

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: P333697

Luminaire Tested: **S125RDIW-S850D1560U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333697
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D1560U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8689.2 lumens
Efficiency: N/A
Efficacy: 127.6 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: Semi-Indirect

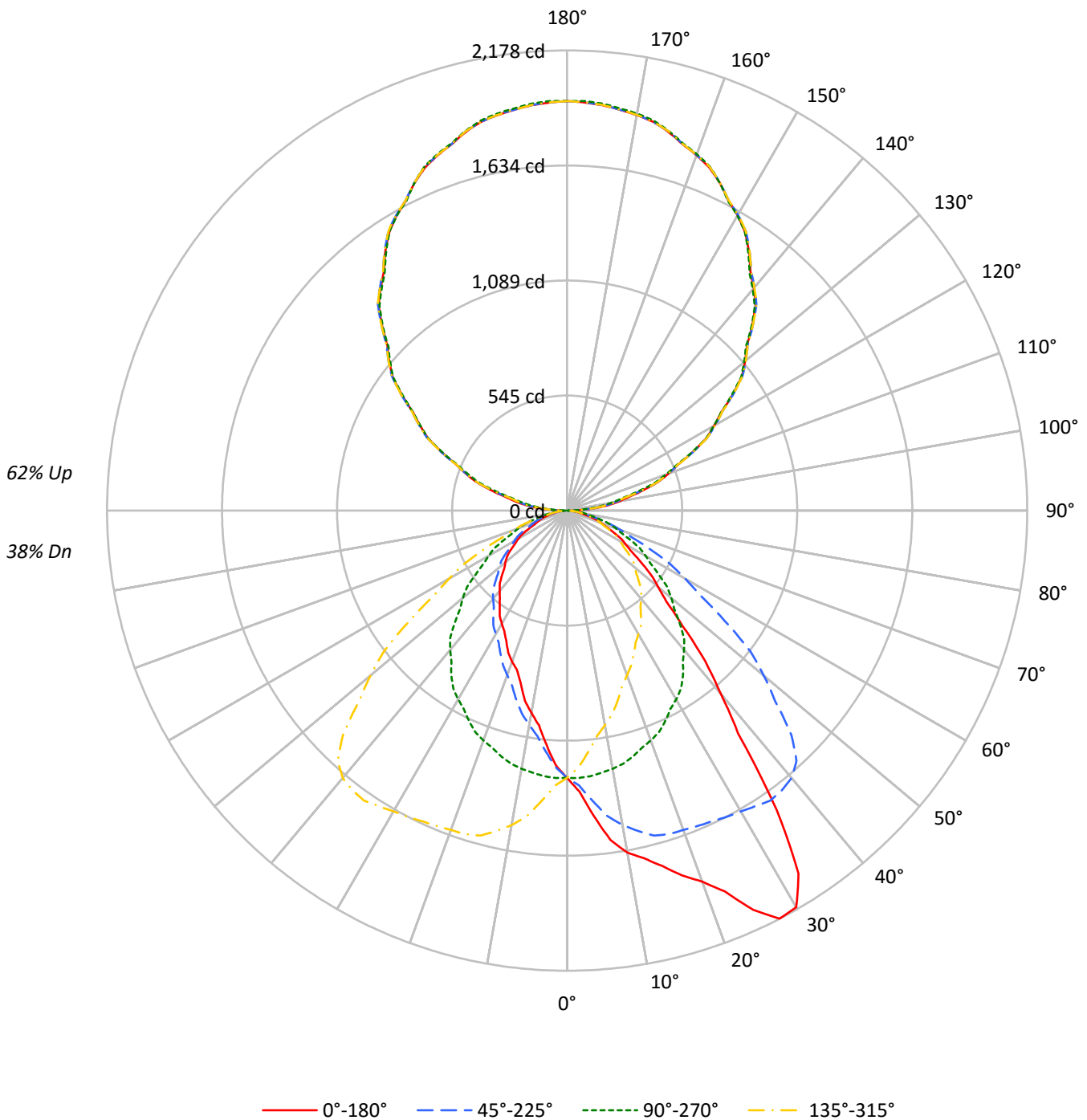
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				
1	95	91	88	84	86	83	80	77	67	65	63	53	52	51	40	39	39	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	36	34	33	28				
3	80	71	64	58	72	64	58	53	53	48	45	42	39	36	32	30	28	24				
4	73	62	55	49	66	57	51	45	47	42	38	37	34	31	29	26	25	21				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	21	18				
6	62	50	42	36	56	46	39	34	38	33	29	30	27	24	23	21	19	16				
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14				
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	23	29	24	20	23	20	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°	8169	8169	8169	8169
5°	9398	8180	7224	8180
10°	10781	8138	6374	8138
15°	11645	8055	5666	8055
20°	12841	7958	5232	7958
25°	14860	7829	4855	7829
30°	16171	7694	4608	7694
35°	13640	7536	4380	7536
40°	9526	7254	4185	7254
45°	7067	6872	3993	6872
50°	5635	6475	3829	6475
55°	4782	5981	3683	5981
60°	4132	5540	3447	5540
65°	3681	5063	2968	5063
70°	3237	4638	2706	4638
75°	2800	4017	2540	4017
80°	2124	3381	2124	3381
85°	1771	2653	2001	2653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	1.4
10°-20°	355.5	4.1
20°-30°	563.6	6.5
30°-40°	679.7	7.8
40°-50°	607.0	7.0
50°-60°	465.5	5.4
60°-70°	302.5	3.5
70°-80°	147.1	1.7
80°-90°	39.3	0.5
90°-100°	129.8	1.5
100°-110°	383.3	4.4
110°-120°	649.2	7.5
120°-130°	854.4	9.8
130°-140°	957.4	11.0
140°-150°	938.3	10.8
150°-160°	788.1	9.1
160°-170°	523.9	6.0
170°-180°	183.3	2.1
0°-30°	1040.4	12.0
0°-40°	1720.1	19.8
0°-60°	2792.5	32.1
0°-90°	3281.4	37.8
90°-120°	1162.3	13.4
90°-150°	3912.5	45.0
90°-180°	5408.0	62.2
0°-180°	8689.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1450	1262	1114	1262	1450	145
15°	1742	1205	847	1205	1742	499
25°	2085	1099	681	1099	2085	957
35°	1730	956	556	956	1730	1045
45°	774	752	437	752	774	617
55°	425	531	327	531	425	385
65°	241	331	194	331	241	240
75°	112	161	102	161	112	119
85°	24	36	27	36	24	28
90°	36	2	36	2	36	22
95°	130	98	130	98	130	132
105°	374	344	374	344	374	396
115°	656	650	656	650	656	649
125°	955	949	955	949	955	852
135°	1238	1234	1238	1234	1238	955
145°	1501	1495	1501	1495	1501	937
155°	1710	1710	1710	1710	1710	787
165°	1855	1860	1855	1860	1855	523
175°	1926	1934	1926	1934	1926	183
180°	1938	1938	1938	1938	1938	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1330.5	1329.7	1331.4	1326.8	1327.2	1320.1	1320.1	1314.7	1307.7	1302.3	1299.8
5°	1449.7	1450.8	1448.7	1440.9	1435.7	1427.9	1419.1	1403.5	1390.5	1378.1	1368.2
7.5°	1572.5	1573.2	1566.4	1564.0	1550.9	1541.3	1521.7	1500.5	1481.7	1457.8	1439.6
10°	1643.9	1643.4	1636.2	1630.4	1619.0	1604.5	1585.3	1560.3	1537.0	1511.0	1486.1
12.5°	1685.5	1684.1	1681.8	1674.9	1664.3	1651.4	1635.1	1610.6	1581.8	1553.4	1524.3
15°	1741.6	1737.9	1731.2	1722.3	1707.3	1692.2	1674.1	1652.3	1624.7	1592.5	1565.5
17.5°	1810.9	1811.0	1800.7	1788.4	1767.9	1741.4	1713.3	1678.1	1640.7	1605.3	1576.5
20°	1868.3	1866.7	1856.3	1832.4	1809.1	1775.8	1743.6	1700.5	1654.8	1608.6	1572.8
22.5°	1950.5	1946.5	1935.7	1904.3	1868.1	1825.3	1776.0	1723.4	1668.1	1615.7	1568.7
25°	2085.3	2082.2	2060.9	2024.6	1973.7	1907.7	1843.3	1771.2	1691.7	1622.7	1565.5
27.5°	2177.5	2174.1	2158.3	2128.1	2081.2	2011.8	1924.6	1828.2	1729.0	1634.0	1551.6
30°	2168.4	2176.2	2174.1	2160.1	2124.8	2062.5	1982.0	1873.5	1755.6	1643.9	1545.8
32.5°	2037.9	2044.9	2063.2	2090.7	2092.8	2067.9	2007.7	1907.5	1785.5	1658.5	1541.2
35°	1730.1	1739.5	1774.8	1830.4	1903.0	1963.8	1976.3	1922.3	1812.7	1676.1	1534.4
37.5°	1330.1	1381.2	1410.9	1469.4	1579.2	1691.0	1798.5	1838.0	1791.4	1668.9	1523.3
40°	1129.9	1142.3	1195.3	1261.3	1353.7	1470.0	1623.2	1733.8	1737.4	1652.3	1505.8
42.5°	967.0	982.8	1019.2	1071.8	1151.0	1267.3	1425.4	1571.4	1639.0	1606.6	1483.0
45°	773.7	785.6	812.1	852.6	913.4	1009.4	1145.5	1314.2	1448.2	1500.6	1421.7
47.5°	635.6	642.0	665.1	695.9	740.9	810.9	916.2	1062.7	1223.4	1336.0	1324.9
50°	560.8	568.1	585.7	609.1	647.0	706.2	790.3	912.3	1078.0	1215.6	1243.1
52.5°	502.6	508.7	519.7	541.8	573.0	618.5	686.4	796.8	945.9	1092.2	1155.8
55°	424.7	428.9	437.7	450.2	475.1	507.8	566.5	642.8	763.3	910.8	1004.2
57.5°	360.6	362.6	368.3	379.8	397.0	420.9	463.3	528.0	614.4	747.2	850.3
60°	319.9	321.9	329.2	337.0	350.5	372.3	405.5	450.7	533.8	643.3	747.7
62.5°	287.5	288.7	291.8	299.6	311.4	328.3	354.4	391.3	457.4	553.6	652.2
65°	240.9	241.5	242.5	248.7	256.0	268.5	285.6	311.5	361.4	434.1	521.3
67.5°	196.3	197.0	200.6	202.8	210.4	216.9	227.0	246.9	282.0	331.0	398.8
70°	171.4	170.8	174.5	177.1	179.7	187.4	194.2	210.3	232.1	269.5	326.1
72.5°	148.1	146.7	148.3	149.2	152.7	158.0	164.7	174.6	191.4	217.1	260.5
