

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: P332943-930

Luminaire Tested: **S124RDIP-S795D1035U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332943-930  
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: S124RDIP-S795D1035U930-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6089.6 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

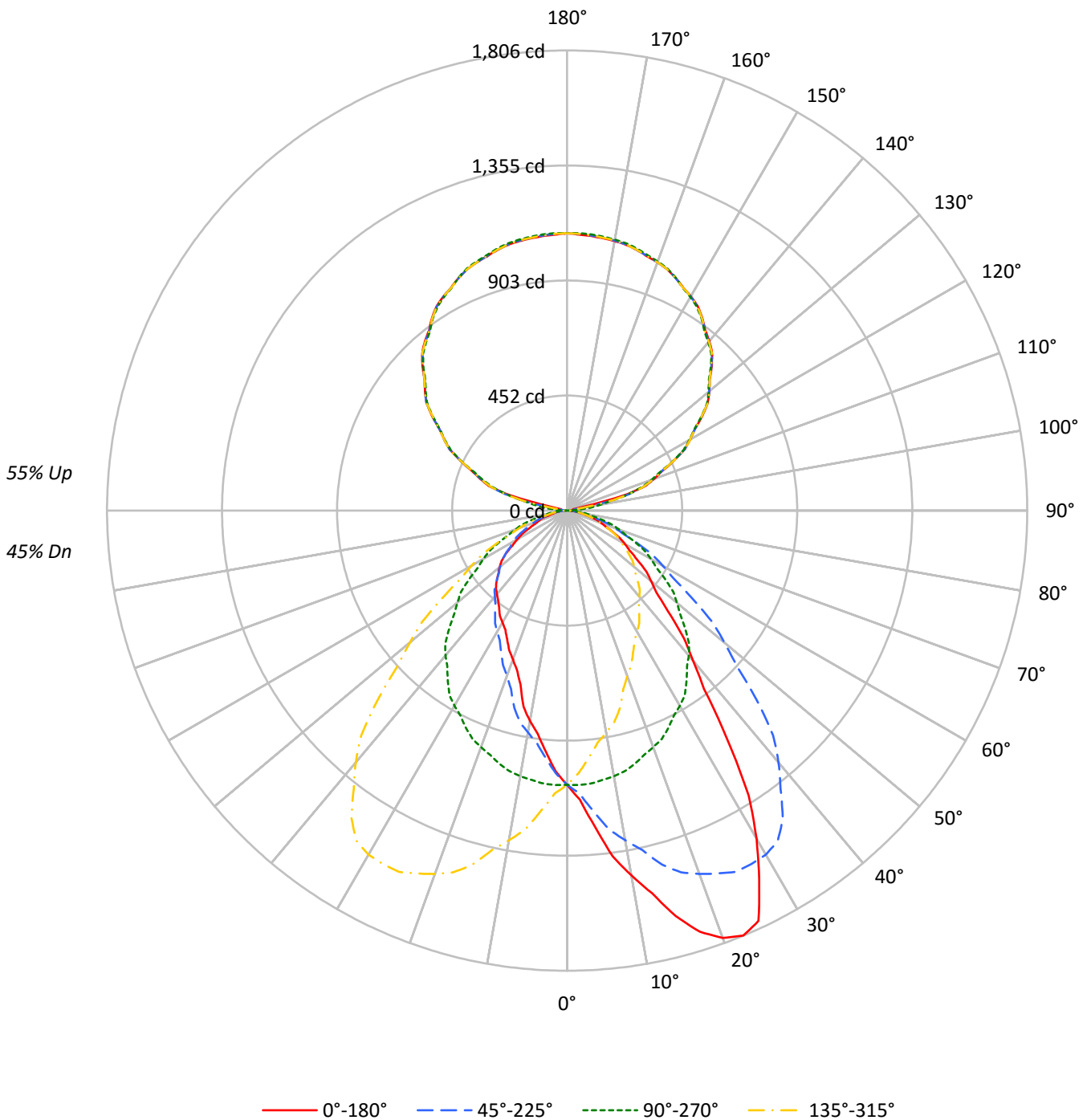
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	34	33	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	25
5	68	57	49	43	62	53	46	41	45	39	35	37	33	30	30	27	25	22
6	63	51	43	38	58	47	41	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	37	31	27	31	26	23	25	22	20	17
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14
10	47	35	28	24	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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

	0°	90°	180°	270°
0°	8688	8688	8688	8688
5°	10078	8715	7703	8715
10°	11922	8676	6874	8676
15°	13771	8596	5907	8596
20°	15332	8485	5342	8485
25°	15828	8378	4960	8378
30°	13856	8245	4729	8245
35°	10787	8051	4590	8051
40°	8088	7827	4515	7827
45°	6387	7470	4475	7470
50°	5392	7058	4346	7058
55°	4700	6602	4114	6602
60°	4229	6132	3641	6132
65°	3727	5624	3131	5624
70°	3356	5098	2825	5098
75°	2813	4517	2408	4517
80°	2380	3849	2259	3849
85°	2010	3010	2010	3010



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.3	1.7
10°-20°	314.5	5.2
20°-30°	492.0	8.1
30°-40°	546.9	9.0
40°-50°	485.2	8.0
50°-60°	378.1	6.2
60°-70°	247.6	4.1
70°-80°	121.7	2.0
80°-90°	33.2	0.5
90°-100°	37.2	0.6
100°-110°	237.3	3.9
110°-120°	453.9	7.5
120°-130°	576.3	9.5
130°-140°	616.6	10.1
140°-150°	576.6	9.5
150°-160°	464.9	7.6
160°-170°	299.9	4.9
170°-180°	103.4	1.7
0°-30°	910.8	15.0
0°-40°	1457.7	23.9
0°-60°	2321.1	38.1
0°-90°	2723.6	44.7
90°-120°	728.5	12.0
90°-150°	2497.9	41.0
90°-180°	3366.0	55.3
0°-180°	6089.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1076	1076	1076	1076	1076	
5°	1244	1075	950	1075	1244	126
15°	1648	1028	707	1028	1648	469
25°	1777	940	557	940	1777	788
35°	1094	817	466	817	1094	686
45°	559	654	392	654	559	443
55°	334	469	292	469	334	304
65°	195	294	164	294	195	196
75°	90	145	77	145	90	99
85°	22	32	22	32	22	25
90°	24	2	24	2	24	11
95°	24	45	24	45	24	19
105°	232	245	232	245	232	202
115°	461	457	461	457	461	456
125°	648	643	648	643	648	577
135°	803	798	803	798	803	618
145°	924	920	924	920	924	578
155°	1008	1008	1008	1008	1008	465
165°	1059	1064	1059	1064	1059	299
175°	1082	1088	1082	1088	1082	103
180°	1088	1088	1088	1088	1088	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1135.1	1138.3	1135.1	1134.8	1131.4	1130.3	1128.9	1124.5	1116.1	1111.3	1112.3
5°	1243.6	1254.4	1248.4	1247.5	1238.0	1228.4	1222.3	1208.4	1193.7	1183.7	1175.5
7.5°	1369.0	1375.2	1371.4	1365.3	1349.9	1341.2	1327.1	1308.8	1282.4	1262.2	1243.7
10°	1454.3	1459.5	1457.8	1446.5	1435.3	1412.3	1399.2	1373.7	1340.3	1313.9	1289.2
12.5°	1538.2	1543.9	1528.5	1529.1	1507.7	1489.6	1469.0	1436.8	1398.2	1364.2	1333.2
15°	1647.7	1640.8	1640.8	1632.1	1608.3	1583.1	1561.9	1528.0	1479.4	1438.7	1395.8
17.5°	1733.4	1735.8	1732.3	1711.8	1693.1	1667.0	1628.1	1588.6	1543.5	1488.8	1445.0
20°	1784.7	1784.7	1780.9	1766.9	1742.7	1714.9	1672.8	1629.9	1572.7	1517.6	1468.2
22.5°	1805.6	1806.9	1802.3	1790.9	1769.0	1742.0	1706.2	1662.6	1603.5	1541.6	1480.3
25°	1776.9	1785.2	1786.0	1783.0	1776.5	1760.0	1729.2	1684.6	1631.7	1564.5	1498.5
27.5°	1631.4	1641.8	1650.9	1665.9	1685.9	1696.2	1697.6	1675.0	1628.8	1564.1	1497.8
30°	1486.4	1495.1	1523.2	1560.1	1588.8	1614.8	1637.3	1643.4	1617.4	1559.3	1489.5
32.5°	1325.4	1337.3	1365.5	1405.1	1452.8	1496.8	1547.4	1573.3	1572.6	1537.7	1473.2
35°	1094.5	1103.1	1129.1	1170.8	1228.0	1293.5	1373.7	1436.1	1478.6	1475.5	1436.1
37.5°	882.6	892.4	918.8	953.2	1008.8	1089.8	1167.4	1253.4	1332.0	1376.1	1363.0
40°	767.5	767.9	793.5	829.1	881.1	951.8	1036.3	1131.7	1219.3	1290.9	1304.7
42.5°	676.6	676.7	693.6	731.9	769.4	835.9	916.6	1011.4	1113.9	1196.5	1233.3
45°	559.4	563.3	577.2	600.1	629.6	686.0	750.6	838.6	953.5	1051.5	1112.6
47.5°	473.7	479.4	488.2	507.0	530.4	568.0	621.4	700.5	794.0	901.8	988.8
50°	429.3	430.2	441.4	451.8	472.2	502.1	548.9	614.8	700.7	804.4	901.1
52.5°	391.1	390.9	397.7	410.9	427.5	450.8	488.6	548.6	624.8	717.6	817.4
55°	333.9	336.1	341.3	351.6	364.2	380.7	410.6	455.8	515.6	594.9	685.5
57.5°	290.3	291.5	295.5	299.9	311.5	323.5	345.9	377.2	427.7	492.7	577.2
60°	261.9	262.4	263.7	270.1	279.2	290.5	305.7	332.2	374.6	434.1	500.8
62.5°	234.2	234.9	236.9	241.7	248.7	256.5	272.4	293.7	328.8	379.6	439.8
65°	195.1	195.6	198.6	200.3	205.9	212.9	224.6	238.9	263.2	305.7	351.2
67.5°	163.1	163.1	163.2	165.6	169.4	174.1	181.1	192.5	210.8	236.9	277.0
70°	142.2	142.2	143.1	144.4	146.6	150.4	154.3	163.1	176.5	197.7	228.5
