

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: P333071-940

Luminaire Tested: **S124RDIW-S795D1560U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333071-940
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-S795D1560U940-4F0-1E-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: 8542.0 lumens
Efficiency: N/A
Efficacy: 125.4 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

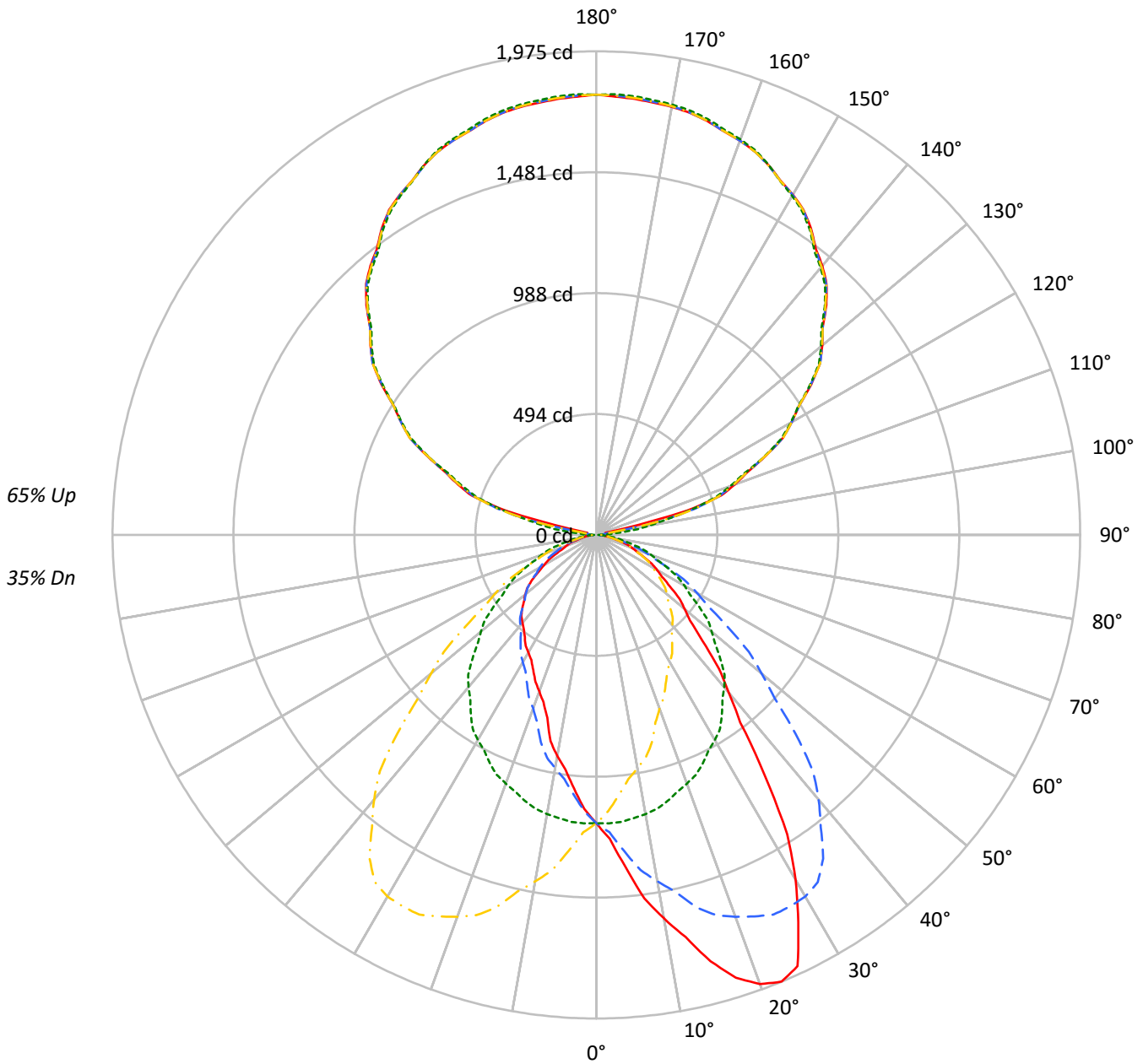
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	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°	9503	9503	9503	9503
5°	11022	9532	8425	9532
10°	13039	9489	7519	9489
15°	15061	9402	6461	9402
20°	16770	9281	5843	9281
25°	17312	9163	5424	9163
30°	15155	9018	5172	9018
35°	11797	8806	5019	8806
40°	8847	8560	4938	8560
45°	6985	8170	4894	8170
50°	5897	7720	4752	7720
55°	5140	7222	4500	7222
60°	4624	6707	3982	6707
65°	4076	6151	3423	6151
70°	3670	5575	3090	5575
75°	3075	4941	2633	4941
80°	2603	4212	2469	4212
85°	2195	3298	2195	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	1.3
10°-20°	344.0	4.0
20°-30°	538.1	6.3
30°-40°	598.2	7.0
40°-50°	530.7	6.2
50°-60°	413.6	4.8
60°-70°	270.8	3.2
70°-80°	133.1	1.6
80°-90°	38.0	0.4
90°-100°	61.5	0.7
100°-110°	392.1	4.6
110°-120°	750.0	8.8
120°-130°	952.1	11.1
130°-140°	1018.7	11.9
140°-150°	952.6	11.2
150°-160°	768.2	9.0
160°-170°	495.5	5.8
170°-180°	170.8	2.0
0°-30°	996.2	11.7
0°-40°	1594.3	18.7
0°-60°	2538.6	29.7
0°-90°	2980.6	34.9
90°-120°	1203.6	14.1
90°-150°	4127.0	48.3
90°-180°	5561.0	65.1
0°-180°	8542.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1360	1176	1040	1176	1360	138
15°	1802	1125	773	1125	1802	512
25°	1944	1029	609	1029	1944	862
35°	1197	894	509	894	1197	750
45°	612	716	429	716	612	485
55°	365	513	320	513	365	332
65°	213	322	179	322	213	215
75°	99	158	84	158	99	109
85°	24	36	24	36	24	28
90°	40	4	40	4	40	18
95°	39	74	39	74	39	31
105°	383	405	383	405	383	334
115°	761	756	761	756	761	753
125°	1070	1062	1070	1062	1070	953
135°	1327	1318	1327	1318	1327	1022
145°	1528	1520	1528	1520	1528	955
155°	1665	1666	1665	1666	1665	768
165°	1750	1758	1750	1758	1750	494
175°	1787	1798	1787	1798	1787	170
180°	1798	1798	1798	1798	1798	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1241.5	1245.0	1241.5	1241.2	1237.4	1236.3	1234.8	1229.8	1220.7	1215.4	1216.6
5°	1360.1	1372.0	1365.4	1364.4	1354.0	1343.5	1336.9	1321.7	1305.6	1294.7	1285.7
7.5°	1497.3	1504.1	1499.9	1493.3	1476.4	1466.9	1451.4	1431.5	1402.6	1380.5	1360.2
10°	1590.6	1596.3	1594.4	1582.1	1569.8	1544.6	1530.4	1502.4	1465.9	1437.0	1410.0
12.5°	1682.4	1688.5	1671.8	1672.4	1649.0	1629.2	1606.7	1571.5	1529.3	1492.0	1458.1
15°	1802.1	1794.6	1794.6	1785.0	1759.0	1731.4	1708.3	1671.2	1618.1	1573.5	1526.6
17.5°	1895.9	1898.5	1894.6	1872.2	1851.7	1823.3	1780.7	1737.5	1688.2	1628.4	1580.4
20°	1952.0	1952.0	1947.8	1932.5	1906.0	1875.6	1829.6	1782.7	1720.1	1659.8	1605.8
22.5°	1974.8	1976.3	1971.2	1958.7	1934.8	1905.2	1866.1	1818.4	1753.8	1686.0	1619.1
25°	1943.5	1952.5	1953.4	1950.1	1942.9	1924.9	1891.3	1842.5	1784.6	1711.1	1639.0
27.5°	1784.3	1795.6	1805.6	1822.0	1843.9	1855.2	1856.7	1831.9	1781.5	1710.7	1638.2
30°	1625.7	1635.2	1666.0	1706.3	1737.7	1766.1	1790.7	1797.4	1769.0	1705.4	1629.1
32.5°	1449.7	1462.6	1493.4	1536.8	1588.9	1637.1	1692.5	1720.7	1720.0	1681.9	1611.2
35°	1197.0	1206.5	1234.9	1280.5	1343.1	1414.7	1502.4	1570.7	1617.2	1613.8	1570.7
37.5°	965.4	976.1	1004.9	1042.6	1103.3	1191.9	1276.8	1370.9	1456.9	1505.1	1490.8
40°	839.5	839.9	867.9	906.8	963.7	1041.0	1133.5	1237.8	1333.6	1411.8	1427.0
42.5°	740.0	740.1	758.6	800.5	841.5	914.3	1002.6	1106.2	1218.3	1308.7	1348.9
45°	611.8	616.1	631.2	656.4	688.6	750.3	820.9	917.2	1042.9	1150.0	1216.9
47.5°	518.1	524.3	534.0	554.5	580.1	621.3	679.7	766.2	868.4	986.3	1081.5
50°	469.5	470.5	482.8	494.2	516.5	549.2	600.4	672.4	766.3	879.8	985.5
52.5°	427.8	427.6	435.0	449.4	467.5	493.0	534.4	600.0	683.3	784.9	894.0
55°	365.2	367.6	373.3	384.6	398.3	416.4	449.1	498.5	563.9	650.7	749.8
57.5°	317.5	318.8	323.2	328.1	340.7	353.8	378.4	412.6	467.8	538.9	631.2
60°	286.4	287.0	288.4	295.4	305.4	317.7	334.3	363.3	409.7	474.7	547.8
62.5°	256.1	256.9	259.1	264.3	272.1	280.5	297.9	321.2	359.6	415.2	481.0
65°	213.4	213.9	217.2	219.1	225.2	232.8	245.7	261.3	287.8	334.3	384.1
67.5°	178.3	178.3	178.5	181.1	185.3	190.4	198.0	210.5	230.6	259.1	303.0
70°	155.5	155.5	156.5	157.9	160.3	164.5	168.8	178.3	193.1	216.2	249.9
72.5°	134.3	134.6	135.6	135.9	137.1	140.6	143.8	149.9	160.8	178.3	205.5
75°	98.6	100.0	102.5	104.3	106.7	106.2	109.6	113.3	116.6	127.1	142.8
77.5°	73.4	72.7	72.9	74.5	74.8	75.3	77.7	80.6	83.1	88.0	93.6
80°	56.0	56.0	57.4	57.9	57.4	57.9	60.2	61.6	62.6	64.5	69.7
82.5°	42.3	43.1	42.6	43.1	43.3	43.8	45.8	46.1	47.1	47.8	50.0
85°	23.7	24.2	24.7	23.7	23.7	23.7	24.7	25.1	26.1	25.6	26.6
87.5°	16.4	15.9	16.1	16.1	16.3	15.7	15.7	16.1	15.0	15.0	14.5
90°	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2	31.4	29.6	27.2
