

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: P333047-840

Luminaire Tested: **S124RDIW-S575D1340U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333047-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S575D1340U840-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7887.4 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

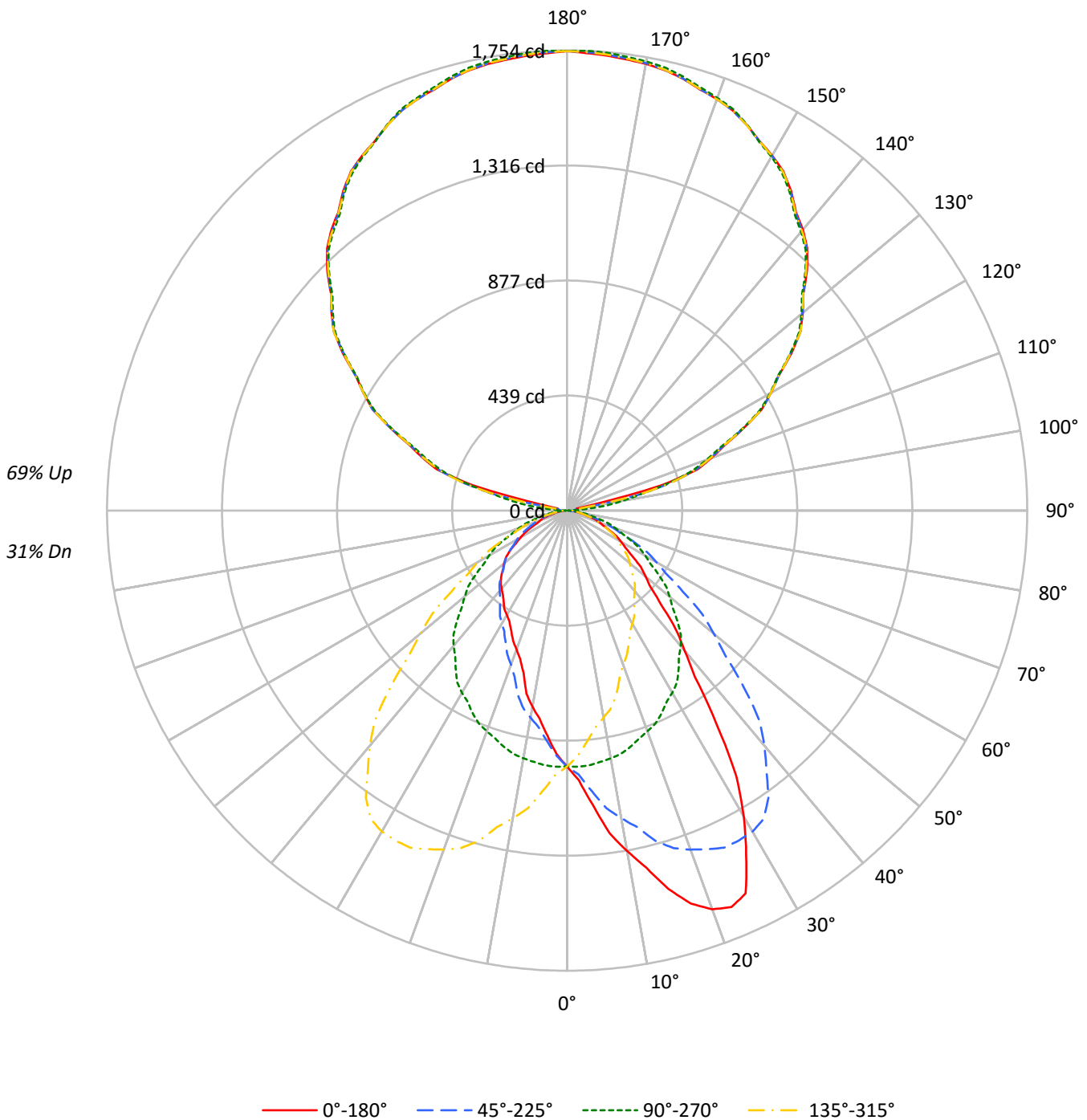
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	57	70	63	57	52	50	46	43	38	36	33	28	26	25	20
4	72	61	54	48	64	56	49	44	45	40	36	34	31	29	25	23	21	17
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	22	20	19	15
6	61	49	41	36	54	45	38	33	36	31	27	28	25	22	20	18	17	13
7	56	44	37	31	50	40	34	29	33	28	24	25	22	19	19	16	15	12
8	52	40	33	28	47	36	30	25	30	25	21	23	20	17	17	15	13	11
9	48	36	29	24	43	33	27	23	27	22	19	21	18	15	16	14	12	10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7873	7873	7873	7873
5°	9132	7896	6980	7896
10°	10803	7862	6229	7862
15°	12479	7789	5353	7789
20°	13894	7689	4840	7689
25°	14343	7591	4494	7591
30°	12557	7471	4285	7471
35°	9773	7295	4159	7295
40°	7330	7093	4091	7093
45°	5787	6769	4055	6769
50°	4886	6395	3939	6395
55°	4259	5985	3727	5985
60°	3831	5557	3299	5557
65°	3377	5096	2839	5096
70°	3043	4619	2561	4619
75°	2548	4095	2183	4095
80°	2157	3487	2046	3487
85°	1825	2732	1825	2732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.2
10°-20°	285.0	3.6
20°-30°	445.8	5.7
30°-40°	495.6	6.3
40°-50°	439.7	5.6
50°-60°	342.6	4.3
60°-70°	224.3	2.8
70°-80°	110.3	1.4
80°-90°	32.3	0.4
90°-100°	59.9	0.8
100°-110°	381.9	4.8
110°-120°	730.6	9.3
120°-130°	927.4	11.8
130°-140°	992.3	12.6
140°-150°	927.9	11.8
150°-160°	748.3	9.5
160°-170°	482.6	6.1
170°-180°	166.3	2.1
0°-30°	825.3	10.5
0°-40°	1320.9	16.7
0°-60°	2103.3	26.7
0°-90°	2470.2	31.3
90°-120°	1172.4	14.9
90°-150°	4020.0	51.0
90°-180°	5417.0	68.7
0°-180°	7887.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	975	975	975	975	975	
5°	1127	974	861	974	1127	114
15°	1493	932	640	932	1493	425
25°	1610	852	504	852	1610	714
35°	992	740	422	740	992	622
45°	507	593	355	593	507	401
55°	303	425	265	425	303	275
65°	177	267	149	267	177	178
75°	82	131	70	131	82	90
85°	20	30	20	30	20	23
90°	39	4	39	4	39	18
95°	38	72	38	72	38	30
105°	373	394	373	394	373	326
115°	741	736	741	736	741	734
125°	1043	1035	1043	1035	1043	929
135°	1293	1284	1293	1284	1293	995
145°	1488	1480	1488	1480	1488	930
155°	1622	1623	1622	1623	1622	748
165°	1704	1712	1704	1712	1704	481
175°	1741	1751	1741	1751	1741	166
180°	1751	1751	1751	1751	1751	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1028.6	1031.5	1028.6	1028.3	1025.2	1024.3	1023.0	1019.0	1011.4	1006.9	1007.9
5°	1126.9	1136.7	1131.3	1130.4	1121.8	1113.2	1107.6	1095.1	1081.7	1072.7	1065.2
7.5°	1240.5	1246.2	1242.7	1237.2	1223.2	1215.3	1202.5	1186.0	1162.1	1143.7	1127.0
10°	1317.9	1322.5	1321.0	1310.8	1300.6	1279.7	1268.0	1244.8	1214.5	1190.5	1168.1
12.5°	1393.9	1399.0	1385.1	1385.6	1366.2	1349.8	1331.1	1302.0	1267.0	1236.1	1208.1
15°	1493.1	1486.8	1486.8	1478.9	1457.3	1434.5	1415.3	1384.6	1340.6	1303.7	1264.9
17.5°	1570.7	1573.0	1569.7	1551.2	1534.2	1510.7	1475.3	1439.6	1398.7	1349.1	1309.4
20°	1617.3	1617.3	1613.8	1601.1	1579.1	1554.0	1515.9	1477.0	1425.1	1375.2	1330.4
22.5°	1636.1	1637.4	1633.3	1622.9	1603.1	1578.5	1546.1	1506.5	1453.1	1396.9	1341.4
25°	1610.2	1617.6	1618.4	1615.7	1609.8	1594.9	1567.0	1526.5	1478.5	1417.6	1358.0
27.5°	1478.3	1487.7	1496.0	1509.5	1527.6	1537.1	1538.3	1517.7	1475.9	1417.3	1357.3
30°	1347.0	1354.7	1380.3	1413.7	1439.7	1463.2	1483.7	1489.1	1465.6	1412.9	1349.7
32.5°	1201.0	1211.7	1237.3	1273.2	1316.5	1356.3	1402.3	1425.6	1425.0	1393.4	1334.9
35°	991.7	999.6	1023.2	1060.9	1112.8	1172.0	1244.8	1301.3	1339.9	1337.1	1301.3
