

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: P332799

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332799  
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: S124DIW-S795D1560U835-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9784.9 lumens  
Efficiency: N/A  
Efficacy: 143.7 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

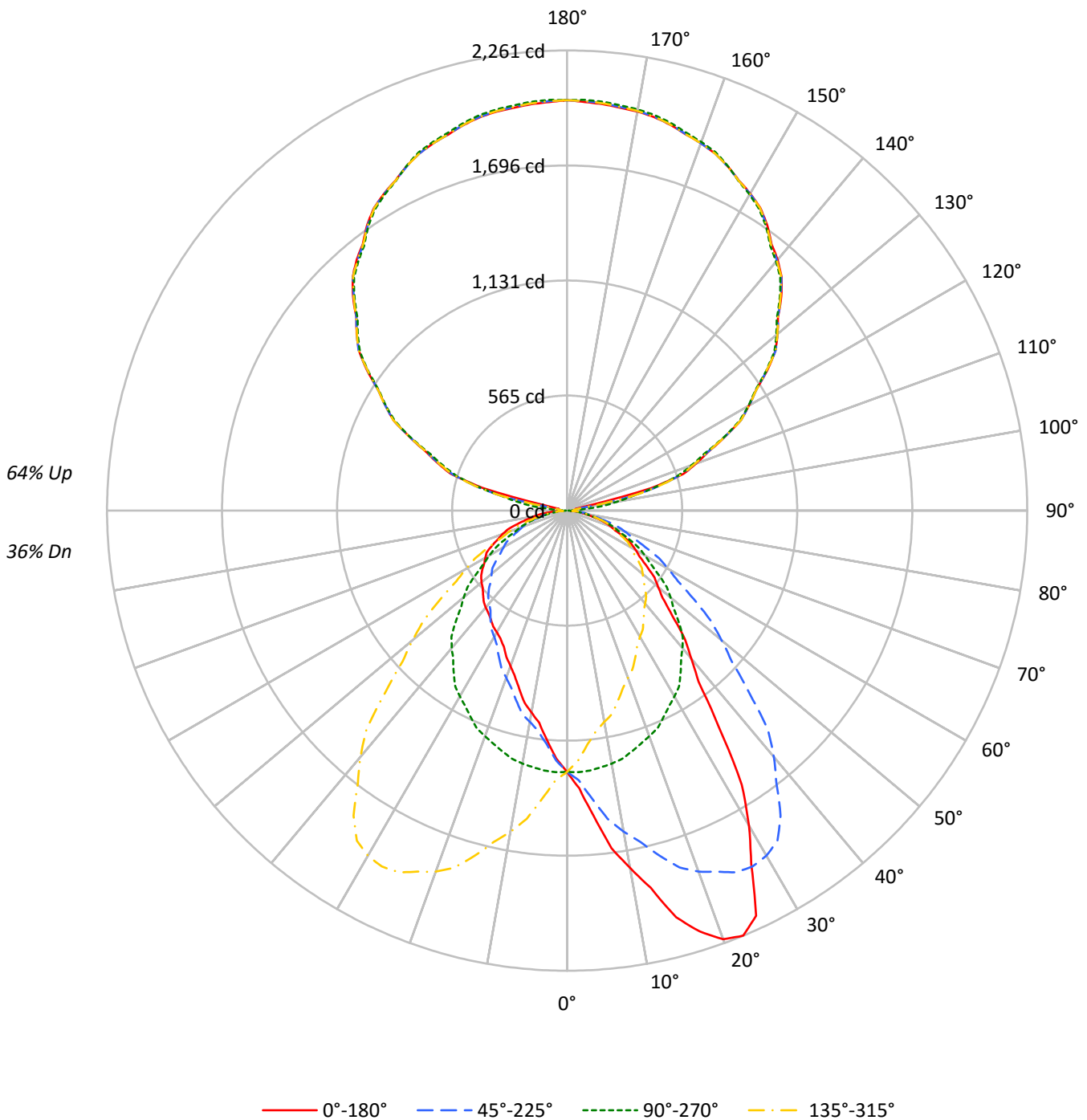
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332799

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

### Luminous Intensity Polar Plot





TEST NUMBER: P332799

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

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

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36				
1	95	91	87	84	86	82	79	76	66	64	62	52	51	49	39	38	37	31				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26				
3	79	70	63	57	71	64	57	53	52	47	44	41	38	35	30	29	27	22				
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19				
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				
6	61	49	42	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15				
7	56	44	37	31	51	41	34	29	34	28	25	27	23	20	20	18	16	13				
8	52	40	33	28	47	37	30	26	31	25	22	24	21	18	19	16	14	12				
9	49	37	29	25	44	34	27	23	28	23	20	22	19	16	17	15	13	11				
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10				