92.5°	37.1	37.0	36.9	36.7	36.6	35.7	33.9	32.1	30.3	28.5	26.1
95°	39.0	38.7	38.4	38.1	37.8	36.7	35.0	33.2	31.4	29.6	29.2
97.5°	37.6	37.4	37.1	36.7	36.5	36.2	36.0	35.8	35.7	35.5	68.8
100°	37.6	37.4	37.1	36.7	36.5	38.9	44.0	49.0	54.1	59.2	100.4
102.5°	38.7	38.7	38.6	38.5	38.5	65.9	120.6	175.5	230.2	285.1	290.4
105°	383.3	394.0	404.7	415.5	426.2	430.3	427.7	424.9	422.2	419.5	418.0
107.5°	534.1	533.0	531.8	530.7	529.6	528.3	527.1	525.8	524.4	523.1	521.0
110°	599.8	598.9	598.0	597.1	596.2	595.4	594.9	594.2	593.6	593.0	591.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	665.4	664.2	663.1	662.0	660.8	660.3	660.4	660.6	660.7	660.8	660.0
115°	761.2	761.2	761.2	761.2	761.2	760.8	760.2	759.6	759.0	758.4	758.8
117.5°	858.4	858.6	858.7	858.8	859.0	859.1	859.2	859.3	859.4	859.5	858.9
120°	919.8	920.4	921.0	921.6	922.2	922.2	921.6	921.0	920.4	919.8	920.1
122.5°	980.1	980.6	981.2	981.9	982.4	982.6	982.2	981.9	981.5	981.1	980.7
125°	1070.4	1070.1	1069.8	1069.5	1069.3	1068.6	1067.7	1066.8	1066.0	1065.1	1065.6
127.5°	1149.8	1150.0	1150.2	1150.5	1150.7	1150.9	1151.1	1151.3	1151.5	1151.6	1150.2
130°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4	1203.1	1202.8	1202.5	1202.2	1201.3
132.5°	1253.0	1253.3	1253.5	1253.7	1254.0	1253.9	1253.7	1253.4	1253.0	1252.8	1251.6
135°	1327.2	1326.7	1326.1	1325.4	1324.9	1324.3	1323.7	1323.0	1322.5	1321.9	1320.7
137.5°	1390.7	1390.9	1391.1	1391.2	1391.4	1391.2	1390.5	1389.9	1389.2	1388.6	1387.2
140°	1434.9	1434.5	1434.2	1434.0	1433.6	1433.1	1432.2	1431.3	1430.4	1429.4	1428.9
142.5°	1471.4	1471.3	1471.3	1471.2	1471.1	1470.8	1470.2	1469.5	1468.8	1468.2	1467.8
145°	1527.6	1527.1	1526.4	1525.8	1525.3	1524.7	1524.5	1524.2	1523.8	1523.6	1523.6
147.5°	1574.1	1573.9	1573.5	1573.2	1573.0	1572.7	1572.4	1572.2	1572.0	1571.7	1572.0
150°	1604.3	1604.0	1603.7	1603.4	1603.1	1602.9	1602.9	1602.9	1602.9	1602.9	1603.2
152.5°	1630.0	1630.2	1630.4	1630.6	1630.8	1630.7	1630.1	1629.7	1629.2	1628.7	1629.2
155°	1664.8	1665.7	1666.6	1667.5	1668.4	1668.2	1667.1	1665.8	1664.6	1663.4	1664.4
157.5°	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0	1698.5	1696.9	1695.4	1693.8	1694.9
160°	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4	1718.6	1716.8	1715.0	1713.2	1713.5
162.5°	1728.2	1730.3	1732.3	1734.4	1736.3	1736.5	1734.7	1733.0	1731.1	1729.3	1729.7
165°	1749.5	1752.2	1754.9	1757.6	1760.2	1760.4	1758.0	1755.6	1753.2	1750.9	1750.9
167.5°	1765.4	1768.4	1771.4	1774.3	1777.4	1777.5	1774.9	1772.3	1769.6	1767.0	1767.2
170°	1775.0	1778.1	1781.0	1784.0	1787.0	1787.3	1784.9	1782.5	1780.1	1777.7	1777.4
172.5°	1780.4	1783.7	1786.9	1790.1	1793.3	1793.8	1791.4	1789.0	1786.5	1784.2	1783.9
175°	1787.2	1790.7	1794.3	1797.9	1801.5	1802.0	1799.3	1796.5	1793.9	1791.2	1790.9
177.5°	1791.4	1794.3	1797.2	1800.1	1803.0	1803.4	1801.5	1799.6	1797.7	1795.7	1795.3
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1212.7	1207.5	1204.8	1198.7	1191.5	1187.7	1184.3	1179.4	1172.9	1166.1	1161.1
5°	1274.3	1262.9	1248.7	1231.6	1216.5	1201.8	1188.9	1176.2	1161.5	1146.2	1131.0
7.5°	1337.5	1315.1	1290.9	1262.9	1235.7	1210.9	1188.2	1166.4	1141.7	1119.6	1099.5
10°	1381.4	1351.1	1317.4	1281.9	1246.3	1215.5	1185.2	1157.6	1127.3	1100.3	1077.5
12.5°	1417.1	1381.4	1341.0	1296.6	1253.9	1216.7	1181.7	1145.8	1111.3	1082.0	1051.7
15°	1476.3	1427.5	1373.0	1319.8	1264.4	1213.6	1166.6	1124.9	1085.6	1044.3	1015.4
17.5°	1517.0	1459.0	1392.8	1328.9	1263.4	1203.5	1149.4	1099.7	1054.3	1012.1	977.7
20°	1541.3	1477.3	1403.7	1331.2	1257.7	1193.6	1135.3	1080.3	1033.4	987.8	952.3
22.5°	1555.0	1484.1	1403.7	1327.8	1251.6	1182.3	1118.3	1061.0	1009.9	964.3	925.0
25°	1559.3	1483.5	1401.4	1314.1	1230.7	1157.2	1090.7	1028.7	971.7	926.2	884.5
27.5°	1553.3	1463.9	1379.8	1290.3	1204.2	1126.7	1057.0	991.8	934.8	885.9	843.1
30°	1544.2	1448.3	1358.3	1265.2	1178.0	1103.6	1030.0	967.4	908.2	857.5	814.3
32.5°	1524.4	1429.4	1332.4	1237.2	1148.8	1072.1	1002.4	939.4	881.3	829.4	783.5
35°	1485.3	1389.1	1283.8	1186.1	1099.3	1019.6	954.2	893.5	838.0	782.5	734.1
37.5°	1433.9	1335.5	1230.7	1123.7	1036.9	961.7	901.6	844.6	790.5	739.9	686.3
40°	1385.3	1295.7	1187.5	1081.3	992.1	919.5	864.1	812.3	757.9	707.6	654.0
42.5°	1326.4	1250.1	1140.9	1034.2	946.2	876.3	824.7	774.1	724.4	675.7	619.8
45°	1228.3	1170.5	1068.0	965.5	876.9	807.6	760.2	715.6	672.0	625.5	572.9
47.5°	1115.8	1076.7	988.2	883.3	801.3	739.0	693.1	656.7	619.8	573.4	527.2
50°	1037.7	1012.5	927.1	831.3	753.1	695.7	648.8	614.7	583.8	539.2	497.9
52.5°	954.2	940.8	868.7	777.1	701.5	645.2	605.1	574.4	543.2	506.2	467.6
55°	827.1	834.2	773.0	693.8	622.7	575.2	538.8	513.1	486.6	455.3	425.4
57.5°	697.1	723.1	682.1	612.5	545.8	502.0	474.6	453.0	430.7	404.7	379.2
60°	619.4	641.1	618.0	556.8	498.5	457.6	432.0	415.4	393.2	369.4	350.0
62.5°	543.5	566.9	553.0	503.6	449.5	414.4	391.8	376.4	359.8	339.1	318.9
65°	448.2	463.3	456.7	422.6	384.1	354.3	333.4	322.0	306.8	291.7	273.7
