

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: P333688-830

Luminaire Tested: **S125RDIW-S850D1050U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333688-830
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: S125RDIW-S850D1050U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7040.4 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

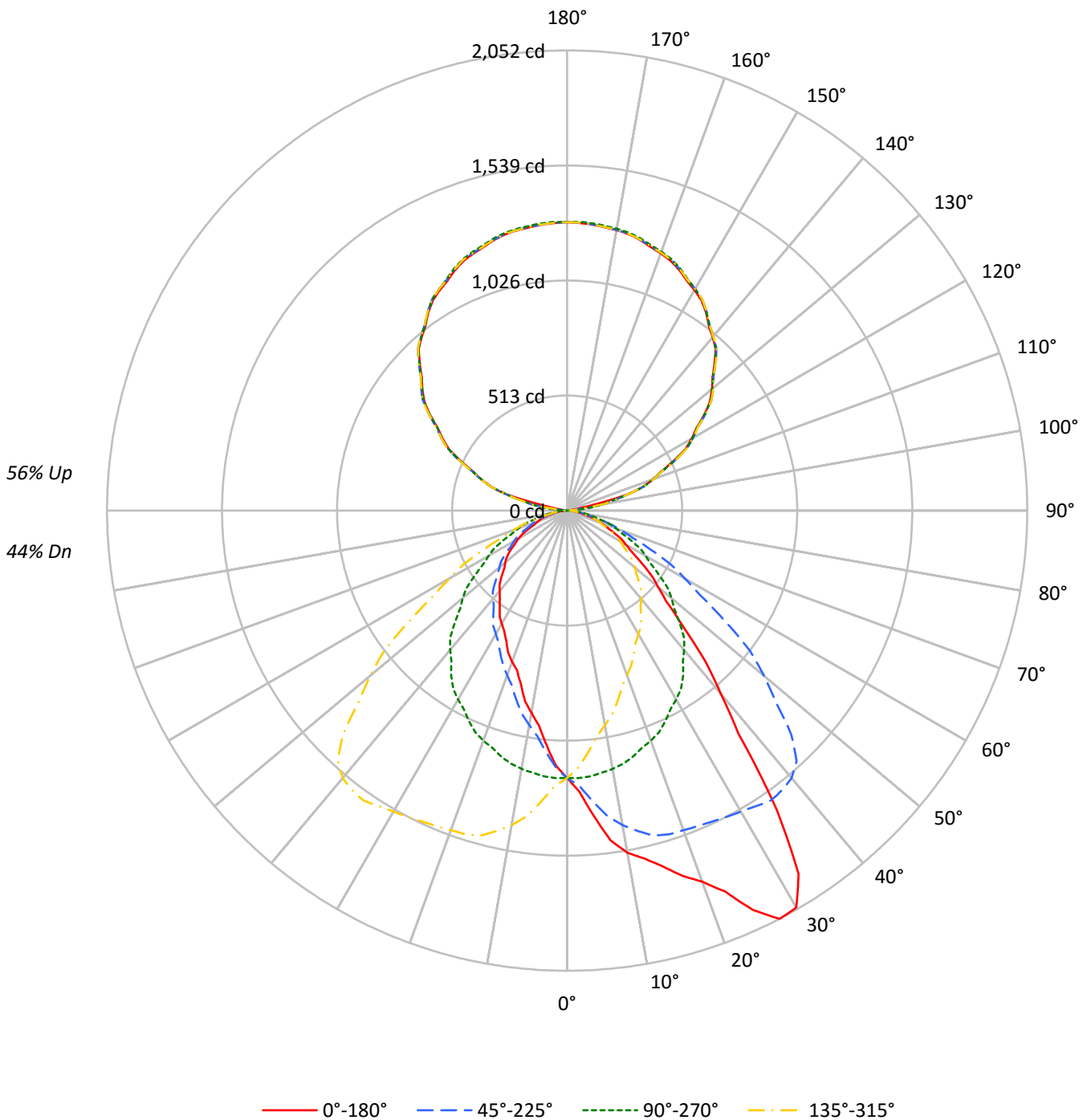
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	88	85	82	79	71	68	66	57	56	55	45	44	43	38
2	88	81	75	70	81	75	70	65	62	59	55	51	48	46	40	39	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	36	33	29	29	26	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	15	13
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7700	7700	7700	7700
5°	8858	7710	6809	7710
10°	10161	7671	6008	7671
15°	10975	7592	5340	7592
20°	12103	7501	4931	7501
25°	14006	7380	4576	7380
30°	15242	7252	4343	7252
35°	12857	7104	4129	7104
40°	8979	6837	3945	6837
45°	6660	6477	3764	6477
50°	5311	6103	3609	6103
55°	4507	5638	3471	5638
60°	3894	5222	3250	5222
65°	3470	4772	2797	4772
70°	3051	4371	2551	4371
75°	2640	3785	2395	3785
80°	2001	3187	2001	3187
85°	1667	2497	1882	2497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.6
10°-20°	335.0	4.8
20°-30°	531.2	7.5
30°-40°	640.6	9.1
40°-50°	572.1	8.1
50°-60°	438.7	6.2
60°-70°	285.1	4.0
70°-80°	138.6	2.0
80°-90°	35.8	0.5
90°-100°	46.7	0.7
100°-110°	288.0	4.1
110°-120°	522.3	7.4
120°-130°	670.4	9.5
130°-140°	721.0	10.2
140°-150°	676.8	9.6
150°-160°	547.5	7.8
160°-170°	354.1	5.0
170°-180°	122.1	1.7
0°-30°	980.6	13.9
0°-40°	1621.2	23.0
0°-60°	2632.0	37.4
0°-90°	3091.5	43.9
90°-120°	857.1	12.2
90°-150°	2925.3	41.5
90°-180°	3949.0	56.1
0°-180°	7040.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1192	1192	1192	1192	1192	
5°	1366	1189	1050	1189	1366	137
15°	1642	1136	799	1136	1642	470
25°	1966	1036	642	1036	1966	902
35°	1631	901	524	901	1631	985
45°	729	709	412	709	729	582
55°	400	501	308	501	400	363
65°	227	312	183	312	227	226
75°	106	152	96	152	106	113
85°	22	34	25	34	22	26
90°	23	1	23	1	23	11
95°	20	54	20	54	20	17
105°	283	280	283	280	283	256
115°	522	526	522	526	522	519
125°	748	748	748	748	748	666
135°	929	933	929	933	929	717
145°	1079	1082	1079	1082	1079	674
155°	1183	1192	1183	1192	1183	545
165°	1251	1257	1251	1257	1251	353
175°	1280	1286	1280	1286	1280	122
180°	1286	1286	1286	1286	1286	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	13.2	12.6	12.2	12.1	12.3	12.9	12.3	11.7	11.5	11.3	11.4
90°	22.9	22.2	21.6	21.0	20.4	19.5	18.5	17.3	16.3	15.3	13.8
92.5°	21.4	21.0	20.7	20.5	20.2	19.5	18.5	17.3	16.3	15.3	13.9
95°	20.0	20.0	20.0	20.0	20.0	19.5	18.5	17.3	16.3	15.3	23.3
97.5°	20.0	20.0	20.0	20.0	20.0	23.0	28.9	35.0	40.9	46.9	62.9
100°	20.0	20.8	21.7	22.5	23.4	39.6	71.2	102.7	134.3	165.9	165.0
102.5°	119.9	134.3	148.7	163.2	177.6	187.8	193.7	199.6	205.7	211.6	211.1
105°	283.1	283.3	283.5	283.8	284.0	284.1	284.1	284.1	284.1	284.1	284.1
107.5°	356.9	357.5	358.2	358.8	359.5	359.8	359.7	359.7	359.6	359.6	359.1
110°	408.0	407.7	407.6	407.4	407.2	407.4	408.0	408.6	409.3	409.9	409.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	453.7	454.0	454.3	454.7	455.0	455.5	456.3	457.1	457.9	458.7	458.5
115°	522.4	523.7	524.9	526.2	527.4	528.5	529.3	530.2	531.0	531.9	531.7
117.5°	595.6	596.2	596.7	597.3	597.8	598.6	599.7	600.9	601.9	603.0	602.2
120°	640.6	641.7	642.7	643.8	644.8	645.5	646.0	646.4	646.9	647.2	646.6
122.5°	683.3	684.6	685.8	687.0	688.2	689.0	689.5	689.8	690.3	690.7	690.4
125°	748.3	748.9	749.6	750.3	750.8	751.6	752.4	753.3	754.1	755.0	755.0
127.5°	803.0	804.6	806.2	807.8	809.3	810.3	810.8	811.2	811.7	812.2	812.3
130°	842.7	843.8	844.8	845.8	846.9	847.7	848.4	849.0	849.7	850.3	850.1
132.5°	879.3	880.3	881.4	882.5	883.5	884.1	884.2	884.4	884.5	884.7	885.0
135°	929.4	930.7	932.0	933.2	934.5	935.4	935.8	936.2	936.6	937.1	937.5
137.5°	979.8	980.9	981.9	983.1	984.2	984.7	984.6	984.5	984.4	984.3	984.7
140°	1009.5	1010.8	1012.0	1013.3	1014.6	1015.0	1014.6	1014.2	1013.7	1013.3	1013.5
142.5°	1037.7	1039.0	1040.3	1041.5	1042.8	1043.4	1043.3	1043.2	1043.1	1043.0	1042.7
145°	1079.1	1080.3	1081.7	1082.9	1084.2	1084.7	1084.5	1084.3	1084.1	1083.8	1083.8
147.5°	1113.2	1114.7	1116.3	1117.8	1119.4	1119.9	1119.7	1119.5	1119.2	1118.9	1118.7
150°	1135.3	1137.0	1138.7	1140.4	1142.1	1142.7	1142.4	1141.9	1141.5	1141.0	1140.7
152.5°	1155.9	1157.4	1159.0	1160.5	1162.1	1162.5	1162.2	1161.7	1161.3	1160.8	1160.5
155°	1183.0	1184.7	1186.4	1188.1	1189.8	1190.3	1189.7	1189.0	1188.4	1187.8	1187.3
