

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: P332794

Luminaire Tested: **S124DIW-S795D1340U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332794
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S795D1340U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8199.6 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

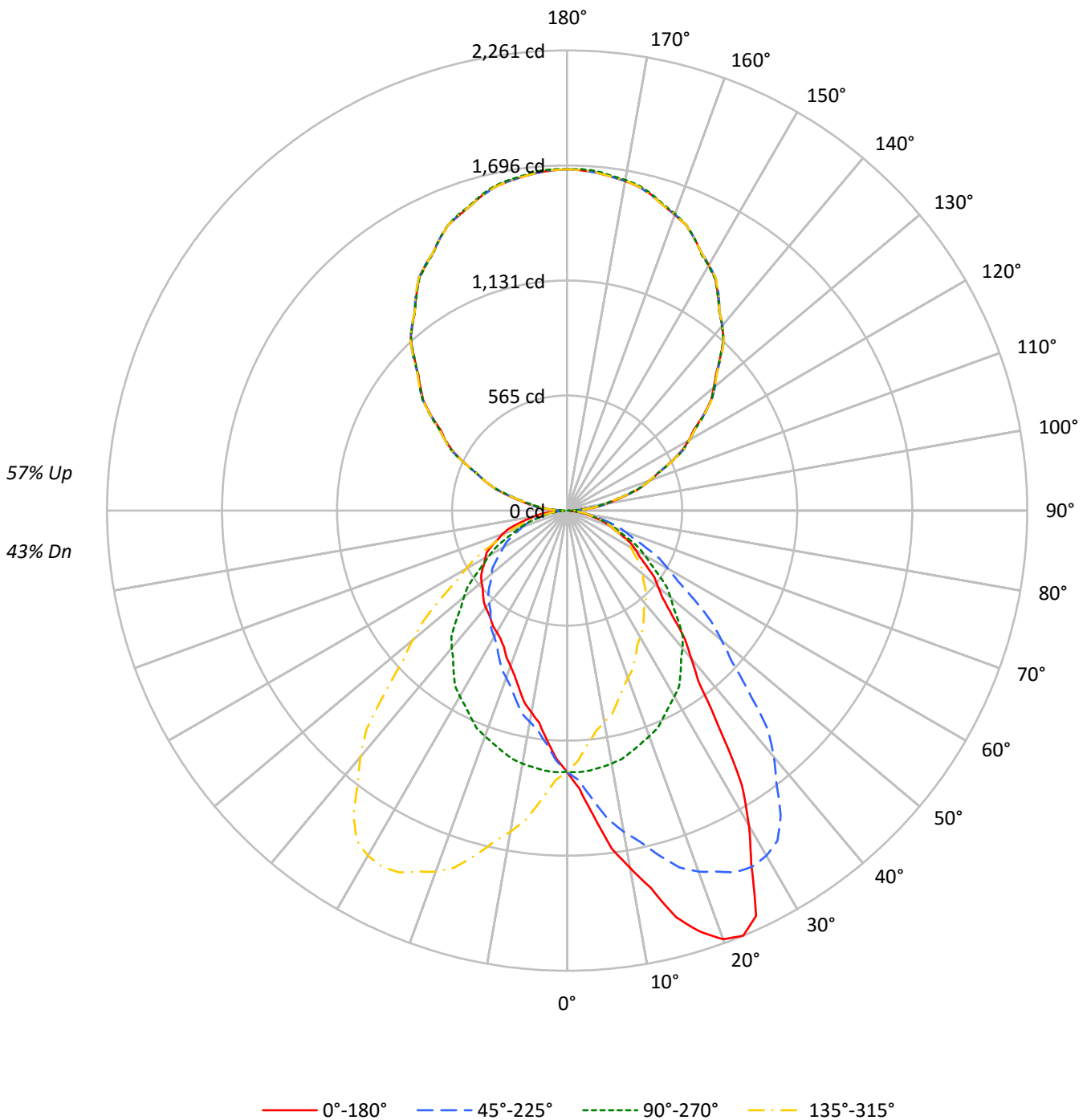
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	50	30	10	0													
RCR																																					
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43																			
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37																			
2	88	81	75	70	80	74	69	65	62	58	55	50	47	45	39	38	36	31																			
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31	27																			
4	74	63	55	49	67	58	51	46	48	43	39	40	36	33	31	29	27	23																			
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	28	26	23	20																			
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21	18																			
7	58	46	38	32	53	42	35	30	35	30	26	29	25	22	24	21	18	16																			
8	53	41	34	29	49	38	31	27	32	27	23	27	23	20	22	19	17	14																			
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13																			
10	46	35	27	23	42	32	26	21	27	22	19	23	19	16	19	16	14	12																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.5
10°-20°	385.5	4.7
20°-30°	611.3	7.5
30°-40°	680.3	8.3
40°-50°	619.3	7.6
50°-60°	506.1	6.2
60°-70°	361.3	4.4
70°-80°	198.9	2.4
80°-90°	59.3	0.7
90°-100°	110.6	1.3
100°-110°	327.6	4.0
110°-120°	556.1	6.8
120°-130°	733.3	8.9
130°-140°	823.5	10.0
140°-150°	809.2	9.9
150°-160°	680.6	8.3
160°-170°	452.8	5.5
170°-180°	158.6	1.9
0°-30°	1121.9	13.7
0°-40°	1802.3	22.0
0°-60°	2927.7	35.7
0°-90°	3547.2	43.3
90°-120°	994.3	12.1
90°-150°	3360.3	41.0
90°-180°	4652.0	56.7
0°-180°	8199.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	40
90°	39	4	39	4	39	21
95°	102	78	102	78	102	107
105°	316	302	316	302	316	333
115°	560	565	560	565	560	554
125°	817	824	817	824	817	729
135°	1063	1062	1063	1062	1063	821
145°	1292	1290	1292	1290	1292	808
155°	1477	1478	1477	1478	1477	680
165°	1606	1609	1606	1609	1606	452
175°	1666	1674	1666	1674	1666	158
180°	1677	1677	1677	1677	1677	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	17.1	18.3	18.2	18.5	19.2	19.4	19.5	18.7	20.1	20.2	21.4
90°	38.9	38.3	37.8	37.2	36.6	35.4	33.7	32.0	30.3	28.5	26.2
92.5°	57.6	57.2	56.9	56.5	56.2	55.5	54.5	53.4	52.4	51.4	49.7
95°	102.5	102.5	102.5	102.5	102.5	102.0	101.2	100.3	99.4	98.6	96.5
97.5°	160.6	160.6	160.6	160.6	160.6	160.0	159.0	158.0	156.9	155.9	153.5
100°	201.0	201.0	201.0	201.0	201.0	200.7	200.2	199.6	199.0	198.4	195.8
102.5°	246.7	246.4	246.2	246.0	245.7	245.2	244.4	243.6	242.8	242.0	239.6