67.5°	343.2	372.6	368.7	350.5	317.4	294.0	280.4	270.3	256.5	245.2	232.9
70°	282.1	309.2	308.7	294.0	276.0	254.2	244.7	236.2	223.8	212.9	203.0
72.5°	231.0	255.7	259.4	248.2	235.8	219.3	210.2	204.3	192.3	184.9	176.8
75°	161.8	179.8	184.5	184.5	178.8	170.2	162.2	158.4	149.9	143.2	138.5
77.5°	106.0	117.4	124.8	126.5	127.4	124.6	117.9	115.2	108.7	106.3	101.7
80°	74.9	82.5	91.0	93.9	96.3	95.3	92.5	90.6	84.4	82.0	80.2
82.5°	51.8	56.0	63.0	69.2	68.6	71.1	68.6	67.1	62.4	61.5	59.7
85°	27.0	27.5	28.4	32.7	35.1	36.0	36.6	35.6	34.2	34.2	30.9
87.5°	14.1	13.2	13.5	12.9	12.7	13.5	14.0	13.7	13.2	12.8	12.3
90°	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0	7.3	10.6	13.9
92.5°	23.7	21.3	18.9	17.7	17.5	17.3	17.1	16.9	17.1	17.3	17.5
95°	29.0	28.7	28.4	33.3	43.5	53.7	63.8	73.9	63.8	53.7	43.5
97.5°	102.2	135.5	168.9	182.4	176.1	169.7	163.4	157.0	163.4	169.7	176.1
100°	141.6	182.9	224.1	242.0	236.7	231.3	226.0	220.5	226.0	231.3	236.7
102.5°	295.9	301.2	306.6	307.3	303.4	299.4	295.5	291.5	295.5	299.4	303.4
105°	416.6	415.1	413.6	412.0	410.2	408.3	406.5	404.7	406.5	408.3	410.2
107.5°	519.1	517.0	515.0	513.5	512.6	511.8	510.9	509.9	510.9	511.8	512.6
110°	589.4	587.6	585.9	584.5	583.6	582.7	581.8	580.9	581.8	582.7	583.6



TEST NUMBER: P333071-940

CATALOG NUMBER: S124RDIW-S795D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	659.2	658.3	657.5	656.2	654.6	653.0	651.4	649.8	651.4	653.0	654.6
115°	759.0	759.3	759.6	759.3	758.4	757.5	756.6	755.7	756.6	757.5	758.4
117.5°	858.3	857.6	856.9	856.0	854.8	853.6	852.4	851.2	852.4	853.6	854.8
120°	920.4	920.7	921.0	920.5	919.4	918.2	916.9	915.8	916.9	918.2	919.4
122.5°	980.3	979.9	979.5	978.9	978.1	977.4	976.7	976.0	976.7	977.4	978.1
125°	1066.2	1066.8	1067.4	1067.1	1066.0	1064.7	1063.5	1062.4	1063.5	1064.7	1066.0
127.5°	1148.9	1147.5	1146.1	1145.3	1145.0	1144.7	1144.4	1144.1	1144.4	1144.7	1145.0
130°	1200.4	1199.5	1198.6	1198.0	1197.7	1197.4	1197.1	1196.9	1197.1	1197.4	1197.7
132.5°	1250.4	1249.4	1248.2	1247.4	1246.9	1246.3	1245.7	1245.2	1245.7	1246.3	1246.9
135°	1319.5	1318.3	1317.1	1316.6	1317.0	1317.2	1317.5	1317.9	1317.5	1317.2	1317.0
137.5°	1386.0	1384.6	1383.3	1382.6	1382.5	1382.3	1382.2	1382.2	1382.2	1382.3	1382.5
140°	1428.3	1427.6	1427.1	1426.5	1425.8	1425.3	1424.7	1424.1	1424.7	1425.3	1425.8
142.5°	1467.5	1467.1	1466.8	1466.1	1465.0	1463.9	1462.8	1461.7	1462.8	1463.9	1465.0
145°	1523.6	1523.6	1523.6	1523.1	1522.2	1521.3	1520.5	1519.6	1520.5	1521.3	1522.2
147.5°	1572.4	1572.6	1572.9	1572.3	1570.6	1568.9	1567.2	1565.6	1567.2	1568.9	1570.6
150°	1603.6	1603.8	1604.1	1603.7	1602.5	1601.2	1600.1	1598.9	1600.1	1601.2	1602.5
152.5°	1629.8	1630.3	1630.9	1630.7	1629.7	1628.8	1627.8	1626.8	1627.8	1628.8	1629.7
155°	1665.3	1666.2	1667.1	1667.3	1667.1	1666.7	1666.4	1666.2	1666.4	1666.7	1667.1
157.5°	1695.9	1696.8	1697.9	1698.5	1698.7	1698.9	1699.1	1699.2	1699.1	1698.9	1698.7
160°	1713.8	1714.0	1714.4	1715.0	1715.9	1716.8	1717.7	1718.6	1717.7	1716.8	1715.9
162.5°	1729.9	1730.2	1730.5	1731.3	1732.4	1733.5	1734.6	1735.8	1734.6	1733.5	1732.4
165°	1750.9	1750.9	1750.9	1751.6	1753.1	1754.6	1756.0	1757.6	1756.0	1754.6	1753.1
167.5°	1767.4	1767.5	1767.7	1768.5	1770.1	1771.7	1773.3	1774.8	1773.3	1771.7	1770.1
170°	1777.2	1776.8	1776.6	1777.3	1779.1	1780.8	1782.7	1784.5	1782.7	1780.8	1779.1
172.5°	1783.6	1783.3	1783.0	1783.8	1785.6	1787.3	1789.1	1790.9	1789.1	1787.3	1785.6
175°	1790.6	1790.3	1790.0	1790.7	1792.5	1794.3	1796.1	1797.9	1796.1	1794.3	1792.5
177.5°	1794.8	1794.3	1793.9	1794.5	1796.1	1797.8	1799.5	1801.2	1799.5	1797.8	1796.1
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1155.8	1152.0	1147.1	1141.4	1134.6	1128.5	1125.9	1128.1	1129.3	1126.2	1125.9
5°	1120.6	1108.8	1099.3	1085.0	1073.7	1064.2	1057.6	1054.7	1055.7	1048.1	1046.2
7.5°	1081.1	1067.0	1051.5	1034.7	1018.9	1005.0	997.6	993.6	985.6	982.1	976.3
10°	1055.7	1036.7	1021.5	1001.6	983.6	967.0	958.9	952.3	944.2	940.4	932.4
12.5°	1029.5	1007.5	990.8	970.1	951.7	931.7	924.0	911.7	899.1	891.1	880.7
15°	992.6	966.1	945.7	921.0	899.2	876.4	856.0	833.2	824.7	806.7	796.3
17.5°	949.4	922.5	897.2	864.2	830.5	802.3	780.5	758.7	745.6	734.1	728.8
20°	921.0	896.3	861.2	822.8	785.3	754.0	736.5	722.3	708.0	700.0	694.3
22.5°	894.0	862.6	821.8	780.3	742.9	718.4	703.5	688.8	677.3	669.7	662.0
25°	848.9	807.6	764.5	717.0	691.4	670.1	654.0	642.1	635.0	625.1	621.3
27.5°	802.5	752.5	704.9	673.1	646.4	626.9	612.8	603.9	594.9	588.5	583.6
30°	766.9	716.1	673.4	643.1	616.1	599.9	588.5	578.1	571.0	565.8	562.0
32.5°	731.6	680.8	645.0	612.3	591.0	575.2	563.1	555.4	549.7	543.1	540.7
35°	680.6	635.5	604.2	574.8	552.9	538.8	529.2	521.2	516.5	514.5	513.1
37.5°	631.5	594.6	561.0	536.8	517.4	506.2	495.0	491.1	487.8	484.4	485.9
40°	600.4	565.8	535.9	510.3	494.6	482.3	475.6	470.9	468.1	468.1	468.1
42.5°	573.5	539.6	510.5	487.5	471.9	461.5	454.1	450.0	449.1	448.7	451.0
45°	531.6	500.3	470.9	451.9	438.6	428.2	424.0	420.6	420.6	422.6	423.0
