

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: P332443-930

Luminaire Tested: **S123RDIW-S775D1320U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332443-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S775D1320U930-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1320 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

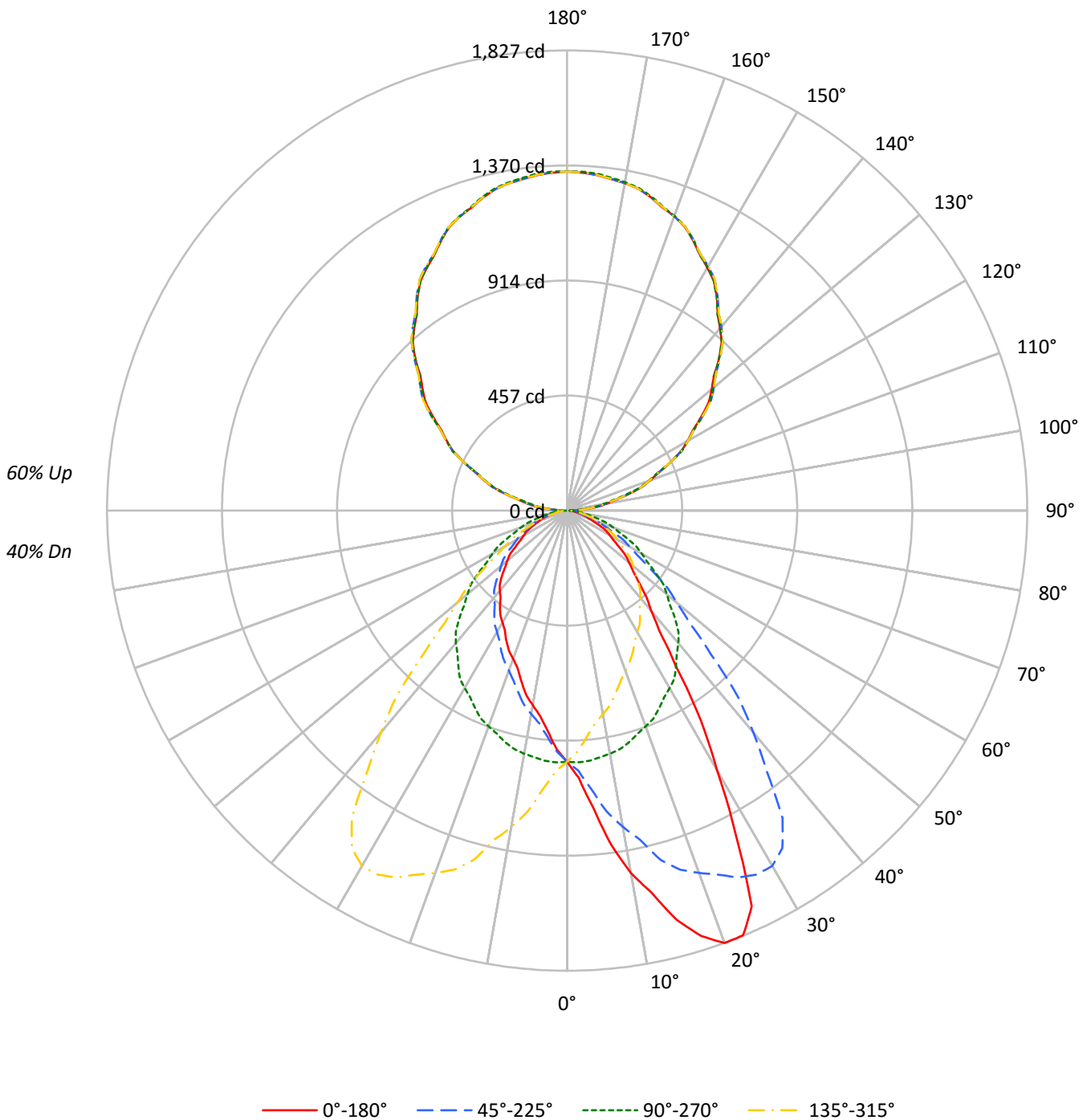
Lumens per Lamp: N/A  
Luminaire Lumens: 6216.2 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

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

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																												
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35																												
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	38	36	35	30																												
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	30	26																												
4	74	63	56	50	67	58	52	47	48	43	40	39	36	33	30	28	26	22																												
5	68	57	49	43	62	52	45	40	43	38	34	35	32	29	28	25	23	20																												
6	62	51	43	38	57	47	40	35	39	34	30	32	28	25	25	23	21	18																												
7	58	46	38	33	53	42	36	31	36	30	27	29	25	23	23	20	18	16																												
8	54	42	34	29	49	39	32	27	32	27	24	27	23	20	21	19	17	14																												
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13																												
10	47	35	28	23	43	32	26	22	27	23	19	23	19	16	18	16	14	12																												

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

	0°	90°	180°	270°
0°	10733	10733	10733	10733
5°	12794	10778	9492	10778
10°	15974	10717	8576	10717
15°	18750	10608	7819	10608
20°	20927	10443	7178	10443
25°	20593	10271	6783	10271
30°	14802	10112	6377	10112
35°	9883	9905	6114	9905
40°	7281	9656	5841	9656
45°	6107	9220	5574	9220
50°	5390	8649	5203	8649
55°	4725	7994	4693	7994
60°	4209	7369	4299	7369
65°	3696	6696	4001	6696
70°	2902	6099	3654	6099
75°	2558	5327	3335	5327
80°	2225	4525	3279	4525
85°	1791	3631	3483	3631



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.1	1.6
10°-20°	306.3	4.9
20°-30°	481.3	7.7
30°-40°	502.1	8.1
40°-50°	429.7	6.9
50°-60°	327.5	5.3
60°-70°	209.9	3.4
70°-80°	101.0	1.6
80°-90°	30.7	0.5
90°-100°	87.7	1.4
100°-110°	262.5	4.2
110°-120°	446.4	7.2
120°-130°	587.2	9.4
130°-140°	660.0	10.6
140°-150°	648.8	10.4
150°-160°	546.2	8.8
160°-170°	363.6	5.8
170°-180°	127.3	2.0
0°-30°	885.7	14.2
0°-40°	1387.8	22.3
0°-60°	2145.0	34.5
0°-90°	2486.6	40.0
90°-120°	796.6	12.8
90°-150°	2692.5	43.3
90°-180°	3730.0	60.0
0°-180°	6216.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1184	998	878	998	1184	122
15°	1683	952	702	952	1683	477
25°	1734	865	571	865	1734	745
35°	752	754	465	754	752	493
45°	401	606	366	606	401	315
55°	252	426	250	426	252	228
65°	145	263	157	263	145	143
75°	62	128	80	128	62	66
85°	14	29	28	29	14	17
90°	32	1	32	1	32	16
95°	82	62	82	62	82	85
105°	252	238	252	238	252	267
115°	450	449	450	449	450	446
125°	650	658	650	658	650	581
135°	852	853	852	853	852	655
145°	1035	1035	1035	1035	1035	646
155°	1183	1185	1183	1185	1183	545
165°	1287	1291	1287	1291	1287	363
175°	1338	1343	1338	1343	1338	127
180°	1346	1346	1346	1346	1346	



