

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: P333449-927

Luminaire Tested: **S125DIW-S1090D1340U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333449-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1090D1340U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7242.2 lumens  
Efficiency: N/A  
Efficacy: 103.8 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

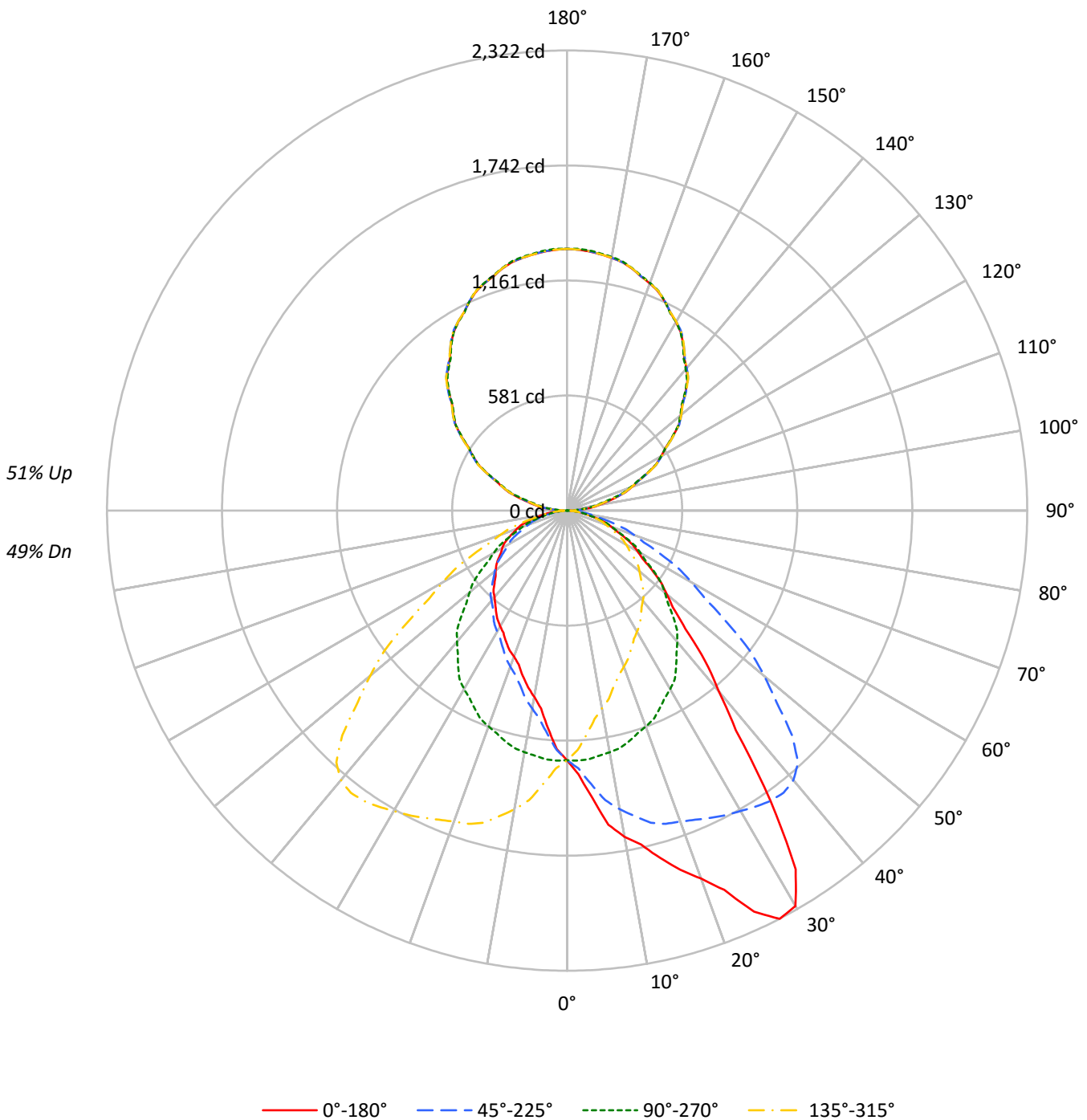
Input Watts (W): 69.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	68	68	68	55	55	55	49
1	98	94	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47	42
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	44	42	40	35
3	81	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30
4	75	64	56	50	69	59	52	47	50	45	41	42	38	35	35	32	30	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.3	1.7
10°-20°	361.1	5.0
20°-30°	586.3	8.1
30°-40°	715.2	9.9
40°-50°	650.6	9.0
50°-60°	518.2	7.2
60°-70°	361.0	5.0
70°-80°	192.5	2.7
80°-90°	51.5	0.7
90°-100°	88.4	1.2
100°-110°	261.2	3.6
110°-120°	442.4	6.1
120°-130°	582.2	8.0
130°-140°	652.3	9.0
140°-150°	639.3	8.8
150°-160°	537.0	7.4
160°-170°	357.0	4.9
170°-180°	124.9	1.7
0°-30°	1068.7	14.8
0°-40°	1783.8	24.6
0°-60°	2952.7	40.8
0°-90°	3557.6	49.1
90°-120°	792.0	10.9
90°-150°	2665.8	36.8
90°-180°	3685.0	50.9
0°-180°	7242.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	25	1	25	1	25	15
95°	88	67	88	67	88	90
105°	255	234	255	234	255	270
115°	447	443	447	443	447	442
125°	650	646	650	646	650	581
135°	844	841	844	841	844	651
145°	1022	1018	1022	1018	1022	638
155°	1165	1165	1165	1165	1165	536
165°	1264	1267	1264	1267	1264	356
175°	1312	1317	1312	1317	1312	125
180°	1320	1320	1320	1320	1320	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	15.2	15.9	16.2	16.1	16.4	16.2	17.7	17.4	18.5	19.6	20.9
90°	24.6	24.0	23.3	22.6	21.9	21.0	19.9	18.7	17.6	16.5	14.8
92.5°	48.5	48.0	47.5	47.0	46.5	45.5	44.0	42.5	41.0	39.5	37.5
95°	88.4	87.9	87.5	87.0	86.5	85.6	83.9	82.3	80.7	79.1	76.8
97.5°	134.0	133.7	133.5	133.2	132.9	132.0	130.5	129.0	127.5	126.0	122.9
100°	168.5	168.1	167.6	167.2	166.7	165.4	163.3	161.4	159.3	157.2	154.2
102.5°	203.0	202.4	201.8	201.1	200.5	199.1	196.8	194.6	192.3	190.1	188.6
105°	254.8	254.1	253.5	252.8	252.1	251.0	249.7	248.3	247.0	245.6	244.2
107.5°	307.8	307.9	307.9	308.0	308.1	307.8	307.0	306.3	305.7	305.0	304.0
110°	347.3	347.5	347.8	348.0	348.2	348.0	347.3	346.7	345.9	345.2	344.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	386.0	386.3	386.8	387.2	387.6	387.6	387.3	387.0	386.7	386.3	385.5
115°	447.0	447.3	447.4	447.7	447.9	448.1	448.4	448.6	448.9	449.1	448.6
117.5°	506.6	507.6	508.4	509.4	510.2	510.6	510.4	510.2	510.1	509.9	509.5