75°	112.2	112.7	112.7	113.7	116.3	118.4	120.5	125.7	135.0	152.1	175.5
77.5°	78.7	77.9	80.1	80.4	81.9	84.2	86.0	88.1	91.9	99.0	111.0
80°	57.1	57.1	57.6	59.2	58.7	59.7	62.3	64.4	69.1	73.2	77.4
82.5°	43.8	43.4	43.9	44.2	44.1	45.2	46.1	46.5	48.3	50.4	53.3
85°	23.9	23.9	24.4	24.4	24.9	24.9	25.4	25.4	25.4	26.0	26.5
87.5°	16.4	15.8	15.1	14.9	15.2	15.7	15.0	14.2	13.9	13.5	13.5
90°	36.2	35.2	34.2	33.2	32.2	30.8	29.2	27.5	25.8	24.1	21.8
92.5°	71.2	70.4	69.7	69.0	68.2	66.8	64.5	62.3	60.1	57.9	55.0
95°	129.7	129.0	128.4	127.7	127.0	125.5	123.2	120.8	118.5	116.1	112.8
97.5°	196.7	196.3	195.9	195.5	195.1	193.7	191.5	189.3	187.1	184.9	180.3
100°	247.3	246.7	246.0	245.3	244.7	242.8	239.8	236.8	233.8	230.7	226.4
102.5°	298.0	297.1	296.1	295.2	294.3	292.1	288.9	285.6	282.3	279.0	276.8
105°	374.0	373.0	372.0	371.0	370.0	368.5	366.5	364.5	362.5	360.5	358.4
107.5°	451.8	451.9	452.0	452.0	452.1	451.6	450.6	449.6	448.6	447.6	446.1
110°	509.8	510.1	510.4	510.8	511.1	510.8	509.8	508.8	507.7	506.7	505.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	566.5	567.1	567.7	568.3	568.9	568.9	568.5	568.0	567.5	567.1	565.8
115°	656.1	656.4	656.7	657.1	657.4	657.7	658.1	658.4	658.7	659.1	658.4
117.5°	743.5	744.9	746.2	747.5	748.9	749.4	749.2	748.9	748.6	748.4	747.7
120°	803.9	805.2	806.5	807.9	809.2	809.9	809.9	809.9	809.9	809.9	809.5
122.5°	864.2	865.2	866.3	867.4	868.5	869.1	869.4	869.7	869.9	870.2	869.3
125°	954.7	955.0	955.3	955.7	956.0	956.5	957.2	957.9	958.5	959.2	958.9
127.5°	1041.5	1042.2	1042.9	1043.5	1044.2	1044.7	1045.1	1045.4	1045.7	1046.1	1045.7
130°	1099.5	1100.1	1100.8	1101.5	1102.1	1102.6	1103.0	1103.3	1103.6	1104.0	1103.3
132.5°	1153.7	1154.7	1155.6	1156.6	1157.5	1158.1	1158.5	1158.8	1159.1	1159.5	1159.6
135°	1238.2	1239.5	1240.9	1242.2	1243.6	1244.2	1244.2	1244.2	1244.2	1244.2	1243.9
137.5°	1320.8	1322.5	1324.2	1325.9	1327.6	1328.2	1327.8	1327.4	1327.0	1326.6	1325.8
140°	1373.9	1375.6	1377.3	1379.0	1380.6	1381.1	1380.5	1379.8	1379.1	1378.5	1377.5
142.5°	1424.6	1426.3	1428.0	1429.6	1431.3	1432.0	1431.5	1431.1	1430.7	1430.3	1429.1
145°	1500.6	1501.6	1502.6	1503.6	1504.6	1505.1	1505.1	1505.1	1505.1	1505.1	1504.1
147.5°	1565.5	1567.8	1570.0	1572.3	1574.6	1575.3	1574.5	1573.7	1572.9	1572.1	1571.3
150°	1613.7	1614.4	1615.1	1615.7	1616.4	1616.8	1616.8	1616.8	1616.8	1616.8	1615.4
152.5°	1653.6	1654.8	1656.0	1657.2	1658.4	1658.6	1657.8	1657.0	1656.2	1655.4	1654.8
155°	1710.3	1711.9	1713.6	1715.3	1717.0	1717.1	1715.8	1714.4	1713.1	1711.8	1711.4
157.5°	1757.6	1759.8	1762.0	1764.2	1766.5	1766.9	1765.6	1764.2	1762.9	1761.5	1761.2
160°	1790.2	1791.9	1793.5	1795.2	1796.9	1797.1	1795.7	1794.4	1793.0	1791.7	1791.4
162.5°	1817.9	1819.9	1821.8	1823.8	1825.7	1825.9	1824.3	1822.7	1821.1	1819.4	1819.4
165°	1855.0	1857.1	1859.1	1861.1	1863.1	1863.4	1862.1	1860.7	1859.4	1858.1	1857.7
167.5°	1884.6	1886.7	1888.8	1890.8	1892.9	1892.9	1890.9	1888.9	1886.9	1884.9	1884.9
170°	1900.3	1902.6	1905.0	1907.3	1909.7	1909.8	1907.8	1905.8	1903.8	1901.8	1901.8
172.5°	1913.6	1915.6	1917.7	1919.8	1921.9	1921.9	1919.9	1917.9	1915.9	1913.9	1913.9
175°	1925.9	1928.3	1930.6	1933.0	1935.3	1935.5	1933.5	1931.5	1929.4	1927.4	1927.4
177.5°	1933.2	1935.0	1936.9	1938.8	1940.7	1940.8	1939.2	1937.6	1936.0	1934.4	1934.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1299.8	1296.9	1291.5	1286.5	1280.3	1274.9	1271.1	1266.6	1260.7	1253.7	1247.9
5°	1357.3	1345.9	1330.8	1317.9	1301.2	1288.3	1274.8	1261.8	1248.8	1232.2	1217.6
7.5°	1421.1	1397.5	1374.6	1345.7	1319.5	1296.1	1273.7	1251.0	1228.8	1205.2	1182.4
10°	1460.1	1431.6	1399.9	1363.5	1330.3	1298.6	1269.6	1241.0	1210.9	1184.4	1155.8
12.5°	1496.7	1459.8	1423.6	1377.7	1337.8	1299.1	1262.1	1226.5	1194.3	1159.9	1129.3
15°	1529.7	1493.4	1452.9	1396.8	1341.2	1294.5	1250.9	1204.7	1164.7	1126.3	1092.0
17.5°	1542.5	1504.4	1457.3	1403.4	1342.7	1283.9	1227.7	1177.0	1130.0	1085.2	1046.7
20°	1537.5	1500.6	1452.3	1400.9	1336.0	1274.8	1214.0	1157.9	1105.5	1058.2	1017.2
22.5°	1525.4	1487.3	1440.7	1386.4	1324.8	1259.8	1194.9	1135.1	1080.1	1031.2	986.5
25°	1507.4	1455.5	1407.7	1354.7	1296.0	1231.7	1164.7	1098.7	1040.1	990.2	941.4
27.5°	1488.6	1423.8	1363.0	1310.4	1248.4	1190.9	1126.4	1058.7	997.1	946.3	896.2
30°	1471.6	1398.9	1331.9	1272.2	1213.5	1159.0	1097.7	1031.7	968.4	916.0	865.1
32.5°	1450.4	1373.1	1299.5	1230.6	1174.0	1119.9	1064.5	1001.4	939.7	885.6	833.9
35°	1423.8	1325.1	1245.2	1171.9	1109.1	1056.7	1006.8	955.9	894.1	838.1	787.7
37.5°	1388.9	1276.9	1184.4	1104.7	1038.4	985.7	946.4	899.9	843.5	789.8	743.0
40°	1367.7	1242.0	1140.8	1061.9	992.3	936.7	899.9	860.4	809.0	758.6	711.9
42.5°	1339.5	1210.1	1096.8	1014.5	944.5	891.0	853.7	819.3	776.2	728.7	678.7
45°	1284.1	1148.1	1029.2	940.9	870.3	817.8	783.0	752.4	719.7	676.1	632.4
47.5°	1212.0	1083.4	958.9	862.6	793.4	744.7	711.0	686.8	663.4	626.3	583.9
50°	1154.3	1030.2	908.7	815.2	741.5	695.3	663.6	644.4	623.1	589.3	554.0
52.5°	1086.2	975.4	856.3	760.8	691.2	647.9	617.5	598.3	580.7	553.2	519.6
