

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: P332788-935

Luminaire Tested: **S124DIW-S795D1050U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332788-935
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: S124DIW-S795D1050U935-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6182.2 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

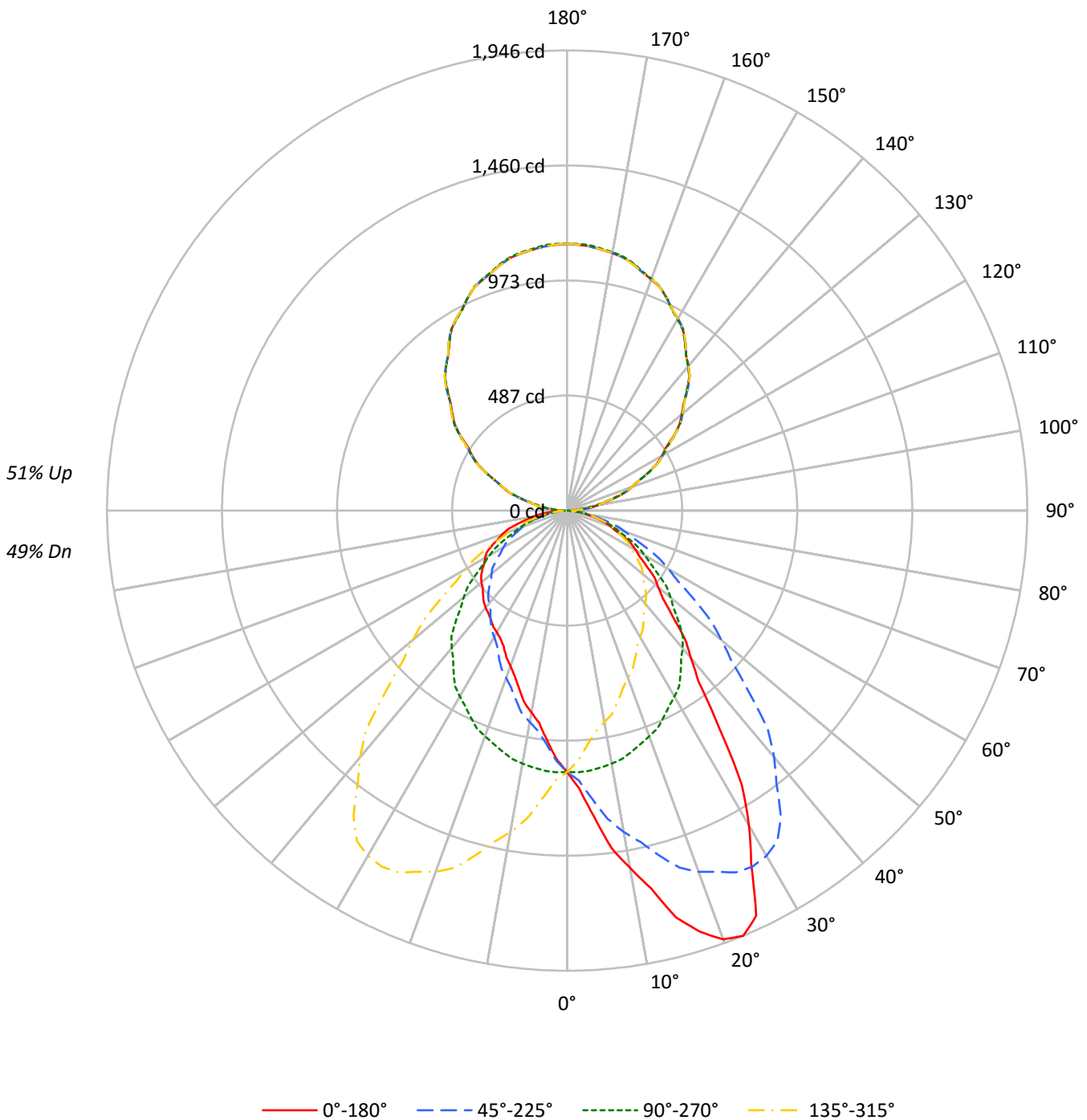
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	0
RCR																					
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	49			49
1	98	94	90	86	90	86	83	80	73	71	69	61	59	58	49	48	47	42			42
2	89	82	76	71	82	76	71	66	64	60	57	54	51	48	44	42	40	36			36
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	34	30			30
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26			26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23			23
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20			20
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18			18
8	54	42	35	29	50	39	32	28	34	28	25	29	25	22	24	21	19	16			16
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15			15
10	47	35	28	23	44	33	27	22	29	23	20	25	20	18	21	18	15	13			13

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.7
10°-20°	331.9	5.4
20°-30°	526.4	8.5
30°-40°	585.8	9.5
40°-50°	533.2	8.6
50°-60°	435.7	7.0
60°-70°	311.1	5.0
70°-80°	171.3	2.8
80°-90°	50.1	0.8
90°-100°	74.4	1.2
100°-110°	220.4	3.6
110°-120°	374.0	6.0
120°-130°	493.2	8.0
130°-140°	553.9	9.0
140°-150°	544.3	8.8
150°-160°	457.8	7.4
160°-170°	304.6	4.9
170°-180°	106.6	1.7
0°-30°	966.0	15.6
0°-40°	1551.8	25.1
0°-60°	2520.7	40.8
0°-90°	3053.2	49.4
90°-120°	668.7	10.8
90°-150°	2260.0	36.6
90°-180°	3129.0	50.6
0°-180°	6182.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1105	1105	1105	1105	1105	
5°	1297	1104	974	1104	1297	132
15°	1781	1055	781	1055	1781	503
25°	1891	964	635	964	1891	834
35°	1118	837	562	837	1118	710
45°	627	668	503	668	627	494
55°	410	471	439	471	410	371
65°	264	293	351	293	264	261
75°	132	142	217	142	132	140
85°	28	28	68	28	28	34
90°	26	3	26	3	26	14
95°	69	52	69	52	69	72
105°	213	203	213	203	213	224
115°	377	380	377	380	377	373
125°	550	554	550	554	550	490
135°	715	714	715	714	715	552
145°	869	868	869	868	869	544
155°	994	994	994	994	994	457
165°	1080	1082	1080	1082	1080	304
175°	1121	1126	1121	1126	1121	106
180°	1128	1128	1128	1128	1128	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1176.5	1176.1	1172.4	1171.7	1169.2	1165.9	1165.1	1159.3	1147.5	1142.0	1140.6
5°	1296.8	1306.0	1294.1	1291.8	1290.4	1275.3	1267.5	1258.4	1237.3	1224.9	1215.3
7.5°	1440.5	1441.5	1436.3	1432.1	1420.5	1407.2	1387.5	1366.4	1341.4	1315.2	1295.5
10°	1534.9	1538.6	1532.7	1531.7	1508.4	1493.7	1464.4	1439.7	1411.3	1379.7	1350.8
12.5°	1634.6	1629.4	1626.4	1606.8	1602.5	1575.8	1541.7	1516.2	1472.5	1436.1	1397.7
15°	1781.3	1771.2	1764.8	1737.8	1724.5	1687.4	1651.2	1623.3	1566.1	1511.6	1470.3
17.5°	1867.3	1877.4	1862.6	1851.5	1817.1	1791.1	1754.2	1695.6	1650.8	1583.1	1531.1