120°	547.7	548.6	549.5	550.4	551.4	551.8	551.8	551.8	551.8	551.8	551.6
122.5°	588.8	589.5	590.3	591.0	591.8	592.2	592.4	592.6	592.7	592.9	592.3
125°	650.5	650.7	650.9	651.2	651.4	651.7	652.2	652.6	653.1	653.6	653.3
127.5°	709.6	710.1	710.6	711.1	711.5	711.9	712.0	712.3	712.5	712.7	712.5
130°	749.1	749.6	750.0	750.5	750.9	751.3	751.5	751.7	751.9	752.2	751.7
132.5°	786.1	786.7	787.3	788.1	788.7	789.1	789.3	789.6	789.8	790.0	790.1
135°	843.7	844.5	845.5	846.4	847.3	847.8	847.8	847.8	847.8	847.8	847.6
137.5°	900.0	901.1	902.2	903.4	904.5	905.0	904.7	904.4	904.1	903.9	903.4
140°	936.1	937.3	938.4	939.5	940.7	941.0	940.6	940.2	939.7	939.2	938.5
142.5°	970.7	971.8	973.0	974.1	975.3	975.7	975.4	975.1	974.9	974.5	973.7
145°	1022.5	1023.1	1023.8	1024.5	1025.2	1025.6	1025.6	1025.6	1025.6	1025.6	1024.8
147.5°	1066.7	1068.2	1069.8	1071.3	1072.9	1073.3	1072.8	1072.2	1071.7	1071.2	1070.6
150°	1099.5	1099.9	1100.4	1100.9	1101.4	1101.6	1101.6	1101.6	1101.6	1101.6	1100.7
152.5°	1126.6	1127.4	1128.3	1129.1	1130.0	1130.0	1129.5	1128.9	1128.5	1127.9	1127.5
155°	1165.3	1166.4	1167.6	1168.7	1169.8	1170.0	1169.0	1168.2	1167.2	1166.3	1166.1
157.5°	1197.5	1199.0	1200.6	1202.1	1203.6	1203.9	1202.9	1202.1	1201.1	1200.2	1200.0
160°	1219.7	1220.9	1222.0	1223.2	1224.3	1224.4	1223.5	1222.6	1221.7	1220.8	1220.5
162.5°	1238.7	1240.0	1241.3	1242.6	1244.0	1244.0	1242.9	1241.9	1240.8	1239.7	1239.6
165°	1263.9	1265.3	1266.7	1268.0	1269.4	1269.6	1268.8	1267.8	1266.9	1266.0	1265.7
167.5°	1284.0	1285.5	1286.9	1288.3	1289.8	1289.8	1288.4	1287.1	1285.6	1284.3	1284.3
170°	1294.7	1296.3	1298.0	1299.6	1301.2	1301.2	1299.9	1298.5	1297.2	1295.8	1295.8
172.5°	1303.8	1305.2	1306.6	1308.1	1309.5	1309.5	1308.1	1306.8	1305.4	1304.0	1304.0
175°	1312.2	1313.8	1315.4	1317.0	1318.6	1318.7	1317.4	1316.0	1314.6	1313.3	1313.3
177.5°	1317.2	1318.4	1319.7	1321.0	1322.3	1322.4	1321.3	1320.2	1319.1	1318.0	1318.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	21.5	20.3	18.3	16.6	14.1	12.5	11.7	11.7	10.9	10.8	11.6
90°	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0	2.9	4.7	6.5
92.5°	35.6	33.6	31.6	29.9	28.7	27.4	26.1	24.9	26.1	27.4	28.7
95°	74.5	72.2	70.0	68.6	68.1	67.7	67.3	66.8	67.3	67.7	68.1
97.5°	119.7	116.5	113.4	111.7	111.5	111.4	111.1	111.0	111.1	111.4	111.5
100°	151.3	148.3	145.4	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
102.5°	187.1	185.6	184.1	182.8	182.0	181.0	180.1	179.2	180.1	181.0	182.0
105°	242.9	241.5	240.1	238.8	237.7	236.5	235.4	234.3	235.4	236.5	237.7
107.5°	302.9	301.8	300.8	299.7	298.6	297.4	296.3	295.1	296.3	297.4	298.6
110°	343.9	343.3	342.5	341.6	340.5	339.4	338.2	337.1	338.2	339.4	340.5





