

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: P333071-830

Luminaire Tested: **S124RDIW-S795D1560U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333071-830
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-S795D1560U830-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9029.0 lumens
Efficiency: N/A
Efficacy: 132.6 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

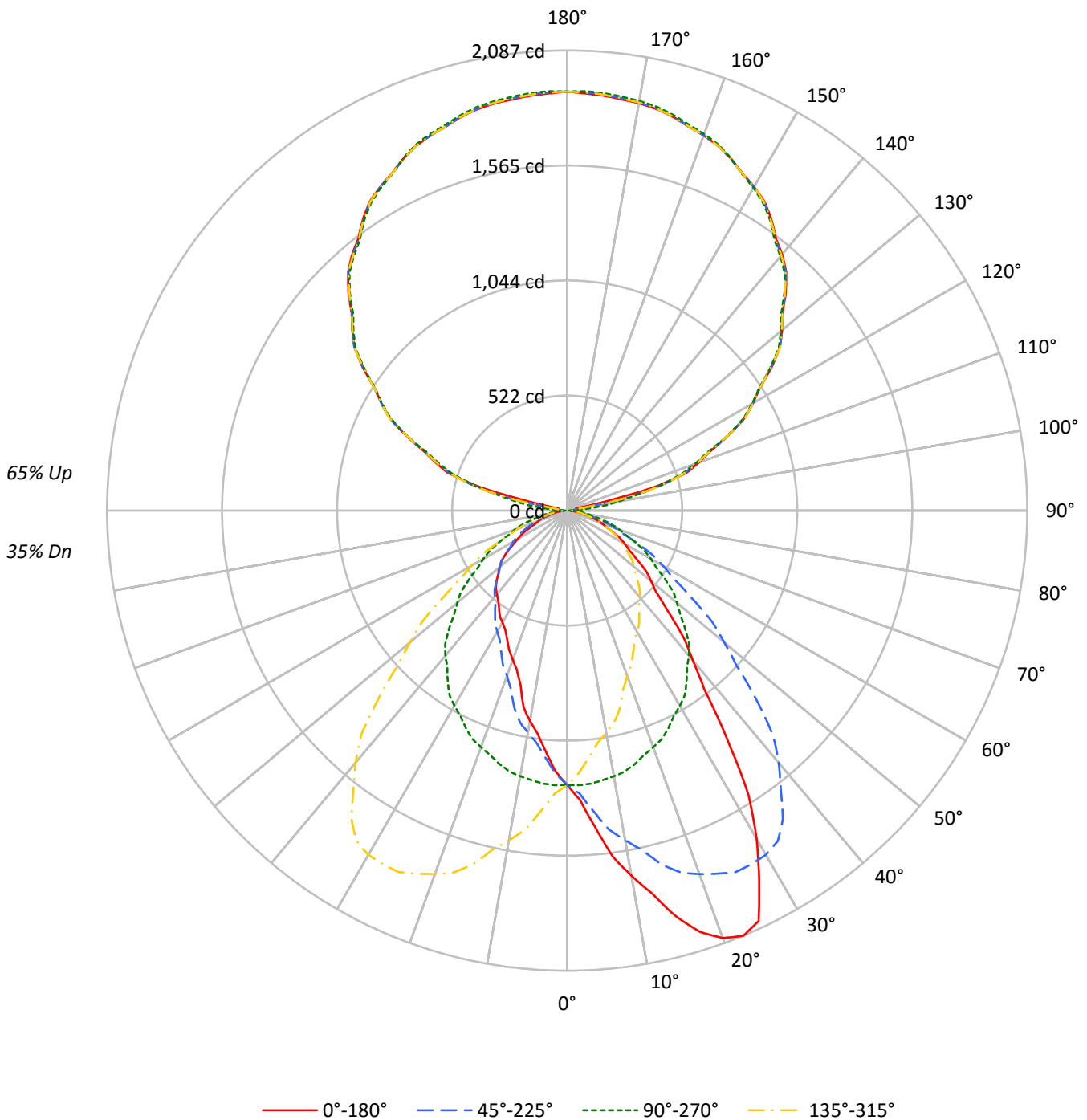
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	34	32	31	26
3	79	70	63	58	71	64	58	53	52	47	44	40	38	35	30	28	27	22
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19
5	66	55	48	42	60	50	44	39	41	36	32	33	29	26	24	22	20	17
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	20	18	15
7	57	45	37	32	51	41	34	29	34	29	25	27	23	20	20	18	16	13
8	52	41	33	28	47	37	31	26	31	26	22	24	21	18	19	16	14	12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10044	10044	10044	10044
5°	11651	10075	8904	10075
10°	13782	10030	7947	10030
15°	15921	9937	6829	9937
20°	17725	9810	6176	9810
25°	18299	9685	5734	9685
30°	16018	9533	5466	9533
35°	12470	9307	5306	9307
40°	9351	9049	5220	9049
45°	7383	8636	5174	8636
50°	6232	8160	5024	8160
55°	5433	7633	4756	7633
60°	4887	7090	4209	7090
65°	4309	6502	3620	6502
70°	3880	5894	3267	5894
75°	3250	5221	2785	5221
80°	2752	4454	2613	4454
85°	2325	3483	2325	3483



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.3
10°-20°	363.6	4.0
20°-30°	568.8	6.3
30°-40°	632.3	7.0
40°-50°	561.0	6.2
50°-60°	437.1	4.8
60°-70°	286.2	3.2
70°-80°	140.7	1.6
80°-90°	40.2	0.4
90°-100°	65.0	0.7
100°-110°	414.4	4.6
110°-120°	792.8	8.8
120°-130°	1006.4	11.1
130°-140°	1076.8	11.9
140°-150°	1006.9	11.2
150°-160°	812.0	9.0
160°-170°	523.7	5.8
170°-180°	180.5	2.0
0°-30°	1052.9	11.7
0°-40°	1685.2	18.7
0°-60°	2683.3	29.7
0°-90°	3150.5	34.9
90°-120°	1272.2	14.1
90°-150°	4362.3	48.3
90°-180°	5879.0	65.1
0°-180°	9029.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1244	1244	1244	1244	1244	
5°	1438	1243	1099	1243	1438	145
15°	1905	1189	817	1189	1905	542
25°	2054	1087	644	1087	2054	911
35°	1265	944	538	944	1265	793
45°	647	756	453	756	647	512
55°	386	542	338	542	386	351
65°	226	340	190	340	226	227
75°	104	167	89	167	104	115
85°	25	38	25	38	25	29
90°	43	4	43	4	43	19
95°	41	78	41	78	41	33
105°	405	428	405	428	405	353
115°	805	799	805	799	805	796
125°	1131	1123	1131	1123	1131	1008
135°	1403	1393	1403	1393	1403	1080
145°	1615	1606	1615	1606	1615	1009
155°	1760	1761	1760	1761	1760	811
165°	1849	1858	1849	1858	1849	522
175°	1889	1900	1889	1900	1889	180
180°	1900	1900	1900	1900	1900	



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1312.3	1316.0	1312.3	1311.9	1308.0	1306.7	1305.1	1300.0	1290.2	1284.7	1285.9
5°	1437.7	1450.2	1443.2	1442.2	1431.2	1420.1	1413.1	1397.0	1380.0	1368.5	1359.0
7.5°	1582.6	1589.9	1585.5	1578.4	1560.6	1550.5	1534.2	1513.1	1482.5	1459.2	1437.8
10°	1681.3	1687.3	1685.3	1672.3	1659.3	1632.7	1617.6	1588.1	1549.4	1518.9	1490.3
12.5°	1778.3	1784.8	1767.1	1767.7	1743.0	1722.1	1698.3	1661.0	1616.5	1577.1	1541.2
15°	1904.9	1896.9	1896.9	1886.8	1859.3	1830.1	1805.6	1766.5	1710.3	1663.2	1613.6
17.5°	2003.9	2006.7	2002.6	1979.0	1957.3	1927.2	1882.2	1836.5	1784.4	1721.2	1670.5
20°	2063.2	2063.2	2058.8	2042.7	2014.7	1982.5	1933.9	1884.3	1818.2	1754.4	1697.3
22.5°	2087.4	2089.0	2083.6	2070.4	2045.1	2013.8	1972.5	1922.0	1853.8	1782.2	1711.4
25°	2054.3	2063.8	2064.7	2061.2	2053.7	2034.7	1999.1	1947.5	1886.3	1808.6	1732.4
27.5°	1886.0	1898.0	1908.6	1925.9	1949.0	1961.0	1962.6	1936.4	1883.0	1808.2	1731.5
30°	1718.3	1728.4	1761.0	1803.6	1836.7	1866.8	1892.8	1899.9	1869.8	1802.6	1721.9
32.5°	1532.3	1546.0	1578.6	1624.4	1679.5	1730.4	1788.9	1818.8	1818.1	1777.7	1703.1
35°	1265.3	1275.3	1305.3	1353.5	1419.7	1495.3	1588.1	1660.2	1709.4	1705.8	1660.2
37.5°	1020.4	1031.7	1062.2	1102.0	1166.2	1259.9	1349.6	1449.1	1539.9	1590.9	1575.7
40°	887.3	887.8	917.4	958.5	1018.6	1100.3	1198.1	1308.3	1409.6	1492.3	1508.4
42.5°	782.2	782.3	801.8	846.1	889.5	966.4	1059.7	1169.2	1287.7	1383.3	1425.8
45°	646.7	651.2	667.2	693.8	727.8	793.1	867.7	969.5	1102.3	1215.6	1286.3
47.5°	547.6	554.2	564.4	586.1	613.2	656.7	718.4	809.8	917.9	1042.5	1143.1
50°	496.2	497.3	510.3	522.4	545.9	580.5	634.6	710.8	810.0	929.9	1041.7
52.5°	452.1	451.9	459.8	475.0	494.2	521.1	564.9	634.2	722.3	829.6	945.0
55°	386.0	388.5	394.5	406.5	421.0	440.2	474.7	526.9	596.1	687.8	792.5
57.5°	335.6	337.0	341.7	346.8	360.1	374.0	399.9	436.1	494.5	569.6	667.2
60°	302.7	303.3	304.8	312.3	322.8	335.8	353.4	384.0	433.1	501.8	579.0
62.5°	270.7	271.5	273.9	279.4	287.6	296.5	314.9	339.5	380.1	438.8	508.4
65°	225.6	226.1	229.6	231.6	238.1	246.1	259.7	276.2	304.3	353.4	406.0
67.5°	188.5	188.5	188.7	191.4	195.9	201.2	209.3	222.5	243.7	273.9	320.3
70°	164.4	164.4	165.4	166.9	169.5	173.9	178.4	188.5	204.1	228.6	264.2
72.5°	141.9	142.3	143.4	143.6	145.0	148.6	152.0	158.4	169.9	188.5	217.3
