

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: P333418-840

Luminaire Tested: **S125DIW-S850D1340U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333418-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S850D1340U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8906.3 lumens
Efficiency: N/A
Efficacy: 145.1 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: Semi-Indirect

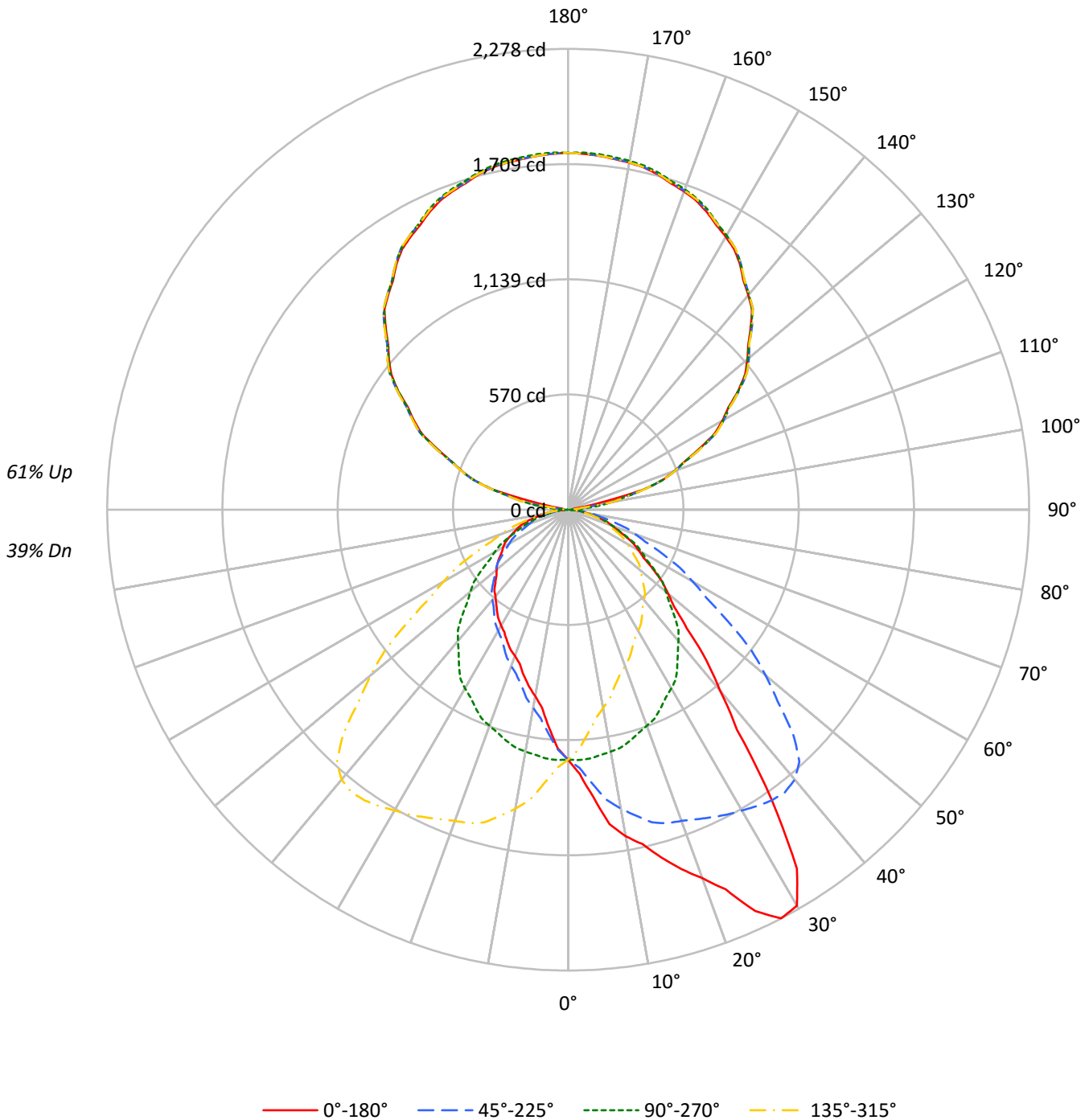
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	39	33
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	36	35	33	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	36	32	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	48	42	60	51	44	39	42	37	33	34	30	27	26	24	22	18
6	61	50	42	36	56	46	39	34	38	33	29	30	27	24	24	21	19	16
7	57	45	37	32	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	20	17	15	13
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	16	14	11
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.3
10°-20°	354.1	4.0
20°-30°	575.0	6.5
30°-40°	701.4	7.9
40°-50°	638.1	7.2
50°-60°	508.2	5.7
60°-70°	354.0	4.0
70°-80°	188.8	2.1
80°-90°	51.3	0.6
90°-100°	64.1	0.7
100°-110°	395.0	4.4
110°-120°	716.5	8.0
120°-130°	919.5	10.3
130°-140°	989.0	11.1
140°-150°	928.3	10.4
150°-160°	750.9	8.4
160°-170°	485.7	5.5
170°-180°	167.5	1.9
0°-30°	1048.1	11.8
0°-40°	1749.5	19.6
0°-60°	2895.8	32.5
0°-90°	3489.8	39.2
90°-120°	1175.6	13.2
90°-150°	4012.4	45.1
90°-180°	5416.0	60.8
0°-180°	8906.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	41
90°	31	1	31	1	31	15
95°	28	74	28	74	28	23
105°	388	384	388	384	388	351
115°	716	722	716	722	716	711
125°	1026	1026	1026	1026	1026	913
135°	1275	1280	1275	1280	1275	984
145°	1480	1484	1480	1484	1480	925
155°	1623	1634	1623	1634	1623	748
165°	1716	1725	1716	1725	1716	484
175°	1756	1764	1756	1764	1756	167
180°	1764	1764	1764	1764	1764	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	16.4	17.0	17.3	17.1	17.4	17.1	18.5	18.2	19.2	20.1	21.4
90°	31.4	30.5	29.6	28.8	27.9	26.8	25.2	23.8	22.4	20.9	18.9
92.5°	29.3	28.9	28.5	28.1	27.7	26.8	25.2	23.8	22.4	20.9	19.1
95°	27.5	27.5	27.5	27.5	27.5	26.8	25.2	23.8	22.4	20.9	31.9
97.5°	27.5	27.5	27.5	27.5	27.5	31.5	39.8	48.0	56.1	64.3	86.1
100°	27.5	28.6	29.8	30.9	32.1	54.3	97.7	140.9	184.2	227.5	226.3
102.5°	164.5	184.2	204.0	223.8	243.5	257.5	265.7	273.9	282.1	290.2	289.5
105°	388.3	388.6	388.9	389.2	389.5	389.6	389.6	389.6	389.6	389.6	389.6
107.5°	489.6	490.4	491.3	492.1	493.0	493.4	493.4	493.3	493.2	493.2	492.6
110°	559.7	559.4	559.1	558.8	558.5	558.8	559.7	560.5	561.4	562.2	561.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	622.4	622.8	623.2	623.6	624.0	624.8	625.9	626.9	628.0	629.1	628.8
115°	716.5	718.2	720.0	721.8	723.5	725.0	726.1	727.3	728.4	729.6	729.3
