

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: P332920

Luminaire Tested: **S124RDIP-S575D1205U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332920
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S575D1205U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6613.3 lumens
Efficiency: N/A
Efficacy: 133.9 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: Semi-Indirect

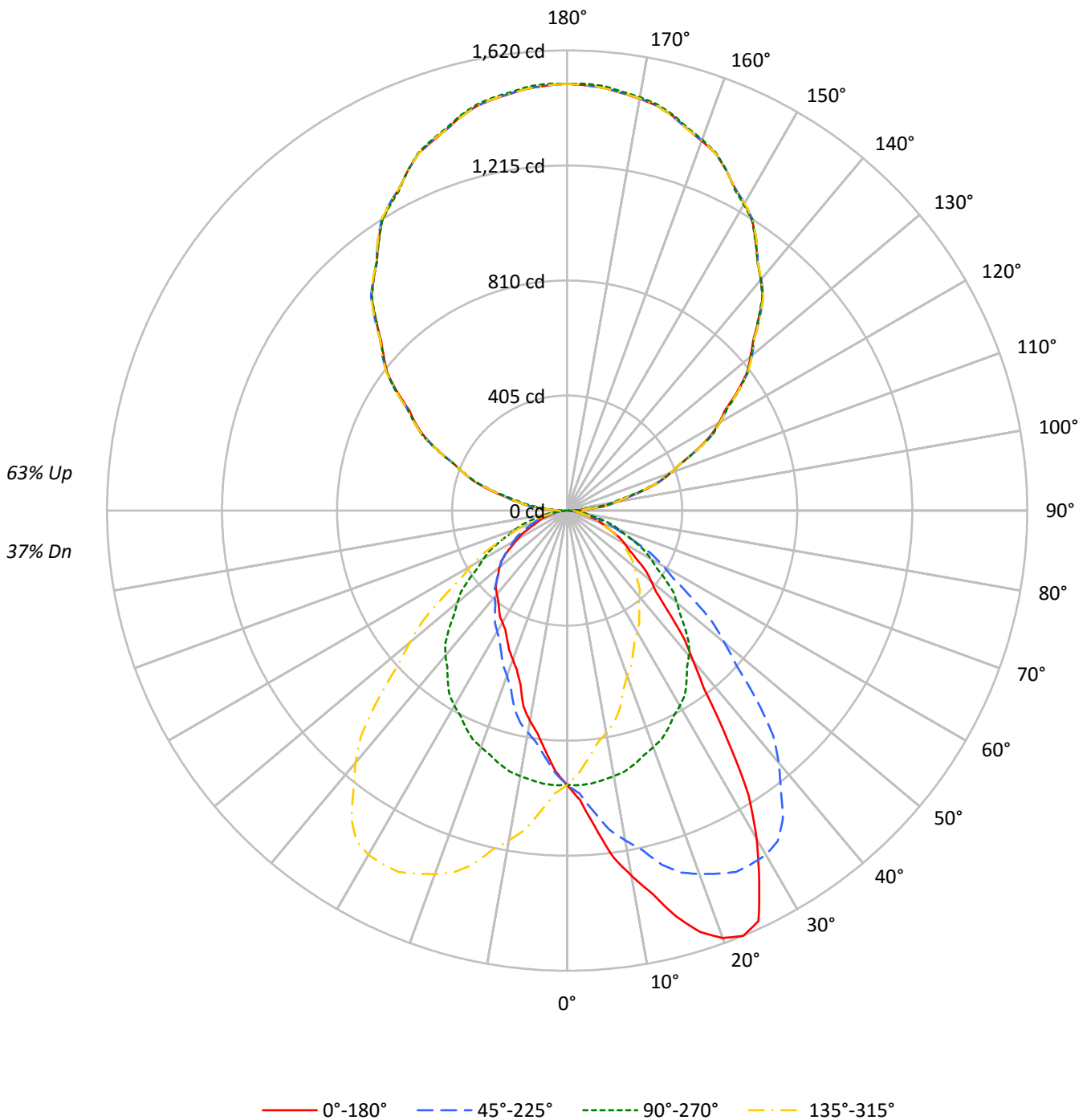
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37																												
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32																												
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27																												
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23																												
4	73	62	55	49	66	57	51	45	47	42	38	37	34	31	28	26	24	20																												
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18																												
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16																												
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14																												
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13																												
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11																												
10	46	34	27	23	42	31	25	21	26	21	18	21	18	15	17	14	12	10																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7796	7796	7796	7796
5°	9043	7819	6912	7819
10°	10698	7785	6169	7785
15°	12357	7713	5300	7713
20°	13759	7614	4793	7614
25°	14203	7517	4450	7517
30°	12433	7399	4243	7399
35°	9678	7224	4119	7224
40°	7258	7024	4051	7024
45°	5730	6703	4015	6703
50°	4838	6332	3900	6332
55°	4217	5925	3690	5925
60°	3794	5503	3266	5503
65°	3345	5047	2810	5047
70°	3012	4574	2535	4574
75°	2523	4055	2162	4055
80°	2134	3454	2027	3454
85°	1806	2705	1806	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.4
10°-20°	282.2	4.3
20°-30°	441.5	6.7
30°-40°	490.8	7.4
40°-50°	435.4	6.6
50°-60°	339.3	5.1
60°-70°	222.1	3.4
70°-80°	109.2	1.7
80°-90°	31.4	0.5
90°-100°	99.1	1.5
100°-110°	293.5	4.4
110°-120°	498.2	7.5
120°-130°	656.9	9.9
130°-140°	737.7	11.2
140°-150°	724.9	11.0
150°-160°	609.7	9.2
160°-170°	405.7	6.1
170°-180°	142.1	2.1
0°-30°	817.3	12.4
0°-40°	1308.0	19.8
0°-60°	2082.7	31.5
0°-90°	2445.6	37.0
90°-120°	890.8	13.5
90°-150°	3010.3	45.5
90°-180°	4168.0	63.0
0°-180°	6613.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	966	966	966	966	966	
5°	1116	965	853	965	1116	113
15°	1478	923	634	923	1478	420
25°	1594	844	500	844	1594	707
35°	982	733	418	733	982	616
45°	502	587	352	587	502	397
55°	300	421	262	421	300	273
65°	175	264	147	264	175	176
75°	81	130	69	130	81	89
85°	20	29	20	29	20	23
90°	35	4	35	4	35	19
95°	92	70	92	70	92	96
105°	284	271	284	271	284	299
115°	502	506	502	506	502	496
125°	732	738	732	738	732	653
135°	953	952	953	952	953	736
145°	1157	1156	1157	1156	1157	724
155°	1323	1324	1323	1324	1323	609
165°	1438	1442	1438	1442	1438	405
175°	1493	1500	1493	1500	1493	142
180°	1502	1502	1502	1502	1502	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	1018.6	1021.4	1018.6	1018.3	1015.2	1014.3	1013.0	1009.0	1001.5	997.1	998.1
5°	1115.9	1125.6	1120.2	1119.4	1110.8	1102.3	1096.8	1084.4	1071.1	1062.2	1054.8
7.5°	1228.4	1234.0	1230.6	1225.1	1211.3	1203.4	1190.8	1174.4	1150.7	1132.5	1116.0
10°	1305.0	1309.6	1308.1	1298.0	1287.9	1267.2	1255.6	1232.6	1202.6	1178.9	1156.7
12.5°	1380.3	1385.3	1371.6	1372.1	1352.9	1336.6	1318.1	1289.3	1254.6	1224.0	1196.3
15°	1478.5	1472.3	1472.3	1464.5	1443.1	1420.5	1401.5	1371.1	1327.5	1291.0	1252.5
17.5°	1555.4	1557.6	1554.4	1536.0	1519.2	1495.9	1460.9	1425.5	1385.0	1335.9	1296.6
20°	1601.5	1601.5	1598.0	1585.5	1563.7	1538.8	1501.1	1462.6	1411.2	1361.8	1317.4
22.5°	1620.1	1621.4	1617.3	1607.0	1587.4	1563.1	1531.0	1491.8	1438.9	1383.3	1328.3
25°	1594.5	1601.8	1602.6	1599.9	1594.1	1579.3	1551.7	1511.6	1464.1	1403.8	1344.7
27.5°	1463.9	1473.2	1481.4	1494.8	1512.7	1522.1	1523.3	1502.9	1461.5	1403.5	1344.0
30°	1333.8	1341.5	1366.8	1399.9	1425.6	1448.9	1469.2	1474.6	1451.3	1399.1	1336.5
32.5°	1189.3	1199.9	1225.2	1260.8	1303.6	1343.1	1388.6	1411.7	1411.1	1379.8	1321.9
35°	982.0	989.8	1013.2	1050.5	1101.9	1160.6	1232.6	1288.6	1326.8	1324.0	1288.6
37.5°	792.0	800.8	824.4	855.4	905.2	977.9	1047.6	1124.8	1195.3	1234.9	1223.0
40°	688.7	689.1	712.0	743.9	790.6	854.0	929.9	1015.5	1094.1	1158.3	1170.7
42.5°	607.1	607.2	622.4	656.8	690.4	750.1	822.5	907.5	999.5	1073.6	1106.6
45°	501.9	505.4	517.9	538.5	564.9	615.5	673.5	752.5	855.6	943.5	998.4
47.5°	425.0	430.2	438.1	454.9	476.0	509.7	557.6	628.6	712.5	809.2	887.3
50°	385.2	386.0	396.1	405.4	423.7	450.6	492.6	551.7	628.8	721.7	808.5
52.5°	351.0	350.8	356.9	368.7	383.6	404.5	438.4	492.3	560.6	643.9	733.5
55°	299.6	301.5	306.2	315.5	326.8	341.6	368.5	408.9	462.6	533.8	615.1
57.5°	260.5	261.5	265.2	269.2	279.5	290.3	310.4	338.5	383.8	442.1	517.9
60°	235.0	235.4	236.6	242.4	250.6	260.7	274.3	298.0	336.2	389.5	449.4
62.5°	210.1	210.8	212.6	216.9	223.2	230.2	244.4	263.5	295.1	340.6	394.6
65°	175.1	175.5	178.2	179.8	184.8	191.0	201.5	214.4	236.2	274.3	315.2
67.5°	146.3	146.3	146.4	148.6	152.1	156.2	162.5	172.8	189.2	212.6	248.6
70°	127.6	127.6	128.4	129.6	131.5	135.0	138.5	146.3	158.4	177.4	205.0
72.5°	110.2	110.5	111.3	111.5	112.5	115.4	118.0	122.9	131.9	146.3	168.6
75°	80.9	82.1	84.0	85.6	87.5	87.2	89.9	93.0	95.7	104.3	117.1
77.5°	60.2	59.6	59.8	61.2	61.4	61.8	63.7	66.1	68.2	72.2	76.8
80°	45.9	45.9	47.1	47.5	47.1	47.5	49.4	50.6	51.4	52.9	57.2
82.5°	34.7	35.3	34.9	35.3	35.6	36.0	37.6	37.8	38.6	39.2	41.0
85°	19.5	19.8	20.2	19.5	19.5	19.5	20.2	20.6	21.4	21.0	21.8
87.5°	13.8	13.4	13.6	13.5	13.7	13.2	13.2	13.5	12.6	12.6	12.2
90°	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7	27.1	25.6	23.5
92.5°	51.6	51.3	51.0	50.7	50.3	49.7	48.8	47.9	46.9	46.0	44.6
95°	91.8	91.8	91.8	91.8	91.8	91.4	90.6	89.8	89.1	88.3	86.5