72.5°	122.8	123.1	124.0	124.3	125.4	128.6	131.5	137.1	147.0	163.1	187.9
75°	90.2	91.5	93.7	95.4	97.6	97.1	100.2	103.6	106.6	116.2	130.5
77.5°	67.1	66.4	66.7	68.2	68.4	68.9	71.0	73.7	76.0	80.5	85.6
80°	51.2	51.2	52.5	52.9	52.5	52.9	55.0	56.3	57.2	58.9	63.8
82.5°	38.6	39.4	39.0	39.4	39.6	40.0	41.9	42.2	43.0	43.7	45.7
85°	21.7	22.1	22.6	21.7	21.7	21.7	22.6	23.0	23.9	23.4	24.3
87.5°	12.5	12.1	12.4	12.3	12.6	12.1	12.2	12.7	11.7	11.9	11.6
90°	24.4	24.1	23.7	23.3	23.0	22.3	21.2	20.1	19.0	17.9	16.5
92.5°	22.5	22.4	22.3	22.3	22.2	21.6	20.5	19.4	18.3	17.3	15.8
95°	23.6	23.4	23.2	23.1	22.9	22.3	21.2	20.1	19.0	17.9	17.7
97.5°	22.8	22.6	22.4	22.3	22.1	21.9	21.9	21.7	21.6	21.5	41.7
100°	22.8	22.6	22.4	22.3	22.1	23.5	26.6	29.7	32.8	35.8	60.7
102.5°	23.5	23.4	23.4	23.3	23.3	39.9	73.1	106.2	139.3	172.5	175.8
105°	232.0	238.5	245.0	251.5	258.0	260.4	258.8	257.2	255.6	254.0	253.1
107.5°	323.3	322.6	321.9	321.2	320.5	319.8	319.0	318.2	317.4	316.6	315.4
110°	363.0	362.5	361.9	361.3	360.9	360.4	360.0	359.6	359.3	358.9	357.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	402.7	402.0	401.4	400.6	400.0	399.7	399.7	399.8	399.9	399.9	399.4
115°	460.6	460.6	460.6	460.6	460.6	460.5	460.2	459.7	459.4	459.0	459.2
117.5°	519.6	519.7	519.8	519.8	519.9	519.9	520.0	520.1	520.2	520.2	519.8
120°	556.7	557.1	557.4	557.7	558.2	558.2	557.7	557.4	557.1	556.7	556.8
122.5°	593.1	593.5	593.9	594.3	594.6	594.7	594.4	594.3	594.0	593.8	593.5
125°	647.8	647.7	647.5	647.3	647.1	646.8	646.2	645.7	645.1	644.6	645.0
127.5°	695.9	696.0	696.2	696.3	696.4	696.6	696.7	696.8	696.9	697.0	696.2
130°	728.5	728.5	728.5	728.5	728.5	728.3	728.1	728.0	727.8	727.7	727.1
132.5°	758.4	758.6	758.6	758.8	759.0	759.0	758.8	758.6	758.4	758.2	757.5
135°	803.3	802.9	802.6	802.3	801.8	801.5	801.1	800.8	800.4	800.1	799.3
137.5°	841.7	841.8	842.0	842.0	842.1	842.0	841.6	841.2	840.8	840.4	839.6
140°	868.5	868.2	868.0	867.9	867.7	867.3	866.8	866.3	865.7	865.2	864.8
142.5°	890.6	890.6	890.5	890.5	890.4	890.2	889.8	889.4	889.0	888.6	888.4
145°	924.5	924.2	923.8	923.5	923.2	922.8	922.7	922.5	922.3	922.1	922.1
147.5°	952.8	952.6	952.4	952.2	952.0	951.9	951.7	951.5	951.5	951.3	951.5
150°	970.9	970.8	970.6	970.5	970.2	970.1	970.1	970.1	970.1	970.1	970.4
152.5°	986.6	986.7	986.8	986.9	987.0	986.9	986.7	986.3	986.1	985.8	986.1
155°	1007.6	1008.1	1008.7	1009.3	1009.7	1009.7	1008.9	1008.2	1007.5	1006.8	1007.3
157.5°	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9	1028.0	1027.0	1026.1	1025.2	1025.8
160°	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2	1040.2	1039.1	1038.0	1036.9	1037.1
162.5°	1046.0	1047.3	1048.5	1049.7	1050.9	1051.0	1049.9	1048.8	1047.7	1046.7	1046.8
165°	1058.8	1060.5	1062.1	1063.7	1065.4	1065.4	1064.0	1062.6	1061.1	1059.6	1059.6
167.5°	1068.4	1070.2	1072.1	1073.9	1075.7	1075.8	1074.2	1072.6	1071.1	1069.4	1069.6
170°	1074.3	1076.1	1078.0	1079.8	1081.6	1081.7	1080.3	1078.9	1077.4	1076.0	1075.8
172.5°	1077.6	1079.5	1081.5	1083.5	1085.4	1085.7	1084.2	1082.8	1081.3	1079.9	1079.7
175°	1081.7	1083.9	1086.0	1088.2	1090.3	1090.6	1089.0	1087.4	1085.7	1084.1	1083.9
177.5°	1084.3	1086.0	1087.8	1089.5	1091.2	1091.5	1090.3	1089.2	1088.0	1086.9	1086.5
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1108.8	1104.0	1101.6	1096.0	1089.4	1085.9	1082.8	1078.3	1072.4	1066.2	1061.6
5°	1165.1	1154.7	1141.7	1126.1	1112.2	1098.8	1087.0	1075.4	1061.9	1048.0	1034.1
7.5°	1222.9	1202.4	1180.3	1154.7	1129.8	1107.2	1086.4	1066.4	1043.8	1023.7	1005.3
10°	1263.1	1235.3	1204.5	1172.1	1139.5	1111.3	1083.6	1058.4	1030.7	1006.0	985.1
12.5°	1295.7	1263.1	1226.0	1185.5	1146.5	1112.4	1080.4	1047.7	1016.1	989.3	961.6
15°	1349.8	1305.1	1255.3	1206.7	1156.0	1109.6	1066.7	1028.5	992.5	954.8	928.4
17.5°	1387.0	1334.0	1273.4	1215.0	1155.1	1100.4	1050.9	1005.4	963.9	925.4	893.9
20°	1409.2	1350.7	1283.4	1217.2	1149.9	1091.4	1038.0	987.7	944.9	903.2	870.7
22.5°	1421.7	1356.9	1283.4	1214.0	1144.4	1081.0	1022.5	970.0	923.3	881.7	845.7
25°	1425.7	1356.3	1281.3	1201.5	1125.2	1058.0	997.3	940.5	888.4	846.9	808.7
27.5°	1420.2	1338.5	1261.6	1179.7	1101.0	1030.1	966.5	906.8	854.7	810.0	770.9
30°	1411.9	1324.2	1241.9	1156.8	1077.1	1009.0	941.8	884.5	830.4	784.0	744.5
32.5°	1393.8	1306.9	1218.2	1131.2	1050.4	980.2	916.5	858.9	805.8	758.3	716.4
35°	1358.0	1270.1	1173.8	1084.4	1005.1	932.2	872.5	816.9	766.2	715.4	671.2
37.5°	1311.0	1221.1	1125.3	1027.4	948.0	879.3	824.3	772.3	722.8	676.5	627.5
40°	1266.6	1184.6	1085.7	988.6	907.1	840.7	790.0	742.7	692.9	646.9	597.9
42.5°	1212.8	1143.0	1043.1	945.6	865.1	801.2	754.0	707.8	662.3	617.8	566.7
45°	1123.1	1070.2	976.5	882.8	801.8	738.4	695.0	654.3	614.4	571.9	523.8
47.5°	1020.2	984.4	903.5	807.6	732.6	675.6	633.7	600.5	566.7	524.2	482.0
50°	948.8	925.8	847.7	760.1	688.6	636.1	593.2	562.0	533.8	493.0	455.3
52.5°	872.5	860.2	794.3	710.5	641.4	590.0	553.3	525.2	496.7	462.8	427.5