117.5°	817.0	817.7	818.5	819.2	819.9	821.1	822.6	824.2	825.7	827.2	826.1
120°	878.7	880.1	881.5	883.0	884.4	885.4	886.1	886.7	887.3	887.8	887.0
122.5°	937.3	938.9	940.6	942.3	943.9	945.1	945.6	946.2	946.8	947.5	947.1
125°	1026.4	1027.2	1028.1	1029.1	1029.9	1030.9	1032.1	1033.2	1034.4	1035.5	1035.5
127.5°	1101.5	1103.6	1105.8	1107.9	1110.0	1111.5	1112.1	1112.8	1113.4	1114.0	1114.2
130°	1155.9	1157.3	1158.7	1160.2	1161.6	1162.9	1163.7	1164.6	1165.5	1166.3	1166.0
132.5°	1206.1	1207.5	1209.0	1210.4	1211.8	1212.6	1212.8	1213.0	1213.3	1213.4	1214.1
135°	1274.9	1276.6	1278.3	1280.1	1281.8	1282.9	1283.5	1284.1	1284.8	1285.3	1285.9
137.5°	1343.8	1345.3	1346.9	1348.4	1349.9	1350.6	1350.5	1350.4	1350.3	1350.2	1350.7
140°	1384.6	1386.4	1388.2	1389.9	1391.6	1392.2	1391.6	1391.1	1390.5	1389.9	1390.2
142.5°	1423.4	1425.1	1426.8	1428.6	1430.4	1431.2	1431.1	1430.9	1430.8	1430.7	1430.3
145°	1480.2	1481.9	1483.6	1485.3	1487.1	1487.8	1487.5	1487.2	1486.9	1486.6	1486.6
147.5°	1526.9	1529.0	1531.1	1533.2	1535.3	1536.2	1535.8	1535.5	1535.1	1534.8	1534.4
150°	1557.2	1559.5	1561.9	1564.2	1566.5	1567.4	1566.8	1566.3	1565.7	1565.1	1564.5
152.5°	1585.5	1587.6	1589.7	1591.7	1593.9	1594.6	1594.1	1593.5	1592.9	1592.3	1591.7
155°	1622.7	1625.0	1627.3	1629.6	1631.9	1632.6	1631.7	1630.9	1630.0	1629.2	1628.6
157.5°	1653.8	1656.1	1658.4	1660.7	1663.0	1663.8	1662.8	1661.9	1660.9	1660.0	1660.0
160°	1673.6	1676.0	1678.3	1680.6	1682.9	1683.5	1682.3	1681.2	1680.0	1678.9	1678.6
162.5°	1691.4	1693.9	1696.5	1699.1	1701.6	1702.1	1700.5	1698.8	1697.2	1695.6	1695.3
165°	1715.5	1717.8	1720.1	1722.4	1724.7	1725.1	1723.3	1721.5	1719.8	1718.1	1717.8
167.5°	1732.2	1734.8	1737.5	1740.0	1742.6	1742.9	1740.8	1738.8	1736.7	1734.5	1734.2
170°	1741.6	1744.2	1746.9	1749.5	1752.1	1752.2	1749.9	1747.6	1745.2	1742.9	1742.6
172.5°	1747.9	1750.5	1753.1	1755.8	1758.4	1758.6	1756.6	1754.4	1752.3	1750.2	1749.7
175°	1756.0	1758.6	1761.2	1763.8	1766.5	1766.6	1764.2	1761.9	1759.6	1757.3	1757.1
177.5°	1760.7	1762.5	1764.4	1766.3	1768.2	1768.3	1766.7	1765.0	1763.4	1761.7	1761.5
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	21.8	20.6	18.5	16.8	14.2	12.5	11.6	11.6	10.8	10.8	11.7
90°	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3	3.6	6.0	8.3
92.5°	17.3	15.6	13.7	13.6	15.2	16.9	18.5	20.1	18.5	16.9	15.2
95°	43.0	54.0	65.0	71.0	71.9	72.8	73.6	74.5	73.6	72.8	71.9
97.5°	108.1	129.9	151.7	161.9	160.3	158.8	157.1	155.6	157.1	158.8	160.3
100°	225.2	224.0	222.9	221.9	221.0	220.0	219.2	218.3	219.2	220.0	221.0
102.5°	288.9	288.2	287.5	286.6	285.5	284.4	283.3	282.2	283.3	284.4	285.5
105°	389.6	389.6	389.6	389.1	387.9	386.8	385.6	384.5	385.6	386.8	387.9
107.5°	492.0	491.5	490.9	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