37.5°	799.8	808.7	832.5	863.8	914.1	987.5	1057.9	1135.9	1207.1	1247.1	1235.1
40°	695.5	695.9	719.0	751.2	798.4	862.4	939.1	1025.5	1104.9	1169.7	1182.2
42.5°	613.1	613.2	628.5	663.3	697.2	757.5	830.6	916.5	1009.4	1084.2	1117.5
45°	506.9	510.4	523.0	543.8	570.5	621.6	680.1	759.9	864.0	952.8	1008.2
47.5°	429.2	434.4	442.4	459.4	480.7	514.7	563.1	634.8	719.5	817.2	896.1
50°	389.0	389.8	400.0	409.4	427.9	455.0	497.5	557.1	635.0	728.8	816.5
52.5°	354.5	354.3	360.4	372.3	387.4	408.5	442.7	497.2	566.1	650.3	740.7
55°	302.6	304.5	309.2	318.6	330.0	345.0	372.1	412.9	467.2	539.1	621.2
57.5°	263.1	264.1	267.8	271.9	282.3	293.2	313.5	341.8	387.6	446.5	523.0
60°	237.3	237.7	238.9	244.8	253.1	263.3	277.0	300.9	339.5	393.3	453.8
62.5°	212.2	212.9	214.7	219.0	225.4	232.5	246.8	266.1	298.0	344.0	398.5
65°	176.8	177.2	180.0	181.6	186.6	192.9	203.5	216.5	238.5	277.0	318.3
67.5°	147.7	147.7	147.8	150.1	153.6	157.7	164.1	174.5	191.1	214.7	251.1
70°	128.9	128.9	129.7	130.9	132.8	136.3	139.9	147.7	160.0	179.2	207.0
72.5°	111.3	111.6	112.4	112.6	113.6	116.5	119.2	124.1	133.2	147.7	170.3
75°	81.7	82.9	84.8	86.4	88.4	88.1	90.8	93.9	96.6	105.3	118.3
77.5°	60.8	60.2	60.4	61.8	62.0	62.4	64.3	66.8	68.9	72.9	77.6
80°	46.4	46.4	47.6	48.0	47.6	48.0	49.9	51.1	51.9	53.4	57.8
82.5°	35.0	35.6	35.2	35.6	36.0	36.4	38.0	38.2	39.0	39.6	41.4
85°	19.7	20.0	20.4	19.7	19.7	19.7	20.4	20.8	21.6	21.2	22.0
87.5°	14.7	14.3	14.5	14.4	14.6	14.0	14.0	14.3	13.3	13.3	12.8
90°	39.3	38.7	38.2	37.6	37.0	35.9	34.0	32.3	30.6	28.8	26.5
92.5°	36.2	36.1	36.0	35.9	35.6	34.7	33.0	31.3	29.5	27.8	25.4
95°	38.0	37.7	37.4	37.1	36.9	35.9	34.0	32.3	30.6	28.8	28.5
97.5°	36.7	36.4	36.1	35.9	35.5	35.2	35.1	34.9	34.7	34.5	67.1
100°	36.7	36.4	36.1	35.9	35.5	37.9	42.8	47.8	52.7	57.7	97.8
102.5°	37.8	37.7	37.6	37.6	37.5	64.1	117.5	171.0	224.3	277.7	283.0
105°	373.3	383.7	394.3	404.8	415.3	419.2	416.6	413.9	411.3	408.7	407.2
107.5°	520.3	519.2	518.1	516.9	515.8	514.6	513.4	512.1	510.8	509.6	507.6
110°	584.2	583.3	582.5	581.6	580.7	580.0	579.4	578.9	578.2	577.6	575.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	648.1	647.0	645.9	644.8	643.7	643.2	643.3	643.4	643.6	643.7	642.9
115°	741.3	741.3	741.3	741.3	741.3	741.0	740.5	739.9	739.3	738.7	739.0
117.5°	836.2	836.4	836.5	836.6	836.7	836.8	836.9	837.0	837.2	837.3	836.6
120°	896.0	896.6	897.1	897.7	898.3	898.3	897.7	897.1	896.6	896.0	896.3
122.5°	954.6	955.2	955.7	956.3	956.9	957.0	956.7	956.3	956.0	955.6	955.2
125°	1042.7	1042.4	1042.1	1041.8	1041.5	1040.9	1040.1	1039.2	1038.2	1037.4	1037.9
127.5°	1119.9	1120.1	1120.3	1120.6	1120.8	1121.1	1121.3	1121.5	1121.6	1121.8	1120.4
130°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.2	1171.8	1171.5	1171.3	1171.0	1170.1
132.5°	1220.5	1220.7	1221.0	1221.2	1221.4	1221.4	1221.1	1220.8	1220.5	1220.2	1219.1
135°	1292.8	1292.2	1291.6	1291.1	1290.5	1289.9	1289.3	1288.8	1288.2	1287.6	1286.5
137.5°	1354.6	1354.8	1355.0	1355.1	1355.3	1355.1	1354.4	1353.8	1353.2	1352.5	1351.3
140°	1397.7	1397.4	1397.0	1396.7	1396.4	1395.8	1395.0	1394.1	1393.2	1392.4	1391.8
142.5°	1433.2	1433.2	1433.1	1433.1	1433.0	1432.7	1432.0	1431.4	1430.8	1430.1	1429.8
145°	1488.0	1487.4	1486.8	1486.2	1485.7	1485.2	1484.9	1484.6	1484.4	1484.1	1484.1
147.5°	1533.3	1533.0	1532.8	1532.5	1532.2	1531.9	1531.7	1531.5	1531.2	1531.0	1531.3
150°	1562.7	1562.4	1562.1	1561.8	1561.5	1561.4	1561.4	1561.4	1561.4	1561.4	1561.7
152.5°	1587.8	1588.0	1588.1	1588.3	1588.5	1588.3	1587.9	1587.4	1587.0	1586.5	1587.0
155°	1621.6	1622.4	1623.4	1624.3	1625.1	1625.0	1623.8	1622.7	1621.4	1620.3	1621.1
157.5°	1649.9	1651.4	1652.9	1654.5	1656.0	1656.0	1654.5	1652.9	1651.4	1649.9	1650.9
160°	1668.8	1670.5	1672.2	1674.0	1675.8	1675.8	1674.0	1672.2	1670.5	1668.8	1669.0
