

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: P332800

Luminaire Tested: **S124DIW-S795D1560U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332800  
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-S795D1560U835-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8957.1 lumens  
Efficiency: N/A  
Efficacy: 131.5 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: Semi-Indirect

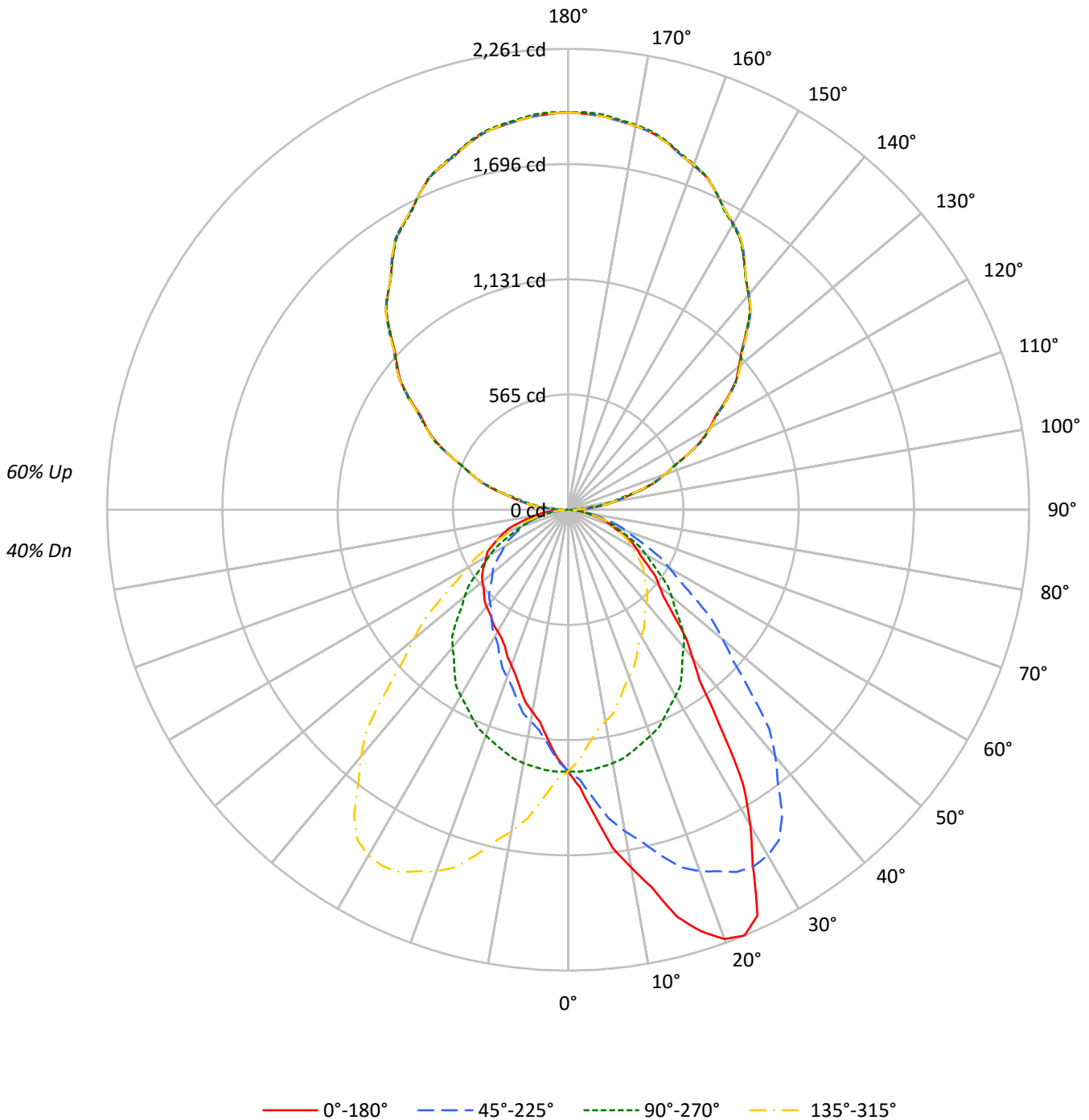
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	49	45	42	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11

**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	1.4
10°-20°	385.5	4.3
20°-30°	611.3	6.8
30°-40°	680.3	7.6
40°-50°	619.3	6.9
50°-60°	506.1	5.6
60°-70°	361.3	4.0
70°-80°	198.9	2.2
80°-90°	60.1	0.7
90°-100°	128.6	1.4
100°-110°	380.9	4.3
110°-120°	646.6	7.2
120°-130°	852.5	9.5
130°-140°	957.5	10.7
140°-150°	940.9	10.5
150°-160°	791.3	8.8
160°-170°	526.5	5.9
170°-180°	184.4	2.1
0°-30°	1121.9	12.5
0°-40°	1802.3	20.1
0°-60°	2927.7	32.7
0°-90°	3548.0	39.6
90°-120°	1156.1	12.9
90°-150°	3906.9	43.6
90°-180°	5409.0	60.4
0°-180°	8957.1	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°	45	4	45	4	45	24
95°	119	90	119	90	119	124
105°	368	351	368	351	368	388
115°	651	657	651	657	651	644
125°	950	958	950	958	950	847
135°	1236	1235	1236	1235	1236	955
145°	1502	1500	1502	1500	1502	940
155°	1717	1719	1717	1719	1717	791
165°	1867	1871	1867	1871	1867	526
175°	1938	1947	1938	1947	1938	184
180°	1950	1950	1950	1950	1950	



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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°	18.4	19.5	19.4	19.7	20.4	20.6	20.6	19.8	21.1	21.1	22.3
90°	45.2	44.6	43.9	43.2	42.6	41.2	39.2	37.2	35.2	33.2	30.5
92.5°	66.9	66.5	66.1	65.7	65.3	64.5	63.3	62.1	60.9	59.7	57.8
95°	119.1	119.1	119.1	119.1	119.1	118.6	117.6	116.6	115.6	114.6	112.3
97.5°	186.7	186.7	186.7	186.7	186.7	186.1	184.9	183.7	182.4	181.2	178.5
100°	233.7	233.7	233.7	233.7	233.7	233.4	232.7	232.0	231.4	230.7	227.7
102.5°	286.8	286.5	286.3	286.0	285.7	285.1	284.2	283.2	282.3	281.4	278.6
105°	367.9	366.9	365.9	364.9	363.9	362.9	361.9	360.9	359.9	358.9	357.5
107.5°	446.9	447.0	447.1	447.1	447.2	446.8	445.8	444.9	443.9	443.0	442.8
110°	503.6	502.6	501.6	500.6	499.6	499.4	500.1	500.8	501.4	502.1	502.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	561.5	561.3	561.1	560.9	560.7	560.7	560.8	560.9	561.1	561.2	561.8
115°	651.4	651.7	652.1	652.4	652.7	653.1	653.4	653.7	654.1	654.4	655.1
117.5°	737.0	737.7	738.4	739.0	739.7	740.6	741.8	742.9	744.0	745.2	745.6
120°	802.2	801.5	800.8	800.2	799.5	800.0	801.7	803.3	805.0	806.7	807.7
122.5°	856.5	857.7	858.9	860.1	861.3	862.5	863.6	864.7	865.9	867.0	867.5
125°	949.9	950.6	951.3	951.9	952.6	953.3	954.0	954.6	955.3	956.0	956.3