110°	561.1	560.5	559.9	559.7	559.7	559.7	559.7	559.7	559.7	559.7	559.7



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	628.4	628.1	627.8	627.2	626.5	625.9	625.2	624.5	625.2	625.9	626.5
115°	729.0	728.7	728.4	727.6	726.1	724.7	723.2	721.8	723.2	724.7	726.1
117.5°	825.0	823.8	822.7	822.2	822.2	822.3	822.3	822.4	822.3	822.3	822.2
120°	886.1	885.1	884.3	884.0	884.3	884.6	884.9	885.1	884.9	884.6	884.3
122.5°	946.6	946.2	945.8	945.0	943.9	942.8	941.7	940.6	941.7	942.8	943.9
125°	1035.5	1035.5	1035.5	1034.5	1032.5	1030.5	1028.4	1026.4	1028.4	1030.5	1032.5
127.5°	1114.4	1114.5	1114.7	1114.1	1112.6	1111.2	1109.7	1108.2	1109.7	1111.2	1112.6
130°	1165.7	1165.5	1165.2	1164.3	1162.9	1161.3	1159.9	1158.4	1159.9	1161.3	1162.9
132.5°	1214.7	1215.3	1216.0	1215.4	1213.8	1212.0	1210.3	1208.7	1210.3	1212.0	1213.8
135°	1286.5	1287.1	1287.6	1287.1	1285.3	1283.5	1281.8	1280.1	1281.8	1283.5	1285.3
137.5°	1351.2	1351.7	1352.2	1351.7	1350.2	1348.7	1347.2	1345.7	1347.2	1348.7	1350.2
140°	1390.5	1390.8	1391.1	1390.9	1390.3	1389.8	1389.2	1388.6	1389.2	1389.8	1390.3
142.5°	1429.9	1429.5	1429.1	1428.7	1428.4	1427.9	1427.6	1427.2	1427.6	1427.9	1428.4
145°	1486.6	1486.6	1486.6	1486.3	1485.8	1485.2	1484.6	1484.0	1484.6	1485.2	1485.8
147.5°	1534.1	1533.7	1533.4	1533.3	1533.4	1533.5	1533.6	1533.7	1533.6	1533.5	1533.4
150°	1564.0	1563.4	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1	1564.5	1564.0	1563.4
152.5°	1591.1	1590.5	1589.9	1590.3	1591.6	1592.9	1594.2	1595.4	1594.2	1592.9	1591.6
155°	1628.0	1627.4	1626.9	1627.4	1629.2	1630.9	1632.6	1634.4	1632.6	1630.9	1629.2
157.5°	1659.9	1659.8	1659.8	1660.3	1661.3	1662.3	1663.4	1664.5	1663.4	1662.3	1661.3
160°	1678.3	1678.0	1677.7	1678.4	1680.1	1681.9	1683.6	1685.4	1683.6	1681.9	1680.1
162.5°	1695.1	1694.8	1694.5	1695.2	1696.9	1698.6	1700.4	1702.1	1700.4	1698.6	1696.9
165°	1717.5	1717.2	1716.9	1717.7	1719.4	1721.1	1722.8	1724.6	1722.8	1721.1	1719.4
167.5°	1733.9	1733.6	1733.4	1734.1	1736.0	1737.8	1739.6	1741.3	1739.6	1737.8	1736.0
170°	1742.3	1742.0	1741.7	1742.6	1744.6	1746.7	1748.8	1750.8	1748.8	1746.7	1744.6
172.5°	1749.2	1748.7	1748.2	1748.9	1750.9	1753.0	1755.0	1757.1	1755.0	1753.0	1750.9
175°	1756.8	1756.5	1756.2	1756.9	1758.6	1760.4	1762.1	1763.8	1762.1	1760.4	1758.6
177.5°	1761.3	1761.1	1760.8	1761.4	1762.8	1764.2	1765.5	1767.0	1765.5	1764.2	1762.8
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	12.6	13.8	13.8	14.7	15.1	16.4	16.3	18.2	19.3	20.4	20.3
90°	10.6	12.8	14.8	16.9	18.9	20.9	22.4	23.8	25.2	26.8	27.9
92.5°	13.6	13.7	15.6	17.3	19.1	20.9	22.4	23.8	25.2	26.8	27.7
95°	71.0	65.0	54.0	43.0	31.9	20.9	22.4	23.8	25.2	26.8	27.5
97.5°	161.9	151.7	129.9	108.1	86.1	64.3	56.1	48.0	39.8	31.5	27.5
100°	221.9	222.9	224.0	225.2	226.3	227.5	184.2	140.9	97.7	54.3	32.1