162.5°	1683.4	1685.4	1687.4	1689.4	1691.3	1691.4	1689.7	1688.0	1686.2	1684.5	1684.8
165°	1704.1	1706.8	1709.4	1712.0	1714.5	1714.8	1712.4	1710.1	1707.8	1705.5	1705.5
167.5°	1719.6	1722.5	1725.4	1728.3	1731.2	1731.4	1728.8	1726.3	1723.7	1721.1	1721.3
170°	1729.0	1731.9	1734.8	1737.8	1740.6	1740.9	1738.6	1736.3	1733.9	1731.6	1731.3
172.5°	1734.2	1737.4	1740.5	1743.6	1746.9	1747.3	1744.9	1742.5	1740.2	1737.9	1737.6
175°	1740.8	1744.2	1747.8	1751.3	1754.7	1755.2	1752.6	1750.0	1747.4	1744.7	1744.4
177.5°	1744.9	1747.8	1750.6	1753.3	1756.2	1756.7	1754.7	1752.9	1751.0	1749.2	1748.7
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1004.8	1000.4	998.2	993.1	987.1	984.0	981.2	977.1	971.8	966.1	962.0
5°	1055.8	1046.3	1034.5	1020.4	1007.8	995.6	985.0	974.4	962.3	949.7	937.2
7.5°	1108.1	1089.5	1069.5	1046.3	1023.8	1003.3	984.4	966.3	945.9	927.6	910.9
10°	1144.6	1119.4	1091.6	1062.1	1032.6	1007.0	981.9	959.1	933.9	911.6	892.7
12.5°	1174.2	1144.6	1111.1	1074.3	1038.8	1007.9	979.1	949.4	920.8	896.5	871.3
15°	1223.1	1182.7	1137.5	1093.5	1047.5	1005.5	966.5	932.0	899.4	865.3	841.2
17.5°	1256.9	1208.8	1154.0	1101.1	1046.7	997.1	952.3	911.1	873.4	838.6	810.0
20°	1277.0	1224.0	1163.1	1102.9	1042.0	989.0	940.7	895.0	856.2	818.5	789.0
22.5°	1288.3	1229.6	1163.1	1100.0	1037.0	979.6	926.6	879.1	836.7	799.0	766.4
25°	1291.9	1229.0	1161.0	1088.7	1019.7	958.8	903.7	852.2	805.1	767.4	732.8
27.5°	1286.9	1212.8	1143.3	1069.0	997.7	933.5	875.8	821.6	774.5	734.0	698.5
30°	1279.3	1200.0	1125.3	1048.3	976.0	914.3	853.4	801.5	752.5	710.4	674.7
32.5°	1263.0	1184.3	1104.0	1025.0	951.8	888.3	830.5	778.3	730.1	687.1	649.1
35°	1230.6	1150.8	1063.6	982.7	910.8	844.8	790.5	740.2	694.3	648.3	608.2
37.5°	1187.9	1106.5	1019.7	931.1	859.1	796.8	747.0	699.8	654.9	613.0	568.6
40°	1147.7	1073.5	983.9	895.9	822.0	761.8	715.9	673.1	627.9	586.2	541.8
42.5°	1099.0	1035.7	945.2	856.9	784.0	726.0	683.2	641.4	600.3	559.9	513.5
45°	1017.6	969.8	884.8	800.0	726.5	669.1	629.9	592.9	556.7	518.3	474.6
47.5°	924.4	892.0	818.8	731.8	663.9	612.3	574.3	544.1	513.5	475.0	436.8
50°	859.7	838.9	768.2	688.8	624.0	576.4	537.6	509.2	483.7	446.8	412.5
52.5°	790.5	779.5	719.7	643.8	581.2	534.6	501.4	475.9	450.1	419.4	387.4
55°	685.3	691.2	640.5	574.8	515.9	476.7	446.4	425.2	403.1	377.2	352.4
57.5°	577.5	599.2	565.1	507.5	452.2	416.0	393.1	375.3	356.9	335.3	314.2
60°	513.1	531.2	512.0	461.3	412.9	379.2	358.0	344.2	325.7	306.1	289.9
62.5°	450.3	469.6	458.2	417.3	372.4	343.4	324.7	311.8	298.1	280.9	264.2
65°	371.3	383.8	378.4	350.1	318.3	293.5	276.2	266.8	254.2	241.7	226.7
67.5°	284.4	308.7	305.5	290.4	263.0	243.6	232.3	224.0	212.5	203.2	193.0
70°	233.8	256.2	255.8	243.6	228.6	210.6	202.8	195.7	185.4	176.4	168.1
72.5°	191.4	211.9	214.9	205.6	195.4	181.7	174.1	169.3	159.4	153.2	146.4
75°	134.0	149.0	152.9	152.9	148.1	141.1	134.4	131.3	124.1	118.7	114.7
77.5°	87.9	97.3	103.4	104.8	105.5	103.2	97.7	95.4	90.1	88.1	84.3
80°	62.1	68.4	75.4	77.8	79.8	79.0	76.6	75.0	70.0	68.0	66.4
82.5°	42.9	46.4	52.2	57.4	56.9	58.9	56.9	55.5	51.7	51.0	49.4
85°	22.4	22.8	23.5	27.1	29.1	29.9	30.3	29.5	28.3	28.3	25.5
87.5°	12.4	11.6	11.7	11.2	10.9	11.5	11.8	11.5	11.2	10.9	10.6
90°	24.1	21.8	19.5	16.8	13.5	10.3	7.2	3.9	7.2	10.3	13.5
92.5°	23.1	20.8	18.5	17.2	17.1	16.9	16.7	16.5	16.7	16.9	17.1
95°	28.3	28.0	27.7	32.4	42.3	52.2	62.1	72.0	62.1	52.2	42.3
97.5°	99.6	132.0	164.5	177.6	171.5	165.3	159.2	153.0	159.2	165.3	171.5
100°	137.9	178.1	218.3	235.8	230.6	225.3	220.0	214.8	220.0	225.3	230.6
102.5°	288.2	293.4	298.6	299.3	295.5	291.6	287.8	284.0	287.8	291.6	295.5
105°	405.8	404.3	402.8	401.2	399.5	397.8	396.0	394.3	396.0	397.8	399.5
107.5°	505.5	503.6	501.6	500.2	499.3	498.5	497.6	496.7	497.6	498.5	499.3
110°	574.1	572.4	570.7	569.4	568.5	567.6	566.7	565.8	566.7	567.6	568.5



