	810.9	9.7
90°-150°	2767.5	33.1
90°-180°	3736.0	44.7
0°-180°	8359.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1889	1637	1433	1637	1889	190
15°	2359	1567	1123	1567	2359	675
25°	2903	1434	948	1434	2903	1326
35°	2330	1246	812	1246	2330	1426
45°	1098	984	674	984	1098	879
55°	677	694	550	694	677	610
65°	416	428	427	428	416	413
75°	204	207	263	207	204	220
85°	46	41	65	41	46	53
90°	22	1	22	1	22	11
95°	19	51	19	51	19	16
105°	268	265	268	265	268	242
115°	494	498	494	498	494	491
125°	708	708	708	708	708	630
135°	879	883	879	883	879	679
145°	1021	1024	1021	1024	1021	638
155°	1119	1127	1119	1127	1119	516
165°	1183	1190	1183	1190	1183	334
175°	1211	1217	1211	1217	1211	115
180°	1217	1217	1217	1217	1217	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1732.2	1730.0	1727.8	1723.3	1726.6	1717.2	1712.7	1705.0	1695.5	1692.2	1688.3
5°	1889.3	1892.7	1896.2	1881.7	1883.0	1873.3	1851.1	1833.0	1818.4	1799.7	1786.5
7.5°	2078.4	2070.2	2069.5	2060.0	2043.8	2030.7	2007.3	1977.5	1948.8	1916.0	1888.9
10°	2172.9	2173.6	2167.4	2156.2	2138.9	2126.4	2095.8	2066.5	2031.1	1989.4	1959.5
12.5°	2244.1	2247.0	2239.1	2224.1	2215.5	2187.5	2163.6	2128.9	2086.7	2053.3	2007.9
15°	2359.2	2351.5	2346.0	2327.2	2312.7	2283.4	2245.2	2209.0	2163.2	2120.8	2078.4
17.5°	2470.1	2476.3	2465.8	2448.7	2403.4	2369.4	2318.1	2268.5	2211.4	2154.6	2104.0
20°	2569.1	2574.7	2558.7	2528.8	2474.6	2440.5	2373.1	2309.2	2243.1	2170.2	2114.5
22.5°	2692.6	2688.2	2666.6	2621.1	2574.1	2511.1	2438.2	2360.3	2277.6	2195.1	2121.2
25°	2902.8	2873.5	2860.3	2804.1	2742.2	2649.7	2549.7	2435.6	2332.8	2223.7	2129.1
27.5°	3019.2	3010.1	2995.3	2956.2	2891.1	2792.2	2674.2	2535.3	2390.2	2252.5	2128.7
30°	2995.9	2997.3	2998.7	2986.2	2944.5	2870.1	2752.6	2603.2	2430.8	2275.8	2132.6
32.5°	2789.1	2814.3	2838.6	2867.2	2878.9	2864.5	2791.0	2656.0	2478.6	2302.5	2130.4
35°	2330.0	2337.6	2416.2	2494.0	2599.7	2681.7	2736.7	2676.8	2527.4	2325.1	2127.7
37.5°	1816.8	1854.3	1908.6	1996.6	2149.1	2285.6	2461.2	2542.0	2493.8	2332.5	2122.9
40°	1548.7	1583.5	1618.9	1708.6	1837.2	2002.6	2202.1	2372.4	2412.0	2309.2	2106.2
42.5°	1341.8	1369.4	1408.7	1476.1	1583.6	1730.1	1920.7	2143.3	2280.2	2241.3	2071.2
45°	1098.2	1115.6	1146.2	1199.8	1277.6	1392.3	1560.5	1803.8	2015.8	2086.0	1988.0
47.5°	940.0	940.0	963.7	1000.7	1056.9	1154.3	1278.7	1469.4	1695.8	1863.3	1855.6
50°	852.2	848.7	867.5	899.5	944.0	1008.6	1127.5	1279.7	1497.3	1687.0	1739.8
52.5°	776.6	776.9	788.5	812.2	849.4	904.6	993.5	1130.7	1316.5	1511.3	1610.9
55°	677.1	674.2	687.4	703.5	730.6	766.7	830.6	935.6	1086.5	1278.3	1407.6
57.5°	585.9	593.5	598.8	609.9	632.4	656.6	710.5	787.6	907.2	1071.8	1208.5
60°	532.4	540.1	544.3	555.4	573.5	594.3	636.1	698.6	799.4	941.2	1076.7
62.5°	484.6	490.6	492.0	502.0	516.7	537.1	569.9	622.4	702.0	826.1	958.9
65°	415.7	415.7	418.5	428.9	435.9	453.9	478.9	517.2	581.1	677.7	791.0
67.5°	349.2	352.6	351.9	356.4	362.8	376.9	394.8	426.4	473.8	544.3	634.9
70°	305.9	308.6	307.9	311.4	318.3	327.4	342.0	371.8	405.9	466.5	544.3
72.5°	266.9	268.0	266.3	270.8	275.0	282.9	299.2	315.1	347.0	398.1	462.0
75°	204.4	205.7	207.1	209.9	214.1	218.3	226.6	242.6	263.4	301.7	342.7
77.5°	153.2	150.5	153.9	153.5	155.9	159.1	166.4	174.9	192.0	216.2	247.9
80°	115.4	116.1	116.1	116.8	120.3	122.3	128.6	134.8	148.0	166.1	188.4
82.5°	84.3	86.1	85.0	86.2	89.1	90.6	94.1	99.2	106.9	121.1	137.2
85°	45.8	42.4	43.8	45.2	45.2	45.8	48.7	50.7	54.9	60.5	66.7
87.5°	17.7	18.6	19.1	19.0	19.4	19.3	21.3	21.0	22.6	24.0	25.9
90°	21.7	21.0	20.4	19.9	19.3	18.5	17.5	16.4	15.4	14.4	13.0
92.5°	20.2	19.9	19.6	19.4	19.1	18.5	17.5	16.4	15.4	14.4	13.2
95°	18.9	18.9	18.9	18.9	18.9	18.5	17.5	16.4	15.4	14.4	22.0
97.5°	18.9	18.9	18.9	18.9	18.9	21.8	27.4	33.1	38.7	44.4	59.5
100°	18.9	19.7	20.5	21.3	22.1	37.5	67.3	97.2	127.1	156.9	156.1
102.5°	113.4	127.1	140.7	154.4	168.0	177.6	183.2	188.9	194.6	200.2	199.7
105°	267.9	268.0	268.2	268.5	268.7	268.8	268.8	268.8	268.8	268.8	268.8
107.5°	337.7	338.2	338.9	339.5	340.1	340.4	340.3	340.3	340.2	340.2	339.7
110°	386.0	385.8	385.6	385.4	385.2	385.4	386.0	386.6	387.2	387.8	387.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	429.3	429.5	429.8	430.2	430.4	431.0	431.7	432.5	433.2	434.0	433.7
115°	494.2	495.4	496.6	497.8	499.0	500.0	500.8	501.6	502.4	503.2	503.0
117.5°	563.5	564.0	564.5	565.1	565.5	566.3	567.4	568.5	569.4	570.5	569.7
120°	606.0	607.1	608.1	609.0	610.0	610.7	611.2	611.5	612.0	612.3	611.7
122.5°	646.5	647.6	648.8	650.0	651.1	651.8	652.3	652.6	653.1	653.4	653.2
125°	707.9	708.6	709.2	709.8	710.3	711.1	711.9	712.7	713.5	714.3	714.3
127.5°	759.7	761.2	762.7	764.2	765.6	766.6	767.0	767.5	767.9	768.4	768.5
130°	797.3	798.3	799.2	800.2	801.2	802.0	802.6	803.3	803.9	804.4	804.2