157.5°	1205.7	1207.4	1209.1	1210.8	1212.5	1213.0	1212.3	1211.6	1211.0	1210.2	1210.2
160°	1220.2	1221.9	1223.6	1225.3	1226.9	1227.4	1226.5	1225.7	1224.8	1224.0	1223.8
162.5°	1233.1	1235.0	1236.9	1238.7	1240.6	1241.0	1239.7	1238.6	1237.4	1236.1	1236.0
165°	1250.7	1252.4	1254.1	1255.7	1257.4	1257.6	1256.4	1255.1	1253.9	1252.5	1252.4
167.5°	1262.9	1264.8	1266.7	1268.6	1270.5	1270.7	1269.1	1267.6	1266.1	1264.6	1264.4
170°	1269.7	1271.7	1273.6	1275.4	1277.3	1277.5	1275.8	1274.1	1272.4	1270.7	1270.5
172.5°	1274.3	1276.2	1278.1	1280.1	1282.0	1282.1	1280.6	1279.1	1277.5	1276.0	1275.6
175°	1280.3	1282.1	1284.0	1285.9	1287.9	1288.0	1286.3	1284.6	1282.9	1281.2	1281.0
177.5°	1283.6	1285.1	1286.4	1287.7	1289.1	1289.2	1288.0	1286.8	1285.6	1284.4	1284.2
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1225.1	1222.4	1217.3	1212.6	1206.7	1201.6	1198.1	1193.8	1188.3	1181.7	1176.2
5°	1279.3	1268.6	1254.3	1242.2	1226.4	1214.3	1201.6	1189.3	1177.0	1161.4	1147.6
7.5°	1339.4	1317.2	1295.6	1268.4	1243.7	1221.6	1200.5	1179.1	1158.2	1136.0	1114.5
10°	1376.2	1349.3	1319.5	1285.2	1253.9	1224.0	1196.7	1169.7	1141.3	1116.3	1089.4
12.5°	1410.7	1375.9	1341.8	1298.5	1260.9	1224.5	1189.6	1156.0	1125.7	1093.3	1064.4
15°	1441.8	1407.6	1369.4	1316.5	1264.1	1220.1	1179.0	1135.5	1097.8	1061.6	1029.3
17.5°	1453.9	1418.0	1373.6	1322.8	1265.6	1210.1	1157.2	1109.4	1065.1	1022.8	986.6
20°	1449.2	1414.4	1368.9	1320.4	1259.2	1201.6	1144.2	1091.4	1042.0	997.4	958.8
22.5°	1437.8	1401.8	1357.9	1306.7	1248.7	1187.4	1126.2	1069.9	1018.0	971.9	929.8
25°	1420.8	1371.9	1326.8	1276.9	1221.5	1160.9	1097.8	1035.6	980.3	933.3	887.3
27.5°	1403.1	1342.0	1284.7	1235.1	1176.7	1122.5	1061.7	997.9	939.8	891.9	844.7
30°	1387.0	1318.5	1255.4	1199.1	1143.8	1092.4	1034.6	972.4	912.8	863.4	815.4
32.5°	1367.1	1294.2	1224.8	1159.9	1106.5	1055.6	1003.3	943.9	885.7	834.7	786.0
35°	1342.0	1249.0	1173.7	1104.6	1045.4	996.0	949.0	901.0	842.7	789.9	742.4
37.5°	1309.1	1203.5	1116.3	1041.2	978.7	929.1	892.0	848.2	795.0	744.4	700.3
40°	1289.1	1170.6	1075.3	1000.9	935.3	882.9	848.2	811.0	762.5	715.0	671.0
42.5°	1262.5	1140.6	1033.8	956.2	890.2	839.8	804.6	772.2	731.6	686.8	639.7
45°	1210.3	1082.1	970.1	886.8	820.3	770.8	738.0	709.2	678.3	637.3	596.1
47.5°	1142.4	1021.2	903.8	813.0	747.8	701.9	670.1	647.3	625.3	590.3	550.4
50°	1088.0	971.0	856.5	768.4	698.9	655.3	625.5	607.4	587.3	555.4	522.2
52.5°	1023.8	919.4	807.1	717.1	651.5	610.7	582.0	563.9	547.3	521.4	489.7
55°	922.6	831.0	728.2	646.5	586.4	545.2	517.8	500.7	490.9	468.8	443.9
57.5°	805.8	740.2	649.5	570.7	517.6	476.9	456.9	442.2	431.2	415.6	398.0
60°	724.3	678.3	597.1	522.2	473.3	434.6	416.5	404.3	394.0	380.8	367.0
62.5°	641.7	608.2	537.5	473.3	428.2	395.9	378.9	367.9	356.0	347.1	333.8
65°	531.0	501.1	452.2	401.8	360.2	334.2	322.1	312.3	304.9	295.1	285.8
67.5°	413.0	401.0	367.1	332.4	302.6	279.5	268.9	262.0	253.3	247.3	241.0
70°	340.6	334.8	310.8	287.8	259.9	244.2	234.4	231.5	220.7	214.9	210.5
72.5°	276.4	273.7	259.9	243.9	224.2	210.6	201.5	198.2	191.3	186.6	183.8
75°	189.4	190.4	187.9	177.7	170.3	161.6	153.6	151.7	146.8	142.9	140.4
77.5°	119.8	124.8	125.0	124.5	121.6	116.2	112.9	111.5	106.7	105.2	104.6
80°	82.2	87.6	92.5	92.0	91.0	89.5	87.1	85.7	83.2	81.7	80.8
82.5°	54.9	59.9	63.9	66.5	66.4	64.9	63.2	62.6	62.0	61.0	60.8
85°	25.9	27.0	28.4	31.9	34.2	34.8	34.2	33.7	32.3	32.8	33.3
87.5°	11.5	11.1	11.2	10.9	10.2	11.9	12.6	12.7	12.3	11.9	11.4
90°	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9	2.6	4.3	6.0
92.5°	12.6	11.3	10.0	9.9	11.1	12.3	13.5	14.7	13.5	12.3	11.1
95°	31.4	39.4	47.4	51.8	52.4	53.1	53.7	54.3	53.7	53.1	52.4
97.5°	78.8	94.7	110.7	118.0	116.9	115.7	114.6	113.5	114.6	115.7	116.9
100°	164.2	163.3	162.5	161.7	161.1	160.4	159.9	159.2	159.9	160.4	161.1
102.5°	210.6	210.1	209.6	209.0	208.1	207.4	206.5	205.8	206.5	207.4	208.1
105°	284.1	284.1	284.1	283.6	282.8	281.9	281.1	280.2	281.1	281.9	282.8
107.5°	358.7	358.3	357.9	357.7	357.7	357.7	357.7	357.7	357.7	357.7	357.7
110°	409.1	408.6	408.2	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0



TEST NUMBER: P333688-830

CATALOG NUMBER: S125RDIW-S850D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.2	458.0	457.7	457.3	456.8	456.3	455.8	455.2	455.8	456.3	456.8
115°	531.5	531.3	531.0	530.5	529.3	528.3	527.3	526.2	527.3	528.3	529.3
117.5°	601.4	600.6	599.8	599.5	599.5	599.6	599.6	599.6	599.6	599.6	599.5
120°	646.0	645.4	644.7	644.5	644.7	644.9	645.2	645.4	645.2	644.9	644.7
122.5°	690.1	689.8	689.6	689.0	688.2	687.4	686.5	685.8	686.5	687.4	688.2
125°	755.0	755.0	755.0	754.2	752.7	751.3	749.8	748.3	749.8	751.3	752.7