127.5°	1036.5	1037.0	1037.6	1038.1	1038.6	1039.2	1039.9	1040.6	1041.2	1041.9	1042.5
130°	1093.2	1094.5	1095.9	1097.2	1098.5	1099.5	1100.2	1100.9	1101.6	1102.2	1102.2
132.5°	1153.5	1154.0	1154.6	1155.1	1155.6	1156.2	1156.9	1157.6	1158.3	1158.9	1159.2
135°	1236.4	1237.4	1238.4	1239.4	1240.4	1241.3	1242.0	1242.6	1243.3	1244.0	1244.0
137.5°	1323.6	1323.4	1323.2	1323.0	1322.8	1323.1	1324.0	1324.9	1325.7	1326.6	1326.1
140°	1376.7	1377.0	1377.3	1377.7	1378.0	1378.3	1378.7	1379.0	1379.3	1379.7	1379.7
142.5°	1429.7	1429.8	1429.9	1429.9	1430.0	1430.1	1430.1	1430.2	1430.3	1430.3	1430.6
145°	1501.8	1502.8	1503.8	1504.8	1505.8	1506.5	1506.8	1507.2	1507.5	1507.8	1507.5
147.5°	1574.8	1575.1	1575.5	1575.8	1576.1	1576.4	1576.7	1577.0	1577.2	1577.5	1577.8
150°	1619.4	1619.8	1620.1	1620.4	1620.8	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9
152.5°	1660.4	1661.3	1662.2	1663.0	1663.9	1663.9	1663.1	1662.3	1661.5	1660.7	1660.5
155°	1717.4	1718.8	1720.1	1721.4	1722.8	1722.8	1721.4	1720.1	1718.8	1717.4	1717.8
157.5°	1768.4	1769.5	1770.7	1771.8	1772.9	1773.0	1772.0	1771.0	1770.0	1769.0	1769.1
160°	1797.3	1799.0	1800.7	1802.4	1804.0	1804.4	1803.4	1802.4	1801.4	1800.4	1800.7
162.5°	1827.5	1829.2	1830.9	1832.5	1834.2	1834.1	1832.3	1830.5	1828.7	1826.9	1827.2
165°	1866.7	1868.0	1869.4	1870.7	1872.1	1871.7	1869.7	1867.7	1865.7	1863.7	1864.4
167.5°	1894.7	1896.8	1898.9	1901.0	1903.1	1903.1	1901.1	1899.1	1897.1	1895.1	1895.0
170°	1910.4	1912.8	1915.1	1917.5	1919.8	1920.0	1918.0	1916.0	1913.9	1911.9	1911.6
172.5°	1923.7	1926.0	1928.4	1930.7	1933.1	1933.1	1930.8	1928.6	1926.3	1924.0	1923.9
175°	1937.6	1939.9	1942.3	1944.6	1947.0	1947.0	1944.6	1942.3	1939.9	1937.6	1937.9
177.5°	1944.8	1947.0	1949.1	1951.2	1953.4	1953.5	1951.6	1949.8	1947.9	1946.0	1946.0
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6



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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°	21.7	21.6	20.7	18.3	16.3	14.3	13.1	12.0	13.1	14.3	15.5
90°	27.8	25.1	22.5	19.3	15.6	11.9	8.2	4.5	8.2	11.9	15.6
92.5°	56.0	54.1	52.2	49.2	44.9	40.7	36.5	32.3	36.5	40.7	44.9
95°	109.9	107.6	105.2	102.5	99.5	96.5	93.5	90.5	93.5	96.5	99.5
97.5°	175.7	173.0	170.3	167.7	165.3	162.8	160.4	158.0	160.4	162.8	165.3
100°	224.7	221.7	218.6	216.5	215.1	213.8	212.4	211.1	212.4	213.8	215.1
102.5°	275.9	273.1	270.4	268.7	268.2	267.7	267.1	266.6	267.1	267.7	268.2
105°	356.2	354.8	353.5	352.7	352.3	352.0	351.7	351.3	351.7	352.0	352.3
107.5°	442.6	442.4	442.2	441.9	441.5	441.1	440.7	440.3	440.7	441.1	441.5
110°	502.8	503.1	503.5	503.3	502.6	501.9	501.3	500.6	501.3	501.9	502.6





TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	562.4	563.0	563.6	563.9	563.7	563.6	563.5	563.3	563.5	563.6	563.7