105°	316.4	315.6	314.7	313.8	313.0	312.1	311.3	310.4	309.5	308.7	307.5
107.5°	384.4	384.5	384.5	384.6	384.6	384.3	383.4	382.6	381.8	381.0	380.9
110°	433.2	432.3	431.4	430.6	429.7	429.6	430.1	430.7	431.3	431.9	432.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	483.0	482.8	482.6	482.4	482.3	482.2	482.4	482.5	482.6	482.7	483.2
115°	560.3	560.5	560.8	561.1	561.4	561.7	562.0	562.3	562.6	562.8	563.4
117.5°	633.9	634.5	635.1	635.6	636.2	637.0	638.0	639.0	639.9	640.9	641.3
120°	689.9	689.4	688.8	688.2	687.6	688.1	689.5	691.0	692.4	693.8	694.7
122.5°	736.6	737.7	738.7	739.7	740.8	741.8	742.8	743.7	744.7	745.7	746.1
125°	817.0	817.6	818.2	818.8	819.3	819.9	820.5	821.1	821.6	822.2	822.5
127.5°	891.5	891.9	892.4	892.9	893.3	893.8	894.4	895.0	895.6	896.1	896.6
130°	940.2	941.4	942.5	943.7	944.9	945.7	946.3	946.9	947.4	948.0	948.0
132.5°	992.1	992.6	993.0	993.5	994.0	994.5	995.1	995.6	996.2	996.8	997.0
135°	1063.4	1064.3	1065.2	1066.0	1066.9	1067.6	1068.2	1068.8	1069.4	1069.9	1069.9
137.5°	1138.4	1138.2	1138.1	1137.9	1137.7	1138.0	1138.8	1139.5	1140.2	1141.0	1140.5
140°	1184.1	1184.3	1184.6	1184.9	1185.2	1185.5	1185.8	1186.1	1186.4	1186.6	1186.6
142.5°	1229.7	1229.8	1229.8	1229.9	1229.9	1230.0	1230.1	1230.1	1230.2	1230.2	1230.5
145°	1291.7	1292.6	1293.4	1294.3	1295.2	1295.7	1296.0	1296.3	1296.6	1296.9	1296.6
147.5°	1354.5	1354.8	1355.0	1355.3	1355.6	1355.9	1356.1	1356.3	1356.6	1356.8	1357.0
150°	1392.9	1393.1	1393.4	1393.7	1394.0	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1
152.5°	1428.1	1428.9	1429.6	1430.4	1431.1	1431.2	1430.5	1429.8	1429.1	1428.4	1428.2
155°	1477.2	1478.3	1479.5	1480.6	1481.8	1481.8	1480.6	1479.5	1478.3	1477.2	1477.4
157.5°	1521.0	1522.0	1522.9	1523.9	1524.9	1525.0	1524.1	1523.2	1522.4	1521.5	1521.6
160°	1545.9	1547.3	1548.8	1550.2	1551.6	1551.9	1551.1	1550.2	1549.3	1548.5	1548.8
162.5°	1571.8	1573.3	1574.7	1576.1	1577.6	1577.5	1576.0	1574.4	1572.9	1571.3	1571.6
165°	1605.5	1606.7	1607.8	1609.0	1610.2	1609.9	1608.1	1606.4	1604.7	1602.9	1603.5
167.5°	1629.7	1631.5	1633.2	1635.0	1636.8	1636.8	1635.1	1633.4	1631.7	1629.9	1629.9
170°	1643.2	1645.2	1647.2	1649.2	1651.2	1651.4	1649.6	1647.9	1646.2	1644.4	1644.2
172.5°	1654.6	1656.6	1658.6	1660.6	1662.6	1662.7	1660.7	1658.7	1656.8	1654.8	1654.8
175°	1666.5	1668.5	1670.5	1672.5	1674.6	1674.6	1672.5	1670.5	1668.5	1666.5	1666.8
177.5°	1672.7	1674.6	1676.4	1678.3	1680.1	1680.2	1678.6	1677.0	1675.4	1673.8	1673.8
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	21.0	20.9	20.0	17.8	15.9	14.0	12.9	11.8	12.9	14.0	15.0
90°	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	48.1	46.5	44.9	42.3	38.6	35.0	31.4	27.8	31.4	35.0	38.6
95°	94.5	92.5	90.5	88.2	85.6	83.0	80.4	77.8	80.4	83.0	85.6