55°	978.8	881.7	772.6	685.9	622.1	578.4	549.4	531.2	520.8	497.4	471.0
57.5°	854.9	785.3	689.1	605.5	549.1	506.0	484.7	469.2	457.5	440.9	422.3
60°	768.5	719.7	633.5	554.0	502.1	461.1	441.9	428.9	418.0	404.0	389.4
62.5°	680.8	645.3	570.3	502.1	454.3	420.0	402.0	390.3	377.7	368.3	354.1
65°	563.4	531.7	479.8	426.3	382.2	354.6	341.7	331.3	323.5	313.1	303.2
67.5°	438.2	425.4	389.5	352.7	321.0	296.5	285.3	278.0	268.7	262.4	255.7
70°	361.4	355.2	329.7	305.3	275.7	259.1	248.7	245.6	234.2	228.0	223.3
72.5°	293.3	290.4	275.7	258.8	237.9	223.4	213.8	210.3	203.0	198.0	195.0
75°	200.9	202.0	199.4	188.5	180.7	171.4	163.0	161.0	155.8	151.6	149.0
77.5°	127.1	132.4	132.6	132.1	129.0	123.3	119.8	118.3	113.2	111.6	111.0
80°	87.2	92.9	98.1	97.6	96.6	95.0	92.4	90.9	88.3	86.7	85.7
82.5°	58.2	63.5	67.8	70.6	70.4	68.9	67.1	66.4	65.8	64.7	64.5
85°	27.5	28.6	30.1	33.8	36.3	36.9	36.3	35.8	34.3	34.8	35.3
87.5°	13.4	13.0	12.9	12.4	11.5	13.0	13.7	13.6	13.3	13.0	12.7
90°	19.4	17.1	14.7	12.2	9.6	6.9	4.2	1.5	4.2	6.9	9.6
92.5°	52.1	49.3	46.4	44.0	42.1	40.3	38.4	36.5	38.4	40.3	42.1
95°	109.4	106.1	102.7	100.7	100.0	99.4	98.7	98.0	98.7	99.4	100.0
97.5°	175.7	171.0	166.4	164.0	163.7	163.4	163.1	162.9	163.1	163.4	163.7
100°	222.0	217.7	213.3	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1
102.5°	274.6	272.4	270.2	268.4	267.0	265.7	264.4	263.0	264.4	265.7	267.0
105°	356.4	354.4	352.4	350.6	348.9	347.2	345.5	343.9	345.5	347.2	348.9
107.5°	444.5	443.0	441.5	439.8	438.2	436.5	434.8	433.1	434.8	436.5	438.2
110°	504.7	503.7	502.7	501.4	499.7	498.0	496.4	494.7	496.4	498.0	499.7



TEST NUMBER: P333697

CATALOG NUMBER: S125RDIW-S850D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	564.5	563.2	562.0	560.9	560.0	559.2	558.3	557.4	558.3	559.2	560.0
115°	657.7	657.1	656.4	655.4	654.0	652.7	651.4	650.0	651.4	652.7	654.0
117.5°	747.1	746.5	745.9	745.3	744.7	744.1	743.5	742.9	743.5	744.1	744.7
120°	809.2	808.9	808.5	807.5	805.9	804.2	802.5	800.8	802.5	804.2	805.9
122.5°	868.5	867.6	866.7	866.0	865.4	864.8	864.2	863.6	864.2	864.8	865.4
125°	958.5	958.2	957.9	956.7	954.7	952.7	950.6	948.6	950.6	952.7	954.7
127.5°	1045.3	1044.9	1044.5	1043.7	1042.5	1041.4	1040.3	1039.1	1040.3	1041.4	1042.5
130°	1102.6	1102.0	1101.3	1100.1	1098.4	1096.8	1095.1	1093.4	1095.1	1096.8	1098.4
132.5°	1159.7	1159.9	1160.0	1158.7	1156.0	1153.2	1150.5	1147.7	1150.5	1153.2	1156.0
135°	1243.6	1243.2	1242.9	1241.7	1239.7	1237.7	1235.7	1233.7	1235.7	1237.7	1239.7
137.5°	1325.1	1324.4	1323.6	1322.3	1320.3	1318.4	1316.5	1314.5	1316.5	1318.4	1320.3
140°	1376.5	1375.4	1374.4	1373.1	1371.4	1369.7	1368.1	1366.4	1368.1	1369.7	1371.4
142.5°	1427.8	1426.5	1425.2	1423.9	1422.5	1421.1	1419.7	1418.3	1419.7	1421.1	1422.5
145°	1503.1	1502.1	1501.1	1500.0	1498.6	1497.3	1495.9	1494.6	1495.9	1497.3	1498.6
147.5°	1570.5	1569.7	1568.9	1568.1	1567.4	1566.6	1565.9	1565.2	1565.9	1566.6	1567.4
150°	1614.1	1612.7	1611.4	1610.9	1611.2	1611.6	1611.9	1612.2	1611.9	1611.6	1611.2
152.5°	1654.3	1653.8	1653.2	1652.7	1652.2	1651.8	1651.3	1650.8	1651.3	1651.8	1652.2
155°	1711.1	1710.8	1710.4	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3
157.5°	1760.9	1760.5	1760.2	1760.4	1761.1	1761.9	1762.6	1763.3	1762.6	1761.9	1761.1
160°	1791.0	1790.7	1790.4	1790.7	1791.7	1792.7	1793.7	1794.7	1793.7	1792.7	1791.7
162.5°	1819.3	1819.2	1819.2	1819.5	1820.3	1821.0	1821.7	1822.5	1821.7	1821.0	1820.3
165°	1857.4	1857.1	1856.7	1856.9	1857.6	1858.2	1858.9	1859.6	1858.9	1858.2	1857.6
167.5°	1884.9	1884.9	1884.9	1885.6	1886.9	1888.3	1889.6	1890.9	1889.6	1888.3	1886.9
170°	1901.8	1901.8	1901.8	1902.5	1903.8	1905.1	1906.5	1907.8	1906.5	1905.1	1903.8
172.5°	1913.9	1913.9	1913.9	1914.5	1915.9	1917.2	1918.6	1919.9	1918.6	1917.2	1915.9
175°	1927.4	1927.4	1927.4	1928.1	1929.4	1930.8	1932.1	1933.5	1932.1	1930.8	1929.4
177.5°	1934.9	1935.2	1935.4	1936.1	1937.2	1938.3	1939.3	1940.4	1939.3	1938.3	1937.2
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333697

CATALOG NUMBER: S125RDIW-S850D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1243.7	1237.9	1233.7	1225.4	1219.6	1217.1	1212.6	1211.3	1215.9	1212.6	1212.1
5°	1206.7	1191.7	1179.7	1167.8	1154.8	1146.5	1134.0	1132.0	1128.8	1124.2	1123.1
7.5°	1162.4	1142.8	1127.4	1107.7	1090.5	1076.7	1061.1	1053.8	1049.7	1043.7	1035.6
10°	1132.5	1109.1	1088.3	1068.6	1047.3	1030.2	1014.6	1002.7	994.9	987.6	984.5
12.5°	1103.0	1079.2	1052.6	1028.7	1005.0	985.7	968.5	960.7	952.1	943.6	936.3
15°	1057.2	1025.5	996.4	968.9	948.7	927.9	911.3	899.9	886.9	883.2	869.2
17.5°	1008.6	977.5	943.5	914.5	891.0	868.2	849.9	836.9	827.2	813.8	807.3
20°	978.3	941.4	908.2	881.7	855.7	828.7	810.0	799.1	789.8	778.9	773.7
22.5°	945.9	909.8	875.8	844.7	818.3	791.8	778.5	767.1	756.5	746.5	739.6
25°	898.3	862.0	826.1	793.9	766.4	747.2	731.6	718.6	712.9	703.1	695.8
27.5°	851.3	812.6	775.4	743.4	721.8	702.8	690.0	679.7	669.4	660.8	654.5
30°	820.9	781.5	741.0	715.5	692.7	674.5	660.5	650.6	642.8	635.0	630.4
32.5°	790.6	749.9	714.0	686.4	664.8	649.2	634.7	625.3	617.1	608.5	603.0