97.5°	143.8	143.8	143.8	143.8	143.8	143.4	142.4	141.5	140.6	139.6	137.5
100°	180.1	180.1	180.1	180.1	180.1	179.8	179.3	178.8	178.3	177.8	175.4
102.5°	221.0	220.8	220.6	220.4	220.1	219.7	219.0	218.2	217.5	216.8	214.7
105°	283.5	282.7	281.9	281.2	280.4	279.6	278.8	278.1	277.3	276.5	275.5
107.5°	344.4	344.4	344.5	344.5	344.6	344.2	343.5	342.8	342.1	341.3	341.2
110°	388.0	387.3	386.5	385.7	384.9	384.8	385.3	385.8	386.4	386.9	387.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	432.7	432.5	432.3	432.2	432.0	432.0	432.1	432.2	432.3	432.4	432.9
115°	501.9	502.2	502.4	502.7	502.9	503.2	503.4	503.7	504.0	504.2	504.7
117.5°	567.9	568.4	568.9	569.4	570.0	570.6	571.5	572.4	573.3	574.2	574.5
120°	618.1	617.6	617.0	616.5	616.0	616.4	617.7	619.0	620.3	621.6	622.3
122.5°	659.9	660.8	661.8	662.7	663.6	664.5	665.4	666.3	667.2	668.0	668.4
125°	731.9	732.4	733.0	733.5	734.0	734.5	735.0	735.5	736.1	736.6	736.8
127.5°	798.6	799.0	799.4	799.9	800.3	800.7	801.3	801.8	802.3	802.8	803.2
130°	842.3	843.3	844.4	845.4	846.4	847.2	847.7	848.2	848.8	849.3	849.3
132.5°	888.8	889.2	889.6	890.0	890.4	890.9	891.4	891.9	892.4	893.0	893.2
135°	952.7	953.4	954.2	955.0	955.8	956.4	956.9	957.5	958.0	958.5	958.5
137.5°	1019.8	1019.7	1019.5	1019.4	1019.2	1019.5	1020.1	1020.8	1021.5	1022.1	1021.7
140°	1060.7	1061.0	1061.2	1061.5	1061.8	1062.0	1062.3	1062.5	1062.8	1063.0	1063.0
142.5°	1101.6	1101.7	1101.7	1101.8	1101.8	1101.9	1101.9	1102.0	1102.0	1102.1	1102.3
145°	1157.2	1157.9	1158.7	1159.5	1160.2	1160.8	1161.0	1161.3	1161.5	1161.8	1161.5
147.5°	1213.4	1213.6	1213.9	1214.2	1214.4	1214.6	1214.9	1215.1	1215.3	1215.5	1215.7
150°	1247.8	1248.0	1248.3	1248.5	1248.8	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9
152.5°	1279.4	1280.0	1280.7	1281.4	1282.1	1282.1	1281.5	1280.8	1280.2	1279.6	1279.4
155°	1323.3	1324.3	1325.4	1326.4	1327.4	1327.4	1326.4	1325.4	1324.3	1323.3	1323.5
157.5°	1362.6	1363.4	1364.3	1365.2	1366.1	1366.1	1365.3	1364.6	1363.8	1363.0	1363.1
160°	1384.9	1386.2	1387.4	1388.7	1390.0	1390.3	1389.5	1388.7	1388.0	1387.2	1387.4
162.5°	1408.1	1409.4	1410.7	1412.0	1413.3	1413.2	1411.8	1410.4	1409.0	1407.6	1407.9
165°	1438.3	1439.3	1440.4	1441.4	1442.4	1442.2	1440.6	1439.1	1437.5	1436.0	1436.5
167.5°	1459.9	1461.5	1463.1	1464.7	1466.3	1466.3	1464.8	1463.2	1461.7	1460.1	1460.1
170°	1472.0	1473.8	1475.6	1477.4	1479.2	1479.4	1477.8	1476.3	1474.7	1473.2	1472.9
172.5°	1482.2	1484.0	1485.8	1487.6	1489.5	1489.5	1487.7	1486.0	1484.2	1482.5	1482.4
175°	1492.9	1494.7	1496.5	1498.3	1500.1	1500.1	1498.3	1496.5	1494.7	1492.9	1493.2
177.5°	1498.5	1500.1	1501.8	1503.4	1505.1	1505.2	1503.8	1502.3	1500.9	1499.4	1499.4
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	995.0	990.6	988.4	983.4	977.5	974.4	971.6	967.6	962.3	956.7	952.6
5°	1045.5	1036.1	1024.4	1010.4	998.0	985.9	975.4	964.9	952.9	940.4	928.0
7.5°	1097.3	1078.9	1059.1	1036.1	1013.8	993.5	974.8	956.9	936.7	918.5	902.0
10°	1133.4	1108.5	1080.9	1051.7	1022.5	997.2	972.3	949.7	924.8	902.7	884.0
12.5°	1162.7	1133.4	1100.2	1063.8	1028.7	998.1	969.5	940.1	911.8	887.7	862.8
15°	1211.2	1171.1	1126.4	1082.8	1037.3	995.7	957.1	922.9	890.6	856.8	833.0
17.5°	1244.6	1197.0	1142.7	1090.3	1036.5	987.4	943.0	902.2	864.9	830.4	802.1
20°	1264.5	1212.0	1151.7	1092.1	1031.8	979.3	931.5	886.3	847.8	810.5	781.3
22.5°	1275.7	1217.6	1151.7	1089.3	1026.9	970.0	917.5	870.5	828.5	791.2	758.9
25°	1279.3	1217.0	1149.7	1078.1	1009.7	949.4	894.9	843.9	797.2	759.9	725.6
27.5°	1274.3	1201.0	1132.1	1058.6	988.0	924.4	867.2	813.6	766.9	726.8	691.7
30°	1266.8	1188.3	1114.3	1038.1	966.5	905.4	845.1	793.7	745.1	703.5	668.1
32.5°	1250.7	1172.7	1093.2	1015.0	942.5	879.6	822.4	770.7	723.0	680.4	642.8
35°	1218.6	1139.6	1053.2	973.1	901.9	836.5	782.8	733.0	687.5	642.0	602.3
37.5°	1176.3	1095.7	1009.7	922.0	850.7	789.0	739.7	693.0	648.5	607.0	563.0
40°	1136.5	1063.0	974.3	887.1	814.0	754.4	708.9	666.5	621.8	580.5	536.5
42.5°	1088.3	1025.6	936.0	848.5	776.3	718.9	676.5	635.1	594.4	554.4	508.5
45°	1007.7	960.3	876.2	792.2	719.4	662.6	623.7	587.1	551.3	513.2	470.0
47.5°	915.4	883.3	810.8	724.7	657.4	606.3	568.7	538.8	508.5	470.4	432.5
50°	851.3	830.7	760.7	682.1	617.9	570.8	532.3	504.2	479.0	442.4	408.5
52.5°	782.8	771.9	712.7	637.5	575.5	529.4	496.5	471.3	445.7	415.3	383.6
55°	678.6	684.4	634.2	569.2	510.9	472.0	442.0	421.0	399.2	373.5	349.0
57.5°	571.9	593.3	559.6	502.5	447.8	411.9	389.3	371.6	353.4	332.0	311.1
60°	508.1	526.0	507.0	456.8	408.9	375.5	354.5	340.8	322.5	303.1	287.1
62.5°	445.9	465.0	453.7	413.2	368.8	340.0	321.5	308.8	295.2	278.2	261.6
65°	367.7	380.1	374.7	346.7	315.2	290.6	273.5	264.2	251.7	239.3	224.5
67.5°	281.6	305.7	302.5	287.6	260.4	241.2	230.0	221.8	210.4	201.2	191.1
70°	231.5	253.7	253.3	241.2	226.4	208.5	200.8	193.8	183.6	174.7	166.5
72.5°	189.5	209.8	212.8	203.6	193.5	179.9	172.4	167.6	157.8	151.7	145.0
75°	132.7	147.5	151.4	151.4	146.7	139.7	133.1	130.0	122.9	117.5	113.6
77.5°	87.0	96.3	102.4	103.8	104.5	102.2	96.7	94.5	89.2	87.2	83.5
80°	61.5	67.7	74.7	77.0	79.0	78.2	75.9	74.3	69.3	67.3	65.8
82.5°	42.5	45.9	51.7	56.8	56.3	58.3	56.3	55.0	51.2	50.5	48.9
85°	22.2	22.6	23.3	26.8	28.8	29.6	30.0	29.2	28.0	28.0	25.3
87.5°	11.8	11.0	11.2	10.8	10.5	11.2	11.5	11.3	10.9	10.5	10.2
90°	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5	6.3	9.2	12.0
92.5°	43.1	41.7	40.2	37.9	34.6	31.4	28.1	24.9	28.1	31.4	34.6
95°	84.7	82.9	81.1	79.0	76.7	74.4	72.0	69.7	72.0	74.4	76.7
97.5°	135.4	133.3	131.2	129.2	127.3	125.5	123.6	121.8	123.6	125.5	127.3
100°	173.1	170.8	168.5	166.8	165.7	164.7	163.7	162.7	163.7	164.7	165.7
102.5°	212.6	210.4	208.3	207.1	206.6	206.2	205.8	205.4	205.8	206.2	206.6
105°	274.4	273.4	272.4	271.7	271.5	271.2	271.0	270.7	271.0	271.2	271.5
107.5°	341.0	340.9	340.7	340.5	340.2	339.9	339.6	339.2	339.6	339.9	340.2
110°	387.4	387.7	387.9	387.8	387.3	386.7	386.2	385.7	386.2	386.7	387.3