**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



TEST NUMBER: P332799

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	1.3
10°-20°	385.5	3.9
20°-30°	611.3	6.2
30°-40°	680.3	7.0
40°-50°	619.3	6.3
50°-60°	506.1	5.2
60°-70°	361.3	3.7
70°-80°	198.9	2.0
80°-90°	60.1	0.6
90°-100°	69.0	0.7
100°-110°	439.7	4.5
110°-120°	841.1	8.6
120°-130°	1067.8	10.9
130°-140°	1142.4	11.7
140°-150°	1068.3	10.9
150°-160°	861.5	8.8
160°-170°	555.6	5.7
170°-180°	191.5	2.0
0°-30°	1121.9	11.5
0°-40°	1802.3	18.4
0°-60°	2927.7	29.9
0°-90°	3548.0	36.3
90°-120°	1349.8	13.8
90°-150°	4628.2	47.3
90°-180°	6237.0	63.7
0°-180°	9784.9	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	21
95°	44	83	44	83	44	35
105°	430	454	430	454	430	375
115°	854	848	854	848	854	845
125°	1200	1191	1200	1191	1200	1069
135°	1488	1478	1488	1478	1488	1146
145°	1713	1704	1713	1704	1713	1071
155°	1867	1868	1867	1868	1867	861
165°	1962	1971	1962	1971	1962	554
175°	2004	2016	2004	2016	2004	191
180°	2016	2016	2016	2016	2016	



TEST NUMBER: P332799

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

**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	19.6	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°	41.6	41.5	41.4	41.2	41.1	40.0	38.0	36.0	34.0	32.0	29.3
95°	43.7	43.4	43.1	42.7	42.4	41.2	39.2	37.2	35.2	33.2	32.8
97.5°	42.2	41.9	41.6	41.2	40.9	40.6	40.4	40.2	40.0	39.8	77.2
100°	42.2	41.9	41.6	41.2	40.9	43.6	49.3	55.0	60.7	66.4	112.6
102.5°	43.4	43.4	43.3	43.2	43.2	73.9	135.3	196.8	258.2	319.7	325.7
105°	429.8	441.9	453.9	466.0	478.0	482.6	479.6	476.5	473.5	470.5	468.8
107.5°	599.0	597.7	596.4	595.2	593.9	592.5	591.1	589.6	588.1	586.6	584.3
110°	672.6	671.6	670.6	669.6	668.6	667.7	667.1	666.4	665.7	665.0	663.0



TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	746.2	744.9	743.6	742.4	741.1	740.5	740.6	740.8	740.9	741.1	740.1
115°	853.6	853.6	853.6	853.6	853.6	853.2	852.5	851.9	851.2	850.5	850.9
117.5°	962.7	962.9	963.0	963.1	963.3	963.4	963.5	963.7	963.8	963.9	963.2
120°	1031.5	1032.2	1032.8	1033.5	1034.2	1034.2	1033.5	1032.8	1032.2	1031.5	1031.8
122.5°	1099.1	1099.7	1100.4	1101.1	1101.7	1101.9	1101.5	1101.1	1100.7	1100.3	1099.8
125°	1200.4	1200.1	1199.7	1199.4	1199.1	1198.4	1197.4	1196.4	1195.4	1194.4	1195.0
127.5°	1289.4	1289.6	1289.9	1290.2	1290.4	1290.7	1290.9	1291.1	1291.3	1291.5	1289.9
130°	1349.7	1349.7	1349.7	1349.7	1349.7	1349.5	1349.2	1348.9	1348.5	1348.2	1347.2
132.5°	1405.2	1405.5	1405.7	1406.0	1406.3	1406.2	1405.9	1405.6	1405.2	1404.9	1403.6
135°	1488.4	1487.8	1487.1	1486.4	1485.8	1485.1	1484.4	1483.7	1483.1	1482.4	1481.1
137.5°	1559.6	1559.8	1560.0	1560.2	1560.4	1560.2	1559.4	1558.7	1557.9	1557.2	1555.7
140°	1609.1	1608.7	1608.4	1608.1	1607.7	1607.1	1606.1	1605.1	1604.1	1603.0	1602.4
142.5°	1650.1	1650.0	1650.0	1649.9	1649.8	1649.4	1648.7	1648.0	1647.2	1646.5	1646.1
145°	1713.1	1712.5	1711.8	1711.1	1710.5	1709.9	1709.6	1709.3	1708.9	1708.6	1708.6
147.5°	1765.3	1765.0	1764.6	1764.3	1764.0	1763.7	1763.4	1763.1	1762.9	1762.6	1762.9
150°	1799.1	1798.8	1798.4	1798.1	1797.8	1797.6	1797.6	1797.6	1797.6	1797.6	1797.9
152.5°	1828.0	1828.2	1828.4	1828.6	1828.8	1828.7	1828.1	1827.6	1827.1	1826.5	1827.1
155°	1867.0	1868.0	1869.0	1870.0	1871.0	1870.8	1869.5	1868.1	1866.8	1865.4	1866.5
157.5°	1899.5	1901.3	1903.0	1904.8	1906.5	1906.5	1904.8	1903.0	1901.3	1899.5	1900.7
160°	1921.2	1923.3	1925.3	1927.3	1929.3	1929.3	1927.3	1925.3	1923.3	1921.2	1921.6
162.5°	1938.1	1940.4	1942.7	1945.0	1947.2	1947.4	1945.4	1943.4	1941.3	1939.3	1939.7
165°	1962.0	1965.0	1968.0	1971.0	1974.0	1974.2	1971.5	1968.8	1966.1	1963.5	1963.5
167.5°	1979.8	1983.1	1986.5	1989.8	1993.2	1993.4	1990.4	1987.5	1984.5	1981.6	1981.8
170°	1990.6	1994.0	1997.3	2000.7	2004.0	2004.4	2001.7	1999.0	1996.3	1993.6	1993.3
172.5°	1996.6	2000.3	2003.9	2007.5	2011.1	2011.6	2008.9	2006.2	2003.5	2000.9	2000.5
175°	2004.2	2008.2	2012.2	2016.2	2020.3	2020.8	2017.8	2014.7	2011.7	2008.7	2008.4
177.5°	2009.0	2012.2	2015.4	2018.7	2021.9	2022.4	2020.3	2018.1	2016.0	2013.8	2013.3
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2