115°	655.7	656.4	657.1	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4
117.5°	746.1	746.6	747.1	747.2	746.9	746.6	746.3	746.1	746.3	746.6	746.9
120°	808.7	809.7	810.7	810.5	809.2	807.9	806.5	805.2	806.5	807.9	809.2
122.5°	867.9	868.4	868.9	868.8	868.3	867.8	867.2	866.7	867.2	867.8	868.3
125°	956.6	957.0	957.3	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5
127.5°	1043.0	1043.5	1044.1	1043.8	1042.8	1041.8	1040.8	1039.8	1040.8	1041.8	1042.8
130°	1102.2	1102.2	1102.2	1101.7	1100.7	1099.7	1098.7	1097.7	1098.7	1099.7	1100.7
132.5°	1159.5	1159.7	1160.0	1159.8	1159.0	1158.3	1157.6	1156.8	1157.6	1158.3	1159.0
135°	1244.0	1244.0	1244.0	1243.0	1241.0	1238.9	1236.9	1234.9	1236.9	1238.9	1241.0
137.5°	1325.5	1325.0	1324.5	1323.7	1322.8	1321.8	1320.9	1320.0	1320.9	1321.8	1322.8
140°	1379.7	1379.7	1379.7	1379.3	1378.7	1378.0	1377.3	1376.7	1377.3	1378.0	1378.7
142.5°	1430.9	1431.1	1431.4	1431.2	1430.5	1429.9	1429.2	1428.5	1429.2	1429.9	1430.5
145°	1507.2	1506.8	1506.5	1505.7	1504.3	1503.0	1501.6	1500.3	1501.6	1503.0	1504.3
147.5°	1578.0	1578.3	1578.6	1577.9	1576.3	1574.7	1573.1	1571.5	1573.1	1574.7	1576.3
150°	1620.9	1620.9	1620.9	1620.3	1618.9	1617.6	1616.2	1614.9	1616.2	1617.6	1618.9
152.5°	1660.2	1659.9	1659.7	1659.1	1658.3	1657.5	1656.7	1655.9	1656.7	1657.5	1658.3
155°	1718.1	1718.4	1718.8	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9
157.5°	1769.1	1769.2	1769.3	1769.6	1770.2	1770.8	1771.4	1772.0	1771.4	1770.8	1770.2
160°	1801.0	1801.4	1801.7	1802.0	1802.4	1802.7	1803.0	1803.4	1803.0	1802.7	1802.4
162.5°	1827.6	1827.9	1828.2	1828.8	1829.7	1830.6	1831.5	1832.3	1831.5	1830.6	1829.7
165°	1865.0	1865.7	1866.4	1867.2	1868.2	1869.2	1870.2	1871.2	1870.2	1869.2	1868.2
167.5°	1894.9	1894.9	1894.8	1895.5	1896.9	1898.3	1899.7	1901.1	1899.7	1898.3	1896.9
170°	1911.3	1910.9	1910.6	1911.3	1912.9	1914.6	1916.3	1918.0	1916.3	1914.6	1912.9
172.5°	1923.9	1923.8	1923.7	1924.4	1925.8	1927.2	1928.6	1930.0	1928.6	1927.2	1925.8
175°	1938.2	1938.6	1938.9	1939.9	1941.6	1943.3	1944.9	1946.6	1944.9	1943.3	1941.6
177.5°	1946.0	1946.0	1946.0	1946.7	1948.0	1949.4	1950.7	1952.0	1950.7	1949.4	1948.0
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-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°	17.5	18.1	20.3	21.7	23.5	26.2	27.5	32.5	34.6	37.2	41.3
90°	19.3	22.5	25.1	27.8	30.5	33.2	35.2	37.2	39.2	41.2	42.6
92.5°	49.2	52.2	54.1	56.0	57.8	59.7	60.9	62.1	63.3	64.5	65.3
95°	102.5	105.2	107.6	109.9	112.3	114.6	115.6	116.6	117.6	118.6	119.1
97.5°	167.7	170.3	173.0	175.7	178.5	181.2	182.4	183.7	184.9	186.1	186.7
100°	216.5	218.6	221.7	224.7	227.7	230.7	231.4	232.0	232.7	233.4	233.7
102.5°	268.7	270.4	273.1	275.9	278.6	281.4	282.3	283.2	284.2	285.1	285.7
105°	352.7	353.5	354.8	356.2	357.5	358.9	359.9	360.9	361.9	362.9	363.9