TEST NUMBER: P333047-840

CATALOG NUMBER: S124RDIW-S575D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	642.1	641.3	640.4	639.2	637.6	636.1	634.5	632.9	634.5	636.1	637.6
115°	739.3	739.6	739.9	739.6	738.7	737.9	737.0	736.1	737.0	737.9	738.7
117.5°	836.0	835.4	834.7	833.7	832.6	831.4	830.3	829.1	830.3	831.4	832.6
120°	896.6	896.9	897.1	896.7	895.5	894.3	893.1	892.0	893.1	894.3	895.5
122.5°	954.8	954.4	954.0	953.5	952.8	952.1	951.4	950.7	951.4	952.1	952.8
125°	1038.5	1039.2	1039.8	1039.5	1038.2	1037.1	1035.9	1034.8	1035.9	1037.1	1038.2
127.5°	1119.0	1117.7	1116.4	1115.6	1115.3	1115.0	1114.7	1114.4	1114.7	1115.0	1115.3
130°	1169.2	1168.4	1167.5	1166.9	1166.6	1166.4	1166.1	1165.8	1166.1	1166.4	1166.6
132.5°	1218.0	1217.0	1215.9	1215.0	1214.5	1214.0	1213.5	1212.9	1213.5	1214.0	1214.5
135°	1285.3	1284.0	1282.9	1282.5	1282.8	1283.0	1283.3	1283.6	1283.3	1283.0	1282.8
137.5°	1350.0	1348.7	1347.5	1346.8	1346.7	1346.5	1346.4	1346.3	1346.4	1346.5	1346.7
140°	1391.2	1390.6	1390.1	1389.5	1388.9	1388.3	1387.8	1387.2	1387.8	1388.3	1388.9
142.5°	1429.4	1429.1	1428.7	1428.1	1426.9	1425.9	1424.8	1423.8	1424.8	1425.9	1426.9
145°	1484.1	1484.1	1484.1	1483.6	1482.8	1481.9	1481.0	1480.2	1481.0	1481.9	1482.8
147.5°	1531.6	1531.9	1532.2	1531.5	1529.8	1528.2	1526.5	1524.9	1526.5	1528.2	1529.8
150°	1562.0	1562.3	1562.5	1562.1	1560.9	1559.7	1558.6	1557.4	1558.6	1559.7	1560.9
152.5°	1587.5	1588.1	1588.6	1588.4	1587.4	1586.5	1585.6	1584.7	1585.6	1586.5	1587.4
155°	1622.0	1623.0	1623.8	1624.1	1623.8	1623.5	1623.2	1623.0	1623.2	1623.5	1623.8
157.5°	1651.8	1652.8	1653.9	1654.5	1654.6	1654.8	1655.0	1655.2	1655.0	1654.8	1654.6
160°	1669.3	1669.6	1669.9	1670.5	1671.3	1672.2	1673.1	1674.0	1673.1	1672.2	1671.3
162.5°	1685.1	1685.4	1685.7	1686.4	1687.5	1688.6	1689.6	1690.7	1689.6	1688.6	1687.5
165°	1705.5	1705.5	1705.5	1706.2	1707.6	1709.1	1710.5	1712.0	1710.5	1709.1	1707.6
167.5°	1721.5	1721.7	1721.8	1722.7	1724.2	1725.8	1727.3	1728.8	1727.3	1725.8	1724.2
170°	1731.0	1730.7	1730.5	1731.2	1732.9	1734.6	1736.5	1738.2	1736.5	1734.6	1732.9
172.5°	1737.4	1737.1	1736.8	1737.5	1739.2	1741.0	1742.7	1744.4	1742.7	1741.0	1739.2
175°	1744.1	1743.8	1743.5	1744.2	1746.1	1747.8	1749.5	1751.3	1749.5	1747.8	1746.1
177.5°	1748.3	1747.8	1747.3	1747.9	1749.5	1751.1	1752.8	1754.4	1752.8	1751.1	1749.5
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	957.7	954.5	950.4	945.6	940.0	935.0	932.8	934.6	935.6	933.1	932.8
5°	928.5	918.7	910.8	899.0	889.6	881.7	876.2	873.8	874.6	868.4	866.8
7.5°	895.6	884.0	871.2	857.2	844.1	832.6	826.6	823.2	816.6	813.7	808.9
10°	874.6	858.9	846.4	829.8	815.0	801.1	794.5	789.0	782.3	779.1	772.4
12.5°	852.9	834.8	820.9	803.8	788.5	771.9	765.6	755.4	744.9	738.3	729.7
15°	822.3	800.4	783.5	763.1	745.0	726.1	709.2	690.3	683.3	668.3	659.7
17.5°	786.6	764.3	743.4	716.0	688.1	664.7	646.6	628.6	617.7	608.2	603.8
20°	763.1	742.7	713.6	681.8	650.7	624.7	610.2	598.4	586.6	580.0	575.2
22.5°	740.7	714.7	680.9	646.5	615.5	595.2	582.9	570.8	561.2	554.8	548.6
25°	703.4	669.1	633.4	594.1	572.9	555.2	541.8	532.0	526.1	517.9	514.7
27.5°	664.9	623.5	584.0	557.6	535.5	519.4	507.8	500.4	492.9	487.6	483.5
30°	635.3	593.3	558.0	532.8	510.4	497.1	487.6	479.0	473.1	468.8	465.6
32.5°	606.1	564.1	534.3	507.4	489.7	476.7	466.6	460.1	455.4	449.9	448.0
35°	563.8	526.5	500.6	476.3	458.2	446.4	438.5	431.8	427.9	426.4	425.2
37.5°	523.2	492.6	464.7	444.7	428.7	419.4	410.1	406.9	404.1	401.3	402.6
40°	497.5	468.8	444.0	422.8	409.8	399.6	394.0	390.2	387.8	387.8	387.8
42.5°	475.1	447.1	422.9	403.9	390.9	382.3	376.2	372.8	372.1	371.7	373.7
45°	440.5	414.5	390.2	374.5	363.5	354.8	351.2	348.5	348.5	350.1	350.5
47.5°	406.2	381.8	362.2	344.7	334.6	329.2	326.1	324.7	324.9	326.4	328.2
50°	385.1	361.1	341.8	326.1	316.7	311.5	308.8	308.0	308.8	308.8	311.5
52.5°	362.1	340.6	321.7	308.5	297.8	293.1	291.5	290.4	290.9	292.2	293.4
55°	328.5	309.2	291.1	278.6	270.7	267.6	264.1	264.5	263.7	264.5	264.5
57.5°	294.8	277.5	260.6	250.6	243.8	239.2	235.4	236.4	235.3	235.1	234.5
60°	273.1	254.2	240.9	231.9	224.0	220.0	216.5	217.3	216.1	215.3	213.8
62.5°	249.5	233.8	221.1	212.4	206.0	201.5	197.9	197.1	194.4	191.8	188.2
65°	215.3	202.4	191.0	182.7	176.8	173.3	170.6	168.1	162.3	156.0	152.9
67.5°	182.1	172.7	162.1	155.1	150.4	145.7	140.5	136.4	130.9	127.4	125.5
70°	160.7	151.7	142.6	135.9	130.9	126.5	120.6	117.9	113.9	112.4	110.4
72.5°	140.3	131.9	123.4	117.4	112.0	108.6	104.0	101.2	99.5	98.9	96.8
75°	109.3	102.6	96.2	90.8	86.4	84.1	82.1	80.2	79.4	75.8	73.8
77.5°	79.7	75.2	71.4	67.5	64.3	62.8	59.0	56.8	55.4	53.7	53.3
80°	62.1	59.0	55.0	52.6	48.4	46.8	45.1	44.8	44.4	44.0	43.6
82.5°	46.7	43.5	39.6	38.2	37.1	36.1	35.1	34.7	34.3	34.5	34.5
85°	23.5	22.0	22.0	21.6	21.2	20.8	20.4	20.4	20.0	20.4	20.0
87.5°	11.2	11.4	11.9	11.7	12.5	13.0	13.0	13.3	14.0	13.7	14.0
90°	16.8	19.5	21.8	24.1	26.5	28.8	30.6	32.3	34.0	35.9	37.0
92.5°	17.2	18.5	20.8	23.1	25.4	27.8	29.5	31.3	33.0	34.7	35.6
95°	32.4	27.7	28.0	28.3	28.5	28.8	30.6	32.3	34.0	35.9	36.9
97.5°	177.6	164.5	132.0	99.6	67.1	34.5	34.7	34.9	35.1	35.2	35.5
100°	235.8	218.3	178.1	137.9	97.8	57.7	52.7	47.8	42.8	37.9	35.5
102.5°	299.3	298.6	293.4	288.2	283.0	277.7	224.3	171.0	117.5	64.1	37.5
105°	401.2	402.8	404.3	405.8	407.2	408.7	411.3	413.9	416.6	419.2	415.3
107.5°	500.2	501.6	503.6	505.5	507.6	509.6	510.8	512.1	513.4	514.6	515.8
110°	569.4	570.7	572.4	574.1	575.9	577.6	578.2	578.9	579.4	580.0	580.7



TEST NUMBER: P333047-840

CATALOG NUMBER: S124RDIW-S575D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	639.2	640.4	641.3	642.1	642.9	643.7	643.6	643.4	643.3	643.2	643.7
115°	739.6	739.9	739.6	739.3	739.0	738.7	739.3	739.9	740.5	741.0	741.3
117.5°	833.7	834.7	835.4	836.0	836.6	837.3	837.2	837.0	836.9	836.8	836.7
120°	896.7	897.1	896.9	896.6	896.3	896.0	896.6	897.1	897.7	898.3	898.3
122.5°	953.5	954.0	954.4	954.8	955.2	955.6	956.0	956.3	956.7	957.0	956.9
125°	1039.5	1039.8	1039.2	1038.5	1037.9	1037.4	1038.2	1039.2	1040.1	1040.9	1041.5
127.5°	1115.6	1116.4	1117.7	1119.0	1120.4	1121.8	1121.6	1121.5	1121.3	1121.1	1120.8
130°	1166.9	1167.5	1168.4	1169.2	1170.1	1171.0	1171.3	1171.5	1171.8	1172.2	1172.4
132.5°	1215.0	1215.9	1217.0	1218.0	1219.1	1220.2	1220.5	1220.8	1221.1	1221.4	1221.4
135°	1282.5	1282.9	1284.0	1285.3	1286.5	1287.6	1288.2	1288.8	1289.3	1289.9	1290.5
137.5°	1346.8	1347.5	1348.7	1350.0	1351.3	1352.5	1353.2	1353.8	1354.4	1355.1	1355.3
140°	1389.5	1390.1	1390.6	1391.2	1391.8	1392.4	1393.2	1394.1	1395.0	1395.8	1396.4
142.5°	1428.1	1428.7	1429.1	1429.4	1429.8	1430.1	1430.8	1431.4	1432.0	1432.7	1433.0
145°	1483.6	1484.1	1484.1	1484.1	1484.1	1484.1	1484.4	1484.6	1484.9	1485.2	1485.7
147.5°	1531.5	1532.2	1531.9	1531.6	1531.3	1531.0	1531.2	1531.5	1531.7	1531.9	1532.2
150°	1562.1	1562.5	1562.3	1562.0	1561.7	1561.4	1561.4	1561.4	1561.4	1561.4	1561.5
152.5°	1588.4	1588.6	1588.1	1587.5	1587.0	1586.5	1587.0	1587.4	1587.9	1588.3	1588.5
155°	1624.1	1623.8	1623.0	1622.0	1621.1	1620.3	1621.4	1622.7	1623.8	1625.0	1625.1
157.5°	1654.5	1653.9	1652.8	1651.8	1650.9	1649.9	1651.4	1652.9	1654.5	1656.0	1656.0
160°	1670.5	1669.9	1669.6	1669.3	1669.0	1668.8	1670.5	1672.2	1674.0	1675.8	1675.8
162.5°	1686.4	1685.7	1685.4	1685.1	1684.8	1684.5	1686.2	1688.0	1689.7	1691.4	1691.3
165°	1706.2	1705.5	1705.5	1705.5	1705.5	1705.5	1707.8	1710.1	1712.4	1714.8	1714.5
167.5°	1722.7	1721.8	1721.7	1721.5	1721.3	1721.1	1723.7	1726.3	1728.8	1731.4	1731.2
170°	1731.2	1730.5	1730.7	1731.0	1731.3	1731.6	1733.9	1736.3	1738.6	1740.9	1740.6
172.5°	1737.5	1736.8	1737.1	1737.4	1737.6	1737.9	1740.2	1742.5	1744.9	1747.3	1746.9
175°	1744.2	1743.5	1743.8	1744.1	1744.4	1744.7	1747.4	1750.0	1752.6	1755.2	1754.7
177.5°	1747.9	1747.3	1747.8	1748.3	1748.7	1749.2	1751.0	1752.9	1754.7	1756.7	1756.2
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3