97.5°	151.2	148.8	146.4	144.2	142.1	140.1	138.0	135.9	138.0	140.1	142.1
100°	193.2	190.6	188.0	186.2	185.0	183.9	182.7	181.6	182.7	183.9	185.0
102.5°	237.3	234.9	232.5	231.1	230.7	230.2	229.8	229.3	229.8	230.2	230.7
105°	306.4	305.2	304.0	303.3	303.0	302.8	302.5	302.2	302.5	302.8	303.0
107.5°	380.7	380.5	380.3	380.1	379.7	379.4	379.0	378.7	379.0	379.4	379.7
110°	432.4	432.7	433.0	432.9	432.3	431.7	431.1	430.6	431.1	431.7	432.3



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	483.7	484.3	484.8	485.0	484.9	484.7	484.6	484.5	484.6	484.7	484.9
115°	564.0	564.6	565.2	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
117.5°	641.7	642.1	642.5	642.6	642.4	642.2	641.9	641.7	641.9	642.2	642.4
120°	695.6	696.4	697.3	697.1	696.0	694.8	693.7	692.5	693.7	694.8	696.0
122.5°	746.5	746.9	747.3	747.3	746.8	746.4	745.9	745.4	745.9	746.4	746.8
125°	822.8	823.1	823.4	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5
127.5°	897.1	897.5	898.0	897.8	896.9	896.1	895.2	894.3	895.2	896.1	896.9
130°	948.0	948.0	948.0	947.6	946.7	945.9	945.0	944.1	945.0	945.9	946.7
132.5°	997.2	997.5	997.7	997.5	996.9	996.2	995.6	995.0	995.6	996.2	996.9
135°	1069.9	1069.9	1069.9	1069.1	1067.3	1065.6	1063.9	1062.1	1063.9	1065.6	1067.3
137.5°	1140.1	1139.6	1139.2	1138.5	1137.7	1136.9	1136.1	1135.3	1136.1	1136.9	1137.7
140°	1186.6	1186.6	1186.6	1186.4	1185.8	1185.2	1184.6	1184.1	1184.6	1185.2	1185.8
142.5°	1230.7	1230.9	1231.1	1231.0	1230.4	1229.8	1229.2	1228.7	1229.2	1229.8	1230.4
145°	1296.3	1296.0	1295.7	1295.0	1293.9	1292.7	1291.6	1290.4	1291.6	1292.7	1293.9
147.5°	1357.3	1357.5	1357.7	1357.1	1355.8	1354.4	1353.0	1351.6	1353.0	1354.4	1355.8
150°	1394.1	1394.1	1394.1	1393.6	1392.4	1391.3	1390.1	1389.0	1390.1	1391.3	1392.4
152.5°	1427.9	1427.7	1427.5	1427.0	1426.3	1425.6	1424.9	1424.2	1424.9	1425.6	1426.3
155°	1477.7	1478.0	1478.3	1478.4	1478.4	1478.4	1478.4	1478.4	1478.4	1478.4	1478.4
157.5°	1521.6	1521.7	1521.7	1522.0	1522.5	1523.1	1523.6	1524.1	1523.6	1523.1	1522.5
160°	1549.1	1549.3	1549.6	1549.9	1550.2	1550.5	1550.8	1551.1	1550.8	1550.5	1550.2
162.5°	1571.9	1572.2	1572.5	1573.0	1573.7	1574.5	1575.2	1576.0	1575.2	1574.5	1573.7
165°	1604.1	1604.7	1605.3	1606.0	1606.8	1607.7	1608.6	1609.4	1608.6	1607.7	1606.8
167.5°	1629.8	1629.8	1629.7	1630.3	1631.5	1632.7	1633.9	1635.1	1633.9	1632.7	1631.5
170°	1643.9	1643.6	1643.3	1643.9	1645.3	1646.8	1648.2	1649.6	1648.2	1646.8	1645.3
172.5°	1654.7	1654.7	1654.6	1655.2	1656.4	1657.6	1658.8	1660.0	1658.8	1657.6	1656.4
175°	1667.1	1667.4	1667.6	1668.5	1670.0	1671.4	1672.8	1674.3	1672.8	1671.4	1670.0
177.5°	1673.8	1673.8	1673.8	1674.3	1675.5	1676.6	1677.8	1678.9	1677.8	1676.6	1675.5
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	16.9	17.5	19.6	21.0	22.7	25.3	26.5	31.5	33.5	36.0	40.1
