

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: P332616-830

Luminaire Tested: **SA4XXDIP-C795D1205U830-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332616-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C795D1205U830-4F0-1E-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**

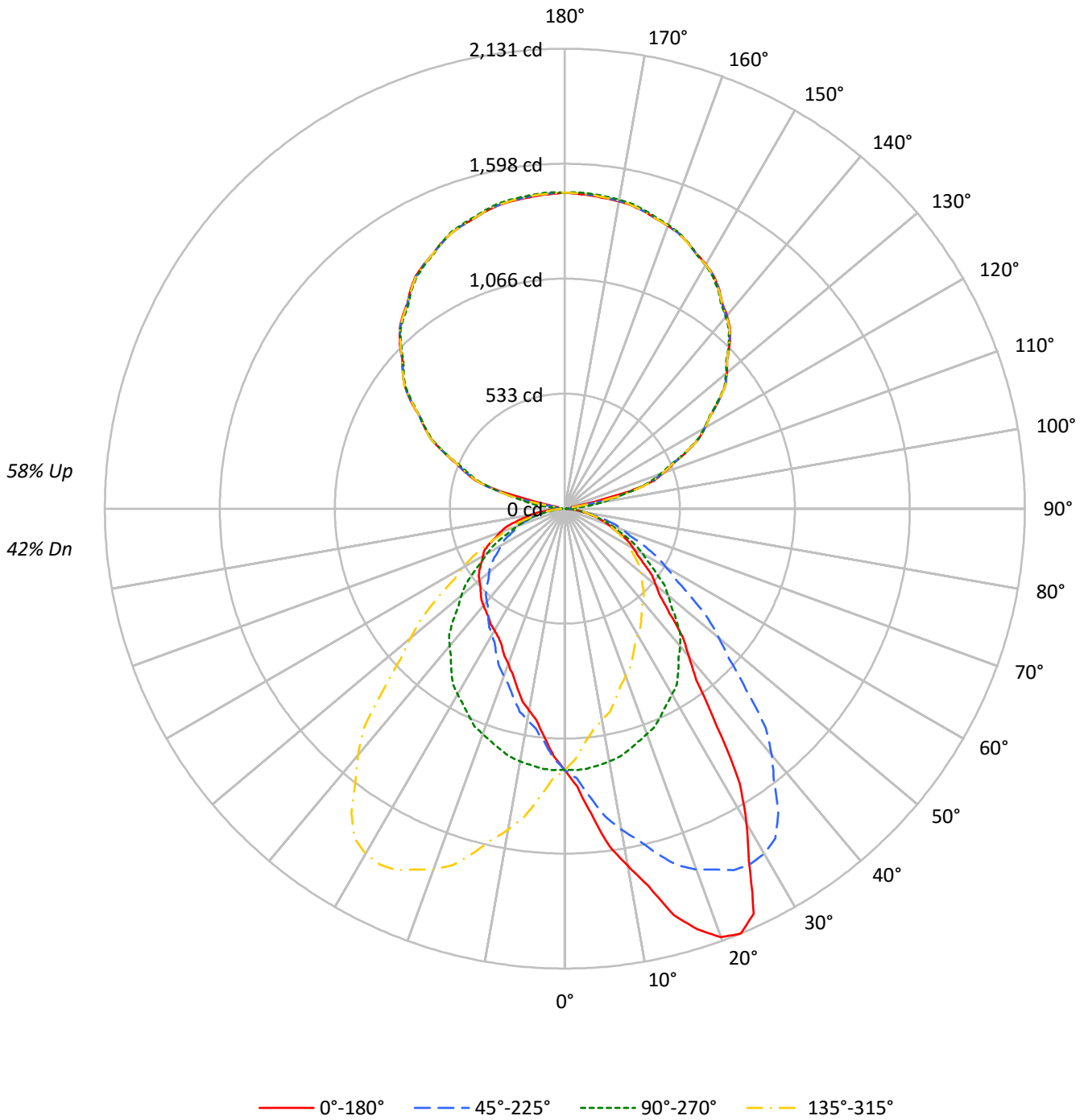
Lumens per Lamp: N/A  
Luminaire Lumens: 7872.3 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

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°	9769	9769	9769	9769
5°	11505	9794	8645	9794
10°	13774	9752	7783	9752
15°	16298	9653	7148	9653
20°	18148	9552	6580	9552
25°	18441	9404	6188	9404
30°	15691	9261	6065	9261
35°	12064	9030	6067	9030
40°	9403	8759	6181	8759
45°	7840	8350	6284	8350
50°	6900	7851	6498	7851
55°	6321	7253	6759	7253
60°	5924	6717	7074	6717
65°	5515	6118	7335	6118
70°	5042	5526	7501	5526
75°	4504	4863	7411	4863
80°	3775	3984	7178	3984
85°	2788	2881	6873	2881