TEST NUMBER: P332799

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

**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°	26.6	23.9	21.2	19.8	19.6	19.4	19.2	19.0	19.2	19.4	19.6
95°	32.5	32.2	31.8	37.4	48.8	60.2	71.5	82.9	71.5	60.2	48.8
97.5°	114.6	152.0	189.4	204.6	197.5	190.3	183.2	176.1	183.2	190.3	197.5
100°	158.8	205.1	251.3	271.4	265.4	259.4	253.4	247.3	253.4	259.4	265.4
102.5°	331.8	337.8	343.8	344.6	340.2	335.8	331.4	326.9	331.4	335.8	340.2
105°	467.2	465.5	463.8	462.0	460.0	457.9	455.9	453.9	455.9	457.9	460.0
107.5°	582.1	579.8	577.5	575.9	574.9	573.9	572.9	571.8	572.9	573.9	574.9
110°	661.0	659.0	657.0	655.5	654.5	653.5	652.5	651.5	652.5	653.5	654.5





TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	739.2	738.2	737.3	735.9	734.1	732.3	730.5	728.7	730.5	732.3	734.1
115°	851.2	851.5	851.9	851.5	850.5	849.5	848.5	847.5	848.5	849.5	850.5
117.5°	962.5	961.7	961.0	960.0	958.6	957.3	955.9	954.6	955.9	957.3	958.6
120°	1032.2	1032.5	1032.8	1032.3	1031.0	1029.7	1028.3	1027.0	1028.3	1029.7	1031.0
122.5°	1099.3	1098.9	1098.4	1097.8	1096.9	1096.1	1095.3	1094.5	1095.3	1096.1	1096.9
125°	1195.7	1196.4	1197.0	1196.7	1195.4	1194.0	1192.7	1191.4	1192.7	1194.0	1195.4
127.5°	1288.4	1286.9	1285.3	1284.4	1284.0	1283.7	1283.4	1283.0	1283.4	1283.7	1284.0
130°	1346.2	1345.2	1344.2	1343.5	1343.2	1342.8	1342.5	1342.2	1342.5	1342.8	1343.2
132.5°	1402.3	1401.1	1399.8	1398.9	1398.3	1397.7	1397.0	1396.4	1397.0	1397.7	1398.3
135°	1479.7	1478.4	1477.0	1476.5	1476.9	1477.2	1477.5	1477.9	1477.5	1477.2	1476.9
137.5°	1554.3	1552.8	1551.3	1550.5	1550.4	1550.2	1550.1	1550.0	1550.1	1550.2	1550.4
140°	1601.7	1601.0	1600.4	1599.7	1599.0	1598.4	1597.7	1597.0	1597.7	1598.4	1599.0
142.5°	1645.7	1645.3	1644.9	1644.1	1642.9	1641.7	1640.4	1639.2	1640.4	1641.7	1642.9
145°	1708.6	1708.6	1708.6	1708.1	1707.1	1706.1	1705.1	1704.1	1705.1	1706.1	1707.1
147.5°	1763.3	1763.6	1763.9	1763.2	1761.3	1759.4	1757.5	1755.7	1757.5	1759.4	1761.3
150°	1798.3	1798.6	1798.9	1798.4	1797.1	1795.7	1794.4	1793.1	1794.4	1795.7	1797.1
152.5°	1827.7	1828.3	1829.0	1828.7	1827.6	1826.6	1825.5	1824.4	1825.5	1826.6	1827.6
155°	1867.5	1868.5	1869.5	1869.8	1869.5	1869.1	1868.8	1868.5	1868.8	1869.1	1869.5
157.5°	1901.8	1902.9	1904.1	1904.8	1905.0	1905.2	1905.4	1905.6	1905.4	1905.2	1905.0
160°	1921.9	1922.2	1922.6	1923.3	1924.3	1925.3	1926.3	1927.3	1926.3	1925.3	1924.3
162.5°	1940.0	1940.3	1940.7	1941.5	1942.8	1944.0	1945.3	1946.6	1945.3	1944.0	1942.8
165°	1963.5	1963.5	1963.5	1964.3	1966.0	1967.7	1969.3	1971.0	1969.3	1967.7	1966.0
167.5°	1982.0	1982.2	1982.4	1983.3	1985.1	1986.8	1988.6	1990.3	1988.6	1986.8	1985.1
170°	1993.0	1992.6	1992.3	1993.1	1995.1	1997.1	1999.2	2001.2	1999.2	1997.1	1995.1
172.5°	2000.2	1999.9	1999.5	2000.4	2002.4	2004.4	2006.4	2008.4	2006.4	2004.4	2002.4
175°	2008.0	2007.7	2007.4	2008.2	2010.2	2012.2	2014.2	2016.2	2014.2	2012.2	2010.2
177.5°	2012.8	2012.2	2011.7	2012.4	2014.2	2016.1	2018.0	2019.9	2018.0	2016.1	2014.2
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2