90°	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0	33.7	35.4	36.6
92.5°	42.3	44.9	46.5	48.1	49.7	51.4	52.4	53.4	54.5	55.5	56.2
95°	88.2	90.5	92.5	94.5	96.5	98.6	99.4	100.3	101.2	102.0	102.5
97.5°	144.2	146.4	148.8	151.2	153.5	155.9	156.9	158.0	159.0	160.0	160.6
100°	186.2	188.0	190.6	193.2	195.8	198.4	199.0	199.6	200.2	200.7	201.0
102.5°	231.1	232.5	234.9	237.3	239.6	242.0	242.8	243.6	244.4	245.2	245.7
105°	303.3	304.0	305.2	306.4	307.5	308.7	309.5	310.4	311.3	312.1	313.0
107.5°	380.1	380.3	380.5	380.7	380.9	381.0	381.8	382.6	383.4	384.3	384.6
110°	432.9	433.0	432.7	432.4	432.2	431.9	431.3	430.7	430.1	429.6	429.7



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	485.0	484.8	484.3	483.7	483.2	482.7	482.6	482.5	482.4	482.2	482.3
115°	565.4	565.2	564.6	564.0	563.4	562.8	562.6	562.3	562.0	561.7	561.4
117.5°	642.6	642.5	642.1	641.7	641.3	640.9	639.9	639.0	638.0	637.0	636.2
120°	697.1	697.3	696.4	695.6	694.7	693.8	692.4	691.0	689.5	688.1	687.6
122.5°	747.3	747.3	746.9	746.5	746.1	745.7	744.7	743.7	742.8	741.8	740.8
125°	823.5	823.4	823.1	822.8	822.5	822.2	821.6	821.1	820.5	819.9	819.3
127.5°	897.8	898.0	897.5	897.1	896.6	896.1	895.6	895.0	894.4	893.8	893.3
130°	947.6	948.0	948.0	948.0	948.0	948.0	947.4	946.9	946.3	945.7	944.9
132.5°	997.5	997.7	997.5	997.2	997.0	996.8	996.2	995.6	995.1	994.5	994.0
135°	1069.1	1069.9	1069.9	1069.9	1069.9	1069.9	1069.4	1068.8	1068.2	1067.6	1066.9
137.5°	1138.5	1139.2	1139.6	1140.1	1140.5	1141.0	1140.2	1139.5	1138.8	1138.0	1137.7
140°	1186.4	1186.6	1186.6	1186.6	1186.6	1186.6	1186.4	1186.1	1185.8	1185.5	1185.2
142.5°	1231.0	1231.1	1230.9	1230.7	1230.5	1230.2	1230.2	1230.1	1230.1	1230.0	1229.9
145°	1295.0	1295.7	1296.0	1296.3	1296.6	1296.9	1296.6	1296.3	1296.0	1295.7	1295.2
147.5°	1357.1	1357.7	1357.5	1357.3	1357.0	1356.8	1356.6	1356.3	1356.1	1355.9	1355.6
150°	1393.6	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.0
152.5°	1427.0	1427.5	1427.7	1427.9	1428.2	1428.4	1429.1	1429.8	1430.5	1431.2	1431.1
155°	1478.4	1478.3	1478.0	1477.7	1477.4	1477.2	1478.3	1479.5	1480.6	1481.8	1481.8
157.5°	1522.0	1521.7	1521.7	1521.6	1521.6	1521.5	1522.4	1523.2	1524.1	1525.0	1524.9
160°	1549.9	1549.6	1549.3	1549.1	1548.8	1548.5	1549.3	1550.2	1551.1	1551.9	1551.6
162.5°	1573.0	1572.5	1572.2	1571.9	1571.6	1571.3	1572.9	1574.4	1576.0	1577.5	1577.6
165°	1606.0	1605.3	1604.7	1604.1	1603.5	1602.9	1604.7	1606.4	1608.1	1609.9	1610.2
167.5°	1630.3	1629.7	1629.8	1629.8	1629.9	1629.9	1631.7	1633.4	1635.1	1636.8	1636.8
170°	1643.9	1643.3	1643.6	1643.9	1644.2	1644.4	1646.2	1647.9	1649.6	1651.4	1651.2
172.5°	1655.2	1654.6	1654.7	1654.7	1654.8	1654.8	1656.8	1658.7	1660.7	1662.7	1662.6
175°	1668.5	1667.6	1667.4	1667.1	1666.8	1666.5	1668.5	1670.5	1672.5	1674.6	1674.6