55°	756.2	762.7	706.8	634.4	569.3	525.9	492.6	469.1	444.9	416.3	389.0
57.5°	637.4	661.1	623.6	560.0	499.0	459.0	433.9	414.2	393.8	370.1	346.7
60°	566.3	586.2	565.0	509.1	455.8	418.4	395.0	379.8	359.5	337.8	320.0
62.5°	496.9	518.3	505.6	460.5	411.0	378.9	358.2	344.1	329.0	310.1	291.6
65°	409.8	423.6	417.6	386.4	351.2	323.9	304.8	294.4	280.5	266.7	250.2
67.5°	313.8	340.6	337.1	320.5	290.2	268.8	256.3	247.1	234.5	224.2	213.0
70°	258.0	282.7	282.3	268.8	252.3	232.4	223.7	216.0	204.6	194.7	185.6
72.5°	211.2	233.8	237.2	226.9	215.6	200.5	192.2	186.8	175.9	169.0	161.7
75°	147.9	164.4	168.7	168.7	163.5	155.6	148.3	144.8	137.1	130.9	126.6
77.5°	96.9	107.4	114.1	115.7	116.5	113.9	107.8	105.3	99.4	97.2	93.0
80°	68.5	75.4	83.2	85.9	88.1	87.2	84.5	82.8	77.2	75.0	73.3
82.5°	47.4	51.2	57.6	63.3	62.7	65.0	62.7	61.3	57.1	56.3	54.5
85°	24.7	25.1	26.0	29.9	32.1	32.9	33.4	32.5	31.2	31.2	28.2
87.5°	11.3	10.7	11.1	10.8	10.7	11.7	12.3	12.3	11.7	11.0	10.4
90°	15.0	13.5	12.1	10.4	8.4	6.4	4.4	2.4	4.4	6.4	8.4
92.5°	14.3	12.9	11.5	10.7	10.6	10.4	10.4	10.3	10.4	10.4	10.6
95°	17.5	17.4	17.2	20.1	26.3	32.4	38.6	44.8	38.6	32.4	26.3
97.5°	61.9	82.0	102.2	110.4	106.6	102.7	98.9	95.1	98.9	102.7	106.6
100°	85.8	110.7	135.7	146.5	143.2	140.0	136.7	133.5	136.7	140.0	143.2
102.5°	179.0	182.3	185.6	186.0	183.6	181.2	178.9	176.4	178.9	181.2	183.6
105°	252.1	251.2	250.3	249.3	248.3	247.1	246.1	245.0	246.1	247.1	248.3
107.5°	314.1	312.9	311.7	310.8	310.2	309.7	309.2	308.6	309.2	309.7	310.2
110°	356.8	355.6	354.6	353.8	353.2	352.7	352.1	351.6	352.1	352.7	353.2





TEST NUMBER: P332943-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	398.9	398.4	397.9	397.2	396.2	395.3	394.3	393.3	394.3	395.3	396.2
115°	459.4	459.6	459.7	459.6	459.0	458.5	458.0	457.4	458.0	458.5	459.0
117.5°	519.4	519.0	518.6	518.1	517.4	516.7	515.9	515.2	515.9	516.7	517.4
120°	557.1	557.3	557.4	557.2	556.4	555.7	555.0	554.2	555.0	555.7	556.4
122.5°	593.3	593.0	592.8	592.5	592.0	591.6	591.2	590.7	591.2	591.6	592.0
125°	645.3	645.7	646.0	645.9	645.1	644.4	643.7	642.9	643.7	644.4	645.1
127.5°	695.4	694.6	693.7	693.2	693.0	692.8	692.6	692.4	692.6	692.8	693.0
130°	726.5	726.0	725.5	725.0	724.9	724.7	724.6	724.4	724.6	724.7	724.9
132.5°	756.8	756.2	755.5	755.0	754.6	754.3	754.0	753.7	754.0	754.3	754.6
135°	798.6	797.9	797.1	796.9	797.0	797.3	797.4	797.6	797.4	797.3	797.0
137.5°	838.9	838.0	837.2	836.8	836.7	836.7	836.6	836.5	836.6	836.7	836.7
140°	864.5	864.1	863.7	863.3	863.0	862.7	862.3	861.9	862.3	862.7	863.0
142.5°	888.2	887.9	887.7	887.3	886.6	886.0	885.3	884.7	885.3	886.0	886.6
145°	922.1	922.1	922.1	921.9	921.3	920.8	920.2	919.7	920.2	920.8	921.3
147.5°	951.6	951.8	952.0	951.6	950.6	949.6	948.5	947.5	948.5	949.6	950.6
150°	970.5	970.7	970.9	970.6	969.9	969.1	968.4	967.7	968.4	969.1	969.9
152.5°	986.4	986.8	987.1	986.9	986.3	985.8	985.2	984.6	985.2	985.8	986.3
155°	1007.9	1008.4	1008.9	1009.1	1008.9	1008.8	1008.6	1008.4	1008.6	1008.8	1008.9
157.5°	1026.4	1027.0	1027.6	1028.0	1028.1	1028.2	1028.3	1028.4	1028.3	1028.2	1028.1
160°	1037.2	1037.5	1037.6	1038.0	1038.5	1039.1	1039.6	1040.2	1039.6	1039.1	1038.5
162.5°	1047.0	1047.2	1047.4	1047.8	1048.5	1049.2	1049.9	1050.6	1049.9	1049.2	1048.5
165°	1059.6	1059.6	1059.6	1060.1	1061.0	1061.9	1062.8	1063.7	1062.8	1061.9	1061.0
167.5°	1069.7	1069.8	1069.9	1070.4	1071.4	1072.3	1073.3	1074.2	1073.3	1072.3	1071.4
170°	1075.6	1075.4	1075.2	1075.7	1076.8	1077.8	1079.0	1080.0	1079.0	1077.8	1076.8
172.5°	1079.5	1079.3	1079.1	1079.6	1080.7	1081.7	1082.9	1083.9	1082.9	1081.7	1080.7
175°	1083.8	1083.5	1083.4	1083.9	1084.9	1086.0	1087.1	1088.2	1087.1	1086.0	1084.9
177.5°	1086.3	1086.0	1085.7	1086.1	1087.1	1088.1	1089.1	1090.1	1089.1	1088.1	1087.1
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332943-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1056.8	1053.3	1048.8	1043.6	1037.4	1031.8	1029.4	1031.4	1032.5	1029.7	1029.4
5°	1024.6	1013.7	1005.1	992.1	981.7	973.0	966.9	964.3	965.2	958.3	956.5
7.5°	988.5	975.6	961.4	946.0	931.6	918.8	912.2	908.5	901.2	898.0	892.7
10°	965.2	947.9	934.0	915.7	899.3	884.1	876.8	870.7	863.3	859.8	852.5
12.5°	941.3	921.1	905.9	887.0	870.2	851.8	844.8	833.6	822.1	814.7	805.3
15°	907.5	883.3	864.6	842.0	822.1	801.3	782.7	761.8	754.1	737.6	728.1
17.5°	868.0	843.4	820.4	790.1	759.4	733.5	713.6	693.7	681.8	671.2	666.3
20°	842.0	819.5	787.4	752.3	718.0	689.4	673.4	660.4	647.3	640.0	634.8
22.5°	817.4	788.6	751.4	713.5	679.2	656.8	643.2	629.8	619.3	612.3	605.3
25°	776.2	738.4	699.0	655.6	632.2	612.7	597.9	587.1	580.6	571.5	568.0
27.5°	733.8	688.0	644.5	615.4	591.0	573.2	560.3	552.1	543.9	538.1	533.6
30°	701.2	654.8	615.7	588.0	563.3	548.5	538.1	528.6	522.0	517.3	513.8
32.5°	668.9	622.5	589.7	559.9	540.4	525.9	514.9	507.8	502.6	496.5	494.4