132.5°	831.9	832.9	833.8	834.9	835.9	836.4	836.5	836.7	836.8	837.0	837.3
135°	879.3	880.5	881.7	882.9	884.1	884.9	885.3	885.7	886.1	886.5	886.9
137.5°	926.9	928.0	929.0	930.1	931.1	931.6	931.5	931.4	931.3	931.2	931.6
140°	955.0	956.3	957.4	958.7	959.8	960.3	959.8	959.5	959.0	958.7	958.9
142.5°	981.8	982.9	984.2	985.3	986.6	987.1	987.0	986.9	986.9	986.8	986.5
145°	1020.9	1022.1	1023.3	1024.5	1025.7	1026.2	1026.0	1025.8	1025.6	1025.4	1025.4
147.5°	1053.2	1054.6	1056.1	1057.5	1059.0	1059.5	1059.4	1059.1	1058.8	1058.5	1058.4
150°	1074.1	1075.7	1077.3	1078.9	1080.5	1081.1	1080.8	1080.3	1080.0	1079.5	1079.1
152.5°	1093.6	1095.0	1096.4	1097.9	1099.4	1099.8	1099.5	1099.0	1098.7	1098.2	1097.9
155°	1119.2	1120.8	1122.4	1124.0	1125.6	1126.1	1125.5	1124.9	1124.3	1123.7	1123.3
157.5°	1140.7	1142.3	1143.9	1145.5	1147.1	1147.5	1146.9	1146.3	1145.7	1145.0	1145.0
160°	1154.4	1156.0	1157.6	1159.2	1160.7	1161.2	1160.4	1159.6	1158.8	1158.0	1157.8
162.5°	1166.6	1168.4	1170.2	1171.9	1173.7	1174.0	1172.9	1171.8	1170.6	1169.5	1169.3
165°	1183.2	1184.8	1186.4	1188.0	1189.6	1189.8	1188.7	1187.4	1186.2	1185.0	1184.8
167.5°	1194.8	1196.6	1198.4	1200.2	1202.0	1202.2	1200.7	1199.3	1197.8	1196.4	1196.2
170°	1201.2	1203.1	1204.9	1206.7	1208.4	1208.6	1207.0	1205.4	1203.8	1202.2	1201.9
172.5°	1205.6	1207.4	1209.2	1211.0	1212.8	1213.0	1211.6	1210.1	1208.6	1207.2	1206.8
175°	1211.2	1213.0	1214.8	1216.6	1218.4	1218.5	1216.9	1215.3	1213.7	1212.1	1211.9
177.5°	1214.4	1215.8	1217.0	1218.3	1219.6	1219.7	1218.5	1217.4	1216.3	1215.1	1215.0
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1685.0	1681.1	1676.6	1668.8	1659.4	1654.4	1646.5	1641.6	1631.6	1623.2	1614.4
5°	1770.4	1752.4	1735.7	1714.1	1690.5	1675.2	1657.2	1637.0	1616.1	1594.6	1570.9
7.5°	1859.0	1827.0	1792.2	1754.9	1718.3	1684.6	1652.5	1621.0	1591.5	1555.9	1525.8
10°	1918.5	1878.2	1835.1	1784.3	1735.0	1691.9	1648.1	1609.9	1570.9	1529.2	1492.4
12.5°	1978.0	1924.3	1863.4	1807.7	1748.4	1696.3	1644.8	1596.0	1547.0	1500.8	1457.9
15°	2020.0	1972.7	1916.4	1837.2	1770.4	1698.9	1630.8	1567.4	1508.4	1457.0	1402.8
17.5°	2047.6	1986.7	1926.3	1850.2	1762.8	1682.7	1605.5	1533.1	1466.5	1401.3	1349.1
20°	2052.6	1990.1	1926.8	1852.4	1762.8	1671.1	1593.8	1507.0	1435.4	1368.0	1304.0
22.5°	2051.0	1980.0	1911.3	1834.7	1747.2	1662.7	1569.4	1480.9	1403.1	1336.9	1270.1
25°	2035.2	1959.5	1873.3	1796.2	1709.9	1620.3	1525.8	1434.0	1354.8	1279.0	1213.0
27.5°	2022.2	1924.0	1826.3	1736.3	1653.1	1570.9	1480.4	1386.4	1298.6	1221.8	1159.6
30°	2006.1	1898.4	1788.5	1694.7	1609.2	1529.2	1443.8	1352.0	1260.3	1185.2	1118.5
32.5°	1991.6	1866.1	1750.2	1648.0	1557.5	1479.7	1400.9	1313.6	1223.5	1147.4	1080.6
35°	1963.7	1818.4	1685.6	1570.2	1473.6	1393.7	1327.7	1246.3	1163.6	1089.9	1026.0
37.5°	1928.2	1755.9	1613.4	1492.4	1386.4	1302.3	1240.7	1178.3	1098.9	1028.0	970.1
40°	1900.4	1711.4	1560.5	1436.8	1327.0	1239.4	1182.4	1123.3	1057.3	991.2	930.1
42.5°	1865.4	1671.3	1507.2	1373.9	1265.2	1179.9	1120.1	1069.9	1011.6	950.1	893.3
45°	1801.0	1598.7	1420.8	1277.6	1167.8	1083.7	1021.8	984.3	940.5	882.1	834.1
47.5°	1706.4	1511.5	1327.5	1179.7	1066.4	988.5	930.5	894.5	863.6	820.2	776.7
50°	1622.4	1446.5	1260.3	1113.6	1000.2	921.7	868.2	835.5	809.1	775.7	738.9
52.5°	1528.4	1364.8	1194.1	1049.1	936.8	859.4	807.0	778.3	756.3	732.4	696.1
55°	1379.1	1240.1	1081.6	944.0	840.3	764.6	718.7	693.8	675.6	657.5	635.3
57.5°	1214.6	1105.9	965.5	839.7	744.3	675.4	632.6	608.2	594.1	584.9	571.8
60°	1098.9	1005.8	884.8	770.2	677.1	615.9	574.2	555.4	543.6	535.9	526.2
62.5°	991.7	915.2	803.2	698.5	617.0	559.1	521.9	503.6	492.4	488.7	480.6
65°	833.4	774.4	681.9	595.0	525.5	476.2	444.9	427.5	420.5	416.3	417.1
67.5°	677.6	641.6	567.3	493.2	437.7	396.4	371.3	358.0	354.5	348.9	348.8
70°	582.5	555.4	492.8	428.2	378.8	346.9	324.6	310.7	307.2	304.4	303.8
72.5°	498.6	474.7	420.5	368.7	324.3	296.2	277.9	269.6	263.9	262.2	262.1
75°	374.7	361.5	318.3	277.3	246.7	227.3	214.8	207.1	203.0	202.2	203.0
77.5°	266.4	254.9	227.5	198.4	179.1	164.3	153.7	151.1	146.4	146.5	145.8
80°	200.2	192.5	175.1	152.2	136.3	123.8	118.2	113.3	111.9	109.9	111.9
82.5°	145.2	137.0	125.1	110.5	97.3	89.8	84.3	82.8	81.9	80.9	81.3
85°	71.6	72.3	65.4	54.2	48.7	44.5	41.0	41.0	40.3	39.6	40.3
87.5°	26.8	25.4	22.9	21.0	17.8	15.9	15.0	15.2	13.8	13.6	14.4
90°	11.6	10.3	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7
92.5°	11.9	10.7	9.5	9.4	10.5	11.7	12.8	13.9	12.8	11.7	10.5
95°	29.7	37.3	44.9	49.0	49.6	50.2	50.8	51.4	50.8	50.2	49.6
97.5°	74.5	89.6	104.7	111.6	110.6	109.5	108.4	107.4	108.4	109.5	110.6
100°	155.3	154.5	153.7	153.0	152.4	151.8	151.2	150.6	151.2	151.8	152.4
102.5°	199.2	198.8	198.3	197.7	196.9	196.2	195.4	194.7	195.4	196.2	196.9
105°	268.8	268.8	268.8	268.3	267.5	266.7	265.9	265.1	265.9	266.7	267.5