47.5°	490.2	460.8	437.3	416.0	403.9	397.3	393.6	391.9	392.1	394.0	396.2
50°	464.8	435.9	412.6	393.6	382.3	376.0	372.7	371.8	372.7	372.7	376.0
52.5°	437.0	411.2	388.3	372.4	359.4	353.7	351.9	350.5	351.2	352.7	354.1
55°	396.5	373.3	351.4	336.3	326.7	323.0	318.7	319.1	318.3	319.1	319.1
57.5°	355.8	334.9	314.6	302.6	294.3	288.7	284.1	285.4	284.0	283.8	283.0
60°	329.6	306.8	290.7	279.8	270.3	265.6	261.3	262.3	260.8	259.8	258.0
62.5°	301.1	282.1	266.8	256.3	248.7	243.2	238.9	238.0	234.7	231.4	227.3
65°	259.8	244.2	230.5	220.5	213.4	209.1	205.8	203.0	195.8	188.2	184.5
67.5°	219.8	208.5	195.6	187.3	181.5	175.8	169.5	164.7	158.0	153.8	151.5
70°	193.9	183.1	172.2	164.1	157.9	152.8	145.6	142.3	137.5	135.6	133.2
72.5°	169.3	159.2	149.0	141.7	135.2	131.1	125.5	122.2	120.1	119.3	117.0
75°	131.9	123.8	116.2	109.6	104.3	101.5	99.2	96.8	95.8	91.5	89.2
77.5°	96.2	90.9	86.1	81.4	77.7	75.8	71.2	68.5	66.9	64.9	64.4
80°	74.9	71.2	66.4	63.6	58.3	56.4	54.6	54.0	53.6	53.1	52.6
82.5°	56.4	52.5	47.8	46.1	44.7	43.5	42.4	41.9	41.5	41.7	41.6
85°	28.4	26.6	26.6	26.1	25.6	25.1	24.7	24.7	24.2	24.7	24.2
87.5°	12.9	13.1	13.6	13.3	14.2	14.6	14.6	15.0	15.7	15.3	15.5
90°	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2	35.0	36.7	38.0
92.5°	17.7	18.9	21.3	23.7	26.1	28.5	30.3	32.1	33.9	35.7	36.6
95°	33.3	28.4	28.7	29.0	29.2	29.6	31.4	33.2	35.0	36.7	37.8
97.5°	182.4	168.9	135.5	102.2	68.8	35.5	35.7	35.8	36.0	36.2	36.5
100°	242.0	224.1	182.9	141.6	100.4	59.2	54.1	49.0	44.0	38.9	36.5
102.5°	307.3	306.6	301.2	295.9	290.4	285.1	230.2	175.5	120.6	65.9	38.5
105°	412.0	413.6	415.1	416.6	418.0	419.5	422.2	424.9	427.7	430.3	426.2
107.5°	513.5	515.0	517.0	519.1	521.0	523.1	524.4	525.8	527.1	528.3	529.6
110°	584.5	585.9	587.6	589.4	591.2	593.0	593.6	594.2	594.9	595.4	596.2



TEST NUMBER: P333071-940

CATALOG NUMBER: S124RDIW-S795D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	656.2	657.5	658.3	659.2	660.0	660.8	660.7	660.6	660.4	660.3	660.8
115°	759.3	759.6	759.3	759.0	758.8	758.4	759.0	759.6	760.2	760.8	761.2
117.5°	856.0	856.9	857.6	858.3	858.9	859.5	859.4	859.3	859.2	859.1	859.0
120°	920.5	921.0	920.7	920.4	920.1	919.8	920.4	921.0	921.6	922.2	922.2
122.5°	978.9	979.5	979.9	980.3	980.7	981.1	981.5	981.9	982.2	982.6	982.4
125°	1067.1	1067.4	1066.8	1066.2	1065.6	1065.1	1066.0	1066.8	1067.7	1068.6	1069.3
127.5°	1145.3	1146.1	1147.5	1148.9	1150.2	1151.6	1151.5	1151.3	1151.1	1150.9	1150.7
130°	1198.0	1198.6	1199.5	1200.4	1201.3	1202.2	1202.5	1202.8	1203.1	1203.4	1203.5
132.5°	1247.4	1248.2	1249.4	1250.4	1251.6	1252.8	1253.0	1253.4	1253.7	1253.9	1254.0
135°	1316.6	1317.1	1318.3	1319.5	1320.7	1321.9	1322.5	1323.0	1323.7	1324.3	1324.9
137.5°	1382.6	1383.3	1384.6	1386.0	1387.2	1388.6	1389.2	1389.9	1390.5	1391.2	1391.4
140°	1426.5	1427.1	1427.6	1428.3	1428.9	1429.4	1430.4	1431.3	1432.2	1433.1	1433.6
142.5°	1466.1	1466.8	1467.1	1467.5	1467.8	1468.2	1468.8	1469.5	1470.2	1470.8	1471.1
145°	1523.1	1523.6	1523.6	1523.6	1523.6	1523.6	1523.8	1524.2	1524.5	1524.7	1525.3
147.5°	1572.3	1572.9	1572.6	1572.4	1572.0	1571.7	1572.0	1572.2	1572.4	1572.7	1573.0
150°	1603.7	1604.1	1603.8	1603.6	1603.2	1602.9	1602.9	1602.9	1602.9	1602.9	1603.1
152.5°	1630.7	1630.9	1630.3	1629.8	1629.2	1628.7	1629.2	1629.7	1630.1	1630.7	1630.8
155°	1667.3	1667.1	1666.2	1665.3	1664.4	1663.4	1664.6	1665.8	1667.1	1668.2	1668.4
157.5°	1698.5	1697.9	1696.8	1695.9	1694.9	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0
160°	1715.0	1714.4	1714.0	1713.8	1713.5	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4
162.5°	1731.3	1730.5	1730.2	1729.9	1729.7	1729.3	1731.1	1733.0	1734.7	1736.5	1736.3
165°	1751.6	1750.9	1750.9	1750.9	1750.9	1750.9	1753.2	1755.6	1758.0	1760.4	1760.2
167.5°	1768.5	1767.7	1767.5	1767.4	1767.2	1767.0	1769.6	1772.3	1774.9	1777.5	1777.4
170°	1777.3	1776.6	1776.8	1777.2	1777.4	1777.7	1780.1	1782.5	1784.9	1787.3	1787.0
172.5°	1783.8	1783.0	1783.3	1783.6	1783.9	1784.2	1786.5	1789.0	1791.4	1793.8	1793.3
175°	1790.7	1790.0	1790.3	1790.6	1790.9	1791.2	1793.9	1796.5	1799.3	1802.0	1801.5
177.5°	1794.5	1793.9	1794.3	1794.8	1795.3	1795.7	1797.7	1799.6	1801.5	1803.4	1803.0
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333071-940

CATALOG NUMBER: S124RDIW-S795D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1123.6	1124.4	1121.7	1120.9	1121.7	1124.4	1123.6	1125.9	1126.2	1129.3	1128.1
5°	1042.4	1041.4	1039.1	1039.6	1039.1	1041.4	1042.4	1046.2	1048.1	1055.7	1054.7
7.5°	972.9	969.3	970.3	966.5	970.3	969.3	972.9	976.3	982.1	985.6	993.6
10°	930.5	925.2	921.0	917.2	921.0	925.2	930.5	932.4	940.4	944.2	952.3
12.5°	872.4	868.0	862.2	863.4	862.2	868.0	872.4	880.7	891.1	899.1	911.7
15°	790.1	783.0	771.6	773.0	771.6	783.0	790.1	796.3	806.7	824.7	833.2
17.5°	720.4	720.5	715.2	716.5	715.2	720.5	720.4	728.8	734.1	745.6	758.7
20°	684.3	681.0	681.4	680.1	681.4	681.0	684.3	694.3	700.0	708.0	722.3