TEST NUMBER: P332799

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

**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°	19.8	21.2	23.9	26.6	29.3	32.0	34.0	36.0	38.0	40.0	41.1
95°	37.4	31.8	32.2	32.5	32.8	33.2	35.2	37.2	39.2	41.2	42.4
97.5°	204.6	189.4	152.0	114.6	77.2	39.8	40.0	40.2	40.4	40.6	40.9
100°	271.4	251.3	205.1	158.8	112.6	66.4	60.7	55.0	49.3	43.6	40.9
102.5°	344.6	343.8	337.8	331.8	325.7	319.7	258.2	196.8	135.3	73.9	43.2
105°	462.0	463.8	465.5	467.2	468.8	470.5	473.5	476.5	479.6	482.6	478.0
107.5°	575.9	577.5	579.8	582.1	584.3	586.6	588.1	589.6	591.1	592.5	593.9
110°	655.5	657.0	659.0	661.0	663.0	665.0	665.7	666.4	667.1	667.7	668.6



TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	735.9	737.3	738.2	739.2	740.1	741.1	740.9	740.8	740.6	740.5	741.1
115°	851.5	851.9	851.5	851.2	850.9	850.5	851.2	851.9	852.5	853.2	853.6
117.5°	960.0	961.0	961.7	962.5	963.2	963.9	963.8	963.7	963.5	963.4	963.3
120°	1032.3	1032.8	1032.5	1032.2	1031.8	1031.5	1032.2	1032.8	1033.5	1034.2	1034.2
122.5°	1097.8	1098.4	1098.9	1099.3	1099.8	1100.3	1100.7	1101.1	1101.5	1101.9	1101.7
125°	1196.7	1197.0	1196.4	1195.7	1195.0	1194.4	1195.4	1196.4	1197.4	1198.4	1199.1
127.5°	1284.4	1285.3	1286.9	1288.4	1289.9	1291.5	1291.3	1291.1	1290.9	1290.7	1290.4
130°	1343.5	1344.2	1345.2	1346.2	1347.2	1348.2	1348.5	1348.9	1349.2	1349.5	1349.7
132.5°	1398.9	1399.8	1401.1	1402.3	1403.6	1404.9	1405.2	1405.6	1405.9	1406.2	1406.3
135°	1476.5	1477.0	1478.4	1479.7	1481.1	1482.4	1483.1	1483.7	1484.4	1485.1	1485.8
137.5°	1550.5	1551.3	1552.8	1554.3	1555.7	1557.2	1557.9	1558.7	1559.4	1560.2	1560.4
140°	1599.7	1600.4	1601.0	1601.7	1602.4	1603.0	1604.1	1605.1	1606.1	1607.1	1607.7
142.5°	1644.1	1644.9	1645.3	1645.7	1646.1	1646.5	1647.2	1648.0	1648.7	1649.4	1649.8
145°	1708.1	1708.6	1708.6	1708.6	1708.6	1708.6	1708.9	1709.3	1709.6	1709.9	1710.5
147.5°	1763.2	1763.9	1763.6	1763.3	1762.9	1762.6	1762.9	1763.1	1763.4	1763.7	1764.0
150°	1798.4	1798.9	1798.6	1798.3	1797.9	1797.6	1797.6	1797.6	1797.6	1797.6	1797.8
152.5°	1828.7	1829.0	1828.3	1827.7	1827.1	1826.5	1827.1	1827.6	1828.1	1828.7	1828.8
155°	1869.8	1869.5	1868.5	1867.5	1866.5	1865.4	1866.8	1868.1	1869.5	1870.8	1871.0
157.5°	1904.8	1904.1	1902.9	1901.8	1900.7	1899.5	1901.3	1903.0	1904.8	1906.5	1906.5
160°	1923.3	1922.6	1922.2	1921.9	1921.6	1921.2	1923.3	1925.3	1927.3	1929.3	1929.3
162.5°	1941.5	1940.7	1940.3	1940.0	1939.7	1939.3	1941.3	1943.4	1945.4	1947.4	1947.2
165°	1964.3	1963.5	1963.5	1963.5	1963.5	1963.5	1966.1	1968.8	1971.5	1974.2	1974.0
167.5°	1983.3	1982.4	1982.2	1982.0	1981.8	1981.6	1984.5	1987.5	1990.4	1993.4	1993.2
170°	1993.1	1992.3	1992.6	1993.0	1993.3	1993.6	1996.3	1999.0	2001.7	2004.4	2004.0
172.5°	2000.4	1999.5	1999.9	2000.2	2000.5	2000.9	2003.5	2006.2	2008.9	2011.6	2011.1
175°	2008.2	2007.4	2007.7	2008.0	2008.4	2008.7	2011.7	2014.7	2017.8	2020.8	2020.3
177.5°	2012.4	2011.7	2012.2	2012.8	2013.3	2013.8	2016.0	2018.1	2020.3	2022.4	2021.9
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2