107.5°	339.4	338.9	338.6	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4
110°	387.0	386.6	386.2	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0





TEST NUMBER: P333472-940

CATALOG NUMBER: S125DIW-S1270D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	433.5	433.3	433.0	432.7	432.1	431.7	431.2	430.7	431.2	431.7	432.1
115°	502.8	502.7	502.4	501.9	500.8	499.8	498.8	497.8	498.8	499.8	500.8
117.5°	569.0	568.2	567.5	567.1	567.1	567.2	567.2	567.3	567.2	567.2	567.1
120°	611.2	610.6	609.9	609.8	609.9	610.1	610.4	610.6	610.4	610.1	609.9
122.5°	652.9	652.6	652.4	651.8	651.0	650.3	649.5	648.8	649.5	650.3	651.0
125°	714.3	714.3	714.3	713.5	712.1	710.8	709.4	707.9	709.4	710.8	712.1
127.5°	768.7	768.7	768.8	768.4	767.4	766.4	765.4	764.4	765.4	766.4	767.4
130°	804.1	803.9	803.6	803.1	802.0	801.0	800.0	799.1	800.0	801.0	802.0
132.5°	837.8	838.2	838.7	838.3	837.1	836.0	834.8	833.7	834.8	836.0	837.1
135°	887.3	887.7	888.1	887.7	886.5	885.3	884.1	882.9	884.1	885.3	886.5
137.5°	932.0	932.4	932.7	932.4	931.3	930.2	929.3	928.2	929.3	930.2	931.3
140°	959.0	959.3	959.5	959.4	958.9	958.6	958.1	957.8	958.1	958.6	958.9
142.5°	986.2	986.0	985.7	985.4	985.2	985.0	984.7	984.4	984.7	985.0	985.2
145°	1025.4	1025.4	1025.4	1025.2	1024.8	1024.4	1024.0	1023.6	1024.0	1024.4	1024.8
147.5°	1058.1	1057.8	1057.7	1057.6	1057.7	1057.7	1057.8	1057.8	1057.8	1057.7	1057.7
150°	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1079.1	1078.7	1078.3
152.5°	1097.5	1097.1	1096.7	1096.9	1097.8	1098.7	1099.6	1100.5	1099.6	1098.7	1097.8
155°	1122.9	1122.5	1122.1	1122.5	1123.7	1124.9	1126.1	1127.3	1126.1	1124.9	1123.7
157.5°	1144.9	1144.9	1144.9	1145.1	1145.9	1146.7	1147.4	1148.1	1147.4	1146.7	1145.9
160°	1157.6	1157.4	1157.2	1157.7	1158.9	1160.1	1161.3	1162.5	1161.3	1160.1	1158.9
162.5°	1169.1	1168.9	1168.7	1169.2	1170.5	1171.6	1172.9	1174.0	1172.9	1171.6	1170.5
165°	1184.6	1184.5	1184.2	1184.7	1186.0	1187.1	1188.4	1189.5	1188.4	1187.1	1186.0
167.5°	1196.0	1195.8	1195.6	1196.1	1197.4	1198.6	1199.9	1201.0	1199.9	1198.6	1197.4
170°	1201.8	1201.6	1201.4	1201.9	1203.4	1204.8	1206.2	1207.6	1206.2	1204.8	1203.4
172.5°	1206.5	1206.1	1205.8	1206.3	1207.7	1209.1	1210.5	1211.9	1210.5	1209.1	1207.7
175°	1211.7	1211.5	1211.3	1211.7	1213.0	1214.2	1215.4	1216.6	1215.4	1214.2	1213.0
177.5°	1214.9	1214.7	1214.5	1215.0	1215.8	1216.8	1217.8	1218.8	1217.8	1216.8	1215.8
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333472-940

CATALOG NUMBER: S125DIW-S1270D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1609.3	1603.2	1598.2	1587.1	1580.9	1572.6	1565.9	1573.2	1565.4	1568.7	1563.7
5°	1559.2	1539.6	1525.8	1505.6	1488.3	1472.2	1460.4	1458.3	1452.8	1450.0	1441.6
7.5°	1498.8	1474.4	1450.5	1424.2	1401.9	1379.2	1364.8	1352.8	1344.9	1334.4	1327.4
10°	1463.2	1430.6	1402.8	1370.7	1342.9	1318.7	1299.1	1289.4	1280.4	1267.2	1262.3
12.5°	1419.2	1385.5	1351.6	1317.4	1290.7	1263.6	1246.9	1232.2	1225.9	1211.0	1209.5
15°	1366.5	1315.8	1282.5	1247.7	1210.9	1188.7	1174.7	1158.8	1151.8	1141.4	1133.7
17.5°	1303.8	1258.4	1216.7	1180.7	1149.1	1130.4	1113.1	1102.2	1090.2	1083.4	1070.9
20°	1258.1	1215.0	1173.3	1135.1	1110.8	1089.2	1075.3	1064.9	1052.4	1048.9	1036.4
22.5°	1219.8	1172.2	1132.2	1100.1	1073.5	1049.2	1034.2	1027.1	1018.5	1007.8	1005.2
25°	1157.4	1108.0	1074.0	1042.0	1018.3	996.1	985.7	976.6	968.3	960.6	957.9
27.5°	1103.4	1059.4	1018.9	990.0	969.4	949.1	940.0	929.0	922.8	916.7	909.2
30°	1065.6	1020.4	985.0	957.2	935.0	916.9	907.1	899.5	893.9	888.3	884.2
32.5°	1026.7	984.8	950.5	923.3	901.0	887.3	878.8	873.3	867.2	860.5	855.2
35°	975.3	929.3	896.0	872.4	855.0	844.5	834.8	829.9	823.0	823.0	817.4
37.5°	917.3	877.6	848.2	826.6	811.0	801.7	791.2	787.8	783.4	780.4	778.6
40°	882.8	846.0	818.1	796.6	779.9	772.2	763.9	758.4	755.5	752.1	750.7
42.5°	847.2	812.0	785.3	765.4	751.0	744.5	736.6	732.8	727.2	722.6	721.8
45°	793.1	759.0	734.8	718.7	706.2	698.6	693.8	685.4	682.6	677.1	676.4
47.5°	741.8	709.2	685.3	672.2	661.2	655.0	647.3	638.9	635.8	632.9	632.7
50°	703.5	673.6	651.3	638.8	628.4	619.4	611.7	606.1	604.0	604.0	605.5
52.5°	664.5	639.1	620.2	604.8	595.0	585.4	578.4	575.0	571.8	575.2	577.7
55°	607.5	581.8	567.9	553.3	543.6	532.4	529.0	527.6	525.5	531.1	533.9
57.5°	547.2	529.1	512.8	498.4	489.6	483.2	478.5	477.7	481.6	484.2	493.2
60°	508.8	487.9	473.4	462.3	451.8	447.6	446.3	444.9	447.6	455.3	467.1
62.5°	466.5	449.6	433.9	425.5	417.9	411.0	410.6	411.5	417.1	425.8	437.7
65°	404.6	389.9	379.5	369.8	363.6	359.4	360.8	363.6	369.8	381.7	394.8
67.5°	341.6	331.5	322.3	314.3	308.4	308.4	309.8	313.9	321.3	334.9	347.0
70°	301.0	289.9	282.2	278.7	273.8	271.1	275.3	282.2	288.5	301.0	311.4
72.5°	260.4	250.9	245.0	242.6	240.5	238.3	239.7	247.2	255.7	268.1	280.3