TEST NUMBER: P333047-840

CATALOG NUMBER: S124RDIW-S575D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	930.9	931.5	929.4	928.7	929.4	931.5	930.9	932.8	933.1	935.6	934.6
5°	863.6	862.8	860.9	861.3	860.9	862.8	863.6	866.8	868.4	874.6	873.8
7.5°	806.1	803.0	804.0	800.7	804.0	803.0	806.1	808.9	813.7	816.6	823.2
10°	770.9	766.6	763.1	759.9	763.1	766.6	770.9	772.4	779.1	782.3	789.0
12.5°	722.9	719.1	714.3	715.3	714.3	719.1	722.9	729.7	738.3	744.9	755.4
15°	654.6	648.7	639.2	640.5	639.2	648.7	654.6	659.7	668.3	683.3	690.3
17.5°	596.8	596.9	592.6	593.6	592.6	596.9	596.8	603.8	608.2	617.7	628.6
20°	566.9	564.2	564.6	563.4	564.6	564.2	566.9	575.2	580.0	586.6	598.4
22.5°	546.2	542.9	540.1	537.7	540.1	542.9	546.2	548.6	554.8	561.2	570.8
25°	511.2	508.9	505.3	504.5	505.3	508.9	511.2	514.7	517.9	526.1	532.0
27.5°	480.4	479.9	478.5	476.7	478.5	479.9	480.4	483.5	487.6	492.9	500.4
30°	462.4	461.7	460.9	459.7	460.9	461.7	462.4	465.6	468.8	473.1	479.0
32.5°	446.5	446.0	445.1	445.2	445.1	446.0	446.5	448.0	449.9	455.4	460.1
35°	423.5	423.1	422.4	422.0	422.4	423.1	423.5	425.2	426.4	427.9	431.8
37.5°	402.2	403.2	402.7	402.6	402.7	403.2	402.2	402.6	401.3	404.1	406.9
40°	387.4	387.8	388.6	388.2	388.6	387.8	387.4	387.8	387.8	387.8	390.2
42.5°	375.2	375.3	376.4	375.0	376.4	375.3	375.2	373.7	371.7	372.1	372.8
45°	353.3	355.6	355.2	355.2	355.2	355.6	353.3	350.5	350.1	348.5	348.5
47.5°	329.2	331.3	331.8	331.7	331.8	331.3	329.2	328.2	326.4	324.9	324.7
50°	313.6	312.8	314.0	313.6	314.0	312.8	313.6	311.5	308.8	308.8	308.0
52.5°	294.4	294.6	294.5	294.1	294.5	294.6	294.4	293.4	292.2	290.9	290.4
55°	264.8	265.2	264.5	264.8	264.5	265.2	264.8	264.5	264.5	263.7	264.5
57.5°	232.8	230.9	231.7	230.8	231.7	230.9	232.8	234.5	235.1	235.3	236.4
60°	209.8	206.7	205.9	204.3	205.9	206.7	209.8	213.8	215.3	216.1	217.3
62.5°	184.0	181.9	179.2	180.5	179.2	181.9	184.0	188.2	191.8	194.4	197.1
65°	149.7	148.1	146.9	148.6	146.9	148.1	149.7	152.9	156.0	162.3	168.1
67.5°	123.9	123.1	123.1	122.3	123.1	123.1	123.9	125.5	127.4	130.9	136.4
70°	110.4	109.3	109.3	108.5	109.3	109.3	110.4	110.4	112.4	113.9	117.9
72.5°	96.5	95.4	95.7	95.2	95.7	95.4	96.5	96.8	98.9	99.5	101.2
75°	71.5	69.6	69.6	70.0	69.6	69.6	71.5	73.8	75.8	79.4	80.2
77.5°	53.3	52.9	53.5	52.8	53.5	52.9	53.3	53.3	53.7	55.4	56.8
80°	43.6	43.2	42.8	44.0	42.8	43.2	43.6	43.6	44.0	44.4	44.8
82.5°	33.8	33.8	33.7	35.2	33.7	33.8	33.8	34.5	34.5	34.3	34.7
85°	20.4	19.7	20.4	19.7	20.4	19.7	20.4	20.0	20.4	20.0	20.4
87.5°	14.7	14.5	14.3	14.7	14.3	14.5	14.7	14.0	13.7	14.0	13.3
90°	37.6	38.2	38.7	39.3	38.7	38.2	37.6	37.0	35.9	34.0	32.3
92.5°	35.9	36.0	36.1	36.2	36.1	36.0	35.9	35.6	34.7	33.0	31.3
95°	37.1	37.4	37.7	38.0	37.7	37.4	37.1	36.9	35.9	34.0	32.3
97.5°	35.9	36.1	36.4	36.7	36.4	36.1	35.9	35.5	35.2	35.1	34.9
100°	35.9	36.1	36.4	36.7	36.4	36.1	35.9	35.5	37.9	42.8	47.8
102.5°	37.6	37.6	37.7	37.8	37.7	37.6	37.6	37.5	64.1	117.5	171.0
105°	404.8	394.3	383.7	373.3	383.7	394.3	404.8	415.3	419.2	416.6	413.9
107.5°	516.9	518.1	519.2	520.3	519.2	518.1	516.9	515.8	514.6	513.4	512.1
110°	581.6	582.5	583.3	584.2	583.3	582.5	581.6	580.7	580.0	579.4	578.9



TEST NUMBER: P333047-840

CATALOG NUMBER: S124RDIW-S575D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	644.8	645.9	647.0	648.1	647.0	645.9	644.8	643.7	643.2	643.3	643.4
115°	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.0	740.5	739.9
117.5°	836.6	836.5	836.4	836.2	836.4	836.5	836.6	836.7	836.8	836.9	837.0
120°	897.7	897.1	896.6	896.0	896.6	897.1	897.7	898.3	898.3	897.7	897.1
122.5°	956.3	955.7	955.2	954.6	955.2	955.7	956.3	956.9	957.0	956.7	956.3
125°	1041.8	1042.1	1042.4	1042.7	1042.4	1042.1	1041.8	1041.5	1040.9	1040.1	1039.2
127.5°	1120.6	1120.3	1120.1	1119.9	1120.1	1120.3	1120.6	1120.8	1121.1	1121.3	1121.5
130°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.2	1171.8	1171.5
132.5°	1221.2	1221.0	1220.7	1220.5	1220.7	1221.0	1221.2	1221.4	1221.4	1221.1	1220.8
135°	1291.1	1291.6	1292.2	1292.8	1292.2	1291.6	1291.1	1290.5	1289.9	1289.3	1288.8
137.5°	1355.1	1355.0	1354.8	1354.6	1354.8	1355.0	1355.1	1355.3	1355.1	1354.4	1353.8
140°	1396.7	1397.0	1397.4	1397.7	1397.4	1397.0	1396.7	1396.4	1395.8	1395.0	1394.1
142.5°	1433.1	1433.1	1433.2	1433.2	1433.2	1433.1	1433.1	1433.0	1432.7	1432.0	1431.4
145°	1486.2	1486.8	1487.4	1488.0	1487.4	1486.8	1486.2	1485.7	1485.2	1484.9	1484.6
147.5°	1532.5	1532.8	1533.0	1533.3	1533.0	1532.8	1532.5	1532.2	1531.9	1531.7	1531.5
150°	1561.8	1562.1	1562.4	1562.7	1562.4	1562.1	1561.8	1561.5	1561.4	1561.4	1561.4
152.5°	1588.3	1588.1	1588.0	1587.8	1588.0	1588.1	1588.3	1588.5	1588.3	1587.9	1587.4
155°	1624.3	1623.4	1622.4	1621.6	1622.4	1623.4	1624.3	1625.1	1625.0	1623.8	1622.7
157.5°	1654.5	1652.9	1651.4	1649.9	1651.4	1652.9	1654.5	1656.0	1656.0	1654.5	1652.9
160°	1674.0	1672.2	1670.5	1668.8	1670.5	1672.2	1674.0	1675.8	1675.8	1674.0	1672.2
162.5°	1689.4	1687.4	1685.4	1683.4	1685.4	1687.4	1689.4	1691.3	1691.4	1689.7	1688.0
165°	1712.0	1709.4	1706.8	1704.1	1706.8	1709.4	1712.0	1714.5	1714.8	1712.4	1710.1
167.5°	1728.3	1725.4	1722.5	1719.6	1722.5	1725.4	1728.3	1731.2	1731.4	1728.8	1726.3
170°	1737.8	1734.8	1731.9	1729.0	1731.9	1734.8	1737.8	1740.6	1740.9	1738.6	1736.3
172.5°	1743.6	1740.5	1737.4	1734.2	1737.4	1740.5	1743.6	1746.9	1747.3	1744.9	1742.5
175°	1751.3	1747.8	1744.2	1740.8	1744.2	1747.8	1751.3	1754.7	1755.2	1752.6	1750.0
177.5°	1753.3	1750.6	1747.8	1744.9	1747.8	1750.6	1753.3	1756.2	1756.7	1754.7	1752.9
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3