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1062.0	1063.4	1058.9	1058.3	1053.1	1051.7	1051.7	1044.6	1040.2	1034.4	1030.9
5°	1184.1	1190.9	1187.5	1179.8	1167.0	1164.0	1155.9	1143.1	1128.6	1110.7	1102.1
7.5°	1336.5	1345.9	1342.3	1330.4	1317.0	1306.2	1283.3	1262.0	1232.2	1206.1	1183.7
10°	1461.5	1451.7	1444.1	1432.5	1420.2	1400.0	1376.1	1343.3	1305.3	1275.5	1242.1
12.5°	1555.1	1553.5	1543.8	1531.9	1514.4	1495.3	1466.0	1426.0	1381.8	1338.6	1300.6
15°	1682.6	1685.2	1678.8	1666.4	1641.7	1607.9	1563.6	1546.9	1483.8	1436.8	1389.8
17.5°	1770.9	1770.4	1769.5	1752.4	1727.1	1703.2	1662.0	1618.2	1561.0	1494.9	1431.6
20°	1826.9	1822.7	1823.5	1804.3	1785.5	1757.8	1717.7	1654.1	1607.1	1530.7	1465.3
22.5°	1825.5	1824.7	1828.0	1821.4	1807.7	1786.5	1754.9	1701.2	1641.3	1564.2	1490.6
25°	1733.9	1730.5	1750.5	1756.1	1777.8	1781.7	1772.3	1742.9	1686.0	1606.6	1515.7
27.5°	1451.2	1449.3	1486.5	1533.1	1592.1	1638.1	1682.5	1703.9	1686.0	1629.2	1538.1
30°	1190.9	1231.0	1249.9	1317.3	1392.4	1482.1	1560.6	1635.2	1653.6	1628.9	1554.1
32.5°	988.8	1023.8	1039.4	1097.3	1167.3	1272.4	1390.2	1495.9	1570.7	1589.6	1544.6
35°	752.1	752.5	788.4	814.0	878.9	986.8	1101.3	1243.0	1383.8	1490.5	1501.6
37.5°	600.1	602.3	623.9	649.5	698.1	755.3	856.0	973.8	1136.5	1300.3	1396.4
40°	518.2	522.0	538.3	563.5	598.4	641.6	720.1	831.1	966.8	1149.1	1298.0
42.5°	465.6	471.8	480.2	499.6	521.3	561.7	625.2	710.9	834.3	1006.7	1178.5
45°	401.2	404.6	411.1	420.0	439.7	467.8	510.5	568.1	670.6	809.3	981.3
47.5°	353.9	352.1	358.9	366.2	379.2	398.4	427.1	474.1	547.1	658.4	804.4
50°	321.9	321.4	326.1	331.7	344.1	358.2	381.6	417.0	475.1	567.3	700.9
52.5°	291.8	293.4	296.8	303.7	312.6	324.0	345.0	370.6	420.4	500.0	611.4
55°	251.8	253.2	257.8	261.6	268.1	279.6	292.9	314.1	348.3	403.8	495.5
57.5°	218.0	217.4	221.9	222.9	230.2	239.5	249.8	266.4	291.1	332.3	394.1
60°	195.5	194.2	198.0	201.1	204.9	212.5	221.1	237.3	257.0	287.2	340.2
62.5°	175.0	174.4	177.2	180.2	183.4	190.4	197.5	210.0	225.5	251.1	293.1
65°	145.1	146.4	147.7	149.0	150.7	154.9	161.8	170.3	181.0	198.9	229.2
67.5°	114.1	115.4	115.8	118.4	122.1	124.7	128.9	136.5	143.9	159.1	176.3
70°	92.2	91.8	92.2	93.5	98.2	102.9	108.4	114.0	118.6	129.3	143.8
72.5°	79.2	78.4	79.6	79.8	82.1	83.4	86.9	92.1	98.2	105.4	115.9
75°	61.5	61.5	61.5	61.5	63.2	64.0	65.3	66.6	68.7	72.2	79.8
77.5°	45.4	45.5	46.1	46.6	46.9	47.4	48.2	49.4	50.2	52.0	55.4
80°	35.9	36.3	35.9	36.3	36.3	37.1	37.6	38.8	39.3	41.4	42.7
82.5°	27.0	26.7	27.0	27.4	27.4	28.3	28.4	29.3	29.4	30.5	31.8
85°	14.5	13.7	14.5	14.1	14.9	14.1	14.5	15.3	15.3	15.8	17.5
87.5°	9.8	10.4	9.5	9.8	9.7	9.9	9.7	9.5	10.0	9.5	9.2
90°	31.7	31.2	30.8	30.3	29.8	29.1	28.2	27.2	26.3	25.4	22.3
92.5°	42.7	43.0	43.3	43.5	43.9	43.6	42.9	42.1	41.3	40.6	38.9
95°	82.5	82.5	82.5	82.5	82.5	82.0	81.0	80.1	79.2	78.3	76.4
97.5°	126.9	127.0	127.1	127.2	127.3	126.8	125.7	124.6	123.5	122.5	121.1
100°	160.7	160.3	159.8	159.3	158.8	158.2	157.5	156.9	156.1	155.5	154.3
102.5°	195.4	195.5	195.6	195.7	195.8	195.5	194.8	194.0	193.4	192.7	191.1
105°	251.7	251.2	250.7	250.3	249.8	249.6	249.6	249.6	249.6	249.6	247.4
107.5°	310.2	310.5	310.8	311.1	311.4	311.1	310.4	309.7	308.9	308.1	307.3
110°	350.0	350.5	351.0	351.4	351.9	351.6	350.7	349.8	348.9	347.9	347.4