22.5°	659.3	655.2	651.9	649.0	651.9	655.2	659.3	662.0	669.7	677.3	688.8
25°	617.0	614.1	609.8	608.9	609.8	614.1	617.0	621.3	625.1	635.0	642.1
27.5°	579.8	579.3	577.6	575.3	577.6	579.3	579.8	583.6	588.5	594.9	603.9
30°	558.2	557.2	556.2	554.8	556.2	557.2	558.2	562.0	565.8	571.0	578.1
32.5°	538.9	538.2	537.3	537.4	537.3	538.2	538.9	540.7	543.1	549.7	555.4
35°	511.2	510.8	509.8	509.3	509.8	510.8	511.2	513.1	514.5	516.5	521.2
37.5°	485.4	486.7	486.1	486.0	486.1	486.7	485.4	485.9	484.4	487.8	491.1
40°	467.6	468.1	469.0	468.6	469.0	468.1	467.6	468.1	468.1	468.1	470.9
42.5°	452.8	452.9	454.2	452.6	454.2	452.9	452.8	451.0	448.7	449.1	450.0
45°	426.3	429.2	428.7	428.7	428.7	429.2	426.3	423.0	422.6	420.6	420.6
47.5°	397.4	399.8	400.6	400.5	400.6	399.8	397.4	396.2	394.0	392.1	391.9
50°	378.4	377.5	378.9	378.4	378.9	377.5	378.4	376.0	372.7	372.7	371.8
52.5°	355.3	355.5	355.4	354.9	355.4	355.5	355.3	354.1	352.7	351.2	350.5
55°	319.7	320.1	319.1	319.7	319.1	320.1	319.7	319.1	319.1	318.3	319.1
57.5°	281.0	278.7	279.6	278.5	279.6	278.7	281.0	283.0	283.8	284.0	285.4
60°	253.2	249.4	248.5	246.6	248.5	249.4	253.2	258.0	259.8	260.8	262.3
62.5°	222.1	219.5	216.2	217.8	216.2	219.5	222.1	227.3	231.4	234.7	238.0
65°	180.7	178.8	177.4	179.2	177.4	178.8	180.7	184.5	188.2	195.8	203.0
67.5°	149.5	148.6	148.6	147.6	148.6	148.6	149.5	151.5	153.8	158.0	164.7
70°	133.2	131.9	131.9	130.9	131.9	131.9	133.2	133.2	135.6	137.5	142.3
72.5°	116.5	115.1	115.6	114.9	115.6	115.1	116.5	117.0	119.3	120.1	122.2
75°	86.3	83.9	83.9	84.4	83.9	83.9	86.3	89.2	91.5	95.8	96.8
77.5°	64.4	63.9	64.6	63.8	64.6	63.9	64.4	64.4	64.9	66.9	68.5
80°	52.6	52.2	51.7	53.1	51.7	52.2	52.6	52.6	53.1	53.6	54.0
82.5°	40.8	40.8	40.7	42.5	40.7	40.8	40.8	41.6	41.7	41.5	41.9
85°	24.7	23.7	24.7	23.7	24.7	23.7	24.7	24.2	24.7	24.2	24.7
87.5°	16.4	16.1	15.9	16.4	15.9	16.1	16.4	15.5	15.3	15.7	15.0
90°	38.5	39.1	39.8	40.3	39.8	39.1	38.5	38.0	36.7	35.0	33.2
92.5°	36.7	36.9	37.0	37.1	37.0	36.9	36.7	36.6	35.7	33.9	32.1
95°	38.1	38.4	38.7	39.0	38.7	38.4	38.1	37.8	36.7	35.0	33.2
97.5°	36.7	37.1	37.4	37.6	37.4	37.1	36.7	36.5	36.2	36.0	35.8
100°	36.7	37.1	37.4	37.6	37.4	37.1	36.7	36.5	38.9	44.0	49.0
102.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	65.9	120.6	175.5
105°	415.5	404.7	394.0	383.3	394.0	404.7	415.5	426.2	430.3	427.7	424.9
107.5°	530.7	531.8	533.0	534.1	533.0	531.8	530.7	529.6	528.3	527.1	525.8
110°	597.1	598.0	598.9	599.8	598.9	598.0	597.1	596.2	595.4	594.9	594.2



TEST NUMBER: P333071-940

CATALOG NUMBER: S124RDIW-S795D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	662.0	663.1	664.2	665.4	664.2	663.1	662.0	660.8	660.3	660.4	660.6
115°	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	760.8	760.2	759.6
117.5°	858.8	858.7	858.6	858.4	858.6	858.7	858.8	859.0	859.1	859.2	859.3
120°	921.6	921.0	920.4	919.8	920.4	921.0	921.6	922.2	922.2	921.6	921.0
122.5°	981.9	981.2	980.6	980.1	980.6	981.2	981.9	982.4	982.6	982.2	981.9
125°	1069.5	1069.8	1070.1	1070.4	1070.1	1069.8	1069.5	1069.3	1068.6	1067.7	1066.8
127.5°	1150.5	1150.2	1150.0	1149.8	1150.0	1150.2	1150.5	1150.7	1150.9	1151.1	1151.3
130°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.4	1203.1	1202.8
132.5°	1253.7	1253.5	1253.3	1253.0	1253.3	1253.5	1253.7	1254.0	1253.9	1253.7	1253.4
135°	1325.4	1326.1	1326.7	1327.2	1326.7	1326.1	1325.4	1324.9	1324.3	1323.7	1323.0
137.5°	1391.2	1391.1	1390.9	1390.7	1390.9	1391.1	1391.2	1391.4	1391.2	1390.5	1389.9
140°	1434.0	1434.2	1434.5	1434.9	1434.5	1434.2	1434.0	1433.6	1433.1	1432.2	1431.3
142.5°	1471.2	1471.3	1471.3	1471.4	1471.3	1471.3	1471.2	1471.1	1470.8	1470.2	1469.5
145°	1525.8	1526.4	1527.1	1527.6	1527.1	1526.4	1525.8	1525.3	1524.7	1524.5	1524.2
147.5°	1573.2	1573.5	1573.9	1574.1	1573.9	1573.5	1573.2	1573.0	1572.7	1572.4	1572.2
150°	1603.4	1603.7	1604.0	1604.3	1604.0	1603.7	1603.4	1603.1	1602.9	1602.9	1602.9
152.5°	1630.6	1630.4	1630.2	1630.0	1630.2	1630.4	1630.6	1630.8	1630.7	1630.1	1629.7
155°	1667.5	1666.6	1665.7	1664.8	1665.7	1666.6	1667.5	1668.4	1668.2	1667.1	1665.8
157.5°	1698.5	1696.9	1695.4	1693.8	1695.4	1696.9	1698.5	1700.0	1700.0	1698.5	1696.9
160°	1718.6	1716.8	1715.0	1713.2	1715.0	1716.8	1718.6	1720.4	1720.4	1718.6	1716.8
162.5°	1734.4	1732.3	1730.3	1728.2	1730.3	1732.3	1734.4	1736.3	1736.5	1734.7	1733.0
165°	1757.6	1754.9	1752.2	1749.5	1752.2	1754.9	1757.6	1760.2	1760.4	1758.0	1755.6
167.5°	1774.3	1771.4	1768.4	1765.4	1768.4	1771.4	1774.3	1777.4	1777.5	1774.9	1772.3
170°	1784.0	1781.0	1778.1	1775.0	1778.1	1781.0	1784.0	1787.0	1787.3	1784.9	1782.5
172.5°	1790.1	1786.9	1783.7	1780.4	1783.7	1786.9	1790.1	1793.3	1793.8	1791.4	1789.0
175°	1797.9	1794.3	1790.7	1787.2	1790.7	1794.3	1797.9	1801.5	1802.0	1799.3	1796.5
177.5°	1800.1	1797.2	1794.3	1791.4	1794.3	1797.2	1800.1	1803.0	1803.4	1801.5	1799.6
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



TEST NUMBER: P333071-940