TEST NUMBER: P332799

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

**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°	41.2	41.4	41.5	41.6	41.5	41.4	41.2	41.1	40.0	38.0	36.0
95°	42.7	43.1	43.4	43.7	43.4	43.1	42.7	42.4	41.2	39.2	37.2
97.5°	41.2	41.6	41.9	42.2	41.9	41.6	41.2	40.9	40.6	40.4	40.2
100°	41.2	41.6	41.9	42.2	41.9	41.6	41.2	40.9	43.6	49.3	55.0
102.5°	43.2	43.3	43.4	43.4	43.4	43.3	43.2	43.2	73.9	135.3	196.8
105°	466.0	453.9	441.9	429.8	441.9	453.9	466.0	478.0	482.6	479.6	476.5
107.5°	595.2	596.4	597.7	599.0	597.7	596.4	595.2	593.9	592.5	591.1	589.6
110°	669.6	670.6	671.6	672.6	671.6	670.6	669.6	668.6	667.7	667.1	666.4



TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	742.4	743.6	744.9	746.2	744.9	743.6	742.4	741.1	740.5	740.6	740.8
115°	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.2	852.5	851.9
117.5°	963.1	963.0	962.9	962.7	962.9	963.0	963.1	963.3	963.4	963.5	963.7
120°	1033.5	1032.8	1032.2	1031.5	1032.2	1032.8	1033.5	1034.2	1034.2	1033.5	1032.8
122.5°	1101.1	1100.4	1099.7	1099.1	1099.7	1100.4	1101.1	1101.7	1101.9	1101.5	1101.1
125°	1199.4	1199.7	1200.1	1200.4	1200.1	1199.7	1199.4	1199.1	1198.4	1197.4	1196.4
127.5°	1290.2	1289.9	1289.6	1289.4	1289.6	1289.9	1290.2	1290.4	1290.7	1290.9	1291.1
130°	1349.7	1349.7	1349.7	1349.7	1349.7	1349.7	1349.7	1349.7	1349.5	1349.2	1348.9
132.5°	1406.0	1405.7	1405.5	1405.2	1405.5	1405.7	1406.0	1406.3	1406.2	1405.9	1405.6
135°	1486.4	1487.1	1487.8	1488.4	1487.8	1487.1	1486.4	1485.8	1485.1	1484.4	1483.7
137.5°	1560.2	1560.0	1559.8	1559.6	1559.8	1560.0	1560.2	1560.4	1560.2	1559.4	1558.7
140°	1608.1	1608.4	1608.7	1609.1	1608.7	1608.4	1608.1	1607.7	1607.1	1606.1	1605.1
142.5°	1649.9	1650.0	1650.0	1650.1	1650.0	1650.0	1649.9	1649.8	1649.4	1648.7	1648.0
145°	1711.1	1711.8	1712.5	1713.1	1712.5	1711.8	1711.1	1710.5	1709.9	1709.6	1709.3
147.5°	1764.3	1764.6	1765.0	1765.3	1765.0	1764.6	1764.3	1764.0	1763.7	1763.4	1763.1
150°	1798.1	1798.4	1798.8	1799.1	1798.8	1798.4	1798.1	1797.8	1797.6	1797.6	1797.6
152.5°	1828.6	1828.4	1828.2	1828.0	1828.2	1828.4	1828.6	1828.8	1828.7	1828.1	1827.6
155°	1870.0	1869.0	1868.0	1867.0	1868.0	1869.0	1870.0	1871.0	1870.8	1869.5	1868.1
157.5°	1904.8	1903.0	1901.3	1899.5	1901.3	1903.0	1904.8	1906.5	1906.5	1904.8	1903.0
160°	1927.3	1925.3	1923.3	1921.2	1923.3	1925.3	1927.3	1929.3	1929.3	1927.3	1925.3
162.5°	1945.0	1942.7	1940.4	1938.1	1940.4	1942.7	1945.0	1947.2	1947.4	1945.4	1943.4
165°	1971.0	1968.0	1965.0	1962.0	1965.0	1968.0	1971.0	1974.0	1974.2	1971.5	1968.8
167.5°	1989.8	1986.5	1983.1	1979.8	1983.1	1986.5	1989.8	1993.2	1993.4	1990.4	1987.5
170°	2000.7	1997.3	1994.0	1990.6	1994.0	1997.3	2000.7	2004.0	2004.4	2001.7	1999.0
172.5°	2007.5	2003.9	2000.3	1996.6	2000.3	2003.9	2007.5	2011.1	2011.6	2008.9	2006.2
175°	2016.2	2012.2	2008.2	2004.2	2008.2	2012.2	2016.2	2020.3	2020.8	2017.8	2014.7
177.5°	2018.7	2015.4	2012.2	2009.0	2012.2	2015.4	2018.7	2021.9	2022.4	2020.3	2018.1
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2