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.9	1.5
10°-20°	363.4	4.6
20°-30°	576.2	7.3
30°-40°	641.2	8.1
40°-50°	583.7	7.4
50°-60°	477.0	6.1
60°-70°	340.5	4.3
70°-80°	187.5	2.4
80°-90°	55.4	0.7
90°-100°	50.1	0.6
100°-110°	319.3	4.1
110°-120°	610.8	7.8
120°-130°	775.4	9.9
130°-140°	829.7	10.5
140°-150°	775.8	9.9
150°-160°	625.7	7.9
160°-170°	403.5	5.1
170°-180°	139.1	1.8
0°-30°	1057.5	13.4
0°-40°	1698.7	21.6
0°-60°	2759.4	35.1
0°-90°	3342.9	42.5
90°-120°	980.2	12.5
90°-150°	3361.2	42.7
90°-180°	4529.0	57.5
0°-180°	7872.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1210	1210	1210	1210	1210	
5°	1420	1209	1067	1209	1420	144
15°	1950	1155	855	1155	1950	551
25°	2070	1056	695	1056	2070	913
35°	1224	916	616	916	1224	777
45°	687	731	550	731	687	541
55°	449	515	480	515	449	406
65°	289	320	384	320	289	286
75°	144	156	238	156	144	154
85°	30	31	74	31	30	38
90°	33	3	33	3	33	15
95°	32	60	32	60	32	25
105°	312	330	312	330	312	272
115°	620	616	620	616	620	614
125°	872	865	872	865	872	776
135°	1081	1073	1081	1073	1081	832
145°	1244	1238	1244	1238	1244	777
155°	1356	1357	1356	1357	1356	625
165°	1425	1431	1425	1431	1425	402
175°	1456	1464	1456	1464	1456	139
180°	1464	1464	1464	1464	1464	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1287.9	1287.5	1283.5	1282.7	1279.9	1276.3	1275.4	1269.0	1256.2	1250.2	1248.6
5°	1419.7	1429.6	1416.6	1414.1	1412.6	1396.1	1387.5	1377.5	1354.4	1341.0	1330.4
7.5°	1576.9	1578.0	1572.3	1567.7	1555.0	1540.5	1518.9	1495.8	1468.4	1439.7	1418.2
10°	1680.3	1684.3	1677.8	1676.8	1651.2	1635.2	1603.1	1576.0	1544.9	1510.3	1478.8
12.5°	1789.4	1783.8	1780.5	1759.0	1754.3	1725.0	1687.7	1659.8	1611.9	1572.2	1530.1
15°	1950.0	1939.0	1931.9	1902.3	1887.8	1847.2	1807.6	1777.1	1714.4	1654.7	1609.6
17.5°	2044.2	2055.2	2039.0	2026.8	1989.2	1960.8	1920.3	1856.1	1807.1	1733.1	1676.1
20°	2112.4	2113.4	2104.4	2091.9	2062.3	2026.2	1982.1	1911.9	1853.2	1779.5	1701.4
22.5°	2130.8	2131.1	2127.2	2115.5	2093.1	2063.9	2019.4	1960.8	1889.7	1809.6	1731.5
25°	2070.3	2068.3	2072.8	2085.8	2077.3	2068.3	2042.7	1999.1	1933.0	1848.2	1764.0
27.5°	1845.3	1859.2	1884.6	1916.7	1947.6	1971.1	1977.7	1968.8	1927.8	1858.1	1769.9
30°	1683.3	1700.3	1719.4	1751.4	1813.6	1849.3	1888.3	1917.9	1901.4	1845.7	1763.5
32.5°	1505.2	1509.5	1537.8	1574.2	1631.2	1699.7	1761.6	1821.7	1841.6	1812.4	1743.9
35°	1224.1	1231.1	1261.7	1297.8	1367.5	1451.2	1544.5	1627.7	1696.3	1723.9	1688.8
37.5°	998.9	1019.1	1040.7	1079.5	1140.9	1216.2	1313.1	1420.7	1523.1	1591.7	1603.3
40°	892.3	904.8	920.4	949.9	1002.0	1076.3	1159.4	1282.8	1391.6	1489.8	1521.9
42.5°	808.0	815.4	824.9	851.7	891.4	965.2	1041.1	1149.6	1258.9	1376.3	1430.0
45°	686.7	694.3	710.3	725.9	755.9	807.1	877.7	967.0	1076.8	1190.1	1289.3
47.5°	599.2	604.0	613.5	630.1	655.6	689.4	746.9	821.4	923.1	1033.1	1138.9
50°	549.4	553.4	560.9	576.0	595.5	625.6	672.7	742.4	822.1	932.9	1036.6
52.5°	510.1	511.7	517.3	527.4	543.0	568.3	606.9	664.6	738.7	837.4	940.8
55°	449.1	451.2	456.2	463.7	477.2	493.2	522.8	565.9	630.7	716.3	806.1
57.5°	399.0	400.4	404.6	407.6	418.7	431.7	454.5	485.2	534.2	606.9	687.0
60°	366.9	365.9	371.0	373.4	381.0	392.0	409.5	439.1	481.7	540.4	614.1
62.5°	335.6	334.2	338.5	341.8	346.1	355.5	369.9	393.0	427.6	480.6	544.3
65°	288.7	286.7	289.3	293.2	297.3	302.3	312.8	333.4	360.9	399.0	447.6
67.5°	241.6	243.7	244.1	246.1	248.5	255.2	262.5	277.0	296.4	327.0	368.2
70°	213.6	214.1	216.0	216.0	217.5	223.6	229.6	238.1	257.1	285.2	318.8
72.5°	185.5	187.6	186.8	188.4	189.5	193.5	197.9	206.0	222.3	243.1	271.5
75°	144.4	145.9	145.9	146.4	147.9	149.4	152.9	158.9	170.4	186.0	205.6
77.5°	105.3	105.5	106.1	108.0	108.0	110.4	113.0	117.8	123.5	134.1	146.1
80°	81.2	82.2	81.7	82.8	82.8	84.7	85.7	91.7	94.3	101.2	110.7
82.5°	59.6	60.5	60.4	61.8	62.7	63.1	64.5	66.8	69.4	75.6	79.5
85°	30.1	31.1	30.1	31.1	32.6	33.1	34.6	35.1	37.1	38.6	42.1
87.5°	15.4	16.5	16.4	16.7	17.4	17.6	17.7	17.1	18.4	18.5	19.7
90°	32.9	32.3	31.9	31.4	30.9	30.0	28.5	27.1	25.5	24.1	22.1
92.5°	30.3	30.2	30.1	30.0	29.9	29.0	27.6	26.1	24.7	23.2	21.3
95°	31.8	31.5	31.3	31.0	30.8	30.0	28.5	27.1	25.5	24.1	23.8
97.5°	30.6	30.4	30.2	30.0	29.7	29.5	29.3	29.2	29.0	28.9	56.1
100°	30.6	30.4	30.2	30.0	29.7	31.7	35.8	39.9	44.0	48.2	81.8
102.5°	31.6	31.5	31.5	31.4	31.4	53.6	98.3	142.9	187.6	232.1	236.6
105°	312.2	320.9	329.6	338.4	347.1	350.4	348.3	346.1	343.9	341.7	340.4
107.5°	435.0	434.0	433.2	432.3	431.3	430.3	429.2	428.2	427.1	426.0	424.3
110°	488.4	487.8	487.0	486.3	485.5	484.9	484.5	484.0	483.4	483.0	481.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	541.9	541.0	540.1	539.1	538.2	537.8	537.9	538.0	538.1	538.2	537.5
115°	619.9	619.9	619.9	619.9	619.9	619.6	619.2	618.7	618.2	617.6	617.9
117.5°	699.2	699.3	699.4	699.5	699.6	699.6	699.7	699.8	699.9	700.0	699.6
120°	749.1	749.6	750.1	750.5	751.0	751.0	750.5	750.1	749.6	749.1	749.3
122.5°	798.1	798.6	799.2	799.7	800.1	800.2	799.9	799.7	799.4	799.1	798.7
125°	871.8	871.6	871.3	871.0	870.8	870.3	869.6	868.8	868.1	867.4	867.9
127.5°	936.4	936.6	936.8	937.0	937.2	937.4	937.5	937.6	937.7	937.9	936.8
130°	980.1	980.1	980.1	980.1	980.1	980.1	979.9	979.6	979.3	979.1	978.4
132.5°	1020.5	1020.7	1020.9	1021.1	1021.2	1021.2	1021.1	1020.8	1020.5	1020.3	1019.4
135°	1080.9	1080.4	1080.0	1079.5	1079.0	1078.6	1078.0	1077.5	1077.0	1076.6	1075.6
137.5°	1132.7	1132.7	1132.9	1133.1	1133.2	1133.0	1132.5	1132.0	1131.4	1130.9	1129.8
140°	1168.6	1168.3	1168.1	1167.8	1167.6	1167.2	1166.4	1165.6	1164.9	1164.2	1163.7
142.5°	1198.3	1198.3	1198.3	1198.3	1198.2	1197.9	1197.3	1196.8	1196.3	1195.7	1195.4
145°	1244.2	1243.7	1243.1	1242.6	1242.2	1241.8	1241.6	1241.3	1241.1	1240.9	1240.9
147.5°	1282.0	1281.8	1281.6	1281.3	1281.0	1280.8	1280.6	1280.4	1280.3	1280.1	1280.3
150°	1306.6	1306.4	1306.1	1305.8	1305.6	1305.4	1305.4	1305.4	1305.4	1305.4	1305.7
152.5°	1327.6	1327.8	1327.9	1328.0	1328.1	1328.0	1327.7	1327.3	1326.9	1326.5	1326.9
155°	1355.8	1356.6	1357.3	1358.0	1358.8	1358.7	1357.6	1356.7	1355.8	1354.7	1355.5
157.5°	1379.5	1380.7	1382.1	1383.3	1384.6	1384.6	1383.3	1382.1	1380.7	1379.5	1380.4
160°	1395.2	1396.8	1398.2	1399.7	1401.1	1401.1	1399.7	1398.2	1396.8	1395.2	1395.5
162.5°	1407.5	1409.2	1410.9	1412.5	1414.2	1414.3	1412.8	1411.4	1409.9	1408.4	1408.6
165°	1424.8	1427.0	1429.2	1431.4	1433.6	1433.7	1431.8	1429.8	1427.9	1426.0	1426.0
167.5°	1437.8	1440.2	1442.7	1445.1	1447.5	1447.7	1445.5	1443.4	1441.2	1439.1	1439.3
170°	1445.7	1448.1	1450.5	1452.9	1455.4	1455.7	1453.7	1451.7	1449.8	1447.8	1447.6
172.5°	1450.0	1452.6	1455.3	1457.9	1460.6	1460.8	1459.0	1457.0	1455.0	1453.1	1452.8
175°	1455.5	1458.4	1461.3	1464.2	1467.2	1467.5	1465.4	1463.2	1460.9	1458.8	1458.6
177.5°	1459.1	1461.3	1463.7	1466.0	1468.4	1468.8	1467.2	1465.7	1464.1	1462.5	1462.2
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1249.0	1243.4	1239.3	1236.1	1227.4	1222.1	1218.1	1212.5	1206.1	1199.3	1190.8
5°	1319.8	1302.8	1290.3	1271.2	1253.2	1238.1	1222.7	1208.6	1191.6	1173.0	1159.4
7.5°	1394.4	1369.0	1336.5	1308.3	1276.7	1249.1	1224.5	1199.2	1172.9	1147.5	1124.1
10°	1441.7	1409.1	1373.0	1330.4	1290.3	1254.7	1221.6	1189.6	1158.5	1127.4	1100.8
12.5°	1492.6	1452.0	1398.6	1348.9	1303.9	1256.3	1216.4	1177.1	1139.6	1106.9	1075.9
15°	1560.9	1502.3	1440.7	1374.0	1314.8	1259.2	1204.6	1155.0	1112.9	1069.7	1039.6
17.5°	1603.0	1530.4	1459.9	1390.3	1318.7	1248.5	1189.6	1132.3	1079.6	1036.7	998.8
20°	1630.7	1558.5	1470.7	1401.1	1315.9	1243.7	1175.5	1111.8	1056.7	1011.1	971.9
22.5°	1654.7	1571.3	1483.6	1391.9	1307.0	1230.5	1155.8	1091.7	1035.5	987.4	949.9
25°	1667.7	1572.0	1476.8	1385.5	1289.3	1198.5	1130.9	1055.7	995.5	944.9	904.8
27.5°	1669.1	1566.8	1459.1	1357.6	1258.3	1173.8	1088.4	1021.2	958.8	905.2	866.7
30°	1664.7	1558.0	1442.2	1332.4	1232.7	1140.9	1066.8	993.5	929.9	876.8	836.6
32.5°	1650.7	1539.5	1420.5	1304.3	1201.0	1111.3	1034.6	965.1	903.1	850.6	808.6
35°	1610.1	1500.3	1373.5	1252.7	1146.9	1056.2	987.0	916.3	854.2	804.6	763.9
37.5°	1546.6	1447.4	1318.4	1193.4	1089.6	998.4	929.9	866.0	809.9	759.5	717.9
40°	1491.3	1404.1	1274.8	1152.9	1040.7	953.9	889.8	831.1	775.5	727.8	688.2
42.5°	1427.6	1351.5	1232.3	1103.2	994.9	907.9	845.3	792.6	740.2	696.2	656.6
45°	1313.8	1263.8	1151.4	1032.2	919.4	837.2	777.5	731.4	687.3	644.1	611.1
47.5°	1183.1	1158.3	1063.8	950.5	843.4	762.3	710.6	668.0	629.3	592.9	563.6
50°	1095.3	1083.3	1001.5	892.3	790.0	713.8	661.7	625.1	592.0	560.0	532.3
52.5°	1008.7	1008.2	934.6	834.5	739.9	666.5	614.7	580.6	552.0	525.8	501.1
55°	876.3	890.2	832.6	743.4	658.6	592.5	545.9	515.3	495.3	473.7	455.2
57.5°	754.6	777.9	730.4	651.8	581.1	520.1	479.6	456.6	435.2	422.2	408.7
60°	675.2	697.3	660.2	594.0	527.4	475.2	436.6	416.0	397.5	388.5	379.0
62.5°	604.6	624.3	596.8	535.5	477.6	427.5	394.9	375.1	362.6	352.8	346.5
65°	503.8	520.3	496.8	452.1	402.6	362.4	335.8	320.3	308.3	304.3	297.3
67.5°	407.3	422.3	409.5	371.6	331.9	301.4	280.7	265.8	258.6	255.1	250.2
70°	349.9	365.0	351.4	318.3	287.8	262.2	242.6	234.1	226.6	225.1	218.0
72.5°	301.3	311.6	298.0	272.2	246.0	224.5	209.3	200.4	196.5	193.8	190.0
75°	226.1	235.1	226.1	206.0	187.5	172.5	159.4	155.9	151.4	149.9	147.4
77.5°	160.0	167.9	160.9	148.4	134.5	122.9	115.9	111.4	110.4	107.7	109.0
80°	122.3	127.3	120.8	112.3	101.2	93.2	88.2	85.7	82.8	81.7	83.7
82.5°	87.8	90.0	86.7	81.0	72.8	67.6	64.2	61.3	60.7	60.9	60.9
85°	45.6	45.1	44.6	39.6	37.1	33.6	31.6	31.1	30.5	31.6	32.6
87.5°	19.3	19.3	18.5	16.4	14.7	12.9	12.1	11.1	12.1	12.9	13.9
90°	20.2	18.3	16.3	13.9	11.3	8.7	5.9	3.3	5.9	8.7	11.3
92.5°	19.3	17.3	15.5	14.4	14.2	14.1	13.9	13.8	13.9	14.1	14.2
95°	23.6	23.4	23.1	27.1	35.4	43.6	51.9	60.2	51.9	43.6	35.4
97.5°	83.2	110.4	137.5	148.5	143.4	138.3	133.1	127.9	133.1	138.3	143.4
100°	115.4	148.9	182.6	197.2	192.7	188.4	184.0	179.6	184.0	188.4	192.7
102.5°	240.9	245.3	249.7	250.2	247.0	243.8	240.6	237.4	240.6	243.8	247.0
105°	339.2	338.1	336.9	335.5	334.0	332.5	331.1	329.6	331.1	332.5	334.0
107.5°	422.7	421.0	419.4	418.2	417.5	416.8	416.0	415.3	416.0	416.8	417.5
110°	480.0	478.6	477.1	476.1	475.3	474.6	473.8	473.2	473.8	474.6	475.3