CATALOG NUMBER: S124RDIW-S795D1560U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1125.9	1128.5	1134.6	1141.4	1147.1	1152.0	1155.8	1161.1	1166.1	1172.9	1179.4
5°	1057.6	1064.2	1073.7	1085.0	1099.3	1108.8	1120.6	1131.0	1146.2	1161.5	1176.2
7.5°	997.6	1005.0	1018.9	1034.7	1051.5	1067.0	1081.1	1099.5	1119.6	1141.7	1166.4
10°	958.9	967.0	983.6	1001.6	1021.5	1036.7	1055.7	1077.5	1100.3	1127.3	1157.6
12.5°	924.0	931.7	951.7	970.1	990.8	1007.5	1029.5	1051.7	1082.0	1111.3	1145.8
15°	856.0	876.4	899.2	921.0	945.7	966.1	992.6	1015.4	1044.3	1085.6	1124.9
17.5°	780.5	802.3	830.5	864.2	897.2	922.5	949.4	977.7	1012.1	1054.3	1099.7
20°	736.5	754.0	785.3	822.8	861.2	896.3	921.0	952.3	987.8	1033.4	1080.3
22.5°	703.5	718.4	742.9	780.3	821.8	862.6	894.0	925.0	964.3	1009.9	1061.0
25°	654.0	670.1	691.4	717.0	764.5	807.6	848.9	884.5	926.2	971.7	1028.7
27.5°	612.8	626.9	646.4	673.1	704.9	752.5	802.5	843.1	885.9	934.8	991.8
30°	588.5	599.9	616.1	643.1	673.4	716.1	766.9	814.3	857.5	908.2	967.4
32.5°	563.1	575.2	591.0	612.3	645.0	680.8	731.6	783.5	829.4	881.3	939.4
35°	529.2	538.8	552.9	574.8	604.2	635.5	680.6	734.1	782.5	838.0	893.5
37.5°	495.0	506.2	517.4	536.8	561.0	594.6	631.5	686.3	739.9	790.5	844.6
40°	475.6	482.3	494.6	510.3	535.9	565.8	600.4	654.0	707.6	757.9	812.3
42.5°	454.1	461.5	471.9	487.5	510.5	539.6	573.5	619.8	675.7	724.4	774.1
45°	424.0	428.2	438.6	451.9	470.9	500.3	531.6	572.9	625.5	672.0	715.6
47.5°	393.6	397.3	403.9	416.0	437.3	460.8	490.2	527.2	573.4	619.8	656.7
50°	372.7	376.0	382.3	393.6	412.6	435.9	464.8	497.9	539.2	583.8	614.7
52.5°	351.9	353.7	359.4	372.4	388.3	411.2	437.0	467.6	506.2	543.2	574.4
55°	318.7	323.0	326.7	336.3	351.4	373.3	396.5	425.4	455.3	486.6	513.1
57.5°	284.1	288.7	294.3	302.6	314.6	334.9	355.8	379.2	404.7	430.7	453.0
60°	261.3	265.6	270.3	279.8	290.7	306.8	329.6	350.0	369.4	393.2	415.4
62.5°	238.9	243.2	248.7	256.3	266.8	282.1	301.1	318.9	339.1	359.8	376.4
65°	205.8	209.1	213.4	220.5	230.5	244.2	259.8	273.7	291.7	306.8	322.0
67.5°	169.5	175.8	181.5	187.3	195.6	208.5	219.8	232.9	245.2	256.5	270.3
70°	145.6	152.8	157.9	164.1	172.2	183.1	193.9	203.0	212.9	223.8	236.2
72.5°	125.5	131.1	135.2	141.7	149.0	159.2	169.3	176.8	184.9	192.3	204.3
75°	99.2	101.5	104.3	109.6	116.2	123.8	131.9	138.5	143.2	149.9	158.4
77.5°	71.2	75.8	77.7	81.4	86.1	90.9	96.2	101.7	106.3	108.7	115.2
80°	54.6	56.4	58.3	63.6	66.4	71.2	74.9	80.2	82.0	84.4	90.6
82.5°	42.4	43.5	44.7	46.1	47.8	52.5	56.4	59.7	61.5	62.4	67.1
85°	24.7	25.1	25.6	26.1	26.6	26.6	28.4	30.9	34.2	34.2	35.6
87.5°	14.6	14.6	14.2	13.3	13.6	13.1	12.9	12.3	12.8	13.2	13.7
90°	31.4	29.6	27.2	24.8	22.4	20.1	17.2	13.9	10.6	7.3	4.0
92.5°	30.3	28.5	26.1	23.7	21.3	18.9	17.7	17.5	17.3	17.1	16.9
95°	31.4	29.6	29.2	29.0	28.7	28.4	33.3	43.5	53.7	63.8	73.9
97.5°	35.7	35.5	68.8	102.2	135.5	168.9	182.4	176.1	169.7	163.4	157.0
100°	54.1	59.2	100.4	141.6	182.9	224.1	242.0	236.7	231.3	226.0	220.5
102.5°	230.2	285.1	290.4	295.9	301.2	306.6	307.3	303.4	299.4	295.5	291.5
105°	422.2	419.5	418.0	416.6	415.1	413.6	412.0	410.2	408.3	406.5	404.7
107.5°	524.4	523.1	521.0	519.1	517.0	515.0	513.5	512.6	511.8	510.9	509.9
110°	593.6	593.0	591.2	589.4	587.6	585.9	584.5	583.6	582.7	581.8	580.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	660.7	660.8	660.0	659.2	658.3	657.5	656.2	654.6	653.0	651.4	649.8
115°	759.0	758.4	758.8	759.0	759.3	759.6	759.3	758.4	757.5	756.6	755.7
117.5°	859.4	859.5	858.9	858.3	857.6	856.9	856.0	854.8	853.6	852.4	851.2
120°	920.4	919.8	920.1	920.4	920.7	921.0	920.5	919.4	918.2	916.9	915.8
122.5°	981.5	981.1	980.7	980.3	979.9	979.5	978.9	978.1	977.4	976.7	976.0
125°	1066.0	1065.1	1065.6	1066.2	1066.8	1067.4	1067.1	1066.0	1064.7	1063.5	1062.4
127.5°	1151.5	1151.6	1150.2	1148.9	1147.5	1146.1	1145.3	1145.0	1144.7	1144.4	1144.1
130°	1202.5	1202.2	1201.3	1200.4	1199.5	1198.6	1198.0	1197.7	1197.4	1197.1	1196.9
132.5°	1253.0	1252.8	1251.6	1250.4	1249.4	1248.2	1247.4	1246.9	1246.3	1245.7	1245.2
135°	1322.5	1321.9	1320.7	1319.5	1318.3	1317.1	1316.6	1317.0	1317.2	1317.5	1317.9
137.5°	1389.2	1388.6	1387.2	1386.0	1384.6	1383.3	1382.6	1382.5	1382.3	1382.2	1382.2
140°	1430.4	1429.4	1428.9	1428.3	1427.6	1427.1	1426.5	1425.8	1425.3	1424.7	1424.1
142.5°	1468.8	1468.2	1467.8	1467.5	1467.1	1466.8	1466.1	1465.0	1463.9	1462.8	1461.7
145°	1523.8	1523.6	1523.6	1523.6	1523.6	1523.6	1523.1	1522.2	1521.3	1520.5	1519.6
147.5°	1572.0	1571.7	1572.0	1572.4	1572.6	1572.9	1572.3	1570.6	1568.9	1567.2	1565.6
150°	1602.9	1602.9	1603.2	1603.6	1603.8	1604.1	1603.7	1602.5	1601.2	1600.1	1598.9
152.5°	1629.2	1628.7	1629.2	1629.8	1630.3	1630.9	1630.7	1629.7	1628.8	1627.8	1626.8
155°	1664.6	1663.4	1664.4	1665.3	1666.2	1667.1	1667.3	1667.1	1666.7	1666.4	1666.2
157.5°	1695.4	1693.8	1694.9	1695.9	1696.8	1697.9	1698.5	1698.7	1698.9	1699.1	1699.2
160°	1715.0	1713.2	1713.5	1713.8	1714.0	1714.4	1715.0	1715.9	1716.8	1717.7	1718.6
162.5°	1731.1	1729.3	1729.7	1729.9	1730.2	1730.5	1731.3	1732.4	1733.5	1734.6	1735.8