35°	742.0	700.5	671.4	644.4	623.1	608.6	598.7	585.2	578.4	572.2	566.5
37.5°	696.8	658.2	626.7	603.1	584.6	570.1	557.4	550.1	541.8	536.2	531.4
40°	663.6	628.3	599.7	574.8	561.3	545.2	533.3	523.9	517.7	510.4	505.2
42.5°	633.7	600.9	573.1	550.7	533.9	520.3	508.8	499.4	491.5	486.3	482.0
45°	591.4	558.7	531.7	510.9	495.4	482.4	470.4	465.8	455.4	449.2	447.1
47.5°	547.7	518.4	492.4	473.2	457.3	445.0	433.8	424.2	418.5	412.4	409.1
50°	518.2	490.2	465.8	447.1	431.5	418.0	407.6	401.4	393.6	387.9	383.7
52.5°	488.7	462.8	438.4	420.5	407.0	393.5	381.9	375.6	368.3	364.6	361.7
55°	446.6	419.0	398.3	380.6	366.6	354.1	343.2	337.0	332.3	328.7	327.6
57.5°	398.8	377.0	357.7	341.8	327.2	315.5	305.9	300.0	295.9	295.3	292.2
60°	367.6	347.9	330.2	313.1	300.6	289.7	281.4	274.7	270.5	270.0	269.0
62.5°	336.5	317.6	301.2	286.1	274.9	264.4	256.5	248.9	246.4	243.8	241.6
65°	290.3	273.1	259.6	247.7	235.7	226.9	219.1	214.4	208.7	205.6	199.9
67.5°	244.9	231.6	218.6	208.5	199.2	190.8	184.3	177.4	173.5	171.0	166.9
70°	215.0	204.6	191.6	180.7	173.4	166.7	161.5	153.7	151.1	149.0	146.9
72.5°	186.7	177.6	166.7	157.9	150.6	144.2	138.2	134.6	132.0	129.9	128.7
75°	146.9	138.1	128.8	122.5	117.4	112.2	109.0	106.4	105.4	104.9	102.8
77.5°	107.9	103.2	95.7	90.8	87.3	85.3	82.5	81.1	81.0	78.7	78.0
80°	82.6	80.0	73.7	71.7	69.1	67.0	65.4	62.8	60.2	59.2	57.6
82.5°	61.4	58.8	56.3	53.0	50.8	49.5	48.0	47.0	47.4	45.9	45.2
85°	32.7	30.1	29.1	28.6	27.5	28.6	28.0	27.5	27.0	26.5	27.0
87.5°	12.8	13.3	13.4	14.7	13.9	14.8	15.1	15.1	15.4	15.7	15.6
90°	12.2	14.7	17.1	19.4	21.8	24.1	25.8	27.5	29.2	30.8	32.2
92.5°	44.0	46.4	49.3	52.1	55.0	57.9	60.1	62.3	64.5	66.8	68.2
95°	100.7	102.7	106.1	109.4	112.8	116.1	118.5	120.8	123.2	125.5	127.0
97.5°	164.0	166.4	171.0	175.7	180.3	184.9	187.1	189.3	191.5	193.7	195.1
100°	211.1	213.3	217.7	222.0	226.4	230.7	233.8	236.8	239.8	242.8	244.7
102.5°	268.4	270.2	272.4	274.6	276.8	279.0	282.3	285.6	288.9	292.1	294.3
105°	350.6	352.4	354.4	356.4	358.4	360.5	362.5	364.5	366.5	368.5	370.0
107.5°	439.8	441.5	443.0	444.5	446.1	447.6	448.6	449.6	450.6	451.6	452.1
110°	501.4	502.7	503.7	504.7	505.7	506.7	507.7	508.8	509.8	510.8	511.1



TEST NUMBER: P333697

CATALOG NUMBER: S125RDIW-S850D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	560.9	562.0	563.2	564.5	565.8	567.1	567.5	568.0	568.5	568.9	568.9
115°	655.4	656.4	657.1	657.7	658.4	659.1	658.7	658.4	658.1	657.7	657.4
117.5°	745.3	745.9	746.5	747.1	747.7	748.4	748.6	748.9	749.2	749.4	748.9
120°	807.5	808.5	808.9	809.2	809.5	809.9	809.9	809.9	809.9	809.9	809.2
122.5°	866.0	866.7	867.6	868.5	869.3	870.2	869.9	869.7	869.4	869.1	868.5
125°	956.7	957.9	958.2	958.5	958.9	959.2	958.5	957.9	957.2	956.5	956.0
127.5°	1043.7	1044.5	1044.9	1045.3	1045.7	1046.1	1045.7	1045.4	1045.1	1044.7	1044.2
130°	1100.1	1101.3	1102.0	1102.6	1103.3	1104.0	1103.6	1103.3	1103.0	1102.6	1102.1
132.5°	1158.7	1160.0	1159.9	1159.7	1159.6	1159.5	1159.1	1158.8	1158.5	1158.1	1157.5
135°	1241.7	1242.9	1243.2	1243.6	1243.9	1244.2	1244.2	1244.2	1244.2	1244.2	1243.6
137.5°	1322.3	1323.6	1324.4	1325.1	1325.8	1326.6	1327.0	1327.4	1327.8	1328.2	1327.6
140°	1373.1	1374.4	1375.4	1376.5	1377.5	1378.5	1379.1	1379.8	1380.5	1381.1	1380.6
142.5°	1423.9	1425.2	1426.5	1427.8	1429.1	1430.3	1430.7	1431.1	1431.5	1432.0	1431.3
145°	1500.0	1501.1	1502.1	1503.1	1504.1	1505.1	1505.1	1505.1	1505.1	1505.1	1504.6
147.5°	1568.1	1568.9	1569.7	1570.5	1571.3	1572.1	1572.9	1573.7	1574.5	1575.3	1574.6
150°	1610.9	1611.4	1612.7	1614.1	1615.4	1616.8	1616.8	1616.8	1616.8	1616.8	1616.4
152.5°	1652.7	1653.2	1653.8	1654.3	1654.8	1655.4	1656.2	1657.0	1657.8	1658.6	1658.4
155°	1710.3	1710.4	1710.8	1711.1	1711.4	1711.8	1713.1	1714.4	1715.8	1717.1	1717.0
157.5°	1760.4	1760.2	1760.5	1760.9	1761.2	1761.5	1762.9	1764.2	1765.6	1766.9	1766.5
160°	1790.7	1790.4	1790.7	1791.0	1791.4	1791.7	1793.0	1794.4	1795.7	1797.1	1796.9
162.5°	1819.5	1819.2	1819.2	1819.3	1819.4	1819.4	1821.1	1822.7	1824.3	1825.9	1825.7
165°	1856.9	1856.7	1857.1	1857.4	1857.7	1858.1	1859.4	1860.7	1862.1	1863.4	1863.1
167.5°	1885.6	1884.9	1884.9	1884.9	1884.9	1884.9	1886.9	1888.9	1890.9	1892.9	1892.9
170°	1902.5	1901.8	1901.8	1901.8	1901.8	1901.8	1903.8	1905.8	1907.8	1909.8	1909.7
172.5°	1914.5	1913.9	1913.9	1913.9	1913.9	1913.9	1915.9	1917.9	1919.9	1921.9	1921.9
175°	1928.1	1927.4	1927.4	1927.4	1927.4	1927.4	1929.4	1931.5	1933.5	1935.5	1935.3
177.5°	1936.1	1935.4	1935.2	1934.9	1934.6	1934.4	1936.0	1937.6	1939.2	1940.8	1940.7
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333697

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1211.7	1207.2	1205.9	1207.6	1205.9	1207.2	1211.7	1212.1	1212.6	1215.9	1211.3
5°	1117.9	1112.8	1115.3	1114.3	1115.3	1112.8	1117.9	1123.1	1124.2	1128.8	1132.0
7.5°	1035.5	1029.0	1022.2	1024.4	1022.2	1029.0	1035.5	1035.6	1043.7	1049.7	1053.8
10°	977.7	972.6	969.4	972.0	969.4	972.6	977.7	984.5	987.6	994.9	1002.7
12.5°	929.1	926.0	923.3	922.2	923.3	926.0	929.1	936.3	943.6	952.1	960.7
15°	863.0	856.8	854.2	847.4	854.2	856.8	863.0	869.2	883.2	886.9	899.9