35°	622.2	581.1	552.4	525.5	505.6	492.6	483.9	476.5	472.2	470.4	469.1
37.5°	577.4	543.6	512.9	490.8	473.0	462.8	452.6	449.0	446.0	442.9	444.3
40°	548.9	517.3	490.0	466.6	452.2	441.0	434.9	430.6	428.0	428.0	428.0
42.5°	524.3	493.3	466.8	445.7	431.5	421.9	415.2	411.5	410.6	410.3	412.4
45°	486.1	457.5	430.6	413.2	401.0	391.5	387.7	384.6	384.6	386.4	386.8
47.5°	448.2	421.3	399.8	380.3	369.2	363.3	359.9	358.3	358.5	360.3	362.2
50°	424.9	398.5	377.2	359.9	349.5	343.8	340.8	340.0	340.8	340.8	343.8
52.5°	399.6	375.9	355.1	340.5	328.6	323.3	321.7	320.5	321.1	322.5	323.8
55°	362.5	341.3	321.3	307.4	298.7	295.3	291.4	291.8	291.0	291.8	291.8
57.5°	325.3	306.2	287.6	276.6	269.0	264.0	259.8	261.0	259.7	259.5	258.8
60°	301.3	280.5	265.8	255.8	247.1	242.8	238.9	239.8	238.5	237.6	235.9
62.5°	275.3	258.0	243.9	234.3	227.4	222.3	218.4	217.6	214.6	211.6	207.8
65°	237.6	223.3	210.8	201.6	195.1	191.2	188.2	185.6	179.0	172.1	168.7
67.5°	201.0	190.6	178.9	171.2	165.9	160.8	155.0	150.6	144.5	140.6	138.5
70°	177.3	167.4	157.4	150.0	144.4	139.7	133.1	130.1	125.7	124.0	121.8
72.5°	154.8	145.5	136.2	129.6	123.6	119.8	114.7	111.7	109.8	109.1	107.0
75°	120.6	113.2	106.2	100.2	95.4	92.8	90.7	88.5	87.6	83.6	81.5
77.5°	88.0	83.1	78.8	74.4	71.0	69.3	65.1	62.6	61.1	59.4	58.9
80°	68.5	65.1	60.7	58.1	53.3	51.6	49.9	49.4	49.0	48.6	48.1
82.5°	51.5	48.0	43.7	42.2	40.8	39.8	38.7	38.3	37.9	38.2	38.1
85°	26.0	24.3	24.3	23.9	23.4	23.0	22.6	22.6	22.1	22.6	22.1
87.5°	10.8	10.8	11.0	10.6	11.3	11.6	11.4	11.7	12.2	11.7	11.9
90°	10.4	12.1	13.5	15.0	16.5	17.9	19.0	20.1	21.2	22.3	23.0
92.5°	10.7	11.5	12.9	14.3	15.8	17.3	18.3	19.4	20.5	21.6	22.2
95°	20.1	17.2	17.4	17.5	17.7	17.9	19.0	20.1	21.2	22.3	22.9
97.5°	110.4	102.2	82.0	61.9	41.7	21.5	21.6	21.7	21.9	21.9	22.1
100°	146.5	135.7	110.7	85.8	60.7	35.8	32.8	29.7	26.6	23.5	22.1
102.5°	186.0	185.6	182.3	179.0	175.8	172.5	139.3	106.2	73.1	39.9	23.3
105°	249.3	250.3	251.2	252.1	253.1	254.0	255.6	257.2	258.8	260.4	258.0
107.5°	310.8	311.7	312.9	314.1	315.4	316.6	317.4	318.2	319.0	319.8	320.5
110°	353.8	354.6	355.6	356.8	357.8	358.9	359.3	359.6	360.0	360.4	360.9



TEST NUMBER: P332943-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	397.2	397.9	398.4	398.9	399.4	399.9	399.9	399.8	399.7	399.7	400.0
115°	459.6	459.7	459.6	459.4	459.2	459.0	459.4	459.7	460.2	460.5	460.6
117.5°	518.1	518.6	519.0	519.4	519.8	520.2	520.2	520.1	520.0	519.9	519.9
120°	557.2	557.4	557.3	557.1	556.8	556.7	557.1	557.4	557.7	558.2	558.2
122.5°	592.5	592.8	593.0	593.3	593.5	593.8	594.0	594.3	594.4	594.7	594.6
125°	645.9	646.0	645.7	645.3	645.0	644.6	645.1	645.7	646.2	646.8	647.1
127.5°	693.2	693.7	694.6	695.4	696.2	697.0	696.9	696.8	696.7	696.6	696.4
130°	725.0	725.5	726.0	726.5	727.1	727.7	727.8	728.0	728.1	728.3	728.5
132.5°	755.0	755.5	756.2	756.8	757.5	758.2	758.4	758.6	758.8	759.0	759.0
135°	796.9	797.1	797.9	798.6	799.3	800.1	800.4	800.8	801.1	801.5	801.8
137.5°	836.8	837.2	838.0	838.9	839.6	840.4	840.8	841.2	841.6	842.0	842.1
140°	863.3	863.7	864.1	864.5	864.8	865.2	865.7	866.3	866.8	867.3	867.7
142.5°	887.3	887.7	887.9	888.2	888.4	888.6	889.0	889.4	889.8	890.2	890.4
145°	921.9	922.1	922.1	922.1	922.1	922.1	922.3	922.5	922.7	922.8	923.2
147.5°	951.6	952.0	951.8	951.6	951.5	951.3	951.5	951.5	951.7	951.9	952.0
150°	970.6	970.9	970.7	970.5	970.4	970.1	970.1	970.1	970.1	970.1	970.2
152.5°	986.9	987.1	986.8	986.4	986.1	985.8	986.1	986.3	986.7	986.9	987.0
155°	1009.1	1008.9	1008.4	1007.9	1007.3	1006.8	1007.5	1008.2	1008.9	1009.7	1009.7
157.5°	1028.0	1027.6	1027.0	1026.4	1025.8	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9
160°	1038.0	1037.6	1037.5	1037.2	1037.1	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2
162.5°	1047.8	1047.4	1047.2	1047.0	1046.8	1046.7	1047.7	1048.8	1049.9	1051.0	1050.9
165°	1060.1	1059.6	1059.6	1059.6	1059.6	1059.6	1061.1	1062.6	1064.0	1065.4	1065.4
167.5°	1070.4	1069.9	1069.8	1069.7	1069.6	1069.4	1071.1	1072.6	1074.2	1075.8	1075.7
170°	1075.7	1075.2	1075.4	1075.6	1075.8	1076.0	1077.4	1078.9	1080.3	1081.7	1081.6
172.5°	1079.6	1079.1	1079.3	1079.5	1079.7	1079.9	1081.3	1082.8	1084.2	1085.7	1085.4
175°	1083.9	1083.4	1083.5	1083.8	1083.9	1084.1	1085.7	1087.4	1089.0	1090.6	1090.3
177.5°	1086.1	1085.7	1086.0	1086.3	1086.5	1086.9	1088.0	1089.2	1090.3	1091.5	1091.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332943-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1027.3	1028.0	1025.6	1024.8	1025.6	1028.0	1027.3	1029.4	1029.7	1032.5	1031.4
5°	953.1	952.2	950.1	950.5	950.1	952.2	953.1	956.5	958.3	965.2	964.3
7.5°	889.6	886.2	887.1	883.7	887.1	886.2	889.6	892.7	898.0	901.2	908.5
10°	850.8	846.0	842.0	838.6	842.0	846.0	850.8	852.5	859.8	863.3	870.7
12.5°	797.7	793.6	788.3	789.4	788.3	793.6	797.7	805.3	814.7	822.1	833.6