TEST NUMBER: P332920

CATALOG NUMBER: S124RDIP-S575D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	433.4	433.8	434.3	434.5	434.4	434.3	434.2	434.0	434.2	434.3	434.4
115°	505.3	505.8	506.3	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5
117.5°	574.9	575.2	575.6	575.7	575.5	575.3	575.1	574.9	575.1	575.3	575.5
120°	623.1	623.9	624.7	624.5	623.5	622.5	621.4	620.4	621.4	622.5	623.5
122.5°	668.8	669.1	669.5	669.5	669.0	668.6	668.2	667.8	668.2	668.6	669.0
125°	737.1	737.4	737.6	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7
127.5°	803.6	804.0	804.5	804.3	803.5	802.7	802.0	801.2	802.0	802.7	803.5
130°	849.3	849.3	849.3	848.9	848.1	847.3	846.6	845.8	846.6	847.3	848.1
132.5°	893.4	893.6	893.8	893.6	893.0	892.5	891.9	891.3	891.9	892.5	893.0
135°	958.5	958.5	958.5	957.7	956.2	954.6	953.1	951.5	953.1	954.6	956.2
137.5°	1021.3	1020.9	1020.5	1019.9	1019.2	1018.5	1017.8	1017.0	1017.8	1018.5	1019.2
140°	1063.0	1063.0	1063.0	1062.8	1062.3	1061.8	1061.2	1060.7	1061.2	1061.8	1062.3
142.5°	1102.5	1102.7	1102.9	1102.8	1102.2	1101.7	1101.2	1100.7	1101.2	1101.7	1102.2
145°	1161.3	1161.0	1160.8	1160.1	1159.1	1158.1	1157.0	1156.0	1157.0	1158.1	1159.1
147.5°	1215.9	1216.1	1216.3	1215.8	1214.5	1213.3	1212.1	1210.8	1212.1	1213.3	1214.5
150°	1248.9	1248.9	1248.9	1248.4	1247.4	1246.4	1245.3	1244.3	1245.3	1246.4	1247.4
152.5°	1279.2	1279.0	1278.8	1278.4	1277.7	1277.1	1276.5	1275.9	1276.5	1277.1	1277.7
155°	1323.8	1324.1	1324.3	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4
157.5°	1363.1	1363.2	1363.2	1363.5	1364.0	1364.4	1364.9	1365.3	1364.9	1364.4	1364.0
160°	1387.7	1388.0	1388.2	1388.5	1388.7	1389.0	1389.3	1389.5	1389.3	1389.0	1388.7
162.5°	1408.2	1408.4	1408.7	1409.1	1409.8	1410.5	1411.1	1411.8	1411.1	1410.5	1409.8
165°	1437.0	1437.5	1438.0	1438.7	1439.5	1440.2	1441.0	1441.8	1441.0	1440.2	1439.5
167.5°	1460.0	1460.0	1459.9	1460.5	1461.5	1462.6	1463.7	1464.8	1463.7	1462.6	1461.5
170°	1472.6	1472.4	1472.1	1472.6	1473.9	1475.2	1476.5	1477.8	1476.5	1475.2	1473.9
172.5°	1482.4	1482.3	1482.2	1482.8	1483.8	1484.9	1486.0	1487.1	1486.0	1484.9	1483.8
175°	1493.4	1493.7	1493.9	1494.7	1496.0	1497.3	1498.6	1499.9	1498.6	1497.3	1496.0
177.5°	1499.4	1499.4	1499.4	1499.9	1501.0	1502.0	1503.0	1504.1	1503.0	1502.0	1501.0
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332920