17.5°	802.0	800.0	793.2	790.3	793.2	800.0	802.0	807.3	813.8	827.2	836.9
20°	765.9	763.8	757.1	761.2	757.1	763.8	765.9	773.7	778.9	789.8	799.1
22.5°	736.0	731.4	729.2	728.0	729.2	731.4	736.0	739.6	746.5	756.5	767.1
25°	693.7	687.0	684.4	681.3	684.4	687.0	693.7	695.8	703.1	712.9	718.6
27.5°	651.6	647.9	644.5	643.7	644.5	647.9	651.6	654.5	660.8	669.4	679.7
30°	624.1	620.5	617.9	617.9	617.9	620.5	624.1	630.4	635.0	642.8	650.6
32.5°	599.6	596.8	594.2	593.8	594.2	596.8	599.6	603.0	608.5	617.1	625.3
35°	563.9	559.8	558.7	555.6	558.7	559.8	563.9	566.5	572.2	578.4	585.2
37.5°	526.8	523.4	523.3	523.0	523.3	523.4	526.8	531.4	536.2	541.8	550.1
40°	503.2	500.6	500.0	496.4	500.0	500.6	503.2	505.2	510.4	517.7	523.9
42.5°	477.8	476.5	474.7	473.1	474.7	476.5	477.8	482.0	486.3	491.5	499.4
45°	443.4	439.8	439.8	437.2	439.8	439.8	443.4	447.1	449.2	455.4	465.8
47.5°	407.9	405.1	405.4	402.7	405.4	405.1	407.9	409.1	412.4	418.5	424.2
50°	384.2	382.7	382.2	381.1	382.2	382.7	384.2	383.7	387.9	393.6	401.4
52.5°	360.6	359.8	361.8	359.5	361.8	359.8	360.6	361.7	364.6	368.3	375.6
55°	328.7	327.1	330.2	327.1	330.2	327.1	328.7	327.6	328.7	332.3	337.0
57.5°	292.0	290.6	293.4	291.8	293.4	290.6	292.0	292.2	295.3	295.9	300.0
60°	267.9	264.8	266.4	266.9	266.4	264.8	267.9	269.0	270.0	270.5	274.7
62.5°	239.3	237.4	238.5	236.2	238.5	237.4	239.3	241.6	243.8	246.4	248.9
65°	198.9	197.3	195.2	194.2	195.2	197.3	198.9	199.9	205.6	208.7	214.4
67.5°	167.1	163.4	163.3	164.1	163.3	163.4	167.1	166.9	171.0	173.5	177.4
70°	143.8	143.8	143.3	143.3	143.3	143.8	143.8	146.9	149.0	151.1	153.7
72.5°	127.6	127.2	126.3	125.9	126.3	127.2	127.6	128.7	129.9	132.0	134.6
75°	102.8	103.3	102.3	101.8	102.3	103.3	102.8	102.8	104.9	105.4	106.4
77.5°	75.9	73.7	74.9	73.7	74.9	73.7	75.9	78.0	78.7	81.0	81.1
80°	57.6	57.1	58.7	57.1	58.7	57.1	57.6	57.6	59.2	60.2	62.8
82.5°	45.6	45.1	45.8	44.7	45.8	45.1	45.6	45.2	45.9	47.4	47.0
85°	27.5	27.0	26.5	27.0	26.5	27.0	27.5	27.0	26.5	27.0	27.5
87.5°	16.2	16.0	16.2	16.4	16.2	16.0	16.2	15.6	15.7	15.4	15.1
90°	33.2	34.2	35.2	36.2	35.2	34.2	33.2	32.2	30.8	29.2	27.5
92.5°	69.0	69.7	70.4	71.2	70.4	69.7	69.0	68.2	66.8	64.5	62.3
95°	127.7	128.4	129.0	129.7	129.0	128.4	127.7	127.0	125.5	123.2	120.8
97.5°	195.5	195.9	196.3	196.7	196.3	195.9	195.5	195.1	193.7	191.5	189.3
100°	245.3	246.0	246.7	247.3	246.7	246.0	245.3	244.7	242.8	239.8	236.8
102.5°	295.2	296.1	297.1	298.0	297.1	296.1	295.2	294.3	292.1	288.9	285.6
105°	371.0	372.0	373.0	374.0	373.0	372.0	371.0	370.0	368.5	366.5	364.5
107.5°	452.0	452.0	451.9	451.8	451.9	452.0	452.0	452.1	451.6	450.6	449.6
110°	510.8	510.4	510.1	509.8	510.1	510.4	510.8	511.1	510.8	509.8	508.8



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CATALOG NUMBER: S125RDIW-S850D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	568.3	567.7	567.1	566.5	567.1	567.7	568.3	568.9	568.9	568.5	568.0
115°	657.1	656.7	656.4	656.1	656.4	656.7	657.1	657.4	657.7	658.1	658.4
117.5°	747.5	746.2	744.9	743.5	744.9	746.2	747.5	748.9	749.4	749.2	748.9
120°	807.9	806.5	805.2	803.9	805.2	806.5	807.9	809.2	809.9	809.9	809.9
122.5°	867.4	866.3	865.2	864.2	865.2	866.3	867.4	868.5	869.1	869.4	869.7
125°	955.7	955.3	955.0	954.7	955.0	955.3	955.7	956.0	956.5	957.2	957.9
127.5°	1043.5	1042.9	1042.2	1041.5	1042.2	1042.9	1043.5	1044.2	1044.7	1045.1	1045.4
130°	1101.5	1100.8	1100.1	1099.5	1100.1	1100.8	1101.5	1102.1	1102.6	1103.0	1103.3
132.5°	1156.6	1155.6	1154.7	1153.7	1154.7	1155.6	1156.6	1157.5	1158.1	1158.5	1158.8
135°	1242.2	1240.9	1239.5	1238.2	1239.5	1240.9	1242.2	1243.6	1244.2	1244.2	1244.2
137.5°	1325.9	1324.2	1322.5	1320.8	1322.5	1324.2	1325.9	1327.6	1328.2	1327.8	1327.4
140°	1379.0	1377.3	1375.6	1373.9	1375.6	1377.3	1379.0	1380.6	1381.1	1380.5	1379.8
142.5°	1429.6	1428.0	1426.3	1424.6	1426.3	1428.0	1429.6	1431.3	1432.0	1431.5	1431.1
145°	1503.6	1502.6	1501.6	1500.6	1501.6	1502.6	1503.6	1504.6	1505.1	1505.1	1505.1
147.5°	1572.3	1570.0	1567.8	1565.5	1567.8	1570.0	1572.3	1574.6	1575.3	1574.5	1573.7
150°	1615.7	1615.1	1614.4	1613.7	1614.4	1615.1	1615.7	1616.4	1616.8	1616.8	1616.8
152.5°	1657.2	1656.0	1654.8	1653.6	1654.8	1656.0	1657.2	1658.4	1658.6	1657.8	1657.0
155°	1715.3	1713.6	1711.9	1710.3	1711.9	1713.6	1715.3	1717.0	1717.1	1715.8	1714.4
157.5°	1764.2	1762.0	1759.8	1757.6	1759.8	1762.0	1764.2	1766.5	1766.9	1765.6	1764.2
160°	1795.2	1793.5	1791.9	1790.2	1791.9	1793.5	1795.2	1796.9	1797.1	1795.7	1794.4
162.5°	1823.8	1821.8	1819.9	1817.9	1819.9	1821.8	1823.8	1825.7	1825.9	1824.3	1822.7
165°	1861.1	1859.1	1857.1	1855.0	1857.1	1859.1	1861.1	1863.1	1863.4	1862.1	1860.7
167.5°	1890.8	1888.8	1886.7	1884.6	1886.7	1888.8	1890.8	1892.9	1892.9	1890.9	1888.9
170°	1907.3	1905.0	1902.6	1900.3	1902.6	1905.0	1907.3	1909.7	1909.8	1907.8	1905.8
172.5°	1919.8	1917.7	1915.6	1913.6	1915.6	1917.7	1919.8	1921.9	1921.9	1919.9	1917.9
175°	1933.0	1930.6	1928.3	1925.9	1928.3	1930.6	1933.0	1935.3	1935.5	1933.5	1931.5
177.5°	1938.8	1936.9	1935.0	1933.2	1935.0	1936.9	1938.8	1940.7	1940.8	1939.2	1937.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333697