20°	1929.7	1930.5	1922.4	1910.9	1883.9	1850.9	1810.6	1746.5	1692.9	1625.6	1554.2
22.5°	1946.5	1946.7	1943.2	1932.5	1912.0	1885.3	1844.7	1791.1	1726.2	1653.0	1581.7
25°	1891.2	1889.4	1893.5	1905.4	1897.6	1889.4	1866.0	1826.2	1765.7	1688.3	1611.4
27.5°	1685.7	1698.3	1721.6	1750.8	1779.1	1800.6	1806.6	1798.5	1761.0	1697.4	1616.8
30°	1537.7	1553.2	1570.6	1599.9	1656.7	1689.3	1724.9	1752.0	1736.9	1686.0	1610.9
32.5°	1375.0	1378.9	1404.7	1438.0	1490.0	1552.6	1609.2	1664.1	1682.3	1655.6	1593.0
35°	1118.2	1124.6	1152.5	1185.5	1249.2	1325.7	1410.8	1486.9	1549.5	1574.8	1542.7
37.5°	912.5	930.9	950.6	986.1	1042.2	1110.9	1199.5	1297.8	1391.3	1454.0	1464.6
40°	815.1	826.6	840.8	867.7	915.3	983.2	1059.1	1171.8	1271.2	1360.9	1390.3
42.5°	738.1	744.9	753.5	778.0	814.2	881.7	951.1	1050.2	1150.0	1257.2	1306.3
45°	627.3	634.2	648.8	663.1	690.5	737.3	801.8	883.3	983.6	1087.1	1177.8
47.5°	547.3	551.7	560.4	575.6	598.9	629.7	682.3	750.4	843.3	943.7	1040.3
50°	501.9	505.5	512.4	526.2	544.0	571.4	614.5	678.2	751.0	852.2	946.9
52.5°	466.0	467.4	472.5	481.8	496.0	519.1	554.4	607.1	674.8	765.0	859.5
55°	410.3	412.2	416.7	423.6	435.9	450.6	477.6	516.9	576.1	654.4	736.3
57.5°	364.5	365.8	369.6	372.3	382.5	394.3	415.2	443.2	488.0	554.4	627.6
60°	335.2	334.2	338.9	341.1	348.0	358.1	374.1	401.1	440.1	493.6	560.9
62.5°	306.6	305.3	309.2	312.2	316.2	324.8	337.9	359.0	390.6	439.0	497.2
65°	263.7	261.9	264.2	267.9	271.6	276.1	285.8	304.5	329.7	364.5	408.9
67.5°	220.7	222.7	223.0	224.8	227.0	233.2	239.8	253.0	270.8	298.7	336.3
70°	195.1	195.5	197.3	197.3	198.7	204.2	209.7	217.5	234.9	260.5	291.2
72.5°	169.4	171.3	170.7	172.1	173.1	176.8	180.8	188.2	203.0	222.1	248.0
75°	131.9	133.3	133.3	133.7	135.1	136.5	139.7	145.2	155.7	169.9	187.8
77.5°	96.2	96.3	96.9	98.7	98.7	100.8	103.2	107.6	112.8	122.5	133.5
80°	74.2	75.1	74.6	75.6	75.6	77.4	78.3	83.8	86.1	92.5	101.2
82.5°	54.4	55.3	55.2	56.5	57.3	57.6	58.9	61.0	63.4	69.1	72.6
85°	27.5	28.4	27.5	28.4	29.8	30.2	31.6	32.0	33.9	35.3	38.5
87.5°	13.3	14.3	14.2	14.6	15.2	15.4	15.5	14.9	16.2	16.3	17.5
90°	26.2	25.7	25.4	25.0	24.6	23.8	22.6	21.5	20.3	19.2	17.7
92.5°	38.7	38.5	38.2	38.1	37.8	37.4	36.6	35.9	35.2	34.5	33.5
95°	68.9	68.9	68.9	68.9	68.9	68.6	68.0	67.4	66.9	66.3	64.9
97.5°	108.0	108.0	108.0	108.0	108.0	107.6	106.9	106.2	105.6	104.9	103.2
100°	135.2	135.2	135.2	135.2	135.2	135.0	134.6	134.2	133.8	133.5	131.7
102.5°	165.9	165.7	165.6	165.4	165.3	165.0	164.4	163.8	163.3	162.7	161.2
105°	212.8	212.2	211.6	211.1	210.5	209.9	209.3	208.8	208.2	207.6	206.8
107.5°	258.6	258.6	258.6	258.6	258.6	258.5	257.9	257.4	256.8	256.2	256.1
110°	291.4	290.8	290.2	289.6	289.0	288.9	289.3	289.6	290.1	290.4	290.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	324.9	324.7	324.6	324.5	324.3	324.3	324.4	324.5	324.6	324.7	325.0
115°	376.8	377.0	377.2	377.4	377.5	377.8	378.0	378.2	378.3	378.6	378.9
117.5°	426.4	426.7	427.1	427.5	427.9	428.4	429.0	429.7	430.4	431.0	431.4