TEST NUMBER: P332799

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

**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°	34.0	32.0	29.3	26.6	23.9	21.2	19.8	19.6	19.4	19.2	19.0
95°	35.2	33.2	32.8	32.5	32.2	31.8	37.4	48.8	60.2	71.5	82.9
97.5°	40.0	39.8	77.2	114.6	152.0	189.4	204.6	197.5	190.3	183.2	176.1
100°	60.7	66.4	112.6	158.8	205.1	251.3	271.4	265.4	259.4	253.4	247.3
102.5°	258.2	319.7	325.7	331.8	337.8	343.8	344.6	340.2	335.8	331.4	326.9
105°	473.5	470.5	468.8	467.2	465.5	463.8	462.0	460.0	457.9	455.9	453.9
107.5°	588.1	586.6	584.3	582.1	579.8	577.5	575.9	574.9	573.9	572.9	571.8
110°	665.7	665.0	663.0	661.0	659.0	657.0	655.5	654.5	653.5	652.5	651.5



TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	740.9	741.1	740.1	739.2	738.2	737.3	735.9	734.1	732.3	730.5	728.7
115°	851.2	850.5	850.9	851.2	851.5	851.9	851.5	850.5	849.5	848.5	847.5
117.5°	963.8	963.9	963.2	962.5	961.7	961.0	960.0	958.6	957.3	955.9	954.6
120°	1032.2	1031.5	1031.8	1032.2	1032.5	1032.8	1032.3	1031.0	1029.7	1028.3	1027.0
122.5°	1100.7	1100.3	1099.8	1099.3	1098.9	1098.4	1097.8	1096.9	1096.1	1095.3	1094.5
125°	1195.4	1194.4	1195.0	1195.7	1196.4	1197.0	1196.7	1195.4	1194.0	1192.7	1191.4
127.5°	1291.3	1291.5	1289.9	1288.4	1286.9	1285.3	1284.4	1284.0	1283.7	1283.4	1283.0
130°	1348.5	1348.2	1347.2	1346.2	1345.2	1344.2	1343.5	1343.2	1342.8	1342.5	1342.2
132.5°	1405.2	1404.9	1403.6	1402.3	1401.1	1399.8	1398.9	1398.3	1397.7	1397.0	1396.4
135°	1483.1	1482.4	1481.1	1479.7	1478.4	1477.0	1476.5	1476.9	1477.2	1477.5	1477.9
137.5°	1557.9	1557.2	1555.7	1554.3	1552.8	1551.3	1550.5	1550.4	1550.2	1550.1	1550.0
140°	1604.1	1603.0	1602.4	1601.7	1601.0	1600.4	1599.7	1599.0	1598.4	1597.7	1597.0
142.5°	1647.2	1646.5	1646.1	1645.7	1645.3	1644.9	1644.1	1642.9	1641.7	1640.4	1639.2
145°	1708.9	1708.6	1708.6	1708.6	1708.6	1708.6	1708.1	1707.1	1706.1	1705.1	1704.1
147.5°	1762.9	1762.6	1762.9	1763.3	1763.6	1763.9	1763.2	1761.3	1759.4	1757.5	1755.7
150°	1797.6	1797.6	1797.9	1798.3	1798.6	1798.9	1798.4	1797.1	1795.7	1794.4	1793.1
152.5°	1827.1	1826.5	1827.1	1827.7	1828.3	1829.0	1828.7	1827.6	1826.6	1825.5	1824.4
155°	1866.8	1865.4	1866.5	1867.5	1868.5	1869.5	1869.8	1869.5	1869.1	1868.8	1868.5
157.5°	1901.3	1899.5	1900.7	1901.8	1902.9	1904.1	1904.8	1905.0	1905.2	1905.4	1905.6
160°	1923.3	1921.2	1921.6	1921.9	1922.2	1922.6	1923.3	1924.3	1925.3	1926.3	1927.3
162.5°	1941.3	1939.3	1939.7	1940.0	1940.3	1940.7	1941.5	1942.8	1944.0	1945.3	1946.6
165°	1966.1	1963.5	1963.5	1963.5	1963.5	1963.5	1964.3	1966.0	1967.7	1969.3	1971.0
167.5°	1984.5	1981.6	1981.8	1982.0	1982.2	1982.4	1983.3	1985.1	1986.8	1988.6	1990.3
170°	1996.3	1993.6	1993.3	1993.0	1992.6	1992.3	1993.1	1995.1	1997.1	1999.2	2001.2
172.5°	2003.5	2000.9	2000.5	2000.2	1999.9	1999.5	2000.4	2002.4	2004.4	2006.4	2008.4
175°	2011.7	2008.7	2008.4	2008.0	2007.7	2007.4	2008.2	2010.2	2012.2	2014.2	2016.2
177.5°	2016.0	2013.8	2013.3	2012.8	2012.2	2011.7	2012.4	2014.2	2016.1	2018.0	2019.9
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2