75°	200.2	196.7	192.5	189.8	187.7	189.0	190.5	197.4	204.4	217.6	231.5
77.5°	146.2	142.5	140.0	139.3	138.2	138.8	142.8	147.9	154.7	164.3	174.9
80°	110.5	109.1	107.7	107.0	107.0	107.7	113.3	116.8	123.1	132.1	140.4
82.5°	80.5	79.6	79.4	79.3	79.8	79.9	83.3	87.8	93.0	99.8	107.0
85°	42.4	41.0	43.1	43.8	42.4	44.5	45.8	48.7	50.7	54.2	57.7
87.5°	15.3	16.8	16.5	17.3	17.7	19.0	18.6	21.0	22.4	23.7	23.3
90°	7.3	8.8	10.3	11.6	13.0	14.4	15.4	16.4	17.5	18.5	19.3
92.5°	9.4	9.5	10.7	11.9	13.2	14.4	15.4	16.4	17.5	18.5	19.1
95°	49.0	44.9	37.3	29.7	22.0	14.4	15.4	16.4	17.5	18.5	18.9
97.5°	111.6	104.7	89.6	74.5	59.5	44.4	38.7	33.1	27.4	21.8	18.9
100°	153.0	153.7	154.5	155.3	156.1	156.9	127.1	97.2	67.3	37.5	22.1
102.5°	197.7	198.3	198.8	199.2	199.7	200.2	194.6	188.9	183.2	177.6	168.0
105°	268.3	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.7
107.5°	338.4	338.6	338.9	339.4	339.7	340.2	340.2	340.3	340.3	340.4	340.1
110°	386.0	386.2	386.6	387.0	387.4	387.8	387.2	386.6	386.0	385.4	385.2



TEST NUMBER: P333472-940

CATALOG NUMBER: S125DIW-S1270D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	432.7	433.0	433.3	433.5	433.7	434.0	433.2	432.5	431.7	431.0	430.4
115°	501.9	502.4	502.7	502.8	503.0	503.2	502.4	501.6	500.8	500.0	499.0
117.5°	567.1	567.5	568.2	569.0	569.7	570.5	569.4	568.5	567.4	566.3	565.5
120°	609.8	609.9	610.6	611.2	611.7	612.3	612.0	611.5	611.2	610.7	610.0
122.5°	651.8	652.4	652.6	652.9	653.2	653.4	653.1	652.6	652.3	651.8	651.1
125°	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.7	711.9	711.1	710.3
127.5°	768.4	768.8	768.7	768.7	768.5	768.4	767.9	767.5	767.0	766.6	765.6
130°	803.1	803.6	803.9	804.1	804.2	804.4	803.9	803.3	802.6	802.0	801.2
132.5°	838.3	838.7	838.2	837.8	837.3	837.0	836.8	836.7	836.5	836.4	835.9
135°	887.7	888.1	887.7	887.3	886.9	886.5	886.1	885.7	885.3	884.9	884.1
137.5°	932.4	932.7	932.4	932.0	931.6	931.2	931.3	931.4	931.5	931.6	931.1
140°	959.4	959.5	959.3	959.0	958.9	958.7	959.0	959.5	959.8	960.3	959.8
142.5°	985.4	985.7	986.0	986.2	986.5	986.8	986.9	986.9	987.0	987.1	986.6
145°	1025.2	1025.4	1025.4	1025.4	1025.4	1025.4	1025.6	1025.8	1026.0	1026.2	1025.7
147.5°	1057.6	1057.7	1057.8	1058.1	1058.4	1058.5	1058.8	1059.1	1059.4	1059.5	1059.0
150°	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1080.0	1080.3	1080.8	1081.1	1080.5
152.5°	1096.9	1096.7	1097.1	1097.5	1097.9	1098.2	1098.7	1099.0	1099.5	1099.8	1099.4
155°	1122.5	1122.1	1122.5	1122.9	1123.3	1123.7	1124.3	1124.9	1125.5	1126.1	1125.6
157.5°	1145.1	1144.9	1144.9	1144.9	1145.0	1145.0	1145.7	1146.3	1146.9	1147.5	1147.1
160°	1157.7	1157.2	1157.4	1157.6	1157.8	1158.0	1158.8	1159.6	1160.4	1161.2	1160.7
162.5°	1169.2	1168.7	1168.9	1169.1	1169.3	1169.5	1170.6	1171.8	1172.9	1174.0	1173.7
165°	1184.7	1184.2	1184.5	1184.6	1184.8	1185.0	1186.2	1187.4	1188.7	1189.8	1189.6
167.5°	1196.1	1195.6	1195.8	1196.0	1196.2	1196.4	1197.8	1199.3	1200.7	1202.2	1202.0
170°	1201.9	1201.4	1201.6	1201.8	1201.9	1202.2	1203.8	1205.4	1207.0	1208.6	1208.4
172.5°	1206.3	1205.8	1206.1	1206.5	1206.8	1207.2	1208.6	1210.1	1211.6	1213.0	1212.8
175°	1211.7	1211.3	1211.5	1211.7	1211.9	1212.1	1213.7	1215.3	1216.9	1218.5	1218.4
177.5°	1215.0	1214.5	1214.7	1214.9	1215.0	1215.1	1216.3	1217.4	1218.5	1219.7	1219.6
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1560.4	1564.2	1560.9	1565.4	1560.9	1564.2	1560.4	1563.7	1568.7	1565.4	1573.2
5°	1438.2	1431.9	1436.1	1433.3	1436.1	1431.9	1438.2	1441.6	1450.0	1452.8	1458.3
7.5°	1325.3	1319.3	1312.5	1309.3	1312.5	1319.3	1325.3	1327.4	1334.4	1344.9	1352.8
10°	1254.6	1247.1	1246.3	1241.4	1246.3	1247.1	1254.6	1262.3	1267.2	1280.4	1289.4
12.5°	1202.9	1195.9	1187.9	1185.9	1187.9	1195.9	1202.9	1209.5	1211.0	1225.9	1232.2
15°	1129.5	1124.0	1119.1	1123.3	1119.1	1124.0	1129.5	1133.7	1141.4	1151.8	1158.8
17.5°	1068.5	1063.9	1063.1	1057.9	1063.1	1063.9	1068.5	1070.9	1083.4	1090.2	1102.2
20°	1030.2	1026.7	1028.1	1019.0	1028.1	1026.7	1030.2	1036.4	1048.9	1052.4	1064.9
22.5°	999.6	992.7	991.9	990.2	991.9	992.7	999.6	1005.2	1007.8	1018.5	1027.1
25°	951.6	948.2	944.7	948.2	944.7	948.2	951.6	957.9	960.6	968.3	976.6
27.5°	909.7	905.6	904.6	905.0	904.6	905.6	909.7	909.2	916.7	922.8	929.0
30°	884.2	877.3	877.9	877.3	877.9	877.3	884.2	884.2	888.3	893.9	899.5
32.5°	856.4	851.7	850.7	849.4	850.7	851.7	856.4	855.2	860.5	867.2	873.3
35°	815.4	815.4	811.9	811.9	811.9	815.4	815.4	817.4	823.0	823.0	829.9
37.5°	776.9	776.1	774.1	774.4	774.1	776.1	776.9	778.6	780.4	783.4	787.8
40°	748.0	747.3	745.1	741.0	745.1	747.3	748.0	750.7	752.1	755.5	758.4
42.5°	720.1	717.7	716.8	715.4	716.8	717.7	720.1	721.8	722.6	727.2	732.8
45°	676.4	676.4	674.9	674.2	674.9	676.4	676.4	676.4	677.1	682.6	685.4