120°	464.0	463.6	463.2	462.9	462.4	462.8	463.7	464.7	465.7	466.7	467.3
122.5°	495.4	496.1	496.8	497.5	498.2	498.9	499.6	500.2	500.8	501.5	501.8
125°	549.5	549.9	550.3	550.7	551.0	551.5	551.8	552.2	552.6	553.0	553.2
127.5°	599.6	599.9	600.2	600.5	600.8	601.2	601.6	601.9	602.4	602.7	603.0
130°	632.4	633.2	634.0	634.7	635.5	636.0	636.5	636.8	637.2	637.6	637.6
132.5°	667.3	667.5	667.9	668.2	668.5	668.8	669.3	669.6	670.0	670.4	670.5
135°	715.2	715.8	716.4	717.0	717.6	718.1	718.4	718.8	719.2	719.6	719.6
137.5°	765.6	765.5	765.4	765.3	765.2	765.3	765.9	766.4	766.9	767.4	767.1
140°	796.3	796.5	796.8	796.9	797.1	797.3	797.5	797.7	797.9	798.1	798.1
142.5°	827.1	827.1	827.2	827.2	827.2	827.2	827.2	827.3	827.3	827.4	827.6
145°	868.7	869.4	869.9	870.5	871.1	871.4	871.7	871.8	872.0	872.2	872.0
147.5°	910.9	911.1	911.4	911.5	911.7	911.9	912.1	912.2	912.4	912.5	912.7
150°	936.8	936.9	937.2	937.4	937.5	937.6	937.6	937.6	937.6	937.6	937.6
152.5°	960.5	961.0	961.5	962.0	962.5	962.5	962.1	961.6	961.1	960.7	960.5
155°	993.5	994.3	995.1	995.8	996.6	996.6	995.8	995.1	994.3	993.5	993.7
157.5°	1023.0	1023.6	1024.2	1024.9	1025.6	1025.6	1025.0	1024.5	1023.9	1023.3	1023.3
160°	1039.7	1040.7	1041.6	1042.6	1043.5	1043.8	1043.2	1042.6	1042.0	1041.5	1041.6
162.5°	1057.1	1058.1	1059.1	1060.1	1061.0	1061.0	1059.9	1058.9	1057.8	1056.8	1057.0
165°	1079.8	1080.6	1081.3	1082.1	1082.9	1082.7	1081.6	1080.4	1079.3	1078.1	1078.5
167.5°	1096.1	1097.3	1098.5	1099.7	1100.9	1100.9	1099.7	1098.5	1097.3	1096.2	1096.1
170°	1105.1	1106.5	1107.8	1109.2	1110.5	1110.6	1109.5	1108.3	1107.2	1106.0	1105.8
172.5°	1112.8	1114.1	1115.5	1116.9	1118.2	1118.3	1116.9	1115.6	1114.3	1112.9	1112.9
175°	1120.8	1122.1	1123.5	1124.9	1126.3	1126.3	1124.9	1123.5	1122.1	1120.8	1121.0
177.5°	1125.0	1126.3	1127.5	1128.7	1130.0	1130.1	1128.9	1127.9	1126.8	1125.7	1125.7
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1140.9	1135.8	1132.1	1129.2	1121.2	1116.4	1112.8	1107.6	1101.7	1095.5	1087.8
5°	1205.7	1190.1	1178.7	1161.2	1144.8	1131.0	1116.9	1104.1	1088.5	1071.5	1059.1
7.5°	1273.8	1250.6	1220.9	1195.2	1166.2	1141.0	1118.5	1095.5	1071.4	1048.2	1026.8
10°	1317.0	1287.2	1254.2	1215.3	1178.7	1146.2	1115.9	1086.7	1058.3	1029.8	1005.6
12.5°	1363.5	1326.4	1277.6	1232.2	1191.1	1147.6	1111.2	1075.3	1041.0	1011.2	982.8
15°	1425.9	1372.3	1316.0	1255.2	1201.1	1150.3	1100.4	1055.1	1016.6	977.1	949.7
17.5°	1464.3	1398.0	1333.6	1270.0	1204.6	1140.5	1086.7	1034.3	986.2	947.0	912.4
20°	1489.6	1423.7	1343.5	1279.9	1202.0	1136.1	1073.8	1015.6	965.3	923.6	887.9
22.5°	1511.6	1435.4	1355.2	1271.4	1193.9	1124.0	1055.8	997.3	945.9	902.0	867.7
25°	1523.5	1436.0	1349.0	1265.7	1177.8	1094.8	1033.0	964.4	909.4	863.2	826.6
27.5°	1524.7	1431.2	1332.8	1240.2	1149.4	1072.3	994.2	932.9	875.8	826.9	791.7
30°	1520.7	1423.2	1317.4	1217.1	1126.0	1042.2	974.5	907.6	849.5	800.9	764.2
32.5°	1507.9	1406.4	1297.6	1191.5	1097.1	1015.1	945.1	881.6	824.9	777.1	738.7
35°	1470.8	1370.5	1254.6	1144.4	1047.7	964.8	901.6	837.1	780.3	734.9	697.8