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	392.3	392.4	392.5	392.6	392.6	392.2	391.0	389.9	388.8	387.7	387.6
115°	450.5	450.7	450.9	451.2	451.4	451.4	451.2	450.9	450.7	450.5	450.9
117.5°	509.5	510.1	510.8	511.4	512.1	512.4	512.5	512.6	512.6	512.7	513.2
120°	550.9	551.4	551.9	552.4	552.8	553.2	553.4	553.6	553.8	554.1	555.3
122.5°	590.7	591.3	592.0	592.6	593.3	593.9	594.5	595.2	595.7	596.4	597.0
125°	650.3	651.3	652.2	653.1	654.1	655.0	656.0	656.9	657.9	658.8	659.3
127.5°	709.7	710.9	711.9	713.0	714.0	715.3	716.6	717.9	719.2	720.6	721.1
130°	748.7	750.3	752.0	753.6	755.2	756.5	757.5	758.4	759.4	760.3	761.0
132.5°	789.3	790.5	791.8	793.0	794.3	795.6	796.6	797.8	798.9	800.1	800.5
135°	852.3	852.7	853.2	853.7	854.2	854.8	855.8	856.7	857.7	858.6	858.8
137.5°	907.9	908.8	909.7	910.6	911.5	912.4	913.4	914.4	915.3	916.4	915.7
140°	944.3	945.9	947.5	949.3	950.9	951.8	952.0	952.3	952.5	952.8	952.5
142.5°	981.5	982.8	984.1	985.3	986.6	987.3	987.6	987.8	988.1	988.3	987.8
145°	1035.2	1036.2	1037.1	1038.0	1039.0	1039.6	1039.8	1040.0	1040.2	1040.5	1039.8
147.5°	1083.0	1084.4	1085.8	1087.3	1088.7	1089.3	1089.3	1089.3	1089.3	1089.3	1088.7
150°	1113.5	1114.8	1116.3	1117.7	1119.1	1119.8	1119.8	1119.8	1119.8	1119.8	1119.3
152.5°	1143.0	1144.3	1145.5	1146.7	1147.9	1148.3	1148.0	1147.6	1147.3	1146.9	1146.6
155°	1183.2	1184.9	1186.6	1188.2	1189.8	1190.2	1189.3	1188.3	1187.4	1186.4	1186.2
157.5°	1219.9	1221.2	1222.5	1223.8	1225.1	1225.3	1224.3	1223.3	1222.3	1221.3	1221.2
160°	1243.5	1244.5	1245.5	1246.3	1247.3	1247.2	1246.0	1244.8	1243.7	1242.4	1242.4
162.5°	1261.3	1262.8	1264.3	1265.8	1267.3	1267.5	1266.3	1265.1	1264.0	1262.7	1262.6
165°	1286.9	1288.5	1290.2	1291.8	1293.5	1293.6	1292.2	1290.8	1289.3	1287.9	1287.9
167.5°	1308.6	1310.1	1311.6	1313.0	1314.5	1314.5	1313.0	1311.6	1310.1	1308.6	1308.5
170°	1319.6	1321.3	1323.0	1324.6	1326.2	1326.2	1324.6	1323.0	1321.3	1319.6	1319.6
172.5°	1328.1	1329.8	1331.4	1333.1	1334.7	1334.8	1333.3	1331.9	1330.4	1328.9	1328.9
175°	1337.7	1339.3	1340.9	1342.6	1344.2	1344.3	1343.0	1341.5	1340.1	1338.7	1338.7
177.5°	1342.7	1344.0	1345.3	1346.6	1348.0	1348.1	1347.0	1345.8	1344.7	1343.5	1343.5
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1029.6	1028.5	1023.8	1018.3	1011.1	1006.3	1002.6	1000.5	994.4	986.8	981.8
5°	1093.2	1080.4	1066.7	1050.0	1034.7	1018.9	1009.1	997.5	983.5	967.7	956.6
7.5°	1161.3	1136.2	1109.1	1081.2	1053.6	1028.9	1007.1	988.3	965.9	943.2	927.4
10°	1213.6	1176.8	1138.8	1100.0	1064.5	1031.3	1005.7	980.5	953.6	927.6	907.9
12.5°	1261.0	1212.7	1168.9	1121.2	1075.9	1036.1	999.1	969.6	937.2	909.5	887.0
15°	1321.1	1271.6	1218.6	1146.1	1085.9	1035.5	990.8	951.9	912.6	878.5	856.7
17.5°	1377.3	1302.8	1231.7	1171.1	1092.9	1030.0	975.3	928.8	885.7	849.5	822.7
20°	1400.5	1328.4	1251.1	1173.9	1097.0	1026.5	963.0	911.7	866.9	826.0	801.2
22.5°	1414.5	1332.8	1251.4	1168.4	1086.8	1013.6	950.7	894.3	845.8	806.8	776.2
25°	1430.8	1333.5	1243.8	1161.9	1078.6	999.2	924.5	864.8	812.3	770.9	738.4
27.5°	1441.5	1327.1	1221.2	1130.0	1045.6	966.5	898.1	834.8	781.5	737.7	702.9
30°	1443.6	1321.9	1203.7	1105.1	1019.3	946.7	874.2	813.6	757.2	710.7	678.2
32.5°	1446.3	1309.3	1180.1	1075.4	987.6	915.7	849.9	792.1	734.3	688.5	655.4
35°	1435.1	1302.4	1144.4	1024.0	936.0	866.5	807.1	753.8	697.1	652.6	618.9
37.5°	1386.6	1274.6	1107.3	966.1	874.2	809.8	761.4	714.9	662.8	614.9	583.2
40°	1337.7	1247.2	1078.6	931.0	834.9	768.7	725.2	687.2	636.8	592.1	557.9
42.5°	1265.0	1210.1	1051.3	894.1	790.5	726.8	690.1	654.4	610.3	564.8	532.6
45°	1131.6	1138.8	995.4	835.4	729.0	665.0	630.5	605.7	566.5	528.9	496.0
47.5°	964.3	1032.1	929.8	772.7	664.2	604.1	574.0	552.4	525.9	489.0	459.0
50°	855.0	951.9	877.2	730.8	623.6	563.9	534.0	516.5	493.4	464.4	435.8
52.5°	754.2	858.3	813.7	684.0	579.6	525.0	495.8	481.4	463.0	435.7	409.9
55°	615.1	720.6	710.3	613.3	513.5	464.4	442.2	426.0	413.6	393.1	372.7
57.5°	497.6	597.5	602.8	534.8	455.3	406.8	387.7	375.4	367.4	351.9	333.0
60°	423.5	515.2	533.1	481.9	413.6	371.0	352.1	342.3	335.9	323.6	309.1
62.5°	362.0	440.1	460.4	423.5	373.7	333.7	319.0	309.6	305.2	294.5	281.7
65°	277.0	341.9	361.5	341.0	315.0	283.0	271.1	262.9	259.1	253.2	243.7
67.5°	208.3	255.6	277.1	262.7	253.3	233.1	225.4	221.1	217.7	213.6	205.8
70°	167.3	202.4	224.5	220.7	213.0	202.4	196.8	193.8	190.4	186.9	180.1
72.5°	134.5	158.7	179.4	181.4	175.1	172.9	168.1	166.8	164.8	160.7	156.9
75°	89.2	105.8	120.3	125.9	128.5	130.6	128.5	128.1	127.6	124.3	122.1
77.5°	58.5	67.4	76.6	86.0	90.1	92.9	93.7	95.2	94.1	92.3	91.2
80°	44.8	47.0	53.3	61.5	67.8	70.4	72.2	73.0	72.6	72.2	70.4
82.5°	32.5	34.3	37.3	43.0	48.4	52.7	53.7	53.6	54.5	54.7	53.3
85°	17.5	17.9	18.8	19.6	22.6	27.3	28.6	29.4	30.3	30.3	27.7
87.5°	9.3	8.4	8.4	7.9	8.5	8.3	9.9	11.2	12.0	11.1	11.5
90°	19.2	16.2	13.1	10.4	8.1	5.8	3.4	1.1	3.4	5.8	8.1
92.5°	37.1	35.4	33.7	32.0	30.4	28.8	27.1	25.6	27.1	28.8	30.4
95°	74.5	72.6	70.8	69.0	67.3	65.7	64.0	62.4	64.0	65.7	67.3
97.5°	119.7	118.4	117.0	115.7	114.5	113.2	112.0	110.8	112.0	113.2	114.5
100°	153.1	151.9	150.7	149.4	148.1	146.6	145.2	143.8	145.2	146.6	148.1
102.5°	189.6	188.0	186.5	185.2	184.4	183.6	182.7	181.9	182.7	183.6	184.4
105°	245.3	243.2	241.1	239.8	239.3	238.9	238.4	237.9	238.4	238.9	239.3
107.5°	306.5	305.6	304.8	304.2	303.9	303.6	303.4	303.0	303.4	303.6	303.9
110°	347.0	346.5	346.0	345.5	345.0	344.6	344.1	343.6	344.1	344.6	345.0





TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	387.4	387.3	387.3	387.1	386.8	386.5	386.2	386.0	386.2	386.5	386.8
115°	451.4	451.8	452.3	452.2	451.5	450.8	450.1	449.4	450.1	450.8	451.5
117.5°	513.9	514.5	515.1	515.2	514.7	514.2	513.7	513.3	513.7	514.2	514.7
120°	556.4	557.6	558.8	558.6	557.3	555.9	554.4	553.0	554.4	555.9	557.3
122.5°	597.6	598.2	598.8	598.6	597.6	596.6	595.5	594.5	595.5	596.6	597.6
125°	659.7	660.1	660.6	660.6	659.8	659.1	658.4	657.7	658.4	659.1	659.8
127.5°	721.5	722.1	722.6	722.1	720.6	719.1	717.6	716.1	717.6	719.1	720.6
130°	761.7	762.4	763.1	762.5	760.7	758.8	756.8	755.0	756.8	758.8	760.7
132.5°	801.1	801.6	802.1	801.4	799.6	797.7	795.8	793.9	795.8	797.7	799.6
135°	859.1	859.3	859.6	859.0	857.5	856.1	854.8	853.4	854.8	856.1	857.5
137.5°	915.2	914.5	914.0	913.1	911.8	910.7	909.5	908.3	909.5	910.7	911.8
140°	952.3	952.0	951.8	951.1	949.9	948.8	947.5	946.4	947.5	948.8	949.9
142.5°	987.4	987.0	986.6	985.8	984.6	983.4	982.3	981.0	982.3	983.4	984.6
145°	1039.1	1038.4	1037.7	1037.1	1036.7	1036.2	1035.7	1035.2	1035.7	1036.2	1036.7
147.5°	1088.0	1087.4	1086.7	1086.0	1085.2	1084.3	1083.5	1082.6	1083.5	1084.3	1085.2
150°	1118.8	1118.4	1117.9	1117.4	1117.0	1116.6	1116.1	1115.6	1116.1	1116.6	1117.0
152.5°	1146.3	1146.1	1145.7	1145.3	1144.6	1143.9	1143.3	1142.6	1143.3	1143.9	1144.6
155°	1185.9	1185.7	1185.5	1185.4	1185.4	1185.4	1185.4	1185.4	1185.4	1185.4	1185.4
157.5°	1220.9	1220.7	1220.6	1220.6	1220.9	1221.2	1221.5	1221.7	1221.5	1221.2	1220.9
160°	1242.4	1242.4	1242.4	1242.7	1243.2	1243.7	1244.1	1244.6	1244.1	1243.7	1243.2
162.5°	1262.4	1262.2	1262.0	1262.2	1262.9	1263.6	1264.2	1264.9	1264.2	1263.6	1262.9
165°	1287.9	1287.9	1287.9	1288.3	1289.0	1289.7	1290.4	1291.1	1290.4	1289.7	1289.0
167.5°	1308.3	1308.1	1307.9	1308.3	1309.2	1310.2	1311.1	1312.1	1311.1	1310.2	1309.2
170°	1319.6	1319.6	1319.6	1320.1	1321.1	1322.0	1323.0	1323.9	1323.0	1322.0	1321.1
172.5°	1328.9	1328.9	1328.9	1329.4	1330.4	1331.3	1332.3	1333.2	1332.3	1331.3	1330.4
175°	1338.7	1338.7	1338.7	1339.1	1340.1	1341.1	1342.0	1343.0	1342.0	1341.1	1340.1
177.5°	1343.5	1343.5	1343.5	1343.9	1344.7	1345.4	1346.2	1347.0	1346.2	1345.4	1344.7
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	980.1	975.6	972.6	965.7	961.2	956.5	951.7	954.8	954.5	954.1	954.1
5°	947.2	937.3	928.4	916.9	909.6	900.7	893.8	893.0	894.7	888.7	885.3
7.5°	914.6	901.2	888.4	875.7	862.3	851.5	844.7	841.6	837.2	833.6	829.7
10°	891.7	875.9	863.5	847.7	833.2	820.4	812.3	806.7	803.7	800.8	795.2
12.5°	868.1	852.6	836.9	819.0	805.2	790.4	784.3	778.0	772.3	769.0	761.4
15°	833.6	813.6	797.0	778.1	762.8	748.3	739.7	727.3	725.6	721.4	713.7
17.5°	799.1	777.3	754.3	740.5	723.1	708.0	695.0	690.8	678.6	674.0	667.3
20°	771.8	751.7	734.2	715.8	690.6	676.5	666.3	660.8	650.9	645.0	640.7
22.5°	748.2	727.8	707.5	686.2	665.4	649.5	642.0	633.4	628.1	619.7	615.1
25°	714.5	692.4	668.1	645.0	630.1	618.1	606.1	598.4	590.8	586.9	578.4
27.5°	675.5	652.2	629.5	612.0	593.7	581.9	571.0	564.2	555.0	548.5	543.8
30°	654.0	626.6	607.0	591.2	567.7	556.6	548.5	540.0	533.1	526.3	521.6
32.5°	629.0	604.1	585.5	565.9	547.9	535.8	525.3	517.8	511.9	505.5	500.8
35°	589.9	569.0	549.8	530.1	516.9	504.5	492.2	485.8	480.2	474.3	469.9
37.5°	554.6	535.0	516.7	498.1	481.8	471.7	461.7	456.8	449.3	445.3	440.9
40°	532.7	513.5	493.8	476.0	458.9	451.2	442.2	435.0	428.1	425.2	420.4
42.5°	508.8	489.6	473.0	453.7	439.8	429.3	421.0	413.1	408.0	403.7	401.0
45°	473.4	456.3	440.1	420.9	407.6	398.7	389.3	382.0	377.3	374.4	369.7
47.5°	439.0	421.9	405.4	388.7	375.9	365.7	356.3	351.2	345.0	341.3	338.2
50°	414.0	398.7	381.2	365.8	353.0	342.8	335.1	328.6	323.1	318.5	316.3
52.5°	391.2	374.8	359.6	345.4	331.8	320.2	313.2	306.5	302.3	296.9	294.4
55°	353.4	337.6	324.8	310.7	297.5	287.7	279.2	273.2	268.9	262.9	259.5
57.5°	318.0	303.9	288.5	276.3	262.7	254.4	247.3	239.2	234.0	229.3	226.0
60°	294.1	277.9	264.6	253.2	241.2	230.5	224.1	217.7	212.1	207.4	204.5
62.5°	269.2	255.0	242.5	229.9	219.0	209.7	202.3	196.9	192.0	189.0	186.1
65°	230.9	219.8	207.0	196.8	186.5	179.7	173.7	169.0	165.6	163.5	160.9
67.5°	195.8	185.0	173.8	163.7	156.9	151.7	147.8	143.7	142.0	139.3	137.6
70°	172.8	161.8	152.0	144.3	137.5	133.6	131.0	128.1	126.4	122.9	121.2
72.5°	148.0	139.9	132.8	126.5	121.1	117.6	114.3	110.6	107.9	104.1	102.5
75°	116.5	109.3	103.7	99.5	96.0	91.3	86.7	82.8	81.5	80.2	79.8
77.5°	86.3	81.7	77.7	74.1	69.9	66.4	65.4	64.6	64.2	63.6	63.6
80°	67.8	63.6	60.6	56.3	53.8	53.8	53.8	52.9	53.3	53.3	53.3
82.5°	50.5	46.6	44.9	43.4	42.9	43.2	43.2	43.4	43.1	43.8	43.5
85°	26.0	26.5	27.3	26.9	27.3	27.3	28.2	27.7	28.2	27.3	28.2
87.5°	11.7	13.2	14.2	15.1	16.1	16.3	16.9	17.0	17.6	17.8	17.9
90°	10.4	13.1	16.2	19.2	22.3	25.4	26.3	27.2	28.2	29.1	29.8
92.5°	32.0	33.7	35.4	37.1	38.9	40.6	41.3	42.1	42.9	43.6	43.9
95°	69.0	70.8	72.6	74.5	76.4	78.3	79.2	80.1	81.0	82.0	82.5
97.5°	115.7	117.0	118.4	119.7	121.1	122.5	123.5	124.6	125.7	126.8	127.3
100°	149.4	150.7	151.9	153.1	154.3	155.5	156.1	156.9	157.5	158.2	158.8
102.5°	185.2	186.5	188.0	189.6	191.1	192.7	193.4	194.0	194.8	195.5	195.8
105°	239.8	241.1	243.2	245.3	247.4	249.6	249.6	249.6	249.6	249.6	249.8
107.5°	304.2	304.8	305.6	306.5	307.3	308.1	308.9	309.7	310.4	311.1	311.4
110°	345.5	346.0	346.5	347.0	347.4	347.9	348.9	349.8	350.7	351.6	351.9