177.5°	1674.3	1673.8	1673.8	1673.8	1673.8	1673.8	1675.4	1677.0	1678.6	1680.2	1680.1
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	41.5	42.0	43.4	44.4	43.4	42.0	41.5	40.1	36.0	33.5	31.5
90°	37.2	37.8	38.3	38.9	38.3	37.8	37.2	36.6	35.4	33.7	32.0
92.5°	56.5	56.9	57.2	57.6	57.2	56.9	56.5	56.2	55.5	54.5	53.4
95°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.0	101.2	100.3
97.5°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.0	159.0	158.0
100°	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	200.7	200.2	199.6
102.5°	246.0	246.2	246.4	246.7	246.4	246.2	246.0	245.7	245.2	244.4	243.6
105°	313.8	314.7	315.6	316.4	315.6	314.7	313.8	313.0	312.1	311.3	310.4
107.5°	384.6	384.5	384.5	384.4	384.5	384.5	384.6	384.6	384.3	383.4	382.6
110°	430.6	431.4	432.3	433.2	432.3	431.4	430.6	429.7	429.6	430.1	430.7



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	482.4	482.6	482.8	483.0	482.8	482.6	482.4	482.3	482.2	482.4	482.5
115°	561.1	560.8	560.5	560.3	560.5	560.8	561.1	561.4	561.7	562.0	562.3
117.5°	635.6	635.1	634.5	633.9	634.5	635.1	635.6	636.2	637.0	638.0	639.0
120°	688.2	688.8	689.4	689.9	689.4	688.8	688.2	687.6	688.1	689.5	691.0
122.5°	739.7	738.7	737.7	736.6	737.7	738.7	739.7	740.8	741.8	742.8	743.7
125°	818.8	818.2	817.6	817.0	817.6	818.2	818.8	819.3	819.9	820.5	821.1
127.5°	892.9	892.4	891.9	891.5	891.9	892.4	892.9	893.3	893.8	894.4	895.0
130°	943.7	942.5	941.4	940.2	941.4	942.5	943.7	944.9	945.7	946.3	946.9
132.5°	993.5	993.0	992.6	992.1	992.6	993.0	993.5	994.0	994.5	995.1	995.6
135°	1066.0	1065.2	1064.3	1063.4	1064.3	1065.2	1066.0	1066.9	1067.6	1068.2	1068.8
137.5°	1137.9	1138.1	1138.2	1138.4	1138.2	1138.1	1137.9	1137.7	1138.0	1138.8	1139.5
140°	1184.9	1184.6	1184.3	1184.1	1184.3	1184.6	1184.9	1185.2	1185.5	1185.8	1186.1
142.5°	1229.9	1229.8	1229.8	1229.7	1229.8	1229.8	1229.9	1229.9	1230.0	1230.1	1230.1
145°	1294.3	1293.4	1292.6	1291.7	1292.6	1293.4	1294.3	1295.2	1295.7	1296.0	1296.3
147.5°	1355.3	1355.0	1354.8	1354.5	1354.8	1355.0	1355.3	1355.6	1355.9	1356.1	1356.3
150°	1393.7	1393.4	1393.1	1392.9	1393.1	1393.4	1393.7	1394.0	1394.1	1394.1	1394.1
152.5°	1430.4	1429.6	1428.9	1428.1	1428.9	1429.6	1430.4	1431.1	1431.2	1430.5	1429.8
155°	1480.6	1479.5	1478.3	1477.2	1478.3	1479.5	1480.6	1481.8	1481.8	1480.6	1479.5
157.5°	1523.9	1522.9	1522.0	1521.0	1522.0	1522.9	1523.9	1524.9	1525.0	1524.1	1523.2
160°	1550.2	1548.8	1547.3	1545.9	1547.3	1548.8	1550.2	1551.6	1551.9	1551.1	1550.2
162.5°	1576.1	1574.7	1573.3	1571.8	1573.3	1574.7	1576.1	1577.6	1577.5	1576.0	1574.4
165°	1609.0	1607.8	1606.7	1605.5	1606.7	1607.8	1609.0	1610.2	1609.9	1608.1	1606.4
167.5°	1635.0	1633.2	1631.5	1629.7	1631.5	1633.2	1635.0	1636.8	1636.8	1635.1	1633.4
170°	1649.2	1647.2	1645.2	1643.2	1645.2	1647.2	1649.2	1651.2	1651.4	1649.6	1647.9