75°	104.2	105.8	108.3	110.3	112.8	112.3	115.8	119.8	123.3	134.3	150.9
77.5°	77.6	76.8	77.1	78.8	79.1	79.6	82.1	85.2	87.8	93.0	99.0
80°	59.2	59.2	60.7	61.2	60.7	61.2	63.6	65.1	66.2	68.1	73.7
82.5°	44.7	45.5	45.1	45.5	45.8	46.3	48.4	48.7	49.8	50.5	52.9
85°	25.1	25.5	26.1	25.1	25.1	25.1	26.1	26.6	27.6	27.1	28.1
87.5°	17.3	16.8	17.1	17.0	17.2	16.6	16.6	17.1	15.8	15.8	15.4
90°	42.6	42.0	41.4	40.7	40.2	38.8	36.9	35.1	33.2	31.3	28.7
92.5°	39.2	39.1	39.0	38.8	38.7	37.7	35.8	33.9	32.0	30.2	27.6
95°	41.2	40.9	40.6	40.2	40.0	38.8	36.9	35.1	33.2	31.3	30.9
97.5°	39.8	39.5	39.2	38.8	38.5	38.3	38.1	37.9	37.7	37.5	72.8
100°	39.8	39.5	39.2	38.8	38.5	41.1	46.5	51.8	57.2	62.6	106.1
102.5°	40.9	40.9	40.8	40.7	40.7	69.7	127.5	185.5	243.4	301.3	307.0
105°	405.1	416.5	427.8	439.2	450.5	454.9	452.0	449.1	446.3	443.5	441.9
107.5°	564.6	563.4	562.1	561.0	559.8	558.5	557.1	555.7	554.3	552.9	550.7
110°	634.0	633.0	632.1	631.1	630.2	629.3	628.8	628.1	627.5	626.8	624.9



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	703.3	702.1	700.9	699.7	698.5	698.0	698.0	698.2	698.3	698.5	697.6
115°	804.6	804.6	804.6	804.6	804.6	804.2	803.5	803.0	802.3	801.6	802.0
117.5°	907.4	907.6	907.7	907.8	908.0	908.0	908.1	908.3	908.4	908.5	907.9
120°	972.2	972.9	973.5	974.1	974.8	974.8	974.1	973.5	972.9	972.2	972.5
122.5°	1035.9	1036.5	1037.2	1037.8	1038.4	1038.6	1038.2	1037.8	1037.5	1037.1	1036.6
125°	1131.4	1131.1	1130.8	1130.5	1130.2	1129.5	1128.6	1127.7	1126.7	1125.8	1126.3
127.5°	1215.3	1215.5	1215.8	1216.1	1216.3	1216.5	1216.7	1216.9	1217.1	1217.3	1215.8
130°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.0	1271.7	1271.4	1271.0	1270.7	1269.8
132.5°	1324.5	1324.7	1324.9	1325.2	1325.5	1325.4	1325.1	1324.8	1324.5	1324.2	1323.0
135°	1402.9	1402.3	1401.7	1401.0	1400.4	1399.8	1399.1	1398.5	1397.9	1397.2	1396.0
137.5°	1470.0	1470.2	1470.4	1470.6	1470.7	1470.6	1469.8	1469.1	1468.4	1467.7	1466.3
140°	1516.6	1516.3	1516.0	1515.7	1515.3	1514.8	1513.8	1512.9	1511.9	1510.9	1510.3
142.5°	1555.3	1555.2	1555.2	1555.1	1555.0	1554.6	1554.0	1553.3	1552.6	1551.9	1551.5
145°	1614.7	1614.1	1613.4	1612.8	1612.2	1611.7	1611.4	1611.1	1610.7	1610.4	1610.4
147.5°	1663.9	1663.6	1663.2	1662.9	1662.6	1662.4	1662.1	1661.8	1661.6	1661.3	1661.6
150°	1695.7	1695.4	1695.1	1694.8	1694.5	1694.3	1694.3	1694.3	1694.3	1694.3	1694.6
152.5°	1723.0	1723.2	1723.3	1723.5	1723.7	1723.6	1723.1	1722.6	1722.1	1721.6	1722.1
155°	1759.7	1760.7	1761.6	1762.6	1763.5	1763.3	1762.1	1760.8	1759.5	1758.2	1759.3
157.5°	1790.4	1792.1	1793.7	1795.4	1797.0	1797.0	1795.4	1793.7	1792.1	1790.4	1791.5
160°	1810.8	1812.8	1814.7	1816.6	1818.4	1818.4	1816.6	1814.7	1812.8	1810.8	1811.2
162.5°	1826.7	1828.9	1831.1	1833.2	1835.3	1835.5	1833.6	1831.7	1829.8	1827.9	1828.2
165°	1849.3	1852.1	1854.9	1857.8	1860.6	1860.8	1858.2	1855.7	1853.1	1850.7	1850.7
167.5°	1866.0	1869.2	1872.4	1875.5	1878.7	1878.9	1876.0	1873.3	1870.5	1867.7	1867.9
170°	1876.2	1879.4	1882.5	1885.7	1888.9	1889.2	1886.7	1884.1	1881.6	1879.1	1878.8
172.5°	1881.9	1885.4	1888.8	1892.2	1895.5	1896.0	1893.5	1890.9	1888.4	1885.9	1885.6
175°	1889.0	1892.8	1896.6	1900.4	1904.2	1904.7	1901.9	1898.9	1896.1	1893.3	1893.0
177.5°	1893.6	1896.6	1899.6	1902.7	1905.7	1906.2	1904.2	1902.1	1900.2	1898.1	1897.6
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1281.9	1276.3	1273.5	1267.1	1259.4	1255.4	1251.8	1246.6	1239.7	1232.6	1227.3
5°	1346.9	1334.9	1319.8	1301.8	1285.8	1270.3	1256.7	1243.2	1227.7	1211.5	1195.5
7.5°	1413.7	1390.1	1364.5	1334.9	1306.2	1280.0	1255.9	1232.8	1206.7	1183.5	1162.2
10°	1460.2	1428.1	1392.5	1355.0	1317.4	1284.8	1252.7	1223.6	1191.6	1163.0	1138.9
12.5°	1497.9	1460.2	1417.4	1370.6	1325.4	1286.0	1249.1	1211.2	1174.7	1143.7	1111.6
15°	1560.5	1508.8	1451.2	1395.1	1336.4	1282.8	1233.1	1189.0	1147.5	1103.8	1073.3
17.5°	1603.5	1542.2	1472.2	1404.7	1335.4	1272.1	1214.9	1162.3	1114.4	1069.8	1033.4
20°	1629.2	1561.5	1483.8	1407.1	1329.4	1261.7	1200.0	1141.9	1092.3	1044.1	1006.5
22.5°	1643.6	1568.7	1483.8	1403.4	1323.0	1249.7	1182.0	1121.4	1067.4	1019.3	977.7
25°	1648.2	1568.0	1481.3	1389.0	1300.8	1223.1	1152.9	1087.3	1027.1	979.0	934.9
27.5°	1641.8	1547.4	1458.5	1363.9	1272.8	1190.9	1117.3	1048.3	988.1	936.4	891.2
30°	1632.2	1530.9	1435.7	1337.4	1245.2	1166.5	1088.7	1022.6	960.0	906.3	860.7
32.5°	1611.3	1510.9	1408.3	1307.8	1214.3	1133.2	1059.5	993.0	931.5	876.7	828.2
35°	1570.0	1468.3	1357.0	1253.7	1162.0	1077.7	1008.6	944.4	885.8	827.1	776.0
37.5°	1515.6	1411.6	1300.9	1187.8	1096.0	1016.5	953.0	892.8	835.6	782.0	725.4
40°	1464.2	1369.5	1255.2	1142.9	1048.7	971.9	913.3	858.7	801.1	747.9	691.3
42.5°	1402.0	1321.4	1205.9	1093.2	1000.1	926.2	871.7	818.2	765.7	714.3	655.2
45°	1298.4	1237.2	1128.9	1020.6	926.9	853.7	803.5	756.4	710.3	661.2	605.6
47.5°	1179.4	1138.0	1044.5	933.7	847.0	781.1	732.6	694.2	655.2	606.1	557.2
50°	1096.8	1070.3	980.0	878.7	796.1	735.4	685.8	649.7	617.1	570.0	526.3
52.5°	1008.6	994.5	918.2	821.4	741.5	682.0	639.6	607.2	574.2	535.1	494.3
