

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: P332616-935

Luminaire Tested: **S124DIP-S795D1205U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332616-935  
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: S124DIP-S795D1205U935-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7191.3 lumens  
Efficiency: N/A  
Efficacy: 126.4 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

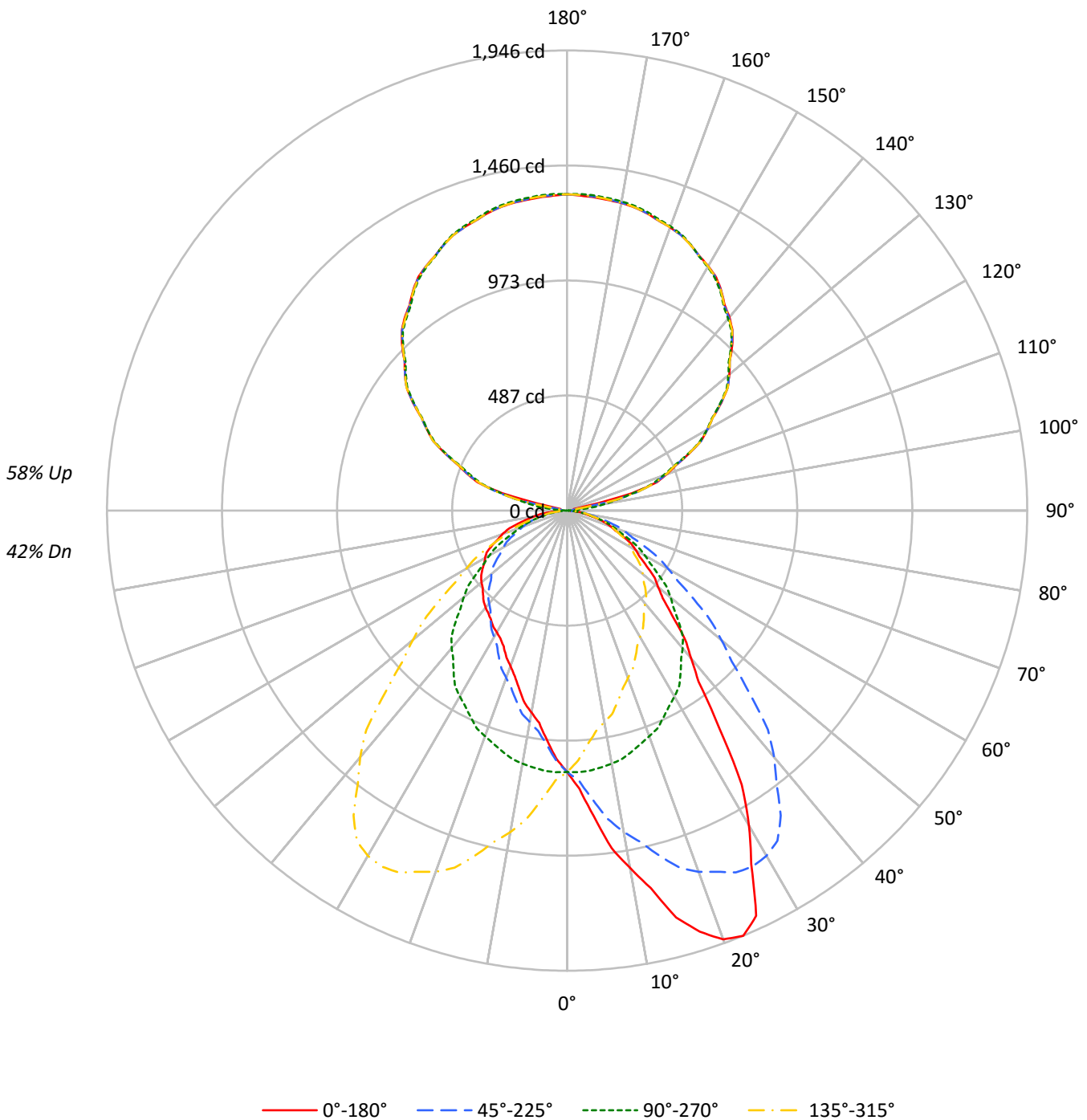
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	96	96	96	79	79	79	64	64	64	49	49	49	42
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	28	26	23
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	18	16	14
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8924	8924	8924	8924
5°	10509	8947	7897	8947
10°	12582	8908	7110	8908
15°	14888	8818	6529	8818
20°	16578	8725	6010	8725
25°	16846	8590	5653	8590
30°	14334	8460	5540	8460
35°	11020	8250	5542	8250
40°	8590	8001	5647	8001
45°	7162	7628	5740	7628
50°	6303	7171	5936	7171
55°	5775	6625	6175	6625
60°	5412	6135	6462	6135
65°	5037	5589	6701	5589
70°	4605	5049	6852	5049
75°	4114	4442	6772	4442
80°	3450	3640	6555	3640
85°	2547	2631	6280	2631



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	1.5
10°-20°	331.9	4.6
20°-30°	526.4	7.3
30°-40°	585.8	8.1
40°-50°	533.2	7.4
50°-60°	435.7	6.1
60°-70°	311.1	4.3
70°-80°	171.3	2.4
80°-90°	50.6	0.7
90°-100°	45.8	0.6
100°-110°	291.7	4.1
110°-120°	558.0	7.8
120°-130°	708.4	9.9
130°-140°	757.9	10.5
140°-150°	708.7	9.9
150°-160°	571.5	7.9
160°-170°	368.6	5.1
170°-180°	127.0	1.8
0°-30°	966.0	13.4
0°-40°	1551.8	21.6
0°-60°	2520.7	35.1
0°-90°	3053.7	42.5
90°-120°	895.4	12.5
90°-150°	3070.4	42.7
90°-180°	4138.0	57.5
0°-180°	7191.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1105	1105	1105	1105	1105	
5°	1297	1104	974	1104	1297	132
15°	1781	1055	781	1055	1781	503
25°	1891	964	635	964	1891	834
35°	1118	837	562	837	1118	710
45°	627	668	503	668	627	494
55°	410	471	439	471	410	371
65°	264	293	351	293	264	261
75°	132	142	217	142	132	140
85°	28	28	68	28	28	34
90°	30	3	30	3	30	14
95°	29	55	29	55	29	23
105°	285	301	285	301	285	249
115°	566	562	566	562	566	561
125°	796	790	796	790	796	709
135°	987	980	987	980	987	760
145°	1136	1130	1136	1130	1136	710
155°	1238	1240	1238	1240	1238	571
165°	1302	1308	1302	1308	1302	368
175°	1330	1338	1330	1338	1330	127
180°	1338	1338	1338	1338	1338	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1176.5	1176.1	1172.4	1171.7	1169.2	1165.9	1165.1	1159.3	1147.5	1142.0	1140.6
5°	1296.8	1306.0	1294.1	1291.8	1290.4	1275.3	1267.5	1258.4	1237.3	1224.9	1215.3
7.5°	1440.5	1441.5	1436.3	1432.1	1420.5	1407.2	1387.5	1366.4	1341.4	1315.2	1295.5
10°	1534.9	1538.6	1532.7	1531.7	1508.4	1493.7	1464.4	1439.7	1411.3	1379.7	1350.8
12.5°	1634.6	1629.4	1626.4	1606.8	1602.5	1575.8	1541.7	1516.2	1472.5	1436.1	1397.7
15°	1781.3	1771.2	1764.8	1737.8	1724.5	1687.4	1651.2	1623.3	1566.1	1511.6	1470.3
17.5°	1867.3	1877.4	1862.6	1851.5	1817.1	1791.1	1754.2	1695.6	1650.8	1583.1	1531.1
20°	1929.7	1930.5	1922.4	1910.9	1883.9	1850.9	1810.6	1746.5	1692.9	1625.6	1554.2
22.5°	1946.5	1946.7	1943.2	1932.5	1912.0	1885.3	1844.7	1791.1	1726.2	1653.0	1581.7
25°	1891.2	1889.4	1893.5	1905.4	1897.6	1889.4	1866.0	1826.2	1765.7	1688.3	1611.4
27.5°	1685.7	1698.3	1721.6	1750.8	1779.1	1800.6	1806.6	1798.5	1761.0	1697.4	1616.8
30°	1537.7	1553.2	1570.6	1599.9	1656.7	1689.3	1724.9	1752.0	1736.9	1686.0	1610.9
32.5°	1375.0	1378.9	1404.7	1438.0	1490.0	1552.6	1609.2	1664.1	1682.3	1655.6	1593.0
35°	1118.2	1124.6	1152.5	1185.5	1249.2	1325.7	1410.8	1486.9	1549.5	1574.8	1542.7
37.5°	912.5	930.9	950.6	986.1	1042.2	1110.9	1199.5	1297.8	1391.3	1454.0	1464.6
40°	815.1	826.6	840.8	867.7	915.3	983.2	1059.1	1171.8	1271.2	1360.9	1390.3
42.5°	738.1	744.9	753.5	778.0	814.2	881.7	951.1	1050.2	1150.0	1257.2	1306.3
45°	627.3	634.2	648.8	663.1	690.5	737.3	801.8	883.3	983.6	1087.1	1177.8
47.5°	547.3	551.7	560.4	575.6	598.9	629.7	682.3	750.4	843.3	943.7	1040.3
50°	501.9	505.5	512.4	526.2	544.0	571.4	614.5	678.2	751.0	852.2	946.9
52.5°	466.0	467.4	472.5	481.8	496.0	519.1	554.4	607.1	674.8	765.0	859.5
55°	410.3	412.2	416.7	423.6	435.9	450.6	477.6	516.9	576.1	654.4	736.3
57.5°	364.5	365.8	369.6	372.3	382.5	394.3	415.2	443.2	488.0	554.4	627.6
60°	335.2	334.2	338.9	341.1	348.0	358.1	374.1	401.1	440.1	493.6	560.9
62.5°	306.6	305.3	309.2	312.2	316.2	324.8	337.9	359.0	390.6	439.0	497.2
65°	263.7	261.9	264.2	267.9	271.6	276.1	285.8	304.5	329.7	364.5	408.9
67.5°	220.7	222.7	223.0	224.8	227.0	233.2	239.8	253.0	270.8	298.7	336.3
70°	195.1	195.5	197.3	197.3	198.7	204.2	209.7	217.5	234.9	260.5	291.2
72.5°	169.4	171.3	170.7	172.1	173.1	176.8	180.8	188.2	203.0	222.1	248.0
75°	131.9	133.3	133.3	133.7	135.1	136.5	139.7	145.2	155.7	169.9	187.8
77.5°	96.2	96.3	96.9	98.7	98.7	100.8	103.2	107.6	112.8	122.5	133.5
80°	74.2	75.1	74.6	75.6	75.6	77.4	78.3	83.8	86.1	92.5	101.2