102.5°	286.6	287.5	288.2	288.9	289.5	290.2	282.1	273.9	265.7	257.5	243.5
105°	389.1	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.5
107.5°	490.6	490.9	491.5	492.0	492.6	493.2	493.2	493.3	493.4	493.4	493.0
110°	559.7	559.9	560.5	561.1	561.7	562.2	561.4	560.5	559.7	558.8	558.5



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	627.2	627.8	628.1	628.4	628.8	629.1	628.0	626.9	625.9	624.8	624.0
115°	727.6	728.4	728.7	729.0	729.3	729.6	728.4	727.3	726.1	725.0	723.5
117.5°	822.2	822.7	823.8	825.0	826.1	827.2	825.7	824.2	822.6	821.1	819.9
120°	884.0	884.3	885.1	886.1	887.0	887.8	887.3	886.7	886.1	885.4	884.4
122.5°	945.0	945.8	946.2	946.6	947.1	947.5	946.8	946.2	945.6	945.1	943.9
125°	1034.5	1035.5	1035.5	1035.5	1035.5	1035.5	1034.4	1033.2	1032.1	1030.9	1029.9
127.5°	1114.1	1114.7	1114.5	1114.4	1114.2	1114.0	1113.4	1112.8	1112.1	1111.5	1110.0
130°	1164.3	1165.2	1165.5	1165.7	1166.0	1166.3	1165.5	1164.6	1163.7	1162.9	1161.6
132.5°	1215.4	1216.0	1215.3	1214.7	1214.1	1213.4	1213.3	1213.0	1212.8	1212.6	1211.8
135°	1287.1	1287.6	1287.1	1286.5	1285.9	1285.3	1284.8	1284.1	1283.5	1282.9	1281.8
137.5°	1351.7	1352.2	1351.7	1351.2	1350.7	1350.2	1350.3	1350.4	1350.5	1350.6	1349.9
140°	1390.9	1391.1	1390.8	1390.5	1390.2	1389.9	1390.5	1391.1	1391.6	1392.2	1391.6
142.5°	1428.7	1429.1	1429.5	1429.9	1430.3	1430.7	1430.8	1430.9	1431.1	1431.2	1430.4
145°	1486.3	1486.6	1486.6	1486.6	1486.6	1486.6	1486.9	1487.2	1487.5	1487.8	1487.1
147.5°	1533.3	1533.4	1533.7	1534.1	1534.4	1534.8	1535.1	1535.5	1535.8	1536.2	1535.3
150°	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1	1565.7	1566.3	1566.8	1567.4	1566.5
152.5°	1590.3	1589.9	1590.5	1591.1	1591.7	1592.3	1592.9	1593.5	1594.1	1594.6	1593.9
155°	1627.4	1626.9	1627.4	1628.0	1628.6	1629.2	1630.0	1630.9	1631.7	1632.6	1631.9
157.5°	1660.3	1659.8	1659.8	1659.9	1660.0	1660.0	1660.9	1661.9	1662.8	1663.8	1663.0
160°	1678.4	1677.7	1678.0	1678.3	1678.6	1678.9	1680.0	1681.2	1682.3	1683.5	1682.9
162.5°	1695.2	1694.5	1694.8	1695.1	1695.3	1695.6	1697.2	1698.8	1700.5	1702.1	1701.6
165°	1717.7	1716.9	1717.2	1717.5	1717.8	1718.1	1719.8	1721.5	1723.3	1725.1	1724.7
167.5°	1734.1	1733.4	1733.6	1733.9	1734.2	1734.5	1736.7	1738.8	1740.8	1742.9	1742.6
170°	1742.6	1741.7	1742.0	1742.3	1742.6	1742.9	1745.2	1747.6	1749.9	1752.2	1752.1
172.5°	1748.9	1748.2	1748.7	1749.2	1749.7	1750.2	1752.3	1754.4	1756.6	1758.6	1758.4
175°	1756.9	1756.2	1756.5	1756.8	1757.1	1757.3	1759.6	1761.9	1764.2	1766.6	1766.5
177.5°	1761.4	1760.8	1761.1	1761.3	1761.5	1761.7	1763.4	1765.0	1766.7	1768.3	1768.2
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	21.3	21.0	21.2	22.2	21.2	21.0	21.3	20.3	20.4	19.3	18.2
90°	28.8	29.6	30.5	31.4	30.5	29.6	28.8	27.9	26.8	25.2	23.8