TEST NUMBER: P332616-830

CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	536.8	536.1	535.5	534.4	533.1	531.8	530.6	529.2	530.6	531.8	533.1
115°	618.2	618.4	618.7	618.4	617.6	617.0	616.2	615.5	616.2	617.0	617.6
117.5°	699.0	698.4	697.9	697.1	696.2	695.2	694.2	693.2	694.2	695.2	696.2
120°	749.6	749.9	750.1	749.7	748.8	747.8	746.8	745.8	746.8	747.8	748.8
122.5°	798.3	798.1	797.7	797.2	796.6	796.1	795.5	794.8	795.5	796.1	796.6
125°	868.4	868.8	869.3	869.1	868.1	867.1	866.2	865.2	866.2	867.1	868.1
127.5°	935.7	934.5	933.4	932.7	932.6	932.3	932.0	931.8	932.0	932.3	932.6
130°	977.6	976.9	976.2	975.7	975.4	975.2	975.0	974.7	975.0	975.2	975.4
132.5°	1018.4	1017.5	1016.6	1015.9	1015.5	1015.0	1014.6	1014.2	1014.6	1015.0	1015.5
135°	1074.6	1073.7	1072.7	1072.3	1072.5	1072.8	1073.1	1073.3	1073.1	1072.8	1072.5
137.5°	1128.8	1127.7	1126.6	1126.1	1126.0	1125.9	1125.8	1125.7	1125.8	1125.9	1126.0
140°	1163.2	1162.7	1162.2	1161.8	1161.3	1160.7	1160.3	1159.8	1160.3	1160.7	1161.3
142.5°	1195.1	1194.9	1194.6	1194.0	1193.1	1192.2	1191.4	1190.4	1191.4	1192.2	1193.1
145°	1240.9	1240.9	1240.9	1240.5	1239.7	1239.1	1238.3	1237.6	1238.3	1239.1	1239.7
147.5°	1280.5	1280.8	1281.0	1280.4	1279.1	1277.7	1276.4	1275.0	1276.4	1277.7	1279.1
150°	1306.0	1306.2	1306.5	1306.1	1305.1	1304.1	1303.2	1302.2	1303.2	1304.1	1305.1
152.5°	1327.4	1327.9	1328.2	1328.0	1327.3	1326.5	1325.8	1324.9	1325.8	1326.5	1327.3
155°	1356.2	1357.0	1357.6	1357.9	1357.6	1357.4	1357.2	1357.0	1357.2	1357.4	1357.6
157.5°	1381.2	1382.0	1382.8	1383.3	1383.5	1383.6	1383.7	1383.8	1383.7	1383.6	1383.5
160°	1395.7	1396.0	1396.3	1396.8	1397.5	1398.2	1398.9	1399.7	1398.9	1398.2	1397.5
162.5°	1408.9	1409.1	1409.4	1409.9	1410.9	1411.8	1412.8	1413.6	1412.8	1411.8	1410.9
165°	1426.0	1426.0	1426.0	1426.5	1427.8	1429.0	1430.2	1431.4	1430.2	1429.0	1427.8
167.5°	1439.4	1439.5	1439.6	1440.4	1441.6	1442.9	1444.2	1445.4	1444.2	1442.9	1441.6
170°	1447.4	1447.1	1446.9	1447.5	1449.0	1450.4	1451.9	1453.3	1451.9	1450.4	1449.0
172.5°	1452.6	1452.4	1452.1	1452.7	1454.2	1455.7	1457.1	1458.6	1457.1	1455.7	1454.2
175°	1458.3	1458.0	1457.8	1458.4	1459.9	1461.3	1462.8	1464.2	1462.8	1461.3	1459.9
177.5°	1461.7	1461.3	1460.9	1461.4	1462.8	1464.1	1465.6	1466.9	1465.6	1464.1	1462.8
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332616-830

CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1186.8	1183.3	1178.0	1170.8	1164.8	1158.4	1156.8	1154.3	1159.1	1155.2	1154.0
5°	1147.9	1137.4	1123.9	1108.3	1099.3	1086.3	1083.7	1078.7	1073.7	1073.3	1068.2
7.5°	1106.7	1091.3	1073.6	1057.7	1043.0	1028.8	1019.5	1017.5	1010.1	1005.8	1000.8
10°	1080.2	1061.2	1040.7	1025.6	1008.6	993.5	983.0	977.0	971.9	966.5	961.5
12.5°	1049.0	1028.7	1011.8	995.5	975.2	963.8	946.5	936.1	935.1	935.2	922.2
15°	1012.6	992.5	966.5	943.4	932.4	910.3	900.8	888.7	881.3	873.7	867.7
17.5°	971.0	946.0	925.7	899.2	878.2	860.6	848.1	840.8	829.5	818.9	811.2
20°	944.9	918.3	896.8	868.7	845.6	824.1	813.6	803.5	795.0	786.0	777.5
22.5°	918.4	890.7	864.3	837.1	815.6	792.9	782.7	769.0	760.9	755.9	747.4
25°	876.8	846.7	816.6	790.5	768.5	748.4	734.9	724.3	715.3	711.3	705.8
27.5°	831.4	801.5	772.5	742.9	717.8	703.3	692.5	684.6	679.3	674.0	671.6
30°	802.6	771.5	740.4	712.8	689.8	675.2	665.2	659.7	655.6	653.2	650.6
32.5°	773.3	742.6	709.9	684.8	664.1	651.2	643.6	638.0	636.0	635.1	634.2
35°	726.3	695.3	665.2	642.6	623.1	618.1	611.5	608.6	607.6	611.1	612.6
37.5°	680.9	652.1	624.4	602.6	589.7	582.4	580.1	580.3	583.9	587.0	590.6
40°	651.7	623.6	597.6	578.4	566.5	561.9	560.9	563.5	567.4	571.0	575.0
42.5°	623.2	595.5	571.8	554.0	545.6	541.5	542.1	544.6	550.2	554.5	560.5
45°	579.0	555.9	532.8	518.3	511.3	512.3	512.3	516.8	522.4	528.9	535.4
47.5°	537.3	514.2	495.1	483.0	479.3	478.4	481.3	487.1	495.0	503.1	512.2
50°	509.3	487.2	470.7	459.7	455.6	457.1	461.2	466.7	476.2	486.3	495.8
52.5°	480.8	460.8	445.4	435.2	432.4	435.1	439.1	447.8	456.2	467.0	478.5
55°	436.6	419.5	407.6	400.0	399.0	400.5	405.0	414.5	426.6	440.2	451.2
57.5°	392.6	378.3	367.3	362.1	362.6	364.0	371.5	382.8	395.6	410.0	424.2
60°	363.0	349.9	340.9	336.9	337.3	340.4	349.4	360.0	376.0	390.0	405.0
62.5°	334.9	323.4	314.8	311.2	310.5	317.1	325.7	336.7	352.7	368.3	384.6
65°	289.7	280.7	273.7	271.7	273.2	278.2	289.3	303.8	317.4	333.8	350.9
67.5°	245.6	238.2	233.4	234.3	236.1	243.6	252.8	265.2	280.6	297.7	314.6
70°	217.5	210.6	206.5	207.0	210.0	219.0	227.1	239.6	256.2	273.7	287.8
72.5°	188.7	184.1	180.5	182.6	185.6	191.8	201.8	214.3	228.8	245.2	260.0
75°	144.9	144.9	142.9	144.4	148.9	154.9	162.4	175.4	190.0	203.0	215.1
77.5°	107.4	106.4	107.6	109.5	112.1	119.2	127.8	137.1	148.1	161.1	171.1
80°	82.2	82.8	85.2	88.2	89.3	94.7	103.8	112.3	120.8	131.9	141.4
82.5°	61.7	62.3	63.5	67.4	68.3	74.3	80.1	88.6	96.3	103.8	111.7
85°	33.6	33.6	36.1	37.6	40.1	44.1	47.6	52.6	59.7	64.7	72.2
87.5°	15.6	16.1	18.1	19.3	20.8	23.3	24.3	29.0	30.9	33.3	37.0
90°	13.9	16.3	18.3	20.2	22.1	24.1	25.5	27.1	28.5	30.0	30.9
92.5°	14.4	15.5	17.3	19.3	21.3	23.2	24.7	26.1	27.6	29.0	29.9
95°	27.1	23.1	23.4	23.6	23.8	24.1	25.5	27.1	28.5	30.0	30.8
97.5°	148.5	137.5	110.4	83.2	56.1	28.9	29.0	29.2	29.3	29.5	29.7
100°	197.2	182.6	148.9	115.4	81.8	48.2	44.0	39.9	35.8	31.7	29.7
102.5°	250.2	249.7	245.3	240.9	236.6	232.1	187.6	142.9	98.3	53.6	31.4
105°	335.5	336.9	338.1	339.2	340.4	341.7	343.9	346.1	348.3	350.4	347.1
107.5°	418.2	419.4	421.0	422.7	424.3	426.0	427.1	428.2	429.2	430.3	431.3
110°	476.1	477.1	478.6	480.0	481.5	483.0	483.4	484.0	484.5	484.9	485.5



TEST NUMBER: P332616-830

CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	534.4	535.5	536.1	536.8	537.5	538.2	538.1	538.0	537.9	537.8	538.2
115°	618.4	618.7	618.4	618.2	617.9	617.6	618.2	618.7	619.2	619.6	619.9
117.5°	697.1	697.9	698.4	699.0	699.6	700.0	699.9	699.8	699.7	699.6	699.6
120°	749.7	750.1	749.9	749.6	749.3	749.1	749.6	750.1	750.5	751.0	751.0
122.5°	797.2	797.7	798.1	798.3	798.7	799.1	799.4	799.7	799.9	800.2	800.1
125°	869.1	869.3	868.8	868.4	867.9	867.4	868.1	868.8	869.6	870.3	870.8
127.5°	932.7	933.4	934.5	935.7	936.8	937.9	937.7	937.6	937.5	937.4	937.2
130°	975.7	976.2	976.9	977.6	978.4	979.1	979.3	979.6	979.9	980.1	980.1
132.5°	1015.9	1016.6	1017.5	1018.4	1019.4	1020.3	1020.5	1020.8	1021.1	1021.2	1021.2
135°	1072.3	1072.7	1073.7	1074.6	1075.6	1076.6	1077.0	1077.5	1078.0	1078.6	1079.0
137.5°	1126.1	1126.6	1127.7	1128.8	1129.8	1130.9	1131.4	1132.0	1132.5	1133.0	1133.2
140°	1161.8	1162.2	1162.7	1163.2	1163.7	1164.2	1164.9	1165.6	1166.4	1167.2	1167.6
142.5°	1194.0	1194.6	1194.9	1195.1	1195.4	1195.7	1196.3	1196.8	1197.3	1197.9	1198.2
145°	1240.5	1240.9	1240.9	1240.9	1240.9	1240.9	1241.1	1241.3	1241.6	1241.8	1242.2
147.5°	1280.4	1281.0	1280.8	1280.5	1280.3	1280.1	1280.3	1280.4	1280.6	1280.8	1281.0
150°	1306.1	1306.5	1306.2	1306.0	1305.7	1305.4	1305.4	1305.4	1305.4	1305.4	1305.6
152.5°	1328.0	1328.2	1327.9	1327.4	1326.9	1326.5	1326.9	1327.3	1327.7	1328.0	1328.1
155°	1357.9	1357.6	1357.0	1356.2	1355.5	1354.7	1355.8	1356.7	1357.6	1358.7	1358.8
157.5°	1383.3	1382.8	1382.0	1381.2	1380.4	1379.5	1380.7	1382.1	1383.3	1384.6	1384.6
160°	1396.8	1396.3	1396.0	1395.7	1395.5	1395.2	1396.8	1398.2	1399.7	1401.1	1401.1
162.5°	1409.9	1409.4	1409.1	1408.9	1408.6	1408.4	1409.9	1411.4	1412.8	1414.3	1414.2
165°	1426.5	1426.0	1426.0	1426.0	1426.0	1426.0	1427.9	1429.8	1431.8	1433.7	1433.6
167.5°	1440.4	1439.6	1439.5	1439.4	1439.3	1439.1	1441.2	1443.4	1445.5	1447.7	1447.5
170°	1447.5	1446.9	1447.1	1447.4	1447.6	1447.8	1449.8	1451.7	1453.7	1455.7	1455.4
172.5°	1452.7	1452.1	1452.4	1452.6	1452.8	1453.1	1455.0	1457.0	1459.0	1460.8	1460.6
175°	1458.4	1457.8	1458.0	1458.3	1458.6	1458.8	1460.9	1463.2	1465.4	1467.5	1467.2
177.5°	1461.4	1460.9	1461.3	1461.7	1462.2	1462.5	1464.1	1465.7	1467.2	1468.8	1468.4
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332616-830

CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1153.1	1152.4	1149.5	1149.1	1149.5	1152.4	1153.1	1154.0	1155.2	1159.1	1154.3
5°	1065.3	1062.7	1061.2	1066.8	1061.2	1062.7	1065.3	1068.2	1073.3	1073.7	1078.7
7.5°	998.9	996.9	992.5	991.2	992.5	996.9	998.9	1000.8	1005.8	1010.1	1017.5
10°	956.4	954.4	950.5	949.4	950.5	954.4	956.4	961.5	966.5	971.9	977.0
12.5°	915.5	911.5	910.7	911.7	910.7	911.5	915.5	922.2	935.2	935.1	936.1
15°	861.2	859.2	853.7	855.2	853.7	859.2	861.2	867.7	873.7	881.3	888.7
17.5°	807.7	805.2	798.5	804.5	798.5	805.2	807.7	811.2	818.9	829.5	840.8
20°	774.0	770.0	766.5	765.9	766.5	770.0	774.0	777.5	786.0	795.0	803.5
22.5°	741.9	738.3	738.0	734.7	738.0	738.3	741.9	747.4	755.9	760.9	769.0
25°	701.8	698.3	697.3	694.7	697.3	698.3	701.8	705.8	711.3	715.3	724.3
27.5°	671.0	669.3	667.5	668.3	667.5	669.3	671.0	671.6	674.0	679.3	684.6
30°	652.1	651.7	650.6	650.6	650.6	651.7	652.1	650.6	653.2	655.6	659.7
32.5°	636.5	636.4	637.1	637.1	637.1	636.4	636.5	634.2	635.1	636.0	638.0
35°	614.5	616.0	617.1	615.6	617.1	616.0	614.5	612.6	611.1	607.6	608.6
37.5°	594.7	596.3	597.7	599.4	597.7	596.3	594.7	590.6	587.0	583.9	580.3
40°	579.5	583.0	584.0	586.5	584.0	583.0	579.5	575.0	571.0	567.4	563.5
42.5°	565.1	568.9	571.6	572.0	571.6	568.9	565.1	560.5	554.5	550.2	544.6
45°	542.9	546.9	550.4	550.4	550.4	546.9	542.9	535.4	528.9	522.4	516.8
47.5°	519.9	525.8	529.2	530.2	529.2	525.8	519.9	512.2	503.1	495.0	487.1
50°	504.3	511.3	514.8	517.4	514.8	511.3	504.3	495.8	486.3	476.2	466.7
52.5°	489.1	496.1	500.8	502.1	500.8	496.1	489.1	478.5	467.0	456.2	447.8
55°	462.7	472.7	478.2	480.2	478.2	472.7	462.7	451.2	440.2	426.6	414.5
57.5°	437.8	447.0	453.5	455.0	453.5	447.0	437.8	424.2	410.0	395.6	382.8
60°	418.6	428.6	436.6	438.1	436.6	428.6	418.6	405.0	390.0	376.0	360.0
62.5°	398.9	409.3	416.6	420.5	416.6	409.3	398.9	384.6	368.3	352.7	336.7
65°	365.0	375.4	382.5	384.0	382.5	375.4	365.0	350.9	333.8	317.4	303.8
67.5°	327.8	338.4	343.0	345.9	343.0	338.4	327.8	314.6	297.7	280.6	265.2
70°	301.8	310.3	315.3	317.8	315.3	310.3	301.8	287.8	273.7	256.2	239.6
72.5°	272.1	281.0	286.8	287.3	286.8	281.0	272.1	260.0	245.2	228.8	214.3
75°	226.6	234.6	237.6	237.6	237.6	234.6	226.6	215.1	203.0	190.0	175.4
77.5°	179.4	183.5	187.3	188.0	187.3	183.5	179.4	171.1	161.1	148.1	137.1
80°	148.9	151.4	154.4	154.4	154.4	151.4	148.9	141.4	131.9	120.8	112.3
82.5°	117.6	119.7	122.7	122.3	122.7	119.7	117.6	111.7	103.8	96.3	88.6
85°	71.2	75.7	75.2	74.2	75.2	75.7	71.2	72.2	64.7	59.7	52.6
87.5°	38.4	38.8	40.2	41.1	40.2	38.8	38.4	37.0	33.3	30.9	29.0
90°	31.4	31.9	32.3	32.9	32.3	31.9	31.4	30.9	30.0	28.5	27.1
92.5°	30.0	30.1	30.2	30.3	30.2	30.1	30.0	29.9	29.0	27.6	26.1
95°	31.0	31.3	31.5	31.8	31.5	31.3	31.0	30.8	30.0	28.5	27.1
97.5°	30.0	30.2	30.4	30.6	30.4	30.2	30.0	29.7	29.5	29.3	29.2
100°	30.0	30.2	30.4	30.6	30.4	30.2	30.0	29.7	31.7	35.8	39.9
102.5°	31.4	31.5	31.5	31.6	31.5	31.5	31.4	31.4	53.6	98.3	142.9
105°	338.4	329.6	320.9	312.2	320.9	329.6	338.4	347.1	350.4	348.3	346.1
107.5°	432.3	433.2	434.0	435.0	434.0	433.2	432.3	431.3	430.3	429.2	428.2
110°	486.3	487.0	487.8	488.4	487.8	487.0	486.3	485.5	484.9	484.5	484.0