37.5°	1412.8	1322.2	1204.4	1090.2	995.3	912.1	849.5	791.1	739.9	693.8	655.8
40°	1362.3	1282.6	1164.5	1053.2	950.6	871.4	812.8	759.2	708.4	664.9	628.7
42.5°	1304.1	1234.6	1125.7	1007.8	908.9	829.3	772.1	724.0	676.1	635.9	599.8
45°	1200.1	1154.4	1051.8	942.9	839.8	764.7	710.2	668.1	627.8	588.4	558.2
47.5°	1080.7	1058.1	971.7	868.2	770.4	696.4	649.1	610.2	574.9	541.6	514.9
50°	1000.6	989.5	914.9	815.1	721.7	652.0	604.4	571.0	540.8	511.5	486.3
52.5°	921.4	921.0	853.8	762.3	675.9	608.8	561.5	530.4	504.2	480.4	457.7
55°	800.5	813.2	760.6	679.1	601.7	541.2	498.7	470.7	452.5	432.7	415.8
57.5°	689.3	710.6	667.2	595.4	530.8	475.1	438.1	417.1	397.5	385.6	373.3
60°	616.8	637.0	603.0	542.6	481.7	434.1	398.8	380.0	363.1	354.9	346.2
62.5°	552.3	570.3	545.2	489.1	436.3	390.5	360.8	342.7	331.2	322.3	316.5
65°	460.2	475.3	453.8	413.0	367.7	331.1	306.8	292.6	281.6	277.9	271.6
67.5°	372.0	385.7	374.1	339.5	303.2	275.3	256.4	242.8	236.3	233.1	228.5
70°	319.6	333.4	321.0	290.8	262.9	239.5	221.6	213.9	207.0	205.6	199.1
72.5°	275.3	284.6	272.2	248.7	224.7	205.1	191.2	183.0	179.5	177.0	173.6
75°	206.6	214.7	206.6	188.2	171.3	157.6	145.6	142.4	138.3	136.9	134.7
77.5°	146.2	153.3	147.0	135.5	122.9	112.3	105.9	101.8	100.8	98.4	99.5
80°	111.8	116.3	110.4	102.5	92.5	85.2	80.6	78.3	75.6	74.6	76.5
82.5°	80.2	82.2	79.2	74.0	66.5	61.7	58.6	56.0	55.4	55.6	55.6
85°	41.7	41.2	40.7	36.2	33.9	30.7	28.8	28.4	27.9	28.8	29.8
87.5°	17.1	17.2	16.5	14.7	13.2	11.6	10.8	10.1	10.8	11.6	12.4
90°	16.1	14.6	13.0	11.1	9.0	6.9	4.7	2.6	4.7	6.9	9.0
92.5°	32.4	31.3	30.2	28.4	26.0	23.6	21.1	18.7	21.1	23.6	26.0
95°	63.5	62.3	60.9	59.3	57.6	55.8	54.1	52.3	54.1	55.8	57.6
97.5°	101.7	100.0	98.5	97.0	95.6	94.2	92.8	91.4	92.8	94.2	95.6
100°	129.9	128.2	126.5	125.2	124.4	123.6	122.9	122.1	122.9	123.6	124.4
102.5°	159.5	158.0	156.4	155.4	155.2	154.8	154.5	154.2	154.5	154.8	155.2
105°	206.0	205.3	204.5	204.0	203.8	203.6	203.5	203.2	203.5	203.6	203.8
107.5°	256.1	255.9	255.8	255.6	255.4	255.1	254.9	254.7	254.9	255.1	255.4
110°	290.8	291.0	291.2	291.1	290.8	290.3	290.0	289.6	290.0	290.3	290.8



TEST NUMBER: P332788-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	325.4	325.7	326.1	326.1	326.1	326.1	326.0	325.9	326.0	326.1	326.1
115°	379.4	379.7	380.1	380.3	380.3	380.3	380.3	380.3	380.3	380.3	380.3
117.5°	431.6	431.9	432.1	432.2	432.0	431.9	431.7	431.6	431.7	431.9	432.0
120°	467.8	468.4	469.0	468.9	468.1	467.4	466.6	465.8	466.6	467.4	468.1
122.5°	502.0	502.3	502.7	502.6	502.3	502.0	501.7	501.4	501.7	502.0	502.3
125°	553.4	553.5	553.8	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9
127.5°	603.3	603.6	604.0	603.8	603.2	602.6	602.1	601.5	602.1	602.6	603.2
130°	637.6	637.6	637.6	637.3	636.7	636.1	635.6	635.0	635.6	636.1	636.7
132.5°	670.7	670.9	671.0	670.9	670.5	670.0	669.6	669.2	669.6	670.0	670.5
135°	719.6	719.6	719.6	719.0	717.8	716.7	715.5	714.4	715.5	716.7	717.8
137.5°	766.8	766.5	766.1	765.7	765.2	764.7	764.1	763.5	764.1	764.7	765.2