82.5°	54.4	55.3	55.2	56.5	57.3	57.6	58.9	61.0	63.4	69.1	72.6
85°	27.5	28.4	27.5	28.4	29.8	30.2	31.6	32.0	33.9	35.3	38.5
87.5°	14.0	15.1	15.0	15.2	15.9	16.1	16.2	15.6	16.8	16.9	18.0
90°	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7	23.3	22.0	20.2
92.5°	27.6	27.6	27.5	27.4	27.3	26.5	25.2	23.8	22.6	21.2	19.5
95°	29.0	28.8	28.6	28.3	28.2	27.4	26.0	24.7	23.3	22.0	21.8
97.5°	28.0	27.8	27.6	27.4	27.1	26.9	26.8	26.7	26.5	26.4	51.2
100°	28.0	27.8	27.6	27.4	27.1	28.9	32.7	36.4	40.2	44.0	74.7
102.5°	28.8	28.8	28.8	28.7	28.7	49.0	89.8	130.5	171.3	212.1	216.1
105°	285.2	293.2	301.1	309.1	317.1	320.1	318.1	316.2	314.2	312.1	311.0
107.5°	397.4	396.5	395.7	394.9	394.0	393.0	392.1	391.2	390.1	389.2	387.6
110°	446.2	445.6	444.9	444.2	443.5	443.0	442.6	442.1	441.6	441.2	439.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	495.0	494.2	493.4	492.5	491.6	491.3	491.4	491.5	491.5	491.6	491.0
115°	566.3	566.3	566.3	566.3	566.3	566.0	565.6	565.2	564.7	564.2	564.5
117.5°	638.7	638.8	638.9	638.9	639.0	639.1	639.2	639.3	639.4	639.5	639.0
120°	684.3	684.8	685.2	685.6	686.0	686.0	685.6	685.2	684.8	684.3	684.5
122.5°	729.1	729.5	730.0	730.5	730.9	731.0	730.7	730.5	730.2	730.0	729.6
125°	796.3	796.2	795.9	795.7	795.5	795.0	794.4	793.7	793.0	792.4	792.8
127.5°	855.4	855.6	855.7	855.9	856.1	856.3	856.4	856.5	856.6	856.8	855.7
130°	895.4	895.4	895.4	895.4	895.4	895.3	895.1	894.8	894.6	894.4	893.7
132.5°	932.2	932.4	932.5	932.7	932.9	932.9	932.7	932.5	932.2	932.0	931.2
135°	987.4	987.0	986.5	986.1	985.7	985.2	984.7	984.3	983.9	983.4	982.6
137.5°	1034.7	1034.7	1034.9	1035.1	1035.2	1035.0	1034.5	1034.1	1033.5	1033.0	1032.1
140°	1067.5	1067.2	1067.0	1066.8	1066.6	1066.2	1065.5	1064.8	1064.1	1063.5	1063.0
142.5°	1094.7	1094.7	1094.6	1094.6	1094.5	1094.2	1093.7	1093.3	1092.8	1092.3	1092.0
145°	1136.5	1136.1	1135.6	1135.1	1134.7	1134.4	1134.2	1133.9	1133.8	1133.5	1133.5
147.5°	1171.1	1170.9	1170.7	1170.4	1170.2	1170.0	1169.8	1169.7	1169.5	1169.3	1169.5
150°	1193.5	1193.3	1193.1	1192.8	1192.7	1192.5	1192.5	1192.5	1192.5	1192.5	1192.7
152.5°	1212.7	1212.9	1213.0	1213.1	1213.2	1213.1	1212.8	1212.5	1212.1	1211.8	1212.1
155°	1238.5	1239.2	1239.8	1240.5	1241.2	1241.1	1240.2	1239.3	1238.5	1237.5	1238.2
157.5°	1260.2	1261.3	1262.5	1263.6	1264.8	1264.8	1263.6	1262.5	1261.3	1260.2	1260.9
160°	1274.5	1275.9	1277.2	1278.6	1279.9	1279.9	1278.6	1277.2	1275.9	1274.5	1274.8
162.5°	1285.7	1287.3	1288.8	1290.3	1291.8	1291.9	1290.6	1289.3	1287.9	1286.6	1286.8
165°	1301.6	1303.6	1305.5	1307.6	1309.6	1309.7	1307.9	1306.1	1304.3	1302.6	1302.6
167.5°	1313.4	1315.6	1317.8	1320.1	1322.2	1322.4	1320.4	1318.5	1316.6	1314.6	1314.7
170°	1320.6	1322.8	1325.0	1327.2	1329.5	1329.7	1327.9	1326.1	1324.4	1322.6	1322.3
172.5°	1324.6	1327.0	1329.4	1331.8	1334.2	1334.5	1332.7	1330.9	1329.1	1327.4	1327.1
175°	1329.6	1332.2	1334.9	1337.6	1340.2	1340.6	1338.6	1336.6	1334.6	1332.6	1332.4
177.5°	1332.8	1334.9	1337.0	1339.2	1341.4	1341.7	1340.2	1338.9	1337.4	1336.0	1335.7
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1140.9	1135.8	1132.1	1129.2	1121.2	1116.4	1112.8	1107.6	1101.7	1095.5	1087.8
5°	1205.7	1190.1	1178.7	1161.2	1144.8	1131.0	1116.9	1104.1	1088.5	1071.5	1059.1
7.5°	1273.8	1250.6	1220.9	1195.2	1166.2	1141.0	1118.5	1095.5	1071.4	1048.2	1026.8
10°	1317.0	1287.2	1254.2	1215.3	1178.7	1146.2	1115.9	1086.7	1058.3	1029.8	1005.6
12.5°	1363.5	1326.4	1277.6	1232.2	1191.1	1147.6	1111.2	1075.3	1041.0	1011.2	982.8
15°	1425.9	1372.3	1316.0	1255.2	1201.1	1150.3	1100.4	1055.1	1016.6	977.1	949.7
17.5°	1464.3	1398.0	1333.6	1270.0	1204.6	1140.5	1086.7	1034.3	986.2	947.0	912.4
20°	1489.6	1423.7	1343.5	1279.9	1202.0	1136.1	1073.8	1015.6	965.3	923.6	887.9
22.5°	1511.6	1435.4	1355.2	1271.4	1193.9	1124.0	1055.8	997.3	945.9	902.0	867.7
25°	1523.5	1436.0	1349.0	1265.7	1177.8	1094.8	1033.0	964.4	909.4	863.2	826.6
27.5°	1524.7	1431.2	1332.8	1240.2	1149.4	1072.3	994.2	932.9	875.8	826.9	791.7
30°	1520.7	1423.2	1317.4	1217.1	1126.0	1042.2	974.5	907.6	849.5	800.9	764.2
32.5°	1507.9	1406.4	1297.6	1191.5	1097.1	1015.1	945.1	881.6	824.9	777.1	738.7
35°	1470.8	1370.5	1254.6	1144.4	1047.7	964.8	901.6	837.1	780.3	734.9	697.8
37.5°	1412.8	1322.2	1204.4	1090.2	995.3	912.1	849.5	791.1	739.9	693.8	655.8
40°	1362.3	1282.6	1164.5	1053.2	950.6	871.4	812.8	759.2	708.4	664.9	628.7
42.5°	1304.1	1234.6	1125.7	1007.8	908.9	829.3	772.1	724.0	676.1	635.9	599.8
45°	1200.1	1154.4	1051.8	942.9	839.8	764.7	710.2	668.1	627.8	588.4	558.2
47.5°	1080.7	1058.1	971.7	868.2	770.4	696.4	649.1	610.2	574.9	541.6	514.9
50°	1000.6	989.5	914.9	815.1	721.7	652.0	604.4	571.0	540.8	511.5	486.3
52.5°	921.4	921.0	853.8	762.3	675.9	608.8	561.5	530.4	504.2	480.4	457.7
55°	800.5	813.2	760.6	679.1	601.7	541.2	498.7	470.7	452.5	432.7	415.8
57.5°	689.3	710.6	667.2	595.4	530.8	475.1	438.1	417.1	397.5	385.6	373.3