107.5°	441.9	442.2	442.4	442.6	442.8	443.0	443.9	444.9	445.8	446.8	447.2
110°	503.3	503.5	503.1	502.8	502.4	502.1	501.4	500.8	500.1	499.4	499.6



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	563.9	563.6	563.0	562.4	561.8	561.2	561.1	560.9	560.8	560.7	560.7
115°	657.4	657.1	656.4	655.7	655.1	654.4	654.1	653.7	653.4	653.1	652.7
117.5°	747.2	747.1	746.6	746.1	745.6	745.2	744.0	742.9	741.8	740.6	739.7
120°	810.5	810.7	809.7	808.7	807.7	806.7	805.0	803.3	801.7	800.0	799.5
122.5°	868.8	868.9	868.4	867.9	867.5	867.0	865.9	864.7	863.6	862.5	861.3
125°	957.5	957.3	957.0	956.6	956.3	956.0	955.3	954.6	954.0	953.3	952.6
127.5°	1043.8	1044.1	1043.5	1043.0	1042.5	1041.9	1041.2	1040.6	1039.9	1039.2	1038.6
130°	1101.7	1102.2	1102.2	1102.2	1102.2	1102.2	1101.6	1100.9	1100.2	1099.5	1098.5
132.5°	1159.8	1160.0	1159.7	1159.5	1159.2	1158.9	1158.3	1157.6	1156.9	1156.2	1155.6
135°	1243.0	1244.0	1244.0	1244.0	1244.0	1244.0	1243.3	1242.6	1242.0	1241.3	1240.4
137.5°	1323.7	1324.5	1325.0	1325.5	1326.1	1326.6	1325.7	1324.9	1324.0	1323.1	1322.8
140°	1379.3	1379.7	1379.7	1379.7	1379.7	1379.7	1379.3	1379.0	1378.7	1378.3	1378.0
142.5°	1431.2	1431.4	1431.1	1430.9	1430.6	1430.3	1430.3	1430.2	1430.1	1430.1	1430.0
145°	1505.7	1506.5	1506.8	1507.2	1507.5	1507.8	1507.5	1507.2	1506.8	1506.5	1505.8
147.5°	1577.9	1578.6	1578.3	1578.0	1577.8	1577.5	1577.2	1577.0	1576.7	1576.4	1576.1
150°	1620.3	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.8
152.5°	1659.1	1659.7	1659.9	1660.2	1660.5	1660.7	1661.5	1662.3	1663.1	1663.9	1663.9
155°	1718.9	1718.8	1718.4	1718.1	1717.8	1717.4	1718.8	1720.1	1721.4	1722.8	1722.8
157.5°	1769.6	1769.3	1769.2	1769.1	1769.1	1769.0	1770.0	1771.0	1772.0	1773.0	1772.9
160°	1802.0	1801.7	1801.4	1801.0	1800.7	1800.4	1801.4	1802.4	1803.4	1804.4	1804.0
162.5°	1828.8	1828.2	1827.9	1827.6	1827.2	1826.9	1828.7	1830.5	1832.3	1834.1	1834.2
165°	1867.2	1866.4	1865.7	1865.0	1864.4	1863.7	1865.7	1867.7	1869.7	1871.7	1872.1
167.5°	1895.5	1894.8	1894.9	1894.9	1895.0	1895.1	1897.1	1899.1	1901.1	1903.1	1903.1
170°	1911.3	1910.6	1910.9	1911.3	1911.6	1911.9	1913.9	1916.0	1918.0	1920.0	1919.8
172.5°	1924.4	1923.7	1923.8	1923.9	1923.9	1924.0	1926.3	1928.6	1930.8	1933.1	1933.1
175°	1939.9	1938.9	1938.6	1938.2	1937.9	1937.6	1939.9	1942.3	1944.6	1947.0	1947.0
177.5°	1946.7	1946.0	1946.0	1946.0	1946.0	1946.0	1947.9	1949.8	1951.6	1953.5	1953.4
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-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°	42.7	43.2	44.7	45.6	44.7	43.2	42.7	41.3	37.2	34.6	32.5
90°	43.2	43.9	44.6	45.2	44.6	43.9	43.2	42.6	41.2	39.2	37.2
92.5°	65.7	66.1	66.5	66.9	66.5	66.1	65.7	65.3	64.5	63.3	62.1
95°	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	118.6	117.6	116.6