127.5°	812.5	812.6	812.7	812.2	811.2	810.1	809.1	807.9	809.1	810.1	811.2
130°	849.9	849.7	849.4	848.9	847.7	846.7	845.6	844.6	845.6	846.7	847.7
132.5°	885.5	886.0	886.5	886.1	884.9	883.6	882.4	881.2	882.4	883.6	884.9
135°	937.9	938.3	938.8	938.3	937.1	935.8	934.5	933.2	934.5	935.8	937.1
137.5°	985.1	985.5	985.9	985.5	984.4	983.3	982.2	981.1	982.2	983.3	984.4
140°	1013.7	1014.0	1014.2	1014.1	1013.6	1013.2	1012.8	1012.4	1012.8	1013.2	1013.6
142.5°	1042.5	1042.2	1041.9	1041.6	1041.3	1041.1	1040.8	1040.6	1040.8	1041.1	1041.3
145°	1083.8	1083.8	1083.8	1083.6	1083.3	1082.8	1082.4	1081.9	1082.4	1082.8	1083.3
147.5°	1118.4	1118.1	1117.9	1117.9	1117.9	1118.0	1118.1	1118.1	1118.1	1118.0	1117.9
150°	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1140.7	1140.2	1139.8
152.5°	1160.1	1159.6	1159.2	1159.4	1160.4	1161.3	1162.2	1163.2	1162.2	1161.3	1160.4
155°	1186.9	1186.5	1186.1	1186.5	1187.8	1189.0	1190.3	1191.6	1190.3	1189.0	1187.8
157.5°	1210.1	1210.1	1210.1	1210.4	1211.3	1212.0	1212.8	1213.5	1212.8	1212.0	1211.3
160°	1223.6	1223.3	1223.1	1223.7	1224.9	1226.2	1227.5	1228.8	1227.5	1226.2	1224.9
162.5°	1235.8	1235.6	1235.3	1235.9	1237.2	1238.4	1239.7	1241.0	1239.7	1238.4	1237.2
165°	1252.2	1252.0	1251.7	1252.3	1253.6	1254.8	1256.1	1257.4	1256.1	1254.8	1253.6
167.5°	1264.1	1263.9	1263.8	1264.3	1265.6	1267.0	1268.3	1269.5	1268.3	1267.0	1265.6
170°	1270.3	1270.1	1269.9	1270.5	1272.0	1273.5	1275.0	1276.4	1275.0	1273.5	1272.0
172.5°	1275.3	1274.9	1274.5	1275.1	1276.6	1278.0	1279.5	1281.0	1279.5	1278.0	1276.6
175°	1280.7	1280.5	1280.3	1280.8	1282.1	1283.4	1284.7	1285.9	1284.7	1283.4	1282.1
177.5°	1284.1	1283.9	1283.7	1284.2	1285.2	1286.2	1287.2	1288.3	1287.2	1286.2	1285.2
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333688-830

CATALOG NUMBER: S125RDIW-S850D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1172.2	1166.8	1162.8	1155.0	1149.5	1147.2	1142.9	1141.7	1146.0	1142.9	1142.5
5°	1137.4	1123.2	1111.9	1100.7	1088.4	1080.6	1068.8	1067.0	1063.9	1059.6	1058.6
7.5°	1095.6	1077.1	1062.6	1044.1	1027.8	1014.8	1000.1	993.3	989.4	983.7	976.1
10°	1067.4	1045.4	1025.8	1007.2	987.1	971.0	956.3	945.1	937.7	930.9	927.9
12.5°	1039.6	1017.2	992.1	969.6	947.3	929.1	912.9	905.5	897.4	889.4	882.5
15°	996.5	966.6	939.1	913.2	894.2	874.6	858.9	848.2	835.9	832.5	819.3
17.5°	950.6	921.3	889.3	862.0	839.8	818.3	801.1	788.8	779.7	767.0	760.9
20°	922.1	887.3	856.0	831.0	806.5	781.1	763.5	753.2	744.4	734.1	729.2
22.5°	891.6	857.5	825.5	796.2	771.3	746.3	733.8	723.0	713.0	703.6	697.1
25°	846.7	812.5	778.6	748.3	722.4	704.3	689.6	677.3	671.9	662.7	655.8
27.5°	802.4	765.9	730.8	700.7	680.3	662.4	650.4	640.6	630.9	622.8	616.9
30°	773.7	736.6	698.4	674.4	652.9	635.7	622.5	613.2	605.9	598.5	594.2
32.5°	745.2	706.8	673.0	647.0	626.6	611.9	598.2	589.4	581.6	573.5	568.4
35°	699.4	660.3	632.8	607.4	587.3	573.6	564.3	551.6	545.2	539.3	534.0
37.5°	656.8	620.4	590.7	568.4	551.0	537.3	525.4	518.5	510.7	505.4	500.9
40°	625.5	592.2	565.2	541.8	529.0	513.9	502.7	493.8	488.0	481.1	476.2
42.5°	597.3	566.4	540.2	519.1	503.2	490.4	479.6	470.7	463.3	458.4	454.3
45°	557.4	526.6	501.1	481.5	466.9	454.7	443.4	439.0	429.2	423.4	421.4
47.5°	516.2	488.6	464.1	446.0	431.0	419.4	408.9	399.8	394.5	388.7	385.6
50°	488.4	462.0	439.0	421.4	406.7	394.0	384.2	378.3	371.0	365.6	361.7
52.5°	460.6	436.2	413.2	396.3	383.6	370.9	360.0	354.0	347.1	343.7	340.9
55°	420.9	394.9	375.4	358.7	345.5	333.8	323.5	317.6	313.2	309.8	308.8
57.5°	375.9	355.3	337.1	322.2	308.4	297.4	288.3	282.8	278.9	278.3	275.4
60°	346.5	327.9	311.2	295.1	283.3	273.1	265.2	258.9	255.0	254.5	253.5
62.5°	317.2	299.4	283.9	269.7	259.1	249.2	241.8	234.6	232.2	229.8	227.7
65°	273.6	257.4	244.7	233.5	222.2	213.9	206.5	202.1	196.7	193.8	188.4
67.5°	230.8	218.3	206.0	196.5	187.8	179.8	173.7	167.2	163.5	161.2	157.3
70°	202.6	192.8	180.6	170.3	163.4	157.1	152.2	144.9	142.4	140.4	138.5
72.5°	176.0	167.4	157.1	148.8	141.9	135.9	130.3	126.9	124.4	122.4	121.3
75°	138.5	130.2	121.4	115.5	110.7	105.8	102.7	100.3	99.3	98.9	96.9
77.5°	101.7	97.3	90.2	85.6	82.3	80.4	77.8	76.4	76.3	74.2	73.5
80°	77.9	75.4	69.5	67.6	65.1	63.2	61.6	59.2	56.7	55.8	54.3
82.5°	57.9	55.4	53.1	50.0	47.9	46.7	45.2	44.3	44.7	43.3	42.6
85°	30.8	28.4	27.4	27.0	25.9	27.0	26.4	25.9	25.4	25.0	25.4
87.5°	11.3	11.7	11.6	12.6	11.8	12.4	12.6	12.4	12.7	12.9	12.7
90°	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.3	18.5	19.5	20.4
92.5°	9.9	10.0	11.3	12.6	13.9	15.3	16.3	17.3	18.5	19.5	20.2
95°	51.8	47.4	39.4	31.4	23.3	15.3	16.3	17.3	18.5	19.5	20.0
97.5°	118.0	110.7	94.7	78.8	62.9	46.9	40.9	35.0	28.9	23.0	20.0