TEST NUMBER: P332616-830

CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	539.1	540.1	541.0	541.9	541.0	540.1	539.1	538.2	537.8	537.9	538.0
115°	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.6	619.2	618.7
117.5°	699.5	699.4	699.3	699.2	699.3	699.4	699.5	699.6	699.6	699.7	699.8
120°	750.5	750.1	749.6	749.1	749.6	750.1	750.5	751.0	751.0	750.5	750.1
122.5°	799.7	799.2	798.6	798.1	798.6	799.2	799.7	800.1	800.2	799.9	799.7
125°	871.0	871.3	871.6	871.8	871.6	871.3	871.0	870.8	870.3	869.6	868.8
127.5°	937.0	936.8	936.6	936.4	936.6	936.8	937.0	937.2	937.4	937.5	937.6
130°	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	979.9	979.6
132.5°	1021.1	1020.9	1020.7	1020.5	1020.7	1020.9	1021.1	1021.2	1021.2	1021.1	1020.8
135°	1079.5	1080.0	1080.4	1080.9	1080.4	1080.0	1079.5	1079.0	1078.6	1078.0	1077.5
137.5°	1133.1	1132.9	1132.7	1132.7	1132.7	1132.9	1133.1	1133.2	1133.0	1132.5	1132.0
140°	1167.8	1168.1	1168.3	1168.6	1168.3	1168.1	1167.8	1167.6	1167.2	1166.4	1165.6
142.5°	1198.3	1198.3	1198.3	1198.3	1198.3	1198.3	1198.3	1198.2	1197.9	1197.3	1196.8
145°	1242.6	1243.1	1243.7	1244.2	1243.7	1243.1	1242.6	1242.2	1241.8	1241.6	1241.3
147.5°	1281.3	1281.6	1281.8	1282.0	1281.8	1281.6	1281.3	1281.0	1280.8	1280.6	1280.4
150°	1305.8	1306.1	1306.4	1306.6	1306.4	1306.1	1305.8	1305.6	1305.4	1305.4	1305.4
152.5°	1328.0	1327.9	1327.8	1327.6	1327.8	1327.9	1328.0	1328.1	1328.0	1327.7	1327.3
155°	1358.0	1357.3	1356.6	1355.8	1356.6	1357.3	1358.0	1358.8	1358.7	1357.6	1356.7
157.5°	1383.3	1382.1	1380.7	1379.5	1380.7	1382.1	1383.3	1384.6	1384.6	1383.3	1382.1
160°	1399.7	1398.2	1396.8	1395.2	1396.8	1398.2	1399.7	1401.1	1401.1	1399.7	1398.2
162.5°	1412.5	1410.9	1409.2	1407.5	1409.2	1410.9	1412.5	1414.2	1414.3	1412.8	1411.4
165°	1431.4	1429.2	1427.0	1424.8	1427.0	1429.2	1431.4	1433.6	1433.7	1431.8	1429.8
167.5°	1445.1	1442.7	1440.2	1437.8	1440.2	1442.7	1445.1	1447.5	1447.7	1445.5	1443.4
170°	1452.9	1450.5	1448.1	1445.7	1448.1	1450.5	1452.9	1455.4	1455.7	1453.7	1451.7
172.5°	1457.9	1455.3	1452.6	1450.0	1452.6	1455.3	1457.9	1460.6	1460.8	1459.0	1457.0
175°	1464.2	1461.3	1458.4	1455.5	1458.4	1461.3	1464.2	1467.2	1467.5	1465.4	1463.2
177.5°	1466.0	1463.7	1461.3	1459.1	1461.3	1463.7	1466.0	1468.4	1468.8	1467.2	1465.7
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332616-830  
 CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1156.8	1158.4	1164.8	1170.8	1178.0	1183.3	1186.8	1190.8	1199.3	1206.1	1212.5
5°	1083.7	1086.3	1099.3	1108.3	1123.9	1137.4	1147.9	1159.4	1173.0	1191.6	1208.6
7.5°	1019.5	1028.8	1043.0	1057.7	1073.6	1091.3	1106.7	1124.1	1147.5	1172.9	1199.2
10°	983.0	993.5	1008.6	1025.6	1040.7	1061.2	1080.2	1100.8	1127.4	1158.5	1189.6
12.5°	946.5	963.8	975.2	995.5	1011.8	1028.7	1049.0	1075.9	1106.9	1139.6	1177.1
15°	900.8	910.3	932.4	943.4	966.5	992.5	1012.6	1039.6	1069.7	1112.9	1155.0
17.5°	848.1	860.6	878.2	899.2	925.7	946.0	971.0	998.8	1036.7	1079.6	1132.3
20°	813.6	824.1	845.6	868.7	896.8	918.3	944.9	971.9	1011.1	1056.7	1111.8
22.5°	782.7	792.9	815.6	837.1	864.3	890.7	918.4	949.9	987.4	1035.5	1091.7
25°	734.9	748.4	768.5	790.5	816.6	846.7	876.8	904.8	944.9	995.5	1055.7
27.5°	692.5	703.3	717.8	742.9	772.5	801.5	831.4	866.7	905.2	958.8	1021.2
30°	665.2	675.2	689.8	712.8	740.4	771.5	802.6	836.6	876.8	929.9	993.5
32.5°	643.6	651.2	664.1	684.8	709.9	742.6	773.3	808.6	850.6	903.1	965.1
35°	611.5	618.1	623.1	642.6	665.2	695.3	726.3	763.9	804.6	854.2	916.3
37.5°	580.1	582.4	589.7	602.6	624.4	652.1	680.9	717.9	759.5	809.9	866.0
40°	560.9	561.9	566.5	578.4	597.6	623.6	651.7	688.2	727.8	775.5	831.1
42.5°	542.1	541.5	545.6	554.0	571.8	595.5	623.2	656.6	696.2	740.2	792.6
45°	512.3	512.3	511.3	518.3	532.8	555.9	579.0	611.1	644.1	687.3	731.4
47.5°	481.3	478.4	479.3	483.0	495.1	514.2	537.3	563.6	592.9	629.3	668.0
50°	461.2	457.1	455.6	459.7	470.7	487.2	509.3	532.3	560.0	592.0	625.1
52.5°	439.1	435.1	432.4	435.2	445.4	460.8	480.8	501.1	525.8	552.0	580.6
55°	405.0	400.5	399.0	400.0	407.6	419.5	436.6	455.2	473.7	495.3	515.3
57.5°	371.5	364.0	362.6	362.1	367.3	378.3	392.6	408.7	422.2	435.2	456.6
60°	349.4	340.4	337.3	336.9	340.9	349.9	363.0	379.0	388.5	397.5	416.0
62.5°	325.7	317.1	310.5	311.2	314.8	323.4	334.9	346.5	352.8	362.6	375.1
65°	289.3	278.2	273.2	271.7	273.7	280.7	289.7	297.3	304.3	308.3	320.3
67.5°	252.8	243.6	236.1	234.3	233.4	238.2	245.6	250.2	255.1	258.6	265.8
70°	227.1	219.0	210.0	207.0	206.5	210.6	217.5	218.0	225.1	226.6	234.1
72.5°	201.8	191.8	185.6	182.6	180.5	184.1	188.7	190.0	193.8	196.5	200.4
75°	162.4	154.9	148.9	144.4	142.9	144.9	144.9	147.4	149.9	151.4	155.9
77.5°	127.8	119.2	112.1	109.5	107.6	106.4	107.4	109.0	107.7	110.4	111.4
80°	103.8	94.7	89.3	88.2	85.2	82.8	82.2	83.7	81.7	82.8	85.7
82.5°	80.1	74.3	68.3	67.4	63.5	62.3	61.7	60.9	60.9	60.7	61.3
85°	47.6	44.1	40.1	37.6	36.1	33.6	33.6	32.6	31.6	30.5	31.1
87.5°	24.3	23.3	20.8	19.3	18.1	16.1	15.6	13.9	12.9	12.1	11.1
90°	25.5	24.1	22.1	20.2	18.3	16.3	13.9	11.3	8.7	5.9	3.3
92.5°	24.7	23.2	21.3	19.3	17.3	15.5	14.4	14.2	14.1	13.9	13.8
95°	25.5	24.1	23.8	23.6	23.4	23.1	27.1	35.4	43.6	51.9	60.2
97.5°	29.0	28.9	56.1	83.2	110.4	137.5	148.5	143.4	138.3	133.1	127.9
100°	44.0	48.2	81.8	115.4	148.9	182.6	197.2	192.7	188.4	184.0	179.6
102.5°	187.6	232.1	236.6	240.9	245.3	249.7	250.2	247.0	243.8	240.6	237.4
105°	343.9	341.7	340.4	339.2	338.1	336.9	335.5	334.0	332.5	331.1	329.6
107.5°	427.1	426.0	424.3	422.7	421.0	419.4	418.2	417.5	416.8	416.0	415.3
110°	483.4	483.0	481.5	480.0	478.6	477.1	476.1	475.3	474.6	473.8	473.2