97.5°	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.1	184.9	183.7
100°	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.4	232.7	232.0
102.5°	286.0	286.3	286.5	286.8	286.5	286.3	286.0	285.7	285.1	284.2	283.2
105°	364.9	365.9	366.9	367.9	366.9	365.9	364.9	363.9	362.9	361.9	360.9
107.5°	447.1	447.1	447.0	446.9	447.0	447.1	447.1	447.2	446.8	445.8	444.9
110°	500.6	501.6	502.6	503.6	502.6	501.6	500.6	499.6	499.4	500.1	500.8



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	560.9	561.1	561.3	561.5	561.3	561.1	560.9	560.7	560.7	560.8	560.9
115°	652.4	652.1	651.7	651.4	651.7	652.1	652.4	652.7	653.1	653.4	653.7
117.5°	739.0	738.4	737.7	737.0	737.7	738.4	739.0	739.7	740.6	741.8	742.9
120°	800.2	800.8	801.5	802.2	801.5	800.8	800.2	799.5	800.0	801.7	803.3
122.5°	860.1	858.9	857.7	856.5	857.7	858.9	860.1	861.3	862.5	863.6	864.7
125°	951.9	951.3	950.6	949.9	950.6	951.3	951.9	952.6	953.3	954.0	954.6
127.5°	1038.1	1037.6	1037.0	1036.5	1037.0	1037.6	1038.1	1038.6	1039.2	1039.9	1040.6
130°	1097.2	1095.9	1094.5	1093.2	1094.5	1095.9	1097.2	1098.5	1099.5	1100.2	1100.9
132.5°	1155.1	1154.6	1154.0	1153.5	1154.0	1154.6	1155.1	1155.6	1156.2	1156.9	1157.6
135°	1239.4	1238.4	1237.4	1236.4	1237.4	1238.4	1239.4	1240.4	1241.3	1242.0	1242.6
137.5°	1323.0	1323.2	1323.4	1323.6	1323.4	1323.2	1323.0	1322.8	1323.1	1324.0	1324.9
140°	1377.7	1377.3	1377.0	1376.7	1377.0	1377.3	1377.7	1378.0	1378.3	1378.7	1379.0
142.5°	1429.9	1429.9	1429.8	1429.7	1429.8	1429.9	1429.9	1430.0	1430.1	1430.1	1430.2
145°	1504.8	1503.8	1502.8	1501.8	1502.8	1503.8	1504.8	1505.8	1506.5	1506.8	1507.2
147.5°	1575.8	1575.5	1575.1	1574.8	1575.1	1575.5	1575.8	1576.1	1576.4	1576.7	1577.0
150°	1620.4	1620.1	1619.8	1619.4	1619.8	1620.1	1620.4	1620.8	1620.9	1620.9	1620.9
152.5°	1663.0	1662.2	1661.3	1660.4	1661.3	1662.2	1663.0	1663.9	1663.9	1663.1	1662.3
155°	1721.4	1720.1	1718.8	1717.4	1718.8	1720.1	1721.4	1722.8	1722.8	1721.4	1720.1
157.5°	1771.8	1770.7	1769.5	1768.4	1769.5	1770.7	1771.8	1772.9	1773.0	1772.0	1771.0
160°	1802.4	1800.7	1799.0	1797.3	1799.0	1800.7	1802.4	1804.0	1804.4	1803.4	1802.4
162.5°	1832.5	1830.9	1829.2	1827.5	1829.2	1830.9	1832.5	1834.2	1834.1	1832.3	1830.5
165°	1870.7	1869.4	1868.0	1866.7	1868.0	1869.4	1870.7	1872.1	1871.7	1869.7	1867.7
167.5°	1901.0	1898.9	1896.8	1894.7	1896.8	1898.9	1901.0	1903.1	1903.1	1901.1	1899.1
170°	1917.5	1915.1	1912.8	1910.4	1912.8	1915.1	1917.5	1919.8	1920.0	1918.0	1916.0
172.5°	1930.7	1928.4	1926.0	1923.7	1926.0	1928.4	1930.7	1933.1	1933.1	1930.8	1928.6
175°	1944.6	1942.3	1939.9	1937.6	1939.9	1942.3	1944.6	1947.0	1947.0	1944.6	1942.3
177.5°	1951.2	1949.1	1947.0	1944.8	1947.0	1949.1	1951.2	1953.4	1953.5	1951.6	1949.8