15°	722.4	715.9	705.5	706.8	705.5	715.9	722.4	728.1	737.6	754.1	761.8
17.5°	658.7	658.8	654.0	655.1	654.0	658.8	658.7	666.3	671.2	681.8	693.7
20°	625.7	622.6	623.1	621.8	623.1	622.6	625.7	634.8	640.0	647.3	660.4
22.5°	602.8	599.1	596.1	593.4	596.1	599.1	602.8	605.3	612.3	619.3	629.8
25°	564.1	561.5	557.6	556.8	557.6	561.5	564.1	568.0	571.5	580.6	587.1
27.5°	530.1	529.6	528.1	526.0	528.1	529.6	530.1	533.6	538.1	543.9	552.1
30°	510.4	509.5	508.6	507.3	508.6	509.5	510.4	513.8	517.3	522.0	528.6
32.5°	492.7	492.1	491.3	491.4	491.3	492.1	492.7	494.4	496.5	502.6	507.8
35°	467.4	467.0	466.1	465.7	466.1	467.0	467.4	469.1	470.4	472.2	476.5
37.5°	443.8	445.0	444.4	444.3	444.4	445.0	443.8	444.3	442.9	446.0	449.0
40°	427.5	428.0	428.8	428.4	428.8	428.0	427.5	428.0	428.0	428.0	430.6
42.5°	414.0	414.1	415.3	413.8	415.3	414.1	414.0	412.4	410.3	410.6	411.5
45°	389.8	392.4	392.0	392.0	392.0	392.4	389.8	386.8	386.4	384.6	384.6
47.5°	363.4	365.6	366.2	366.2	366.2	365.6	363.4	362.2	360.3	358.5	358.3
50°	346.0	345.1	346.4	346.0	346.4	345.1	346.0	343.8	340.8	340.8	340.0
52.5°	324.9	325.1	325.0	324.5	325.0	325.1	324.9	323.8	322.5	321.1	320.5
55°	292.3	292.7	291.8	292.3	291.8	292.7	292.3	291.8	291.8	291.0	291.8
57.5°	256.9	254.8	255.7	254.6	255.7	254.8	256.9	258.8	259.5	259.7	261.0
60°	231.5	228.0	227.2	225.5	227.2	228.0	231.5	235.9	237.6	238.5	239.8
62.5°	203.1	200.6	197.7	199.1	197.7	200.6	203.1	207.8	211.6	214.6	217.6
65°	165.2	163.5	162.2	163.9	162.2	163.5	165.2	168.7	172.1	179.0	185.6
67.5°	136.7	135.8	135.8	134.9	135.8	135.8	136.7	138.5	140.6	144.5	150.6
70°	121.8	120.6	120.6	119.7	120.6	120.6	121.8	121.8	124.0	125.7	130.1
72.5°	106.6	105.3	105.7	105.1	105.7	105.3	106.6	107.0	109.1	109.8	111.7
75°	78.9	76.7	76.7	77.2	76.7	76.7	78.9	81.5	83.6	87.6	88.5
77.5°	58.9	58.5	59.0	58.3	59.0	58.5	58.9	58.9	59.4	61.1	62.6
80°	48.1	47.7	47.3	48.6	47.3	47.7	48.1	48.1	48.6	49.0	49.4
82.5°	37.3	37.3	37.2	38.9	37.2	37.3	37.3	38.1	38.2	37.9	38.3
85°	22.6	21.7	22.6	21.7	22.6	21.7	22.6	22.1	22.6	22.1	22.6
87.5°	12.6	12.4	12.1	12.5	12.1	12.4	12.6	11.9	11.7	12.2	11.7
90°	23.3	23.7	24.1	24.4	24.1	23.7	23.3	23.0	22.3	21.2	20.1
92.5°	22.3	22.3	22.4	22.5	22.4	22.3	22.3	22.2	21.6	20.5	19.4
95°	23.1	23.2	23.4	23.6	23.4	23.2	23.1	22.9	22.3	21.2	20.1
97.5°	22.3	22.4	22.6	22.8	22.6	22.4	22.3	22.1	21.9	21.9	21.7
100°	22.3	22.4	22.6	22.8	22.6	22.4	22.3	22.1	23.5	26.6	29.7
102.5°	23.3	23.4	23.4	23.5	23.4	23.4	23.3	23.3	39.9	73.1	106.2
105°	251.5	245.0	238.5	232.0	238.5	245.0	251.5	258.0	260.4	258.8	257.2
107.5°	321.2	321.9	322.6	323.3	322.6	321.9	321.2	320.5	319.8	319.0	318.2
110°	361.3	361.9	362.5	363.0	362.5	361.9	361.3	360.9	360.4	360.0	359.6



TEST NUMBER: P332943-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	400.6	401.4	402.0	402.7	402.0	401.4	400.6	400.0	399.7	399.7	399.8
115°	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.5	460.2	459.7
117.5°	519.8	519.8	519.7	519.6	519.7	519.8	519.8	519.9	519.9	520.0	520.1
120°	557.7	557.4	557.1	556.7	557.1	557.4	557.7	558.2	558.2	557.7	557.4
122.5°	594.3	593.9	593.5	593.1	593.5	593.9	594.3	594.6	594.7	594.4	594.3
125°	647.3	647.5	647.7	647.8	647.7	647.5	647.3	647.1	646.8	646.2	645.7
127.5°	696.3	696.2	696.0	695.9	696.0	696.2	696.3	696.4	696.6	696.7	696.8
130°	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.3	728.1	728.0
132.5°	758.8	758.6	758.6	758.4	758.6	758.6	758.8	759.0	759.0	758.8	758.6
135°	802.3	802.6	802.9	803.3	802.9	802.6	802.3	801.8	801.5	801.1	800.8
137.5°	842.0	842.0	841.8	841.7	841.8	842.0	842.0	842.1	842.0	841.6	841.2
140°	867.9	868.0	868.2	868.5	868.2	868.0	867.9	867.7	867.3	866.8	866.3
142.5°	890.5	890.5	890.6	890.6	890.6	890.5	890.5	890.4	890.2	889.8	889.4
145°	923.5	923.8	924.2	924.5	924.2	923.8	923.5	923.2	922.8	922.7	922.5
147.5°	952.2	952.4	952.6	952.8	952.6	952.4	952.2	952.0	951.9	951.7	951.5
150°	970.5	970.6	970.8	970.9	970.8	970.6	970.5	970.2	970.1	970.1	970.1
152.5°	986.9	986.8	986.7	986.6	986.7	986.8	986.9	987.0	986.9	986.7	986.3
155°	1009.3	1008.7	1008.1	1007.6	1008.1	1008.7	1009.3	1009.7	1009.7	1008.9	1008.2
157.5°	1028.0	1027.0	1026.1	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9	1028.0	1027.0
160°	1040.2	1039.1	1038.0	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2	1040.2	1039.1
162.5°	1049.7	1048.5	1047.3	1046.0	1047.3	1048.5	1049.7	1050.9	1051.0	1049.9	1048.8
165°	1063.7	1062.1	1060.5	1058.8	1060.5	1062.1	1063.7	1065.4	1065.4	1064.0	1062.6
167.5°	1073.9	1072.1	1070.2	1068.4	1070.2	1072.1	1073.9	1075.7	1075.8	1074.2	1072.6
170°	1079.8	1078.0	1076.1	1074.3	1076.1	1078.0	1079.8	1081.6	1081.7	1080.3	1078.9
172.5°	1083.5	1081.5	1079.5	1077.6	1079.5	1081.5	1083.5	1085.4	1085.7	1084.2	1082.8
175°	1088.2	1086.0	1083.9	1081.7	1083.9	1086.0	1088.2	1090.3	1090.6	1089.0	1087.4