140°	798.1	798.1	798.1	797.9	797.5	797.1	796.8	796.3	796.8	797.1	797.5
142.5°	827.7	827.9	828.0	827.9	827.5	827.2	826.7	826.4	826.7	827.2	827.5
145°	871.8	871.7	871.4	871.0	870.2	869.4	868.7	867.9	868.7	869.4	870.2
147.5°	912.8	913.0	913.2	912.7	911.8	910.9	910.0	909.0	910.0	910.9	911.8
150°	937.6	937.6	937.6	937.3	936.5	935.7	935.0	934.2	935.0	935.7	936.5
152.5°	960.4	960.2	960.0	959.8	959.2	958.8	958.4	957.9	958.4	958.8	959.2
155°	993.9	994.0	994.3	994.4	994.4	994.4	994.4	994.4	994.4	994.4	994.4
157.5°	1023.4	1023.4	1023.5	1023.6	1024.0	1024.3	1024.7	1025.0	1024.7	1024.3	1024.0
160°	1041.8	1042.0	1042.2	1042.4	1042.6	1042.8	1043.0	1043.2	1043.0	1042.8	1042.6
162.5°	1057.2	1057.4	1057.6	1057.9	1058.4	1058.9	1059.5	1059.9	1059.5	1058.9	1058.4
165°	1078.8	1079.3	1079.6	1080.1	1080.7	1081.2	1081.8	1082.4	1081.8	1081.2	1080.7
167.5°	1096.1	1096.1	1096.1	1096.5	1097.3	1098.1	1098.9	1099.7	1098.9	1098.1	1097.3
170°	1105.6	1105.4	1105.2	1105.6	1106.6	1107.5	1108.5	1109.5	1108.5	1107.5	1106.6
172.5°	1112.9	1112.8	1112.8	1113.2	1114.0	1114.8	1115.6	1116.5	1115.6	1114.8	1114.0
175°	1121.2	1121.4	1121.6	1122.1	1123.2	1124.1	1125.1	1126.0	1125.1	1124.1	1123.2
177.5°	1125.7	1125.7	1125.7	1126.1	1126.9	1127.7	1128.4	1129.2	1128.4	1127.7	1126.9
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1084.2	1080.9	1076.1	1069.5	1064.0	1058.2	1056.7	1054.5	1058.9	1055.2	1054.1
5°	1048.6	1039.0	1026.7	1012.4	1004.2	992.3	990.0	985.4	980.9	980.4	975.8
7.5°	1011.0	996.9	980.7	966.2	952.8	939.8	931.3	929.4	922.7	918.8	914.2
10°	986.8	969.4	950.6	936.9	921.4	907.6	897.9	892.5	887.9	882.9	878.3
12.5°	958.2	939.7	924.3	909.4	890.9	880.5	864.6	855.1	854.2	854.3	842.4
15°	925.0	906.6	882.9	861.8	851.7	831.6	822.9	811.8	805.0	798.1	792.6
17.5°	887.0	864.2	845.6	821.4	802.2	786.2	774.7	768.1	757.8	748.0	741.0
20°	863.2	838.9	819.2	793.6	772.5	752.8	743.2	734.0	726.3	718.0	710.2
22.5°	839.0	813.6	789.5	764.7	745.0	724.3	715.0	702.5	695.1	690.5	682.8
25°	800.9	773.4	746.0	722.1	702.0	683.6	671.3	661.7	653.4	649.8	644.7
27.5°	759.5	732.2	705.7	678.6	655.7	642.5	632.6	625.3	620.5	615.7	613.5
30°	733.1	704.7	676.3	651.2	630.1	616.8	607.6	602.6	598.9	596.7	594.3
32.5°	706.4	678.4	648.5	625.5	606.7	594.9	587.9	582.8	581.0	580.1	579.4
35°	663.5	635.2	607.6	587.0	569.2	564.6	558.6	555.9	555.0	558.2	559.6
37.5°	622.0	595.6	570.4	550.4	538.7	532.0	529.9	530.1	533.4	536.2	539.5
40°	595.3	569.6	545.9	528.4	517.5	513.3	512.4	514.7	518.3	521.6	525.2
42.5°	569.3	544.0	522.4	506.1	498.4	494.6	495.2	497.5	502.6	506.5	512.0
45°	528.9	507.8	486.7	473.5	467.1	468.0	468.0	472.1	477.2	483.1	489.0
47.5°	490.9	469.7	452.3	441.2	437.8	437.0	439.6	445.0	452.2	459.6	467.9
50°	465.2	445.1	430.0	419.9	416.2	417.6	421.3	426.3	435.0	444.2	452.9
52.5°	439.2	420.9	406.9	397.5	395.0	397.4	401.1	409.1	416.7	426.6	437.1
55°	398.8	383.2	372.3	365.4	364.5	365.8	370.0	378.7	389.7	402.1	412.2
57.5°	358.6	345.6	335.5	330.8	331.2	332.5	339.3	349.7	361.4	374.5	387.5