TEST NUMBER: P332616-830

CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	538.1	538.2	537.5	536.8	536.1	535.5	534.4	533.1	531.8	530.6	529.2
115°	618.2	617.6	617.9	618.2	618.4	618.7	618.4	617.6	617.0	616.2	615.5
117.5°	699.9	700.0	699.6	699.0	698.4	697.9	697.1	696.2	695.2	694.2	693.2
120°	749.6	749.1	749.3	749.6	749.9	750.1	749.7	748.8	747.8	746.8	745.8
122.5°	799.4	799.1	798.7	798.3	798.1	797.7	797.2	796.6	796.1	795.5	794.8
125°	868.1	867.4	867.9	868.4	868.8	869.3	869.1	868.1	867.1	866.2	865.2
127.5°	937.7	937.9	936.8	935.7	934.5	933.4	932.7	932.6	932.3	932.0	931.8
130°	979.3	979.1	978.4	977.6	976.9	976.2	975.7	975.4	975.2	975.0	974.7
132.5°	1020.5	1020.3	1019.4	1018.4	1017.5	1016.6	1015.9	1015.5	1015.0	1014.6	1014.2
135°	1077.0	1076.6	1075.6	1074.6	1073.7	1072.7	1072.3	1072.5	1072.8	1073.1	1073.3
137.5°	1131.4	1130.9	1129.8	1128.8	1127.7	1126.6	1126.1	1126.0	1125.9	1125.8	1125.7
140°	1164.9	1164.2	1163.7	1163.2	1162.7	1162.2	1161.8	1161.3	1160.7	1160.3	1159.8
142.5°	1196.3	1195.7	1195.4	1195.1	1194.9	1194.6	1194.0	1193.1	1192.2	1191.4	1190.4
145°	1241.1	1240.9	1240.9	1240.9	1240.9	1240.9	1240.5	1239.7	1239.1	1238.3	1237.6
147.5°	1280.3	1280.1	1280.3	1280.5	1280.8	1281.0	1280.4	1279.1	1277.7	1276.4	1275.0
150°	1305.4	1305.4	1305.7	1306.0	1306.2	1306.5	1306.1	1305.1	1304.1	1303.2	1302.2
152.5°	1326.9	1326.5	1326.9	1327.4	1327.9	1328.2	1328.0	1327.3	1326.5	1325.8	1324.9
155°	1355.8	1354.7	1355.5	1356.2	1357.0	1357.6	1357.9	1357.6	1357.4	1357.2	1357.0
157.5°	1380.7	1379.5	1380.4	1381.2	1382.0	1382.8	1383.3	1383.5	1383.6	1383.7	1383.8
160°	1396.8	1395.2	1395.5	1395.7	1396.0	1396.3	1396.8	1397.5	1398.2	1398.9	1399.7
162.5°	1409.9	1408.4	1408.6	1408.9	1409.1	1409.4	1409.9	1410.9	1411.8	1412.8	1413.6
165°	1427.9	1426.0	1426.0	1426.0	1426.0	1426.0	1426.5	1427.8	1429.0	1430.2	1431.4
167.5°	1441.2	1439.1	1439.3	1439.4	1439.5	1439.6	1440.4	1441.6	1442.9	1444.2	1445.4
170°	1449.8	1447.8	1447.6	1447.4	1447.1	1446.9	1447.5	1449.0	1450.4	1451.9	1453.3
172.5°	1455.0	1453.1	1452.8	1452.6	1452.4	1452.1	1452.7	1454.2	1455.7	1457.1	1458.6
175°	1460.9	1458.8	1458.6	1458.3	1458.0	1457.8	1458.4	1459.9	1461.3	1462.8	1464.2
177.5°	1464.1	1462.5	1462.2	1461.7	1461.3	1460.9	1461.4	1462.8	1464.1	1465.6	1466.9
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332616-830  
 CATALOG NUMBER: SA4XXDIP-C795D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1218.1	1222.1	1227.4	1236.1	1239.3	1243.4	1249.0	1248.6	1250.2	1256.2	1269.0
5°	1222.7	1238.1	1253.2	1271.2	1290.3	1302.8	1319.8	1330.4	1341.0	1354.4	1377.5
7.5°	1224.5	1249.1	1276.7	1308.3	1336.5	1369.0	1394.4	1418.2	1439.7	1468.4	1495.8
10°	1221.6	1254.7	1290.3	1330.4	1373.0	1409.1	1441.7	1478.8	1510.3	1544.9	1576.0
12.5°	1216.4	1256.3	1303.9	1348.9	1398.6	1452.0	1492.6	1530.1	1572.2	1611.9	1659.8
15°	1204.6	1259.2	1314.8	1374.0	1440.7	1502.3	1560.9	1609.6	1654.7	1714.4	1777.1
17.5°	1189.6	1248.5	1318.7	1390.3	1459.9	1530.4	1603.0	1676.1	1733.1	1807.1	1856.1
20°	1175.5	1243.7	1315.9	1401.1	1470.7	1558.5	1630.7	1701.4	1779.5	1853.2	1911.9
22.5°	1155.8	1230.5	1307.0	1391.9	1483.6	1571.3	1654.7	1731.5	1809.6	1889.7	1960.8
25°	1130.9	1198.5	1289.3	1385.5	1476.8	1572.0	1667.7	1764.0	1848.2	1933.0	1999.1
27.5°	1088.4	1173.8	1258.3	1357.6	1459.1	1566.8	1669.1	1769.9	1858.1	1927.8	1968.8
30°	1066.8	1140.9	1232.7	1332.4	1442.2	1558.0	1664.7	1763.5	1845.7	1901.4	1917.9
32.5°	1034.6	1111.3	1201.0	1304.3	1420.5	1539.5	1650.7	1743.9	1812.4	1841.6	1821.7
35°	987.0	1056.2	1146.9	1252.7	1373.5	1500.3	1610.1	1688.8	1723.9	1696.3	1627.7
37.5°	929.9	998.4	1089.6	1193.4	1318.4	1447.4	1546.6	1603.3	1591.7	1523.1	1420.7
40°	889.8	953.9	1040.7	1152.9	1274.8	1404.1	1491.3	1521.9	1489.8	1391.6	1282.8
42.5°	845.3	907.9	994.9	1103.2	1232.3	1351.5	1427.6	1430.0	1376.3	1258.9	1149.6
45°	777.5	837.2	919.4	1032.2	1151.4	1263.8	1313.8	1289.3	1190.1	1076.8	967.0
47.5°	710.6	762.3	843.4	950.5	1063.8	1158.3	1183.1	1138.9	1033.1	923.1	821.4
50°	661.7	713.8	790.0	892.3	1001.5	1083.3	1095.3	1036.6	932.9	822.1	742.4
52.5°	614.7	666.5	739.9	834.5	934.6	1008.2	1008.7	940.8	837.4	738.7	664.6
55°	545.9	592.5	658.6	743.4	832.6	890.2	876.3	806.1	716.3	630.7	565.9
57.5°	479.6	520.1	581.1	651.8	730.4	777.9	754.6	687.0	606.9	534.2	485.2
60°	436.6	475.2	527.4	594.0	660.2	697.3	675.2	614.1	540.4	481.7	439.1
62.5°	394.9	427.5	477.6	535.5	596.8	624.3	604.6	544.3	480.6	427.6	393.0
65°	335.8	362.4	402.6	452.1	496.8	520.3	503.8	447.6	399.0	360.9	333.4
67.5°	280.7	301.4	331.9	371.6	409.5	422.3	407.3	368.2	327.0	296.4	277.0
70°	242.6	262.2	287.8	318.3	351.4	365.0	349.9	318.8	285.2	257.1	238.1
72.5°	209.3	224.5	246.0	272.2	298.0	311.6	301.3	271.5	243.1	222.3	206.0
75°	159.4	172.5	187.5	206.0	226.1	235.1	226.1	205.6	186.0	170.4	158.9
77.5°	115.9	122.9	134.5	148.4	160.9	167.9	160.0	146.1	134.1	123.5	117.8
80°	88.2	93.2	101.2	112.3	120.8	127.3	122.3	110.7	101.2	94.3	91.7
82.5°	64.2	67.6	72.8	81.0	86.7	90.0	87.8	79.5	75.6	69.4	66.8
85°	31.6	33.6	37.1	39.6	44.6	45.1	45.6	42.1	38.6	37.1	35.1
87.5°	12.1	12.9	14.7	16.4	18.5	19.3	19.3	19.7	18.5	18.4	17.1
90°	5.9	8.7	11.3	13.9	16.3	18.3	20.2	22.1	24.1	25.5	27.1
92.5°	13.9	14.1	14.2	14.4	15.5	17.3	19.3	21.3	23.2	24.7	26.1
95°	51.9	43.6	35.4	27.1	23.1	23.4	23.6	23.8	24.1	25.5	27.1
97.5°	133.1	138.3	143.4	148.5	137.5	110.4	83.2	56.1	28.9	29.0	29.2
100°	184.0	188.4	192.7	197.2	182.6	148.9	115.4	81.8	48.2	44.0	39.9
102.5°	240.6	243.8	247.0	250.2	249.7	245.3	240.9	236.6	232.1	187.6	142.9
105°	331.1	332.5	334.0	335.5	336.9	338.1	339.2	340.4	341.7	343.9	346.1
107.5°	416.0	416.8	417.5	418.2	419.4	421.0	422.7	424.3	426.0	427.1	428.2
110°	473.8	474.6	475.3	476.1	477.1	478.6	480.0	481.5	483.0	483.4	484.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	530.6	531.8	533.1	534.4	535.5	536.1	536.8	537.5	538.2	538.1	538.0