TEST NUMBER: P333047-840

CATALOG NUMBER: S124RDIW-S575D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	932.8	935.0	940.0	945.6	950.4	954.5	957.7	962.0	966.1	971.8	977.1
5°	876.2	881.7	889.6	899.0	910.8	918.7	928.5	937.2	949.7	962.3	974.4
7.5°	826.6	832.6	844.1	857.2	871.2	884.0	895.6	910.9	927.6	945.9	966.3
10°	794.5	801.1	815.0	829.8	846.4	858.9	874.6	892.7	911.6	933.9	959.1
12.5°	765.6	771.9	788.5	803.8	820.9	834.8	852.9	871.3	896.5	920.8	949.4
15°	709.2	726.1	745.0	763.1	783.5	800.4	822.3	841.2	865.3	899.4	932.0
17.5°	646.6	664.7	688.1	716.0	743.4	764.3	786.6	810.0	838.6	873.4	911.1
20°	610.2	624.7	650.7	681.8	713.6	742.7	763.1	789.0	818.5	856.2	895.0
22.5°	582.9	595.2	615.5	646.5	680.9	714.7	740.7	766.4	799.0	836.7	879.1
25°	541.8	555.2	572.9	594.1	633.4	669.1	703.4	732.8	767.4	805.1	852.2
27.5°	507.8	519.4	535.5	557.6	584.0	623.5	664.9	698.5	734.0	774.5	821.6
30°	487.6	497.1	510.4	532.8	558.0	593.3	635.3	674.7	710.4	752.5	801.5
32.5°	466.6	476.7	489.7	507.4	534.3	564.1	606.1	649.1	687.1	730.1	778.3
35°	438.5	446.4	458.2	476.3	500.6	526.5	563.8	608.2	648.3	694.3	740.2
37.5°	410.1	419.4	428.7	444.7	464.7	492.6	523.2	568.6	613.0	654.9	699.8
40°	394.0	399.6	409.8	422.8	444.0	468.8	497.5	541.8	586.2	627.9	673.1
42.5°	376.2	382.3	390.9	403.9	422.9	447.1	475.1	513.5	559.9	600.3	641.4
45°	351.2	354.8	363.5	374.5	390.2	414.5	440.5	474.6	518.3	556.7	592.9
47.5°	326.1	329.2	334.6	344.7	362.2	381.8	406.2	436.8	475.0	513.5	544.1
50°	308.8	311.5	316.7	326.1	341.8	361.1	385.1	412.5	446.8	483.7	509.2
52.5°	291.5	293.1	297.8	308.5	321.7	340.6	362.1	387.4	419.4	450.1	475.9
55°	264.1	267.6	270.7	278.6	291.1	309.2	328.5	352.4	377.2	403.1	425.2
57.5°	235.4	239.2	243.8	250.6	260.6	277.5	294.8	314.2	335.3	356.9	375.3
60°	216.5	220.0	224.0	231.9	240.9	254.2	273.1	289.9	306.1	325.7	344.2
62.5°	197.9	201.5	206.0	212.4	221.1	233.8	249.5	264.2	280.9	298.1	311.8
65°	170.6	173.3	176.8	182.7	191.0	202.4	215.3	226.7	241.7	254.2	266.8
67.5°	140.5	145.7	150.4	155.1	162.1	172.7	182.1	193.0	203.2	212.5	224.0
70°	120.6	126.5	130.9	135.9	142.6	151.7	160.7	168.1	176.4	185.4	195.7
72.5°	104.0	108.6	112.0	117.4	123.4	131.9	140.3	146.4	153.2	159.4	169.3
75°	82.1	84.1	86.4	90.8	96.2	102.6	109.3	114.7	118.7	124.1	131.3
77.5°	59.0	62.8	64.3	67.5	71.4	75.2	79.7	84.3	88.1	90.1	95.4
80°	45.1	46.8	48.4	52.6	55.0	59.0	62.1	66.4	68.0	70.0	75.0
82.5°	35.1	36.1	37.1	38.2	39.6	43.5	46.7	49.4	51.0	51.7	55.5
85°	20.4	20.8	21.2	21.6	22.0	22.0	23.5	25.5	28.3	28.3	29.5
87.5°	13.0	13.0	12.5	11.7	11.9	11.4	11.2	10.6	10.9	11.2	11.5
90°	30.6	28.8	26.5	24.1	21.8	19.5	16.8	13.5	10.3	7.2	3.9
92.5°	29.5	27.8	25.4	23.1	20.8	18.5	17.2	17.1	16.9	16.7	16.5
95°	30.6	28.8	28.5	28.3	28.0	27.7	32.4	42.3	52.2	62.1	72.0
97.5°	34.7	34.5	67.1	99.6	132.0	164.5	177.6	171.5	165.3	159.2	153.0
100°	52.7	57.7	97.8	137.9	178.1	218.3	235.8	230.6	225.3	220.0	214.8
102.5°	224.3	277.7	283.0	288.2	293.4	298.6	299.3	295.5	291.6	287.8	284.0
105°	411.3	408.7	407.2	405.8	404.3	402.8	401.2	399.5	397.8	396.0	394.3
107.5°	510.8	509.6	507.6	505.5	503.6	501.6	500.2	499.3	498.5	497.6	496.7
110°	578.2	577.6	575.9	574.1	572.4	570.7	569.4	568.5	567.6	566.7	565.8



TEST NUMBER: P333047-840

CATALOG NUMBER: S124RDIW-S575D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	643.6	643.7	642.9	642.1	641.3	640.4	639.2	637.6	636.1	634.5	632.9
115°	739.3	738.7	739.0	739.3	739.6	739.9	739.6	738.7	737.9	737.0	736.1
117.5°	837.2	837.3	836.6	836.0	835.4	834.7	833.7	832.6	831.4	830.3	829.1
120°	896.6	896.0	896.3	896.6	896.9	897.1	896.7	895.5	894.3	893.1	892.0
122.5°	956.0	955.6	955.2	954.8	954.4	954.0	953.5	952.8	952.1	951.4	950.7
125°	1038.2	1037.4	1037.9	1038.5	1039.2	1039.8	1039.5	1038.2	1037.1	1035.9	1034.8
127.5°	1121.6	1121.8	1120.4	1119.0	1117.7	1116.4	1115.6	1115.3	1115.0	1114.7	1114.4
130°	1171.3	1171.0	1170.1	1169.2	1168.4	1167.5	1166.9	1166.6	1166.4	1166.1	1165.8
132.5°	1220.5	1220.2	1219.1	1218.0	1217.0	1215.9	1215.0	1214.5	1214.0	1213.5	1212.9
135°	1288.2	1287.6	1286.5	1285.3	1284.0	1282.9	1282.5	1282.8	1283.0	1283.3	1283.6
137.5°	1353.2	1352.5	1351.3	1350.0	1348.7	1347.5	1346.8	1346.7	1346.5	1346.4	1346.3
140°	1393.2	1392.4	1391.8	1391.2	1390.6	1390.1	1389.5	1388.9	1388.3	1387.8	1387.2
142.5°	1430.8	1430.1	1429.8	1429.4	1429.1	1428.7	1428.1	1426.9	1425.9	1424.8	1423.8
145°	1484.4	1484.1	1484.1	1484.1	1484.1	1484.1	1483.6	1482.8	1481.9	1481.0	1480.2
147.5°	1531.2	1531.0	1531.3	1531.6	1531.9	1532.2	1531.5	1529.8	1528.2	1526.5	1524.9
150°	1561.4	1561.4	1561.7	1562.0	1562.3	1562.5	1562.1	1560.9	1559.7	1558.6	1557.4
152.5°	1587.0	1586.5	1587.0	1587.5	1588.1	1588.6	1588.4	1587.4	1586.5	1585.6	1584.7
155°	1621.4	1620.3	1621.1	1622.0	1623.0	1623.8	1624.1	1623.8	1623.5	1623.2	1623.0
157.5°	1651.4	1649.9	1650.9	1651.8	1652.8	1653.9	1654.5	1654.6	1654.8	1655.0	1655.2
160°	1670.5	1668.8	1669.0	1669.3	1669.6	1669.9	1670.5	1671.3	1672.2	1673.1	1674.0
162.5°	1686.2	1684.5	1684.8	1685.1	1685.4	1685.7	1686.4	1687.5	1688.6	1689.6	1690.7
165°	1707.8	1705.5	1705.5	1705.5	1705.5	1705.5	1706.2	1707.6	1709.1	1710.5	1712.0
167.5°	1723.7	1721.1	1721.3	1721.5	1721.7	1721.8	1722.7	1724.2	1725.8	1727.3	1728.8
170°	1733.9	1731.6	1731.3	1731.0	1730.7	1730.5	1731.2	1732.9	1734.6	1736.5	1738.2
172.5°	1740.2	1737.9	1737.6	1737.4	1737.1	1736.8	1737.5	1739.2	1741.0	1742.7	1744.4
175°	1747.4	1744.7	1744.4	1744.1	1743.8	1743.5	1744.2	1746.1	1747.8	1749.5	1751.3
177.5°	1751.0	1749.2	1748.7	1748.3	1747.8	1747.3	1747.9	1749.5	1751.1	1752.8	1754.4
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3