60°	331.6	319.6	311.4	307.7	308.2	310.9	319.2	328.8	343.5	356.3	370.0
62.5°	305.9	295.4	287.6	284.3	283.6	289.6	297.6	307.5	322.2	336.5	351.3
65°	264.7	256.4	250.0	248.2	249.6	254.2	264.2	277.5	289.9	305.0	320.6
67.5°	224.4	217.6	213.2	214.0	215.7	222.5	230.9	242.3	256.3	272.0	287.4
70°	198.7	192.3	188.6	189.1	191.8	200.1	207.4	218.9	234.0	250.0	262.9
72.5°	172.4	168.2	164.9	166.8	169.5	175.2	184.3	195.8	209.1	224.0	237.5
75°	132.3	132.3	130.5	131.9	136.0	141.5	148.4	160.2	173.6	185.5	196.5
77.5°	98.2	97.2	98.3	100.0	102.4	108.9	116.8	125.3	135.3	147.1	156.3
80°	75.1	75.6	77.8	80.6	81.5	86.5	94.8	102.5	110.4	120.5	129.2
82.5°	56.4	56.9	58.0	61.6	62.4	67.8	73.2	80.9	88.0	94.8	102.0
85°	30.7	30.7	33.0	34.4	36.6	40.3	43.5	48.0	54.5	59.1	66.0
87.5°	13.9	14.3	16.1	17.1	18.5	20.7	21.7	25.9	27.6	29.7	33.1
90°	11.1	13.0	14.6	16.1	17.7	19.2	20.3	21.5	22.6	23.8	24.6
92.5°	28.4	30.2	31.3	32.4	33.5	34.5	35.2	35.9	36.6	37.4	37.8
95°	59.3	60.9	62.3	63.5	64.9	66.3	66.9	67.4	68.0	68.6	68.9
97.5°	97.0	98.5	100.0	101.7	103.2	104.9	105.6	106.2	106.9	107.6	108.0
100°	125.2	126.5	128.2	129.9	131.7	133.5	133.8	134.2	134.6	135.0	135.2
102.5°	155.4	156.4	158.0	159.5	161.2	162.7	163.3	163.8	164.4	165.0	165.3
105°	204.0	204.5	205.3	206.0	206.8	207.6	208.2	208.8	209.3	209.9	210.5
107.5°	255.6	255.8	255.9	256.1	256.1	256.2	256.8	257.4	257.9	258.5	258.6
110°	291.1	291.2	291.0	290.8	290.7	290.4	290.1	289.6	289.3	288.9	289.0



TEST NUMBER: P332788-935

CATALOG NUMBER: S124DIW-S795D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	326.1	326.1	325.7	325.4	325.0	324.7	324.6	324.5	324.4	324.3	324.3
115°	380.3	380.1	379.7	379.4	378.9	378.6	378.3	378.2	378.0	377.8	377.5
117.5°	432.2	432.1	431.9	431.6	431.4	431.0	430.4	429.7	429.0	428.4	427.9
120°	468.9	469.0	468.4	467.8	467.3	466.7	465.7	464.7	463.7	462.8	462.4
122.5°	502.6	502.7	502.3	502.0	501.8	501.5	500.8	500.2	499.6	498.9	498.2
125°	553.9	553.8	553.5	553.4	553.2	553.0	552.6	552.2	551.8	551.5	551.0
127.5°	603.8	604.0	603.6	603.3	603.0	602.7	602.4	601.9	601.6	601.2	600.8
130°	637.3	637.6	637.6	637.6	637.6	637.6	637.2	636.8	636.5	636.0	635.5
132.5°	670.9	671.0	670.9	670.7	670.5	670.4	670.0	669.6	669.3	668.8	668.5
135°	719.0	719.6	719.6	719.6	719.6	719.6	719.2	718.8	718.4	718.1	717.6
137.5°	765.7	766.1	766.5	766.8	767.1	767.4	766.9	766.4	765.9	765.3	765.2
140°	797.9	798.1	798.1	798.1	798.1	798.1	797.9	797.7	797.5	797.3	797.1
142.5°	827.9	828.0	827.9	827.7	827.6	827.4	827.3	827.3	827.2	827.2	827.2
145°	871.0	871.4	871.7	871.8	872.0	872.2	872.0	871.8	871.7	871.4	871.1
147.5°	912.7	913.2	913.0	912.8	912.7	912.5	912.4	912.2	912.1	911.9	911.7
150°	937.3	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.5
152.5°	959.8	960.0	960.2	960.4	960.5	960.7	961.1	961.6	962.1	962.5	962.5
155°	994.4	994.3	994.0	993.9	993.7	993.5	994.3	995.1	995.8	996.6	996.6
157.5°	1023.6	1023.5	1023.4	1023.4	1023.3	1023.3	1023.9	1024.5	1025.0	1025.6	1025.6
160°	1042.4	1042.2	1042.0	1041.8	1041.6	1041.5	1042.0	1042.6	1043.2	1043.8	1043.5