60°	616.8	637.0	603.0	542.6	481.7	434.1	398.8	380.0	363.1	354.9	346.2
62.5°	552.3	570.3	545.2	489.1	436.3	390.5	360.8	342.7	331.2	322.3	316.5
65°	460.2	475.3	453.8	413.0	367.7	331.1	306.8	292.6	281.6	277.9	271.6
67.5°	372.0	385.7	374.1	339.5	303.2	275.3	256.4	242.8	236.3	233.1	228.5
70°	319.6	333.4	321.0	290.8	262.9	239.5	221.6	213.9	207.0	205.6	199.1
72.5°	275.3	284.6	272.2	248.7	224.7	205.1	191.2	183.0	179.5	177.0	173.6
75°	206.6	214.7	206.6	188.2	171.3	157.6	145.6	142.4	138.3	136.9	134.7
77.5°	146.2	153.3	147.0	135.5	122.9	112.3	105.9	101.8	100.8	98.4	99.5
80°	111.8	116.3	110.4	102.5	92.5	85.2	80.6	78.3	75.6	74.6	76.5
82.5°	80.2	82.2	79.2	74.0	66.5	61.7	58.6	56.0	55.4	55.6	55.6
85°	41.7	41.2	40.7	36.2	33.9	30.7	28.8	28.4	27.9	28.8	29.8
87.5°	17.7	17.7	16.9	15.0	13.4	11.8	11.0	10.2	11.0	11.8	12.7
90°	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0	5.4	7.9	10.3
92.5°	17.7	15.8	14.1	13.2	13.0	12.9	12.7	12.6	12.7	12.9	13.0
95°	21.5	21.4	21.1	24.8	32.4	39.9	47.4	55.0	47.4	39.9	32.4
97.5°	76.0	100.8	125.6	135.7	131.0	126.3	121.6	116.8	121.6	126.3	131.0
100°	105.4	136.0	166.8	180.1	176.1	172.1	168.1	164.1	168.1	172.1	176.1
102.5°	220.1	224.1	228.1	228.6	225.7	222.7	219.8	216.9	219.8	222.7	225.7
105°	309.9	308.8	307.7	306.4	305.1	303.8	302.5	301.1	302.5	303.8	305.1
107.5°	386.2	384.6	383.1	382.0	381.3	380.7	380.0	379.4	380.0	380.7	381.3
110°	438.5	437.2	435.8	434.9	434.2	433.5	432.8	432.2	432.8	433.5	434.2





TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	490.3	489.7	489.1	488.2	487.0	485.8	484.7	483.5	484.7	485.8	487.0
115°	564.7	564.9	565.2	564.9	564.2	563.6	562.9	562.2	562.9	563.6	564.2
117.5°	638.5	638.0	637.5	636.8	635.9	635.1	634.1	633.3	634.1	635.1	635.9
120°	684.8	685.0	685.2	684.8	684.0	683.1	682.2	681.3	682.2	683.1	684.0
122.5°	729.3	729.0	728.7	728.2	727.7	727.2	726.7	726.1	726.7	727.2	727.7
125°	793.2	793.7	794.1	793.9	793.0	792.1	791.3	790.3	791.3	792.1	793.0
127.5°	854.7	853.7	852.6	852.0	851.9	851.6	851.4	851.2	851.4	851.6	851.9
130°	893.0	892.4	891.7	891.3	891.0	890.9	890.6	890.4	890.6	890.9	891.0
132.5°	930.3	929.4	928.7	928.0	927.6	927.2	926.8	926.4	926.8	927.2	927.6
135°	981.6	980.8	979.9	979.6	979.7	980.0	980.2	980.4	980.2	980.0	979.7
137.5°	1031.1	1030.1	1029.2	1028.6	1028.6	1028.5	1028.4	1028.3	1028.4	1028.5	1028.6
140°	1062.6	1062.1	1061.7	1061.3	1060.8	1060.3	1059.9	1059.5	1059.9	1060.3	1060.8
142.5°	1091.7	1091.5	1091.2	1090.7	1089.9	1089.1	1088.3	1087.4	1088.3	1089.1	1089.9
145°	1133.5	1133.5	1133.5	1133.2	1132.5	1131.9	1131.2	1130.5	1131.2	1131.9	1132.5
147.5°	1169.8	1170.0	1170.2	1169.7	1168.5	1167.2	1166.0	1164.7	1166.0	1167.2	1168.5
150°	1193.0	1193.2	1193.4	1193.1	1192.2	1191.3	1190.4	1189.6	1190.4	1191.3	1192.2
152.5°	1212.5	1213.0	1213.3	1213.1	1212.5	1211.8	1211.1	1210.3	1211.1	1211.8	1212.5
155°	1238.9	1239.6	1240.2	1240.4	1240.2	1240.0	1239.8	1239.6	1239.8	1240.0	1240.2
157.5°	1261.7	1262.4	1263.2	1263.6	1263.8	1263.9	1264.0	1264.1	1264.0	1263.9	1263.8
160°	1275.0	1275.2	1275.5	1275.9	1276.6	1277.2	1277.9	1278.6	1277.9	1277.2	1276.6
162.5°	1287.0	1287.2	1287.5	1288.0	1288.8	1289.7	1290.6	1291.3	1290.6	1289.7	1288.8
165°	1302.6	1302.6	1302.6	1303.1	1304.2	1305.4	1306.5	1307.6	1306.5	1305.4	1304.2
167.5°	1314.8	1315.0	1315.1	1315.8	1316.9	1318.1	1319.2	1320.3	1319.2	1318.1	1316.9
170°	1322.2	1321.9	1321.7	1322.2	1323.6	1324.9	1326.3	1327.6	1326.3	1324.9	1323.6
172.5°	1327.0	1326.7	1326.5	1327.1	1328.4	1329.7	1331.0	1332.4	1331.0	1329.7	1328.4
175°	1332.1	1331.9	1331.7	1332.2	1333.6	1334.9	1336.3	1337.6	1336.3	1334.9	1333.6
177.5°	1335.2	1334.9	1334.6	1335.0	1336.3	1337.5	1338.8	1340.0	1338.8	1337.5	1336.3
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1084.2	1080.9	1076.1	1069.5	1064.0	1058.2	1056.7	1054.5	1058.9	1055.2	1054.1
5°	1048.6	1039.0	1026.7	1012.4	1004.2	992.3	990.0	985.4	980.9	980.4	975.8
7.5°	1011.0	996.9	980.7	966.2	952.8	939.8	931.3	929.4	922.7	918.8	914.2
10°	986.8	969.4	950.6	936.9	921.4	907.6	897.9	892.5	887.9	882.9	878.3
12.5°	958.2	939.7	924.3	909.4	890.9	880.5	864.6	855.1	854.2	854.3	842.4
15°	925.0	906.6	882.9	861.8	851.7	831.6	822.9	811.8	805.0	798.1	792.6
17.5°	887.0	864.2	845.6	821.4	802.2	786.2	774.7	768.1	757.8	748.0	741.0
20°	863.2	838.9	819.2	793.6	772.5	752.8	743.2	734.0	726.3	718.0	710.2
22.5°	839.0	813.6	789.5	764.7	745.0	724.3	715.0	702.5	695.1	690.5	682.8
25°	800.9	773.4	746.0	722.1	702.0	683.6	671.3	661.7	653.4	649.8	644.7
27.5°	759.5	732.2	705.7	678.6	655.7	642.5	632.6	625.3	620.5	615.7	613.5
30°	733.1	704.7	676.3	651.2	630.1	616.8	607.6	602.6	598.9	596.7	594.3
32.5°	706.4	678.4	648.5	625.5	606.7	594.9	587.9	582.8	581.0	580.1	579.4
35°	663.5	635.2	607.6	587.0	569.2	564.6	558.6	555.9	555.0	558.2	559.6
37.5°	622.0	595.6	570.4	550.4	538.7	532.0	529.9	530.1	533.4	536.2	539.5
40°	595.3	569.6	545.9	528.4	517.5	513.3	512.4	514.7	518.3	521.6	525.2