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-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°	27.5	26.2	23.5	21.7	20.3	18.1	17.5	15.5	14.3	13.1	12.0
90°	35.2	33.2	30.5	27.8	25.1	22.5	19.3	15.6	11.9	8.2	4.5
92.5°	60.9	59.7	57.8	56.0	54.1	52.2	49.2	44.9	40.7	36.5	32.3
95°	115.6	114.6	112.3	109.9	107.6	105.2	102.5	99.5	96.5	93.5	90.5
97.5°	182.4	181.2	178.5	175.7	173.0	170.3	167.7	165.3	162.8	160.4	158.0
100°	231.4	230.7	227.7	224.7	221.7	218.6	216.5	215.1	213.8	212.4	211.1
102.5°	282.3	281.4	278.6	275.9	273.1	270.4	268.7	268.2	267.7	267.1	266.6
105°	359.9	358.9	357.5	356.2	354.8	353.5	352.7	352.3	352.0	351.7	351.3
107.5°	443.9	443.0	442.8	442.6	442.4	442.2	441.9	441.5	441.1	440.7	440.3
110°	501.4	502.1	502.4	502.8	503.1	503.5	503.3	502.6	501.9	501.3	500.6



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	561.1	561.2	561.8	562.4	563.0	563.6	563.9	563.7	563.6	563.5	563.3
115°	654.1	654.4	655.1	655.7	656.4	657.1	657.4	657.4	657.4	657.4	657.4
117.5°	744.0	745.2	745.6	746.1	746.6	747.1	747.2	746.9	746.6	746.3	746.1
120°	805.0	806.7	807.7	808.7	809.7	810.7	810.5	809.2	807.9	806.5	805.2
122.5°	865.9	867.0	867.5	867.9	868.4	868.9	868.8	868.3	867.8	867.2	866.7
125°	955.3	956.0	956.3	956.6	957.0	957.3	957.5	957.5	957.5	957.5	957.5
127.5°	1041.2	1041.9	1042.5	1043.0	1043.5	1044.1	1043.8	1042.8	1041.8	1040.8	1039.8
130°	1101.6	1102.2	1102.2	1102.2	1102.2	1102.2	1101.7	1100.7	1099.7	1098.7	1097.7
132.5°	1158.3	1158.9	1159.2	1159.5	1159.7	1160.0	1159.8	1159.0	1158.3	1157.6	1156.8
135°	1243.3	1244.0	1244.0	1244.0	1244.0	1244.0	1243.0	1241.0	1238.9	1236.9	1234.9
137.5°	1325.7	1326.6	1326.1	1325.5	1325.0	1324.5	1323.7	1322.8	1321.8	1320.9	1320.0
140°	1379.3	1379.7	1379.7	1379.7	1379.7	1379.7	1379.3	1378.7	1378.0	1377.3	1376.7
142.5°	1430.3	1430.3	1430.6	1430.9	1431.1	1431.4	1431.2	1430.5	1429.9	1429.2	1428.5
145°	1507.5	1507.8	1507.5	1507.2	1506.8	1506.5	1505.7	1504.3	1503.0	1501.6	1500.3
147.5°	1577.2	1577.5	1577.8	1578.0	1578.3	1578.6	1577.9	1576.3	1574.7	1573.1	1571.5
150°	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.3	1618.9	1617.6	1616.2	1614.9
152.5°	1661.5	1660.7	1660.5	1660.2	1659.9	1659.7	1659.1	1658.3	1657.5	1656.7	1655.9
155°	1718.8	1717.4	1717.8	1718.1	1718.4	1718.8	1718.9	1718.9	1718.9	1718.9	1718.9
157.5°	1770.0	1769.0	1769.1	1769.1	1769.2	1769.3	1769.6	1770.2	1770.8	1771.4	1772.0
160°	1801.4	1800.4	1800.7	1801.0	1801.4	1801.7	1802.0	1802.4	1802.7	1803.0	1803.4
162.5°	1828.7	1826.9	1827.2	1827.6	1827.9	1828.2	1828.8	1829.7	1830.6	1831.5	1832.3
165°	1865.7	1863.7	1864.4	1865.0	1865.7	1866.4	1867.2	1868.2	1869.2	1870.2	1871.2
167.5°	1897.1	1895.1	1895.0	1894.9	1894.9	1894.8	1895.5	1896.9	1898.3	1899.7	1901.1
170°	1913.9	1911.9	1911.6	1911.3	1910.9	1910.6	1911.3	1912.9	1914.6	1916.3	1918.0