172.5°	1660.6	1658.6	1656.6	1654.6	1656.6	1658.6	1660.6	1662.6	1662.7	1660.7	1658.7
175°	1672.5	1670.5	1668.5	1666.5	1668.5	1670.5	1672.5	1674.6	1674.6	1672.5	1670.5
177.5°	1678.3	1676.4	1674.6	1672.7	1674.6	1676.4	1678.3	1680.1	1680.2	1678.6	1677.0
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	26.5	25.3	22.7	21.0	19.6	17.5	16.9	15.0	14.0	12.9	11.8
90°	30.3	28.5	26.2	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9
92.5°	52.4	51.4	49.7	48.1	46.5	44.9	42.3	38.6	35.0	31.4	27.8
95°	99.4	98.6	96.5	94.5	92.5	90.5	88.2	85.6	83.0	80.4	77.8
97.5°	156.9	155.9	153.5	151.2	148.8	146.4	144.2	142.1	140.1	138.0	135.9
100°	199.0	198.4	195.8	193.2	190.6	188.0	186.2	185.0	183.9	182.7	181.6
102.5°	242.8	242.0	239.6	237.3	234.9	232.5	231.1	230.7	230.2	229.8	229.3
105°	309.5	308.7	307.5	306.4	305.2	304.0	303.3	303.0	302.8	302.5	302.2
107.5°	381.8	381.0	380.9	380.7	380.5	380.3	380.1	379.7	379.4	379.0	378.7
110°	431.3	431.9	432.2	432.4	432.7	433.0	432.9	432.3	431.7	431.1	430.6



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	482.6	482.7	483.2	483.7	484.3	484.8	485.0	484.9	484.7	484.6	484.5
115°	562.6	562.8	563.4	564.0	564.6	565.2	565.4	565.4	565.4	565.4	565.4
117.5°	639.9	640.9	641.3	641.7	642.1	642.5	642.6	642.4	642.2	641.9	641.7
120°	692.4	693.8	694.7	695.6	696.4	697.3	697.1	696.0	694.8	693.7	692.5
122.5°	744.7	745.7	746.1	746.5	746.9	747.3	747.3	746.8	746.4	745.9	745.4
125°	821.6	822.2	822.5	822.8	823.1	823.4	823.5	823.5	823.5	823.5	823.5
127.5°	895.6	896.1	896.6	897.1	897.5	898.0	897.8	896.9	896.1	895.2	894.3
130°	947.4	948.0	948.0	948.0	948.0	948.0	947.6	946.7	945.9	945.0	944.1
132.5°	996.2	996.8	997.0	997.2	997.5	997.7	997.5	996.9	996.2	995.6	995.0
135°	1069.4	1069.9	1069.9	1069.9	1069.9	1069.9	1069.1	1067.3	1065.6	1063.9	1062.1
137.5°	1140.2	1141.0	1140.5	1140.1	1139.6	1139.2	1138.5	1137.7	1136.9	1136.1	1135.3
140°	1186.4	1186.6	1186.6	1186.6	1186.6	1186.6	1186.4	1185.8	1185.2	1184.6	1184.1
142.5°	1230.2	1230.2	1230.5	1230.7	1230.9	1231.1	1231.0	1230.4	1229.8	1229.2	1228.7
145°	1296.6	1296.9	1296.6	1296.3	1296.0	1295.7	1295.0	1293.9	1292.7	1291.6	1290.4
147.5°	1356.6	1356.8	1357.0	1357.3	1357.5	1357.7	1357.1	1355.8	1354.4	1353.0	1351.6
150°	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1393.6	1392.4	1391.3	1390.1	1389.0
152.5°	1429.1	1428.4	1428.2	1427.9	1427.7	1427.5	1427.0	1426.3	1425.6	1424.9	1424.2
155°	1478.3	1477.2	1477.4	1477.7	1478.0	1478.3	1478.4	1478.4	1478.4	1478.4	1478.4
157.5°	1522.4	1521.5	1521.6	1521.6	1521.7	1521.7	1522.0	1522.5	1523.1	1523.6	1524.1
160°	1549.3	1548.5	1548.8	1549.1	1549.3	1549.6	1549.9	1550.2	1550.5	1550.8	1551.1
162.5°	1572.9	1571.3	1571.6	1571.9	1572.2	1572.5	1573.0	1573.7	1574.5	1575.2	1576.0
165°	1604.7	1602.9	1603.5	1604.1	1604.7	1605.3	1606.0	1606.8	1607.7	1608.6	1609.4