TEST NUMBER: P333449-927

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	384.6	383.7	382.9	382.1	381.6	381.0	380.4	379.8	380.4	381.0	381.6
115°	448.1	447.7	447.3	446.6	445.6	444.7	443.8	442.9	443.8	444.7	445.6
117.5°	509.1	508.7	508.3	507.9	507.4	507.0	506.6	506.2	506.6	507.0	507.4
120°	551.4	551.1	550.9	550.2	549.1	548.0	546.8	545.7	546.8	548.0	549.1
122.5°	591.8	591.1	590.6	590.0	589.6	589.2	588.8	588.4	588.8	589.2	589.6
125°	653.1	652.8	652.6	651.8	650.5	649.1	647.7	646.3	647.7	649.1	650.5
127.5°	712.2	711.9	711.6	711.1	710.3	709.6	708.8	708.0	708.8	709.6	710.3
130°	751.3	750.8	750.4	749.6	748.5	747.3	746.2	745.0	746.2	747.3	748.5
132.5°	790.2	790.3	790.4	789.5	787.6	785.8	783.9	782.0	783.9	785.8	787.6
135°	847.3	847.1	846.8	846.1	844.7	843.3	841.9	840.6	841.9	843.3	844.7
137.5°	902.9	902.4	901.8	900.9	899.6	898.3	897.0	895.6	897.0	898.3	899.6
140°	937.9	937.2	936.4	935.6	934.5	933.3	932.2	931.0	932.2	933.3	934.5
142.5°	972.8	971.9	971.1	970.2	969.2	968.3	967.3	966.4	967.3	968.3	969.2
145°	1024.1	1023.5	1022.8	1022.0	1021.0	1020.2	1019.2	1018.4	1019.2	1020.2	1021.0
147.5°	1070.1	1069.5	1069.0	1068.4	1067.9	1067.5	1066.9	1066.4	1066.9	1067.5	1067.9
150°	1099.8	1098.8	1097.9	1097.6	1097.8	1098.0	1098.3	1098.5	1098.3	1098.0	1097.8
152.5°	1127.1	1126.8	1126.4	1126.1	1125.8	1125.5	1125.1	1124.8	1125.1	1125.5	1125.8
155°	1165.9	1165.6	1165.4	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3
157.5°	1199.8	1199.5	1199.3	1199.4	1199.9	1200.5	1200.9	1201.4	1200.9	1200.5	1199.9
160°	1220.4	1220.1	1219.9	1220.1	1220.8	1221.5	1222.2	1222.8	1222.2	1221.5	1220.8
162.5°	1239.6	1239.5	1239.5	1239.8	1240.2	1240.7	1241.3	1241.7	1241.3	1240.7	1240.2
165°	1265.5	1265.3	1265.1	1265.2	1265.7	1266.1	1266.5	1267.0	1266.5	1266.1	1265.7
167.5°	1284.3	1284.3	1284.3	1284.8	1285.6	1286.6	1287.5	1288.4	1287.5	1286.6	1285.6
170°	1295.8	1295.8	1295.8	1296.2	1297.2	1298.1	1299.0	1299.9	1299.0	1298.1	1297.2
172.5°	1304.0	1304.0	1304.0	1304.5	1305.4	1306.3	1307.2	1308.1	1307.2	1306.3	1305.4
175°	1313.3	1313.3	1313.3	1313.8	1314.6	1315.6	1316.4	1317.4	1316.4	1315.6	1314.6
177.5°	1318.3	1318.5	1318.7	1319.1	1319.9	1320.6	1321.4	1322.1	1321.4	1320.6	1319.9
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333449-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	12.4	13.5	13.5	14.2	14.5	15.7	15.5	17.4	18.5	19.6	19.3
90°	8.3	10.1	11.6	13.2	14.8	16.5	17.6	18.7	19.9	21.0	21.9
92.5°	29.9	31.6	33.6	35.6	37.5	39.5	41.0	42.5	44.0	45.5	46.5
95°	68.6	70.0	72.2	74.5	76.8	79.1	80.7	82.3	83.9	85.6	86.5
97.5°	111.7	113.4	116.5	119.7	122.9	126.0	127.5	129.0	130.5	132.0	132.9
100°	143.9	145.4	148.3	151.3	154.2	157.2	159.3	161.4	163.3	165.4	166.7