TEST NUMBER: P332799

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

**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°	19.2	19.4	19.6	19.8	21.2	23.9	26.6	29.3	32.0	34.0	36.0
95°	71.5	60.2	48.8	37.4	31.8	32.2	32.5	32.8	33.2	35.2	37.2
97.5°	183.2	190.3	197.5	204.6	189.4	152.0	114.6	77.2	39.8	40.0	40.2
100°	253.4	259.4	265.4	271.4	251.3	205.1	158.8	112.6	66.4	60.7	55.0
102.5°	331.4	335.8	340.2	344.6	343.8	337.8	331.8	325.7	319.7	258.2	196.8
105°	455.9	457.9	460.0	462.0	463.8	465.5	467.2	468.8	470.5	473.5	476.5
107.5°	572.9	573.9	574.9	575.9	577.5	579.8	582.1	584.3	586.6	588.1	589.6
110°	652.5	653.5	654.5	655.5	657.0	659.0	661.0	663.0	665.0	665.7	666.4





TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	730.5	732.3	734.1	735.9	737.3	738.2	739.2	740.1	741.1	740.9	740.8
115°	848.5	849.5	850.5	851.5	851.9	851.5	851.2	850.9	850.5	851.2	851.9
117.5°	955.9	957.3	958.6	960.0	961.0	961.7	962.5	963.2	963.9	963.8	963.7
120°	1028.3	1029.7	1031.0	1032.3	1032.8	1032.5	1032.2	1031.8	1031.5	1032.2	1032.8
122.5°	1095.3	1096.1	1096.9	1097.8	1098.4	1098.9	1099.3	1099.8	1100.3	1100.7	1101.1
125°	1192.7	1194.0	1195.4	1196.7	1197.0	1196.4	1195.7	1195.0	1194.4	1195.4	1196.4
127.5°	1283.4	1283.7	1284.0	1284.4	1285.3	1286.9	1288.4	1289.9	1291.5	1291.3	1291.1
130°	1342.5	1342.8	1343.2	1343.5	1344.2	1345.2	1346.2	1347.2	1348.2	1348.5	1348.9
132.5°	1397.0	1397.7	1398.3	1398.9	1399.8	1401.1	1402.3	1403.6	1404.9	1405.2	1405.6
135°	1477.5	1477.2	1476.9	1476.5	1477.0	1478.4	1479.7	1481.1	1482.4	1483.1	1483.7
137.5°	1550.1	1550.2	1550.4	1550.5	1551.3	1552.8	1554.3	1555.7	1557.2	1557.9	1558.7
140°	1597.7	1598.4	1599.0	1599.7	1600.4	1601.0	1601.7	1602.4	1603.0	1604.1	1605.1
142.5°	1640.4	1641.7	1642.9	1644.1	1644.9	1645.3	1645.7	1646.1	1646.5	1647.2	1648.0
145°	1705.1	1706.1	1707.1	1708.1	1708.6	1708.6	1708.6	1708.6	1708.6	1708.9	1709.3
147.5°	1757.5	1759.4	1761.3	1763.2	1763.9	1763.6	1763.3	1762.9	1762.6	1762.9	1763.1
150°	1794.4	1795.7	1797.1	1798.4	1798.9	1798.6	1798.3	1797.9	1797.6	1797.6	1797.6
152.5°	1825.5	1826.6	1827.6	1828.7	1829.0	1828.3	1827.7	1827.1	1826.5	1827.1	1827.6
155°	1868.8	1869.1	1869.5	1869.8	1869.5	1868.5	1867.5	1866.5	1865.4	1866.8	1868.1
157.5°	1905.4	1905.2	1905.0	1904.8	1904.1	1902.9	1901.8	1900.7	1899.5	1901.3	1903.0
160°	1926.3	1925.3	1924.3	1923.3	1922.6	1922.2	1921.9	1921.6	1921.2	1923.3	1925.3
162.5°	1945.3	1944.0	1942.8	1941.5	1940.7	1940.3	1940.0	1939.7	1939.3	1941.3	1943.4
165°	1969.3	1967.7	1966.0	1964.3	1963.5	1963.5	1963.5	1963.5	1963.5	1966.1	1968.8
167.5°	1988.6	1986.8	1985.1	1983.3	1982.4	1982.2	1982.0	1981.8	1981.6	1984.5	1987.5
170°	1999.2	1997.1	1995.1	1993.1	1992.3	1992.6	1993.0	1993.3	1993.6	1996.3	1999.0
172.5°	2006.4	2004.4	2002.4	2000.4	1999.5	1999.9	2000.2	2000.5	2000.9	2003.5	2006.2
175°	2014.2	2012.2	2010.2	2008.2	2007.4	2007.7	2008.0	2008.4	2008.7	2011.7	2014.7
177.5°	2018.0	2016.1	2014.2	2012.4	2011.7	2012.2	2012.8	2013.3	2013.8	2016.0	2018.1
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2