167.5°	1631.7	1629.9	1629.9	1629.8	1629.8	1629.7	1630.3	1631.5	1632.7	1633.9	1635.1
170°	1646.2	1644.4	1644.2	1643.9	1643.6	1643.3	1643.9	1645.3	1646.8	1648.2	1649.6
172.5°	1656.8	1654.8	1654.8	1654.7	1654.7	1654.6	1655.2	1656.4	1657.6	1658.8	1660.0
175°	1668.5	1666.5	1666.8	1667.1	1667.4	1667.6	1668.5	1670.0	1671.4	1672.8	1674.3
177.5°	1675.4	1673.8	1673.8	1673.8	1673.8	1673.8	1674.3	1675.5	1676.6	1677.8	1678.9
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



TEST NUMBER: P332794

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.9	14.0	15.9	17.8	20.0	20.9	21.0	21.4	20.2	20.1	18.7
90°	7.1	10.2	13.4	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0
92.5°	31.4	35.0	38.6	42.3	44.9	46.5	48.1	49.7	51.4	52.4	53.4
95°	80.4	83.0	85.6	88.2	90.5	92.5	94.5	96.5	98.6	99.4	100.3
97.5°	138.0	140.1	142.1	144.2	146.4	148.8	151.2	153.5	155.9	156.9	158.0
100°	182.7	183.9	185.0	186.2	188.0	190.6	193.2	195.8	198.4	199.0	199.6
102.5°	229.8	230.2	230.7	231.1	232.5	234.9	237.3	239.6	242.0	242.8	243.6
105°	302.5	302.8	303.0	303.3	304.0	305.2	306.4	307.5	308.7	309.5	310.4
107.5°	379.0	379.4	379.7	380.1	380.3	380.5	380.7	380.9	381.0	381.8	382.6
110°	431.1	431.7	432.3	432.9	433.0	432.7	432.4	432.2	431.9	431.3	430.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.6	484.7	484.9	485.0	484.8	484.3	483.7	483.2	482.7	482.6	482.5
115°	565.4	565.4	565.4	565.4	565.2	564.6	564.0	563.4	562.8	562.6	562.3
117.5°	641.9	642.2	642.4	642.6	642.5	642.1	641.7	641.3	640.9	639.9	639.0
120°	693.7	694.8	696.0	697.1	697.3	696.4	695.6	694.7	693.8	692.4	691.0
122.5°	745.9	746.4	746.8	747.3	747.3	746.9	746.5	746.1	745.7	744.7	743.7
125°	823.5	823.5	823.5	823.5	823.4	823.1	822.8	822.5	822.2	821.6	821.1
127.5°	895.2	896.1	896.9	897.8	898.0	897.5	897.1	896.6	896.1	895.6	895.0
130°	945.0	945.9	946.7	947.6	948.0	948.0	948.0	948.0	948.0	947.4	946.9
132.5°	995.6	996.2	996.9	997.5	997.7	997.5	997.2	997.0	996.8	996.2	995.6
135°	1063.9	1065.6	1067.3	1069.1	1069.9	1069.9	1069.9	1069.9	1069.9	1069.4	1068.8
137.5°	1136.1	1136.9	1137.7	1138.5	1139.2	1139.6	1140.1	1140.5	1141.0	1140.2	1139.5
140°	1184.6	1185.2	1185.8	1186.4	1186.6	1186.6	1186.6	1186.6	1186.6	1186.4	1186.1
142.5°	1229.2	1229.8	1230.4	1231.0	1231.1	1230.9	1230.7	1230.5	1230.2	1230.2	1230.1
145°	1291.6	1292.7	1293.9	1295.0	1295.7	1296.0	1296.3	1296.6	1296.9	1296.6	1296.3
147.5°	1353.0	1354.4	1355.8	1357.1	1357.7	1357.5	1357.3	1357.0	1356.8	1356.6	1356.3
150°	1390.1	1391.3	1392.4	1393.6	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1
152.5°	1424.9	1425.6	1426.3	1427.0	1427.5	1427.7	1427.9	1428.2	1428.4	1429.1	1429.8
155°	1478.4	1478.4	1478.4	1478.4	1478.3	1478.0	1477.7	1477.4	1477.2	1478.3	1479.5
157.5°	1523.6	1523.1	1522.5	1522.0	1521.7	1521.7	1521.6	1521.6	1521.5	1522.4	1523.2