92.5°	28.1	28.5	28.9	29.3	28.9	28.5	28.1	27.7	26.8	25.2	23.8
95°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	26.8	25.2	23.8
97.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	31.5	39.8	48.0
100°	30.9	29.8	28.6	27.5	28.6	29.8	30.9	32.1	54.3	97.7	140.9
102.5°	223.8	204.0	184.2	164.5	184.2	204.0	223.8	243.5	257.5	265.7	273.9
105°	389.2	388.9	388.6	388.3	388.6	388.9	389.2	389.5	389.6	389.6	389.6
107.5°	492.1	491.3	490.4	489.6	490.4	491.3	492.1	493.0	493.4	493.4	493.3
110°	558.8	559.1	559.4	559.7	559.4	559.1	558.8	558.5	558.8	559.7	560.5



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	623.6	623.2	622.8	622.4	622.8	623.2	623.6	624.0	624.8	625.9	626.9
115°	721.8	720.0	718.2	716.5	718.2	720.0	721.8	723.5	725.0	726.1	727.3
117.5°	819.2	818.5	817.7	817.0	817.7	818.5	819.2	819.9	821.1	822.6	824.2
120°	883.0	881.5	880.1	878.7	880.1	881.5	883.0	884.4	885.4	886.1	886.7
122.5°	942.3	940.6	938.9	937.3	938.9	940.6	942.3	943.9	945.1	945.6	946.2
125°	1029.1	1028.1	1027.2	1026.4	1027.2	1028.1	1029.1	1029.9	1030.9	1032.1	1033.2
127.5°	1107.9	1105.8	1103.6	1101.5	1103.6	1105.8	1107.9	1110.0	1111.5	1112.1	1112.8
130°	1160.2	1158.7	1157.3	1155.9	1157.3	1158.7	1160.2	1161.6	1162.9	1163.7	1164.6
132.5°	1210.4	1209.0	1207.5	1206.1	1207.5	1209.0	1210.4	1211.8	1212.6	1212.8	1213.0
135°	1280.1	1278.3	1276.6	1274.9	1276.6	1278.3	1280.1	1281.8	1282.9	1283.5	1284.1
137.5°	1348.4	1346.9	1345.3	1343.8	1345.3	1346.9	1348.4	1349.9	1350.6	1350.5	1350.4
140°	1389.9	1388.2	1386.4	1384.6	1386.4	1388.2	1389.9	1391.6	1392.2	1391.6	1391.1
142.5°	1428.6	1426.8	1425.1	1423.4	1425.1	1426.8	1428.6	1430.4	1431.2	1431.1	1430.9
145°	1485.3	1483.6	1481.9	1480.2	1481.9	1483.6	1485.3	1487.1	1487.8	1487.5	1487.2
147.5°	1533.2	1531.1	1529.0	1526.9	1529.0	1531.1	1533.2	1535.3	1536.2	1535.8	1535.5
150°	1564.2	1561.9	1559.5	1557.2	1559.5	1561.9	1564.2	1566.5	1567.4	1566.8	1566.3
152.5°	1591.7	1589.7	1587.6	1585.5	1587.6	1589.7	1591.7	1593.9	1594.6	1594.1	1593.5
155°	1629.6	1627.3	1625.0	1622.7	1625.0	1627.3	1629.6	1631.9	1632.6	1631.7	1630.9
157.5°	1660.7	1658.4	1656.1	1653.8	1656.1	1658.4	1660.7	1663.0	1663.8	1662.8	1661.9
160°	1680.6	1678.3	1676.0	1673.6	1676.0	1678.3	1680.6	1682.9	1683.5	1682.3	1681.2
162.5°	1699.1	1696.5	1693.9	1691.4	1693.9	1696.5	1699.1	1701.6	1702.1	1700.5	1698.8
165°	1722.4	1720.1	1717.8	1715.5	1717.8	1720.1	1722.4	1724.7	1725.1	1723.3	1721.5
167.5°	1740.0	1737.5	1734.8	1732.2	1734.8	1737.5	1740.0	1742.6	1742.9	1740.8	1738.8
170°	1749.5	1746.9	1744.2	1741.6	1744.2	1746.9	1749.5	1752.1	1752.2	1749.9	1747.6
172.5°	1755.8	1753.1	1750.5	1747.9	1750.5	1753.1	1755.8	1758.4	1758.6	1756.6	1754.4
175°	1763.8	1761.2	1758.6	1756.0	1758.6	1761.2	1763.8	1766.5	1766.6	1764.2	1761.9