102.5°	182.8	184.1	185.6	187.1	188.6	190.1	192.3	194.6	196.8	199.1	200.5
105°	238.8	240.1	241.5	242.9	244.2	245.6	247.0	248.3	249.7	251.0	252.1
107.5°	299.7	300.8	301.8	302.9	304.0	305.0	305.7	306.3	307.0	307.8	308.1
110°	341.6	342.5	343.3	343.9	344.6	345.2	345.9	346.7	347.3	348.0	348.2



TEST NUMBER: P333449-927

CATALOG NUMBER: S125DIW-S1090D1340U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	382.1	382.9	383.7	384.6	385.5	386.3	386.7	387.0	387.3	387.6	387.6
115°	446.6	447.3	447.7	448.1	448.6	449.1	448.9	448.6	448.4	448.1	447.9
117.5°	507.9	508.3	508.7	509.1	509.5	509.9	510.1	510.2	510.4	510.6	510.2
120°	550.2	550.9	551.1	551.4	551.6	551.8	551.8	551.8	551.8	551.8	551.4
122.5°	590.0	590.6	591.1	591.8	592.3	592.9	592.7	592.6	592.4	592.2	591.8
125°	651.8	652.6	652.8	653.1	653.3	653.6	653.1	652.6	652.2	651.7	651.4
127.5°	711.1	711.6	711.9	712.2	712.5	712.7	712.5	712.3	712.0	711.9	711.5
130°	749.6	750.4	750.8	751.3	751.7	752.2	751.9	751.7	751.5	751.3	750.9
132.5°	789.5	790.4	790.3	790.2	790.1	790.0	789.8	789.6	789.3	789.1	788.7
135°	846.1	846.8	847.1	847.3	847.6	847.8	847.8	847.8	847.8	847.8	847.3
137.5°	900.9	901.8	902.4	902.9	903.4	903.9	904.1	904.4	904.7	905.0	904.5
140°	935.6	936.4	937.2	937.9	938.5	939.2	939.7	940.2	940.6	941.0	940.7
142.5°	970.2	971.1	971.9	972.8	973.7	974.5	974.9	975.1	975.4	975.7	975.3
145°	1022.0	1022.8	1023.5	1024.1	1024.8	1025.6	1025.6	1025.6	1025.6	1025.6	1025.2
147.5°	1068.4	1069.0	1069.5	1070.1	1070.6	1071.2	1071.7	1072.2	1072.8	1073.3	1072.9
150°	1097.6	1097.9	1098.8	1099.8	1100.7	1101.6	1101.6	1101.6	1101.6	1101.6	1101.4
152.5°	1126.1	1126.4	1126.8	1127.1	1127.5	1127.9	1128.5	1128.9	1129.5	1130.0	1130.0
155°	1165.3	1165.4	1165.6	1165.9	1166.1	1166.3	1167.2	1168.2	1169.0	1170.0	1169.8
157.5°	1199.4	1199.3	1199.5	1199.8	1200.0	1200.2	1201.1	1202.1	1202.9	1203.9	1203.6
160°	1220.1	1219.9	1220.1	1220.4	1220.5	1220.8	1221.7	1222.6	1223.5	1224.4	1224.3
162.5°	1239.8	1239.5	1239.5	1239.6	1239.6	1239.7	1240.8	1241.9	1242.9	1244.0	1244.0
165°	1265.2	1265.1	1265.3	1265.5	1265.7	1266.0	1266.9	1267.8	1268.8	1269.6	1269.4
167.5°	1284.8	1284.3	1284.3	1284.3	1284.3	1284.3	1285.6	1287.1	1288.4	1289.8	1289.8
170°	1296.2	1295.8	1295.8	1295.8	1295.8	1295.8	1297.2	1298.5	1299.9	1301.2	1301.2
172.5°	1304.5	1304.0	1304.0	1304.0	1304.0	1304.0	1305.4	1306.8	1308.1	1309.5	1309.5
175°	1313.8	1313.3	1313.3	1313.3	1313.3	1313.3	1314.6	1316.0	1317.4	1318.7	1318.6
177.5°	1319.1	1318.7	1318.5	1318.3	1318.2	1318.0	1319.1	1320.2	1321.3	1322.4	1322.3
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333449-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	20.4	20.0	20.2	21.2	20.2	20.0	20.4	19.3	19.6	18.5	17.4