TEST NUMBER: P332799

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

**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	19.6	18.4
90°	39.2	41.2	42.6	43.2	43.9	44.6	45.2
92.5°	38.0	40.0	41.1	41.2	41.4	41.5	41.6
95°	39.2	41.2	42.4	42.7	43.1	43.4	43.7
97.5°	40.4	40.6	40.9	41.2	41.6	41.9	42.2
100°	49.3	43.6	40.9	41.2	41.6	41.9	42.2
102.5°	135.3	73.9	43.2	43.2	43.3	43.4	43.4
105°	479.6	482.6	478.0	466.0	453.9	441.9	429.8
107.5°	591.1	592.5	593.9	595.2	596.4	597.7	599.0
110°	667.1	667.7	668.6	669.6	670.6	671.6	672.6



TEST NUMBER: P332799

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

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	740.6	740.5	741.1	742.4	743.6	744.9	746.2
115°	852.5	853.2	853.6	853.6	853.6	853.6	853.6
117.5°	963.5	963.4	963.3	963.1	963.0	962.9	962.7
120°	1033.5	1034.2	1034.2	1033.5	1032.8	1032.2	1031.5
122.5°	1101.5	1101.9	1101.7	1101.1	1100.4	1099.7	1099.1
125°	1197.4	1198.4	1199.1	1199.4	1199.7	1200.1	1200.4
127.5°	1290.9	1290.7	1290.4	1290.2	1289.9	1289.6	1289.4
130°	1349.2	1349.5	1349.7	1349.7	1349.7	1349.7	1349.7
132.5°	1405.9	1406.2	1406.3	1406.0	1405.7	1405.5	1405.2
135°	1484.4	1485.1	1485.8	1486.4	1487.1	1487.8	1488.4
137.5°	1559.4	1560.2	1560.4	1560.2	1560.0	1559.8	1559.6
140°	1606.1	1607.1	1607.7	1608.1	1608.4	1608.7	1609.1
142.5°	1648.7	1649.4	1649.8	1649.9	1650.0	1650.0	1650.1
145°	1709.6	1709.9	1710.5	1711.1	1711.8	1712.5	1713.1
147.5°	1763.4	1763.7	1764.0	1764.3	1764.6	1765.0	1765.3
150°	1797.6	1797.6	1797.8	1798.1	1798.4	1798.8	1799.1
152.5°	1828.1	1828.7	1828.8	1828.6	1828.4	1828.2	1828.0
155°	1869.5	1870.8	1871.0	1870.0	1869.0	1868.0	1867.0
157.5°	1904.8	1906.5	1906.5	1904.8	1903.0	1901.3	1899.5
160°	1927.3	1929.3	1929.3	1927.3	1925.3	1923.3	1921.2
162.5°	1945.4	1947.4	1947.2	1945.0	1942.7	1940.4	1938.1
165°	1971.5	1974.2	1974.0	1971.0	1968.0	1965.0	1962.0
167.5°	1990.4	1993.4	1993.2	1989.8	1986.5	1983.1	1979.8
170°	2001.7	2004.4	2004.0	2000.7	1997.3	1994.0	1990.6
172.5°	2008.9	2011.6	2011.1	2007.5	2003.9	2000.3	1996.6
175°	2017.8	2020.8	2020.3	2016.2	2012.2	2008.2	2004.2
177.5°	2020.3	2022.4	2021.9	2018.7	2015.4	2012.2	2009.0
180°	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2	2016.2

(END OF REPORT)