55°	874.2	881.7	817.1	733.4	658.2	608.0	569.5	542.3	514.3	481.3	449.7
57.5°	736.9	764.3	721.0	647.4	576.9	530.7	501.6	478.8	455.2	427.8	400.9
60°	654.7	677.7	653.2	588.5	526.9	483.7	456.7	439.1	415.6	390.5	369.9
62.5°	574.5	599.2	584.6	532.3	475.1	438.0	414.2	397.8	380.3	358.4	337.1
65°	473.7	489.7	482.8	446.7	406.0	374.5	352.4	340.4	324.3	308.3	289.3
67.5°	362.8	393.8	389.7	370.5	335.5	310.8	296.3	285.7	271.1	259.2	246.2
70°	298.2	326.9	326.3	310.8	291.7	268.7	258.6	249.7	236.6	225.1	214.5
72.5°	244.1	270.3	274.2	262.3	249.2	231.8	222.2	215.9	203.3	195.4	186.9
75°	171.0	190.0	195.0	195.0	189.0	179.9	171.4	167.4	158.4	151.4	146.4
77.5°	112.1	124.1	132.0	133.7	134.7	131.7	124.6	121.8	114.9	112.4	107.5
80°	79.2	87.2	96.2	99.2	101.8	100.8	97.7	95.8	89.3	86.7	84.7
82.5°	54.8	59.2	66.5	73.1	72.5	75.1	72.5	70.9	66.0	65.0	63.1
85°	28.6	29.0	30.1	34.6	37.1	38.1	38.6	37.6	36.1	36.1	32.6
87.5°	14.9	13.9	14.2	13.7	13.4	14.2	14.8	14.5	13.9	13.5	13.0
90°	26.2	23.7	21.2	18.2	14.7	11.2	7.7	4.2	7.7	11.2	14.7
92.5°	25.1	22.5	20.0	18.7	18.5	18.3	18.1	17.9	18.1	18.3	18.5
95°	30.6	30.3	30.0	35.3	46.0	56.7	67.4	78.1	67.4	56.7	46.0
97.5°	108.0	143.3	178.5	192.8	186.2	179.4	172.7	166.0	172.7	179.4	186.2
100°	149.7	193.3	236.9	255.8	250.2	244.5	238.8	233.1	238.8	244.5	250.2
102.5°	312.7	318.4	324.0	324.8	320.7	316.5	312.4	308.1	312.4	316.5	320.7
105°	440.4	438.8	437.2	435.5	433.6	431.6	429.7	427.8	429.7	431.6	433.6
107.5°	548.7	546.5	544.3	542.8	541.9	540.9	540.0	538.9	540.0	540.9	541.9
110°	623.0	621.1	619.3	617.8	616.9	616.0	615.0	614.1	615.0	616.0	616.9



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	696.7	695.8	694.9	693.6	691.9	690.2	688.5	686.8	688.5	690.2	691.9
115°	802.3	802.6	803.0	802.6	801.6	800.7	799.7	798.8	799.7	800.7	801.6
117.5°	907.2	906.4	905.8	904.8	903.5	902.3	901.0	899.8	901.0	902.3	903.5
120°	972.9	973.2	973.5	973.0	971.8	970.5	969.2	968.0	969.2	970.5	971.8
122.5°	1036.1	1035.8	1035.3	1034.7	1033.9	1033.1	1032.4	1031.6	1032.4	1033.1	1033.9
125°	1127.0	1127.7	1128.2	1127.9	1126.7	1125.4	1124.2	1122.9	1124.2	1125.4	1126.7
127.5°	1214.4	1213.0	1211.4	1210.6	1210.2	1209.9	1209.7	1209.3	1209.7	1209.9	1210.2
130°	1268.9	1267.9	1267.0	1266.3	1266.0	1265.6	1265.4	1265.1	1265.4	1265.6	1266.0
132.5°	1321.7	1320.6	1319.4	1318.5	1318.0	1317.4	1316.7	1316.2	1316.7	1317.4	1318.0
135°	1394.7	1393.5	1392.1	1391.7	1392.0	1392.3	1392.6	1393.0	1392.6	1392.3	1392.0
137.5°	1465.0	1463.6	1462.2	1461.4	1461.3	1461.1	1461.0	1460.9	1461.0	1461.1	1461.3
140°	1509.7	1509.0	1508.4	1507.8	1507.1	1506.6	1505.9	1505.2	1505.9	1506.6	1507.1
142.5°	1551.1	1550.8	1550.4	1549.6	1548.5	1547.4	1546.1	1545.0	1546.1	1547.4	1548.5
145°	1610.4	1610.4	1610.4	1610.0	1609.0	1608.1	1607.1	1606.2	1607.1	1608.1	1609.0
147.5°	1662.0	1662.3	1662.6	1661.9	1660.1	1658.3	1656.5	1654.8	1656.5	1658.3	1660.1
150°	1695.0	1695.3	1695.5	1695.1	1693.8	1692.5	1691.3	1690.1	1691.3	1692.5	1693.8
152.5°	1722.7	1723.3	1723.9	1723.6	1722.6	1721.6	1720.6	1719.6	1720.6	1721.6	1722.6
155°	1760.2	1761.1	1762.1	1762.4	1762.1	1761.7	1761.4	1761.1	1761.4	1761.7	1762.1
157.5°	1792.5	1793.6	1794.7	1795.4	1795.5	1795.7	1795.9	1796.1	1795.9	1795.7	1795.5
160°	1811.5	1811.8	1812.1	1812.8	1813.7	1814.7	1815.6	1816.6	1815.6	1814.7	1813.7
162.5°	1828.5	1828.8	1829.2	1829.9	1831.2	1832.3	1833.5	1834.8	1833.5	1832.3	1831.2
165°	1850.7	1850.7	1850.7	1851.4	1853.0	1854.6	1856.1	1857.8	1856.1	1854.6	1853.0
167.5°	1868.1	1868.3	1868.5	1869.3	1871.0	1872.6	1874.3	1875.9	1874.3	1872.6	1871.0
170°	1878.5	1878.1	1877.8	1878.6	1880.5	1882.4	1884.3	1886.2	1884.3	1882.4	1880.5
172.5°	1885.3	1885.0	1884.6	1885.5	1887.3	1889.2	1891.1	1893.0	1891.1	1889.2	1887.3
175°	1892.6	1892.3	1892.1	1892.8	1894.7	1896.6	1898.5	1900.4	1898.5	1896.6	1894.7
177.5°	1897.1	1896.6	1896.1	1896.8	1898.5	1900.3	1902.1	1903.8	1902.1	1900.3	1898.5
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1221.7	1217.7	1212.5	1206.5	1199.3	1192.9	1190.1	1192.4	1193.6	1190.4	1190.1
5°	1184.5	1172.0	1162.0	1146.9	1134.9	1124.8	1117.9	1114.8	1115.9	1107.9	1105.8
7.5°	1142.7	1127.8	1111.4	1093.6	1076.9	1062.2	1054.5	1050.3	1041.8	1038.1	1032.0
10°	1115.9	1095.8	1079.8	1058.7	1039.6	1022.1	1013.6	1006.5	998.1	994.0	985.5
12.5°	1088.2	1064.9	1047.3	1025.4	1006.0	984.8	976.7	963.7	950.4	941.9	930.9
15°	1049.1	1021.2	999.6	973.5	950.5	926.3	904.8	880.7	871.8	852.7	841.7
17.5°	1003.5	975.1	948.4	913.4	877.9	848.0	825.0	801.9	788.2	776.0	770.3
20°	973.5	947.4	910.3	869.7	830.1	797.0	778.4	763.5	748.4	739.9	733.9
22.5°	945.0	911.7	868.6	824.8	785.2	759.3	743.6	728.1	716.0	707.8	699.7
25°	897.3	853.7	808.0	757.9	730.8	708.3	691.3	678.7	671.2	660.7	656.7
27.5°	848.3	795.4	745.1	711.4	683.2	662.6	647.7	638.3	628.8	622.1	616.9
30°	810.6	757.0	711.8	679.8	651.2	634.1	622.1	611.1	603.5	598.0	594.0
32.5°	773.3	719.6	681.7	647.2	624.7	608.0	595.2	587.0	581.1	574.0	571.6