CATALOG NUMBER: S125RDIW-S850D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1212.6	1217.1	1219.6	1225.4	1233.7	1237.9	1243.7	1247.9	1253.7	1260.7	1266.6
5°	1134.0	1146.5	1154.8	1167.8	1179.7	1191.7	1206.7	1217.6	1232.2	1248.8	1261.8
7.5°	1061.1	1076.7	1090.5	1107.7	1127.4	1142.8	1162.4	1182.4	1205.2	1228.8	1251.0
10°	1014.6	1030.2	1047.3	1068.6	1088.3	1109.1	1132.5	1155.8	1184.4	1210.9	1241.0
12.5°	968.5	985.7	1005.0	1028.7	1052.6	1079.2	1103.0	1129.3	1159.9	1194.3	1226.5
15°	911.3	927.9	948.7	968.9	996.4	1025.5	1057.2	1092.0	1126.3	1164.7	1204.7
17.5°	849.9	868.2	891.0	914.5	943.5	977.5	1008.6	1046.7	1085.2	1130.0	1177.0
20°	810.0	828.7	855.7	881.7	908.2	941.4	978.3	1017.2	1058.2	1105.5	1157.9
22.5°	778.5	791.8	818.3	844.7	875.8	909.8	945.9	986.5	1031.2	1080.1	1135.1
25°	731.6	747.2	766.4	793.9	826.1	862.0	898.3	941.4	990.2	1040.1	1098.7
27.5°	690.0	702.8	721.8	743.4	775.4	812.6	851.3	896.2	946.3	997.1	1058.7
30°	660.5	674.5	692.7	715.5	741.0	781.5	820.9	865.1	916.0	968.4	1031.7
32.5°	634.7	649.2	664.8	686.4	714.0	749.9	790.6	833.9	885.6	939.7	1001.4
35°	598.7	608.6	623.1	644.4	671.4	700.5	742.0	787.7	838.1	894.1	955.9
37.5°	557.4	570.1	584.6	603.1	626.7	658.2	696.8	743.0	789.8	843.5	899.9
40°	533.3	545.2	561.3	574.8	599.7	628.3	663.6	711.9	758.6	809.0	860.4
42.5°	508.8	520.3	533.9	550.7	573.1	600.9	633.7	678.7	728.7	776.2	819.3
45°	470.4	482.4	495.4	510.9	531.7	558.7	591.4	632.4	676.1	719.7	752.4
47.5°	433.8	445.0	457.3	473.2	492.4	518.4	547.7	583.9	626.3	663.4	686.8
50°	407.6	418.0	431.5	447.1	465.8	490.2	518.2	554.0	589.3	623.1	644.4
52.5°	381.9	393.5	407.0	420.5	438.4	462.8	488.7	519.6	553.2	580.7	598.3
55°	343.2	354.1	366.6	380.6	398.3	419.0	446.6	471.0	497.4	520.8	531.2
57.5°	305.9	315.5	327.2	341.8	357.7	377.0	398.8	422.3	440.9	457.5	469.2
60°	281.4	289.7	300.6	313.1	330.2	347.9	367.6	389.4	404.0	418.0	428.9
62.5°	256.5	264.4	274.9	286.1	301.2	317.6	336.5	354.1	368.3	377.7	390.3
65°	219.1	226.9	235.7	247.7	259.6	273.1	290.3	303.2	313.1	323.5	331.3
67.5°	184.3	190.8	199.2	208.5	218.6	231.6	244.9	255.7	262.4	268.7	278.0
70°	161.5	166.7	173.4	180.7	191.6	204.6	215.0	223.3	228.0	234.2	245.6
72.5°	138.2	144.2	150.6	157.9	166.7	177.6	186.7	195.0	198.0	203.0	210.3
75°	109.0	112.2	117.4	122.5	128.8	138.1	146.9	149.0	151.6	155.8	161.0
77.5°	82.5	85.3	87.3	90.8	95.7	103.2	107.9	111.0	111.6	113.2	118.3
80°	65.4	67.0	69.1	71.7	73.7	80.0	82.6	85.7	86.7	88.3	90.9
82.5°	48.0	49.5	50.8	53.0	56.3	58.8	61.4	64.5	64.7	65.8	66.4
85°	28.0	28.6	27.5	28.6	29.1	30.1	32.7	35.3	34.8	34.3	35.8
87.5°	15.1	14.8	13.9	14.7	13.4	13.3	12.8	12.7	13.0	13.3	13.6
90°	25.8	24.1	21.8	19.4	17.1	14.7	12.2	9.6	6.9	4.2	1.5
92.5°	60.1	57.9	55.0	52.1	49.3	46.4	44.0	42.1	40.3	38.4	36.5
95°	118.5	116.1	112.8	109.4	106.1	102.7	100.7	100.0	99.4	98.7	98.0
97.5°	187.1	184.9	180.3	175.7	171.0	166.4	164.0	163.7	163.4	163.1	162.9
100°	233.8	230.7	226.4	222.0	217.7	213.3	211.1	211.1	211.1	211.1	211.1
102.5°	282.3	279.0	276.8	274.6	272.4	270.2	268.4	267.0	265.7	264.4	263.0
105°	362.5	360.5	358.4	356.4	354.4	352.4	350.6	348.9	347.2	345.5	343.9
107.5°	448.6	447.6	446.1	444.5	443.0	441.5	439.8	438.2	436.5	434.8	433.1
110°	507.7	506.7	505.7	504.7	503.7	502.7	501.4	499.7	498.0	496.4	494.7



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CATALOG NUMBER: S125RDIW-S850D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	567.5	567.1	565.8	564.5	563.2	562.0	560.9	560.0	559.2	558.3	557.4
115°	658.7	659.1	658.4	657.7	657.1	656.4	655.4	654.0	652.7	651.4	650.0
117.5°	748.6	748.4	747.7	747.1	746.5	745.9	745.3	744.7	744.1	743.5	742.9
120°	809.9	809.9	809.5	809.2	808.9	808.5	807.5	805.9	804.2	802.5	800.8
122.5°	869.9	870.2	869.3	868.5	867.6	866.7	866.0	865.4	864.8	864.2	863.6
125°	958.5	959.2	958.9	958.5	958.2	957.9	956.7	954.7	952.7	950.6	948.6
127.5°	1045.7	1046.1	1045.7	1045.3	1044.9	1044.5	1043.7	1042.5	1041.4	1040.3	1039.1
130°	1103.6	1104.0	1103.3	1102.6	1102.0	1101.3	1100.1	1098.4	1096.8	1095.1	1093.4
132.5°	1159.1	1159.5	1159.6	1159.7	1159.9	1160.0	1158.7	1156.0	1153.2	1150.5	1147.7
135°	1244.2	1244.2	1243.9	1243.6	1243.2	1242.9	1241.7	1239.7	1237.7	1235.7	1233.7
137.5°	1327.0	1326.6	1325.8	1325.1	1324.4	1323.6	1322.3	1320.3	1318.4	1316.5	1314.5
140°	1379.1	1378.5	1377.5	1376.5	1375.4	1374.4	1373.1	1371.4	1369.7	1368.1	1366.4
142.5°	1430.7	1430.3	1429.1	1427.8	1426.5	1425.2	1423.9	1422.5	1421.1	1419.7	1418.3
145°	1505.1	1505.1	1504.1	1503.1	1502.1	1501.1	1500.0	1498.6	1497.3	1495.9	1494.6
147.5°	1572.9	1572.1	1571.3	1570.5	1569.7	1568.9	1568.1	1567.4	1566.6	1565.9	1565.2
150°	1616.8	1616.8	1615.4	1614.1	1612.7	1611.4	1610.9	1611.2	1611.6	1611.9	1612.2
152.5°	1656.2	1655.4	1654.8	1654.3	1653.8	1653.2	1652.7	1652.2	1651.8	1651.3	1650.8
155°	1713.1	1711.8	1711.4	1711.1	1710.8	1710.4	1710.3	1710.3	1710.3	1710.3	1710.3
157.5°	1762.9	1761.5	1761.2	1760.9	1760.5	1760.2	1760.4	1761.1	1761.9	1762.6	1763.3