100°	161.7	162.5	163.3	164.2	165.0	165.9	134.3	102.7	71.2	39.6	23.4
102.5°	209.0	209.6	210.1	210.6	211.1	211.6	205.7	199.6	193.7	187.8	177.6
105°	283.6	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.0
107.5°	357.7	357.9	358.3	358.7	359.1	359.6	359.6	359.7	359.7	359.8	359.5
110°	408.0	408.2	408.6	409.1	409.4	409.9	409.3	408.6	408.0	407.4	407.2



TEST NUMBER: P333688-830

CATALOG NUMBER: S125RDIW-S850D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	457.7	458.0	458.2	458.5	458.7	457.9	457.1	456.3	455.5	455.0
115°	530.5	531.0	531.3	531.5	531.7	531.9	531.0	530.2	529.3	528.5	527.4
117.5°	599.5	599.8	600.6	601.4	602.2	603.0	601.9	600.9	599.7	598.6	597.8
120°	644.5	644.7	645.4	646.0	646.6	647.2	646.9	646.4	646.0	645.5	644.8
122.5°	689.0	689.6	689.8	690.1	690.4	690.7	690.3	689.8	689.5	689.0	688.2
125°	754.2	755.0	755.0	755.0	755.0	755.0	754.1	753.3	752.4	751.6	750.8
127.5°	812.2	812.7	812.6	812.5	812.3	812.2	811.7	811.2	810.8	810.3	809.3
130°	848.9	849.4	849.7	849.9	850.1	850.3	849.7	849.0	848.4	847.7	846.9
132.5°	886.1	886.5	886.0	885.5	885.0	884.7	884.5	884.4	884.2	884.1	883.5
135°	938.3	938.8	938.3	937.9	937.5	937.1	936.6	936.2	935.8	935.4	934.5
137.5°	985.5	985.9	985.5	985.1	984.7	984.3	984.4	984.5	984.6	984.7	984.2
140°	1014.1	1014.2	1014.0	1013.7	1013.5	1013.3	1013.7	1014.2	1014.6	1015.0	1014.6
142.5°	1041.6	1041.9	1042.2	1042.5	1042.7	1043.0	1043.1	1043.2	1043.3	1043.4	1042.8
145°	1083.6	1083.8	1083.8	1083.8	1083.8	1083.8	1084.1	1084.3	1084.5	1084.7	1084.2
147.5°	1117.9	1117.9	1118.1	1118.4	1118.7	1118.9	1119.2	1119.5	1119.7	1119.9	1119.4
150°	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1141.5	1141.9	1142.4	1142.7	1142.1
152.5°	1159.4	1159.2	1159.6	1160.1	1160.5	1160.8	1161.3	1161.7	1162.2	1162.5	1162.1
155°	1186.5	1186.1	1186.5	1186.9	1187.3	1187.8	1188.4	1189.0	1189.7	1190.3	1189.8
157.5°	1210.4	1210.1	1210.1	1210.1	1210.2	1210.2	1211.0	1211.6	1212.3	1213.0	1212.5
160°	1223.7	1223.1	1223.3	1223.6	1223.8	1224.0	1224.8	1225.7	1226.5	1227.4	1226.9
162.5°	1235.9	1235.3	1235.6	1235.8	1236.0	1236.1	1237.4	1238.6	1239.7	1241.0	1240.6
165°	1252.3	1251.7	1252.0	1252.2	1252.4	1252.5	1253.9	1255.1	1256.4	1257.6	1257.4
167.5°	1264.3	1263.8	1263.9	1264.1	1264.4	1264.6	1266.1	1267.6	1269.1	1270.7	1270.5
170°	1270.5	1269.9	1270.1	1270.3	1270.5	1270.7	1272.4	1274.1	1275.8	1277.5	1277.3
172.5°	1275.1	1274.5	1274.9	1275.3	1275.6	1276.0	1277.5	1279.1	1280.6	1282.1	1282.0
175°	1280.8	1280.3	1280.5	1280.7	1281.0	1281.2	1282.9	1284.6	1286.3	1288.0	1287.9
177.5°	1284.2	1283.7	1283.9	1284.1	1284.2	1284.4	1285.6	1286.8	1288.0	1289.2	1289.1
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333688-830

CATALOG NUMBER: S125RDIW-S850D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.1	1137.8	1136.6	1138.2	1136.6	1137.8	1142.1	1142.5	1142.9	1146.0	1141.7
5°	1053.7	1048.9	1051.2	1050.3	1051.2	1048.9	1053.7	1058.6	1059.6	1063.9	1067.0
7.5°	976.0	969.9	963.5	965.5	963.5	969.9	976.0	976.1	983.7	989.4	993.3
10°	921.5	916.7	913.7	916.2	913.7	916.7	921.5	927.9	930.9	937.7	945.1
12.5°	875.7	872.8	870.2	869.2	870.2	872.8	875.7	882.5	889.4	897.4	905.5
15°	813.4	807.6	805.1	798.7	805.1	807.6	813.4	819.3	832.5	835.9	848.2
17.5°	755.9	754.0	747.6	744.9	747.6	754.0	755.9	760.9	767.0	779.7	788.8
20°	721.9	719.9	713.6	717.5	713.6	719.9	721.9	729.2	734.1	744.4	753.2
22.5°	693.7	689.4	687.3	686.2	687.3	689.4	693.7	697.1	703.6	713.0	723.0
25°	653.8	647.5	645.1	642.2	645.1	647.5	653.8	655.8	662.7	671.9	677.3
27.5°	614.2	610.7	607.5	606.7	607.5	610.7	614.2	616.9	622.8	630.9	640.6
30°	588.2	584.8	582.4	582.4	582.4	584.8	588.2	594.2	598.5	605.9	613.2
32.5°	565.1	562.5	560.1	559.7	560.1	562.5	565.1	568.4	573.5	581.6	589.4
35°	531.5	527.6	526.6	523.7	526.6	527.6	531.5	534.0	539.3	545.2	551.6
37.5°	496.5	493.3	493.2	492.9	493.2	493.3	496.5	500.9	505.4	510.7	518.5
40°	474.3	471.8	471.3	467.9	471.3	471.8	474.3	476.2	481.1	488.0	493.8
42.5°	450.3	449.1	447.4	445.9	447.4	449.1	450.3	454.3	458.4	463.3	470.7
45°	417.9	414.5	414.5	412.1	414.5	414.5	417.9	421.4	423.4	429.2	439.0
47.5°	384.5	381.8	382.1	379.6	382.1	381.8	384.5	385.6	388.7	394.5	399.8
50°	362.1	360.7	360.2	359.2	360.2	360.7	362.1	361.7	365.6	371.0	378.3
52.5°	339.9	339.1	341.0	338.8	341.0	339.1	339.9	340.9	343.7	347.1	354.0
55°	309.8	308.3	311.2	308.3	311.2	308.3	309.8	308.8	309.8	313.2	317.6
57.5°	275.2	273.9	276.5	275.0	276.5	273.9	275.2	275.4	278.3	278.9	282.8
60°	252.5	249.6	251.1	251.6	251.1	249.6	252.5	253.5	254.5	255.0	258.9
62.5°	225.6	223.8	224.8	222.6	224.8	223.8	225.6	227.7	229.8	232.2	234.6