42.5°	569.3	544.0	522.4	506.1	498.4	494.6	495.2	497.5	502.6	506.5	512.0
45°	528.9	507.8	486.7	473.5	467.1	468.0	468.0	472.1	477.2	483.1	489.0
47.5°	490.9	469.7	452.3	441.2	437.8	437.0	439.6	445.0	452.2	459.6	467.9
50°	465.2	445.1	430.0	419.9	416.2	417.6	421.3	426.3	435.0	444.2	452.9
52.5°	439.2	420.9	406.9	397.5	395.0	397.4	401.1	409.1	416.7	426.6	437.1
55°	398.8	383.2	372.3	365.4	364.5	365.8	370.0	378.7	389.7	402.1	412.2
57.5°	358.6	345.6	335.5	330.8	331.2	332.5	339.3	349.7	361.4	374.5	387.5
60°	331.6	319.6	311.4	307.7	308.2	310.9	319.2	328.8	343.5	356.3	370.0
62.5°	305.9	295.4	287.6	284.3	283.6	289.6	297.6	307.5	322.2	336.5	351.3
65°	264.7	256.4	250.0	248.2	249.6	254.2	264.2	277.5	289.9	305.0	320.6
67.5°	224.4	217.6	213.2	214.0	215.7	222.5	230.9	242.3	256.3	272.0	287.4
70°	198.7	192.3	188.6	189.1	191.8	200.1	207.4	218.9	234.0	250.0	262.9
72.5°	172.4	168.2	164.9	166.8	169.5	175.2	184.3	195.8	209.1	224.0	237.5
75°	132.3	132.3	130.5	131.9	136.0	141.5	148.4	160.2	173.6	185.5	196.5
77.5°	98.2	97.2	98.3	100.0	102.4	108.9	116.8	125.3	135.3	147.1	156.3
80°	75.1	75.6	77.8	80.6	81.5	86.5	94.8	102.5	110.4	120.5	129.2
82.5°	56.4	56.9	58.0	61.6	62.4	67.8	73.2	80.9	88.0	94.8	102.0
85°	30.7	30.7	33.0	34.4	36.6	40.3	43.5	48.0	54.5	59.1	66.0
87.5°	14.3	14.7	16.5	17.7	19.0	21.3	22.2	26.5	28.2	30.4	33.8
90°	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7	26.0	27.4	28.2
92.5°	13.2	14.1	15.8	17.7	19.5	21.2	22.6	23.8	25.2	26.5	27.3
95°	24.8	21.1	21.4	21.5	21.8	22.0	23.3	24.7	26.0	27.4	28.2
97.5°	135.7	125.6	100.8	76.0	51.2	26.4	26.5	26.7	26.8	26.9	27.1
100°	180.1	166.8	136.0	105.4	74.7	44.0	40.2	36.4	32.7	28.9	27.1
102.5°	228.6	228.1	224.1	220.1	216.1	212.1	171.3	130.5	89.8	49.0	28.7
105°	306.4	307.7	308.8	309.9	311.0	312.1	314.2	316.2	318.1	320.1	317.1
107.5°	382.0	383.1	384.6	386.2	387.6	389.2	390.1	391.2	392.1	393.0	394.0
110°	434.9	435.8	437.2	438.5	439.9	441.2	441.6	442.1	442.6	443.0	443.5



TEST NUMBER: P332616-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	488.2	489.1	489.7	490.3	491.0	491.6	491.5	491.5	491.4	491.3	491.6
115°	564.9	565.2	564.9	564.7	564.5	564.2	564.7	565.2	565.6	566.0	566.3
117.5°	636.8	637.5	638.0	638.5	639.0	639.5	639.4	639.3	639.2	639.1	639.0
120°	684.8	685.2	685.0	684.8	684.5	684.3	684.8	685.2	685.6	686.0	686.0
122.5°	728.2	728.7	729.0	729.3	729.6	730.0	730.2	730.5	730.7	731.0	730.9
125°	793.9	794.1	793.7	793.2	792.8	792.4	793.0	793.7	794.4	795.0	795.5
127.5°	852.0	852.6	853.7	854.7	855.7	856.8	856.6	856.5	856.4	856.3	856.1
130°	891.3	891.7	892.4	893.0	893.7	894.4	894.6	894.8	895.1	895.3	895.4
132.5°	928.0	928.7	929.4	930.3	931.2	932.0	932.2	932.5	932.7	932.9	932.9
135°	979.6	979.9	980.8	981.6	982.6	983.4	983.9	984.3	984.7	985.2	985.7
137.5°	1028.6	1029.2	1030.1	1031.1	1032.1	1033.0	1033.5	1034.1	1034.5	1035.0	1035.2
140°	1061.3	1061.7	1062.1	1062.6	1063.0	1063.5	1064.1	1064.8	1065.5	1066.2	1066.6
142.5°	1090.7	1091.2	1091.5	1091.7	1092.0	1092.3	1092.8	1093.3	1093.7	1094.2	1094.5
145°	1133.2	1133.5	1133.5	1133.5	1133.5	1133.5	1133.8	1133.9	1134.2	1134.4	1134.7
147.5°	1169.7	1170.2	1170.0	1169.8	1169.5	1169.3	1169.5	1169.7	1169.8	1170.0	1170.2
150°	1193.1	1193.4	1193.2	1193.0	1192.7	1192.5	1192.5	1192.5	1192.5	1192.5	1192.7
152.5°	1213.1	1213.3	1213.0	1212.5	1212.1	1211.8	1212.1	1212.5	1212.8	1213.1	1213.2
155°	1240.4	1240.2	1239.6	1238.9	1238.2	1237.5	1238.5	1239.3	1240.2	1241.1	1241.2
157.5°	1263.6	1263.2	1262.4	1261.7	1260.9	1260.2	1261.3	1262.5	1263.6	1264.8	1264.8
160°	1275.9	1275.5	1275.2	1275.0	1274.8	1274.5	1275.9	1277.2	1278.6	1279.9	1279.9
162.5°	1288.0	1287.5	1287.2	1287.0	1286.8	1286.6	1287.9	1289.3	1290.6	1291.9	1291.8
165°	1303.1	1302.6	1302.6	1302.6	1302.6	1302.6	1304.3	1306.1	1307.9	1309.7	1309.6
167.5°	1315.8	1315.1	1315.0	1314.8	1314.7	1314.6	1316.6	1318.5	1320.4	1322.4	1322.2
170°	1322.2	1321.7	1321.9	1322.2	1322.3	1322.6	1324.4	1326.1	1327.9	1329.7	1329.5
172.5°	1327.1	1326.5	1326.7	1327.0	1327.1	1327.4	1329.1	1330.9	1332.7	1334.5	1334.2
175°	1332.2	1331.7	1331.9	1332.1	1332.4	1332.6	1334.6	1336.6	1338.6	1340.6	1340.2
177.5°	1335.0	1334.6	1334.9	1335.2	1335.7	1336.0	1337.4	1338.9	1340.2	1341.7	1341.4
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1053.3	1052.7	1050.1	1049.7	1050.1	1052.7	1053.3	1054.1	1055.2	1058.9	1054.5
5°	973.1	970.8	969.4	974.5	969.4	970.8	973.1	975.8	980.4	980.9	985.4
7.5°	912.5	910.7	906.6	905.4	906.6	910.7	912.5	914.2	918.8	922.7	929.4
10°	873.7	871.8	868.2	867.3	868.2	871.8	873.7	878.3	882.9	887.9	892.5
12.5°	836.3	832.7	831.9	832.8	831.9	832.7	836.3	842.4	854.3	854.2	855.1
15°	786.7	784.9	779.8	781.2	779.8	784.9	786.7	792.6	798.1	805.0	811.8
17.5°	737.8	735.6	729.4	734.9	729.4	735.6	737.8	741.0	748.0	757.8	768.1
20°	707.1	703.4	700.2	699.6	700.2	703.4	707.1	710.2	718.0	726.3	734.0
22.5°	677.7	674.4	674.2	671.1	674.2	674.4	677.7	682.8	690.5	695.1	702.5