172.5°	1926.3	1924.0	1923.9	1923.9	1923.8	1923.7	1924.4	1925.8	1927.2	1928.6	1930.0
175°	1939.9	1937.6	1937.9	1938.2	1938.6	1938.9	1939.9	1941.6	1943.3	1944.9	1946.6
177.5°	1947.9	1946.0	1946.0	1946.0	1946.0	1946.0	1946.7	1948.0	1949.4	1950.7	1952.0
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6



TEST NUMBER: P332800

CATALOG NUMBER: S124DIW-S795D1560U835-4F0-1E-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°	13.1	14.3	16.3	18.3	20.7	21.6	21.7	22.3	21.1	21.1	19.8
90°	8.2	11.9	15.6	19.3	22.5	25.1	27.8	30.5	33.2	35.2	37.2
92.5°	36.5	40.7	44.9	49.2	52.2	54.1	56.0	57.8	59.7	60.9	62.1
95°	93.5	96.5	99.5	102.5	105.2	107.6	109.9	112.3	114.6	115.6	116.6
97.5°	160.4	162.8	165.3	167.7	170.3	173.0	175.7	178.5	181.2	182.4	183.7
100°	212.4	213.8	215.1	216.5	218.6	221.7	224.7	227.7	230.7	231.4	232.0
102.5°	267.1	267.7	268.2	268.7	270.4	273.1	275.9	278.6	281.4	282.3	283.2
105°	351.7	352.0	352.3	352.7	353.5	354.8	356.2	357.5	358.9	359.9	360.9
107.5°	440.7	441.1	441.5	441.9	442.2	442.4	442.6	442.8	443.0	443.9	444.9
110°	501.3	501.9	502.6	503.3	503.5	503.1	502.8	502.4	502.1	501.4	500.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	563.5	563.6	563.7	563.9	563.6	563.0	562.4	561.8	561.2	561.1	560.9
115°	657.4	657.4	657.4	657.4	657.1	656.4	655.7	655.1	654.4	654.1	653.7
117.5°	746.3	746.6	746.9	747.2	747.1	746.6	746.1	745.6	745.2	744.0	742.9
120°	806.5	807.9	809.2	810.5	810.7	809.7	808.7	807.7	806.7	805.0	803.3
122.5°	867.2	867.8	868.3	868.8	868.9	868.4	867.9	867.5	867.0	865.9	864.7
125°	957.5	957.5	957.5	957.5	957.3	957.0	956.6	956.3	956.0	955.3	954.6
127.5°	1040.8	1041.8	1042.8	1043.8	1044.1	1043.5	1043.0	1042.5	1041.9	1041.2	1040.6
130°	1098.7	1099.7	1100.7	1101.7	1102.2	1102.2	1102.2	1102.2	1102.2	1101.6	1100.9
132.5°	1157.6	1158.3	1159.0	1159.8	1160.0	1159.7	1159.5	1159.2	1158.9	1158.3	1157.6
135°	1236.9	1238.9	1241.0	1243.0	1244.0	1244.0	1244.0	1244.0	1244.0	1243.3	1242.6
137.5°	1320.9	1321.8	1322.8	1323.7	1324.5	1325.0	1325.5	1326.1	1326.6	1325.7	1324.9
140°	1377.3	1378.0	1378.7	1379.3	1379.7	1379.7	1379.7	1379.7	1379.7	1379.3	1379.0
142.5°	1429.2	1429.9	1430.5	1431.2	1431.4	1431.1	1430.9	1430.6	1430.3	1430.3	1430.2
145°	1501.6	1503.0	1504.3	1505.7	1506.5	1506.8	1507.2	1507.5	1507.8	1507.5	1507.2
147.5°	1573.1	1574.7	1576.3	1577.9	1578.6	1578.3	1578.0	1577.8	1577.5	1577.2	1577.0
150°	1616.2	1617.6	1618.9	1620.3	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9
152.5°	1656.7	1657.5	1658.3	1659.1	1659.7	1659.9	1660.2	1660.5	1660.7	1661.5	1662.3
155°	1718.9	1718.9	1718.9	1718.9	1718.8	1718.4	1718.1	1717.8	1717.4	1718.8	1720.1
157.5°	1771.4	1770.8	1770.2	1769.6	1769.3	1769.2	1769.1	1769.1	1769.0	1770.0	1771.0
160°	1803.0	1802.7	1802.4	1802.0	1801.7	1801.4	1801.0	1800.7	1800.4	1801.4	1802.4