47.5°	633.8	635.1	637.7	637.3	637.7	635.1	633.8	632.7	632.9	635.8	638.9
50°	608.2	608.9	611.0	611.7	611.0	608.9	608.2	605.5	604.0	604.0	606.1
52.5°	579.9	583.9	586.6	586.1	586.6	583.9	579.9	577.7	575.2	571.8	575.0
55°	540.1	544.9	549.8	550.5	549.8	544.9	540.1	533.9	531.1	525.5	527.6
57.5°	500.8	507.6	512.7	514.3	512.7	507.6	500.8	493.2	484.2	481.6	477.7
60°	474.0	483.1	489.4	492.1	489.4	483.1	474.0	467.1	455.3	447.6	444.9
62.5°	448.4	458.6	464.8	465.5	464.8	458.6	448.4	437.7	425.8	417.1	411.5
65°	406.6	417.1	422.6	426.8	422.6	417.1	406.6	394.8	381.7	369.8	363.6
67.5°	361.6	372.0	378.2	381.5	378.2	372.0	361.6	347.0	334.9	321.3	313.9
70°	328.8	339.2	347.6	350.4	347.6	339.2	328.8	311.4	301.0	288.5	282.2
72.5°	296.5	305.9	312.5	315.8	312.5	305.9	296.5	280.3	268.1	255.7	247.2
75°	240.5	253.0	259.3	262.8	259.3	253.0	240.5	231.5	217.6	204.4	197.4
77.5°	185.5	196.9	200.6	202.4	200.6	196.9	185.5	174.9	164.3	154.7	147.9
80°	148.7	155.7	160.6	161.2	160.6	155.7	148.7	140.4	132.1	123.1	116.8
82.5°	114.3	120.1	121.6	123.4	121.6	120.1	114.3	107.0	99.8	93.0	87.8
85°	62.6	65.4	66.1	65.4	66.1	65.4	62.6	57.7	54.2	50.7	48.7
87.5°	24.5	24.1	24.3	25.5	24.3	24.1	24.5	23.3	23.7	22.4	21.0
90°	19.9	20.4	21.0	21.7	21.0	20.4	19.9	19.3	18.5	17.5	16.4
92.5°	19.4	19.6	19.9	20.2	19.9	19.6	19.4	19.1	18.5	17.5	16.4
95°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.5	17.5	16.4
97.5°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	21.8	27.4	33.1
100°	21.3	20.5	19.7	18.9	19.7	20.5	21.3	22.1	37.5	67.3	97.2
102.5°	154.4	140.7	127.1	113.4	127.1	140.7	154.4	168.0	177.6	183.2	188.9
105°	268.5	268.2	268.0	267.9	268.0	268.2	268.5	268.7	268.8	268.8	268.8
107.5°	339.5	338.9	338.2	337.7	338.2	338.9	339.5	340.1	340.4	340.3	340.3
110°	385.4	385.6	385.8	386.0	385.8	385.6	385.4	385.2	385.4	386.0	386.6



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CATALOG NUMBER: S125DIW-S1270D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	430.2	429.8	429.5	429.3	429.5	429.8	430.2	430.4	431.0	431.7	432.5
115°	497.8	496.6	495.4	494.2	495.4	496.6	497.8	499.0	500.0	500.8	501.6
117.5°	565.1	564.5	564.0	563.5	564.0	564.5	565.1	565.5	566.3	567.4	568.5
120°	609.0	608.1	607.1	606.0	607.1	608.1	609.0	610.0	610.7	611.2	611.5
122.5°	650.0	648.8	647.6	646.5	647.6	648.8	650.0	651.1	651.8	652.3	652.6
125°	709.8	709.2	708.6	707.9	708.6	709.2	709.8	710.3	711.1	711.9	712.7
127.5°	764.2	762.7	761.2	759.7	761.2	762.7	764.2	765.6	766.6	767.0	767.5
130°	800.2	799.2	798.3	797.3	798.3	799.2	800.2	801.2	802.0	802.6	803.3
132.5°	834.9	833.8	832.9	831.9	832.9	833.8	834.9	835.9	836.4	836.5	836.7
135°	882.9	881.7	880.5	879.3	880.5	881.7	882.9	884.1	884.9	885.3	885.7
137.5°	930.1	929.0	928.0	926.9	928.0	929.0	930.1	931.1	931.6	931.5	931.4
140°	958.7	957.4	956.3	955.0	956.3	957.4	958.7	959.8	960.3	959.8	959.5
142.5°	985.3	984.2	982.9	981.8	982.9	984.2	985.3	986.6	987.1	987.0	986.9
145°	1024.5	1023.3	1022.1	1020.9	1022.1	1023.3	1024.5	1025.7	1026.2	1026.0	1025.8
147.5°	1057.5	1056.1	1054.6	1053.2	1054.6	1056.1	1057.5	1059.0	1059.5	1059.4	1059.1
150°	1078.9	1077.3	1075.7	1074.1	1075.7	1077.3	1078.9	1080.5	1081.1	1080.8	1080.3
152.5°	1097.9	1096.4	1095.0	1093.6	1095.0	1096.4	1097.9	1099.4	1099.8	1099.5	1099.0
155°	1124.0	1122.4	1120.8	1119.2	1120.8	1122.4	1124.0	1125.6	1126.1	1125.5	1124.9
157.5°	1145.5	1143.9	1142.3	1140.7	1142.3	1143.9	1145.5	1147.1	1147.5	1146.9	1146.3
160°	1159.2	1157.6	1156.0	1154.4	1156.0	1157.6	1159.2	1160.7	1161.2	1160.4	1159.6
162.5°	1171.9	1170.2	1168.4	1166.6	1168.4	1170.2	1171.9	1173.7	1174.0	1172.9	1171.8
165°	1188.0	1186.4	1184.8	1183.2	1184.8	1186.4	1188.0	1189.6	1189.8	1188.7	1187.4
167.5°	1200.2	1198.4	1196.6	1194.8	1196.6	1198.4	1200.2	1202.0	1202.2	1200.7	1199.3
170°	1206.7	1204.9	1203.1	1201.2	1203.1	1204.9	1206.7	1208.4	1208.6	1207.0	1205.4
172.5°	1211.0	1209.2	1207.4	1205.6	1207.4	1209.2	1211.0	1212.8	1213.0	1211.6	1210.1
175°	1216.6	1214.8	1213.0	1211.2	1213.0	1214.8	1216.6	1218.4	1218.5	1216.9	1215.3
177.5°	1218.3	1217.0	1215.8	1214.4	1215.8	1217.0	1218.3	1219.6	1219.7	1218.5	1217.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1565.9	1572.6	1580.9	1587.1	1598.2	1603.2	1609.3	1614.4	1623.2	1631.6	1641.6
5°	1460.4	1472.2	1488.3	1505.6	1525.8	1539.6	1559.2	1570.9	1594.6	1616.1	1637.0
7.5°	1364.8	1379.2	1401.9	1424.2	1450.5	1474.4	1498.8	1525.8	1555.9	1591.5	1621.0
10°	1299.1	1318.7	1342.9	1370.7	1402.8	1430.6	1463.2	1492.4	1529.2	1570.9	1609.9
12.5°	1246.9	1263.6	1290.7	1317.4	1351.6	1385.5	1419.2	1457.9	1500.8	1547.0	1596.0
15°	1174.7	1188.7	1210.9	1247.7	1282.5	1315.8	1366.5	1402.8	1457.0	1508.4	1567.4
17.5°	1113.1	1130.4	1149.1	1180.7	1216.7	1258.4	1303.8	1349.1	1401.3	1466.5	1533.1