177.5°	1766.3	1764.4	1762.5	1760.7	1762.5	1764.4	1766.3	1768.2	1768.3	1766.7	1765.0
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	16.3	16.4	15.1	14.7	13.8	13.8	12.6	11.7	10.8	10.8	11.6
90°	22.4	20.9	18.9	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3
92.5°	22.4	20.9	19.1	17.3	15.6	13.7	13.6	15.2	16.9	18.5	20.1
95°	22.4	20.9	31.9	43.0	54.0	65.0	71.0	71.9	72.8	73.6	74.5
97.5°	56.1	64.3	86.1	108.1	129.9	151.7	161.9	160.3	158.8	157.1	155.6
100°	184.2	227.5	226.3	225.2	224.0	222.9	221.9	221.0	220.0	219.2	218.3
102.5°	282.1	290.2	289.5	288.9	288.2	287.5	286.6	285.5	284.4	283.3	282.2
105°	389.6	389.6	389.6	389.6	389.6	389.6	389.1	387.9	386.8	385.6	384.5
107.5°	493.2	493.2	492.6	492.0	491.5	490.9	490.6	490.6	490.6	490.6	490.6
110°	561.4	562.2	561.7	561.1	560.5	559.9	559.7	559.7	559.7	559.7	559.7



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	628.0	629.1	628.8	628.4	628.1	627.8	627.2	626.5	625.9	625.2	624.5
115°	728.4	729.6	729.3	729.0	728.7	728.4	727.6	726.1	724.7	723.2	721.8
117.5°	825.7	827.2	826.1	825.0	823.8	822.7	822.2	822.2	822.3	822.3	822.4
120°	887.3	887.8	887.0	886.1	885.1	884.3	884.0	884.3	884.6	884.9	885.1
122.5°	946.8	947.5	947.1	946.6	946.2	945.8	945.0	943.9	942.8	941.7	940.6
125°	1034.4	1035.5	1035.5	1035.5	1035.5	1035.5	1034.5	1032.5	1030.5	1028.4	1026.4
127.5°	1113.4	1114.0	1114.2	1114.4	1114.5	1114.7	1114.1	1112.6	1111.2	1109.7	1108.2
130°	1165.5	1166.3	1166.0	1165.7	1165.5	1165.2	1164.3	1162.9	1161.3	1159.9	1158.4
132.5°	1213.3	1213.4	1214.1	1214.7	1215.3	1216.0	1215.4	1213.8	1212.0	1210.3	1208.7
135°	1284.8	1285.3	1285.9	1286.5	1287.1	1287.6	1287.1	1285.3	1283.5	1281.8	1280.1
137.5°	1350.3	1350.2	1350.7	1351.2	1351.7	1352.2	1351.7	1350.2	1348.7	1347.2	1345.7
140°	1390.5	1389.9	1390.2	1390.5	1390.8	1391.1	1390.9	1390.3	1389.8	1389.2	1388.6
142.5°	1430.8	1430.7	1430.3	1429.9	1429.5	1429.1	1428.7	1428.4	1427.9	1427.6	1427.2
145°	1486.9	1486.6	1486.6	1486.6	1486.6	1486.6	1486.3	1485.8	1485.2	1484.6	1484.0
147.5°	1535.1	1534.8	1534.4	1534.1	1533.7	1533.4	1533.3	1533.4	1533.5	1533.6	1533.7
150°	1565.7	1565.1	1564.5	1564.0	1563.4	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1
152.5°	1592.9	1592.3	1591.7	1591.1	1590.5	1589.9	1590.3	1591.6	1592.9	1594.2	1595.4
155°	1630.0	1629.2	1628.6	1628.0	1627.4	1626.9	1627.4	1629.2	1630.9	1632.6	1634.4
157.5°	1660.9	1660.0	1660.0	1659.9	1659.8	1659.8	1660.3	1661.3	1662.3	1663.4	1664.5
160°	1680.0	1678.9	1678.6	1678.3	1678.0	1677.7	1678.4	1680.1	1681.9	1683.6	1685.4
162.5°	1697.2	1695.6	1695.3	1695.1	1694.8	1694.5	1695.2	1696.9	1698.6	1700.4	1702.1
165°	1719.8	1718.1	1717.8	1717.5	1717.2	1716.9	1717.7	1719.4	1721.1	1722.8	1724.6
167.5°	1736.7	1734.5	1734.2	1733.9	1733.6	1733.4	1734.1	1736.0	1737.8	1739.6	1741.3