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	948.3	945.2	941.1	936.4	930.8	925.9	923.7	925.5	926.5	924.0	923.7
5°	919.4	909.7	901.9	890.2	880.9	873.1	867.6	865.3	866.1	859.9	858.3
7.5°	886.9	875.4	862.7	848.8	835.9	824.5	818.5	815.2	808.6	805.8	801.0
10°	866.1	850.5	838.1	821.7	807.0	793.3	786.7	781.3	774.7	771.5	764.9
12.5°	844.6	826.6	812.9	795.9	780.8	764.4	758.1	748.0	737.6	731.1	722.6
15°	814.3	792.6	775.8	755.6	737.7	719.0	702.3	683.6	676.6	661.8	653.3
17.5°	778.9	756.8	736.1	709.0	681.4	658.2	640.3	622.5	611.7	602.3	597.9
20°	755.6	735.4	706.6	675.1	644.3	618.6	604.2	592.6	580.9	574.3	569.6
22.5°	733.5	707.7	674.2	640.2	609.5	589.4	577.2	565.2	555.7	549.4	543.2
25°	696.5	662.6	627.2	588.3	567.3	549.8	536.5	526.8	521.0	512.8	509.7
27.5°	658.4	617.4	578.3	552.2	530.3	514.3	502.8	495.5	488.1	482.8	478.8
30°	629.1	587.5	552.5	527.6	505.4	492.2	482.8	474.3	468.5	464.2	461.1
32.5°	600.2	558.6	529.1	502.4	484.9	472.0	462.0	455.6	451.0	445.5	443.6
35°	558.3	521.4	495.7	471.6	453.7	442.0	434.2	427.6	423.7	422.2	421.0
37.5°	518.1	487.8	460.2	440.4	424.5	415.3	406.1	402.9	400.2	397.4	398.7
40°	492.6	464.2	439.7	418.7	405.8	395.7	390.2	386.4	384.0	384.0	384.0
42.5°	470.5	442.7	418.8	400.0	387.1	378.6	372.5	369.2	368.5	368.1	370.0
45°	436.2	410.5	386.4	370.8	359.9	351.3	347.8	345.1	345.1	346.7	347.1
47.5°	402.2	378.1	358.7	341.3	331.3	326.0	322.9	321.5	321.7	323.2	325.0
50°	381.3	357.6	338.5	322.9	313.6	308.5	305.8	305.0	305.8	305.8	308.5
52.5°	358.6	337.3	318.6	305.5	294.9	290.2	288.7	287.6	288.1	289.3	290.5
55°	325.3	306.2	288.3	275.9	268.1	265.0	261.5	261.9	261.1	261.9	261.9
57.5°	291.9	274.8	258.1	248.2	241.4	236.9	233.1	234.1	233.0	232.8	232.2
60°	270.4	251.7	238.5	229.6	221.8	217.9	214.4	215.2	214.0	213.2	211.7
62.5°	247.1	231.5	218.9	210.3	204.0	199.5	196.0	195.2	192.5	189.9	186.4
65°	213.2	200.4	189.1	180.9	175.1	171.6	168.9	166.5	160.7	154.5	151.4
67.5°	180.3	171.0	160.5	153.6	148.9	144.3	139.1	135.1	129.6	126.2	124.3
70°	159.1	150.2	141.2	134.6	129.6	125.3	119.4	116.7	112.8	111.3	109.3
72.5°	138.9	130.6	122.2	116.3	110.9	107.5	103.0	100.2	98.5	97.9	95.9
75°	108.2	101.6	95.3	89.9	85.6	83.3	81.3	79.4	78.6	75.1	73.1
77.5°	78.9	74.5	70.7	66.8	63.7	62.2	58.4	56.2	54.9	53.2	52.8
80°	61.5	58.4	54.5	52.1	47.9	46.3	44.7	44.4	44.0	43.6	43.2
82.5°	46.2	43.1	39.2	37.8	36.7	35.7	34.8	34.4	34.0	34.2	34.2
85°	23.3	21.8	21.8	21.4	21.0	20.6	20.2	20.2	19.8	20.2	19.8
87.5°	10.8	10.9	11.3	11.1	11.9	12.3	12.3	12.6	13.2	12.9	13.1
90°	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7	30.2	31.8	32.8
92.5°	37.9	40.2	41.7	43.1	44.6	46.0	46.9	47.9	48.8	49.7	50.3
95°	79.0	81.1	82.9	84.7	86.5	88.3	89.1	89.8	90.6	91.4	91.8
97.5°	129.2	131.2	133.3	135.4	137.5	139.6	140.6	141.5	142.4	143.4	143.8
100°	166.8	168.5	170.8	173.1	175.4	177.8	178.3	178.8	179.3	179.8	180.1
102.5°	207.1	208.3	210.4	212.6	214.7	216.8	217.5	218.2	219.0	219.7	220.1
105°	271.7	272.4	273.4	274.4	275.5	276.5	277.3	278.1	278.8	279.6	280.4
107.5°	340.5	340.7	340.9	341.0	341.2	341.3	342.1	342.8	343.5	344.2	344.6
110°	387.8	387.9	387.7	387.4	387.1	386.9	386.4	385.8	385.3	384.8	384.9



TEST NUMBER: P332920

CATALOG NUMBER: S124RDIP-S575D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	434.5	434.3	433.8	433.4	432.9	432.4	432.3	432.2	432.1	432.0	432.0
115°	506.5	506.3	505.8	505.3	504.7	504.2	504.0	503.7	503.4	503.2	502.9
117.5°	575.7	575.6	575.2	574.9	574.5	574.2	573.3	572.4	571.5	570.6	570.0
120°	624.5	624.7	623.9	623.1	622.3	621.6	620.3	619.0	617.7	616.4	616.0
122.5°	669.5	669.5	669.1	668.8	668.4	668.0	667.2	666.3	665.4	664.5	663.6
125°	737.7	737.6	737.4	737.1	736.8	736.6	736.1	735.5	735.0	734.5	734.0
127.5°	804.3	804.5	804.0	803.6	803.2	802.8	802.3	801.8	801.3	800.7	800.3
130°	848.9	849.3	849.3	849.3	849.3	849.3	848.8	848.2	847.7	847.2	846.4
132.5°	893.6	893.8	893.6	893.4	893.2	893.0	892.4	891.9	891.4	890.9	890.4
135°	957.7	958.5	958.5	958.5	958.5	958.5	958.0	957.5	956.9	956.4	955.8
137.5°	1019.9	1020.5	1020.9	1021.3	1021.7	1022.1	1021.5	1020.8	1020.1	1019.5	1019.2
140°	1062.8	1063.0	1063.0	1063.0	1063.0	1063.0	1062.8	1062.5	1062.3	1062.0	1061.8
142.5°	1102.8	1102.9	1102.7	1102.5	1102.3	1102.1	1102.0	1102.0	1101.9	1101.9	1101.8
145°	1160.1	1160.8	1161.0	1161.3	1161.5	1161.8	1161.5	1161.3	1161.0	1160.8	1160.2
147.5°	1215.8	1216.3	1216.1	1215.9	1215.7	1215.5	1215.3	1215.1	1214.9	1214.6	1214.4
150°	1248.4	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.8
152.5°	1278.4	1278.8	1279.0	1279.2	1279.4	1279.6	1280.2	1280.8	1281.5	1282.1	1282.1
155°	1324.4	1324.3	1324.1	1323.8	1323.5	1323.3	1324.3	1325.4	1326.4	1327.4	1327.4
157.5°	1363.5	1363.2	1363.2	1363.1	1363.1	1363.0	1363.8	1364.6	1365.3	1366.1	1366.1
160°	1388.5	1388.2	1388.0	1387.7	1387.4	1387.2	1388.0	1388.7	1389.5	1390.3	1390.0
162.5°	1409.1	1408.7	1408.4	1408.2	1407.9	1407.6	1409.0	1410.4	1411.8	1413.2	1413.3
165°	1438.7	1438.0	1437.5	1437.0	1436.5	1436.0	1437.5	1439.1	1440.6	1442.2	1442.4
167.5°	1460.5	1459.9	1460.0	1460.0	1460.1	1460.1	1461.7	1463.2	1464.8	1466.3	1466.3
170°	1472.6	1472.1	1472.4	1472.6	1472.9	1473.2	1474.7	1476.3	1477.8	1479.4	1479.2
172.5°	1482.8	1482.2	1482.3	1482.4	1482.4	1482.5	1484.2	1486.0	1487.7	1489.5	1489.5
175°	1494.7	1493.9	1493.7	1493.4	1493.2	1492.9	1494.7	1496.5	1498.3	1500.1	1500.1
177.5°	1499.9	1499.4	1499.4	1499.4	1499.4	1499.4	1500.9	1502.3	1503.8	1505.2	1505.1
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332920