177.5°	1089.5	1087.8	1086.0	1084.3	1086.0	1087.8	1089.5	1091.2	1091.5	1090.3	1089.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1029.4	1031.8	1037.4	1043.6	1048.8	1053.3	1056.8	1061.6	1066.2	1072.4	1078.3
5°	966.9	973.0	981.7	992.1	1005.1	1013.7	1024.6	1034.1	1048.0	1061.9	1075.4
7.5°	912.2	918.8	931.6	946.0	961.4	975.6	988.5	1005.3	1023.7	1043.8	1066.4
10°	876.8	884.1	899.3	915.7	934.0	947.9	965.2	985.1	1006.0	1030.7	1058.4
12.5°	844.8	851.8	870.2	887.0	905.9	921.1	941.3	961.6	989.3	1016.1	1047.7
15°	782.7	801.3	822.1	842.0	864.6	883.3	907.5	928.4	954.8	992.5	1028.5
17.5°	713.6	733.5	759.4	790.1	820.4	843.4	868.0	893.9	925.4	963.9	1005.4
20°	673.4	689.4	718.0	752.3	787.4	819.5	842.0	870.7	903.2	944.9	987.7
22.5°	643.2	656.8	679.2	713.5	751.4	788.6	817.4	845.7	881.7	923.3	970.0
25°	597.9	612.7	632.2	655.6	699.0	738.4	776.2	808.7	846.9	888.4	940.5
27.5°	560.3	573.2	591.0	615.4	644.5	688.0	733.8	770.9	810.0	854.7	906.8
30°	538.1	548.5	563.3	588.0	615.7	654.8	701.2	744.5	784.0	830.4	884.5
32.5°	514.9	525.9	540.4	559.9	589.7	622.5	668.9	716.4	758.3	805.8	858.9
35°	483.9	492.6	505.6	525.5	552.4	581.1	622.2	671.2	715.4	766.2	816.9
37.5°	452.6	462.8	473.0	490.8	512.9	543.6	577.4	627.5	676.5	722.8	772.3
40°	434.9	441.0	452.2	466.6	490.0	517.3	548.9	597.9	646.9	692.9	742.7
42.5°	415.2	421.9	431.5	445.7	466.8	493.3	524.3	566.7	617.8	662.3	707.8
45°	387.7	391.5	401.0	413.2	430.6	457.5	486.1	523.8	571.9	614.4	654.3
47.5°	359.9	363.3	369.2	380.3	399.8	421.3	448.2	482.0	524.2	566.7	600.5
50°	340.8	343.8	349.5	359.9	377.2	398.5	424.9	455.3	493.0	533.8	562.0
52.5°	321.7	323.3	328.6	340.5	355.1	375.9	399.6	427.5	462.8	496.7	525.2
55°	291.4	295.3	298.7	307.4	321.3	341.3	362.5	389.0	416.3	444.9	469.1
57.5°	259.8	264.0	269.0	276.6	287.6	306.2	325.3	346.7	370.1	393.8	414.2
60°	238.9	242.8	247.1	255.8	265.8	280.5	301.3	320.0	337.8	359.5	379.8
62.5°	218.4	222.3	227.4	234.3	243.9	258.0	275.3	291.6	310.1	329.0	344.1
65°	188.2	191.2	195.1	201.6	210.8	223.3	237.6	250.2	266.7	280.5	294.4
67.5°	155.0	160.8	165.9	171.2	178.9	190.6	201.0	213.0	224.2	234.5	247.1
70°	133.1	139.7	144.4	150.0	157.4	167.4	177.3	185.6	194.7	204.6	216.0
72.5°	114.7	119.8	123.6	129.6	136.2	145.5	154.8	161.7	169.0	175.9	186.8
75°	90.7	92.8	95.4	100.2	106.2	113.2	120.6	126.6	130.9	137.1	144.8
77.5°	65.1	69.3	71.0	74.4	78.8	83.1	88.0	93.0	97.2	99.4	105.3
80°	49.9	51.6	53.3	58.1	60.7	65.1	68.5	73.3	75.0	77.2	82.8
82.5°	38.7	39.8	40.8	42.2	43.7	48.0	51.5	54.5	56.3	57.1	61.3
85°	22.6	23.0	23.4	23.9	24.3	24.3	26.0	28.2	31.2	31.2	32.5
87.5°	11.4	11.6	11.3	10.6	11.0	10.8	10.8	10.4	11.0	11.7	12.3
90°	19.0	17.9	16.5	15.0	13.5	12.1	10.4	8.4	6.4	4.4	2.4
92.5°	18.3	17.3	15.8	14.3	12.9	11.5	10.7	10.6	10.4	10.4	10.3
95°	19.0	17.9	17.7	17.5	17.4	17.2	20.1	26.3	32.4	38.6	44.8
97.5°	21.6	21.5	41.7	61.9	82.0	102.2	110.4	106.6	102.7	98.9	95.1
100°	32.8	35.8	60.7	85.8	110.7	135.7	146.5	143.2	140.0	136.7	133.5
102.5°	139.3	172.5	175.8	179.0	182.3	185.6	186.0	183.6	181.2	178.9	176.4
105°	255.6	254.0	253.1	252.1	251.2	250.3	249.3	248.3	247.1	246.1	245.0
107.5°	317.4	316.6	315.4	314.1	312.9	311.7	310.8	310.2	309.7	309.2	308.6
110°	359.3	358.9	357.8	356.8	355.6	354.6	353.8	353.2	352.7	352.1	351.6



TEST NUMBER: P332943-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	399.9	399.9	399.4	398.9	398.4	397.9	397.2	396.2	395.3	394.3	393.3
115°	459.4	459.0	459.2	459.4	459.6	459.7	459.6	459.0	458.5	458.0	457.4
117.5°	520.2	520.2	519.8	519.4	519.0	518.6	518.1	517.4	516.7	515.9	515.2
120°	557.1	556.7	556.8	557.1	557.3	557.4	557.2	556.4	555.7	555.0	554.2
122.5°	594.0	593.8	593.5	593.3	593.0	592.8	592.5	592.0	591.6	591.2	590.7
125°	645.1	644.6	645.0	645.3	645.7	646.0	645.9	645.1	644.4	643.7	642.9
127.5°	696.9	697.0	696.2	695.4	694.6	693.7	693.2	693.0	692.8	692.6	692.4
130°	727.8	727.7	727.1	726.5	726.0	725.5	725.0	724.9	724.7	724.6	724.4
132.5°	758.4	758.2	757.5	756.8	756.2	755.5	755.0	754.6	754.3	754.0	753.7
135°	800.4	800.1	799.3	798.6	797.9	797.1	796.9	797.0	797.3	797.4	797.6
137.5°	840.8	840.4	839.6	838.9	838.0	837.2	836.8	836.7	836.7	836.6	836.5
140°	865.7	865.2	864.8	864.5	864.1	863.7	863.3	863.0	862.7	862.3	861.9
142.5°	889.0	888.6	888.4	888.2	887.9	887.7	887.3	886.6	886.0	885.3	884.7
145°	922.3	922.1	922.1	922.1	922.1	922.1	921.9	921.3	920.8	920.2	919.7
147.5°	951.5	951.3	951.5	951.6	951.8	952.0	951.6	950.6	949.6	948.5	947.5
150°	970.1	970.1	970.4	970.5	970.7	970.9	970.6	969.9	969.1	968.4	967.7
152.5°	986.1	985.8	986.1	986.4	986.8	987.1	986.9	986.3	985.8	985.2	984.6
155°	1007.5	1006.8	1007.3	1007.9	1008.4	1008.9	1009.1	1008.9	1008.8	1008.6	1008.4
157.5°	1026.1	1025.2	1025.8	1026.4	1027.0	1027.6	1028.0	1028.1	1028.2	1028.3	1028.4
160°	1038.0	1036.9	1037.1	1037.2	1037.5	1037.6	1038.0	1038.5	1039.1	1039.6	1040.2
162.5°	1047.7	1046.7	1046.8	1047.0	1047.2	1047.4	1047.8	1048.5	1049.2	1049.9	1050.6