TEST NUMBER: P333047-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	981.2	984.0	987.1	993.1	998.2	1000.4	1004.8	1007.9	1006.9	1011.4	1019.0
5°	985.0	995.6	1007.8	1020.4	1034.5	1046.3	1055.8	1065.2	1072.7	1081.7	1095.1
7.5°	984.4	1003.3	1023.8	1046.3	1069.5	1089.5	1108.1	1127.0	1143.7	1162.1	1186.0
10°	981.9	1007.0	1032.6	1062.1	1091.6	1119.4	1144.6	1168.1	1190.5	1214.5	1244.8
12.5°	979.1	1007.9	1038.8	1074.3	1111.1	1144.6	1174.2	1208.1	1236.1	1267.0	1302.0
15°	966.5	1005.5	1047.5	1093.5	1137.5	1182.7	1223.1	1264.9	1303.7	1340.6	1384.6
17.5°	952.3	997.1	1046.7	1101.1	1154.0	1208.8	1256.9	1309.4	1349.1	1398.7	1439.6
20°	940.7	989.0	1042.0	1102.9	1163.1	1224.0	1277.0	1330.4	1375.2	1425.1	1477.0
22.5°	926.6	979.6	1037.0	1100.0	1163.1	1229.6	1288.3	1341.4	1396.9	1453.1	1506.5
25°	903.7	958.8	1019.7	1088.7	1161.0	1229.0	1291.9	1358.0	1417.6	1478.5	1526.5
27.5°	875.8	933.5	997.7	1069.0	1143.3	1212.8	1286.9	1357.3	1417.3	1475.9	1517.7
30°	853.4	914.3	976.0	1048.3	1125.3	1200.0	1279.3	1349.7	1412.9	1465.6	1489.1
32.5°	830.5	888.3	951.8	1025.0	1104.0	1184.3	1263.0	1334.9	1393.4	1425.0	1425.6
35°	790.5	844.8	910.8	982.7	1063.6	1150.8	1230.6	1301.3	1337.1	1339.9	1301.3
37.5°	747.0	796.8	859.1	931.1	1019.7	1106.5	1187.9	1235.1	1247.1	1207.1	1135.9
40°	715.9	761.8	822.0	895.9	983.9	1073.5	1147.7	1182.2	1169.7	1104.9	1025.5
42.5°	683.2	726.0	784.0	856.9	945.2	1035.7	1099.0	1117.5	1084.2	1009.4	916.5
45°	629.9	669.1	726.5	800.0	884.8	969.8	1017.6	1008.2	952.8	864.0	759.9
47.5°	574.3	612.3	663.9	731.8	818.8	892.0	924.4	896.1	817.2	719.5	634.8
50°	537.6	576.4	624.0	688.8	768.2	838.9	859.7	816.5	728.8	635.0	557.1
52.5°	501.4	534.6	581.2	643.8	719.7	779.5	790.5	740.7	650.3	566.1	497.2
55°	446.4	476.7	515.9	574.8	640.5	691.2	685.3	621.2	539.1	467.2	412.9
57.5°	393.1	416.0	452.2	507.5	565.1	599.2	577.5	523.0	446.5	387.6	341.8
60°	358.0	379.2	412.9	461.3	512.0	531.2	513.1	453.8	393.3	339.5	300.9
62.5°	324.7	343.4	372.4	417.3	458.2	469.6	450.3	398.5	344.0	298.0	266.1
65°	276.2	293.5	318.3	350.1	378.4	383.8	371.3	318.3	277.0	238.5	216.5
67.5°	232.3	243.6	263.0	290.4	305.5	308.7	284.4	251.1	214.7	191.1	174.5
70°	202.8	210.6	228.6	243.6	255.8	256.2	233.8	207.0	179.2	160.0	147.7
72.5°	174.1	181.7	195.4	205.6	214.9	211.9	191.4	170.3	147.7	133.2	124.1
75°	134.4	141.1	148.1	152.9	152.9	149.0	134.0	118.3	105.3	96.6	93.9
77.5°	97.7	103.2	105.5	104.8	103.4	97.3	87.9	77.6	72.9	68.9	66.8
80°	76.6	79.0	79.8	77.8	75.4	68.4	62.1	57.8	53.4	51.9	51.1
82.5°	56.9	58.9	56.9	57.4	52.2	46.4	42.9	41.4	39.6	39.0	38.2
85°	30.3	29.9	29.1	27.1	23.5	22.8	22.4	22.0	21.2	21.6	20.8
87.5°	11.8	11.5	10.9	11.2	11.7	11.6	12.4	12.8	13.3	13.3	14.3
90°	7.2	10.3	13.5	16.8	19.5	21.8	24.1	26.5	28.8	30.6	32.3
92.5°	16.7	16.9	17.1	17.2	18.5	20.8	23.1	25.4	27.8	29.5	31.3
95°	62.1	52.2	42.3	32.4	27.7	28.0	28.3	28.5	28.8	30.6	32.3
97.5°	159.2	165.3	171.5	177.6	164.5	132.0	99.6	67.1	34.5	34.7	34.9
100°	220.0	225.3	230.6	235.8	218.3	178.1	137.9	97.8	57.7	52.7	47.8
102.5°	287.8	291.6	295.5	299.3	298.6	293.4	288.2	283.0	277.7	224.3	171.0
105°	396.0	397.8	399.5	401.2	402.8	404.3	405.8	407.2	408.7	411.3	413.9
107.5°	497.6	498.5	499.3	500.2	501.6	503.6	505.5	507.6	509.6	510.8	512.1
110°	566.7	567.6	568.5	569.4	570.7	572.4	574.1	575.9	577.6	578.2	578.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	634.5	636.1	637.6	639.2	640.4	641.3	642.1	642.9	643.7	643.6	643.4
115°	737.0	737.9	738.7	739.6	739.9	739.6	739.3	739.0	738.7	739.3	739.9
117.5°	830.3	831.4	832.6	833.7	834.7	835.4	836.0	836.6	837.3	837.2	837.0
120°	893.1	894.3	895.5	896.7	897.1	896.9	896.6	896.3	896.0	896.6	897.1
122.5°	951.4	952.1	952.8	953.5	954.0	954.4	954.8	955.2	955.6	956.0	956.3
125°	1035.9	1037.1	1038.2	1039.5	1039.8	1039.2	1038.5	1037.9	1037.4	1038.2	1039.2
127.5°	1114.7	1115.0	1115.3	1115.6	1116.4	1117.7	1119.0	1120.4	1121.8	1121.6	1121.5
130°	1166.1	1166.4	1166.6	1166.9	1167.5	1168.4	1169.2	1170.1	1171.0	1171.3	1171.5
132.5°	1213.5	1214.0	1214.5	1215.0	1215.9	1217.0	1218.0	1219.1	1220.2	1220.5	1220.8
135°	1283.3	1283.0	1282.8	1282.5	1282.9	1284.0	1285.3	1286.5	1287.6	1288.2	1288.8
137.5°	1346.4	1346.5	1346.7	1346.8	1347.5	1348.7	1350.0	1351.3	1352.5	1353.2	1353.8
140°	1387.8	1388.3	1388.9	1389.5	1390.1	1390.6	1391.2	1391.8	1392.4	1393.2	1394.1
142.5°	1424.8	1425.9	1426.9	1428.1	1428.7	1429.1	1429.4	1429.8	1430.1	1430.8	1431.4
145°	1481.0	1481.9	1482.8	1483.6	1484.1	1484.1	1484.1	1484.1	1484.1	1484.4	1484.6
147.5°	1526.5	1528.2	1529.8	1531.5	1532.2	1531.9	1531.6	1531.3	1531.0	1531.2	1531.5
150°	1558.6	1559.7	1560.9	1562.1	1562.5	1562.3	1562.0	1561.7	1561.4	1561.4	1561.4