162.5°	1831.5	1830.6	1829.7	1828.8	1828.2	1827.9	1827.6	1827.2	1826.9	1828.7	1830.5
165°	1870.2	1869.2	1868.2	1867.2	1866.4	1865.7	1865.0	1864.4	1863.7	1865.7	1867.7
167.5°	1899.7	1898.3	1896.9	1895.5	1894.8	1894.9	1894.9	1895.0	1895.1	1897.1	1899.1
170°	1916.3	1914.6	1912.9	1911.3	1910.6	1910.9	1911.3	1911.6	1911.9	1913.9	1916.0
172.5°	1928.6	1927.2	1925.8	1924.4	1923.7	1923.8	1923.9	1923.9	1924.0	1926.3	1928.6
175°	1944.9	1943.3	1941.6	1939.9	1938.9	1938.6	1938.2	1937.9	1937.6	1939.9	1942.3
177.5°	1950.7	1949.4	1948.0	1946.7	1946.0	1946.0	1946.0	1946.0	1946.0	1947.9	1949.8
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6



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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°	20.6	20.6	20.4	19.7	19.4	19.5	18.4
90°	39.2	41.2	42.6	43.2	43.9	44.6	45.2
92.5°	63.3	64.5	65.3	65.7	66.1	66.5	66.9
95°	117.6	118.6	119.1	119.1	119.1	119.1	119.1
97.5°	184.9	186.1	186.7	186.7	186.7	186.7	186.7
100°	232.7	233.4	233.7	233.7	233.7	233.7	233.7
102.5°	284.2	285.1	285.7	286.0	286.3	286.5	286.8
105°	361.9	362.9	363.9	364.9	365.9	366.9	367.9
107.5°	445.8	446.8	447.2	447.1	447.1	447.0	446.9
110°	500.1	499.4	499.6	500.6	501.6	502.6	503.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	560.8	560.7	560.7	560.9	561.1	561.3	561.5
115°	653.4	653.1	652.7	652.4	652.1	651.7	651.4
117.5°	741.8	740.6	739.7	739.0	738.4	737.7	737.0
120°	801.7	800.0	799.5	800.2	800.8	801.5	802.2
122.5°	863.6	862.5	861.3	860.1	858.9	857.7	856.5
125°	954.0	953.3	952.6	951.9	951.3	950.6	949.9
127.5°	1039.9	1039.2	1038.6	1038.1	1037.6	1037.0	1036.5
130°	1100.2	1099.5	1098.5	1097.2	1095.9	1094.5	1093.2
132.5°	1156.9	1156.2	1155.6	1155.1	1154.6	1154.0	1153.5
135°	1242.0	1241.3	1240.4	1239.4	1238.4	1237.4	1236.4
137.5°	1324.0	1323.1	1322.8	1323.0	1323.2	1323.4	1323.6
140°	1378.7	1378.3	1378.0	1377.7	1377.3	1377.0	1376.7
142.5°	1430.1	1430.1	1430.0	1429.9	1429.9	1429.8	1429.7
145°	1506.8	1506.5	1505.8	1504.8	1503.8	1502.8	1501.8
147.5°	1576.7	1576.4	1576.1	1575.8	1575.5	1575.1	1574.8
150°	1620.9	1620.9	1620.8	1620.4	1620.1	1619.8	1619.4
152.5°	1663.1	1663.9	1663.9	1663.0	1662.2	1661.3	1660.4
155°	1721.4	1722.8	1722.8	1721.4	1720.1	1718.8	1717.4
157.5°	1772.0	1773.0	1772.9	1771.8	1770.7	1769.5	1768.4
160°	1803.4	1804.4	1804.0	1802.4	1800.7	1799.0	1797.3
162.5°	1832.3	1834.1	1834.2	1832.5	1830.9	1829.2	1827.5
165°	1869.7	1871.7	1872.1	1870.7	1869.4	1868.0	1866.7
167.5°	1901.1	1903.1	1903.1	1901.0	1898.9	1896.8	1894.7
170°	1918.0	1920.0	1919.8	1917.5	1915.1	1912.8	1910.4
172.5°	1930.8	1933.1	1933.1	1930.7	1928.4	1926.0	1923.7
175°	1944.6	1947.0	1947.0	1944.6	1942.3	1939.9	1937.6
177.5°	1951.6	1953.5	1953.4	1951.2	1949.1	1947.0	1944.8
180°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6

(END OF REPORT)