162.5°	1057.9	1057.6	1057.4	1057.2	1057.0	1056.8	1057.8	1058.9	1059.9	1061.0	1061.0
165°	1080.1	1079.6	1079.3	1078.8	1078.5	1078.1	1079.3	1080.4	1081.6	1082.7	1082.9
167.5°	1096.5	1096.1	1096.1	1096.1	1096.1	1096.2	1097.3	1098.5	1099.7	1100.9	1100.9
170°	1105.6	1105.2	1105.4	1105.6	1105.8	1106.0	1107.2	1108.3	1109.5	1110.6	1110.5
172.5°	1113.2	1112.8	1112.8	1112.9	1112.9	1112.9	1114.3	1115.6	1116.9	1118.3	1118.2
175°	1122.1	1121.6	1121.4	1121.2	1121.0	1120.8	1122.1	1123.5	1124.9	1126.3	1126.3
177.5°	1126.1	1125.7	1125.7	1125.7	1125.7	1125.7	1126.8	1127.9	1128.9	1130.1	1130.0
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8



TEST NUMBER: P332788-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1053.3	1052.7	1050.1	1049.7	1050.1	1052.7	1053.3	1054.1	1055.2	1058.9	1054.5
5°	973.1	970.8	969.4	974.5	969.4	970.8	973.1	975.8	980.4	980.9	985.4
7.5°	912.5	910.7	906.6	905.4	906.6	910.7	912.5	914.2	918.8	922.7	929.4
10°	873.7	871.8	868.2	867.3	868.2	871.8	873.7	878.3	882.9	887.9	892.5
12.5°	836.3	832.7	831.9	832.8	831.9	832.7	836.3	842.4	854.3	854.2	855.1
15°	786.7	784.9	779.8	781.2	779.8	784.9	786.7	792.6	798.1	805.0	811.8
17.5°	737.8	735.6	729.4	734.9	729.4	735.6	737.8	741.0	748.0	757.8	768.1
20°	707.1	703.4	700.2	699.6	700.2	703.4	707.1	710.2	718.0	726.3	734.0
22.5°	677.7	674.4	674.2	671.1	674.2	674.4	677.7	682.8	690.5	695.1	702.5
25°	641.1	637.9	637.0	634.6	637.0	637.9	641.1	644.7	649.8	653.4	661.7
27.5°	612.9	611.4	609.8	610.4	609.8	611.4	612.9	613.5	615.7	620.5	625.3
30°	595.7	595.3	594.3	594.3	594.3	595.3	595.7	594.3	596.7	598.9	602.6
32.5°	581.4	581.3	581.9	581.9	581.9	581.3	581.4	579.4	580.1	581.0	582.8
35°	561.4	562.7	563.7	562.3	563.7	562.7	561.4	559.6	558.2	555.0	555.9
37.5°	543.3	544.7	546.0	547.5	546.0	544.7	543.3	539.5	536.2	533.4	530.1
40°	529.3	532.5	533.5	535.8	533.5	532.5	529.3	525.2	521.6	518.3	514.7
42.5°	516.2	519.7	522.1	522.5	522.1	519.7	516.2	512.0	506.5	502.6	497.5
45°	495.9	499.6	502.8	502.8	502.8	499.6	495.9	489.0	483.1	477.2	472.1
47.5°	474.9	480.3	483.5	484.3	483.5	480.3	474.9	467.9	459.6	452.2	445.0
50°	460.6	467.1	470.3	472.6	470.3	467.1	460.6	452.9	444.2	435.0	426.3
52.5°	446.8	453.1	457.4	458.7	457.4	453.1	446.8	437.1	426.6	416.7	409.1
55°	422.7	431.8	436.9	438.7	436.9	431.8	422.7	412.2	402.1	389.7	378.7
57.5°	399.9	408.4	414.2	415.6	414.2	408.4	399.9	387.5	374.5	361.4	349.7
60°	382.4	391.5	398.8	400.2	398.8	391.5	382.4	370.0	356.3	343.5	328.8
62.5°	364.4	373.9	380.6	384.1	380.6	373.9	364.4	351.3	336.5	322.2	307.5
65°	333.4	342.9	349.4	350.8	349.4	342.9	333.4	320.6	305.0	289.9	277.5
67.5°	299.5	309.1	313.3	316.0	313.3	309.1	299.5	287.4	272.0	256.3	242.3
70°	275.7	283.4	288.0	290.3	288.0	283.4	275.7	262.9	250.0	234.0	218.9
72.5°	248.6	256.7	262.0	262.4	262.0	256.7	248.6	237.5	224.0	209.1	195.8
75°	207.0	214.3	217.1	217.1	217.1	214.3	207.0	196.5	185.5	173.6	160.2
77.5°	163.8	167.6	171.1	171.8	171.1	167.6	163.8	156.3	147.1	135.3	125.3