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	921.8	922.4	920.3	919.6	920.3	922.4	921.8	923.7	924.0	926.5	925.5
5°	855.2	854.4	852.5	852.9	852.5	854.4	855.2	858.3	859.9	866.1	865.3
7.5°	798.2	795.2	796.1	792.9	796.1	795.2	798.2	801.0	805.8	808.6	815.2
10°	763.4	759.1	755.6	752.5	755.6	759.1	763.4	764.9	771.5	774.7	781.3
12.5°	715.8	712.1	707.3	708.3	707.3	712.1	715.8	722.6	731.1	737.6	748.0
15°	648.2	642.4	633.0	634.2	633.0	642.4	648.2	653.3	661.8	676.6	683.6
17.5°	591.0	591.1	586.8	587.8	586.8	591.1	591.0	597.9	602.3	611.7	622.5
20°	561.4	558.7	559.1	557.9	559.1	558.7	561.4	569.6	574.3	580.9	592.6
22.5°	540.9	537.6	534.8	532.4	534.8	537.6	540.9	543.2	549.4	555.7	565.2
25°	506.2	503.9	500.4	499.6	500.4	503.9	506.2	509.7	512.8	521.0	526.8
27.5°	475.7	475.2	473.8	472.0	473.8	475.2	475.7	478.8	482.8	488.1	495.5
30°	457.9	457.2	456.4	455.2	456.4	457.2	457.9	461.1	464.2	468.5	474.3
32.5°	442.1	441.6	440.8	440.9	440.8	441.6	442.1	443.6	445.5	451.0	455.6
35°	419.4	419.0	418.3	417.9	418.3	419.0	419.4	421.0	422.2	423.7	427.6
37.5°	398.3	399.3	398.8	398.7	398.8	399.3	398.3	398.7	397.4	400.2	402.9
40°	383.6	384.0	384.8	384.4	384.8	384.0	383.6	384.0	384.0	384.0	386.4
42.5°	371.5	371.6	372.7	371.3	372.7	371.6	371.5	370.0	368.1	368.5	369.2
45°	349.8	352.1	351.7	351.7	351.7	352.1	349.8	347.1	346.7	345.1	345.1
47.5°	326.0	328.1	328.6	328.5	328.6	328.1	326.0	325.0	323.2	321.7	321.5
50°	310.5	309.7	310.9	310.5	310.9	309.7	310.5	308.5	305.8	305.8	305.0
52.5°	291.5	291.7	291.6	291.2	291.6	291.7	291.5	290.5	289.3	288.1	287.6
55°	262.2	262.6	261.9	262.2	261.9	262.6	262.2	261.9	261.9	261.1	261.9
57.5°	230.5	228.6	229.4	228.5	229.4	228.6	230.5	232.2	232.8	233.0	234.1
60°	207.8	204.7	203.9	202.3	203.9	204.7	207.8	211.7	213.2	214.0	215.2
62.5°	182.2	180.1	177.4	178.7	177.4	180.1	182.2	186.4	189.9	192.5	195.2
65°	148.2	146.7	145.5	147.1	145.5	146.7	148.2	151.4	154.5	160.7	166.5
67.5°	122.7	121.9	121.9	121.1	121.9	121.9	122.7	124.3	126.2	129.6	135.1
70°	109.3	108.2	108.2	107.4	108.2	108.2	109.3	109.3	111.3	112.8	116.7
72.5°	95.6	94.5	94.8	94.3	94.8	94.5	95.6	95.9	97.9	98.5	100.2
75°	70.8	68.9	68.9	69.3	68.9	68.9	70.8	73.1	75.1	78.6	79.4
77.5°	52.8	52.4	53.0	52.3	53.0	52.4	52.8	52.8	53.2	54.9	56.2
80°	43.2	42.8	42.4	43.6	42.4	42.8	43.2	43.2	43.6	44.0	44.4
82.5°	33.5	33.5	33.4	34.9	33.4	33.5	33.5	34.2	34.2	34.0	34.4
85°	20.2	19.5	20.2	19.5	20.2	19.5	20.2	19.8	20.2	19.8	20.2
87.5°	13.8	13.6	13.4	13.8	13.4	13.6	13.8	13.1	12.9	13.2	12.6
90°	33.3	33.8	34.3	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7
92.5°	50.7	51.0	51.3	51.6	51.3	51.0	50.7	50.3	49.7	48.8	47.9
95°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.4	90.6	89.8
97.5°	143.8	143.8	143.8	143.8	143.8	143.8	143.8	143.8	143.4	142.4	141.5
100°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	179.8	179.3	178.8
102.5°	220.4	220.6	220.8	221.0	220.8	220.6	220.4	220.1	219.7	219.0	218.2
105°	281.2	281.9	282.7	283.5	282.7	281.9	281.2	280.4	279.6	278.8	278.1
107.5°	344.5	344.5	344.4	344.4	344.4	344.5	344.5	344.6	344.2	343.5	342.8
110°	385.7	386.5	387.3	388.0	387.3	386.5	385.7	384.9	384.8	385.3	385.8



TEST NUMBER: P332920

CATALOG NUMBER: S124RDIP-S575D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	432.2	432.3	432.5	432.7	432.5	432.3	432.2	432.0	432.0	432.1	432.2
115°	502.7	502.4	502.2	501.9	502.2	502.4	502.7	502.9	503.2	503.4	503.7
117.5°	569.4	568.9	568.4	567.9	568.4	568.9	569.4	570.0	570.6	571.5	572.4
120°	616.5	617.0	617.6	618.1	617.6	617.0	616.5	616.0	616.4	617.7	619.0
122.5°	662.7	661.8	660.8	659.9	660.8	661.8	662.7	663.6	664.5	665.4	666.3
125°	733.5	733.0	732.4	731.9	732.4	733.0	733.5	734.0	734.5	735.0	735.5
127.5°	799.9	799.4	799.0	798.6	799.0	799.4	799.9	800.3	800.7	801.3	801.8
130°	845.4	844.4	843.3	842.3	843.3	844.4	845.4	846.4	847.2	847.7	848.2
132.5°	890.0	889.6	889.2	888.8	889.2	889.6	890.0	890.4	890.9	891.4	891.9
135°	955.0	954.2	953.4	952.7	953.4	954.2	955.0	955.8	956.4	956.9	957.5
137.5°	1019.4	1019.5	1019.7	1019.8	1019.7	1019.5	1019.4	1019.2	1019.5	1020.1	1020.8
140°	1061.5	1061.2	1061.0	1060.7	1061.0	1061.2	1061.5	1061.8	1062.0	1062.3	1062.5
142.5°	1101.8	1101.7	1101.7	1101.6	1101.7	1101.7	1101.8	1101.8	1101.9	1101.9	1102.0
145°	1159.5	1158.7	1157.9	1157.2	1157.9	1158.7	1159.5	1160.2	1160.8	1161.0	1161.3
147.5°	1214.2	1213.9	1213.6	1213.4	1213.6	1213.9	1214.2	1214.4	1214.6	1214.9	1215.1
150°	1248.5	1248.3	1248.0	1247.8	1248.0	1248.3	1248.5	1248.8	1248.9	1248.9	1248.9
152.5°	1281.4	1280.7	1280.0	1279.4	1280.0	1280.7	1281.4	1282.1	1282.1	1281.5	1280.8
155°	1326.4	1325.4	1324.3	1323.3	1324.3	1325.4	1326.4	1327.4	1327.4	1326.4	1325.4
157.5°	1365.2	1364.3	1363.4	1362.6	1363.4	1364.3	1365.2	1366.1	1366.1	1365.3	1364.6
160°	1388.7	1387.4	1386.2	1384.9	1386.2	1387.4	1388.7	1390.0	1390.3	1389.5	1388.7
162.5°	1412.0	1410.7	1409.4	1408.1	1409.4	1410.7	1412.0	1413.3	1413.2	1411.8	1410.4
165°	1441.4	1440.4	1439.3	1438.3	1439.3	1440.4	1441.4	1442.4	1442.2	1440.6	1439.1
167.5°	1464.7	1463.1	1461.5	1459.9	1461.5	1463.1	1464.7	1466.3	1466.3	1464.8	1463.2
170°	1477.4	1475.6	1473.8	1472.0	1473.8	1475.6	1477.4	1479.2	1479.4	1477.8	1476.3
172.5°	1487.6	1485.8	1484.0	1482.2	1484.0	1485.8	1487.6	1489.5	1489.5	1487.7	1486.0
175°	1498.3	1496.5	1494.7	1492.9	1494.7	1496.5	1498.3	1500.1	1500.1	1498.3	1496.5
177.5°	1503.4	1501.8	1500.1	1498.5	1500.1	1501.8	1503.4	1505.1	1505.2	1503.8	1502.3
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332920