25°	641.1	637.9	637.0	634.6	637.0	637.9	641.1	644.7	649.8	653.4	661.7
27.5°	612.9	611.4	609.8	610.4	609.8	611.4	612.9	613.5	615.7	620.5	625.3
30°	595.7	595.3	594.3	594.3	594.3	595.3	595.7	594.3	596.7	598.9	602.6
32.5°	581.4	581.3	581.9	581.9	581.9	581.3	581.4	579.4	580.1	581.0	582.8
35°	561.4	562.7	563.7	562.3	563.7	562.7	561.4	559.6	558.2	555.0	555.9
37.5°	543.3	544.7	546.0	547.5	546.0	544.7	543.3	539.5	536.2	533.4	530.1
40°	529.3	532.5	533.5	535.8	533.5	532.5	529.3	525.2	521.6	518.3	514.7
42.5°	516.2	519.7	522.1	522.5	522.1	519.7	516.2	512.0	506.5	502.6	497.5
45°	495.9	499.6	502.8	502.8	502.8	499.6	495.9	489.0	483.1	477.2	472.1
47.5°	474.9	480.3	483.5	484.3	483.5	480.3	474.9	467.9	459.6	452.2	445.0
50°	460.6	467.1	470.3	472.6	470.3	467.1	460.6	452.9	444.2	435.0	426.3
52.5°	446.8	453.1	457.4	458.7	457.4	453.1	446.8	437.1	426.6	416.7	409.1
55°	422.7	431.8	436.9	438.7	436.9	431.8	422.7	412.2	402.1	389.7	378.7
57.5°	399.9	408.4	414.2	415.6	414.2	408.4	399.9	387.5	374.5	361.4	349.7
60°	382.4	391.5	398.8	400.2	398.8	391.5	382.4	370.0	356.3	343.5	328.8
62.5°	364.4	373.9	380.6	384.1	380.6	373.9	364.4	351.3	336.5	322.2	307.5
65°	333.4	342.9	349.4	350.8	349.4	342.9	333.4	320.6	305.0	289.9	277.5
67.5°	299.5	309.1	313.3	316.0	313.3	309.1	299.5	287.4	272.0	256.3	242.3
70°	275.7	283.4	288.0	290.3	288.0	283.4	275.7	262.9	250.0	234.0	218.9
72.5°	248.6	256.7	262.0	262.4	262.0	256.7	248.6	237.5	224.0	209.1	195.8
75°	207.0	214.3	217.1	217.1	217.1	214.3	207.0	196.5	185.5	173.6	160.2
77.5°	163.8	167.6	171.1	171.8	171.1	167.6	163.8	156.3	147.1	135.3	125.3
80°	136.0	138.3	141.0	141.0	141.0	138.3	136.0	129.2	120.5	110.4	102.5
82.5°	107.5	109.3	112.1	111.8	112.1	109.3	107.5	102.0	94.8	88.0	80.9
85°	65.0	69.1	68.7	67.8	68.7	69.1	65.0	66.0	59.1	54.5	48.0
87.5°	35.0	35.5	36.7	37.5	36.7	35.5	35.0	33.8	30.4	28.2	26.5
90°	28.7	29.1	29.5	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7
92.5°	27.4	27.5	27.6	27.6	27.6	27.5	27.4	27.3	26.5	25.2	23.8
95°	28.3	28.6	28.8	29.0	28.8	28.6	28.3	28.2	27.4	26.0	24.7
97.5°	27.4	27.6	27.8	28.0	27.8	27.6	27.4	27.1	26.9	26.8	26.7
100°	27.4	27.6	27.8	28.0	27.8	27.6	27.4	27.1	28.9	32.7	36.4
102.5°	28.7	28.8	28.8	28.8	28.8	28.8	28.7	28.7	49.0	89.8	130.5
105°	309.1	301.1	293.2	285.2	293.2	301.1	309.1	317.1	320.1	318.1	316.2
107.5°	394.9	395.7	396.5	397.4	396.5	395.7	394.9	394.0	393.0	392.1	391.2
110°	444.2	444.9	445.6	446.2	445.6	444.9	444.2	443.5	443.0	442.6	442.1



TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	492.5	493.4	494.2	495.0	494.2	493.4	492.5	491.6	491.3	491.4	491.5
115°	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.0	565.6	565.2
117.5°	638.9	638.9	638.8	638.7	638.8	638.9	638.9	639.0	639.1	639.2	639.3
120°	685.6	685.2	684.8	684.3	684.8	685.2	685.6	686.0	686.0	685.6	685.2
122.5°	730.5	730.0	729.5	729.1	729.5	730.0	730.5	730.9	731.0	730.7	730.5
125°	795.7	795.9	796.2	796.3	796.2	795.9	795.7	795.5	795.0	794.4	793.7
127.5°	855.9	855.7	855.6	855.4	855.6	855.7	855.9	856.1	856.3	856.4	856.5
130°	895.4	895.4	895.4	895.4	895.4	895.4	895.4	895.4	895.3	895.1	894.8
132.5°	932.7	932.5	932.4	932.2	932.4	932.5	932.7	932.9	932.9	932.7	932.5
135°	986.1	986.5	987.0	987.4	987.0	986.5	986.1	985.7	985.2	984.7	984.3
137.5°	1035.1	1034.9	1034.7	1034.7	1034.7	1034.9	1035.1	1035.2	1035.0	1034.5	1034.1
140°	1066.8	1067.0	1067.2	1067.5	1067.2	1067.0	1066.8	1066.6	1066.2	1065.5	1064.8
142.5°	1094.6	1094.6	1094.7	1094.7	1094.7	1094.6	1094.6	1094.5	1094.2	1093.7	1093.3
145°	1135.1	1135.6	1136.1	1136.5	1136.1	1135.6	1135.1	1134.7	1134.4	1134.2	1133.9
147.5°	1170.4	1170.7	1170.9	1171.1	1170.9	1170.7	1170.4	1170.2	1170.0	1169.8	1169.7
150°	1192.8	1193.1	1193.3	1193.5	1193.3	1193.1	1192.8	1192.7	1192.5	1192.5	1192.5
152.5°	1213.1	1213.0	1212.9	1212.7	1212.9	1213.0	1213.1	1213.2	1213.1	1212.8	1212.5
155°	1240.5	1239.8	1239.2	1238.5	1239.2	1239.8	1240.5	1241.2	1241.1	1240.2	1239.3
157.5°	1263.6	1262.5	1261.3	1260.2	1261.3	1262.5	1263.6	1264.8	1264.8	1263.6	1262.5
160°	1278.6	1277.2	1275.9	1274.5	1275.9	1277.2	1278.6	1279.9	1279.9	1278.6	1277.2
162.5°	1290.3	1288.8	1287.3	1285.7	1287.3	1288.8	1290.3	1291.8	1291.9	1290.6	1289.3
165°	1307.6	1305.5	1303.6	1301.6	1303.6	1305.5	1307.6	1309.6	1309.7	1307.9	1306.1
167.5°	1320.1	1317.8	1315.6	1313.4	1315.6	1317.8	1320.1	1322.2	1322.4	1320.4	1318.5
170°	1327.2	1325.0	1322.8	1320.6	1322.8	1325.0	1327.2	1329.5	1329.7	1327.9	1326.1
172.5°	1331.8	1329.4	1327.0	1324.6	1327.0	1329.4	1331.8	1334.2	1334.5	1332.7	1330.9
175°	1337.6	1334.9	1332.2	1329.6	1332.2	1334.9	1337.6	1340.2	1340.6	1338.6	1336.6
177.5°	1339.2	1337.0	1334.9	1332.8	1334.9	1337.0	1339.2	1341.4	1341.7	1340.2	1338.9
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1056.7	1058.2	1064.0	1069.5	1076.1	1080.9	1084.2	1087.8	1095.5	1101.7	1107.6
5°	990.0	992.3	1004.2	1012.4	1026.7	1039.0	1048.6	1059.1	1071.5	1088.5	1104.1