20°	1075.3	1089.2	1110.8	1135.1	1173.3	1215.0	1258.1	1304.0	1368.0	1435.4	1507.0
22.5°	1034.2	1049.2	1073.5	1100.1	1132.2	1172.2	1219.8	1270.1	1336.9	1403.1	1480.9
25°	985.7	996.1	1018.3	1042.0	1074.0	1108.0	1157.4	1213.0	1279.0	1354.8	1434.0
27.5°	940.0	949.1	969.4	990.0	1018.9	1059.4	1103.4	1159.6	1221.8	1298.6	1386.4
30°	907.1	916.9	935.0	957.2	985.0	1020.4	1065.6	1118.5	1185.2	1260.3	1352.0
32.5°	878.8	887.3	901.0	923.3	950.5	984.8	1026.7	1080.6	1147.4	1223.5	1313.6
35°	834.8	844.5	855.0	872.4	896.0	929.3	975.3	1026.0	1089.9	1163.6	1246.3
37.5°	791.2	801.7	811.0	826.6	848.2	877.6	917.3	970.1	1028.0	1098.9	1178.3
40°	763.9	772.2	779.9	796.6	818.1	846.0	882.8	930.1	991.2	1057.3	1123.3
42.5°	736.6	744.5	751.0	765.4	785.3	812.0	847.2	893.3	950.1	1011.6	1069.9
45°	693.8	698.6	706.2	718.7	734.8	759.0	793.1	834.1	882.1	940.5	984.3
47.5°	647.3	655.0	661.2	672.2	685.3	709.2	741.8	776.7	820.2	863.6	894.5
50°	611.7	619.4	628.4	638.8	651.3	673.6	703.5	738.9	775.7	809.1	835.5
52.5°	578.4	585.4	595.0	604.8	620.2	639.1	664.5	696.1	732.4	756.3	778.3
55°	529.0	532.4	543.6	553.3	567.9	581.8	607.5	635.3	657.5	675.6	693.8
57.5°	478.5	483.2	489.6	498.4	512.8	529.1	547.2	571.8	584.9	594.1	608.2
60°	446.3	447.6	451.8	462.3	473.4	487.9	508.8	526.2	535.9	543.6	555.4
62.5°	410.6	411.0	417.9	425.5	433.9	449.6	466.5	480.6	488.7	492.4	503.6
65°	360.8	359.4	363.6	369.8	379.5	389.9	404.6	417.1	416.3	420.5	427.5
67.5°	309.8	308.4	308.4	314.3	322.3	331.5	341.6	348.8	348.9	354.5	358.0
70°	275.3	271.1	273.8	278.7	282.2	289.9	301.0	303.8	304.4	307.2	310.7
72.5°	239.7	238.3	240.5	242.6	245.0	250.9	260.4	262.1	262.2	263.9	269.6
75°	190.5	189.0	187.7	189.8	192.5	196.7	200.2	203.0	202.2	203.0	207.1
77.5°	142.8	138.8	138.2	139.3	140.0	142.5	146.2	145.8	146.5	146.4	151.1
80°	113.3	107.7	107.0	107.0	107.7	109.1	110.5	111.9	109.9	111.9	113.3
82.5°	83.3	79.9	79.8	79.3	79.4	79.6	80.5	81.3	80.9	81.9	82.8
85°	45.8	44.5	42.4	43.8	43.1	41.0	42.4	40.3	39.6	40.3	41.0
87.5°	18.6	19.0	17.7	17.3	16.5	16.8	15.3	14.4	13.6	13.8	15.2
90°	15.4	14.4	13.0	11.6	10.3	8.8	7.3	5.7	4.1	2.5	0.9
92.5°	15.4	14.4	13.2	11.9	10.7	9.5	9.4	10.5	11.7	12.8	13.9
95°	15.4	14.4	22.0	29.7	37.3	44.9	49.0	49.6	50.2	50.8	51.4
97.5°	38.7	44.4	59.5	74.5	89.6	104.7	111.6	110.6	109.5	108.4	107.4
100°	127.1	156.9	156.1	155.3	154.5	153.7	153.0	152.4	151.8	151.2	150.6
102.5°	194.6	200.2	199.7	199.2	198.8	198.3	197.7	196.9	196.2	195.4	194.7
105°	268.8	268.8	268.8	268.8	268.8	268.8	268.3	267.5	266.7	265.9	265.1
107.5°	340.2	340.2	339.7	339.4	338.9	338.6	338.4	338.4	338.4	338.4	338.4
110°	387.2	387.8	387.4	387.0	386.6	386.2	386.0	386.0	386.0	386.0	386.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	433.2	434.0	433.7	433.5	433.3	433.0	432.7	432.1	431.7	431.2	430.7
115°	502.4	503.2	503.0	502.8	502.7	502.4	501.9	500.8	499.8	498.8	497.8
117.5°	569.4	570.5	569.7	569.0	568.2	567.5	567.1	567.1	567.2	567.2	567.3
120°	612.0	612.3	611.7	611.2	610.6	609.9	609.8	609.9	610.1	610.4	610.6
122.5°	653.1	653.4	653.2	652.9	652.6	652.4	651.8	651.0	650.3	649.5	648.8
125°	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.1	710.8	709.4	707.9
127.5°	767.9	768.4	768.5	768.7	768.7	768.8	768.4	767.4	766.4	765.4	764.4
130°	803.9	804.4	804.2	804.1	803.9	803.6	803.1	802.0	801.0	800.0	799.1
132.5°	836.8	837.0	837.3	837.8	838.2	838.7	838.3	837.1	836.0	834.8	833.7
135°	886.1	886.5	886.9	887.3	887.7	888.1	887.7	886.5	885.3	884.1	882.9
137.5°	931.3	931.2	931.6	932.0	932.4	932.7	932.4	931.3	930.2	929.3	928.2
140°	959.0	958.7	958.9	959.0	959.3	959.5	959.4	958.9	958.6	958.1	957.8
142.5°	986.9	986.8	986.5	986.2	986.0	985.7	985.4	985.2	985.0	984.7	984.4
145°	1025.6	1025.4	1025.4	1025.4	1025.4	1025.4	1025.2	1024.8	1024.4	1024.0	1023.6
147.5°	1058.8	1058.5	1058.4	1058.1	1057.8	1057.7	1057.6	1057.7	1057.7	1057.8	1057.8
150°	1080.0	1079.5	1079.1	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5
152.5°	1098.7	1098.2	1097.9	1097.5	1097.1	1096.7	1096.9	1097.8	1098.7	1099.6	1100.5
155°	1124.3	1123.7	1123.3	1122.9	1122.5	1122.1	1122.5	1123.7	1124.9	1126.1	1127.3
157.5°	1145.7	1145.0	1145.0	1144.9	1144.9	1144.9	1145.1	1145.9	1146.7	1147.4	1148.1
160°	1158.8	1158.0	1157.8	1157.6	1157.4	1157.2	1157.7	1158.9	1160.1	1161.3	1162.5
162.5°	1170.6	1169.5	1169.3	1169.1	1168.9	1168.7	1169.2	1170.5	1171.6	1172.9	1174.0
165°	1186.2	1185.0	1184.8	1184.6	1184.5	1184.2	1184.7	1186.0	1187.1	1188.4	1189.5
167.5°	1197.8	1196.4	1196.2	1196.0	1195.8	1195.6	1196.1	1197.4	1198.6	1199.9	1201.0
170°	1203.8	1202.2	1201.9	1201.8	1201.6	1201.4	1201.9	1203.4	1204.8	1206.2	1207.6
172.5°	1208.6	1207.2	1206.8	1206.5	1206.1	1205.8	1206.3	1207.7	1209.1	1210.5	1211.9
175°	1213.7	1212.1	1211.9	1211.7	1211.5	1211.3	1211.7	1213.0	1214.2	1215.4	1216.6