35°	719.3	671.8	638.7	607.6	584.5	569.5	559.4	550.9	545.9	543.8	542.3
37.5°	667.5	628.5	593.0	567.4	546.9	535.1	523.2	519.1	515.6	512.0	513.6
40°	634.6	598.0	566.5	539.4	522.8	509.8	502.8	497.8	494.7	494.7	494.7
42.5°	606.1	570.3	539.6	515.3	498.8	487.8	479.9	475.7	474.7	474.3	476.7
45°	561.9	528.9	497.8	477.7	463.6	452.6	448.2	444.6	444.6	446.7	447.1
47.5°	518.1	487.1	462.2	439.7	426.9	420.0	416.0	414.2	414.4	416.5	418.8
50°	491.3	460.7	436.1	416.0	404.1	397.5	394.0	393.0	394.0	394.0	397.5
52.5°	461.9	434.6	410.5	393.6	379.9	373.8	371.9	370.5	371.2	372.8	374.3
55°	419.1	394.5	371.5	355.4	345.3	341.4	336.9	337.3	336.4	337.3	337.3
57.5°	376.1	354.0	332.5	319.8	311.0	305.2	300.3	301.7	300.2	300.0	299.2
60°	348.4	324.3	307.3	295.8	285.7	280.7	276.2	277.2	275.7	274.7	272.7
62.5°	318.3	298.2	282.0	270.9	262.9	257.0	252.5	251.6	248.1	244.6	240.3
65°	274.7	258.2	243.6	233.1	225.6	221.0	217.5	214.5	207.0	199.0	195.0
67.5°	232.3	220.4	206.8	197.9	191.8	185.9	179.2	174.1	167.0	162.6	160.1
70°	205.0	193.5	182.0	173.4	166.9	161.5	153.9	150.4	145.3	143.4	140.8
72.5°	179.0	168.2	157.5	149.8	142.9	138.6	132.6	129.1	127.0	126.1	123.7
75°	139.4	130.8	122.8	115.8	110.3	107.3	104.8	102.3	101.2	96.7	94.3
77.5°	101.7	96.0	91.0	86.1	82.1	80.1	75.3	72.4	70.7	68.6	68.1
80°	79.2	75.2	70.2	67.2	61.6	59.7	57.7	57.1	56.6	56.2	55.6
82.5°	59.6	55.5	50.5	48.7	47.2	46.0	44.8	44.3	43.8	44.1	44.0
85°	30.1	28.1	28.1	27.6	27.1	26.6	26.1	26.1	25.5	26.1	25.5
87.5°	13.7	13.9	14.3	14.0	15.0	15.5	15.5	15.8	16.6	16.2	16.4
90°	18.2	21.2	23.7	26.2	28.7	31.3	33.2	35.1	36.9	38.8	40.2
92.5°	18.7	20.0	22.5	25.1	27.6	30.2	32.0	33.9	35.8	37.7	38.7
95°	35.3	30.0	30.3	30.6	30.9	31.3	33.2	35.1	36.9	38.8	40.0
97.5°	192.8	178.5	143.3	108.0	72.8	37.5	37.7	37.9	38.1	38.3	38.5
100°	255.8	236.9	193.3	149.7	106.1	62.6	57.2	51.8	46.5	41.1	38.5
102.5°	324.8	324.0	318.4	312.7	307.0	301.3	243.4	185.5	127.5	69.7	40.7
105°	435.5	437.2	438.8	440.4	441.9	443.5	446.3	449.1	452.0	454.9	450.5
107.5°	542.8	544.3	546.5	548.7	550.7	552.9	554.3	555.7	557.1	558.5	559.8
110°	617.8	619.3	621.1	623.0	624.9	626.8	627.5	628.1	628.8	629.3	630.2



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	693.6	694.9	695.8	696.7	697.6	698.5	698.3	698.2	698.0	698.0	698.5
115°	802.6	803.0	802.6	802.3	802.0	801.6	802.3	803.0	803.5	804.2	804.6
117.5°	904.8	905.8	906.4	907.2	907.9	908.5	908.4	908.3	908.1	908.0	908.0
120°	973.0	973.5	973.2	972.9	972.5	972.2	972.9	973.5	974.1	974.8	974.8
122.5°	1034.7	1035.3	1035.8	1036.1	1036.6	1037.1	1037.5	1037.8	1038.2	1038.6	1038.4
125°	1127.9	1128.2	1127.7	1127.0	1126.3	1125.8	1126.7	1127.7	1128.6	1129.5	1130.2
127.5°	1210.6	1211.4	1213.0	1214.4	1215.8	1217.3	1217.1	1216.9	1216.7	1216.5	1216.3
130°	1266.3	1267.0	1267.9	1268.9	1269.8	1270.7	1271.0	1271.4	1271.7	1272.0	1272.1
132.5°	1318.5	1319.4	1320.6	1321.7	1323.0	1324.2	1324.5	1324.8	1325.1	1325.4	1325.5
135°	1391.7	1392.1	1393.5	1394.7	1396.0	1397.2	1397.9	1398.5	1399.1	1399.8	1400.4
137.5°	1461.4	1462.2	1463.6	1465.0	1466.3	1467.7	1468.4	1469.1	1469.8	1470.6	1470.7
140°	1507.8	1508.4	1509.0	1509.7	1510.3	1510.9	1511.9	1512.9	1513.8	1514.8	1515.3
142.5°	1549.6	1550.4	1550.8	1551.1	1551.5	1551.9	1552.6	1553.3	1554.0	1554.6	1555.0
145°	1610.0	1610.4	1610.4	1610.4	1610.4	1610.4	1610.7	1611.1	1611.4	1611.7	1612.2
147.5°	1661.9	1662.6	1662.3	1662.0	1661.6	1661.3	1661.6	1661.8	1662.1	1662.4	1662.6
150°	1695.1	1695.5	1695.3	1695.0	1694.6	1694.3	1694.3	1694.3	1694.3	1694.3	1694.5
152.5°	1723.6	1723.9	1723.3	1722.7	1722.1	1721.6	1722.1	1722.6	1723.1	1723.6	1723.7
155°	1762.4	1762.1	1761.1	1760.2	1759.3	1758.2	1759.5	1760.8	1762.1	1763.3	1763.5
157.5°	1795.4	1794.7	1793.6	1792.5	1791.5	1790.4	1792.1	1793.7	1795.4	1797.0	1797.0
160°	1812.8	1812.1	1811.8	1811.5	1811.2	1810.8	1812.8	1814.7	1816.6	1818.4	1818.4
162.5°	1829.9	1829.2	1828.8	1828.5	1828.2	1827.9	1829.8	1831.7	1833.6	1835.5	1835.3
165°	1851.4	1850.7	1850.7	1850.7	1850.7	1850.7	1853.1	1855.7	1858.2	1860.8	1860.6
167.5°	1869.3	1868.5	1868.3	1868.1	1867.9	1867.7	1870.5	1873.3	1876.0	1878.9	1878.7
170°	1878.6	1877.8	1878.1	1878.5	1878.8	1879.1	1881.6	1884.1	1886.7	1889.2	1888.9
172.5°	1885.5	1884.6	1885.0	1885.3	1885.6	1885.9	1888.4	1890.9	1893.5	1896.0	1895.5
175°	1892.8	1892.1	1892.3	1892.6	1893.0	1893.3	1896.1	1898.9	1901.9	1904.7	1904.2
177.5°	1896.8	1896.1	1896.6	1897.1	1897.6	1898.1	1900.2	1902.1	1904.2	1906.2	1905.7
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1187.6	1188.5	1185.6	1184.8	1185.6	1188.5	1187.6	1190.1	1190.4	1193.6	1192.4
5°	1101.8	1100.8	1098.3	1098.8	1098.3	1100.8	1101.8	1105.8	1107.9	1115.9	1114.8
7.5°	1028.4	1024.5	1025.6	1021.6	1025.6	1024.5	1028.4	1032.0	1038.1	1041.8	1050.3
10°	983.5	978.0	973.5	969.5	973.5	978.0	983.5	985.5	994.0	998.1	1006.5
12.5°	922.2	917.5	911.3	912.6	911.3	917.5	922.2	930.9	941.9	950.4	963.7
15°	835.1	827.6	815.6	817.1	815.6	827.6	835.1	841.7	852.7	871.8	880.7
17.5°	761.5	761.6	756.0	757.3	756.0	761.6	761.5	770.3	776.0	788.2	801.9