65°	187.5	186.0	184.0	183.0	184.0	186.0	187.5	188.4	193.8	196.7	202.1
67.5°	157.5	154.0	153.9	154.7	153.9	154.0	157.5	157.3	161.2	163.5	167.2
70°	135.5	135.5	135.1	135.1	135.1	135.5	135.5	138.5	140.4	142.4	144.9
72.5°	120.3	119.9	119.0	118.7	119.0	119.9	120.3	121.3	122.4	124.4	126.9
75°	96.9	97.4	96.4	96.0	96.4	97.4	96.9	96.9	98.9	99.3	100.3
77.5°	71.5	69.5	70.6	69.5	70.6	69.5	71.5	73.5	74.2	76.3	76.4
80°	54.3	53.8	55.3	53.8	55.3	53.8	54.3	54.3	55.8	56.7	59.2
82.5°	43.0	42.5	43.2	42.1	43.2	42.5	43.0	42.6	43.3	44.7	44.3
85°	25.9	25.4	25.0	25.4	25.0	25.4	25.9	25.4	25.0	25.4	25.9
87.5°	13.2	12.9	13.1	13.2	13.1	12.9	13.2	12.7	12.9	12.7	12.4
90°	21.0	21.6	22.2	22.9	22.2	21.6	21.0	20.4	19.5	18.5	17.3
92.5°	20.5	20.7	21.0	21.4	21.0	20.7	20.5	20.2	19.5	18.5	17.3
95°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.5	18.5	17.3
97.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	23.0	28.9	35.0
100°	22.5	21.7	20.8	20.0	20.8	21.7	22.5	23.4	39.6	71.2	102.7
102.5°	163.2	148.7	134.3	119.9	134.3	148.7	163.2	177.6	187.8	193.7	199.6
105°	283.8	283.5	283.3	283.1	283.3	283.5	283.8	284.0	284.1	284.1	284.1
107.5°	358.8	358.2	357.5	356.9	357.5	358.2	358.8	359.5	359.8	359.7	359.7
110°	407.4	407.6	407.7	408.0	407.7	407.6	407.4	407.2	407.4	408.0	408.6



TEST NUMBER: P333688-830

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	454.7	454.3	454.0	453.7	454.0	454.3	454.7	455.0	455.5	456.3	457.1
115°	526.2	524.9	523.7	522.4	523.7	524.9	526.2	527.4	528.5	529.3	530.2
117.5°	597.3	596.7	596.2	595.6	596.2	596.7	597.3	597.8	598.6	599.7	600.9
120°	643.8	642.7	641.7	640.6	641.7	642.7	643.8	644.8	645.5	646.0	646.4
122.5°	687.0	685.8	684.6	683.3	684.6	685.8	687.0	688.2	689.0	689.5	689.8
125°	750.3	749.6	748.9	748.3	748.9	749.6	750.3	750.8	751.6	752.4	753.3
127.5°	807.8	806.2	804.6	803.0	804.6	806.2	807.8	809.3	810.3	810.8	811.2
130°	845.8	844.8	843.8	842.7	843.8	844.8	845.8	846.9	847.7	848.4	849.0
132.5°	882.5	881.4	880.3	879.3	880.3	881.4	882.5	883.5	884.1	884.2	884.4
135°	933.2	932.0	930.7	929.4	930.7	932.0	933.2	934.5	935.4	935.8	936.2
137.5°	983.1	981.9	980.9	979.8	980.9	981.9	983.1	984.2	984.7	984.6	984.5
140°	1013.3	1012.0	1010.8	1009.5	1010.8	1012.0	1013.3	1014.6	1015.0	1014.6	1014.2
142.5°	1041.5	1040.3	1039.0	1037.7	1039.0	1040.3	1041.5	1042.8	1043.4	1043.3	1043.2
145°	1082.9	1081.7	1080.3	1079.1	1080.3	1081.7	1082.9	1084.2	1084.7	1084.5	1084.3
147.5°	1117.8	1116.3	1114.7	1113.2	1114.7	1116.3	1117.8	1119.4	1119.9	1119.7	1119.5
150°	1140.4	1138.7	1137.0	1135.3	1137.0	1138.7	1140.4	1142.1	1142.7	1142.4	1141.9
152.5°	1160.5	1159.0	1157.4	1155.9	1157.4	1159.0	1160.5	1162.1	1162.5	1162.2	1161.7
155°	1188.1	1186.4	1184.7	1183.0	1184.7	1186.4	1188.1	1189.8	1190.3	1189.7	1189.0
157.5°	1210.8	1209.1	1207.4	1205.7	1207.4	1209.1	1210.8	1212.5	1213.0	1212.3	1211.6
160°	1225.3	1223.6	1221.9	1220.2	1221.9	1223.6	1225.3	1226.9	1227.4	1226.5	1225.7
162.5°	1238.7	1236.9	1235.0	1233.1	1235.0	1236.9	1238.7	1240.6	1241.0	1239.7	1238.6
165°	1255.7	1254.1	1252.4	1250.7	1252.4	1254.1	1255.7	1257.4	1257.6	1256.4	1255.1
167.5°	1268.6	1266.7	1264.8	1262.9	1264.8	1266.7	1268.6	1270.5	1270.7	1269.1	1267.6
170°	1275.4	1273.6	1271.7	1269.7	1271.7	1273.6	1275.4	1277.3	1277.5	1275.8	1274.1
172.5°	1280.1	1278.1	1276.2	1274.3	1276.2	1278.1	1280.1	1282.0	1282.1	1280.6	1279.1
175°	1285.9	1284.0	1282.1	1280.3	1282.1	1284.0	1285.9	1287.9	1288.0	1286.3	1284.6
177.5°	1287.7	1286.4	1285.1	1283.6	1285.1	1286.4	1287.7	1289.1	1289.2	1288.0	1286.8
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333688-830

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.9	1147.2	1149.5	1155.0	1162.8	1166.8	1172.2	1176.2	1181.7	1188.3	1193.8
5°	1068.8	1080.6	1088.4	1100.7	1111.9	1123.2	1137.4	1147.6	1161.4	1177.0	1189.3
7.5°	1000.1	1014.8	1027.8	1044.1	1062.6	1077.1	1095.6	1114.5	1136.0	1158.2	1179.1
10°	956.3	971.0	987.1	1007.2	1025.8	1045.4	1067.4	1089.4	1116.3	1141.3	1169.7
12.5°	912.9	929.1	947.3	969.6	992.1	1017.2	1039.6	1064.4	1093.3	1125.7	1156.0
15°	858.9	874.6	894.2	913.2	939.1	966.6	996.5	1029.3	1061.6	1097.8	1135.5
17.5°	801.1	818.3	839.8	862.0	889.3	921.3	950.6	986.6	1022.8	1065.1	1109.4
20°	763.5	781.1	806.5	831.0	856.0	887.3	922.1	958.8	997.4	1042.0	1091.4
22.5°	733.8	746.3	771.3	796.2	825.5	857.5	891.6	929.8	971.9	1018.0	1069.9
25°	689.6	704.3	722.4	748.3	778.6	812.5	846.7	887.3	933.3	980.3	1035.6
27.5°	650.4	662.4	680.3	700.7	730.8	765.9	802.4	844.7	891.9	939.8	997.9
30°	622.5	635.7	652.9	674.4	698.4	736.6	773.7	815.4	863.4	912.8	972.4