115°	616.2	617.0	617.6	618.4	618.7	618.4	618.2	617.9	617.6	618.2	618.7
117.5°	694.2	695.2	696.2	697.1	697.9	698.4	699.0	699.6	700.0	699.9	699.8
120°	746.8	747.8	748.8	749.7	750.1	749.9	749.6	749.3	749.1	749.6	750.1
122.5°	795.5	796.1	796.6	797.2	797.7	798.1	798.3	798.7	799.1	799.4	799.7
125°	866.2	867.1	868.1	869.1	869.3	868.8	868.4	867.9	867.4	868.1	868.8
127.5°	932.0	932.3	932.6	932.7	933.4	934.5	935.7	936.8	937.9	937.7	937.6
130°	975.0	975.2	975.4	975.7	976.2	976.9	977.6	978.4	979.1	979.3	979.6
132.5°	1014.6	1015.0	1015.5	1015.9	1016.6	1017.5	1018.4	1019.4	1020.3	1020.5	1020.8
135°	1073.1	1072.8	1072.5	1072.3	1072.7	1073.7	1074.6	1075.6	1076.6	1077.0	1077.5
137.5°	1125.8	1125.9	1126.0	1126.1	1126.6	1127.7	1128.8	1129.8	1130.9	1131.4	1132.0
140°	1160.3	1160.7	1161.3	1161.8	1162.2	1162.7	1163.2	1163.7	1164.2	1164.9	1165.6
142.5°	1191.4	1192.2	1193.1	1194.0	1194.6	1194.9	1195.1	1195.4	1195.7	1196.3	1196.8
145°	1238.3	1239.1	1239.7	1240.5	1240.9	1240.9	1240.9	1240.9	1240.9	1241.1	1241.3
147.5°	1276.4	1277.7	1279.1	1280.4	1281.0	1280.8	1280.5	1280.3	1280.1	1280.3	1280.4
150°	1303.2	1304.1	1305.1	1306.1	1306.5	1306.2	1306.0	1305.7	1305.4	1305.4	1305.4
152.5°	1325.8	1326.5	1327.3	1328.0	1328.2	1327.9	1327.4	1326.9	1326.5	1326.9	1327.3
155°	1357.2	1357.4	1357.6	1357.9	1357.6	1357.0	1356.2	1355.5	1354.7	1355.8	1356.7
157.5°	1383.7	1383.6	1383.5	1383.3	1382.8	1382.0	1381.2	1380.4	1379.5	1380.7	1382.1
160°	1398.9	1398.2	1397.5	1396.8	1396.3	1396.0	1395.7	1395.5	1395.2	1396.8	1398.2
162.5°	1412.8	1411.8	1410.9	1409.9	1409.4	1409.1	1408.9	1408.6	1408.4	1409.9	1411.4
165°	1430.2	1429.0	1427.8	1426.5	1426.0	1426.0	1426.0	1426.0	1426.0	1427.9	1429.8
167.5°	1444.2	1442.9	1441.6	1440.4	1439.6	1439.5	1439.4	1439.3	1439.1	1441.2	1443.4
170°	1451.9	1450.4	1449.0	1447.5	1446.9	1447.1	1447.4	1447.6	1447.8	1449.8	1451.7
172.5°	1457.1	1455.7	1454.2	1452.7	1452.1	1452.4	1452.6	1452.8	1453.1	1455.0	1457.0
175°	1462.8	1461.3	1459.9	1458.4	1457.8	1458.0	1458.3	1458.6	1458.8	1460.9	1463.2
177.5°	1465.6	1464.1	1462.8	1461.4	1460.9	1461.3	1461.7	1462.2	1462.5	1464.1	1465.7
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1275.4	1276.3	1279.9	1282.7	1283.5	1287.5	1287.9
5°	1387.5	1396.1	1412.6	1414.1	1416.6	1429.6	1419.7
7.5°	1518.9	1540.5	1555.0	1567.7	1572.3	1578.0	1576.9
10°	1603.1	1635.2	1651.2	1676.8	1677.8	1684.3	1680.3
12.5°	1687.7	1725.0	1754.3	1759.0	1780.5	1783.8	1789.4
15°	1807.6	1847.2	1887.8	1902.3	1931.9	1939.0	1950.0
17.5°	1920.3	1960.8	1989.2	2026.8	2039.0	2055.2	2044.2
20°	1982.1	2026.2	2062.3	2091.9	2104.4	2113.4	2112.4
22.5°	2019.4	2063.9	2093.1	2115.5	2127.2	2131.1	2130.8
25°	2042.7	2068.3	2077.3	2085.8	2072.8	2068.3	2070.3
27.5°	1977.7	1971.1	1947.6	1916.7	1884.6	1859.2	1845.3
30°	1888.3	1849.3	1813.6	1751.4	1719.4	1700.3	1683.3
32.5°	1761.6	1699.7	1631.2	1574.2	1537.8	1509.5	1505.2
35°	1544.5	1451.2	1367.5	1297.8	1261.7	1231.1	1224.1
37.5°	1313.1	1216.2	1140.9	1079.5	1040.7	1019.1	998.9
40°	1159.4	1076.3	1002.0	949.9	920.4	904.8	892.3
42.5°	1041.1	965.2	891.4	851.7	824.9	815.4	808.0
45°	877.7	807.1	755.9	725.9	710.3	694.3	686.7
47.5°	746.9	689.4	655.6	630.1	613.5	604.0	599.2
50°	672.7	625.6	595.5	576.0	560.9	553.4	549.4
52.5°	606.9	568.3	543.0	527.4	517.3	511.7	510.1
55°	522.8	493.2	477.2	463.7	456.2	451.2	449.1
57.5°	454.5	431.7	418.7	407.6	404.6	400.4	399.0
60°	409.5	392.0	381.0	373.4	371.0	365.9	366.9
62.5°	369.9	355.5	346.1	341.8	338.5	334.2	335.6
65°	312.8	302.3	297.3	293.2	289.3	286.7	288.7
67.5°	262.5	255.2	248.5	246.1	244.1	243.7	241.6
70°	229.6	223.6	217.5	216.0	216.0	214.1	213.6
72.5°	197.9	193.5	189.5	188.4	186.8	187.6	185.5
75°	152.9	149.4	147.9	146.4	145.9	145.9	144.4
77.5°	113.0	110.4	108.0	108.0	106.1	105.5	105.3
80°	85.7	84.7	82.8	82.8	81.7	82.2	81.2
82.5°	64.5	63.1	62.7	61.8	60.4	60.5	59.6
85°	34.6	33.1	32.6	31.1	30.1	31.1	30.1
87.5°	17.7	17.6	17.4	16.7	16.4	16.5	15.4
90°	28.5	30.0	30.9	31.4	31.9	32.3	32.9
92.5°	27.6	29.0	29.9	30.0	30.1	30.2	30.3
95°	28.5	30.0	30.8	31.0	31.3	31.5	31.8
97.5°	29.3	29.5	29.7	30.0	30.2	30.4	30.6
100°	35.8	31.7	29.7	30.0	30.2	30.4	30.6
102.5°	98.3	53.6	31.4	31.4	31.5	31.5	31.6
105°	348.3	350.4	347.1	338.4	329.6	320.9	312.2
107.5°	429.2	430.3	431.3	432.3	433.2	434.0	435.0
110°	484.5	484.9	485.5	486.3	487.0	487.8	488.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	537.9	537.8	538.2	539.1	540.1	541.0	541.9
115°	619.2	619.6	619.9	619.9	619.9	619.9	619.9
117.5°	699.7	699.6	699.6	699.5	699.4	699.3	699.2
120°	750.5	751.0	751.0	750.5	750.1	749.6	749.1
122.5°	799.9	800.2	800.1	799.7	799.2	798.6	798.1
125°	869.6	870.3	870.8	871.0	871.3	871.6	871.8
127.5°	937.5	937.4	937.2	937.0	936.8	936.6	936.4
130°	979.9	980.1	980.1	980.1	980.1	980.1	980.1
132.5°	1021.1	1021.2	1021.2	1021.1	1020.9	1020.7	1020.5
135°	1078.0	1078.6	1079.0	1079.5	1080.0	1080.4	1080.9
137.5°	1132.5	1133.0	1133.2	1133.1	1132.9	1132.7	1132.7
140°	1166.4	1167.2	1167.6	1167.8	1168.1	1168.3	1168.6
142.5°	1197.3	1197.9	1198.2	1198.3	1198.3	1198.3	1198.3
145°	1241.6	1241.8	1242.2	1242.6	1243.1	1243.7	1244.2
147.5°	1280.6	1280.8	1281.0	1281.3	1281.6	1281.8	1282.0
150°	1305.4	1305.4	1305.6	1305.8	1306.1	1306.4	1306.6
152.5°	1327.7	1328.0	1328.1	1328.0	1327.9	1327.8	1327.6
155°	1357.6	1358.7	1358.8	1358.0	1357.3	1356.6	1355.8
157.5°	1383.3	1384.6	1384.6	1383.3	1382.1	1380.7	1379.5
160°	1399.7	1401.1	1401.1	1399.7	1398.2	1396.8	1395.2
162.5°	1412.8	1414.3	1414.2	1412.5	1410.9	1409.2	1407.5
165°	1431.8	1433.7	1433.6	1431.4	1429.2	1427.0	1424.8
167.5°	1445.5	1447.7	1447.5	1445.1	1442.7	1440.2	1437.8
170°	1453.7	1455.7	1455.4	1452.9	1450.5	1448.1	1445.7
172.5°	1459.0	1460.8	1460.6	1457.9	1455.3	1452.6	1450.0
175°	1465.4	1467.5	1467.2	1464.2	1461.3	1458.4	1455.5
177.5°	1467.2	1468.8	1468.4	1466.0	1463.7	1461.3	1459.1
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2

(END OF REPORT)