7.5°	931.3	939.8	952.8	966.2	980.7	996.9	1011.0	1026.8	1048.2	1071.4	1095.5
10°	897.9	907.6	921.4	936.9	950.6	969.4	986.8	1005.6	1029.8	1058.3	1086.7
12.5°	864.6	880.5	890.9	909.4	924.3	939.7	958.2	982.8	1011.2	1041.0	1075.3
15°	822.9	831.6	851.7	861.8	882.9	906.6	925.0	949.7	977.1	1016.6	1055.1
17.5°	774.7	786.2	802.2	821.4	845.6	864.2	887.0	912.4	947.0	986.2	1034.3
20°	743.2	752.8	772.5	793.6	819.2	838.9	863.2	887.9	923.6	965.3	1015.6
22.5°	715.0	724.3	745.0	764.7	789.5	813.6	839.0	867.7	902.0	945.9	997.3
25°	671.3	683.6	702.0	722.1	746.0	773.4	800.9	826.6	863.2	909.4	964.4
27.5°	632.6	642.5	655.7	678.6	705.7	732.2	759.5	791.7	826.9	875.8	932.9
30°	607.6	616.8	630.1	651.2	676.3	704.7	733.1	764.2	800.9	849.5	907.6
32.5°	587.9	594.9	606.7	625.5	648.5	678.4	706.4	738.7	777.1	824.9	881.6
35°	558.6	564.6	569.2	587.0	607.6	635.2	663.5	697.8	734.9	780.3	837.1
37.5°	529.9	532.0	538.7	550.4	570.4	595.6	622.0	655.8	693.8	739.9	791.1
40°	512.4	513.3	517.5	528.4	545.9	569.6	595.3	628.7	664.9	708.4	759.2
42.5°	495.2	494.6	498.4	506.1	522.4	544.0	569.3	599.8	635.9	676.1	724.0
45°	468.0	468.0	467.1	473.5	486.7	507.8	528.9	558.2	588.4	627.8	668.1
47.5°	439.6	437.0	437.8	441.2	452.3	469.7	490.9	514.9	541.6	574.9	610.2
50°	421.3	417.6	416.2	419.9	430.0	445.1	465.2	486.3	511.5	540.8	571.0
52.5°	401.1	397.4	395.0	397.5	406.9	420.9	439.2	457.7	480.4	504.2	530.4
55°	370.0	365.8	364.5	365.4	372.3	383.2	398.8	415.8	432.7	452.5	470.7
57.5°	339.3	332.5	331.2	330.8	335.5	345.6	358.6	373.3	385.6	397.5	417.1
60°	319.2	310.9	308.2	307.7	311.4	319.6	331.6	346.2	354.9	363.1	380.0
62.5°	297.6	289.6	283.6	284.3	287.6	295.4	305.9	316.5	322.3	331.2	342.7
65°	264.2	254.2	249.6	248.2	250.0	256.4	264.7	271.6	277.9	281.6	292.6
67.5°	230.9	222.5	215.7	214.0	213.2	217.6	224.4	228.5	233.1	236.3	242.8
70°	207.4	200.1	191.8	189.1	188.6	192.3	198.7	199.1	205.6	207.0	213.9
72.5°	184.3	175.2	169.5	166.8	164.9	168.2	172.4	173.6	177.0	179.5	183.0
75°	148.4	141.5	136.0	131.9	130.5	132.3	132.3	134.7	136.9	138.3	142.4
77.5°	116.8	108.9	102.4	100.0	98.3	97.2	98.2	99.5	98.4	100.8	101.8
80°	94.8	86.5	81.5	80.6	77.8	75.6	75.1	76.5	74.6	75.6	78.3
82.5°	73.2	67.8	62.4	61.6	58.0	56.9	56.4	55.6	55.6	55.4	56.0
85°	43.5	40.3	36.6	34.4	33.0	30.7	30.7	29.8	28.8	27.9	28.4
87.5°	22.2	21.3	19.0	17.7	16.5	14.7	14.3	12.7	11.8	11.0	10.2
90°	23.3	22.0	20.2	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0
92.5°	22.6	21.2	19.5	17.7	15.8	14.1	13.2	13.0	12.9	12.7	12.6
95°	23.3	22.0	21.8	21.5	21.4	21.1	24.8	32.4	39.9	47.4	55.0
97.5°	26.5	26.4	51.2	76.0	100.8	125.6	135.7	131.0	126.3	121.6	116.8
100°	40.2	44.0	74.7	105.4	136.0	166.8	180.1	176.1	172.1	168.1	164.1
102.5°	171.3	212.1	216.1	220.1	224.1	228.1	228.6	225.7	222.7	219.8	216.9
105°	314.2	312.1	311.0	309.9	308.8	307.7	306.4	305.1	303.8	302.5	301.1
107.5°	390.1	389.2	387.6	386.2	384.6	383.1	382.0	381.3	380.7	380.0	379.4
110°	441.6	441.2	439.9	438.5	437.2	435.8	434.9	434.2	433.5	432.8	432.2



TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	491.5	491.6	491.0	490.3	489.7	489.1	488.2	487.0	485.8	484.7	483.5
115°	564.7	564.2	564.5	564.7	564.9	565.2	564.9	564.2	563.6	562.9	562.2
117.5°	639.4	639.5	639.0	638.5	638.0	637.5	636.8	635.9	635.1	634.1	633.3
120°	684.8	684.3	684.5	684.8	685.0	685.2	684.8	684.0	683.1	682.2	681.3
122.5°	730.2	730.0	729.6	729.3	729.0	728.7	728.2	727.7	727.2	726.7	726.1
125°	793.0	792.4	792.8	793.2	793.7	794.1	793.9	793.0	792.1	791.3	790.3
127.5°	856.6	856.8	855.7	854.7	853.7	852.6	852.0	851.9	851.6	851.4	851.2
130°	894.6	894.4	893.7	893.0	892.4	891.7	891.3	891.0	890.9	890.6	890.4
132.5°	932.2	932.0	931.2	930.3	929.4	928.7	928.0	927.6	927.2	926.8	926.4
135°	983.9	983.4	982.6	981.6	980.8	979.9	979.6	979.7	980.0	980.2	980.4
137.5°	1033.5	1033.0	1032.1	1031.1	1030.1	1029.2	1028.6	1028.6	1028.5	1028.4	1028.3
140°	1064.1	1063.5	1063.0	1062.6	1062.1	1061.7	1061.3	1060.8	1060.3	1059.9	1059.5
142.5°	1092.8	1092.3	1092.0	1091.7	1091.5	1091.2	1090.7	1089.9	1089.1	1088.3	1087.4
145°	1133.8	1133.5	1133.5	1133.5	1133.5	1133.5	1133.2	1132.5	1131.9	1131.2	1130.5
147.5°	1169.5	1169.3	1169.5	1169.8	1170.0	1170.2	1169.7	1168.5	1167.2	1166.0	1164.7
150°	1192.5	1192.5	1192.7	1193.0	1193.2	1193.4	1193.1	1192.2	1191.3	1190.4	1189.6
152.5°	1212.1	1211.8	1212.1	1212.5	1213.0	1213.3	1213.1	1212.5	1211.8	1211.1	1210.3
155°	1238.5	1237.5	1238.2	1238.9	1239.6	1240.2	1240.4	1240.2	1240.0	1239.8	1239.6
157.5°	1261.3	1260.2	1260.9	1261.7	1262.4	1263.2	1263.6	1263.8	1263.9	1264.0	1264.1
160°	1275.9	1274.5	1274.8	1275.0	1275.2	1275.5	1275.9	1276.6	1277.2	1277.9	1278.6
162.5°	1287.9	1286.6	1286.8	1287.0	1287.2	1287.5	1288.0	1288.8	1289.7	1290.6	1291.3
165°	1304.3	1302.6	1302.6	1302.6	1302.6	1302.6	1303.1	1304.2	1305.4	1306.5	1307.6
167.5°	1316.6	1314.6	1314.7	1314.8	1315.0	1315.1	1315.8	1316.9	1318.1	1319.2	1320.3