32.5°	598.2	611.9	626.6	647.0	673.0	706.8	745.2	786.0	834.7	885.7	943.9
35°	564.3	573.6	587.3	607.4	632.8	660.3	699.4	742.4	789.9	842.7	901.0
37.5°	525.4	537.3	551.0	568.4	590.7	620.4	656.8	700.3	744.4	795.0	848.2
40°	502.7	513.9	529.0	541.8	565.2	592.2	625.5	671.0	715.0	762.5	811.0
42.5°	479.6	490.4	503.2	519.1	540.2	566.4	597.3	639.7	686.8	731.6	772.2
45°	443.4	454.7	466.9	481.5	501.1	526.6	557.4	596.1	637.3	678.3	709.2
47.5°	408.9	419.4	431.0	446.0	464.1	488.6	516.2	550.4	590.3	625.3	647.3
50°	384.2	394.0	406.7	421.4	439.0	462.0	488.4	522.2	555.4	587.3	607.4
52.5°	360.0	370.9	383.6	396.3	413.2	436.2	460.6	489.7	521.4	547.3	563.9
55°	323.5	333.8	345.5	358.7	375.4	394.9	420.9	443.9	468.8	490.9	500.7
57.5°	288.3	297.4	308.4	322.2	337.1	355.3	375.9	398.0	415.6	431.2	442.2
60°	265.2	273.1	283.3	295.1	311.2	327.9	346.5	367.0	380.8	394.0	404.3
62.5°	241.8	249.2	259.1	269.7	283.9	299.4	317.2	333.8	347.1	356.0	367.9
65°	206.5	213.9	222.2	233.5	244.7	257.4	273.6	285.8	295.1	304.9	312.3
67.5°	173.7	179.8	187.8	196.5	206.0	218.3	230.8	241.0	247.3	253.3	262.0
70°	152.2	157.1	163.4	170.3	180.6	192.8	202.6	210.5	214.9	220.7	231.5
72.5°	130.3	135.9	141.9	148.8	157.1	167.4	176.0	183.8	186.6	191.3	198.2
75°	102.7	105.8	110.7	115.5	121.4	130.2	138.5	140.4	142.9	146.8	151.7
77.5°	77.8	80.4	82.3	85.6	90.2	97.3	101.7	104.6	105.2	106.7	111.5
80°	61.6	63.2	65.1	67.6	69.5	75.4	77.9	80.8	81.7	83.2	85.7
82.5°	45.2	46.7	47.9	50.0	53.1	55.4	57.9	60.8	61.0	62.0	62.6
85°	26.4	27.0	25.9	27.0	27.4	28.4	30.8	33.3	32.8	32.3	33.7
87.5°	12.6	12.4	11.8	12.6	11.6	11.7	11.3	11.4	11.9	12.3	12.7
90°	16.3	15.3	13.8	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9
92.5°	16.3	15.3	13.9	12.6	11.3	10.0	9.9	11.1	12.3	13.5	14.7
95°	16.3	15.3	23.3	31.4	39.4	47.4	51.8	52.4	53.1	53.7	54.3
97.5°	40.9	46.9	62.9	78.8	94.7	110.7	118.0	116.9	115.7	114.6	113.5
100°	134.3	165.9	165.0	164.2	163.3	162.5	161.7	161.1	160.4	159.9	159.2
102.5°	205.7	211.6	211.1	210.6	210.1	209.6	209.0	208.1	207.4	206.5	205.8
105°	284.1	284.1	284.1	284.1	284.1	284.1	283.6	282.8	281.9	281.1	280.2
107.5°	359.6	359.6	359.1	358.7	358.3	357.9	357.7	357.7	357.7	357.7	357.7
110°	409.3	409.9	409.4	409.1	408.6	408.2	408.0	408.0	408.0	408.0	408.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.9	458.7	458.5	458.2	458.0	457.7	457.3	456.8	456.3	455.8	455.2
115°	531.0	531.9	531.7	531.5	531.3	531.0	530.5	529.3	528.3	527.3	526.2
117.5°	601.9	603.0	602.2	601.4	600.6	599.8	599.5	599.5	599.6	599.6	599.6
120°	646.9	647.2	646.6	646.0	645.4	644.7	644.5	644.7	644.9	645.2	645.4
122.5°	690.3	690.7	690.4	690.1	689.8	689.6	689.0	688.2	687.4	686.5	685.8
125°	754.1	755.0	755.0	755.0	755.0	755.0	754.2	752.7	751.3	749.8	748.3
127.5°	811.7	812.2	812.3	812.5	812.6	812.7	812.2	811.2	810.1	809.1	807.9
130°	849.7	850.3	850.1	849.9	849.7	849.4	848.9	847.7	846.7	845.6	844.6
132.5°	884.5	884.7	885.0	885.5	886.0	886.5	886.1	884.9	883.6	882.4	881.2
135°	936.6	937.1	937.5	937.9	938.3	938.8	938.3	937.1	935.8	934.5	933.2
137.5°	984.4	984.3	984.7	985.1	985.5	985.9	985.5	984.4	983.3	982.2	981.1
140°	1013.7	1013.3	1013.5	1013.7	1014.0	1014.2	1014.1	1013.6	1013.2	1012.8	1012.4
142.5°	1043.1	1043.0	1042.7	1042.5	1042.2	1041.9	1041.6	1041.3	1041.1	1040.8	1040.6
145°	1084.1	1083.8	1083.8	1083.8	1083.8	1083.8	1083.6	1083.3	1082.8	1082.4	1081.9
147.5°	1119.2	1118.9	1118.7	1118.4	1118.1	1117.9	1117.9	1117.9	1118.0	1118.1	1118.1
150°	1141.5	1141.0	1140.7	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0
152.5°	1161.3	1160.8	1160.5	1160.1	1159.6	1159.2	1159.4	1160.4	1161.3	1162.2	1163.2
155°	1188.4	1187.8	1187.3	1186.9	1186.5	1186.1	1186.5	1187.8	1189.0	1190.3	1191.6
157.5°	1211.0	1210.2	1210.2	1210.1	1210.1	1210.1	1210.4	1211.3	1212.0	1212.8	1213.5
160°	1224.8	1224.0	1223.8	1223.6	1223.3	1223.1	1223.7	1224.9	1226.2	1227.5	1228.8
162.5°	1237.4	1236.1	1236.0	1235.8	1235.6	1235.3	1235.9	1237.2	1238.4	1239.7	1241.0
165°	1253.9	1252.5	1252.4	1252.2	1252.0	1251.7	1252.3	1253.6	1254.8	1256.1	1257.4
167.5°	1266.1	1264.6	1264.4	1264.1	1263.9	1263.8	1264.3	1265.6	1267.0	1268.3	1269.5
170°	1272.4	1270.7	1270.5	1270.3	1270.1	1269.9	1270.5	1272.0	1273.5	1275.0	1276.4
172.5°	1277.5	1276.0	1275.6	1275.3	1274.9	1274.5	1275.1	1276.6	1278.0	1279.5	1281.0
175°	1282.9	1281.2	1281.0	1280.7	1280.5	1280.3	1280.8	1282.1	1283.4	1284.7	1285.9
177.5°	1285.6	1284.4	1284.2	1284.1	1283.9	1283.7	1284.2	1285.2	1286.2	1287.2	1288.3
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333688-830

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1198.1	1201.6	1206.7	1212.6	1217.3	1222.4	1225.1	1225.1	1227.5	1232.6	1239.2