170°	1745.2	1742.9	1742.6	1742.3	1742.0	1741.7	1742.6	1744.6	1746.7	1748.8	1750.8
172.5°	1752.3	1750.2	1749.7	1749.2	1748.7	1748.2	1748.9	1750.9	1753.0	1755.0	1757.1
175°	1759.6	1757.3	1757.1	1756.8	1756.5	1756.2	1756.9	1758.6	1760.4	1762.1	1763.8
177.5°	1763.4	1761.7	1761.5	1761.3	1761.1	1760.8	1761.4	1762.8	1764.2	1765.5	1767.0
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



TEST NUMBER: P333418-840

CATALOG NUMBER: S125DIW-S850D1340U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.6	12.5	14.2	16.8	18.5	20.6	21.8	21.4	20.1	19.2	18.2
90°	3.6	6.0	8.3	10.6	12.8	14.8	16.9	18.9	20.9	22.4	23.8
92.5°	18.5	16.9	15.2	13.6	13.7	15.6	17.3	19.1	20.9	22.4	23.8
95°	73.6	72.8	71.9	71.0	65.0	54.0	43.0	31.9	20.9	22.4	23.8
97.5°	157.1	158.8	160.3	161.9	151.7	129.9	108.1	86.1	64.3	56.1	48.0
100°	219.2	220.0	221.0	221.9	222.9	224.0	225.2	226.3	227.5	184.2	140.9
102.5°	283.3	284.4	285.5	286.6	287.5	288.2	288.9	289.5	290.2	282.1	273.9
105°	385.6	386.8	387.9	389.1	389.6	389.6	389.6	389.6	389.6	389.6	389.6
107.5°	490.6	490.6	490.6	490.6	490.9	491.5	492.0	492.6	493.2	493.2	493.3
110°	559.7	559.7	559.7	559.7	559.9	560.5	561.1	561.7	562.2	561.4	560.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	625.2	625.9	626.5	627.2	627.8	628.1	628.4	628.8	629.1	628.0	626.9
115°	723.2	724.7	726.1	727.6	728.4	728.7	729.0	729.3	729.6	728.4	727.3
117.5°	822.3	822.3	822.2	822.2	822.7	823.8	825.0	826.1	827.2	825.7	824.2
120°	884.9	884.6	884.3	884.0	884.3	885.1	886.1	887.0	887.8	887.3	886.7
122.5°	941.7	942.8	943.9	945.0	945.8	946.2	946.6	947.1	947.5	946.8	946.2
125°	1028.4	1030.5	1032.5	1034.5	1035.5	1035.5	1035.5	1035.5	1035.5	1034.4	1033.2
127.5°	1109.7	1111.2	1112.6	1114.1	1114.7	1114.5	1114.4	1114.2	1114.0	1113.4	1112.8
130°	1159.9	1161.3	1162.9	1164.3	1165.2	1165.5	1165.7	1166.0	1166.3	1165.5	1164.6
132.5°	1210.3	1212.0	1213.8	1215.4	1216.0	1215.3	1214.7	1214.1	1213.4	1213.3	1213.0
135°	1281.8	1283.5	1285.3	1287.1	1287.6	1287.1	1286.5	1285.9	1285.3	1284.8	1284.1
137.5°	1347.2	1348.7	1350.2	1351.7	1352.2	1351.7	1351.2	1350.7	1350.2	1350.3	1350.4
140°	1389.2	1389.8	1390.3	1390.9	1391.1	1390.8	1390.5	1390.2	1389.9	1390.5	1391.1
142.5°	1427.6	1427.9	1428.4	1428.7	1429.1	1429.5	1429.9	1430.3	1430.7	1430.8	1430.9
145°	1484.6	1485.2	1485.8	1486.3	1486.6	1486.6	1486.6	1486.6	1486.6	1486.9	1487.2
147.5°	1533.6	1533.5	1533.4	1533.3	1533.4	1533.7	1534.1	1534.4	1534.8	1535.1	1535.5
150°	1564.5	1564.0	1563.4	1562.8	1562.8	1563.4	1564.0	1564.5	1565.1	1565.7	1566.3
152.5°	1594.2	1592.9	1591.6	1590.3	1589.9	1590.5	1591.1	1591.7	1592.3	1592.9	1593.5
155°	1632.6	1630.9	1629.2	1627.4	1626.9	1627.4	1628.0	1628.6	1629.2	1630.0	1630.9
157.5°	1663.4	1662.3	1661.3	1660.3	1659.8	1659.8	1659.9	1660.0	1660.0	1660.9	1661.9