20°	723.3	719.8	720.3	718.9	720.3	719.8	723.3	733.9	739.9	748.4	763.5
22.5°	696.9	692.6	689.1	686.0	689.1	692.6	696.9	699.7	707.8	716.0	728.1
25°	652.1	649.1	644.6	643.7	644.6	649.1	652.1	656.7	660.7	671.2	678.7
27.5°	612.8	612.3	610.5	608.1	610.5	612.3	612.8	616.9	622.1	628.8	638.3
30°	590.0	589.0	588.0	586.4	588.0	589.0	590.0	594.0	598.0	603.5	611.1
32.5°	569.6	568.9	568.0	568.1	568.0	568.9	569.6	571.6	574.0	581.1	587.0
35°	540.4	539.9	538.9	538.4	538.9	539.9	540.4	542.3	543.8	545.9	550.9
37.5°	513.1	514.4	513.8	513.7	513.8	514.4	513.1	513.6	512.0	515.6	519.1
40°	494.3	494.7	495.8	495.3	495.8	494.7	494.3	494.7	494.7	494.7	497.8
42.5°	478.6	478.7	480.1	478.4	480.1	478.7	478.6	476.7	474.3	474.7	475.7
45°	450.6	453.6	453.2	453.2	453.2	453.6	450.6	447.1	446.7	444.6	444.6
47.5°	420.1	422.6	423.4	423.3	423.4	422.6	420.1	418.8	416.5	414.4	414.2
50°	400.0	399.0	400.5	400.0	400.5	399.0	400.0	397.5	394.0	394.0	393.0
52.5°	375.6	375.8	375.7	375.1	375.7	375.8	375.6	374.3	372.8	371.2	370.5
55°	337.9	338.4	337.3	337.9	337.3	338.4	337.9	337.3	337.3	336.4	337.3
57.5°	297.0	294.5	295.6	294.4	295.6	294.5	297.0	299.2	300.0	300.2	301.7
60°	267.7	263.6	262.7	260.7	262.7	263.6	267.7	272.7	274.7	275.7	277.2
62.5°	234.8	232.0	228.6	230.2	228.6	232.0	234.8	240.3	244.6	248.1	251.6
65°	191.0	189.0	187.5	189.5	187.5	189.0	191.0	195.0	199.0	207.0	214.5
67.5°	158.1	157.0	157.0	156.0	157.0	157.0	158.1	160.1	162.6	167.0	174.1
70°	140.8	139.4	139.4	138.4	139.4	139.4	140.8	140.8	143.4	145.3	150.4
72.5°	123.2	121.7	122.2	121.5	122.2	121.7	123.2	123.7	126.1	127.0	129.1
75°	91.2	88.7	88.7	89.3	88.7	88.7	91.2	94.3	96.7	101.2	102.3
77.5°	68.1	67.6	68.2	67.4	68.2	67.6	68.1	68.1	68.6	70.7	72.4
80°	55.6	55.1	54.7	56.2	54.7	55.1	55.6	55.6	56.2	56.6	57.1
82.5°	43.2	43.1	43.0	45.0	43.0	43.1	43.2	44.0	44.1	43.8	44.3
85°	26.1	25.1	26.1	25.1	26.1	25.1	26.1	25.5	26.1	25.5	26.1
87.5°	17.3	17.1	16.8	17.3	16.8	17.1	17.3	16.4	16.2	16.6	15.8
90°	40.7	41.4	42.0	42.6	42.0	41.4	40.7	40.2	38.8	36.9	35.1
92.5°	38.8	39.0	39.1	39.2	39.1	39.0	38.8	38.7	37.7	35.8	33.9
95°	40.2	40.6	40.9	41.2	40.9	40.6	40.2	40.0	38.8	36.9	35.1
97.5°	38.8	39.2	39.5	39.8	39.5	39.2	38.8	38.5	38.3	38.1	37.9
100°	38.8	39.2	39.5	39.8	39.5	39.2	38.8	38.5	41.1	46.5	51.8
102.5°	40.7	40.8	40.9	40.9	40.9	40.8	40.7	40.7	69.7	127.5	185.5
105°	439.2	427.8	416.5	405.1	416.5	427.8	439.2	450.5	454.9	452.0	449.1
107.5°	561.0	562.1	563.4	564.6	563.4	562.1	561.0	559.8	558.5	557.1	555.7
110°	631.1	632.1	633.0	634.0	633.0	632.1	631.1	630.2	629.3	628.8	628.1



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	699.7	700.9	702.1	703.3	702.1	700.9	699.7	698.5	698.0	698.0	698.2
115°	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.2	803.5	803.0
117.5°	907.8	907.7	907.6	907.4	907.6	907.7	907.8	908.0	908.0	908.1	908.3
120°	974.1	973.5	972.9	972.2	972.9	973.5	974.1	974.8	974.8	974.1	973.5
122.5°	1037.8	1037.2	1036.5	1035.9	1036.5	1037.2	1037.8	1038.4	1038.6	1038.2	1037.8
125°	1130.5	1130.8	1131.1	1131.4	1131.1	1130.8	1130.5	1130.2	1129.5	1128.6	1127.7
127.5°	1216.1	1215.8	1215.5	1215.3	1215.5	1215.8	1216.1	1216.3	1216.5	1216.7	1216.9
130°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.0	1271.7	1271.4
132.5°	1325.2	1324.9	1324.7	1324.5	1324.7	1324.9	1325.2	1325.5	1325.4	1325.1	1324.8
135°	1401.0	1401.7	1402.3	1402.9	1402.3	1401.7	1401.0	1400.4	1399.8	1399.1	1398.5
137.5°	1470.6	1470.4	1470.2	1470.0	1470.2	1470.4	1470.6	1470.7	1470.6	1469.8	1469.1
140°	1515.7	1516.0	1516.3	1516.6	1516.3	1516.0	1515.7	1515.3	1514.8	1513.8	1512.9
142.5°	1555.1	1555.2	1555.2	1555.3	1555.2	1555.2	1555.1	1555.0	1554.6	1554.0	1553.3
145°	1612.8	1613.4	1614.1	1614.7	1614.1	1613.4	1612.8	1612.2	1611.7	1611.4	1611.1
147.5°	1662.9	1663.2	1663.6	1663.9	1663.6	1663.2	1662.9	1662.6	1662.4	1662.1	1661.8
150°	1694.8	1695.1	1695.4	1695.7	1695.4	1695.1	1694.8	1694.5	1694.3	1694.3	1694.3
152.5°	1723.5	1723.3	1723.2	1723.0	1723.2	1723.3	1723.5	1723.7	1723.6	1723.1	1722.6
155°	1762.6	1761.6	1760.7	1759.7	1760.7	1761.6	1762.6	1763.5	1763.3	1762.1	1760.8
157.5°	1795.4	1793.7	1792.1	1790.4	1792.1	1793.7	1795.4	1797.0	1797.0	1795.4	1793.7
160°	1816.6	1814.7	1812.8	1810.8	1812.8	1814.7	1816.6	1818.4	1818.4	1816.6	1814.7
162.5°	1833.2	1831.1	1828.9	1826.7	1828.9	1831.1	1833.2	1835.3	1835.5	1833.6	1831.7
165°	1857.8	1854.9	1852.1	1849.3	1852.1	1854.9	1857.8	1860.6	1860.8	1858.2	1855.7
167.5°	1875.5	1872.4	1869.2	1866.0	1869.2	1872.4	1875.5	1878.7	1878.9	1876.0	1873.3
170°	1885.7	1882.5	1879.4	1876.2	1879.4	1882.5	1885.7	1888.9	1889.2	1886.7	1884.1
172.5°	1892.2	1888.8	1885.4	1881.9	1885.4	1888.8	1892.2	1895.5	1896.0	1893.5	1890.9
175°	1900.4	1896.6	1892.8	1889.0	1892.8	1896.6	1900.4	1904.2	1904.7	1901.9	1898.9
177.5°	1902.7	1899.6	1896.6	1893.6	1896.6	1899.6	1902.7	1905.7	1906.2	1904.2	1902.1
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1190.1	1192.9	1199.3	1206.5	1212.5	1217.7	1221.7	1227.3	1232.6	1239.7	1246.6