165°	1753.2	1750.9	1750.9	1750.9	1750.9	1750.9	1751.6	1753.1	1754.6	1756.0	1757.6
167.5°	1769.6	1767.0	1767.2	1767.4	1767.5	1767.7	1768.5	1770.1	1771.7	1773.3	1774.8
170°	1780.1	1777.7	1777.4	1777.2	1776.8	1776.6	1777.3	1779.1	1780.8	1782.7	1784.5
172.5°	1786.5	1784.2	1783.9	1783.6	1783.3	1783.0	1783.8	1785.6	1787.3	1789.1	1790.9
175°	1793.9	1791.2	1790.9	1790.6	1790.3	1790.0	1790.7	1792.5	1794.3	1796.1	1797.9
177.5°	1797.7	1795.7	1795.3	1794.8	1794.3	1793.9	1794.5	1796.1	1797.8	1799.5	1801.2
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1184.3	1187.7	1191.5	1198.7	1204.8	1207.5	1212.7	1216.6	1215.4	1220.7	1229.8
5°	1188.9	1201.8	1216.5	1231.6	1248.7	1262.9	1274.3	1285.7	1294.7	1305.6	1321.7
7.5°	1188.2	1210.9	1235.7	1262.9	1290.9	1315.1	1337.5	1360.2	1380.5	1402.6	1431.5
10°	1185.2	1215.5	1246.3	1281.9	1317.4	1351.1	1381.4	1410.0	1437.0	1465.9	1502.4
12.5°	1181.7	1216.7	1253.9	1296.6	1341.0	1381.4	1417.1	1458.1	1492.0	1529.3	1571.5
15°	1166.6	1213.6	1264.4	1319.8	1373.0	1427.5	1476.3	1526.6	1573.5	1618.1	1671.2
17.5°	1149.4	1203.5	1263.4	1328.9	1392.8	1459.0	1517.0	1580.4	1628.4	1688.2	1737.5
20°	1135.3	1193.6	1257.7	1331.2	1403.7	1477.3	1541.3	1605.8	1659.8	1720.1	1782.7
22.5°	1118.3	1182.3	1251.6	1327.8	1403.7	1484.1	1555.0	1619.1	1686.0	1753.8	1818.4
25°	1090.7	1157.2	1230.7	1314.1	1401.4	1483.5	1559.3	1639.0	1711.1	1784.6	1842.5
27.5°	1057.0	1126.7	1204.2	1290.3	1379.8	1463.9	1553.3	1638.2	1710.7	1781.5	1831.9
30°	1030.0	1103.6	1178.0	1265.2	1358.3	1448.3	1544.2	1629.1	1705.4	1769.0	1797.4
32.5°	1002.4	1072.1	1148.8	1237.2	1332.4	1429.4	1524.4	1611.2	1681.9	1720.0	1720.7
35°	954.2	1019.6	1099.3	1186.1	1283.8	1389.1	1485.3	1570.7	1613.8	1617.2	1570.7
37.5°	901.6	961.7	1036.9	1123.7	1230.7	1335.5	1433.9	1490.8	1505.1	1456.9	1370.9
40°	864.1	919.5	992.1	1081.3	1187.5	1295.7	1385.3	1427.0	1411.8	1333.6	1237.8
42.5°	824.7	876.3	946.2	1034.2	1140.9	1250.1	1326.4	1348.9	1308.7	1218.3	1106.2
45°	760.2	807.6	876.9	965.5	1068.0	1170.5	1228.3	1216.9	1150.0	1042.9	917.2
47.5°	693.1	739.0	801.3	883.3	988.2	1076.7	1115.8	1081.5	986.3	868.4	766.2
50°	648.8	695.7	753.1	831.3	927.1	1012.5	1037.7	985.5	879.8	766.3	672.4
52.5°	605.1	645.2	701.5	777.1	868.7	940.8	954.2	894.0	784.9	683.3	600.0
55°	538.8	575.2	622.7	693.8	773.0	834.2	827.1	749.8	650.7	563.9	498.5
57.5°	474.6	502.0	545.8	612.5	682.1	723.1	697.1	631.2	538.9	467.8	412.6
60°	432.0	457.6	498.5	556.8	618.0	641.1	619.4	547.8	474.7	409.7	363.3
62.5°	391.8	414.4	449.5	503.6	553.0	566.9	543.5	481.0	415.2	359.6	321.2
65°	333.4	354.3	384.1	422.6	456.7	463.3	448.2	384.1	334.3	287.8	261.3
67.5°	280.4	294.0	317.4	350.5	368.7	372.6	343.2	303.0	259.1	230.6	210.5
70°	244.7	254.2	276.0	294.0	308.7	309.2	282.1	249.9	216.2	193.1	178.3
72.5°	210.2	219.3	235.8	248.2	259.4	255.7	231.0	205.5	178.3	160.8	149.9
75°	162.2	170.2	178.8	184.5	184.5	179.8	161.8	142.8	127.1	116.6	113.3
77.5°	117.9	124.6	127.4	126.5	124.8	117.4	106.0	93.6	88.0	83.1	80.6
80°	92.5	95.3	96.3	93.9	91.0	82.5	74.9	69.7	64.5	62.6	61.6
82.5°	68.6	71.1	68.6	69.2	63.0	56.0	51.8	50.0	47.8	47.1	46.1
85°	36.6	36.0	35.1	32.7	28.4	27.5	27.0	26.6	25.6	26.1	25.1
87.5°	14.0	13.5	12.7	12.9	13.5	13.2	14.1	14.5	15.0	15.0	16.1
90°	7.3	10.6	13.9	17.2	20.1	22.4	24.8	27.2	29.6	31.4	33.2
92.5°	17.1	17.3	17.5	17.7	18.9	21.3	23.7	26.1	28.5	30.3	32.1
95°	63.8	53.7	43.5	33.3	28.4	28.7	29.0	29.2	29.6	31.4	33.2
97.5°	163.4	169.7	176.1	182.4	168.9	135.5	102.2	68.8	35.5	35.7	35.8
100°	226.0	231.3	236.7	242.0	224.1	182.9	141.6	100.4	59.2	54.1	49.0
102.5°	295.5	299.4	303.4	307.3	306.6	301.2	295.9	290.4	285.1	230.2	175.5
105°	406.5	408.3	410.2	412.0	413.6	415.1	416.6	418.0	419.5	422.2	424.9
107.5°	510.9	511.8	512.6	513.5	515.0	517.0	519.1	521.0	523.1	524.4	525.8
110°	581.8	582.7	583.6	584.5	585.9	587.6	589.4	591.2	593.0	593.6	594.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	651.4	653.0	654.6	656.2	657.5	658.3	659.2	660.0	660.8	660.7	660.6
115°	756.6	757.5	758.4	759.3	759.6	759.3	759.0	758.8	758.4	759.0	759.6
117.5°	852.4	853.6	854.8	856.0	856.9	857.6	858.3	858.9	859.5	859.4	859.3
120°	916.9	918.2	919.4	920.5	921.0	920.7	920.4	920.1	919.8	920.4	921.0
122.5°	976.7	977.4	978.1	978.9	979.5	979.9	980.3	980.7	981.1	981.5	981.9
125°	1063.5	1064.7	1066.0	1067.1	1067.4	1066.8	1066.2	1065.6	1065.1	1066.0	1066.8
127.5°	1144.4	1144.7	1145.0	1145.3	1146.1	1147.5	1148.9	1150.2	1151.6	1151.5	1151.3
130°	1197.1	1197.4	1197.7	1198.0	1198.6	1199.5	1200.4	1201.3	1202.2	1202.5	1202.8
132.5°	1245.7	1246.3	1246.9	1247.4	1248.2	1249.4	1250.4	1251.6	1252.8	1253.0	1253.4
135°	1317.5	1317.2	1317.0	1316.6	1317.1	1318.3	1319.5	1320.7	1321.9	1322.5	1323.0
137.5°	1382.2	1382.3	1382.5	1382.6	1383.3	1384.6	1386.0	1387.2	1388.6	1389.2	1389.9
140°	1424.7	1425.3	1425.8	1426.5	1427.1	1427.6	1428.3	1428.9	1429.4	1430.4	1431.3
142.5°	1462.8	1463.9	1465.0	1466.1	1466.8	1467.1	1467.5	1467.8	1468.2	1468.8	1469.5