152.5°	1585.6	1586.5	1587.4	1588.4	1588.6	1588.1	1587.5	1587.0	1586.5	1587.0	1587.4
155°	1623.2	1623.5	1623.8	1624.1	1623.8	1623.0	1622.0	1621.1	1620.3	1621.4	1622.7
157.5°	1655.0	1654.8	1654.6	1654.5	1653.9	1652.8	1651.8	1650.9	1649.9	1651.4	1652.9
160°	1673.1	1672.2	1671.3	1670.5	1669.9	1669.6	1669.3	1669.0	1668.8	1670.5	1672.2
162.5°	1689.6	1688.6	1687.5	1686.4	1685.7	1685.4	1685.1	1684.8	1684.5	1686.2	1688.0
165°	1710.5	1709.1	1707.6	1706.2	1705.5	1705.5	1705.5	1705.5	1705.5	1707.8	1710.1
167.5°	1727.3	1725.8	1724.2	1722.7	1721.8	1721.7	1721.5	1721.3	1721.1	1723.7	1726.3
170°	1736.5	1734.6	1732.9	1731.2	1730.5	1730.7	1731.0	1731.3	1731.6	1733.9	1736.3
172.5°	1742.7	1741.0	1739.2	1737.5	1736.8	1737.1	1737.4	1737.6	1737.9	1740.2	1742.5
175°	1749.5	1747.8	1746.1	1744.2	1743.5	1743.8	1744.1	1744.4	1744.7	1747.4	1750.0
177.5°	1752.8	1751.1	1749.5	1747.9	1747.3	1747.8	1748.3	1748.7	1749.2	1751.0	1752.9
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1023.0	1024.3	1025.2	1028.3	1028.6	1031.5	1028.6
5°	1107.6	1113.2	1121.8	1130.4	1131.3	1136.7	1126.9
7.5°	1202.5	1215.3	1223.2	1237.2	1242.7	1246.2	1240.5
10°	1268.0	1279.7	1300.6	1310.8	1321.0	1322.5	1317.9
12.5°	1331.1	1349.8	1366.2	1385.6	1385.1	1399.0	1393.9
15°	1415.3	1434.5	1457.3	1478.9	1486.8	1486.8	1493.1
17.5°	1475.3	1510.7	1534.2	1551.2	1569.7	1573.0	1570.7
20°	1515.9	1554.0	1579.1	1601.1	1613.8	1617.3	1617.3
22.5°	1546.1	1578.5	1603.1	1622.9	1633.3	1637.4	1636.1
25°	1567.0	1594.9	1609.8	1615.7	1618.4	1617.6	1610.2
27.5°	1538.3	1537.1	1527.6	1509.5	1496.0	1487.7	1478.3
30°	1483.7	1463.2	1439.7	1413.7	1380.3	1354.7	1347.0
32.5°	1402.3	1356.3	1316.5	1273.2	1237.3	1211.7	1201.0
35°	1244.8	1172.0	1112.8	1060.9	1023.2	999.6	991.7
37.5°	1057.9	987.5	914.1	863.8	832.5	808.7	799.8
40°	939.1	862.4	798.4	751.2	719.0	695.9	695.5
42.5°	830.6	757.5	697.2	663.3	628.5	613.2	613.1
45°	680.1	621.6	570.5	543.8	523.0	510.4	506.9
47.5°	563.1	514.7	480.7	459.4	442.4	434.4	429.2
50°	497.5	455.0	427.9	409.4	400.0	389.8	389.0
52.5°	442.7	408.5	387.4	372.3	360.4	354.3	354.5
55°	372.1	345.0	330.0	318.6	309.2	304.5	302.6
57.5°	313.5	293.2	282.3	271.9	267.8	264.1	263.1
60°	277.0	263.3	253.1	244.8	238.9	237.7	237.3
62.5°	246.8	232.5	225.4	219.0	214.7	212.9	212.2
65°	203.5	192.9	186.6	181.6	180.0	177.2	176.8
67.5°	164.1	157.7	153.6	150.1	147.8	147.7	147.7
70°	139.9	136.3	132.8	130.9	129.7	128.9	128.9
72.5°	119.2	116.5	113.6	112.6	112.4	111.6	111.3
75°	90.8	88.1	88.4	86.4	84.8	82.9	81.7
77.5°	64.3	62.4	62.0	61.8	60.4	60.2	60.8
80°	49.9	48.0	47.6	48.0	47.6	46.4	46.4
82.5°	38.0	36.4	36.0	35.6	35.2	35.6	35.0
85°	20.4	19.7	19.7	19.7	20.4	20.0	19.7
87.5°	14.0	14.0	14.6	14.4	14.5	14.3	14.7
90°	34.0	35.9	37.0	37.6	38.2	38.7	39.3
92.5°	33.0	34.7	35.6	35.9	36.0	36.1	36.2
95°	34.0	35.9	36.9	37.1	37.4	37.7	38.0
97.5°	35.1	35.2	35.5	35.9	36.1	36.4	36.7
100°	42.8	37.9	35.5	35.9	36.1	36.4	36.7
102.5°	117.5	64.1	37.5	37.6	37.6	37.7	37.8
105°	416.6	419.2	415.3	404.8	394.3	383.7	373.3
107.5°	513.4	514.6	515.8	516.9	518.1	519.2	520.3
110°	579.4	580.0	580.7	581.6	582.5	583.3	584.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	643.3	643.2	643.7	644.8	645.9	647.0	648.1
115°	740.5	741.0	741.3	741.3	741.3	741.3	741.3
117.5°	836.9	836.8	836.7	836.6	836.5	836.4	836.2
120°	897.7	898.3	898.3	897.7	897.1	896.6	896.0
122.5°	956.7	957.0	956.9	956.3	955.7	955.2	954.6
125°	1040.1	1040.9	1041.5	1041.8	1042.1	1042.4	1042.7
127.5°	1121.3	1121.1	1120.8	1120.6	1120.3	1120.1	1119.9
130°	1171.8	1172.2	1172.4	1172.4	1172.4	1172.4	1172.4
132.5°	1221.1	1221.4	1221.4	1221.2	1221.0	1220.7	1220.5
135°	1289.3	1289.9	1290.5	1291.1	1291.6	1292.2	1292.8
137.5°	1354.4	1355.1	1355.3	1355.1	1355.0	1354.8	1354.6
140°	1395.0	1395.8	1396.4	1396.7	1397.0	1397.4	1397.7
142.5°	1432.0	1432.7	1433.0	1433.1	1433.1	1433.2	1433.2
145°	1484.9	1485.2	1485.7	1486.2	1486.8	1487.4	1488.0
147.5°	1531.7	1531.9	1532.2	1532.5	1532.8	1533.0	1533.3
150°	1561.4	1561.4	1561.5	1561.8	1562.1	1562.4	1562.7
152.5°	1587.9	1588.3	1588.5	1588.3	1588.1	1588.0	1587.8
155°	1623.8	1625.0	1625.1	1624.3	1623.4	1622.4	1621.6
157.5°	1654.5	1656.0	1656.0	1654.5	1652.9	1651.4	1649.9
160°	1674.0	1675.8	1675.8	1674.0	1672.2	1670.5	1668.8
162.5°	1689.7	1691.4	1691.3	1689.4	1687.4	1685.4	1683.4
165°	1712.4	1714.8	1714.5	1712.0	1709.4	1706.8	1704.1
167.5°	1728.8	1731.4	1731.2	1728.3	1725.4	1722.5	1719.6
170°	1738.6	1740.9	1740.6	1737.8	1734.8	1731.9	1729.0
172.5°	1744.9	1747.3	1746.9	1743.6	1740.5	1737.4	1734.2
175°	1752.6	1755.2	1754.7	1751.3	1747.8	1744.2	1740.8
177.5°	1754.7	1756.7	1756.2	1753.3	1750.6	1747.8	1744.9
180°	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3	1751.3

(END OF REPORT)