5°	1201.6	1214.3	1226.4	1242.2	1254.3	1268.6	1279.3	1289.6	1298.9	1310.6	1322.9
7.5°	1200.5	1221.6	1243.7	1268.4	1295.6	1317.2	1339.4	1356.9	1374.0	1396.6	1414.3
10°	1196.7	1224.0	1253.9	1285.2	1319.5	1349.3	1376.2	1400.7	1424.2	1448.7	1470.6
12.5°	1189.6	1224.5	1260.9	1298.5	1341.8	1375.9	1410.7	1436.7	1464.1	1490.9	1518.1
15°	1179.0	1220.1	1264.1	1316.5	1369.4	1407.6	1441.8	1475.6	1501.0	1531.3	1557.4
17.5°	1157.2	1210.1	1265.6	1322.8	1373.6	1418.0	1453.9	1485.9	1513.1	1546.4	1581.7
20°	1144.2	1201.6	1259.2	1320.4	1368.9	1414.4	1449.2	1482.4	1516.2	1559.7	1602.8
22.5°	1126.2	1187.4	1248.7	1306.7	1357.9	1401.8	1437.8	1478.6	1522.9	1572.3	1624.4
25°	1097.8	1160.9	1221.5	1276.9	1326.8	1371.9	1420.8	1475.6	1529.5	1594.5	1669.4
27.5°	1061.7	1122.5	1176.7	1235.1	1284.7	1342.0	1403.1	1462.4	1540.1	1629.7	1723.2
30°	1034.6	1092.4	1143.8	1199.1	1255.4	1318.5	1387.0	1457.0	1549.4	1654.7	1765.9
32.5°	1003.3	1055.6	1106.5	1159.9	1224.8	1294.2	1367.1	1452.6	1563.2	1682.9	1797.9
35°	949.0	996.0	1045.4	1104.6	1173.7	1249.0	1342.0	1446.2	1579.8	1708.5	1811.8
37.5°	892.0	929.1	978.7	1041.2	1116.3	1203.5	1309.1	1435.8	1573.0	1688.5	1732.4
40°	848.2	882.9	935.3	1000.9	1075.3	1170.6	1289.1	1419.3	1557.4	1637.6	1634.2
42.5°	804.6	839.8	890.2	956.2	1033.8	1140.6	1262.5	1397.8	1514.3	1544.8	1481.1
45°	738.0	770.8	820.3	886.8	970.1	1082.1	1210.3	1340.0	1414.4	1365.0	1238.7
47.5°	670.1	701.9	747.8	813.0	903.8	1021.2	1142.4	1248.8	1259.2	1153.1	1001.6
50°	625.5	655.3	698.9	768.4	856.5	971.0	1088.0	1171.7	1145.8	1016.1	859.9
52.5°	582.0	610.7	651.5	717.1	807.1	919.4	1023.8	1089.4	1029.4	891.6	751.0
55°	517.8	545.2	586.4	646.5	728.2	831.0	922.6	946.5	858.5	719.4	605.9
57.5°	456.9	476.9	517.6	570.7	649.5	740.2	805.8	801.4	704.3	579.1	497.7
60°	416.5	434.6	473.3	522.2	597.1	678.3	724.3	704.7	606.3	503.1	424.8
62.5°	378.9	395.9	428.2	473.3	537.5	608.2	641.7	614.7	521.8	431.1	368.8
65°	322.1	334.2	360.2	401.8	452.2	501.1	531.0	491.3	409.2	340.6	293.6
67.5°	268.9	279.5	302.6	332.4	367.1	401.0	413.0	375.9	312.0	265.8	232.7
70°	234.4	244.2	259.9	287.8	310.8	334.8	340.6	307.4	254.0	218.8	198.2
72.5°	201.5	210.6	224.2	243.9	259.9	273.7	276.4	245.5	204.6	180.4	164.6
75°	153.6	161.6	170.3	177.7	187.9	190.4	189.4	165.4	143.4	127.2	118.5
77.5°	112.9	116.2	121.6	124.5	125.0	124.8	119.8	104.6	93.3	86.6	83.0
80°	87.1	89.5	91.0	92.0	92.5	87.6	82.2	73.0	69.0	65.1	60.7
82.5°	63.2	64.9	66.4	66.5	63.9	59.9	54.9	50.2	47.5	45.5	43.8
85°	34.2	34.8	34.2	31.9	28.4	27.0	25.9	25.0	24.5	23.9	23.9
87.5°	12.6	11.9	10.2	10.9	11.2	11.1	11.5	11.4	11.3	11.5	11.7
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.3
92.5°	13.5	12.3	11.1	9.9	10.0	11.3	12.6	13.9	15.3	16.3	17.3
95°	53.7	53.1	52.4	51.8	47.4	39.4	31.4	23.3	15.3	16.3	17.3
97.5°	114.6	115.7	116.9	118.0	110.7	94.7	78.8	62.9	46.9	40.9	35.0
100°	159.9	160.4	161.1	161.7	162.5	163.3	164.2	165.0	165.9	134.3	102.7
102.5°	206.5	207.4	208.1	209.0	209.6	210.1	210.6	211.1	211.6	205.7	199.6
105°	281.1	281.9	282.8	283.6	284.1	284.1	284.1	284.1	284.1	284.1	284.1
107.5°	357.7	357.7	357.7	357.7	357.9	358.3	358.7	359.1	359.6	359.6	359.7
110°	408.0	408.0	408.0	408.0	408.2	408.6	409.1	409.4	409.9	409.3	408.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.8	456.3	456.8	457.3	457.7	458.0	458.2	458.5	458.7	457.9	457.1
115°	527.3	528.3	529.3	530.5	531.0	531.3	531.5	531.7	531.9	531.0	530.2
117.5°	599.6	599.6	599.5	599.5	599.8	600.6	601.4	602.2	603.0	601.9	600.9
120°	645.2	644.9	644.7	644.5	644.7	645.4	646.0	646.6	647.2	646.9	646.4
122.5°	686.5	687.4	688.2	689.0	689.6	689.8	690.1	690.4	690.7	690.3	689.8
125°	749.8	751.3	752.7	754.2	755.0	755.0	755.0	755.0	755.0	754.1	753.3
127.5°	809.1	810.1	811.2	812.2	812.7	812.6	812.5	812.3	812.2	811.7	811.2
130°	845.6	846.7	847.7	848.9	849.4	849.7	849.9	850.1	850.3	849.7	849.0
132.5°	882.4	883.6	884.9	886.1	886.5	886.0	885.5	885.0	884.7	884.5	884.4
135°	934.5	935.8	937.1	938.3	938.8	938.3	937.9	937.5	937.1	936.6	936.2
137.5°	982.2	983.3	984.4	985.5	985.9	985.5	985.1	984.7	984.3	984.4	984.5
140°	1012.8	1013.2	1013.6	1014.1	1014.2	1014.0	1013.7	1013.5	1013.3	1013.7	1014.2
142.5°	1040.8	1041.1	1041.3	1041.6	1041.9	1042.2	1042.5	1042.7	1043.0	1043.1	1043.2
145°	1082.4	1082.8	1083.3	1083.6	1083.8	1083.8	1083.8	1083.8	1083.8	1084.1	1084.3
147.5°	1118.1	1118.0	1117.9	1117.9	1117.9	1118.1	1118.4	1118.7	1118.9	1119.2	1119.5
150°	1140.7	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1141.5	1141.9
152.5°	1162.2	1161.3	1160.4	1159.4	1159.2	1159.6	1160.1	1160.5	1160.8	1161.3	1161.7