90°	22.6	23.3	24.0	24.6	24.0	23.3	22.6	21.9	21.0	19.9	18.7
92.5°	47.0	47.5	48.0	48.5	48.0	47.5	47.0	46.5	45.5	44.0	42.5
95°	87.0	87.5	87.9	88.4	87.9	87.5	87.0	86.5	85.6	83.9	82.3
97.5°	133.2	133.5	133.7	134.0	133.7	133.5	133.2	132.9	132.0	130.5	129.0
100°	167.2	167.6	168.1	168.5	168.1	167.6	167.2	166.7	165.4	163.3	161.4
102.5°	201.1	201.8	202.4	203.0	202.4	201.8	201.1	200.5	199.1	196.8	194.6
105°	252.8	253.5	254.1	254.8	254.1	253.5	252.8	252.1	251.0	249.7	248.3
107.5°	308.0	307.9	307.9	307.8	307.9	307.9	308.0	308.1	307.8	307.0	306.3
110°	348.0	347.8	347.5	347.3	347.5	347.8	348.0	348.2	348.0	347.3	346.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	387.2	386.8	386.3	386.0	386.3	386.8	387.2	387.6	387.6	387.3	387.0
115°	447.7	447.4	447.3	447.0	447.3	447.4	447.7	447.9	448.1	448.4	448.6
117.5°	509.4	508.4	507.6	506.6	507.6	508.4	509.4	510.2	510.6	510.4	510.2
120°	550.4	549.5	548.6	547.7	548.6	549.5	550.4	551.4	551.8	551.8	551.8
122.5°	591.0	590.3	589.5	588.8	589.5	590.3	591.0	591.8	592.2	592.4	592.6
125°	651.2	650.9	650.7	650.5	650.7	650.9	651.2	651.4	651.7	652.2	652.6
127.5°	711.1	710.6	710.1	709.6	710.1	710.6	711.1	711.5	711.9	712.0	712.3
130°	750.5	750.0	749.6	749.1	749.6	750.0	750.5	750.9	751.3	751.5	751.7
132.5°	788.1	787.3	786.7	786.1	786.7	787.3	788.1	788.7	789.1	789.3	789.6
135°	846.4	845.5	844.5	843.7	844.5	845.5	846.4	847.3	847.8	847.8	847.8
137.5°	903.4	902.2	901.1	900.0	901.1	902.2	903.4	904.5	905.0	904.7	904.4
140°	939.5	938.4	937.3	936.1	937.3	938.4	939.5	940.7	941.0	940.6	940.2
142.5°	974.1	973.0	971.8	970.7	971.8	973.0	974.1	975.3	975.7	975.4	975.1
145°	1024.5	1023.8	1023.1	1022.5	1023.1	1023.8	1024.5	1025.2	1025.6	1025.6	1025.6
147.5°	1071.3	1069.8	1068.2	1066.7	1068.2	1069.8	1071.3	1072.9	1073.3	1072.8	1072.2
150°	1100.9	1100.4	1099.9	1099.5	1099.9	1100.4	1100.9	1101.4	1101.6	1101.6	1101.6
152.5°	1129.1	1128.3	1127.4	1126.6	1127.4	1128.3	1129.1	1130.0	1130.0	1129.5	1128.9
155°	1168.7	1167.6	1166.4	1165.3	1166.4	1167.6	1168.7	1169.8	1170.0	1169.0	1168.2
157.5°	1202.1	1200.6	1199.0	1197.5	1199.0	1200.6	1202.1	1203.6	1203.9	1202.9	1202.1
160°	1223.2	1222.0	1220.9	1219.7	1220.9	1222.0	1223.2	1224.3	1224.4	1223.5	1222.6
162.5°	1242.6	1241.3	1240.0	1238.7	1240.0	1241.3	1242.6	1244.0	1244.0	1242.9	1241.9
165°	1268.0	1266.7	1265.3	1263.9	1265.3	1266.7	1268.0	1269.4	1269.6	1268.8	1267.8
167.5°	1288.3	1286.9	1285.5	1284.0	1285.5	1286.9	1288.3	1289.8	1289.8	1288.4	1287.1
170°	1299.6	1298.0	1296.3	1294.7	1296.3	1298.0	1299.6	1301.2	1301.2	1299.9	1298.5
172.5°	1308.1	1306.6	1305.2	1303.8	1305.2	1306.6	1308.1	1309.5	1309.5	1308.1	1306.8