160°	1550.8	1550.5	1550.2	1549.9	1549.6	1549.3	1549.1	1548.8	1548.5	1549.3	1550.2
162.5°	1575.2	1574.5	1573.7	1573.0	1572.5	1572.2	1571.9	1571.6	1571.3	1572.9	1574.4
165°	1608.6	1607.7	1606.8	1606.0	1605.3	1604.7	1604.1	1603.5	1602.9	1604.7	1606.4
167.5°	1633.9	1632.7	1631.5	1630.3	1629.7	1629.8	1629.8	1629.9	1629.9	1631.7	1633.4
170°	1648.2	1646.8	1645.3	1643.9	1643.3	1643.6	1643.9	1644.2	1644.4	1646.2	1647.9
172.5°	1658.8	1657.6	1656.4	1655.2	1654.6	1654.7	1654.7	1654.8	1654.8	1656.8	1658.7
175°	1672.8	1671.4	1670.0	1668.5	1667.6	1667.4	1667.1	1666.8	1666.5	1668.5	1670.5
177.5°	1677.8	1676.6	1675.5	1674.3	1673.8	1673.8	1673.8	1673.8	1673.8	1675.4	1677.0
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	19.5	19.4	19.2	18.5	18.2	18.3	17.1
90°	33.7	35.4	36.6	37.2	37.8	38.3	38.9
92.5°	54.5	55.5	56.2	56.5	56.9	57.2	57.6
95°	101.2	102.0	102.5	102.5	102.5	102.5	102.5
97.5°	159.0	160.0	160.6	160.6	160.6	160.6	160.6
100°	200.2	200.7	201.0	201.0	201.0	201.0	201.0
102.5°	244.4	245.2	245.7	246.0	246.2	246.4	246.7
105°	311.3	312.1	313.0	313.8	314.7	315.6	316.4
107.5°	383.4	384.3	384.6	384.6	384.5	384.5	384.4
110°	430.1	429.6	429.7	430.6	431.4	432.3	433.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.4	482.2	482.3	482.4	482.6	482.8	483.0
115°	562.0	561.7	561.4	561.1	560.8	560.5	560.3
117.5°	638.0	637.0	636.2	635.6	635.1	634.5	633.9
120°	689.5	688.1	687.6	688.2	688.8	689.4	689.9
122.5°	742.8	741.8	740.8	739.7	738.7	737.7	736.6
125°	820.5	819.9	819.3	818.8	818.2	817.6	817.0
127.5°	894.4	893.8	893.3	892.9	892.4	891.9	891.5
130°	946.3	945.7	944.9	943.7	942.5	941.4	940.2
132.5°	995.1	994.5	994.0	993.5	993.0	992.6	992.1
135°	1068.2	1067.6	1066.9	1066.0	1065.2	1064.3	1063.4
137.5°	1138.8	1138.0	1137.7	1137.9	1138.1	1138.2	1138.4
140°	1185.8	1185.5	1185.2	1184.9	1184.6	1184.3	1184.1
142.5°	1230.1	1230.0	1229.9	1229.9	1229.8	1229.8	1229.7
145°	1296.0	1295.7	1295.2	1294.3	1293.4	1292.6	1291.7
147.5°	1356.1	1355.9	1355.6	1355.3	1355.0	1354.8	1354.5
150°	1394.1	1394.1	1394.0	1393.7	1393.4	1393.1	1392.9
152.5°	1430.5	1431.2	1431.1	1430.4	1429.6	1428.9	1428.1
155°	1480.6	1481.8	1481.8	1480.6	1479.5	1478.3	1477.2
157.5°	1524.1	1525.0	1524.9	1523.9	1522.9	1522.0	1521.0
160°	1551.1	1551.9	1551.6	1550.2	1548.8	1547.3	1545.9
162.5°	1576.0	1577.5	1577.6	1576.1	1574.7	1573.3	1571.8
165°	1608.1	1609.9	1610.2	1609.0	1607.8	1606.7	1605.5
167.5°	1635.1	1636.8	1636.8	1635.0	1633.2	1631.5	1629.7
170°	1649.6	1651.4	1651.2	1649.2	1647.2	1645.2	1643.2
172.5°	1660.7	1662.7	1662.6	1660.6	1658.6	1656.6	1654.6
175°	1672.5	1674.6	1674.6	1672.5	1670.5	1668.5	1666.5
177.5°	1678.6	1680.2	1680.1	1678.3	1676.4	1674.6	1672.7
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9

(END OF REPORT)