155°	1190.3	1189.0	1187.8	1186.5	1186.1	1186.5	1186.9	1187.3	1187.8	1188.4	1189.0
157.5°	1212.8	1212.0	1211.3	1210.4	1210.1	1210.1	1210.1	1210.2	1210.2	1211.0	1211.6
160°	1227.5	1226.2	1224.9	1223.7	1223.1	1223.3	1223.6	1223.8	1224.0	1224.8	1225.7
162.5°	1239.7	1238.4	1237.2	1235.9	1235.3	1235.6	1235.8	1236.0	1236.1	1237.4	1238.6
165°	1256.1	1254.8	1253.6	1252.3	1251.7	1252.0	1252.2	1252.4	1252.5	1253.9	1255.1
167.5°	1268.3	1267.0	1265.6	1264.3	1263.8	1263.9	1264.1	1264.4	1264.6	1266.1	1267.6
170°	1275.0	1273.5	1272.0	1270.5	1269.9	1270.1	1270.3	1270.5	1270.7	1272.4	1274.1
172.5°	1279.5	1278.0	1276.6	1275.1	1274.5	1274.9	1275.3	1275.6	1276.0	1277.5	1279.1
175°	1284.7	1283.4	1282.1	1280.8	1280.3	1280.5	1280.7	1281.0	1281.2	1282.9	1284.6
177.5°	1287.2	1286.2	1285.2	1284.2	1283.7	1283.9	1284.1	1284.2	1284.4	1285.6	1286.8
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1244.3	1244.3	1250.9	1250.6	1254.9	1253.3	1254.1
5°	1337.6	1345.9	1353.2	1358.1	1365.5	1367.4	1366.4
7.5°	1434.3	1452.7	1461.8	1474.1	1476.4	1482.8	1482.1
10°	1494.2	1512.3	1526.0	1536.7	1542.2	1549.0	1549.4
12.5°	1541.2	1556.5	1568.7	1578.7	1585.2	1587.3	1588.7
15°	1577.9	1595.0	1609.2	1623.3	1631.7	1638.0	1641.5
17.5°	1614.9	1641.3	1666.3	1685.6	1697.2	1706.9	1706.9
20°	1643.4	1673.8	1705.2	1727.1	1749.6	1759.4	1761.0
22.5°	1674.0	1720.4	1760.8	1794.9	1824.5	1834.7	1838.4
25°	1737.4	1798.1	1860.3	1908.3	1942.5	1962.6	1965.5
27.5°	1814.0	1896.2	1961.6	2005.8	2034.3	2049.2	2052.4
30°	1868.1	1944.0	2002.7	2036.0	2049.2	2051.2	2043.8
32.5°	1892.3	1949.1	1972.6	1970.6	1944.7	1927.4	1920.8
35°	1862.7	1851.0	1793.7	1725.2	1672.8	1639.6	1630.7
37.5°	1695.2	1593.8	1488.5	1385.0	1329.8	1301.8	1253.7
40°	1529.9	1385.5	1275.9	1188.8	1126.6	1076.7	1065.0
42.5°	1343.5	1194.5	1084.9	1010.2	960.6	926.3	911.4
45°	1079.7	951.4	860.9	803.6	765.4	740.5	729.2
47.5°	863.6	764.3	698.3	655.9	626.9	605.1	599.1
50°	744.9	665.6	609.8	574.1	552.0	535.5	528.6
52.5°	647.0	583.0	540.1	510.7	489.8	479.5	473.7
55°	534.0	478.6	447.8	424.3	412.6	404.3	400.3
57.5°	436.7	396.7	374.2	358.0	347.1	341.8	339.9
60°	382.2	350.9	330.4	317.6	310.3	303.4	301.5
62.5°	334.0	309.4	293.5	282.4	275.0	272.1	271.0
65°	269.2	253.1	241.3	234.4	228.6	227.6	227.1
67.5°	214.0	204.4	198.3	191.1	189.1	185.7	185.0
70°	183.0	176.6	169.4	166.9	164.5	161.0	161.6
72.5°	155.2	148.9	143.9	140.6	139.8	138.3	139.6
75°	113.6	111.6	109.6	107.2	106.2	106.2	105.8
77.5°	81.1	79.4	77.2	75.8	75.5	73.4	74.2
80°	58.7	56.3	55.3	55.8	54.3	53.8	53.8
82.5°	43.5	42.6	41.6	41.7	41.4	40.9	41.3
85°	23.9	23.5	23.5	23.0	23.0	22.5	22.5
87.5°	12.3	12.9	12.3	12.1	12.2	12.6	13.2
90°	18.5	19.5	20.4	21.0	21.6	22.2	22.9
92.5°	18.5	19.5	20.2	20.5	20.7	21.0	21.4
95°	18.5	19.5	20.0	20.0	20.0	20.0	20.0
97.5°	28.9	23.0	20.0	20.0	20.0	20.0	20.0
100°	71.2	39.6	23.4	22.5	21.7	20.8	20.0
102.5°	193.7	187.8	177.6	163.2	148.7	134.3	119.9
105°	284.1	284.1	284.0	283.8	283.5	283.3	283.1
107.5°	359.7	359.8	359.5	358.8	358.2	357.5	356.9
110°	408.0	407.4	407.2	407.4	407.6	407.7	408.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	456.3	455.5	455.0	454.7	454.3	454.0	453.7
115°	529.3	528.5	527.4	526.2	524.9	523.7	522.4
117.5°	599.7	598.6	597.8	597.3	596.7	596.2	595.6
120°	646.0	645.5	644.8	643.8	642.7	641.7	640.6
122.5°	689.5	689.0	688.2	687.0	685.8	684.6	683.3
125°	752.4	751.6	750.8	750.3	749.6	748.9	748.3
127.5°	810.8	810.3	809.3	807.8	806.2	804.6	803.0
130°	848.4	847.7	846.9	845.8	844.8	843.8	842.7
132.5°	884.2	884.1	883.5	882.5	881.4	880.3	879.3
135°	935.8	935.4	934.5	933.2	932.0	930.7	929.4
137.5°	984.6	984.7	984.2	983.1	981.9	980.9	979.8
140°	1014.6	1015.0	1014.6	1013.3	1012.0	1010.8	1009.5
142.5°	1043.3	1043.4	1042.8	1041.5	1040.3	1039.0	1037.7
145°	1084.5	1084.7	1084.2	1082.9	1081.7	1080.3	1079.1
147.5°	1119.7	1119.9	1119.4	1117.8	1116.3	1114.7	1113.2
150°	1142.4	1142.7	1142.1	1140.4	1138.7	1137.0	1135.3
152.5°	1162.2	1162.5	1162.1	1160.5	1159.0	1157.4	1155.9
155°	1189.7	1190.3	1189.8	1188.1	1186.4	1184.7	1183.0
157.5°	1212.3	1213.0	1212.5	1210.8	1209.1	1207.4	1205.7
160°	1226.5	1227.4	1226.9	1225.3	1223.6	1221.9	1220.2
162.5°	1239.7	1241.0	1240.6	1238.7	1236.9	1235.0	1233.1
165°	1256.4	1257.6	1257.4	1255.7	1254.1	1252.4	1250.7
167.5°	1269.1	1270.7	1270.5	1268.6	1266.7	1264.8	1262.9
170°	1275.8	1277.5	1277.3	1275.4	1273.6	1271.7	1269.7
172.5°	1280.6	1282.1	1282.0	1280.1	1278.1	1276.2	1274.3
175°	1286.3	1288.0	1287.9	1285.9	1284.0	1282.1	1280.3
177.5°	1288.0	1289.2	1289.1	1287.7	1286.4	1285.1	1283.6
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9

(END OF REPORT)