160°	1793.0	1791.7	1791.4	1791.0	1790.7	1790.4	1790.7	1791.7	1792.7	1793.7	1794.7
162.5°	1821.1	1819.4	1819.4	1819.3	1819.2	1819.2	1819.5	1820.3	1821.0	1821.7	1822.5
165°	1859.4	1858.1	1857.7	1857.4	1857.1	1856.7	1856.9	1857.6	1858.2	1858.9	1859.6
167.5°	1886.9	1884.9	1884.9	1884.9	1884.9	1884.9	1885.6	1886.9	1888.3	1889.6	1890.9
170°	1903.8	1901.8	1901.8	1901.8	1901.8	1901.8	1902.5	1903.8	1905.1	1906.5	1907.8
172.5°	1915.9	1913.9	1913.9	1913.9	1913.9	1913.9	1914.5	1915.9	1917.2	1918.6	1919.9
175°	1929.4	1927.4	1927.4	1927.4	1927.4	1927.4	1928.1	1929.4	1930.8	1932.1	1933.5
177.5°	1936.0	1934.4	1934.6	1934.9	1935.2	1935.4	1936.1	1937.2	1938.3	1939.3	1940.4
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1271.1	1274.9	1280.3	1286.5	1291.5	1296.9	1299.8	1299.8	1302.3	1307.7	1314.7
5°	1274.8	1288.3	1301.2	1317.9	1330.8	1345.9	1357.3	1368.2	1378.1	1390.5	1403.5
7.5°	1273.7	1296.1	1319.5	1345.7	1374.6	1397.5	1421.1	1439.6	1457.8	1481.7	1500.5
10°	1269.6	1298.6	1330.3	1363.5	1399.9	1431.6	1460.1	1486.1	1511.0	1537.0	1560.3
12.5°	1262.1	1299.1	1337.8	1377.7	1423.6	1459.8	1496.7	1524.3	1553.4	1581.8	1610.6
15°	1250.9	1294.5	1341.2	1396.8	1452.9	1493.4	1529.7	1565.5	1592.5	1624.7	1652.3
17.5°	1227.7	1283.9	1342.7	1403.4	1457.3	1504.4	1542.5	1576.5	1605.3	1640.7	1678.1
20°	1214.0	1274.8	1336.0	1400.9	1452.3	1500.6	1537.5	1572.8	1608.6	1654.8	1700.5
22.5°	1194.9	1259.8	1324.8	1386.4	1440.7	1487.3	1525.4	1568.7	1615.7	1668.1	1723.4
25°	1164.7	1231.7	1296.0	1354.7	1407.7	1455.5	1507.4	1565.5	1622.7	1691.7	1771.2
27.5°	1126.4	1190.9	1248.4	1310.4	1363.0	1423.8	1488.6	1551.6	1634.0	1729.0	1828.2
30°	1097.7	1159.0	1213.5	1272.2	1331.9	1398.9	1471.6	1545.8	1643.9	1755.6	1873.5
32.5°	1064.5	1119.9	1174.0	1230.6	1299.5	1373.1	1450.4	1541.2	1658.5	1785.5	1907.5
35°	1006.8	1056.7	1109.1	1171.9	1245.2	1325.1	1423.8	1534.4	1676.1	1812.7	1922.3
37.5°	946.4	985.7	1038.4	1104.7	1184.4	1276.9	1388.9	1523.3	1668.9	1791.4	1838.0
40°	899.9	936.7	992.3	1061.9	1140.8	1242.0	1367.7	1505.8	1652.3	1737.4	1733.8
42.5°	853.7	891.0	944.5	1014.5	1096.8	1210.1	1339.5	1483.0	1606.6	1639.0	1571.4
45°	783.0	817.8	870.3	940.9	1029.2	1148.1	1284.1	1421.7	1500.6	1448.2	1314.2
47.5°	711.0	744.7	793.4	862.6	958.9	1083.4	1212.0	1324.9	1336.0	1223.4	1062.7
50°	663.6	695.3	741.5	815.2	908.7	1030.2	1154.3	1243.1	1215.6	1078.0	912.3
52.5°	617.5	647.9	691.2	760.8	856.3	975.4	1086.2	1155.8	1092.2	945.9	796.8
55°	549.4	578.4	622.1	685.9	772.6	881.7	978.8	1004.2	910.8	763.3	642.8
57.5°	484.7	506.0	549.1	605.5	689.1	785.3	854.9	850.3	747.2	614.4	528.0
60°	441.9	461.1	502.1	554.0	633.5	719.7	768.5	747.7	643.3	533.8	450.7
62.5°	402.0	420.0	454.3	502.1	570.3	645.3	680.8	652.2	553.6	457.4	391.3
65°	341.7	354.6	382.2	426.3	479.8	531.7	563.4	521.3	434.1	361.4	311.5
67.5°	285.3	296.5	321.0	352.7	389.5	425.4	438.2	398.8	331.0	282.0	246.9
70°	248.7	259.1	275.7	305.3	329.7	355.2	361.4	326.1	269.5	232.1	210.3
72.5°	213.8	223.4	237.9	258.8	275.7	290.4	293.3	260.5	217.1	191.4	174.6
75°	163.0	171.4	180.7	188.5	199.4	202.0	200.9	175.5	152.1	135.0	125.7
77.5°	119.8	123.3	129.0	132.1	132.6	132.4	127.1	111.0	99.0	91.9	88.1
80°	92.4	95.0	96.6	97.6	98.1	92.9	87.2	77.4	73.2	69.1	64.4
82.5°	67.1	68.9	70.4	70.6	67.8	63.5	58.2	53.3	50.4	48.3	46.5
85°	36.3	36.9	36.3	33.8	30.1	28.6	27.5	26.5	26.0	25.4	25.4
87.5°	13.7	13.0	11.5	12.4	12.9	13.0	13.4	13.5	13.5	13.9	14.2
90°	4.2	6.9	9.6	12.2	14.7	17.1	19.4	21.8	24.1	25.8	27.5
92.5°	38.4	40.3	42.1	44.0	46.4	49.3	52.1	55.0	57.9	60.1	62.3
95°	98.7	99.4	100.0	100.7	102.7	106.1	109.4	112.8	116.1	118.5	120.8
97.5°	163.1	163.4	163.7	164.0	166.4	171.0	175.7	180.3	184.9	187.1	189.3
100°	211.1	211.1	211.1	211.1	213.3	217.7	222.0	226.4	230.7	233.8	236.8
102.5°	264.4	265.7	267.0	268.4	270.2	272.4	274.6	276.8	279.0	282.3	285.6
105°	345.5	347.2	348.9	350.6	352.4	354.4	356.4	358.4	360.5	362.5	364.5
107.5°	434.8	436.5	438.2	439.8	441.5	443.0	444.5	446.1	447.6	448.6	449.6
110°	496.4	498.0	499.7	501.4	502.7	503.7	504.7	505.7	506.7	507.7	508.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	558.3	559.2	560.0	560.9	562.0	563.2	564.5	565.8	567.1	567.5	568.0
115°	651.4	652.7	654.0	655.4	656.4	657.1	657.7	658.4	659.1	658.7	658.4
117.5°	743.5	744.1	744.7	745.3	745.9	746.5	747.1	747.7	748.4	748.6	748.9
120°	802.5	804.2	805.9	807.5	808.5	808.9	809.2	809.5	809.9	809.9	809.9
122.5°	864.2	864.8	865.4	866.0	866.7	867.6	868.5	869.3	870.2	869.9	869.7
125°	950.6	952.7	954.7	956.7	957.9	958.2	958.5	958.9	959.2	958.5	957.9
127.5°	1040.3	1041.4	1042.5	1043.7	1044.5	1044.9	1045.3	1045.7	1046.1	1045.7	1045.4
130°	1095.1	1096.8	1098.4	1100.1	1101.3	1102.0	1102.6	1103.3	1104.0	1103.6	1103.3
132.5°	1150.5	1153.2	1156.0	1158.7	1160.0	1159.9	1159.7	1159.6	1159.5	1159.1	1158.8
135°	1235.7	1237.7	1239.7	1241.7	1242.9	1243.2	1243.6	1243.9	1244.2	1244.2	1244.2
137.5°	1316.5	1318.4	1320.3	1322.3	1323.6	1324.4	1325.1	1325.8	1326.6	1327.0	1327.4
140°	1368.1	1369.7	1371.4	1373.1	1374.4	1375.4	1376.5	1377.5	1378.5	1379.1	1379.8
142.5°	1419.7	1421.1	1422.5	1423.9	1425.2	1426.5	1427.8	1429.1	1430.3	1430.7	1431.1