165°	1061.1	1059.6	1059.6	1059.6	1059.6	1059.6	1060.1	1061.0	1061.9	1062.8	1063.7
167.5°	1071.1	1069.4	1069.6	1069.7	1069.8	1069.9	1070.4	1071.4	1072.3	1073.3	1074.2
170°	1077.4	1076.0	1075.8	1075.6	1075.4	1075.2	1075.7	1076.8	1077.8	1079.0	1080.0
172.5°	1081.3	1079.9	1079.7	1079.5	1079.3	1079.1	1079.6	1080.7	1081.7	1082.9	1083.9
175°	1085.7	1084.1	1083.9	1083.8	1083.5	1083.4	1083.9	1084.9	1086.0	1087.1	1088.2
177.5°	1088.0	1086.9	1086.5	1086.3	1086.0	1085.7	1086.1	1087.1	1088.1	1089.1	1090.1
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1082.8	1085.9	1089.4	1096.0	1101.6	1104.0	1108.8	1112.3	1111.3	1116.1	1124.5
5°	1087.0	1098.8	1112.2	1126.1	1141.7	1154.7	1165.1	1175.5	1183.7	1193.7	1208.4
7.5°	1086.4	1107.2	1129.8	1154.7	1180.3	1202.4	1222.9	1243.7	1262.2	1282.4	1308.8
10°	1083.6	1111.3	1139.5	1172.1	1204.5	1235.3	1263.1	1289.2	1313.9	1340.3	1373.7
12.5°	1080.4	1112.4	1146.5	1185.5	1226.0	1263.1	1295.7	1333.2	1364.2	1398.2	1436.8
15°	1066.7	1109.6	1156.0	1206.7	1255.3	1305.1	1349.8	1395.8	1438.7	1479.4	1528.0
17.5°	1050.9	1100.4	1155.1	1215.0	1273.4	1334.0	1387.0	1445.0	1488.8	1543.5	1588.6
20°	1038.0	1091.4	1149.9	1217.2	1283.4	1350.7	1409.2	1468.2	1517.6	1572.7	1629.9
22.5°	1022.5	1081.0	1144.4	1214.0	1283.4	1356.9	1421.7	1480.3	1541.6	1603.5	1662.6
25°	997.3	1058.0	1125.2	1201.5	1281.3	1356.3	1425.7	1498.5	1564.5	1631.7	1684.6
27.5°	966.5	1030.1	1101.0	1179.7	1261.6	1338.5	1420.2	1497.8	1564.1	1628.8	1675.0
30°	941.8	1009.0	1077.1	1156.8	1241.9	1324.2	1411.9	1489.5	1559.3	1617.4	1643.4
32.5°	916.5	980.2	1050.4	1131.2	1218.2	1306.9	1393.8	1473.2	1537.7	1572.6	1573.3
35°	872.5	932.2	1005.1	1084.4	1173.8	1270.1	1358.0	1436.1	1475.5	1478.6	1436.1
37.5°	824.3	879.3	948.0	1027.4	1125.3	1221.1	1311.0	1363.0	1376.1	1332.0	1253.4
40°	790.0	840.7	907.1	988.6	1085.7	1184.6	1266.6	1304.7	1290.9	1219.3	1131.7
42.5°	754.0	801.2	865.1	945.6	1043.1	1143.0	1212.8	1233.3	1196.5	1113.9	1011.4
45°	695.0	738.4	801.8	882.8	976.5	1070.2	1123.1	1112.6	1051.5	953.5	838.6
47.5°	633.7	675.6	732.6	807.6	903.5	984.4	1020.2	988.8	901.8	794.0	700.5
50°	593.2	636.1	688.6	760.1	847.7	925.8	948.8	901.1	804.4	700.7	614.8
52.5°	553.3	590.0	641.4	710.5	794.3	860.2	872.5	817.4	717.6	624.8	548.6
55°	492.6	525.9	569.3	634.4	706.8	762.7	756.2	685.5	594.9	515.6	455.8
57.5°	433.9	459.0	499.0	560.0	623.6	661.1	637.4	577.2	492.7	427.7	377.2
60°	395.0	418.4	455.8	509.1	565.0	586.2	566.3	500.8	434.1	374.6	332.2
62.5°	358.2	378.9	411.0	460.5	505.6	518.3	496.9	439.8	379.6	328.8	293.7
65°	304.8	323.9	351.2	386.4	417.6	423.6	409.8	351.2	305.7	263.2	238.9
67.5°	256.3	268.8	290.2	320.5	337.1	340.6	313.8	277.0	236.9	210.8	192.5
70°	223.7	232.4	252.3	268.8	282.3	282.7	258.0	228.5	197.7	176.5	163.1
72.5°	192.2	200.5	215.6	226.9	237.2	233.8	211.2	187.9	163.1	147.0	137.1
75°	148.3	155.6	163.5	168.7	168.7	164.4	147.9	130.5	116.2	106.6	103.6
77.5°	107.8	113.9	116.5	115.7	114.1	107.4	96.9	85.6	80.5	76.0	73.7
80°	84.5	87.2	88.1	85.9	83.2	75.4	68.5	63.8	58.9	57.2	56.3
82.5°	62.7	65.0	62.7	63.3	57.6	51.2	47.4	45.7	43.7	43.0	42.2
85°	33.4	32.9	32.1	29.9	26.0	25.1	24.7	24.3	23.4	23.9	23.0
87.5°	12.3	11.7	10.7	10.8	11.1	10.7	11.3	11.6	11.9	11.7	12.7
90°	4.4	6.4	8.4	10.4	12.1	13.5	15.0	16.5	17.9	19.0	20.1
92.5°	10.4	10.4	10.6	10.7	11.5	12.9	14.3	15.8	17.3	18.3	19.4
95°	38.6	32.4	26.3	20.1	17.2	17.4	17.5	17.7	17.9	19.0	20.1
97.5°	98.9	102.7	106.6	110.4	102.2	82.0	61.9	41.7	21.5	21.6	21.7
100°	136.7	140.0	143.2	146.5	135.7	110.7	85.8	60.7	35.8	32.8	29.7
102.5°	178.9	181.2	183.6	186.0	185.6	182.3	179.0	175.8	172.5	139.3	106.2
105°	246.1	247.1	248.3	249.3	250.3	251.2	252.1	253.1	254.0	255.6	257.2
107.5°	309.2	309.7	310.2	310.8	311.7	312.9	314.1	315.4	316.6	317.4	318.2
110°	352.1	352.7	353.2	353.8	354.6	355.6	356.8	357.8	358.9	359.3	359.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	394.3	395.3	396.2	397.2	397.9	398.4	398.9	399.4	399.9	399.9	399.8
115°	458.0	458.5	459.0	459.6	459.7	459.6	459.4	459.2	459.0	459.4	459.7
117.5°	515.9	516.7	517.4	518.1	518.6	519.0	519.4	519.8	520.2	520.2	520.1
120°	555.0	555.7	556.4	557.2	557.4	557.3	557.1	556.8	556.7	557.1	557.4
122.5°	591.2	591.6	592.0	592.5	592.8	593.0	593.3	593.5	593.8	594.0	594.3
125°	643.7	644.4	645.1	645.9	646.0	645.7	645.3	645.0	644.6	645.1	645.7
127.5°	692.6	692.8	693.0	693.2	693.7	694.6	695.4	696.2	697.0	696.9	696.8
130°	724.6	724.7	724.9	725.0	725.5	726.0	726.5	727.1	727.7	727.8	728.0
132.5°	754.0	754.3	754.6	755.0	755.5	756.2	756.8	757.5	758.2	758.4	758.6
135°	797.4	797.3	797.0	796.9	797.1	797.9	798.6	799.3	800.1	800.4	800.8
137.5°	836.6	836.7	836.7	836.8	837.2	838.0	838.9	839.6	840.4	840.8	841.2
140°	862.3	862.7	863.0	863.3	863.7	864.1	864.5	864.8	865.2	865.7	866.3
142.5°	885.3	886.0	886.6	887.3	887.7	887.9	888.2	888.4	888.6	889.0	889.4