170°	1324.4	1322.6	1322.3	1322.2	1321.9	1321.7	1322.2	1323.6	1324.9	1326.3	1327.6
172.5°	1329.1	1327.4	1327.1	1327.0	1326.7	1326.5	1327.1	1328.4	1329.7	1331.0	1332.4
175°	1334.6	1332.6	1332.4	1332.1	1331.9	1331.7	1332.2	1333.6	1334.9	1336.3	1337.6
177.5°	1337.4	1336.0	1335.7	1335.2	1334.9	1334.6	1335.0	1336.3	1337.5	1338.8	1340.0
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



TEST NUMBER: P332616-935

CATALOG NUMBER: S124DIP-S795D1205U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.8	1116.4	1121.2	1129.2	1132.1	1135.8	1140.9	1140.6	1142.0	1147.5	1159.3
5°	1116.9	1131.0	1144.8	1161.2	1178.7	1190.1	1205.7	1215.3	1224.9	1237.3	1258.4
7.5°	1118.5	1141.0	1166.2	1195.2	1220.9	1250.6	1273.8	1295.5	1315.2	1341.4	1366.4
10°	1115.9	1146.2	1178.7	1215.3	1254.2	1287.2	1317.0	1350.8	1379.7	1411.3	1439.7
12.5°	1111.2	1147.6	1191.1	1232.2	1277.6	1326.4	1363.5	1397.7	1436.1	1472.5	1516.2
15°	1100.4	1150.3	1201.1	1255.2	1316.0	1372.3	1425.9	1470.3	1511.6	1566.1	1623.3
17.5°	1086.7	1140.5	1204.6	1270.0	1333.6	1398.0	1464.3	1531.1	1583.1	1650.8	1695.6
20°	1073.8	1136.1	1202.0	1279.9	1343.5	1423.7	1489.6	1554.2	1625.6	1692.9	1746.5
22.5°	1055.8	1124.0	1193.9	1271.4	1355.2	1435.4	1511.6	1581.7	1653.0	1726.2	1791.1
25°	1033.0	1094.8	1177.8	1265.7	1349.0	1436.0	1523.5	1611.4	1688.3	1765.7	1826.2
27.5°	994.2	1072.3	1149.4	1240.2	1332.8	1431.2	1524.7	1616.8	1697.4	1761.0	1798.5
30°	974.5	1042.2	1126.0	1217.1	1317.4	1423.2	1520.7	1610.9	1686.0	1736.9	1752.0
32.5°	945.1	1015.1	1097.1	1191.5	1297.6	1406.4	1507.9	1593.0	1655.6	1682.3	1664.1
35°	901.6	964.8	1047.7	1144.4	1254.6	1370.5	1470.8	1542.7	1574.8	1549.5	1486.9
37.5°	849.5	912.1	995.3	1090.2	1204.4	1322.2	1412.8	1464.6	1454.0	1391.3	1297.8
40°	812.8	871.4	950.6	1053.2	1164.5	1282.6	1362.3	1390.3	1360.9	1271.2	1171.8
42.5°	772.1	829.3	908.9	1007.8	1125.7	1234.6	1304.1	1306.3	1257.2	1150.0	1050.2
45°	710.2	764.7	839.8	942.9	1051.8	1154.4	1200.1	1177.8	1087.1	983.6	883.3
47.5°	649.1	696.4	770.4	868.2	971.7	1058.1	1080.7	1040.3	943.7	843.3	750.4
50°	604.4	652.0	721.7	815.1	914.9	989.5	1000.6	946.9	852.2	751.0	678.2
52.5°	561.5	608.8	675.9	762.3	853.8	921.0	921.4	859.5	765.0	674.8	607.1
55°	498.7	541.2	601.7	679.1	760.6	813.2	800.5	736.3	654.4	576.1	516.9
57.5°	438.1	475.1	530.8	595.4	667.2	710.6	689.3	627.6	554.4	488.0	443.2
60°	398.8	434.1	481.7	542.6	603.0	637.0	616.8	560.9	493.6	440.1	401.1
62.5°	360.8	390.5	436.3	489.1	545.2	570.3	552.3	497.2	439.0	390.6	359.0
65°	306.8	331.1	367.7	413.0	453.8	475.3	460.2	408.9	364.5	329.7	304.5
67.5°	256.4	275.3	303.2	339.5	374.1	385.7	372.0	336.3	298.7	270.8	253.0
70°	221.6	239.5	262.9	290.8	321.0	333.4	319.6	291.2	260.5	234.9	217.5
72.5°	191.2	205.1	224.7	248.7	272.2	284.6	275.3	248.0	222.1	203.0	188.2
75°	145.6	157.6	171.3	188.2	206.6	214.7	206.6	187.8	169.9	155.7	145.2
77.5°	105.9	112.3	122.9	135.5	147.0	153.3	146.2	133.5	122.5	112.8	107.6
80°	80.6	85.2	92.5	102.5	110.4	116.3	111.8	101.2	92.5	86.1	83.8
82.5°	58.6	61.7	66.5	74.0	79.2	82.2	80.2	72.6	69.1	63.4	61.0
85°	28.8	30.7	33.9	36.2	40.7	41.2	41.7	38.5	35.3	33.9	32.0
87.5°	11.0	11.8	13.4	15.0	16.9	17.7	17.7	18.0	16.9	16.8	15.6
90°	5.4	7.9	10.3	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7
92.5°	12.7	12.9	13.0	13.2	14.1	15.8	17.7	19.5	21.2	22.6	23.8
95°	47.4	39.9	32.4	24.8	21.1	21.4	21.5	21.8	22.0	23.3	24.7
97.5°	121.6	126.3	131.0	135.7	125.6	100.8	76.0	51.2	26.4	26.5	26.7
100°	168.1	172.1	176.1	180.1	166.8	136.0	105.4	74.7	44.0	40.2	36.4
102.5°	219.8	222.7	225.7	228.6	228.1	224.1	220.1	216.1	212.1	171.3	130.5
105°	302.5	303.8	305.1	306.4	307.7	308.8	309.9	311.0	312.1	314.2	316.2
107.5°	380.0	380.7	381.3	382.0	383.1	384.6	386.2	387.6	389.2	390.1	391.2
110°	432.8	433.5	434.2	434.9	435.8	437.2	438.5	439.9	441.2	441.6	442.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.7	485.8	487.0	488.2	489.1	489.7	490.3	491.0	491.6	491.5	491.5
115°	562.9	563.6	564.2	564.9	565.2	564.9	564.7	564.5	564.2	564.7	565.2
117.5°	634.1	635.1	635.9	636.8	637.5	638.0	638.5	639.0	639.5	639.4	639.3
120°	682.2	683.1	684.0	684.8	685.2	685.0	684.8	684.5	684.3	684.8	685.2
122.5°	726.7	727.2	727.7	728.2	728.7	729.0	729.3	729.6	730.0	730.2	730.5
125°	791.3	792.1	793.0	793.9	794.1	793.7	793.2	792.8	792.4	793.0	793.7
127.5°	851.4	851.6	851.9	852.0	852.6	853.7	854.7	855.7	856.8	856.6	856.5
130°	890.6	890.9	891.0	891.3	891.7	892.4	893.0	893.7	894.4	894.6	894.8
132.5°	926.8	927.2	927.6	928.0	928.7	929.4	930.3	931.2	932.0	932.2	932.5
135°	980.2	980.0	979.7	979.6	979.9	980.8	981.6	982.6	983.4	983.9	984.3
137.5°	1028.4	1028.5	1028.6	1028.6	1029.2	1030.1	1031.1	1032.1	1033.0	1033.5	1034.1
140°	1059.9	1060.3	1060.8	1061.3	1061.7	1062.1	1062.6	1063.0	1063.5	1064.1	1064.8
142.5°	1088.3	1089.1	1089.9	1090.7	1091.2	1091.5	1091.7	1092.0	1092.3	1092.8	1093.3