5°	1117.9	1124.8	1134.9	1146.9	1162.0	1172.0	1184.5	1195.5	1211.5	1227.7	1243.2
7.5°	1054.5	1062.2	1076.9	1093.6	1111.4	1127.8	1142.7	1162.2	1183.5	1206.7	1232.8
10°	1013.6	1022.1	1039.6	1058.7	1079.8	1095.8	1115.9	1138.9	1163.0	1191.6	1223.6
12.5°	976.7	984.8	1006.0	1025.4	1047.3	1064.9	1088.2	1111.6	1143.7	1174.7	1211.2
15°	904.8	926.3	950.5	973.5	999.6	1021.2	1049.1	1073.3	1103.8	1147.5	1189.0
17.5°	825.0	848.0	877.9	913.4	948.4	975.1	1003.5	1033.4	1069.8	1114.4	1162.3
20°	778.4	797.0	830.1	869.7	910.3	947.4	973.5	1006.5	1044.1	1092.3	1141.9
22.5°	743.6	759.3	785.2	824.8	868.6	911.7	945.0	977.7	1019.3	1067.4	1121.4
25°	691.3	708.3	730.8	757.9	808.0	853.7	897.3	934.9	979.0	1027.1	1087.3
27.5°	647.7	662.6	683.2	711.4	745.1	795.4	848.3	891.2	936.4	988.1	1048.3
30°	622.1	634.1	651.2	679.8	711.8	757.0	810.6	860.7	906.3	960.0	1022.6
32.5°	595.2	608.0	624.7	647.2	681.7	719.6	773.3	828.2	876.7	931.5	993.0
35°	559.4	569.5	584.5	607.6	638.7	671.8	719.3	776.0	827.1	885.8	944.4
37.5°	523.2	535.1	546.9	567.4	593.0	628.5	667.5	725.4	782.0	835.6	892.8
40°	502.8	509.8	522.8	539.4	566.5	598.0	634.6	691.3	747.9	801.1	858.7
42.5°	479.9	487.8	498.8	515.3	539.6	570.3	606.1	655.2	714.3	765.7	818.2
45°	448.2	452.6	463.6	477.7	497.8	528.9	561.9	605.6	661.2	710.3	756.4
47.5°	416.0	420.0	426.9	439.7	462.2	487.1	518.1	557.2	606.1	655.2	694.2
50°	394.0	397.5	404.1	416.0	436.1	460.7	491.3	526.3	570.0	617.1	649.7
52.5°	371.9	373.8	379.9	393.6	410.5	434.6	461.9	494.3	535.1	574.2	607.2
55°	336.9	341.4	345.3	355.4	371.5	394.5	419.1	449.7	481.3	514.3	542.3
57.5°	300.3	305.2	311.0	319.8	332.5	354.0	376.1	400.9	427.8	455.2	478.8
60°	276.2	280.7	285.7	295.8	307.3	324.3	348.4	369.9	390.5	415.6	439.1
62.5°	252.5	257.0	262.9	270.9	282.0	298.2	318.3	337.1	358.4	380.3	397.8
65°	217.5	221.0	225.6	233.1	243.6	258.2	274.7	289.3	308.3	324.3	340.4
67.5°	179.2	185.9	191.8	197.9	206.8	220.4	232.3	246.2	259.2	271.1	285.7
70°	153.9	161.5	166.9	173.4	182.0	193.5	205.0	214.5	225.1	236.6	249.7
72.5°	132.6	138.6	142.9	149.8	157.5	168.2	179.0	186.9	195.4	203.3	215.9
75°	104.8	107.3	110.3	115.8	122.8	130.8	139.4	146.4	151.4	158.4	167.4
77.5°	75.3	80.1	82.1	86.1	91.0	96.0	101.7	107.5	112.4	114.9	121.8
80°	57.7	59.7	61.6	67.2	70.2	75.2	79.2	84.7	86.7	89.3	95.8
82.5°	44.8	46.0	47.2	48.7	50.5	55.5	59.6	63.1	65.0	66.0	70.9
85°	26.1	26.6	27.1	27.6	28.1	28.1	30.1	32.6	36.1	36.1	37.6
87.5°	15.5	15.5	15.0	14.0	14.3	13.9	13.7	13.0	13.5	13.9	14.5
90°	33.2	31.3	28.7	26.2	23.7	21.2	18.2	14.7	11.2	7.7	4.2
92.5°	32.0	30.2	27.6	25.1	22.5	20.0	18.7	18.5	18.3	18.1	17.9
95°	33.2	31.3	30.9	30.6	30.3	30.0	35.3	46.0	56.7	67.4	78.1
97.5°	37.7	37.5	72.8	108.0	143.3	178.5	192.8	186.2	179.4	172.7	166.0
100°	57.2	62.6	106.1	149.7	193.3	236.9	255.8	250.2	244.5	238.8	233.1
102.5°	243.4	301.3	307.0	312.7	318.4	324.0	324.8	320.7	316.5	312.4	308.1
105°	446.3	443.5	441.9	440.4	438.8	437.2	435.5	433.6	431.6	429.7	427.8
107.5°	554.3	552.9	550.7	548.7	546.5	544.3	542.8	541.9	540.9	540.0	538.9
110°	627.5	626.8	624.9	623.0	621.1	619.3	617.8	616.9	616.0	615.0	614.1



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	698.3	698.5	697.6	696.7	695.8	694.9	693.6	691.9	690.2	688.5	686.8
115°	802.3	801.6	802.0	802.3	802.6	803.0	802.6	801.6	800.7	799.7	798.8
117.5°	908.4	908.5	907.9	907.2	906.4	905.8	904.8	903.5	902.3	901.0	899.8
120°	972.9	972.2	972.5	972.9	973.2	973.5	973.0	971.8	970.5	969.2	968.0
122.5°	1037.5	1037.1	1036.6	1036.1	1035.8	1035.3	1034.7	1033.9	1033.1	1032.4	1031.6
125°	1126.7	1125.8	1126.3	1127.0	1127.7	1128.2	1127.9	1126.7	1125.4	1124.2	1122.9
127.5°	1217.1	1217.3	1215.8	1214.4	1213.0	1211.4	1210.6	1210.2	1209.9	1209.7	1209.3
130°	1271.0	1270.7	1269.8	1268.9	1267.9	1267.0	1266.3	1266.0	1265.6	1265.4	1265.1
132.5°	1324.5	1324.2	1323.0	1321.7	1320.6	1319.4	1318.5	1318.0	1317.4	1316.7	1316.2
135°	1397.9	1397.2	1396.0	1394.7	1393.5	1392.1	1391.7	1392.0	1392.3	1392.6	1393.0
137.5°	1468.4	1467.7	1466.3	1465.0	1463.6	1462.2	1461.4	1461.3	1461.1	1461.0	1460.9
140°	1511.9	1510.9	1510.3	1509.7	1509.0	1508.4	1507.8	1507.1	1506.6	1505.9	1505.2
142.5°	1552.6	1551.9	1551.5	1551.1	1550.8	1550.4	1549.6	1548.5	1547.4	1546.1	1545.0
145°	1610.7	1610.4	1610.4	1610.4	1610.4	1610.4	1610.0	1609.0	1608.1	1607.1	1606.2
147.5°	1661.6	1661.3	1661.6	1662.0	1662.3	1662.6	1661.9	1660.1	1658.3	1656.5	1654.8
150°	1694.3	1694.3	1694.6	1695.0	1695.3	1695.5	1695.1	1693.8	1692.5	1691.3	1690.1
152.5°	1722.1	1721.6	1722.1	1722.7	1723.3	1723.9	1723.6	1722.6	1721.6	1720.6	1719.6
155°	1759.5	1758.2	1759.3	1760.2	1761.1	1762.1	1762.4	1762.1	1761.7	1761.4	1761.1
157.5°	1792.1	1790.4	1791.5	1792.5	1793.6	1794.7	1795.4	1795.5	1795.7	1795.9	1796.1
160°	1812.8	1810.8	1811.2	1811.5	1811.8	1812.1	1812.8	1813.7	1814.7	1815.6	1816.6
162.5°	1829.8	1827.9	1828.2	1828.5	1828.8	1829.2	1829.9	1831.2	1832.3	1833.5	1834.8
165°	1853.1	1850.7	1850.7	1850.7	1850.7	1850.7	1851.4	1853.0	1854.6	1856.1	1857.8