145°	1520.5	1521.3	1522.2	1523.1	1523.6	1523.6	1523.6	1523.6	1523.6	1523.8	1524.2
147.5°	1567.2	1568.9	1570.6	1572.3	1572.9	1572.6	1572.4	1572.0	1571.7	1572.0	1572.2
150°	1600.1	1601.2	1602.5	1603.7	1604.1	1603.8	1603.6	1603.2	1602.9	1602.9	1602.9
152.5°	1627.8	1628.8	1629.7	1630.7	1630.9	1630.3	1629.8	1629.2	1628.7	1629.2	1629.7
155°	1666.4	1666.7	1667.1	1667.3	1667.1	1666.2	1665.3	1664.4	1663.4	1664.6	1665.8
157.5°	1699.1	1698.9	1698.7	1698.5	1697.9	1696.8	1695.9	1694.9	1693.8	1695.4	1696.9
160°	1717.7	1716.8	1715.9	1715.0	1714.4	1714.0	1713.8	1713.5	1713.2	1715.0	1716.8
162.5°	1734.6	1733.5	1732.4	1731.3	1730.5	1730.2	1729.9	1729.7	1729.3	1731.1	1733.0
165°	1756.0	1754.6	1753.1	1751.6	1750.9	1750.9	1750.9	1750.9	1750.9	1753.2	1755.6
167.5°	1773.3	1771.7	1770.1	1768.5	1767.7	1767.5	1767.4	1767.2	1767.0	1769.6	1772.3
170°	1782.7	1780.8	1779.1	1777.3	1776.6	1776.8	1777.2	1777.4	1777.7	1780.1	1782.5
172.5°	1789.1	1787.3	1785.6	1783.8	1783.0	1783.3	1783.6	1783.9	1784.2	1786.5	1789.0
175°	1796.1	1794.3	1792.5	1790.7	1790.0	1790.3	1790.6	1790.9	1791.2	1793.9	1796.5
177.5°	1799.5	1797.8	1796.1	1794.5	1793.9	1794.3	1794.8	1795.3	1795.7	1797.7	1799.6
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1234.8	1236.3	1237.4	1241.2	1241.5	1245.0	1241.5
5°	1336.9	1343.5	1354.0	1364.4	1365.4	1372.0	1360.1
7.5°	1451.4	1466.9	1476.4	1493.3	1499.9	1504.1	1497.3
10°	1530.4	1544.6	1569.8	1582.1	1594.4	1596.3	1590.6
12.5°	1606.7	1629.2	1649.0	1672.4	1671.8	1688.5	1682.4
15°	1708.3	1731.4	1759.0	1785.0	1794.6	1794.6	1802.1
17.5°	1780.7	1823.3	1851.7	1872.2	1894.6	1898.5	1895.9
20°	1829.6	1875.6	1906.0	1932.5	1947.8	1952.0	1952.0
22.5°	1866.1	1905.2	1934.8	1958.7	1971.2	1976.3	1974.8
25°	1891.3	1924.9	1942.9	1950.1	1953.4	1952.5	1943.5
27.5°	1856.7	1855.2	1843.9	1822.0	1805.6	1795.6	1784.3
30°	1790.7	1766.1	1737.7	1706.3	1666.0	1635.2	1625.7
32.5°	1692.5	1637.1	1588.9	1536.8	1493.4	1462.6	1449.7
35°	1502.4	1414.7	1343.1	1280.5	1234.9	1206.5	1197.0
37.5°	1276.8	1191.9	1103.3	1042.6	1004.9	976.1	965.4
40°	1133.5	1041.0	963.7	906.8	867.9	839.9	839.5
42.5°	1002.6	914.3	841.5	800.5	758.6	740.1	740.0
45°	820.9	750.3	688.6	656.4	631.2	616.1	611.8
47.5°	679.7	621.3	580.1	554.5	534.0	524.3	518.1
50°	600.4	549.2	516.5	494.2	482.8	470.5	469.5
52.5°	534.4	493.0	467.5	449.4	435.0	427.6	427.8
55°	449.1	416.4	398.3	384.6	373.3	367.6	365.2
57.5°	378.4	353.8	340.7	328.1	323.2	318.8	317.5
60°	334.3	317.7	305.4	295.4	288.4	287.0	286.4
62.5°	297.9	280.5	272.1	264.3	259.1	256.9	256.1
65°	245.7	232.8	225.2	219.1	217.2	213.9	213.4
67.5°	198.0	190.4	185.3	181.1	178.5	178.3	178.3
70°	168.8	164.5	160.3	157.9	156.5	155.5	155.5
72.5°	143.8	140.6	137.1	135.9	135.6	134.6	134.3
75°	109.6	106.2	106.7	104.3	102.5	100.0	98.6
77.5°	77.7	75.3	74.8	74.5	72.9	72.7	73.4
80°	60.2	57.9	57.4	57.9	57.4	56.0	56.0
82.5°	45.8	43.8	43.3	43.1	42.6	43.1	42.3
85°	24.7	23.7	23.7	23.7	24.7	24.2	23.7
87.5°	15.7	15.7	16.3	16.1	16.1	15.9	16.4
90°	35.0	36.7	38.0	38.5	39.1	39.8	40.3
92.5°	33.9	35.7	36.6	36.7	36.9	37.0	37.1
95°	35.0	36.7	37.8	38.1	38.4	38.7	39.0
97.5°	36.0	36.2	36.5	36.7	37.1	37.4	37.6
100°	44.0	38.9	36.5	36.7	37.1	37.4	37.6
102.5°	120.6	65.9	38.5	38.5	38.6	38.7	38.7
105°	427.7	430.3	426.2	415.5	404.7	394.0	383.3
107.5°	527.1	528.3	529.6	530.7	531.8	533.0	534.1
110°	594.9	595.4	596.2	597.1	598.0	598.9	599.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	660.4	660.3	660.8	662.0	663.1	664.2	665.4
115°	760.2	760.8	761.2	761.2	761.2	761.2	761.2
117.5°	859.2	859.1	859.0	858.8	858.7	858.6	858.4
120°	921.6	922.2	922.2	921.6	921.0	920.4	919.8
122.5°	982.2	982.6	982.4	981.9	981.2	980.6	980.1
125°	1067.7	1068.6	1069.3	1069.5	1069.8	1070.1	1070.4
127.5°	1151.1	1150.9	1150.7	1150.5	1150.2	1150.0	1149.8
130°	1203.1	1203.4	1203.5	1203.5	1203.5	1203.5	1203.5
132.5°	1253.7	1253.9	1254.0	1253.7	1253.5	1253.3	1253.0
135°	1323.7	1324.3	1324.9	1325.4	1326.1	1326.7	1327.2
137.5°	1390.5	1391.2	1391.4	1391.2	1391.1	1390.9	1390.7
140°	1432.2	1433.1	1433.6	1434.0	1434.2	1434.5	1434.9
142.5°	1470.2	1470.8	1471.1	1471.2	1471.3	1471.3	1471.4
145°	1524.5	1524.7	1525.3	1525.8	1526.4	1527.1	1527.6
147.5°	1572.4	1572.7	1573.0	1573.2	1573.5	1573.9	1574.1
150°	1602.9	1602.9	1603.1	1603.4	1603.7	1604.0	1604.3
152.5°	1630.1	1630.7	1630.8	1630.6	1630.4	1630.2	1630.0
155°	1667.1	1668.2	1668.4	1667.5	1666.6	1665.7	1664.8
157.5°	1698.5	1700.0	1700.0	1698.5	1696.9	1695.4	1693.8
160°	1718.6	1720.4	1720.4	1718.6	1716.8	1715.0	1713.2
162.5°	1734.7	1736.5	1736.3	1734.4	1732.3	1730.3	1728.2
165°	1758.0	1760.4	1760.2	1757.6	1754.9	1752.2	1749.5
167.5°	1774.9	1777.5	1777.4	1774.3	1771.4	1768.4	1765.4
170°	1784.9	1787.3	1787.0	1784.0	1781.0	1778.1	1775.0
172.5°	1791.4	1793.8	1793.3	1790.1	1786.9	1783.7	1780.4
175°	1799.3	1802.0	1801.5	1797.9	1794.3	1790.7	1787.2
177.5°	1801.5	1803.4	1803.0	1800.1	1797.2	1794.3	1791.4
180°	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9	1797.9

(END OF REPORT)