175°	1317.0	1315.4	1313.8	1312.2	1313.8	1315.4	1317.0	1318.6	1318.7	1317.4	1316.0
177.5°	1321.0	1319.7	1318.4	1317.2	1318.4	1319.7	1321.0	1322.3	1322.4	1321.3	1320.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	15.5	15.7	14.5	14.2	13.5	13.5	12.4	11.6	10.8	10.9	11.7
90°	17.6	16.5	14.8	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0
92.5°	41.0	39.5	37.5	35.6	33.6	31.6	29.9	28.7	27.4	26.1	24.9
95°	80.7	79.1	76.8	74.5	72.2	70.0	68.6	68.1	67.7	67.3	66.8
97.5°	127.5	126.0	122.9	119.7	116.5	113.4	111.7	111.5	111.4	111.1	111.0
100°	159.3	157.2	154.2	151.3	148.3	145.4	143.9	143.9	143.9	143.9	143.9
102.5°	192.3	190.1	188.6	187.1	185.6	184.1	182.8	182.0	181.0	180.1	179.2
105°	247.0	245.6	244.2	242.9	241.5	240.1	238.8	237.7	236.5	235.4	234.3
107.5°	305.7	305.0	304.0	302.9	301.8	300.8	299.7	298.6	297.4	296.3	295.1
110°	345.9	345.2	344.6	343.9	343.3	342.5	341.6	340.5	339.4	338.2	337.1



TEST NUMBER: P333449-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	386.7	386.3	385.5	384.6	383.7	382.9	382.1	381.6	381.0	380.4	379.8
115°	448.9	449.1	448.6	448.1	447.7	447.3	446.6	445.6	444.7	443.8	442.9
117.5°	510.1	509.9	509.5	509.1	508.7	508.3	507.9	507.4	507.0	506.6	506.2
120°	551.8	551.8	551.6	551.4	551.1	550.9	550.2	549.1	548.0	546.8	545.7
122.5°	592.7	592.9	592.3	591.8	591.1	590.6	590.0	589.6	589.2	588.8	588.4
125°	653.1	653.6	653.3	653.1	652.8	652.6	651.8	650.5	649.1	647.7	646.3
127.5°	712.5	712.7	712.5	712.2	711.9	711.6	711.1	710.3	709.6	708.8	708.0
130°	751.9	752.2	751.7	751.3	750.8	750.4	749.6	748.5	747.3	746.2	745.0
132.5°	789.8	790.0	790.1	790.2	790.3	790.4	789.5	787.6	785.8	783.9	782.0
135°	847.8	847.8	847.6	847.3	847.1	846.8	846.1	844.7	843.3	841.9	840.6
137.5°	904.1	903.9	903.4	902.9	902.4	901.8	900.9	899.6	898.3	897.0	895.6
140°	939.7	939.2	938.5	937.9	937.2	936.4	935.6	934.5	933.3	932.2	931.0
142.5°	974.9	974.5	973.7	972.8	971.9	971.1	970.2	969.2	968.3	967.3	966.4
145°	1025.6	1025.6	1024.8	1024.1	1023.5	1022.8	1022.0	1021.0	1020.2	1019.2	1018.4
147.5°	1071.7	1071.2	1070.6	1070.1	1069.5	1069.0	1068.4	1067.9	1067.5	1066.9	1066.4
150°	1101.6	1101.6	1100.7	1099.8	1098.8	1097.9	1097.6	1097.8	1098.0	1098.3	1098.5
152.5°	1128.5	1127.9	1127.5	1127.1	1126.8	1126.4	1126.1	1125.8	1125.5	1125.1	1124.8
155°	1167.2	1166.3	1166.1	1165.9	1165.6	1165.4	1165.3	1165.3	1165.3	1165.3	1165.3
157.5°	1201.1	1200.2	1200.0	1199.8	1199.5	1199.3	1199.4	1199.9	1200.5	1200.9	1201.4
160°	1221.7	1220.8	1220.5	1220.4	1220.1	1219.9	1220.1	1220.8	1221.5	1222.2	1222.8
162.5°	1240.8	1239.7	1239.6	1239.6	1239.5	1239.5	1239.8	1240.2	1240.7	1241.3	1241.7
165°	1266.9	1266.0	1265.7	1265.5	1265.3	1265.1	1265.2	1265.7	1266.1	1266.5	1267.0