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	387.1	387.3	387.3	387.4	387.6	387.7	388.8	389.9	391.0	392.2	392.6
115°	452.2	452.3	451.8	451.4	450.9	450.5	450.7	450.9	451.2	451.4	451.4
117.5°	515.2	515.1	514.5	513.9	513.2	512.7	512.6	512.6	512.5	512.4	512.1
120°	558.6	558.8	557.6	556.4	555.3	554.1	553.8	553.6	553.4	553.2	552.8
122.5°	598.6	598.8	598.2	597.6	597.0	596.4	595.7	595.2	594.5	593.9	593.3
125°	660.6	660.6	660.1	659.7	659.3	658.8	657.9	656.9	656.0	655.0	654.1
127.5°	722.1	722.6	722.1	721.5	721.1	720.6	719.2	717.9	716.6	715.3	714.0
130°	762.5	763.1	762.4	761.7	761.0	760.3	759.4	758.4	757.5	756.5	755.2
132.5°	801.4	802.1	801.6	801.1	800.5	800.1	798.9	797.8	796.6	795.6	794.3
135°	859.0	859.6	859.3	859.1	858.8	858.6	857.7	856.7	855.8	854.8	854.2
137.5°	913.1	914.0	914.5	915.2	915.7	916.4	915.3	914.4	913.4	912.4	911.5
140°	951.1	951.8	952.0	952.3	952.5	952.8	952.5	952.3	952.0	951.8	950.9
142.5°	985.8	986.6	987.0	987.4	987.8	988.3	988.1	987.8	987.6	987.3	986.6
145°	1037.1	1037.7	1038.4	1039.1	1039.8	1040.5	1040.2	1040.0	1039.8	1039.6	1039.0
147.5°	1086.0	1086.7	1087.4	1088.0	1088.7	1089.3	1089.3	1089.3	1089.3	1089.3	1088.7
150°	1117.4	1117.9	1118.4	1118.8	1119.3	1119.8	1119.8	1119.8	1119.8	1119.8	1119.1
152.5°	1145.3	1145.7	1146.1	1146.3	1146.6	1146.9	1147.3	1147.6	1148.0	1148.3	1147.9
155°	1185.4	1185.5	1185.7	1185.9	1186.2	1186.4	1187.4	1188.3	1189.3	1190.2	1189.8
157.5°	1220.6	1220.6	1220.7	1220.9	1221.2	1221.3	1222.3	1223.3	1224.3	1225.3	1225.1
160°	1242.7	1242.4	1242.4	1242.4	1242.4	1242.4	1243.7	1244.8	1246.0	1247.2	1247.3
162.5°	1262.2	1262.0	1262.2	1262.4	1262.6	1262.7	1264.0	1265.1	1266.3	1267.5	1267.3
165°	1288.3	1287.9	1287.9	1287.9	1287.9	1287.9	1289.3	1290.8	1292.2	1293.6	1293.5
167.5°	1308.3	1307.9	1308.1	1308.3	1308.5	1308.6	1310.1	1311.6	1313.0	1314.5	1314.5
170°	1320.1	1319.6	1319.6	1319.6	1319.6	1319.6	1321.3	1323.0	1324.6	1326.2	1326.2
172.5°	1329.4	1328.9	1328.9	1328.9	1328.9	1328.9	1330.4	1331.9	1333.3	1334.8	1334.7
175°	1339.1	1338.7	1338.7	1338.7	1338.7	1338.7	1340.1	1341.5	1343.0	1344.3	1344.2
177.5°	1343.9	1343.5	1343.5	1343.5	1343.5	1343.5	1344.7	1345.8	1347.0	1348.1	1348.0
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	950.0	949.7	950.0	948.6	950.0	949.7	950.0	954.1	954.1	954.5	954.8
5°	884.0	883.5	882.3	878.5	882.3	883.5	884.0	885.3	888.7	894.7	893.0
7.5°	826.4	825.8	822.1	822.1	822.1	825.8	826.4	829.7	833.6	837.2	841.6
10°	792.2	792.6	787.6	784.6	787.6	792.6	792.2	795.2	800.8	803.7	806.7
12.5°	759.1	757.2	753.0	749.7	753.0	757.2	759.1	761.4	769.0	772.3	778.0
15°	715.4	711.1	700.9	701.7	700.9	711.1	715.4	713.7	721.4	725.6	727.3
17.5°	663.9	660.8	660.6	654.6	660.6	660.8	663.9	667.3	674.0	678.6	690.8
20°	633.9	631.8	632.6	626.6	632.6	631.8	633.9	640.7	645.0	650.9	660.8
22.5°	610.3	608.2	604.6	602.8	604.6	608.2	610.3	615.1	619.7	628.1	633.4
25°	575.8	572.4	569.0	571.1	569.0	572.4	575.8	578.4	586.9	590.8	598.4
27.5°	541.4	538.7	535.3	534.9	535.3	538.7	541.4	543.8	548.5	555.0	564.2
30°	519.5	516.9	515.2	513.1	515.2	516.9	519.5	521.6	526.3	533.1	540.0
32.5°	497.3	496.8	493.7	493.3	493.7	496.8	497.3	500.8	505.5	511.9	517.8
35°	468.2	465.7	464.8	465.3	464.8	465.7	468.2	469.9	474.3	480.2	485.8
37.5°	440.7	437.2	435.7	434.2	435.7	437.2	440.7	440.9	445.3	449.3	456.8
40°	420.9	417.4	416.6	415.7	416.6	417.4	420.9	420.4	425.2	428.1	435.0
42.5°	398.7	397.3	396.8	395.3	396.8	397.3	398.7	401.0	403.7	408.0	413.1
45°	368.4	367.9	365.4	366.2	365.4	367.9	368.4	369.7	374.4	377.3	382.0
47.5°	336.5	334.6	332.8	333.9	332.8	334.6	336.5	338.2	341.3	345.0	351.2
50°	314.6	313.7	309.9	310.7	309.9	313.7	314.6	316.3	318.5	323.1	328.6
52.5°	292.8	289.5	288.0	287.6	288.0	289.5	292.8	294.4	296.9	302.3	306.5
55°	256.6	252.7	250.9	250.1	250.9	252.7	256.6	259.5	262.9	268.9	273.2
57.5°	221.0	220.0	218.7	219.6	218.7	220.0	221.0	226.0	229.3	234.0	239.2
60°	200.2	200.2	200.2	199.7	200.2	200.2	200.2	204.5	207.4	212.1	217.7
62.5°	184.2	183.1	182.8	183.4	182.8	183.1	184.2	186.1	189.0	192.0	196.9
65°	159.6	159.2	157.5	157.1	157.5	159.2	159.6	160.9	163.5	165.6	169.0
67.5°	136.5	134.9	134.4	133.9	134.4	134.9	136.5	137.6	139.3	142.0	143.7
70°	119.1	118.2	115.7	116.1	115.7	118.2	119.1	121.2	122.9	126.4	128.1
72.5°	100.3	99.5	99.0	98.3	99.0	99.5	100.3	102.5	104.1	107.9	110.6
75°	79.4	79.0	78.5	80.2	78.5	79.0	79.4	79.8	80.2	81.5	82.8
77.5°	63.6	63.6	63.8	63.2	63.8	63.6	63.6	63.6	63.6	64.2	64.6
80°	53.3	53.3	52.9	52.9	52.9	53.3	53.3	53.3	53.3	53.3	52.9
82.5°	42.8	43.1	43.4	42.7	43.4	43.1	42.8	43.5	43.8	43.1	43.4
85°	28.2	27.7	28.6	28.2	28.6	27.7	28.2	28.2	27.3	28.2	27.7
87.5°	18.7	18.1	18.2	18.7	18.2	18.1	18.7	17.9	17.8	17.6	17.0
90°	30.3	30.8	31.2	31.7	31.2	30.8	30.3	29.8	29.1	28.2	27.2
92.5°	43.5	43.3	43.0	42.7	43.0	43.3	43.5	43.9	43.6	42.9	42.1
95°	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.0	81.0	80.1
97.5°	127.2	127.1	127.0	126.9	127.0	127.1	127.2	127.3	126.8	125.7	124.6
100°	159.3	159.8	160.3	160.7	160.3	159.8	159.3	158.8	158.2	157.5	156.9
102.5°	195.7	195.6	195.5	195.4	195.5	195.6	195.7	195.8	195.5	194.8	194.0
105°	250.3	250.7	251.2	251.7	251.2	250.7	250.3	249.8	249.6	249.6	249.6
107.5°	311.1	310.8	310.5	310.2	310.5	310.8	311.1	311.4	311.1	310.4	309.7
110°	351.4	351.0	350.5	350.0	350.5	351.0	351.4	351.9	351.6	350.7	349.8