167.5°	1870.5	1867.7	1867.9	1868.1	1868.3	1868.5	1869.3	1871.0	1872.6	1874.3	1875.9
170°	1881.6	1879.1	1878.8	1878.5	1878.1	1877.8	1878.6	1880.5	1882.4	1884.3	1886.2
172.5°	1888.4	1885.9	1885.6	1885.3	1885.0	1884.6	1885.5	1887.3	1889.2	1891.1	1893.0
175°	1896.1	1893.3	1893.0	1892.6	1892.3	1892.1	1892.8	1894.7	1896.6	1898.5	1900.4
177.5°	1900.2	1898.1	1897.6	1897.1	1896.6	1896.1	1896.8	1898.5	1900.3	1902.1	1903.8
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1251.8	1255.4	1259.4	1267.1	1273.5	1276.3	1281.9	1285.9	1284.7	1290.2	1300.0
5°	1256.7	1270.3	1285.8	1301.8	1319.8	1334.9	1346.9	1359.0	1368.5	1380.0	1397.0
7.5°	1255.9	1280.0	1306.2	1334.9	1364.5	1390.1	1413.7	1437.8	1459.2	1482.5	1513.1
10°	1252.7	1284.8	1317.4	1355.0	1392.5	1428.1	1460.2	1490.3	1518.9	1549.4	1588.1
12.5°	1249.1	1286.0	1325.4	1370.6	1417.4	1460.2	1497.9	1541.2	1577.1	1616.5	1661.0
15°	1233.1	1282.8	1336.4	1395.1	1451.2	1508.8	1560.5	1613.6	1663.2	1710.3	1766.5
17.5°	1214.9	1272.1	1335.4	1404.7	1472.2	1542.2	1603.5	1670.5	1721.2	1784.4	1836.5
20°	1200.0	1261.7	1329.4	1407.1	1483.8	1561.5	1629.2	1697.3	1754.4	1818.2	1884.3
22.5°	1182.0	1249.7	1323.0	1403.4	1483.8	1568.7	1643.6	1711.4	1782.2	1853.8	1922.0
25°	1152.9	1223.1	1300.8	1389.0	1481.3	1568.0	1648.2	1732.4	1808.6	1886.3	1947.5
27.5°	1117.3	1190.9	1272.8	1363.9	1458.5	1547.4	1641.8	1731.5	1808.2	1883.0	1936.4
30°	1088.7	1166.5	1245.2	1337.4	1435.7	1530.9	1632.2	1721.9	1802.6	1869.8	1899.9
32.5°	1059.5	1133.2	1214.3	1307.8	1408.3	1510.9	1611.3	1703.1	1777.7	1818.1	1818.8
35°	1008.6	1077.7	1162.0	1253.7	1357.0	1468.3	1570.0	1660.2	1705.8	1709.4	1660.2
37.5°	953.0	1016.5	1096.0	1187.8	1300.9	1411.6	1515.6	1575.7	1590.9	1539.9	1449.1
40°	913.3	971.9	1048.7	1142.9	1255.2	1369.5	1464.2	1508.4	1492.3	1409.6	1308.3
42.5°	871.7	926.2	1000.1	1093.2	1205.9	1321.4	1402.0	1425.8	1383.3	1287.7	1169.2
45°	803.5	853.7	926.9	1020.6	1128.9	1237.2	1298.4	1286.3	1215.6	1102.3	969.5
47.5°	732.6	781.1	847.0	933.7	1044.5	1138.0	1179.4	1143.1	1042.5	917.9	809.8
50°	685.8	735.4	796.1	878.7	980.0	1070.3	1096.8	1041.7	929.9	810.0	710.8
52.5°	639.6	682.0	741.5	821.4	918.2	994.5	1008.6	945.0	829.6	722.3	634.2
55°	569.5	608.0	658.2	733.4	817.1	881.7	874.2	792.5	687.8	596.1	526.9
57.5°	501.6	530.7	576.9	647.4	721.0	764.3	736.9	667.2	569.6	494.5	436.1
60°	456.7	483.7	526.9	588.5	653.2	677.7	654.7	579.0	501.8	433.1	384.0
62.5°	414.2	438.0	475.1	532.3	584.6	599.2	574.5	508.4	438.8	380.1	339.5
65°	352.4	374.5	406.0	446.7	482.8	489.7	473.7	406.0	353.4	304.3	276.2
67.5°	296.3	310.8	335.5	370.5	389.7	393.8	362.8	320.3	273.9	243.7	222.5
70°	258.6	268.7	291.7	310.8	326.3	326.9	298.2	264.2	228.6	204.1	188.5
72.5°	222.2	231.8	249.2	262.3	274.2	270.3	244.1	217.3	188.5	169.9	158.4
75°	171.4	179.9	189.0	195.0	195.0	190.0	171.0	150.9	134.3	123.3	119.8
77.5°	124.6	131.7	134.7	133.7	132.0	124.1	112.1	99.0	93.0	87.8	85.2
80°	97.7	100.8	101.8	99.2	96.2	87.2	79.2	73.7	68.1	66.2	65.1
82.5°	72.5	75.1	72.5	73.1	66.5	59.2	54.8	52.9	50.5	49.8	48.7
85°	38.6	38.1	37.1	34.6	30.1	29.0	28.6	28.1	27.1	27.6	26.6
87.5°	14.8	14.2	13.4	13.7	14.2	13.9	14.9	15.4	15.8	15.8	17.1
90°	7.7	11.2	14.7	18.2	21.2	23.7	26.2	28.7	31.3	33.2	35.1
92.5°	18.1	18.3	18.5	18.7	20.0	22.5	25.1	27.6	30.2	32.0	33.9
95°	67.4	56.7	46.0	35.3	30.0	30.3	30.6	30.9	31.3	33.2	35.1
97.5°	172.7	179.4	186.2	192.8	178.5	143.3	108.0	72.8	37.5	37.7	37.9
100°	238.8	244.5	250.2	255.8	236.9	193.3	149.7	106.1	62.6	57.2	51.8
102.5°	312.4	316.5	320.7	324.8	324.0	318.4	312.7	307.0	301.3	243.4	185.5
105°	429.7	431.6	433.6	435.5	437.2	438.8	440.4	441.9	443.5	446.3	449.1
107.5°	540.0	540.9	541.9	542.8	544.3	546.5	548.7	550.7	552.9	554.3	555.7
110°	615.0	616.0	616.9	617.8	619.3	621.1	623.0	624.9	626.8	627.5	628.1



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	688.5	690.2	691.9	693.6	694.9	695.8	696.7	697.6	698.5	698.3	698.2
115°	799.7	800.7	801.6	802.6	803.0	802.6	802.3	802.0	801.6	802.3	803.0
117.5°	901.0	902.3	903.5	904.8	905.8	906.4	907.2	907.9	908.5	908.4	908.3
120°	969.2	970.5	971.8	973.0	973.5	973.2	972.9	972.5	972.2	972.9	973.5
122.5°	1032.4	1033.1	1033.9	1034.7	1035.3	1035.8	1036.1	1036.6	1037.1	1037.5	1037.8
125°	1124.2	1125.4	1126.7	1127.9	1128.2	1127.7	1127.0	1126.3	1125.8	1126.7	1127.7
127.5°	1209.7	1209.9	1210.2	1210.6	1211.4	1213.0	1214.4	1215.8	1217.3	1217.1	1216.9
130°	1265.4	1265.6	1266.0	1266.3	1267.0	1267.9	1268.9	1269.8	1270.7	1271.0	1271.4
132.5°	1316.7	1317.4	1318.0	1318.5	1319.4	1320.6	1321.7	1323.0	1324.2	1324.5	1324.8
135°	1392.6	1392.3	1392.0	1391.7	1392.1	1393.5	1394.7	1396.0	1397.2	1397.9	1398.5
137.5°	1461.0	1461.1	1461.3	1461.4	1462.2	1463.6	1465.0	1466.3	1467.7	1468.4	1469.1
140°	1505.9	1506.6	1507.1	1507.8	1508.4	1509.0	1509.7	1510.3	1510.9	1511.9	1512.9
142.5°	1546.1	1547.4	1548.5	1549.6	1550.4	1550.8	1551.1	1551.5	1551.9	1552.6	1553.3
145°	1607.1	1608.1	1609.0	1610.0	1610.4	1610.4	1610.4	1610.4	1610.4	1610.7	1611.1