167.5°	1285.6	1284.3	1284.3	1284.3	1284.3	1284.3	1284.8	1285.6	1286.6	1287.5	1288.4
170°	1297.2	1295.8	1295.8	1295.8	1295.8	1295.8	1296.2	1297.2	1298.1	1299.0	1299.9
172.5°	1305.4	1304.0	1304.0	1304.0	1304.0	1304.0	1304.5	1305.4	1306.3	1307.2	1308.1
175°	1314.6	1313.3	1313.3	1313.3	1313.3	1313.3	1313.8	1314.6	1315.6	1316.4	1317.4
177.5°	1319.1	1318.0	1318.2	1318.3	1318.5	1318.7	1319.1	1319.9	1320.6	1321.4	1322.1
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.7	12.5	14.1	16.6	18.3	20.3	21.5	20.9	19.6	18.5	17.4
90°	2.9	4.7	6.5	8.3	10.1	11.6	13.2	14.8	16.5	17.6	18.7
92.5°	26.1	27.4	28.7	29.9	31.6	33.6	35.6	37.5	39.5	41.0	42.5
95°	67.3	67.7	68.1	68.6	70.0	72.2	74.5	76.8	79.1	80.7	82.3
97.5°	111.1	111.4	111.5	111.7	113.4	116.5	119.7	122.9	126.0	127.5	129.0
100°	143.9	143.9	143.9	143.9	145.4	148.3	151.3	154.2	157.2	159.3	161.4
102.5°	180.1	181.0	182.0	182.8	184.1	185.6	187.1	188.6	190.1	192.3	194.6
105°	235.4	236.5	237.7	238.8	240.1	241.5	242.9	244.2	245.6	247.0	248.3
107.5°	296.3	297.4	298.6	299.7	300.8	301.8	302.9	304.0	305.0	305.7	306.3
110°	338.2	339.4	340.5	341.6	342.5	343.3	343.9	344.6	345.2	345.9	346.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	380.4	381.0	381.6	382.1	382.9	383.7	384.6	385.5	386.3	386.7	387.0
115°	443.8	444.7	445.6	446.6	447.3	447.7	448.1	448.6	449.1	448.9	448.6
117.5°	506.6	507.0	507.4	507.9	508.3	508.7	509.1	509.5	509.9	510.1	510.2
120°	546.8	548.0	549.1	550.2	550.9	551.1	551.4	551.6	551.8	551.8	551.8
122.5°	588.8	589.2	589.6	590.0	590.6	591.1	591.8	592.3	592.9	592.7	592.6
125°	647.7	649.1	650.5	651.8	652.6	652.8	653.1	653.3	653.6	653.1	652.6
127.5°	708.8	709.6	710.3	711.1	711.6	711.9	712.2	712.5	712.7	712.5	712.3
130°	746.2	747.3	748.5	749.6	750.4	750.8	751.3	751.7	752.2	751.9	751.7
132.5°	783.9	785.8	787.6	789.5	790.4	790.3	790.2	790.1	790.0	789.8	789.6
135°	841.9	843.3	844.7	846.1	846.8	847.1	847.3	847.6	847.8	847.8	847.8
137.5°	897.0	898.3	899.6	900.9	901.8	902.4	902.9	903.4	903.9	904.1	904.4
140°	932.2	933.3	934.5	935.6	936.4	937.2	937.9	938.5	939.2	939.7	940.2
142.5°	967.3	968.3	969.2	970.2	971.1	971.9	972.8	973.7	974.5	974.9	975.1
145°	1019.2	1020.2	1021.0	1022.0	1022.8	1023.5	1024.1	1024.8	1025.6	1025.6	1025.6
147.5°	1066.9	1067.5	1067.9	1068.4	1069.0	1069.5	1070.1	1070.6	1071.2	1071.7	1072.2
150°	1098.3	1098.0	1097.8	1097.6	1097.9	1098.8	1099.8	1100.7	1101.6	1101.6	1101.6
152.5°	1125.1	1125.5	1125.8	1126.1	1126.4	1126.8	1127.1	1127.5	1127.9	1128.5	1128.9
155°	1165.3	1165.3	1165.3	1165.3	1165.4	1165.6	1165.9	1166.1	1166.3	1167.2	1168.2
157.5°	1200.9	1200.5	1199.9	1199.4	1199.3	1199.5	1199.8	1200.0	1200.2	1201.1	1202.1