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	923.7	925.9	930.8	936.4	941.1	945.2	948.3	952.6	956.7	962.3	967.6
5°	867.6	873.1	880.9	890.2	901.9	909.7	919.4	928.0	940.4	952.9	964.9
7.5°	818.5	824.5	835.9	848.8	862.7	875.4	886.9	902.0	918.5	936.7	956.9
10°	786.7	793.3	807.0	821.7	838.1	850.5	866.1	884.0	902.7	924.8	949.7
12.5°	758.1	764.4	780.8	795.9	812.9	826.6	844.6	862.8	887.7	911.8	940.1
15°	702.3	719.0	737.7	755.6	775.8	792.6	814.3	833.0	856.8	890.6	922.9
17.5°	640.3	658.2	681.4	709.0	736.1	756.8	778.9	802.1	830.4	864.9	902.2
20°	604.2	618.6	644.3	675.1	706.6	735.4	755.6	781.3	810.5	847.8	886.3
22.5°	577.2	589.4	609.5	640.2	674.2	707.7	733.5	758.9	791.2	828.5	870.5
25°	536.5	549.8	567.3	588.3	627.2	662.6	696.5	725.6	759.9	797.2	843.9
27.5°	502.8	514.3	530.3	552.2	578.3	617.4	658.4	691.7	726.8	766.9	813.6
30°	482.8	492.2	505.4	527.6	552.5	587.5	629.1	668.1	703.5	745.1	793.7
32.5°	462.0	472.0	484.9	502.4	529.1	558.6	600.2	642.8	680.4	723.0	770.7
35°	434.2	442.0	453.7	471.6	495.7	521.4	558.3	602.3	642.0	687.5	733.0
37.5°	406.1	415.3	424.5	440.4	460.2	487.8	518.1	563.0	607.0	648.5	693.0
40°	390.2	395.7	405.8	418.7	439.7	464.2	492.6	536.5	580.5	621.8	666.5
42.5°	372.5	378.6	387.1	400.0	418.8	442.7	470.5	508.5	554.4	594.4	635.1
45°	347.8	351.3	359.9	370.8	386.4	410.5	436.2	470.0	513.2	551.3	587.1
47.5°	322.9	326.0	331.3	341.3	358.7	378.1	402.2	432.5	470.4	508.5	538.8
50°	305.8	308.5	313.6	322.9	338.5	357.6	381.3	408.5	442.4	479.0	504.2
52.5°	288.7	290.2	294.9	305.5	318.6	337.3	358.6	383.6	415.3	445.7	471.3
55°	261.5	265.0	268.1	275.9	288.3	306.2	325.3	349.0	373.5	399.2	421.0
57.5°	233.1	236.9	241.4	248.2	258.1	274.8	291.9	311.1	332.0	353.4	371.6
60°	214.4	217.9	221.8	229.6	238.5	251.7	270.4	287.1	303.1	322.5	340.8
62.5°	196.0	199.5	204.0	210.3	218.9	231.5	247.1	261.6	278.2	295.2	308.8
65°	168.9	171.6	175.1	180.9	189.1	200.4	213.2	224.5	239.3	251.7	264.2
67.5°	139.1	144.3	148.9	153.6	160.5	171.0	180.3	191.1	201.2	210.4	221.8
70°	119.4	125.3	129.6	134.6	141.2	150.2	159.1	166.5	174.7	183.6	193.8
72.5°	103.0	107.5	110.9	116.3	122.2	130.6	138.9	145.0	151.7	157.8	167.6
75°	81.3	83.3	85.6	89.9	95.3	101.6	108.2	113.6	117.5	122.9	130.0
77.5°	58.4	62.2	63.7	66.8	70.7	74.5	78.9	83.5	87.2	89.2	94.5
80°	44.7	46.3	47.9	52.1	54.5	58.4	61.5	65.8	67.3	69.3	74.3
82.5°	34.8	35.7	36.7	37.8	39.2	43.1	46.2	48.9	50.5	51.2	55.0
85°	20.2	20.6	21.0	21.4	21.8	21.8	23.3	25.3	28.0	28.0	29.2
87.5°	12.3	12.3	11.9	11.1	11.3	10.9	10.8	10.2	10.5	10.9	11.3
90°	27.1	25.6	23.5	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5
92.5°	46.9	46.0	44.6	43.1	41.7	40.2	37.9	34.6	31.4	28.1	24.9
95°	89.1	88.3	86.5	84.7	82.9	81.1	79.0	76.7	74.4	72.0	69.7
97.5°	140.6	139.6	137.5	135.4	133.3	131.2	129.2	127.3	125.5	123.6	121.8
100°	178.3	177.8	175.4	173.1	170.8	168.5	166.8	165.7	164.7	163.7	162.7
102.5°	217.5	216.8	214.7	212.6	210.4	208.3	207.1	206.6	206.2	205.8	205.4
105°	277.3	276.5	275.5	274.4	273.4	272.4	271.7	271.5	271.2	271.0	270.7
107.5°	342.1	341.3	341.2	341.0	340.9	340.7	340.5	340.2	339.9	339.6	339.2
110°	386.4	386.9	387.1	387.4	387.7	387.9	387.8	387.3	386.7	386.2	385.7