145°	1495.9	1497.3	1498.6	1500.0	1501.1	1502.1	1503.1	1504.1	1505.1	1505.1	1505.1
147.5°	1565.9	1566.6	1567.4	1568.1	1568.9	1569.7	1570.5	1571.3	1572.1	1572.9	1573.7
150°	1611.9	1611.6	1611.2	1610.9	1611.4	1612.7	1614.1	1615.4	1616.8	1616.8	1616.8
152.5°	1651.3	1651.8	1652.2	1652.7	1653.2	1653.8	1654.3	1654.8	1655.4	1656.2	1657.0
155°	1710.3	1710.3	1710.3	1710.3	1710.4	1710.8	1711.1	1711.4	1711.8	1713.1	1714.4
157.5°	1762.6	1761.9	1761.1	1760.4	1760.2	1760.5	1760.9	1761.2	1761.5	1762.9	1764.2
160°	1793.7	1792.7	1791.7	1790.7	1790.4	1790.7	1791.0	1791.4	1791.7	1793.0	1794.4
162.5°	1821.7	1821.0	1820.3	1819.5	1819.2	1819.2	1819.3	1819.4	1819.4	1821.1	1822.7
165°	1858.9	1858.2	1857.6	1856.9	1856.7	1857.1	1857.4	1857.7	1858.1	1859.4	1860.7
167.5°	1889.6	1888.3	1886.9	1885.6	1884.9	1884.9	1884.9	1884.9	1884.9	1886.9	1888.9
170°	1906.5	1905.1	1903.8	1902.5	1901.8	1901.8	1901.8	1901.8	1901.8	1903.8	1905.8
172.5°	1918.6	1917.2	1915.9	1914.5	1913.9	1913.9	1913.9	1913.9	1913.9	1915.9	1917.9
175°	1932.1	1930.8	1929.4	1928.1	1927.4	1927.4	1927.4	1927.4	1927.4	1929.4	1931.5
177.5°	1939.3	1938.3	1937.2	1936.1	1935.4	1935.2	1934.9	1934.6	1934.4	1936.0	1937.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1320.1	1320.1	1327.2	1326.8	1331.4	1329.7	1330.5
5°	1419.1	1427.9	1435.7	1440.9	1448.7	1450.8	1449.7
7.5°	1521.7	1541.3	1550.9	1564.0	1566.4	1573.2	1572.5
10°	1585.3	1604.5	1619.0	1630.4	1636.2	1643.4	1643.9
12.5°	1635.1	1651.4	1664.3	1674.9	1681.8	1684.1	1685.5
15°	1674.1	1692.2	1707.3	1722.3	1731.2	1737.9	1741.6
17.5°	1713.3	1741.4	1767.9	1788.4	1800.7	1811.0	1810.9
20°	1743.6	1775.8	1809.1	1832.4	1856.3	1866.7	1868.3
22.5°	1776.0	1825.3	1868.1	1904.3	1935.7	1946.5	1950.5
25°	1843.3	1907.7	1973.7	2024.6	2060.9	2082.2	2085.3
27.5°	1924.6	2011.8	2081.2	2128.1	2158.3	2174.1	2177.5
30°	1982.0	2062.5	2124.8	2160.1	2174.1	2176.2	2168.4
32.5°	2007.7	2067.9	2092.8	2090.7	2063.2	2044.9	2037.9
35°	1976.3	1963.8	1903.0	1830.4	1774.8	1739.5	1730.1
37.5°	1798.5	1691.0	1579.2	1469.4	1410.9	1381.2	1330.1
40°	1623.2	1470.0	1353.7	1261.3	1195.3	1142.3	1129.9
42.5°	1425.4	1267.3	1151.0	1071.8	1019.2	982.8	967.0
45°	1145.5	1009.4	913.4	852.6	812.1	785.6	773.7
47.5°	916.2	810.9	740.9	695.9	665.1	642.0	635.6
50°	790.3	706.2	647.0	609.1	585.7	568.1	560.8
52.5°	686.4	618.5	573.0	541.8	519.7	508.7	502.6
55°	566.5	507.8	475.1	450.2	437.7	428.9	424.7
57.5°	463.3	420.9	397.0	379.8	368.3	362.6	360.6
60°	405.5	372.3	350.5	337.0	329.2	321.9	319.9
62.5°	354.4	328.3	311.4	299.6	291.8	288.7	287.5
65°	285.6	268.5	256.0	248.7	242.5	241.5	240.9
67.5°	227.0	216.9	210.4	202.8	200.6	197.0	196.3
70°	194.2	187.4	179.7	177.1	174.5	170.8	171.4
72.5°	164.7	158.0	152.7	149.2	148.3	146.7	148.1
75°	120.5	118.4	116.3	113.7	112.7	112.7	112.2
77.5°	86.0	84.2	81.9	80.4	80.1	77.9	78.7
80°	62.3	59.7	58.7	59.2	57.6	57.1	57.1
82.5°	46.1	45.2	44.1	44.2	43.9	43.4	43.8
85°	25.4	24.9	24.9	24.4	24.4	23.9	23.9
87.5°	15.0	15.7	15.2	14.9	15.1	15.8	16.4
90°	29.2	30.8	32.2	33.2	34.2	35.2	36.2
92.5°	64.5	66.8	68.2	69.0	69.7	70.4	71.2
95°	123.2	125.5	127.0	127.7	128.4	129.0	129.7
97.5°	191.5	193.7	195.1	195.5	195.9	196.3	196.7
100°	239.8	242.8	244.7	245.3	246.0	246.7	247.3
102.5°	288.9	292.1	294.3	295.2	296.1	297.1	298.0
105°	366.5	368.5	370.0	371.0	372.0	373.0	374.0
107.5°	450.6	451.6	452.1	452.0	452.0	451.9	451.8
110°	509.8	510.8	511.1	510.8	510.4	510.1	509.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	568.5	568.9	568.9	568.3	567.7	567.1	566.5
115°	658.1	657.7	657.4	657.1	656.7	656.4	656.1
117.5°	749.2	749.4	748.9	747.5	746.2	744.9	743.5
120°	809.9	809.9	809.2	807.9	806.5	805.2	803.9
122.5°	869.4	869.1	868.5	867.4	866.3	865.2	864.2
125°	957.2	956.5	956.0	955.7	955.3	955.0	954.7
127.5°	1045.1	1044.7	1044.2	1043.5	1042.9	1042.2	1041.5
130°	1103.0	1102.6	1102.1	1101.5	1100.8	1100.1	1099.5
132.5°	1158.5	1158.1	1157.5	1156.6	1155.6	1154.7	1153.7
135°	1244.2	1244.2	1243.6	1242.2	1240.9	1239.5	1238.2
137.5°	1327.8	1328.2	1327.6	1325.9	1324.2	1322.5	1320.8
140°	1380.5	1381.1	1380.6	1379.0	1377.3	1375.6	1373.9
142.5°	1431.5	1432.0	1431.3	1429.6	1428.0	1426.3	1424.6
145°	1505.1	1505.1	1504.6	1503.6	1502.6	1501.6	1500.6
147.5°	1574.5	1575.3	1574.6	1572.3	1570.0	1567.8	1565.5
150°	1616.8	1616.8	1616.4	1615.7	1615.1	1614.4	1613.7
152.5°	1657.8	1658.6	1658.4	1657.2	1656.0	1654.8	1653.6
155°	1715.8	1717.1	1717.0	1715.3	1713.6	1711.9	1710.3
157.5°	1765.6	1766.9	1766.5	1764.2	1762.0	1759.8	1757.6
160°	1795.7	1797.1	1796.9	1795.2	1793.5	1791.9	1790.2
162.5°	1824.3	1825.9	1825.7	1823.8	1821.8	1819.9	1817.9
165°	1862.1	1863.4	1863.1	1861.1	1859.1	1857.1	1855.0
167.5°	1890.9	1892.9	1892.9	1890.8	1888.8	1886.7	1884.6
170°	1907.8	1909.8	1909.7	1907.3	1905.0	1902.6	1900.3
172.5°	1919.9	1921.9	1921.9	1919.8	1917.7	1915.6	1913.6
175°	1933.5	1935.5	1935.3	1933.0	1930.6	1928.3	1925.9
177.5°	1939.2	1940.8	1940.7	1938.8	1936.9	1935.0	1933.2
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0

(END OF REPORT)