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	392.6	392.5	392.4	392.3	392.4	392.5	392.6	392.6	392.2	391.0	389.9
115°	451.2	450.9	450.7	450.5	450.7	450.9	451.2	451.4	451.4	451.2	450.9
117.5°	511.4	510.8	510.1	509.5	510.1	510.8	511.4	512.1	512.4	512.5	512.6
120°	552.4	551.9	551.4	550.9	551.4	551.9	552.4	552.8	553.2	553.4	553.6
122.5°	592.6	592.0	591.3	590.7	591.3	592.0	592.6	593.3	593.9	594.5	595.2
125°	653.1	652.2	651.3	650.3	651.3	652.2	653.1	654.1	655.0	656.0	656.9
127.5°	713.0	711.9	710.9	709.7	710.9	711.9	713.0	714.0	715.3	716.6	717.9
130°	753.6	752.0	750.3	748.7	750.3	752.0	753.6	755.2	756.5	757.5	758.4
132.5°	793.0	791.8	790.5	789.3	790.5	791.8	793.0	794.3	795.6	796.6	797.8
135°	853.7	853.2	852.7	852.3	852.7	853.2	853.7	854.2	854.8	855.8	856.7
137.5°	910.6	909.7	908.8	907.9	908.8	909.7	910.6	911.5	912.4	913.4	914.4
140°	949.3	947.5	945.9	944.3	945.9	947.5	949.3	950.9	951.8	952.0	952.3
142.5°	985.3	984.1	982.8	981.5	982.8	984.1	985.3	986.6	987.3	987.6	987.8
145°	1038.0	1037.1	1036.2	1035.2	1036.2	1037.1	1038.0	1039.0	1039.6	1039.8	1040.0
147.5°	1087.3	1085.8	1084.4	1083.0	1084.4	1085.8	1087.3	1088.7	1089.3	1089.3	1089.3
150°	1117.7	1116.3	1114.8	1113.5	1114.8	1116.3	1117.7	1119.1	1119.8	1119.8	1119.8
152.5°	1146.7	1145.5	1144.3	1143.0	1144.3	1145.5	1146.7	1147.9	1148.3	1148.0	1147.6
155°	1188.2	1186.6	1184.9	1183.2	1184.9	1186.6	1188.2	1189.8	1190.2	1189.3	1188.3
157.5°	1223.8	1222.5	1221.2	1219.9	1221.2	1222.5	1223.8	1225.1	1225.3	1224.3	1223.3
160°	1246.3	1245.5	1244.5	1243.5	1244.5	1245.5	1246.3	1247.3	1247.2	1246.0	1244.8
162.5°	1265.8	1264.3	1262.8	1261.3	1262.8	1264.3	1265.8	1267.3	1267.5	1266.3	1265.1
165°	1291.8	1290.2	1288.5	1286.9	1288.5	1290.2	1291.8	1293.5	1293.6	1292.2	1290.8
167.5°	1313.0	1311.6	1310.1	1308.6	1310.1	1311.6	1313.0	1314.5	1314.5	1313.0	1311.6
170°	1324.6	1323.0	1321.3	1319.6	1321.3	1323.0	1324.6	1326.2	1326.2	1324.6	1323.0
172.5°	1333.1	1331.4	1329.8	1328.1	1329.8	1331.4	1333.1	1334.7	1334.8	1333.3	1331.9
175°	1342.6	1340.9	1339.3	1337.7	1339.3	1340.9	1342.6	1344.2	1344.3	1343.0	1341.5
177.5°	1346.6	1345.3	1344.0	1342.7	1344.0	1345.3	1346.6	1348.0	1348.1	1347.0	1345.8
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	951.7	956.5	961.2	965.7	972.6	975.6	980.1	981.8	986.8	994.4	1000.5
5°	893.8	900.7	909.6	916.9	928.4	937.3	947.2	956.6	967.7	983.5	997.5
7.5°	844.7	851.5	862.3	875.7	888.4	901.2	914.6	927.4	943.2	965.9	988.3
10°	812.3	820.4	833.2	847.7	863.5	875.9	891.7	907.9	927.6	953.6	980.5
12.5°	784.3	790.4	805.2	819.0	836.9	852.6	868.1	887.0	909.5	937.2	969.6
15°	739.7	748.3	762.8	778.1	797.0	813.6	833.6	856.7	878.5	912.6	951.9
17.5°	695.0	708.0	723.1	740.5	754.3	777.3	799.1	822.7	849.5	885.7	928.8
20°	666.3	676.5	690.6	715.8	734.2	751.7	771.8	801.2	826.0	866.9	911.7
22.5°	642.0	649.5	665.4	686.2	707.5	727.8	748.2	776.2	806.8	845.8	894.3
25°	606.1	618.1	630.1	645.0	668.1	692.4	714.5	738.4	770.9	812.3	864.8
27.5°	571.0	581.9	593.7	612.0	629.5	652.2	675.5	702.9	737.7	781.5	834.8
30°	548.5	556.6	567.7	591.2	607.0	626.6	654.0	678.2	710.7	757.2	813.6
32.5°	525.3	535.8	547.9	565.9	585.5	604.1	629.0	655.4	688.5	734.3	792.1
35°	492.2	504.5	516.9	530.1	549.8	569.0	589.9	618.9	652.6	697.1	753.8
37.5°	461.7	471.7	481.8	498.1	516.7	535.0	554.6	583.2	614.9	662.8	714.9
40°	442.2	451.2	458.9	476.0	493.8	513.5	532.7	557.9	592.1	636.8	687.2
42.5°	421.0	429.3	439.8	453.7	473.0	489.6	508.8	532.6	564.8	610.3	654.4
45°	389.3	398.7	407.6	420.9	440.1	456.3	473.4	496.0	528.9	566.5	605.7
47.5°	356.3	365.7	375.9	388.7	405.4	421.9	439.0	459.0	489.0	525.9	552.4
50°	335.1	342.8	353.0	365.8	381.2	398.7	414.0	435.8	464.4	493.4	516.5
52.5°	313.2	320.2	331.8	345.4	359.6	374.8	391.2	409.9	435.7	463.0	481.4
55°	279.2	287.7	297.5	310.7	324.8	337.6	353.4	372.7	393.1	413.6	426.0
57.5°	247.3	254.4	262.7	276.3	288.5	303.9	318.0	333.0	351.9	367.4	375.4
60°	224.1	230.5	241.2	253.2	264.6	277.9	294.1	309.1	323.6	335.9	342.3
62.5°	202.3	209.7	219.0	229.9	242.5	255.0	269.2	281.7	294.5	305.2	309.6
65°	173.7	179.7	186.5	196.8	207.0	219.8	230.9	243.7	253.2	259.1	262.9
67.5°	147.8	151.7	156.9	163.7	173.8	185.0	195.8	205.8	213.6	217.7	221.1
70°	131.0	133.6	137.5	144.3	152.0	161.8	172.8	180.1	186.9	190.4	193.8
72.5°	114.3	117.6	121.1	126.5	132.8	139.9	148.0	156.9	160.7	164.8	166.8
75°	86.7	91.3	96.0	99.5	103.7	109.3	116.5	122.1	124.3	127.6	128.1
77.5°	65.4	66.4	69.9	74.1	77.7	81.7	86.3	91.2	92.3	94.1	95.2
80°	53.8	53.8	53.8	56.3	60.6	63.6	67.8	70.4	72.2	72.6	73.0
82.5°	43.2	43.2	42.9	43.4	44.9	46.6	50.5	53.3	54.7	54.5	53.6
85°	28.2	27.3	27.3	26.9	27.3	26.5	26.0	27.7	30.3	30.3	29.4
87.5°	16.9	16.3	16.1	15.1	14.2	13.2	11.7	11.5	11.1	12.0	11.2
90°	26.3	25.4	22.3	19.2	16.2	13.1	10.4	8.1	5.8	3.4	1.1
92.5°	41.3	40.6	38.9	37.1	35.4	33.7	32.0	30.4	28.8	27.1	25.6
95°	79.2	78.3	76.4	74.5	72.6	70.8	69.0	67.3	65.7	64.0	62.4
97.5°	123.5	122.5	121.1	119.7	118.4	117.0	115.7	114.5	113.2	112.0	110.8
100°	156.1	155.5	154.3	153.1	151.9	150.7	149.4	148.1	146.6	145.2	143.8
102.5°	193.4	192.7	191.1	189.6	188.0	186.5	185.2	184.4	183.6	182.7	181.9
105°	249.6	249.6	247.4	245.3	243.2	241.1	239.8	239.3	238.9	238.4	237.9
107.5°	308.9	308.1	307.3	306.5	305.6	304.8	304.2	303.9	303.6	303.4	303.0
110°	348.9	347.9	347.4	347.0	346.5	346.0	345.5	345.0	344.6	344.1	343.6