TEST NUMBER: P332920

CATALOG NUMBER: S124RDIP-S575D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	432.3	432.4	432.9	433.4	433.8	434.3	434.5	434.4	434.3	434.2	434.0
115°	504.0	504.2	504.7	505.3	505.8	506.3	506.5	506.5	506.5	506.5	506.5
117.5°	573.3	574.2	574.5	574.9	575.2	575.6	575.7	575.5	575.3	575.1	574.9
120°	620.3	621.6	622.3	623.1	623.9	624.7	624.5	623.5	622.5	621.4	620.4
122.5°	667.2	668.0	668.4	668.8	669.1	669.5	669.5	669.0	668.6	668.2	667.8
125°	736.1	736.6	736.8	737.1	737.4	737.6	737.7	737.7	737.7	737.7	737.7
127.5°	802.3	802.8	803.2	803.6	804.0	804.5	804.3	803.5	802.7	802.0	801.2
130°	848.8	849.3	849.3	849.3	849.3	849.3	848.9	848.1	847.3	846.6	845.8
132.5°	892.4	893.0	893.2	893.4	893.6	893.8	893.6	893.0	892.5	891.9	891.3
135°	958.0	958.5	958.5	958.5	958.5	958.5	957.7	956.2	954.6	953.1	951.5
137.5°	1021.5	1022.1	1021.7	1021.3	1020.9	1020.5	1019.9	1019.2	1018.5	1017.8	1017.0
140°	1062.8	1063.0	1063.0	1063.0	1063.0	1063.0	1062.8	1062.3	1061.8	1061.2	1060.7
142.5°	1102.0	1102.1	1102.3	1102.5	1102.7	1102.9	1102.8	1102.2	1101.7	1101.2	1100.7
145°	1161.5	1161.8	1161.5	1161.3	1161.0	1160.8	1160.1	1159.1	1158.1	1157.0	1156.0
147.5°	1215.3	1215.5	1215.7	1215.9	1216.1	1216.3	1215.8	1214.5	1213.3	1212.1	1210.8
150°	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.4	1247.4	1246.4	1245.3	1244.3
152.5°	1280.2	1279.6	1279.4	1279.2	1279.0	1278.8	1278.4	1277.7	1277.1	1276.5	1275.9
155°	1324.3	1323.3	1323.5	1323.8	1324.1	1324.3	1324.4	1324.4	1324.4	1324.4	1324.4
157.5°	1363.8	1363.0	1363.1	1363.1	1363.2	1363.2	1363.5	1364.0	1364.4	1364.9	1365.3
160°	1388.0	1387.2	1387.4	1387.7	1388.0	1388.2	1388.5	1388.7	1389.0	1389.3	1389.5
162.5°	1409.0	1407.6	1407.9	1408.2	1408.4	1408.7	1409.1	1409.8	1410.5	1411.1	1411.8
165°	1437.5	1436.0	1436.5	1437.0	1437.5	1438.0	1438.7	1439.5	1440.2	1441.0	1441.8
167.5°	1461.7	1460.1	1460.1	1460.0	1460.0	1459.9	1460.5	1461.5	1462.6	1463.7	1464.8
170°	1474.7	1473.2	1472.9	1472.6	1472.4	1472.1	1472.6	1473.9	1475.2	1476.5	1477.8
172.5°	1484.2	1482.5	1482.4	1482.4	1482.3	1482.2	1482.8	1483.8	1484.9	1486.0	1487.1
175°	1494.7	1492.9	1493.2	1493.4	1493.7	1493.9	1494.7	1496.0	1497.3	1498.6	1499.9
177.5°	1500.9	1499.4	1499.4	1499.4	1499.4	1499.4	1499.9	1501.0	1502.0	1503.0	1504.1
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	971.6	974.4	977.5	983.4	988.4	990.6	995.0	998.1	997.1	1001.5	1009.0
5°	975.4	985.9	998.0	1010.4	1024.4	1036.1	1045.5	1054.8	1062.2	1071.1	1084.4
7.5°	974.8	993.5	1013.8	1036.1	1059.1	1078.9	1097.3	1116.0	1132.5	1150.7	1174.4
10°	972.3	997.2	1022.5	1051.7	1080.9	1108.5	1133.4	1156.7	1178.9	1202.6	1232.6
12.5°	969.5	998.1	1028.7	1063.8	1100.2	1133.4	1162.7	1196.3	1224.0	1254.6	1289.3
15°	957.1	995.7	1037.3	1082.8	1126.4	1171.1	1211.2	1252.5	1291.0	1327.5	1371.1
17.5°	943.0	987.4	1036.5	1090.3	1142.7	1197.0	1244.6	1296.6	1335.9	1385.0	1425.5
20°	931.5	979.3	1031.8	1092.1	1151.7	1212.0	1264.5	1317.4	1361.8	1411.2	1462.6
22.5°	917.5	970.0	1026.9	1089.3	1151.7	1217.6	1275.7	1328.3	1383.3	1438.9	1491.8
25°	894.9	949.4	1009.7	1078.1	1149.7	1217.0	1279.3	1344.7	1403.8	1464.1	1511.6
27.5°	867.2	924.4	988.0	1058.6	1132.1	1201.0	1274.3	1344.0	1403.5	1461.5	1502.9
30°	845.1	905.4	966.5	1038.1	1114.3	1188.3	1266.8	1336.5	1399.1	1451.3	1474.6
32.5°	822.4	879.6	942.5	1015.0	1093.2	1172.7	1250.7	1321.9	1379.8	1411.1	1411.7
35°	782.8	836.5	901.9	973.1	1053.2	1139.6	1218.6	1288.6	1324.0	1326.8	1288.6
37.5°	739.7	789.0	850.7	922.0	1009.7	1095.7	1176.3	1223.0	1234.9	1195.3	1124.8
40°	708.9	754.4	814.0	887.1	974.3	1063.0	1136.5	1170.7	1158.3	1094.1	1015.5
42.5°	676.5	718.9	776.3	848.5	936.0	1025.6	1088.3	1106.6	1073.6	999.5	907.5
45°	623.7	662.6	719.4	792.2	876.2	960.3	1007.7	998.4	943.5	855.6	752.5
47.5°	568.7	606.3	657.4	724.7	810.8	883.3	915.4	887.3	809.2	712.5	628.6
50°	532.3	570.8	617.9	682.1	760.7	830.7	851.3	808.5	721.7	628.8	551.7
52.5°	496.5	529.4	575.5	637.5	712.7	771.9	782.8	733.5	643.9	560.6	492.3
55°	442.0	472.0	510.9	569.2	634.2	684.4	678.6	615.1	533.8	462.6	408.9
57.5°	389.3	411.9	447.8	502.5	559.6	593.3	571.9	517.9	442.1	383.8	338.5
60°	354.5	375.5	408.9	456.8	507.0	526.0	508.1	449.4	389.5	336.2	298.0
62.5°	321.5	340.0	368.8	413.2	453.7	465.0	445.9	394.6	340.6	295.1	263.5
65°	273.5	290.6	315.2	346.7	374.7	380.1	367.7	315.2	274.3	236.2	214.4
67.5°	230.0	241.2	260.4	287.6	302.5	305.7	281.6	248.6	212.6	189.2	172.8
70°	200.8	208.5	226.4	241.2	253.3	253.7	231.5	205.0	177.4	158.4	146.3
72.5°	172.4	179.9	193.5	203.6	212.8	209.8	189.5	168.6	146.3	131.9	122.9
75°	133.1	139.7	146.7	151.4	151.4	147.5	132.7	117.1	104.3	95.7	93.0
77.5°	96.7	102.2	104.5	103.8	102.4	96.3	87.0	76.8	72.2	68.2	66.1
80°	75.9	78.2	79.0	77.0	74.7	67.7	61.5	57.2	52.9	51.4	50.6
82.5°	56.3	58.3	56.3	56.8	51.7	45.9	42.5	41.0	39.2	38.6	37.8
85°	30.0	29.6	28.8	26.8	23.3	22.6	22.2	21.8	21.0	21.4	20.6
87.5°	11.5	11.2	10.5	10.8	11.2	11.0	11.8	12.2	12.6	12.6	13.5
90°	6.3	9.2	12.0	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7
92.5°	28.1	31.4	34.6	37.9	40.2	41.7	43.1	44.6	46.0	46.9	47.9
95°	72.0	74.4	76.7	79.0	81.1	82.9	84.7	86.5	88.3	89.1	89.8
97.5°	123.6	125.5	127.3	129.2	131.2	133.3	135.4	137.5	139.6	140.6	141.5
100°	163.7	164.7	165.7	166.8	168.5	170.8	173.1	175.4	177.8	178.3	178.8
102.5°	205.8	206.2	206.6	207.1	208.3	210.4	212.6	214.7	216.8	217.5	218.2
105°	271.0	271.2	271.5	271.7	272.4	273.4	274.4	275.5	276.5	277.3	278.1
107.5°	339.6	339.9	340.2	340.5	340.7	340.9	341.0	341.2	341.3	342.1	342.8
110°	386.2	386.7	387.3	387.8	387.9	387.7	387.4	387.1	386.9	386.4	385.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.2	434.3	434.4	434.5	434.3	433.8	433.4	432.9	432.4	432.3	432.2
115°	506.5	506.5	506.5	506.5	506.3	505.8	505.3	504.7	504.2	504.0	503.7