177.5°	1216.3	1215.1	1215.0	1214.9	1214.7	1214.5	1215.0	1215.8	1216.8	1217.8	1218.8
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333472-940

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1646.5	1654.4	1659.4	1668.8	1676.6	1681.1	1685.0	1688.3	1692.2	1695.5	1705.0
5°	1657.2	1675.2	1690.5	1714.1	1735.7	1752.4	1770.4	1786.5	1799.7	1818.4	1833.0
7.5°	1652.5	1684.6	1718.3	1754.9	1792.2	1827.0	1859.0	1888.9	1916.0	1948.8	1977.5
10°	1648.1	1691.9	1735.0	1784.3	1835.1	1878.2	1918.5	1959.5	1989.4	2031.1	2066.5
12.5°	1644.8	1696.3	1748.4	1807.7	1863.4	1924.3	1978.0	2007.9	2053.3	2086.7	2128.9
15°	1630.8	1698.9	1770.4	1837.2	1916.4	1972.7	2020.0	2078.4	2120.8	2163.2	2209.0
17.5°	1605.5	1682.7	1762.8	1850.2	1926.3	1986.7	2047.6	2104.0	2154.6	2211.4	2268.5
20°	1593.8	1671.1	1762.8	1852.4	1926.8	1990.1	2052.6	2114.5	2170.2	2243.1	2309.2
22.5°	1569.4	1662.7	1747.2	1834.7	1911.3	1980.0	2051.0	2121.2	2195.1	2277.6	2360.3
25°	1525.8	1620.3	1709.9	1796.2	1873.3	1959.5	2035.2	2129.1	2223.7	2332.8	2435.6
27.5°	1480.4	1570.9	1653.1	1736.3	1826.3	1924.0	2022.2	2128.7	2252.5	2390.2	2535.3
30°	1443.8	1529.2	1609.2	1694.7	1788.5	1898.4	2006.1	2132.6	2275.8	2430.8	2603.2
32.5°	1400.9	1479.7	1557.5	1648.0	1750.2	1866.1	1991.6	2130.4	2302.5	2478.6	2656.0
35°	1327.7	1393.7	1473.6	1570.2	1685.6	1818.4	1963.7	2127.7	2325.1	2527.4	2676.8
37.5°	1240.7	1302.3	1386.4	1492.4	1613.4	1755.9	1928.2	2122.9	2332.5	2493.8	2542.0
40°	1182.4	1239.4	1327.0	1436.8	1560.5	1711.4	1900.4	2106.2	2309.2	2412.0	2372.4
42.5°	1120.1	1179.9	1265.2	1373.9	1507.2	1671.3	1865.4	2071.2	2241.3	2280.2	2143.3
45°	1021.8	1083.7	1167.8	1277.6	1420.8	1598.7	1801.0	1988.0	2086.0	2015.8	1803.8
47.5°	930.5	988.5	1066.4	1179.7	1327.5	1511.5	1706.4	1855.6	1863.3	1695.8	1469.4
50°	868.2	921.7	1000.2	1113.6	1260.3	1446.5	1622.4	1739.8	1687.0	1497.3	1279.7
52.5°	807.0	859.4	936.8	1049.1	1194.1	1364.8	1528.4	1610.9	1511.3	1316.5	1130.7
55°	718.7	764.6	840.3	944.0	1081.6	1240.1	1379.1	1407.6	1278.3	1086.5	935.6
57.5°	632.6	675.4	744.3	839.7	965.5	1105.9	1214.6	1208.5	1071.8	907.2	787.6
60°	574.2	615.9	677.1	770.2	884.8	1005.8	1098.9	1076.7	941.2	799.4	698.6
62.5°	521.9	559.1	617.0	698.5	803.2	915.2	991.7	958.9	826.1	702.0	622.4
65°	444.9	476.2	525.5	595.0	681.9	774.4	833.4	791.0	677.7	581.1	517.2
67.5°	371.3	396.4	437.7	493.2	567.3	641.6	677.6	634.9	544.3	473.8	426.4
70°	324.6	346.9	378.8	428.2	492.8	555.4	582.5	544.3	466.5	405.9	371.8
72.5°	277.9	296.2	324.3	368.7	420.5	474.7	498.6	462.0	398.1	347.0	315.1
75°	214.8	227.3	246.7	277.3	318.3	361.5	374.7	342.7	301.7	263.4	242.6
77.5°	153.7	164.3	179.1	198.4	227.5	254.9	266.4	247.9	216.2	192.0	174.9
80°	118.2	123.8	136.3	152.2	175.1	192.5	200.2	188.4	166.1	148.0	134.8
82.5°	84.3	89.8	97.3	110.5	125.1	137.0	145.2	137.2	121.1	106.9	99.2
85°	41.0	44.5	48.7	54.2	65.4	72.3	71.6	66.7	60.5	54.9	50.7
87.5°	15.0	15.9	17.8	21.0	22.9	25.4	26.8	25.9	24.0	22.6	21.0
90°	2.5	4.1	5.7	7.3	8.8	10.3	11.6	13.0	14.4	15.4	16.4
92.5°	12.8	11.7	10.5	9.4	9.5	10.7	11.9	13.2	14.4	15.4	16.4
95°	50.8	50.2	49.6	49.0	44.9	37.3	29.7	22.0	14.4	15.4	16.4
97.5°	108.4	109.5	110.6	111.6	104.7	89.6	74.5	59.5	44.4	38.7	33.1
100°	151.2	151.8	152.4	153.0	153.7	154.5	155.3	156.1	156.9	127.1	97.2
102.5°	195.4	196.2	196.9	197.7	198.3	198.8	199.2	199.7	200.2	194.6	188.9
105°	265.9	266.7	267.5	268.3	268.8	268.8	268.8	268.8	268.8	268.8	268.8
107.5°	338.4	338.4	338.4	338.4	338.6	338.9	339.4	339.7	340.2	340.2	340.3
110°	386.0	386.0	386.0	386.0	386.2	386.6	387.0	387.4	387.8	387.2	386.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	431.2	431.7	432.1	432.7	433.0	433.3	433.5	433.7	434.0	433.2	432.5
115°	498.8	499.8	500.8	501.9	502.4	502.7	502.8	503.0	503.2	502.4	501.6
117.5°	567.2	567.2	567.1	567.1	567.5	568.2	569.0	569.7	570.5	569.4	568.5
120°	610.4	610.1	609.9	609.8	609.9	610.6	611.2	611.7	612.3	612.0	611.5
122.5°	649.5	650.3	651.0	651.8	652.4	652.6	652.9	653.2	653.4	653.1	652.6
125°	709.4	710.8	712.1	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.7
127.5°	765.4	766.4	767.4	768.4	768.8	768.7	768.7	768.5	768.4	767.9	767.5
130°	800.0	801.0	802.0	803.1	803.6	803.9	804.1	804.2	804.4	803.9	803.3
132.5°	834.8	836.0	837.1	838.3	838.7	838.2	837.8	837.3	837.0	836.8	836.7
135°	884.1	885.3	886.5	887.7	888.1	887.7	887.3	886.9	886.5	886.1	885.7
137.5°	929.3	930.2	931.3	932.4	932.7	932.4	932.0	931.6	931.2	931.3	931.4
140°	958.1	958.6	958.9	959.4	959.5	959.3	959.0	958.9	958.7	959.0	959.5
142.5°	984.7	985.0	985.2	985.4	985.7	986.0	986.2	986.5	986.8	986.9	986.9
145°	1024.0	1024.4	1024.8	1025.2	1025.4	1025.4	1025.4	1025.4	1025.4	1025.6	1025.8
147.5°	1057.8	1057.7	1057.7	1057.6	1057.7	1057.8	1058.1	1058.4	1058.5	1058.8	1059.1