160°	1683.6	1681.9	1680.1	1678.4	1677.7	1678.0	1678.3	1678.6	1678.9	1680.0	1681.2
162.5°	1700.4	1698.6	1696.9	1695.2	1694.5	1694.8	1695.1	1695.3	1695.6	1697.2	1698.8
165°	1722.8	1721.1	1719.4	1717.7	1716.9	1717.2	1717.5	1717.8	1718.1	1719.8	1721.5
167.5°	1739.6	1737.8	1736.0	1734.1	1733.4	1733.6	1733.9	1734.2	1734.5	1736.7	1738.8
170°	1748.8	1746.7	1744.6	1742.6	1741.7	1742.0	1742.3	1742.6	1742.9	1745.2	1747.6
172.5°	1755.0	1753.0	1750.9	1748.9	1748.2	1748.7	1749.2	1749.7	1750.2	1752.3	1754.4
175°	1762.1	1760.4	1758.6	1756.9	1756.2	1756.5	1756.8	1757.1	1757.3	1759.6	1761.9
177.5°	1765.5	1764.2	1762.8	1761.4	1760.8	1761.1	1761.3	1761.5	1761.7	1763.4	1765.0
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	18.5	17.1	17.4	17.1	17.3	17.0	16.4
90°	25.2	26.8	27.9	28.8	29.6	30.5	31.4
92.5°	25.2	26.8	27.7	28.1	28.5	28.9	29.3
95°	25.2	26.8	27.5	27.5	27.5	27.5	27.5
97.5°	39.8	31.5	27.5	27.5	27.5	27.5	27.5
100°	97.7	54.3	32.1	30.9	29.8	28.6	27.5
102.5°	265.7	257.5	243.5	223.8	204.0	184.2	164.5
105°	389.6	389.6	389.5	389.2	388.9	388.6	388.3
107.5°	493.4	493.4	493.0	492.1	491.3	490.4	489.6
110°	559.7	558.8	558.5	558.8	559.1	559.4	559.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	625.9	624.8	624.0	623.6	623.2	622.8	622.4
115°	726.1	725.0	723.5	721.8	720.0	718.2	716.5
117.5°	822.6	821.1	819.9	819.2	818.5	817.7	817.0
120°	886.1	885.4	884.4	883.0	881.5	880.1	878.7
122.5°	945.6	945.1	943.9	942.3	940.6	938.9	937.3
125°	1032.1	1030.9	1029.9	1029.1	1028.1	1027.2	1026.4
127.5°	1112.1	1111.5	1110.0	1107.9	1105.8	1103.6	1101.5
130°	1163.7	1162.9	1161.6	1160.2	1158.7	1157.3	1155.9
132.5°	1212.8	1212.6	1211.8	1210.4	1209.0	1207.5	1206.1
135°	1283.5	1282.9	1281.8	1280.1	1278.3	1276.6	1274.9
137.5°	1350.5	1350.6	1349.9	1348.4	1346.9	1345.3	1343.8
140°	1391.6	1392.2	1391.6	1389.9	1388.2	1386.4	1384.6
142.5°	1431.1	1431.2	1430.4	1428.6	1426.8	1425.1	1423.4
145°	1487.5	1487.8	1487.1	1485.3	1483.6	1481.9	1480.2
147.5°	1535.8	1536.2	1535.3	1533.2	1531.1	1529.0	1526.9
150°	1566.8	1567.4	1566.5	1564.2	1561.9	1559.5	1557.2
152.5°	1594.1	1594.6	1593.9	1591.7	1589.7	1587.6	1585.5
155°	1631.7	1632.6	1631.9	1629.6	1627.3	1625.0	1622.7
157.5°	1662.8	1663.8	1663.0	1660.7	1658.4	1656.1	1653.8
160°	1682.3	1683.5	1682.9	1680.6	1678.3	1676.0	1673.6
162.5°	1700.5	1702.1	1701.6	1699.1	1696.5	1693.9	1691.4
165°	1723.3	1725.1	1724.7	1722.4	1720.1	1717.8	1715.5
167.5°	1740.8	1742.9	1742.6	1740.0	1737.5	1734.8	1732.2
170°	1749.9	1752.2	1752.1	1749.5	1746.9	1744.2	1741.6
172.5°	1756.6	1758.6	1758.4	1755.8	1753.1	1750.5	1747.9
175°	1764.2	1766.6	1766.5	1763.8	1761.2	1758.6	1756.0
177.5°	1766.7	1768.3	1768.2	1766.3	1764.4	1762.5	1760.7
180°	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8	1763.8

(END OF REPORT)