145°	920.2	920.8	921.3	921.9	922.1	922.1	922.1	922.1	922.1	922.3	922.5
147.5°	948.5	949.6	950.6	951.6	952.0	951.8	951.6	951.5	951.3	951.5	951.5
150°	968.4	969.1	969.9	970.6	970.9	970.7	970.5	970.4	970.1	970.1	970.1
152.5°	985.2	985.8	986.3	986.9	987.1	986.8	986.4	986.1	985.8	986.1	986.3
155°	1008.6	1008.8	1008.9	1009.1	1008.9	1008.4	1007.9	1007.3	1006.8	1007.5	1008.2
157.5°	1028.3	1028.2	1028.1	1028.0	1027.6	1027.0	1026.4	1025.8	1025.2	1026.1	1027.0
160°	1039.6	1039.1	1038.5	1038.0	1037.6	1037.5	1037.2	1037.1	1036.9	1038.0	1039.1
162.5°	1049.9	1049.2	1048.5	1047.8	1047.4	1047.2	1047.0	1046.8	1046.7	1047.7	1048.8
165°	1062.8	1061.9	1061.0	1060.1	1059.6	1059.6	1059.6	1059.6	1059.6	1061.1	1062.6
167.5°	1073.3	1072.3	1071.4	1070.4	1069.9	1069.8	1069.7	1069.6	1069.4	1071.1	1072.6
170°	1079.0	1077.8	1076.8	1075.7	1075.2	1075.4	1075.6	1075.8	1076.0	1077.4	1078.9
172.5°	1082.9	1081.7	1080.7	1079.6	1079.1	1079.3	1079.5	1079.7	1079.9	1081.3	1082.8
175°	1087.1	1086.0	1084.9	1083.9	1083.4	1083.5	1083.8	1083.9	1084.1	1085.7	1087.4
177.5°	1089.1	1088.1	1087.1	1086.1	1085.7	1086.0	1086.3	1086.5	1086.9	1088.0	1089.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1128.9	1130.3	1131.4	1134.8	1135.1	1138.3	1135.1
5°	1222.3	1228.4	1238.0	1247.5	1248.4	1254.4	1243.6
7.5°	1327.1	1341.2	1349.9	1365.3	1371.4	1375.2	1369.0
10°	1399.2	1412.3	1435.3	1446.5	1457.8	1459.5	1454.3
12.5°	1469.0	1489.6	1507.7	1529.1	1528.5	1543.9	1538.2
15°	1561.9	1583.1	1608.3	1632.1	1640.8	1640.8	1647.7
17.5°	1628.1	1667.0	1693.1	1711.8	1732.3	1735.8	1733.4
20°	1672.8	1714.9	1742.7	1766.9	1780.9	1784.7	1784.7
22.5°	1706.2	1742.0	1769.0	1790.9	1802.3	1806.9	1805.6
25°	1729.2	1760.0	1776.5	1783.0	1786.0	1785.2	1776.9
27.5°	1697.6	1696.2	1685.9	1665.9	1650.9	1641.8	1631.4
30°	1637.3	1614.8	1588.8	1560.1	1523.2	1495.1	1486.4
32.5°	1547.4	1496.8	1452.8	1405.1	1365.5	1337.3	1325.4
35°	1373.7	1293.5	1228.0	1170.8	1129.1	1103.1	1094.5
37.5°	1167.4	1089.8	1008.8	953.2	918.8	892.4	882.6
40°	1036.3	951.8	881.1	829.1	793.5	767.9	767.5
42.5°	916.6	835.9	769.4	731.9	693.6	676.7	676.6
45°	750.6	686.0	629.6	600.1	577.2	563.3	559.4
47.5°	621.4	568.0	530.4	507.0	488.2	479.4	473.7
50°	548.9	502.1	472.2	451.8	441.4	430.2	429.3
52.5°	488.6	450.8	427.5	410.9	397.7	390.9	391.1
55°	410.6	380.7	364.2	351.6	341.3	336.1	333.9
57.5°	345.9	323.5	311.5	299.9	295.5	291.5	290.3
60°	305.7	290.5	279.2	270.1	263.7	262.4	261.9
62.5°	272.4	256.5	248.7	241.7	236.9	234.9	234.2
65°	224.6	212.9	205.9	200.3	198.6	195.6	195.1
67.5°	181.1	174.1	169.4	165.6	163.2	163.1	163.1
70°	154.3	150.4	146.6	144.4	143.1	142.2	142.2
72.5°	131.5	128.6	125.4	124.3	124.0	123.1	122.8
75°	100.2	97.1	97.6	95.4	93.7	91.5	90.2
77.5°	71.0	68.9	68.4	68.2	66.7	66.4	67.1
80°	55.0	52.9	52.5	52.9	52.5	51.2	51.2
82.5°	41.9	40.0	39.6	39.4	39.0	39.4	38.6
85°	22.6	21.7	21.7	21.7	22.6	22.1	21.7
87.5°	12.2	12.1	12.6	12.3	12.4	12.1	12.5
90°	21.2	22.3	23.0	23.3	23.7	24.1	24.4
92.5°	20.5	21.6	22.2	22.3	22.3	22.4	22.5
95°	21.2	22.3	22.9	23.1	23.2	23.4	23.6
97.5°	21.9	21.9	22.1	22.3	22.4	22.6	22.8
100°	26.6	23.5	22.1	22.3	22.4	22.6	22.8
102.5°	73.1	39.9	23.3	23.3	23.4	23.4	23.5
105°	258.8	260.4	258.0	251.5	245.0	238.5	232.0
107.5°	319.0	319.8	320.5	321.2	321.9	322.6	323.3
110°	360.0	360.4	360.9	361.3	361.9	362.5	363.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	399.7	399.7	400.0	400.6	401.4	402.0	402.7
115°	460.2	460.5	460.6	460.6	460.6	460.6	460.6
117.5°	520.0	519.9	519.9	519.8	519.8	519.7	519.6
120°	557.7	558.2	558.2	557.7	557.4	557.1	556.7
122.5°	594.4	594.7	594.6	594.3	593.9	593.5	593.1
125°	646.2	646.8	647.1	647.3	647.5	647.7	647.8
127.5°	696.7	696.6	696.4	696.3	696.2	696.0	695.9
130°	728.1	728.3	728.5	728.5	728.5	728.5	728.5
132.5°	758.8	759.0	759.0	758.8	758.6	758.6	758.4
135°	801.1	801.5	801.8	802.3	802.6	802.9	803.3
137.5°	841.6	842.0	842.1	842.0	842.0	841.8	841.7
140°	866.8	867.3	867.7	867.9	868.0	868.2	868.5
142.5°	889.8	890.2	890.4	890.5	890.5	890.6	890.6
145°	922.7	922.8	923.2	923.5	923.8	924.2	924.5
147.5°	951.7	951.9	952.0	952.2	952.4	952.6	952.8
150°	970.1	970.1	970.2	970.5	970.6	970.8	970.9
152.5°	986.7	986.9	987.0	986.9	986.8	986.7	986.6
155°	1008.9	1009.7	1009.7	1009.3	1008.7	1008.1	1007.6
157.5°	1028.0	1028.9	1028.9	1028.0	1027.0	1026.1	1025.2
160°	1040.2	1041.2	1041.2	1040.2	1039.1	1038.0	1036.9
162.5°	1049.9	1051.0	1050.9	1049.7	1048.5	1047.3	1046.0
165°	1064.0	1065.4	1065.4	1063.7	1062.1	1060.5	1058.8
167.5°	1074.2	1075.8	1075.7	1073.9	1072.1	1070.2	1068.4
170°	1080.3	1081.7	1081.6	1079.8	1078.0	1076.1	1074.3
172.5°	1084.2	1085.7	1085.4	1083.5	1081.5	1079.5	1077.6
175°	1089.0	1090.6	1090.3	1088.2	1086.0	1083.9	1081.7
177.5°	1090.3	1091.5	1091.2	1089.5	1087.8	1086.0	1084.3
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2

(END OF REPORT)