150°	1079.1	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1080.0	1080.3
152.5°	1099.6	1098.7	1097.8	1096.9	1096.7	1097.1	1097.5	1097.9	1098.2	1098.7	1099.0
155°	1126.1	1124.9	1123.7	1122.5	1122.1	1122.5	1122.9	1123.3	1123.7	1124.3	1124.9
157.5°	1147.4	1146.7	1145.9	1145.1	1144.9	1144.9	1144.9	1145.0	1145.0	1145.7	1146.3
160°	1161.3	1160.1	1158.9	1157.7	1157.2	1157.4	1157.6	1157.8	1158.0	1158.8	1159.6
162.5°	1172.9	1171.6	1170.5	1169.2	1168.7	1168.9	1169.1	1169.3	1169.5	1170.6	1171.8
165°	1188.4	1187.1	1186.0	1184.7	1184.2	1184.5	1184.6	1184.8	1185.0	1186.2	1187.4
167.5°	1199.9	1198.6	1197.4	1196.1	1195.6	1195.8	1196.0	1196.2	1196.4	1197.8	1199.3
170°	1206.2	1204.8	1203.4	1201.9	1201.4	1201.6	1201.8	1201.9	1202.2	1203.8	1205.4
172.5°	1210.5	1209.1	1207.7	1206.3	1205.8	1206.1	1206.5	1206.8	1207.2	1208.6	1210.1
175°	1215.4	1214.2	1213.0	1211.7	1211.3	1211.5	1211.7	1211.9	1212.1	1213.7	1215.3
177.5°	1217.8	1216.8	1215.8	1215.0	1214.5	1214.7	1214.9	1215.0	1215.1	1216.3	1217.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1712.7	1717.2	1726.6	1723.3	1727.8	1730.0	1732.2
5°	1851.1	1873.3	1883.0	1881.7	1896.2	1892.7	1889.3
7.5°	2007.3	2030.7	2043.8	2060.0	2069.5	2070.2	2078.4
10°	2095.8	2126.4	2138.9	2156.2	2167.4	2173.6	2172.9
12.5°	2163.6	2187.5	2215.5	2224.1	2239.1	2247.0	2244.1
15°	2245.2	2283.4	2312.7	2327.2	2346.0	2351.5	2359.2
17.5°	2318.1	2369.4	2403.4	2448.7	2465.8	2476.3	2470.1
20°	2373.1	2440.5	2474.6	2528.8	2558.7	2574.7	2569.1
22.5°	2438.2	2511.1	2574.1	2621.1	2666.6	2688.2	2692.6
25°	2549.7	2649.7	2742.2	2804.1	2860.3	2873.5	2902.8
27.5°	2674.2	2792.2	2891.1	2956.2	2995.3	3010.1	3019.2
30°	2752.6	2870.1	2944.5	2986.2	2998.7	2997.3	2995.9
32.5°	2791.0	2864.5	2878.9	2867.2	2838.6	2814.3	2789.1
35°	2736.7	2681.7	2599.7	2494.0	2416.2	2337.6	2330.0
37.5°	2461.2	2285.6	2149.1	1996.6	1908.6	1854.3	1816.8
40°	2202.1	2002.6	1837.2	1708.6	1618.9	1583.5	1548.7
42.5°	1920.7	1730.1	1583.6	1476.1	1408.7	1369.4	1341.8
45°	1560.5	1392.3	1277.6	1199.8	1146.2	1115.6	1098.2
47.5°	1278.7	1154.3	1056.9	1000.7	963.7	940.0	940.0
50°	1127.5	1008.6	944.0	899.5	867.5	848.7	852.2
52.5°	993.5	904.6	849.4	812.2	788.5	776.9	776.6
55°	830.6	766.7	730.6	703.5	687.4	674.2	677.1
57.5°	710.5	656.6	632.4	609.9	598.8	593.5	585.9
60°	636.1	594.3	573.5	555.4	544.3	540.1	532.4
62.5°	569.9	537.1	516.7	502.0	492.0	490.6	484.6
65°	478.9	453.9	435.9	428.9	418.5	415.7	415.7
67.5°	394.8	376.9	362.8	356.4	351.9	352.6	349.2
70°	342.0	327.4	318.3	311.4	307.9	308.6	305.9
72.5°	299.2	282.9	275.0	270.8	266.3	268.0	266.9
75°	226.6	218.3	214.1	209.9	207.1	205.7	204.4
77.5°	166.4	159.1	155.9	153.5	153.9	150.5	153.2
80°	128.6	122.3	120.3	116.8	116.1	116.1	115.4
82.5°	94.1	90.6	89.1	86.2	85.0	86.1	84.3
85°	48.7	45.8	45.2	45.2	43.8	42.4	45.8
87.5°	21.3	19.3	19.4	19.0	19.1	18.6	17.7
90°	17.5	18.5	19.3	19.9	20.4	21.0	21.7
92.5°	17.5	18.5	19.1	19.4	19.6	19.9	20.2
95°	17.5	18.5	18.9	18.9	18.9	18.9	18.9
97.5°	27.4	21.8	18.9	18.9	18.9	18.9	18.9
100°	67.3	37.5	22.1	21.3	20.5	19.7	18.9
102.5°	183.2	177.6	168.0	154.4	140.7	127.1	113.4
105°	268.8	268.8	268.7	268.5	268.2	268.0	267.9
107.5°	340.3	340.4	340.1	339.5	338.9	338.2	337.7
110°	386.0	385.4	385.2	385.4	385.6	385.8	386.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	431.7	431.0	430.4	430.2	429.8	429.5	429.3
115°	500.8	500.0	499.0	497.8	496.6	495.4	494.2
117.5°	567.4	566.3	565.5	565.1	564.5	564.0	563.5
120°	611.2	610.7	610.0	609.0	608.1	607.1	606.0
122.5°	652.3	651.8	651.1	650.0	648.8	647.6	646.5
125°	711.9	711.1	710.3	709.8	709.2	708.6	707.9
127.5°	767.0	766.6	765.6	764.2	762.7	761.2	759.7
130°	802.6	802.0	801.2	800.2	799.2	798.3	797.3
132.5°	836.5	836.4	835.9	834.9	833.8	832.9	831.9
135°	885.3	884.9	884.1	882.9	881.7	880.5	879.3
137.5°	931.5	931.6	931.1	930.1	929.0	928.0	926.9
140°	959.8	960.3	959.8	958.7	957.4	956.3	955.0
142.5°	987.0	987.1	986.6	985.3	984.2	982.9	981.8
145°	1026.0	1026.2	1025.7	1024.5	1023.3	1022.1	1020.9
147.5°	1059.4	1059.5	1059.0	1057.5	1056.1	1054.6	1053.2
150°	1080.8	1081.1	1080.5	1078.9	1077.3	1075.7	1074.1
152.5°	1099.5	1099.8	1099.4	1097.9	1096.4	1095.0	1093.6
155°	1125.5	1126.1	1125.6	1124.0	1122.4	1120.8	1119.2
157.5°	1146.9	1147.5	1147.1	1145.5	1143.9	1142.3	1140.7
160°	1160.4	1161.2	1160.7	1159.2	1157.6	1156.0	1154.4
162.5°	1172.9	1174.0	1173.7	1171.9	1170.2	1168.4	1166.6
165°	1188.7	1189.8	1189.6	1188.0	1186.4	1184.8	1183.2
167.5°	1200.7	1202.2	1202.0	1200.2	1198.4	1196.6	1194.8
170°	1207.0	1208.6	1208.4	1206.7	1204.9	1203.1	1201.2
172.5°	1211.6	1213.0	1212.8	1211.0	1209.2	1207.4	1205.6
175°	1216.9	1218.5	1218.4	1216.6	1214.8	1213.0	1211.2
177.5°	1218.5	1219.7	1219.6	1218.3	1217.0	1215.8	1214.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6

(END OF REPORT)