160°	1222.2	1221.5	1220.8	1220.1	1219.9	1220.1	1220.4	1220.5	1220.8	1221.7	1222.6
162.5°	1241.3	1240.7	1240.2	1239.8	1239.5	1239.5	1239.6	1239.6	1239.7	1240.8	1241.9
165°	1266.5	1266.1	1265.7	1265.2	1265.1	1265.3	1265.5	1265.7	1266.0	1266.9	1267.8
167.5°	1287.5	1286.6	1285.6	1284.8	1284.3	1284.3	1284.3	1284.3	1284.3	1285.6	1287.1
170°	1299.0	1298.1	1297.2	1296.2	1295.8	1295.8	1295.8	1295.8	1295.8	1297.2	1298.5
172.5°	1307.2	1306.3	1305.4	1304.5	1304.0	1304.0	1304.0	1304.0	1304.0	1305.4	1306.8
175°	1316.4	1315.6	1314.6	1313.8	1313.3	1313.3	1313.3	1313.3	1313.3	1314.6	1316.0
177.5°	1321.4	1320.6	1319.9	1319.1	1318.7	1318.5	1318.3	1318.2	1318.0	1319.1	1320.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	17.7	16.2	16.4	16.1	16.2	15.9	15.2
90°	19.9	21.0	21.9	22.6	23.3	24.0	24.6
92.5°	44.0	45.5	46.5	47.0	47.5	48.0	48.5
95°	83.9	85.6	86.5	87.0	87.5	87.9	88.4
97.5°	130.5	132.0	132.9	133.2	133.5	133.7	134.0
100°	163.3	165.4	166.7	167.2	167.6	168.1	168.5
102.5°	196.8	199.1	200.5	201.1	201.8	202.4	203.0
105°	249.7	251.0	252.1	252.8	253.5	254.1	254.8
107.5°	307.0	307.8	308.1	308.0	307.9	307.9	307.8
110°	347.3	348.0	348.2	348.0	347.8	347.5	347.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	387.3	387.6	387.6	387.2	386.8	386.3	386.0
115°	448.4	448.1	447.9	447.7	447.4	447.3	447.0
117.5°	510.4	510.6	510.2	509.4	508.4	507.6	506.6
120°	551.8	551.8	551.4	550.4	549.5	548.6	547.7
122.5°	592.4	592.2	591.8	591.0	590.3	589.5	588.8
125°	652.2	651.7	651.4	651.2	650.9	650.7	650.5
127.5°	712.0	711.9	711.5	711.1	710.6	710.1	709.6
130°	751.5	751.3	750.9	750.5	750.0	749.6	749.1
132.5°	789.3	789.1	788.7	788.1	787.3	786.7	786.1
135°	847.8	847.8	847.3	846.4	845.5	844.5	843.7
137.5°	904.7	905.0	904.5	903.4	902.2	901.1	900.0
140°	940.6	941.0	940.7	939.5	938.4	937.3	936.1
142.5°	975.4	975.7	975.3	974.1	973.0	971.8	970.7
145°	1025.6	1025.6	1025.2	1024.5	1023.8	1023.1	1022.5
147.5°	1072.8	1073.3	1072.9	1071.3	1069.8	1068.2	1066.7
150°	1101.6	1101.6	1101.4	1100.9	1100.4	1099.9	1099.5
152.5°	1129.5	1130.0	1130.0	1129.1	1128.3	1127.4	1126.6
155°	1169.0	1170.0	1169.8	1168.7	1167.6	1166.4	1165.3
157.5°	1202.9	1203.9	1203.6	1202.1	1200.6	1199.0	1197.5
160°	1223.5	1224.4	1224.3	1223.2	1222.0	1220.9	1219.7
162.5°	1242.9	1244.0	1244.0	1242.6	1241.3	1240.0	1238.7
165°	1268.8	1269.6	1269.4	1268.0	1266.7	1265.3	1263.9
167.5°	1288.4	1289.8	1289.8	1288.3	1286.9	1285.5	1284.0
170°	1299.9	1301.2	1301.2	1299.6	1298.0	1296.3	1294.7
172.5°	1308.1	1309.5	1309.5	1308.1	1306.6	1305.2	1303.8
175°	1317.4	1318.7	1318.6	1317.0	1315.4	1313.8	1312.2
177.5°	1321.3	1322.4	1322.3	1321.0	1319.7	1318.4	1317.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5

(END OF REPORT)