147.5°	1656.5	1658.3	1660.1	1661.9	1662.6	1662.3	1662.0	1661.6	1661.3	1661.6	1661.8
150°	1691.3	1692.5	1693.8	1695.1	1695.5	1695.3	1695.0	1694.6	1694.3	1694.3	1694.3
152.5°	1720.6	1721.6	1722.6	1723.6	1723.9	1723.3	1722.7	1722.1	1721.6	1722.1	1722.6
155°	1761.4	1761.7	1762.1	1762.4	1762.1	1761.1	1760.2	1759.3	1758.2	1759.5	1760.8
157.5°	1795.9	1795.7	1795.5	1795.4	1794.7	1793.6	1792.5	1791.5	1790.4	1792.1	1793.7
160°	1815.6	1814.7	1813.7	1812.8	1812.1	1811.8	1811.5	1811.2	1810.8	1812.8	1814.7
162.5°	1833.5	1832.3	1831.2	1829.9	1829.2	1828.8	1828.5	1828.2	1827.9	1829.8	1831.7
165°	1856.1	1854.6	1853.0	1851.4	1850.7	1850.7	1850.7	1850.7	1850.7	1853.1	1855.7
167.5°	1874.3	1872.6	1871.0	1869.3	1868.5	1868.3	1868.1	1867.9	1867.7	1870.5	1873.3
170°	1884.3	1882.4	1880.5	1878.6	1877.8	1878.1	1878.5	1878.8	1879.1	1881.6	1884.1
172.5°	1891.1	1889.2	1887.3	1885.5	1884.6	1885.0	1885.3	1885.6	1885.9	1888.4	1890.9
175°	1898.5	1896.6	1894.7	1892.8	1892.1	1892.3	1892.6	1893.0	1893.3	1896.1	1898.9
177.5°	1902.1	1900.3	1898.5	1896.8	1896.1	1896.6	1897.1	1897.6	1898.1	1900.2	1902.1
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1305.1	1306.7	1308.0	1311.9	1312.3	1316.0	1312.3
5°	1413.1	1420.1	1431.2	1442.2	1443.2	1450.2	1437.7
7.5°	1534.2	1550.5	1560.6	1578.4	1585.5	1589.9	1582.6
10°	1617.6	1632.7	1659.3	1672.3	1685.3	1687.3	1681.3
12.5°	1698.3	1722.1	1743.0	1767.7	1767.1	1784.8	1778.3
15°	1805.6	1830.1	1859.3	1886.8	1896.9	1896.9	1904.9
17.5°	1882.2	1927.2	1957.3	1979.0	2002.6	2006.7	2003.9
20°	1933.9	1982.5	2014.7	2042.7	2058.8	2063.2	2063.2
22.5°	1972.5	2013.8	2045.1	2070.4	2083.6	2089.0	2087.4
25°	1999.1	2034.7	2053.7	2061.2	2064.7	2063.8	2054.3
27.5°	1962.6	1961.0	1949.0	1925.9	1908.6	1898.0	1886.0
30°	1892.8	1866.8	1836.7	1803.6	1761.0	1728.4	1718.3
32.5°	1788.9	1730.4	1679.5	1624.4	1578.6	1546.0	1532.3
35°	1588.1	1495.3	1419.7	1353.5	1305.3	1275.3	1265.3
37.5°	1349.6	1259.9	1166.2	1102.0	1062.2	1031.7	1020.4
40°	1198.1	1100.3	1018.6	958.5	917.4	887.8	887.3
42.5°	1059.7	966.4	889.5	846.1	801.8	782.3	782.2
45°	867.7	793.1	727.8	693.8	667.2	651.2	646.7
47.5°	718.4	656.7	613.2	586.1	564.4	554.2	547.6
50°	634.6	580.5	545.9	522.4	510.3	497.3	496.2
52.5°	564.9	521.1	494.2	475.0	459.8	451.9	452.1
55°	474.7	440.2	421.0	406.5	394.5	388.5	386.0
57.5°	399.9	374.0	360.1	346.8	341.7	337.0	335.6
60°	353.4	335.8	322.8	312.3	304.8	303.3	302.7
62.5°	314.9	296.5	287.6	279.4	273.9	271.5	270.7
65°	259.7	246.1	238.1	231.6	229.6	226.1	225.6
67.5°	209.3	201.2	195.9	191.4	188.7	188.5	188.5
70°	178.4	173.9	169.5	166.9	165.4	164.4	164.4
72.5°	152.0	148.6	145.0	143.6	143.4	142.3	141.9
75°	115.8	112.3	112.8	110.3	108.3	105.8	104.2
77.5°	82.1	79.6	79.1	78.8	77.1	76.8	77.6
80°	63.6	61.2	60.7	61.2	60.7	59.2	59.2
82.5°	48.4	46.3	45.8	45.5	45.1	45.5	44.7
85°	26.1	25.1	25.1	25.1	26.1	25.5	25.1
87.5°	16.6	16.6	17.2	17.0	17.1	16.8	17.3
90°	36.9	38.8	40.2	40.7	41.4	42.0	42.6
92.5°	35.8	37.7	38.7	38.8	39.0	39.1	39.2
95°	36.9	38.8	40.0	40.2	40.6	40.9	41.2
97.5°	38.1	38.3	38.5	38.8	39.2	39.5	39.8
100°	46.5	41.1	38.5	38.8	39.2	39.5	39.8
102.5°	127.5	69.7	40.7	40.7	40.8	40.9	40.9
105°	452.0	454.9	450.5	439.2	427.8	416.5	405.1
107.5°	557.1	558.5	559.8	561.0	562.1	563.4	564.6
110°	628.8	629.3	630.2	631.1	632.1	633.0	634.0



TEST NUMBER: P333071-830

CATALOG NUMBER: S124RDIW-S795D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	698.0	698.0	698.5	699.7	700.9	702.1	703.3
115°	803.5	804.2	804.6	804.6	804.6	804.6	804.6
117.5°	908.1	908.0	908.0	907.8	907.7	907.6	907.4
120°	974.1	974.8	974.8	974.1	973.5	972.9	972.2
122.5°	1038.2	1038.6	1038.4	1037.8	1037.2	1036.5	1035.9
125°	1128.6	1129.5	1130.2	1130.5	1130.8	1131.1	1131.4
127.5°	1216.7	1216.5	1216.3	1216.1	1215.8	1215.5	1215.3
130°	1271.7	1272.0	1272.1	1272.1	1272.1	1272.1	1272.1
132.5°	1325.1	1325.4	1325.5	1325.2	1324.9	1324.7	1324.5
135°	1399.1	1399.8	1400.4	1401.0	1401.7	1402.3	1402.9
137.5°	1469.8	1470.6	1470.7	1470.6	1470.4	1470.2	1470.0
140°	1513.8	1514.8	1515.3	1515.7	1516.0	1516.3	1516.6
142.5°	1554.0	1554.6	1555.0	1555.1	1555.2	1555.2	1555.3
145°	1611.4	1611.7	1612.2	1612.8	1613.4	1614.1	1614.7
147.5°	1662.1	1662.4	1662.6	1662.9	1663.2	1663.6	1663.9
150°	1694.3	1694.3	1694.5	1694.8	1695.1	1695.4	1695.7
152.5°	1723.1	1723.6	1723.7	1723.5	1723.3	1723.2	1723.0
155°	1762.1	1763.3	1763.5	1762.6	1761.6	1760.7	1759.7
157.5°	1795.4	1797.0	1797.0	1795.4	1793.7	1792.1	1790.4
160°	1816.6	1818.4	1818.4	1816.6	1814.7	1812.8	1810.8
162.5°	1833.6	1835.5	1835.3	1833.2	1831.1	1828.9	1826.7
165°	1858.2	1860.8	1860.6	1857.8	1854.9	1852.1	1849.3
167.5°	1876.0	1878.9	1878.7	1875.5	1872.4	1869.2	1866.0
170°	1886.7	1889.2	1888.9	1885.7	1882.5	1879.4	1876.2
172.5°	1893.5	1896.0	1895.5	1892.2	1888.8	1885.4	1881.9
175°	1901.9	1904.7	1904.2	1900.4	1896.6	1892.8	1889.0
177.5°	1904.2	1906.2	1905.7	1902.7	1899.6	1896.6	1893.6
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4

(END OF REPORT)