145°	1131.2	1131.9	1132.5	1133.2	1133.5	1133.5	1133.5	1133.5	1133.5	1133.8	1133.9
147.5°	1166.0	1167.2	1168.5	1169.7	1170.2	1170.0	1169.8	1169.5	1169.3	1169.5	1169.7
150°	1190.4	1191.3	1192.2	1193.1	1193.4	1193.2	1193.0	1192.7	1192.5	1192.5	1192.5
152.5°	1211.1	1211.8	1212.5	1213.1	1213.3	1213.0	1212.5	1212.1	1211.8	1212.1	1212.5
155°	1239.8	1240.0	1240.2	1240.4	1240.2	1239.6	1238.9	1238.2	1237.5	1238.5	1239.3
157.5°	1264.0	1263.9	1263.8	1263.6	1263.2	1262.4	1261.7	1260.9	1260.2	1261.3	1262.5
160°	1277.9	1277.2	1276.6	1275.9	1275.5	1275.2	1275.0	1274.8	1274.5	1275.9	1277.2
162.5°	1290.6	1289.7	1288.8	1288.0	1287.5	1287.2	1287.0	1286.8	1286.6	1287.9	1289.3
165°	1306.5	1305.4	1304.2	1303.1	1302.6	1302.6	1302.6	1302.6	1302.6	1304.3	1306.1
167.5°	1319.2	1318.1	1316.9	1315.8	1315.1	1315.0	1314.8	1314.7	1314.6	1316.6	1318.5
170°	1326.3	1324.9	1323.6	1322.2	1321.7	1321.9	1322.2	1322.3	1322.6	1324.4	1326.1
172.5°	1331.0	1329.7	1328.4	1327.1	1326.5	1326.7	1327.0	1327.1	1327.4	1329.1	1330.9
175°	1336.3	1334.9	1333.6	1332.2	1331.7	1331.9	1332.1	1332.4	1332.6	1334.6	1336.6
177.5°	1338.8	1337.5	1336.3	1335.0	1334.6	1334.9	1335.2	1335.7	1336.0	1337.4	1338.9
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1165.1	1165.9	1169.2	1171.7	1172.4	1176.1	1176.5
5°	1267.5	1275.3	1290.4	1291.8	1294.1	1306.0	1296.8
7.5°	1387.5	1407.2	1420.5	1432.1	1436.3	1441.5	1440.5
10°	1464.4	1493.7	1508.4	1531.7	1532.7	1538.6	1534.9
12.5°	1541.7	1575.8	1602.5	1606.8	1626.4	1629.4	1634.6
15°	1651.2	1687.4	1724.5	1737.8	1764.8	1771.2	1781.3
17.5°	1754.2	1791.1	1817.1	1851.5	1862.6	1877.4	1867.3
20°	1810.6	1850.9	1883.9	1910.9	1922.4	1930.5	1929.7
22.5°	1844.7	1885.3	1912.0	1932.5	1943.2	1946.7	1946.5
25°	1866.0	1889.4	1897.6	1905.4	1893.5	1889.4	1891.2
27.5°	1806.6	1800.6	1779.1	1750.8	1721.6	1698.3	1685.7
30°	1724.9	1689.3	1656.7	1599.9	1570.6	1553.2	1537.7
32.5°	1609.2	1552.6	1490.0	1438.0	1404.7	1378.9	1375.0
35°	1410.8	1325.7	1249.2	1185.5	1152.5	1124.6	1118.2
37.5°	1199.5	1110.9	1042.2	986.1	950.6	930.9	912.5
40°	1059.1	983.2	915.3	867.7	840.8	826.6	815.1
42.5°	951.1	881.7	814.2	778.0	753.5	744.9	738.1
45°	801.8	737.3	690.5	663.1	648.8	634.2	627.3
47.5°	682.3	629.7	598.9	575.6	560.4	551.7	547.3
50°	614.5	571.4	544.0	526.2	512.4	505.5	501.9
52.5°	554.4	519.1	496.0	481.8	472.5	467.4	466.0
55°	477.6	450.6	435.9	423.6	416.7	412.2	410.3
57.5°	415.2	394.3	382.5	372.3	369.6	365.8	364.5
60°	374.1	358.1	348.0	341.1	338.9	334.2	335.2
62.5°	337.9	324.8	316.2	312.2	309.2	305.3	306.6
65°	285.8	276.1	271.6	267.9	264.2	261.9	263.7
67.5°	239.8	233.2	227.0	224.8	223.0	222.7	220.7
70°	209.7	204.2	198.7	197.3	197.3	195.5	195.1
72.5°	180.8	176.8	173.1	172.1	170.7	171.3	169.4
75°	139.7	136.5	135.1	133.7	133.3	133.3	131.9
77.5°	103.2	100.8	98.7	98.7	96.9	96.3	96.2
80°	78.3	77.4	75.6	75.6	74.6	75.1	74.2
82.5°	58.9	57.6	57.3	56.5	55.2	55.3	54.4
85°	31.6	30.2	29.8	28.4	27.5	28.4	27.5
87.5°	16.2	16.1	15.9	15.2	15.0	15.1	14.0
90°	26.0	27.4	28.2	28.7	29.1	29.5	30.0
92.5°	25.2	26.5	27.3	27.4	27.5	27.6	27.6
95°	26.0	27.4	28.2	28.3	28.6	28.8	29.0
97.5°	26.8	26.9	27.1	27.4	27.6	27.8	28.0
100°	32.7	28.9	27.1	27.4	27.6	27.8	28.0
102.5°	89.8	49.0	28.7	28.7	28.8	28.8	28.8
105°	318.1	320.1	317.1	309.1	301.1	293.2	285.2
107.5°	392.1	393.0	394.0	394.9	395.7	396.5	397.4
110°	442.6	443.0	443.5	444.2	444.9	445.6	446.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	491.4	491.3	491.6	492.5	493.4	494.2	495.0
115°	565.6	566.0	566.3	566.3	566.3	566.3	566.3
117.5°	639.2	639.1	639.0	638.9	638.9	638.8	638.7
120°	685.6	686.0	686.0	685.6	685.2	684.8	684.3
122.5°	730.7	731.0	730.9	730.5	730.0	729.5	729.1
125°	794.4	795.0	795.5	795.7	795.9	796.2	796.3
127.5°	856.4	856.3	856.1	855.9	855.7	855.6	855.4
130°	895.1	895.3	895.4	895.4	895.4	895.4	895.4
132.5°	932.7	932.9	932.9	932.7	932.5	932.4	932.2
135°	984.7	985.2	985.7	986.1	986.5	987.0	987.4
137.5°	1034.5	1035.0	1035.2	1035.1	1034.9	1034.7	1034.7
140°	1065.5	1066.2	1066.6	1066.8	1067.0	1067.2	1067.5
142.5°	1093.7	1094.2	1094.5	1094.6	1094.6	1094.7	1094.7
145°	1134.2	1134.4	1134.7	1135.1	1135.6	1136.1	1136.5
147.5°	1169.8	1170.0	1170.2	1170.4	1170.7	1170.9	1171.1
150°	1192.5	1192.5	1192.7	1192.8	1193.1	1193.3	1193.5
152.5°	1212.8	1213.1	1213.2	1213.1	1213.0	1212.9	1212.7
155°	1240.2	1241.1	1241.2	1240.5	1239.8	1239.2	1238.5
157.5°	1263.6	1264.8	1264.8	1263.6	1262.5	1261.3	1260.2
160°	1278.6	1279.9	1279.9	1278.6	1277.2	1275.9	1274.5
162.5°	1290.6	1291.9	1291.8	1290.3	1288.8	1287.3	1285.7
165°	1307.9	1309.7	1309.6	1307.6	1305.5	1303.6	1301.6
167.5°	1320.4	1322.4	1322.2	1320.1	1317.8	1315.6	1313.4
170°	1327.9	1329.7	1329.5	1327.2	1325.0	1322.8	1320.6
172.5°	1332.7	1334.5	1334.2	1331.8	1329.4	1327.0	1324.6
175°	1338.6	1340.6	1340.2	1337.6	1334.9	1332.2	1329.6
177.5°	1340.2	1341.7	1341.4	1339.2	1337.0	1334.9	1332.8
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6

(END OF REPORT)