117.5°	575.1	575.3	575.5	575.7	575.6	575.2	574.9	574.5	574.2	573.3	572.4
120°	621.4	622.5	623.5	624.5	624.7	623.9	623.1	622.3	621.6	620.3	619.0
122.5°	668.2	668.6	669.0	669.5	669.5	669.1	668.8	668.4	668.0	667.2	666.3
125°	737.7	737.7	737.7	737.7	737.6	737.4	737.1	736.8	736.6	736.1	735.5
127.5°	802.0	802.7	803.5	804.3	804.5	804.0	803.6	803.2	802.8	802.3	801.8
130°	846.6	847.3	848.1	848.9	849.3	849.3	849.3	849.3	849.3	848.8	848.2
132.5°	891.9	892.5	893.0	893.6	893.8	893.6	893.4	893.2	893.0	892.4	891.9
135°	953.1	954.6	956.2	957.7	958.5	958.5	958.5	958.5	958.5	958.0	957.5
137.5°	1017.8	1018.5	1019.2	1019.9	1020.5	1020.9	1021.3	1021.7	1022.1	1021.5	1020.8
140°	1061.2	1061.8	1062.3	1062.8	1063.0	1063.0	1063.0	1063.0	1063.0	1062.8	1062.5
142.5°	1101.2	1101.7	1102.2	1102.8	1102.9	1102.7	1102.5	1102.3	1102.1	1102.0	1102.0
145°	1157.0	1158.1	1159.1	1160.1	1160.8	1161.0	1161.3	1161.5	1161.8	1161.5	1161.3
147.5°	1212.1	1213.3	1214.5	1215.8	1216.3	1216.1	1215.9	1215.7	1215.5	1215.3	1215.1
150°	1245.3	1246.4	1247.4	1248.4	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9
152.5°	1276.5	1277.1	1277.7	1278.4	1278.8	1279.0	1279.2	1279.4	1279.6	1280.2	1280.8
155°	1324.4	1324.4	1324.4	1324.4	1324.3	1324.1	1323.8	1323.5	1323.3	1324.3	1325.4
157.5°	1364.9	1364.4	1364.0	1363.5	1363.2	1363.2	1363.1	1363.1	1363.0	1363.8	1364.6
160°	1389.3	1389.0	1388.7	1388.5	1388.2	1388.0	1387.7	1387.4	1387.2	1388.0	1388.7
162.5°	1411.1	1410.5	1409.8	1409.1	1408.7	1408.4	1408.2	1407.9	1407.6	1409.0	1410.4
165°	1441.0	1440.2	1439.5	1438.7	1438.0	1437.5	1437.0	1436.5	1436.0	1437.5	1439.1
167.5°	1463.7	1462.6	1461.5	1460.5	1459.9	1460.0	1460.0	1460.1	1460.1	1461.7	1463.2
170°	1476.5	1475.2	1473.9	1472.6	1472.1	1472.4	1472.6	1472.9	1473.2	1474.7	1476.3
172.5°	1486.0	1484.9	1483.8	1482.8	1482.2	1482.3	1482.4	1482.4	1482.5	1484.2	1486.0
175°	1498.6	1497.3	1496.0	1494.7	1493.9	1493.7	1493.4	1493.2	1492.9	1494.7	1496.5
177.5°	1503.0	1502.0	1501.0	1499.9	1499.4	1499.4	1499.4	1499.4	1499.4	1500.9	1502.3
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	1013.0	1014.3	1015.2	1018.3	1018.6	1021.4	1018.6
5°	1096.8	1102.3	1110.8	1119.4	1120.2	1125.6	1115.9
7.5°	1190.8	1203.4	1211.3	1225.1	1230.6	1234.0	1228.4
10°	1255.6	1267.2	1287.9	1298.0	1308.1	1309.6	1305.0
12.5°	1318.1	1336.6	1352.9	1372.1	1371.6	1385.3	1380.3
15°	1401.5	1420.5	1443.1	1464.5	1472.3	1472.3	1478.5
17.5°	1460.9	1495.9	1519.2	1536.0	1554.4	1557.6	1555.4
20°	1501.1	1538.8	1563.7	1585.5	1598.0	1601.5	1601.5
22.5°	1531.0	1563.1	1587.4	1607.0	1617.3	1621.4	1620.1
25°	1551.7	1579.3	1594.1	1599.9	1602.6	1601.8	1594.5
27.5°	1523.3	1522.1	1512.7	1494.8	1481.4	1473.2	1463.9
30°	1469.2	1448.9	1425.6	1399.9	1366.8	1341.5	1333.8
32.5°	1388.6	1343.1	1303.6	1260.8	1225.2	1199.9	1189.3
35°	1232.6	1160.6	1101.9	1050.5	1013.2	989.8	982.0
37.5°	1047.6	977.9	905.2	855.4	824.4	800.8	792.0
40°	929.9	854.0	790.6	743.9	712.0	689.1	688.7
42.5°	822.5	750.1	690.4	656.8	622.4	607.2	607.1
45°	673.5	615.5	564.9	538.5	517.9	505.4	501.9
47.5°	557.6	509.7	476.0	454.9	438.1	430.2	425.0
50°	492.6	450.6	423.7	405.4	396.1	386.0	385.2
52.5°	438.4	404.5	383.6	368.7	356.9	350.8	351.0
55°	368.5	341.6	326.8	315.5	306.2	301.5	299.6
57.5°	310.4	290.3	279.5	269.2	265.2	261.5	260.5
60°	274.3	260.7	250.6	242.4	236.6	235.4	235.0
62.5°	244.4	230.2	223.2	216.9	212.6	210.8	210.1
65°	201.5	191.0	184.8	179.8	178.2	175.5	175.1
67.5°	162.5	156.2	152.1	148.6	146.4	146.3	146.3
70°	138.5	135.0	131.5	129.6	128.4	127.6	127.6
72.5°	118.0	115.4	112.5	111.5	111.3	110.5	110.2
75°	89.9	87.2	87.5	85.6	84.0	82.1	80.9
77.5°	63.7	61.8	61.4	61.2	59.8	59.6	60.2
80°	49.4	47.5	47.1	47.5	47.1	45.9	45.9
82.5°	37.6	36.0	35.6	35.3	34.9	35.3	34.7
85°	20.2	19.5	19.5	19.5	20.2	19.8	19.5
87.5°	13.2	13.2	13.7	13.5	13.6	13.4	13.8
90°	30.2	31.8	32.8	33.3	33.8	34.3	34.9
92.5°	48.8	49.7	50.3	50.7	51.0	51.3	51.6
95°	90.6	91.4	91.8	91.8	91.8	91.8	91.8
97.5°	142.4	143.4	143.8	143.8	143.8	143.8	143.8
100°	179.3	179.8	180.1	180.1	180.1	180.1	180.1
102.5°	219.0	219.7	220.1	220.4	220.6	220.8	221.0
105°	278.8	279.6	280.4	281.2	281.9	282.7	283.5
107.5°	343.5	344.2	344.6	344.5	344.5	344.4	344.4
110°	385.3	384.8	384.9	385.7	386.5	387.3	388.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	432.1	432.0	432.0	432.2	432.3	432.5	432.7
115°	503.4	503.2	502.9	502.7	502.4	502.2	501.9
117.5°	571.5	570.6	570.0	569.4	568.9	568.4	567.9
120°	617.7	616.4	616.0	616.5	617.0	617.6	618.1
122.5°	665.4	664.5	663.6	662.7	661.8	660.8	659.9
125°	735.0	734.5	734.0	733.5	733.0	732.4	731.9
127.5°	801.3	800.7	800.3	799.9	799.4	799.0	798.6
130°	847.7	847.2	846.4	845.4	844.4	843.3	842.3
132.5°	891.4	890.9	890.4	890.0	889.6	889.2	888.8
135°	956.9	956.4	955.8	955.0	954.2	953.4	952.7
137.5°	1020.1	1019.5	1019.2	1019.4	1019.5	1019.7	1019.8
140°	1062.3	1062.0	1061.8	1061.5	1061.2	1061.0	1060.7
142.5°	1101.9	1101.9	1101.8	1101.8	1101.7	1101.7	1101.6
145°	1161.0	1160.8	1160.2	1159.5	1158.7	1157.9	1157.2
147.5°	1214.9	1214.6	1214.4	1214.2	1213.9	1213.6	1213.4
150°	1248.9	1248.9	1248.8	1248.5	1248.3	1248.0	1247.8
152.5°	1281.5	1282.1	1282.1	1281.4	1280.7	1280.0	1279.4
155°	1326.4	1327.4	1327.4	1326.4	1325.4	1324.3	1323.3
157.5°	1365.3	1366.1	1366.1	1365.2	1364.3	1363.4	1362.6
160°	1389.5	1390.3	1390.0	1388.7	1387.4	1386.2	1384.9
162.5°	1411.8	1413.2	1413.3	1412.0	1410.7	1409.4	1408.1
165°	1440.6	1442.2	1442.4	1441.4	1440.4	1439.3	1438.3
167.5°	1464.8	1466.3	1466.3	1464.7	1463.1	1461.5	1459.9
170°	1477.8	1479.4	1479.2	1477.4	1475.6	1473.8	1472.0
172.5°	1487.7	1489.5	1489.5	1487.6	1485.8	1484.0	1482.2
175°	1498.3	1500.1	1500.1	1498.3	1496.5	1494.7	1492.9
177.5°	1503.8	1505.2	1505.1	1503.4	1501.8	1500.1	1498.5
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2

(END OF REPORT)