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	388.8	387.7	387.6	387.4	387.3	387.3	387.1	386.8	386.5	386.2	386.0
115°	450.7	450.5	450.9	451.4	451.8	452.3	452.2	451.5	450.8	450.1	449.4
117.5°	512.6	512.7	513.2	513.9	514.5	515.1	515.2	514.7	514.2	513.7	513.3
120°	553.8	554.1	555.3	556.4	557.6	558.8	558.6	557.3	555.9	554.4	553.0
122.5°	595.7	596.4	597.0	597.6	598.2	598.8	598.6	597.6	596.6	595.5	594.5
125°	657.9	658.8	659.3	659.7	660.1	660.6	660.6	659.8	659.1	658.4	657.7
127.5°	719.2	720.6	721.1	721.5	722.1	722.6	722.1	720.6	719.1	717.6	716.1
130°	759.4	760.3	761.0	761.7	762.4	763.1	762.5	760.7	758.8	756.8	755.0
132.5°	798.9	800.1	800.5	801.1	801.6	802.1	801.4	799.6	797.7	795.8	793.9
135°	857.7	858.6	858.8	859.1	859.3	859.6	859.0	857.5	856.1	854.8	853.4
137.5°	915.3	916.4	915.7	915.2	914.5	914.0	913.1	911.8	910.7	909.5	908.3
140°	952.5	952.8	952.5	952.3	952.0	951.8	951.1	949.9	948.8	947.5	946.4
142.5°	988.1	988.3	987.8	987.4	987.0	986.6	985.8	984.6	983.4	982.3	981.0
145°	1040.2	1040.5	1039.8	1039.1	1038.4	1037.7	1037.1	1036.7	1036.2	1035.7	1035.2
147.5°	1089.3	1089.3	1088.7	1088.0	1087.4	1086.7	1086.0	1085.2	1084.3	1083.5	1082.6
150°	1119.8	1119.8	1119.3	1118.8	1118.4	1117.9	1117.4	1117.0	1116.6	1116.1	1115.6
152.5°	1147.3	1146.9	1146.6	1146.3	1146.1	1145.7	1145.3	1144.6	1143.9	1143.3	1142.6
155°	1187.4	1186.4	1186.2	1185.9	1185.7	1185.5	1185.4	1185.4	1185.4	1185.4	1185.4
157.5°	1222.3	1221.3	1221.2	1220.9	1220.7	1220.6	1220.6	1220.9	1221.2	1221.5	1221.7
160°	1243.7	1242.4	1242.4	1242.4	1242.4	1242.4	1242.7	1243.2	1243.7	1244.1	1244.6
162.5°	1264.0	1262.7	1262.6	1262.4	1262.2	1262.0	1262.2	1262.9	1263.6	1264.2	1264.9
165°	1289.3	1287.9	1287.9	1287.9	1287.9	1287.9	1288.3	1289.0	1289.7	1290.4	1291.1
167.5°	1310.1	1308.6	1308.5	1308.3	1308.1	1307.9	1308.3	1309.2	1310.2	1311.1	1312.1
170°	1321.3	1319.6	1319.6	1319.6	1319.6	1319.6	1320.1	1321.1	1322.0	1323.0	1323.9
172.5°	1330.4	1328.9	1328.9	1328.9	1328.9	1328.9	1329.4	1330.4	1331.3	1332.3	1333.2
175°	1340.1	1338.7	1338.7	1338.7	1338.7	1338.7	1339.1	1340.1	1341.1	1342.0	1343.0
177.5°	1344.7	1343.5	1343.5	1343.5	1343.5	1343.5	1343.9	1344.7	1345.4	1346.2	1347.0
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1002.6	1006.3	1011.1	1018.3	1023.8	1028.5	1029.6	1030.9	1034.4	1040.2	1044.6
5°	1009.1	1018.9	1034.7	1050.0	1066.7	1080.4	1093.2	1102.1	1110.7	1128.6	1143.1
7.5°	1007.1	1028.9	1053.6	1081.2	1109.1	1136.2	1161.3	1183.7	1206.1	1232.2	1262.0
10°	1005.7	1031.3	1064.5	1100.0	1138.8	1176.8	1213.6	1242.1	1275.5	1305.3	1343.3
12.5°	999.1	1036.1	1075.9	1121.2	1168.9	1212.7	1261.0	1300.6	1338.6	1381.8	1426.0
15°	990.8	1035.5	1085.9	1146.1	1218.6	1271.6	1321.1	1389.8	1436.8	1483.8	1546.9
17.5°	975.3	1030.0	1092.9	1171.1	1231.7	1302.8	1377.3	1431.6	1494.9	1561.0	1618.2
20°	963.0	1026.5	1097.0	1173.9	1251.1	1328.4	1400.5	1465.3	1530.7	1607.1	1654.1
22.5°	950.7	1013.6	1086.8	1168.4	1251.4	1332.8	1414.5	1490.6	1564.2	1641.3	1701.2
25°	924.5	999.2	1078.6	1161.9	1243.8	1333.5	1430.8	1515.7	1606.6	1686.0	1742.9
27.5°	898.1	966.5	1045.6	1130.0	1221.2	1327.1	1441.5	1538.1	1629.2	1686.0	1703.9
30°	874.2	946.7	1019.3	1105.1	1203.7	1321.9	1443.6	1554.1	1628.9	1653.6	1635.2
32.5°	849.9	915.7	987.6	1075.4	1180.1	1309.3	1446.3	1544.6	1589.6	1570.7	1495.9
35°	807.1	866.5	936.0	1024.0	1144.4	1302.4	1435.1	1501.6	1490.5	1383.8	1243.0
37.5°	761.4	809.8	874.2	966.1	1107.3	1274.6	1386.6	1396.4	1300.3	1136.5	973.8
40°	725.2	768.7	834.9	931.0	1078.6	1247.2	1337.7	1298.0	1149.1	966.8	831.1
42.5°	690.1	726.8	790.5	894.1	1051.3	1210.1	1265.0	1178.5	1006.7	834.3	710.9
45°	630.5	665.0	729.0	835.4	995.4	1138.8	1131.6	981.3	809.3	670.6	568.1
47.5°	574.0	604.1	664.2	772.7	929.8	1032.1	964.3	804.4	658.4	547.1	474.1
50°	534.0	563.9	623.6	730.8	877.2	951.9	855.0	700.9	567.3	475.1	417.0
52.5°	495.8	525.0	579.6	684.0	813.7	858.3	754.2	611.4	500.0	420.4	370.6
55°	442.2	464.4	513.5	613.3	710.3	720.6	615.1	495.5	403.8	348.3	314.1
57.5°	387.7	406.8	455.3	534.8	602.8	597.5	497.6	394.1	332.3	291.1	266.4
60°	352.1	371.0	413.6	481.9	533.1	515.2	423.5	340.2	287.2	257.0	237.3
62.5°	319.0	333.7	373.7	423.5	460.4	440.1	362.0	293.1	251.1	225.5	210.0
65°	271.1	283.0	315.0	341.0	361.5	341.9	277.0	229.2	198.9	181.0	170.3
67.5°	225.4	233.1	253.3	262.7	277.1	255.6	208.3	176.3	159.1	143.9	136.5
70°	196.8	202.4	213.0	220.7	224.5	202.4	167.3	143.8	129.3	118.6	114.0
72.5°	168.1	172.9	175.1	181.4	179.4	158.7	134.5	115.9	105.4	98.2	92.1
75°	128.5	130.6	128.5	125.9	120.3	105.8	89.2	79.8	72.2	68.7	66.6
77.5°	93.7	92.9	90.1	86.0	76.6	67.4	58.5	55.4	52.0	50.2	49.4
80°	72.2	70.4	67.8	61.5	53.3	47.0	44.8	42.7	41.4	39.3	38.8
82.5°	53.7	52.7	48.4	43.0	37.3	34.3	32.5	31.8	30.5	29.4	29.3
85°	28.6	27.3	22.6	19.6	18.8	17.9	17.5	17.5	15.8	15.3	15.3
87.5°	9.9	8.3	8.5	7.9	8.4	8.4	9.3	9.2	9.5	10.0	9.5
90°	3.4	5.8	8.1	10.4	13.1	16.2	19.2	22.3	25.4	26.3	27.2
92.5°	27.1	28.8	30.4	32.0	33.7	35.4	37.1	38.9	40.6	41.3	42.1
95°	64.0	65.7	67.3	69.0	70.8	72.6	74.5	76.4	78.3	79.2	80.1
97.5°	112.0	113.2	114.5	115.7	117.0	118.4	119.7	121.1	122.5	123.5	124.6
100°	145.2	146.6	148.1	149.4	150.7	151.9	153.1	154.3	155.5	156.1	156.9
102.5°	182.7	183.6	184.4	185.2	186.5	188.0	189.6	191.1	192.7	193.4	194.0
105°	238.4	238.9	239.3	239.8	241.1	243.2	245.3	247.4	249.6	249.6	249.6
107.5°	303.4	303.6	303.9	304.2	304.8	305.6	306.5	307.3	308.1	308.9	309.7
110°	344.1	344.6	345.0	345.5	346.0	346.5	347.0	347.4	347.9	348.9	349.8





TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	386.2	386.5	386.8	387.1	387.3	387.3	387.4	387.6	387.7	388.8	389.9
115°	450.1	450.8	451.5	452.2	452.3	451.8	451.4	450.9	450.5	450.7	450.9
117.5°	513.7	514.2	514.7	515.2	515.1	514.5	513.9	513.2	512.7	512.6	512.6
120°	554.4	555.9	557.3	558.6	558.8	557.6	556.4	555.3	554.1	553.8	553.6
122.5°	595.5	596.6	597.6	598.6	598.8	598.2	597.6	597.0	596.4	595.7	595.2
125°	658.4	659.1	659.8	660.6	660.6	660.1	659.7	659.3	658.8	657.9	656.9
127.5°	717.6	719.1	720.6	722.1	722.6	722.1	721.5	721.1	720.6	719.2	717.9
130°	756.8	758.8	760.7	762.5	763.1	762.4	761.7	761.0	760.3	759.4	758.4
132.5°	795.8	797.7	799.6	801.4	802.1	801.6	801.1	800.5	800.1	798.9	797.8
135°	854.8	856.1	857.5	859.0	859.6	859.3	859.1	858.8	858.6	857.7	856.7
137.5°	909.5	910.7	911.8	913.1	914.0	914.5	915.2	915.7	916.4	915.3	914.4
140°	947.5	948.8	949.9	951.1	951.8	952.0	952.3	952.5	952.8	952.5	952.3
142.5°	982.3	983.4	984.6	985.8	986.6	987.0	987.4	987.8	988.3	988.1	987.8
145°	1035.7	1036.2	1036.7	1037.1	1037.7	1038.4	1039.1	1039.8	1040.5	1040.2	1040.0
147.5°	1083.5	1084.3	1085.2	1086.0	1086.7	1087.4	1088.0	1088.7	1089.3	1089.3	1089.3
150°	1116.1	1116.6	1117.0	1117.4	1117.9	1118.4	1118.8	1119.3	1119.8	1119.8	1119.8
152.5°	1143.3	1143.9	1144.6	1145.3	1145.7	1146.1	1146.3	1146.6	1146.9	1147.3	1147.6
155°	1185.4	1185.4	1185.4	1185.4	1185.5	1185.7	1185.9	1186.2	1186.4	1187.4	1188.3
157.5°	1221.5	1221.2	1220.9	1220.6	1220.6	1220.7	1220.9	1221.2	1221.3	1222.3	1223.3
160°	1244.1	1243.7	1243.2	1242.7	1242.4	1242.4	1242.4	1242.4	1242.4	1243.7	1244.8
162.5°	1264.2	1263.6	1262.9	1262.2	1262.0	1262.2	1262.4	1262.6	1262.7	1264.0	1265.1
165°	1290.4	1289.7	1289.0	1288.3	1287.9	1287.9	1287.9	1287.9	1287.9	1289.3	1290.8
167.5°	1311.1	1310.2	1309.2	1308.3	1307.9	1308.1	1308.3	1308.5	1308.6	1310.1	1311.6
170°	1323.0	1322.0	1321.1	1320.1	1319.6	1319.6	1319.6	1319.6	1319.6	1321.3	1323.0
172.5°	1332.3	1331.3	1330.4	1329.4	1328.9	1328.9	1328.9	1328.9	1328.9	1330.4	1331.9
175°	1342.0	1341.1	1340.1	1339.1	1338.7	1338.7	1338.7	1338.7	1338.7	1340.1	1341.5
177.5°	1346.2	1345.4	1344.7	1343.9	1343.5	1343.5	1343.5	1343.5	1343.5	1344.7	1345.8
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1051.7	1051.7	1053.1	1058.3	1058.9	1063.4	1062.0
5°	1155.9	1164.0	1167.0	1179.8	1187.5	1190.9	1184.1
7.5°	1283.3	1306.2	1317.0	1330.4	1342.3	1345.9	1336.5
10°	1376.1	1400.0	1420.2	1432.5	1444.1	1451.7	1461.5
12.5°	1466.0	1495.3	1514.4	1531.9	1543.8	1553.5	1555.1
15°	1563.6	1607.9	1641.7	1666.4	1678.8	1685.2	1682.6
17.5°	1662.0	1703.2	1727.1	1752.4	1769.5	1770.4	1770.9
20°	1717.7	1757.8	1785.5	1804.3	1823.5	1822.7	1826.9
22.5°	1754.9	1786.5	1807.7	1821.4	1828.0	1824.7	1825.5
25°	1772.3	1781.7	1777.8	1756.1	1750.5	1730.5	1733.9
27.5°	1682.5	1638.1	1592.1	1533.1	1486.5	1449.3	1451.2
30°	1560.6	1482.1	1392.4	1317.3	1249.9	1231.0	1190.9
32.5°	1390.2	1272.4	1167.3	1097.3	1039.4	1023.8	988.8
35°	1101.3	986.8	878.9	814.0	788.4	752.5	752.1
37.5°	856.0	755.3	698.1	649.5	623.9	602.3	600.1
40°	720.1	641.6	598.4	563.5	538.3	522.0	518.2
42.5°	625.2	561.7	521.3	499.6	480.2	471.8	465.6
45°	510.5	467.8	439.7	420.0	411.1	404.6	401.2
47.5°	427.1	398.4	379.2	366.2	358.9	352.1	353.9
50°	381.6	358.2	344.1	331.7	326.1	321.4	321.9
52.5°	345.0	324.0	312.6	303.7	296.8	293.4	291.8
55°	292.9	279.6	268.1	261.6	257.8	253.2	251.8
57.5°	249.8	239.5	230.2	222.9	221.9	217.4	218.0
60°	221.1	212.5	204.9	201.1	198.0	194.2	195.5
62.5°	197.5	190.4	183.4	180.2	177.2	174.4	175.0
65°	161.8	154.9	150.7	149.0	147.7	146.4	145.1
67.5°	128.9	124.7	122.1	118.4	115.8	115.4	114.1
70°	108.4	102.9	98.2	93.5	92.2	91.8	92.2
72.5°	86.9	83.4	82.1	79.8	79.6	78.4	79.2
75°	65.3	64.0	63.2	61.5	61.5	61.5	61.5
77.5°	48.2	47.4	46.9	46.6	46.1	45.5	45.4
80°	37.6	37.1	36.3	36.3	35.9	36.3	35.9
82.5°	28.4	28.3	27.4	27.4	27.0	26.7	27.0
85°	14.5	14.1	14.9	14.1	14.5	13.7	14.5
87.5°	9.7	9.9	9.7	9.8	9.5	10.4	9.8
90°	28.2	29.1	29.8	30.3	30.8	31.2	31.7
92.5°	42.9	43.6	43.9	43.5	43.3	43.0	42.7
95°	81.0	82.0	82.5	82.5	82.5	82.5	82.5
97.5°	125.7	126.8	127.3	127.2	127.1	127.0	126.9
100°	157.5	158.2	158.8	159.3	159.8	160.3	160.7
102.5°	194.8	195.5	195.8	195.7	195.6	195.5	195.4
105°	249.6	249.6	249.8	250.3	250.7	251.2	251.7
107.5°	310.4	311.1	311.4	311.1	310.8	310.5	310.2
110°	350.7	351.6	351.9	351.4	351.0	350.5	350.0



TEST NUMBER: P332443-930

CATALOG NUMBER: S123RDIW-S775D1320U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	391.0	392.2	392.6	392.6	392.5	392.4	392.3
115°	451.2	451.4	451.4	451.2	450.9	450.7	450.5
117.5°	512.5	512.4	512.1	511.4	510.8	510.1	509.5
120°	553.4	553.2	552.8	552.4	551.9	551.4	550.9
122.5°	594.5	593.9	593.3	592.6	592.0	591.3	590.7
125°	656.0	655.0	654.1	653.1	652.2	651.3	650.3
127.5°	716.6	715.3	714.0	713.0	711.9	710.9	709.7
130°	757.5	756.5	755.2	753.6	752.0	750.3	748.7
132.5°	796.6	795.6	794.3	793.0	791.8	790.5	789.3
135°	855.8	854.8	854.2	853.7	853.2	852.7	852.3
137.5°	913.4	912.4	911.5	910.6	909.7	908.8	907.9
140°	952.0	951.8	950.9	949.3	947.5	945.9	944.3
142.5°	987.6	987.3	986.6	985.3	984.1	982.8	981.5
145°	1039.8	1039.6	1039.0	1038.0	1037.1	1036.2	1035.2
147.5°	1089.3	1089.3	1088.7	1087.3	1085.8	1084.4	1083.0
150°	1119.8	1119.8	1119.1	1117.7	1116.3	1114.8	1113.5
152.5°	1148.0	1148.3	1147.9	1146.7	1145.5	1144.3	1143.0
155°	1189.3	1190.2	1189.8	1188.2	1186.6	1184.9	1183.2
157.5°	1224.3	1225.3	1225.1	1223.8	1222.5	1221.2	1219.9
160°	1246.0	1247.2	1247.3	1246.3	1245.5	1244.5	1243.5
162.5°	1266.3	1267.5	1267.3	1265.8	1264.3	1262.8	1261.3
165°	1292.2	1293.6	1293.5	1291.8	1290.2	1288.5	1286.9
167.5°	1313.0	1314.5	1314.5	1313.0	1311.6	1310.1	1308.6
170°	1324.6	1326.2	1326.2	1324.6	1323.0	1321.3	1319.6
172.5°	1333.3	1334.8	1334.7	1333.1	1331.4	1329.8	1328.1
175°	1343.0	1344.3	1344.2	1342.6	1340.9	1339.3	1337.7
177.5°	1347.0	1348.1	1348.0	1346.6	1345.3	1344.0	1342.7
180°	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1	1346.1

(END OF REPORT)