80°	136.0	138.3	141.0	141.0	141.0	138.3	136.0	129.2	120.5	110.4	102.5
82.5°	107.5	109.3	112.1	111.8	112.1	109.3	107.5	102.0	94.8	88.0	80.9
85°	65.0	69.1	68.7	67.8	68.7	69.1	65.0	66.0	59.1	54.5	48.0
87.5°	34.3	34.8	35.9	36.8	35.9	34.8	34.3	33.1	29.7	27.6	25.9
90°	25.0	25.4	25.7	26.2	25.7	25.4	25.0	24.6	23.8	22.6	21.5
92.5°	38.1	38.2	38.5	38.7	38.5	38.2	38.1	37.8	37.4	36.6	35.9
95°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.6	68.0	67.4
97.5°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	107.6	106.9	106.2
100°	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.0	134.6	134.2
102.5°	165.4	165.6	165.7	165.9	165.7	165.6	165.4	165.3	165.0	164.4	163.8
105°	211.1	211.6	212.2	212.8	212.2	211.6	211.1	210.5	209.9	209.3	208.8
107.5°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.5	257.9	257.4
110°	289.6	290.2	290.8	291.4	290.8	290.2	289.6	289.0	288.9	289.3	289.6



TEST NUMBER: P332788-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	324.5	324.6	324.7	324.9	324.7	324.6	324.5	324.3	324.3	324.4	324.5
115°	377.4	377.2	377.0	376.8	377.0	377.2	377.4	377.5	377.8	378.0	378.2
117.5°	427.5	427.1	426.7	426.4	426.7	427.1	427.5	427.9	428.4	429.0	429.7
120°	462.9	463.2	463.6	464.0	463.6	463.2	462.9	462.4	462.8	463.7	464.7
122.5°	497.5	496.8	496.1	495.4	496.1	496.8	497.5	498.2	498.9	499.6	500.2
125°	550.7	550.3	549.9	549.5	549.9	550.3	550.7	551.0	551.5	551.8	552.2
127.5°	600.5	600.2	599.9	599.6	599.9	600.2	600.5	600.8	601.2	601.6	601.9
130°	634.7	634.0	633.2	632.4	633.2	634.0	634.7	635.5	636.0	636.5	636.8
132.5°	668.2	667.9	667.5	667.3	667.5	667.9	668.2	668.5	668.8	669.3	669.6
135°	717.0	716.4	715.8	715.2	715.8	716.4	717.0	717.6	718.1	718.4	718.8
137.5°	765.3	765.4	765.5	765.6	765.5	765.4	765.3	765.2	765.3	765.9	766.4
140°	796.9	796.8	796.5	796.3	796.5	796.8	796.9	797.1	797.3	797.5	797.7
142.5°	827.2	827.2	827.1	827.1	827.1	827.2	827.2	827.2	827.2	827.2	827.3
145°	870.5	869.9	869.4	868.7	869.4	869.9	870.5	871.1	871.4	871.7	871.8
147.5°	911.5	911.4	911.1	910.9	911.1	911.4	911.5	911.7	911.9	912.1	912.2
150°	937.4	937.2	936.9	936.8	936.9	937.2	937.4	937.5	937.6	937.6	937.6
152.5°	962.0	961.5	961.0	960.5	961.0	961.5	962.0	962.5	962.5	962.1	961.6
155°	995.8	995.1	994.3	993.5	994.3	995.1	995.8	996.6	996.6	995.8	995.1
157.5°	1024.9	1024.2	1023.6	1023.0	1023.6	1024.2	1024.9	1025.6	1025.6	1025.0	1024.5
160°	1042.6	1041.6	1040.7	1039.7	1040.7	1041.6	1042.6	1043.5	1043.8	1043.2	1042.6
162.5°	1060.1	1059.1	1058.1	1057.1	1058.1	1059.1	1060.1	1061.0	1061.0	1059.9	1058.9
165°	1082.1	1081.3	1080.6	1079.8	1080.6	1081.3	1082.1	1082.9	1082.7	1081.6	1080.4
167.5°	1099.7	1098.5	1097.3	1096.1	1097.3	1098.5	1099.7	1100.9	1100.9	1099.7	1098.5
170°	1109.2	1107.8	1106.5	1105.1	1106.5	1107.8	1109.2	1110.5	1110.6	1109.5	1108.3
172.5°	1116.9	1115.5	1114.1	1112.8	1114.1	1115.5	1116.9	1118.2	1118.3	1116.9	1115.6
175°	1124.9	1123.5	1122.1	1120.8	1122.1	1123.5	1124.9	1126.3	1126.3	1124.9	1123.5
177.5°	1128.7	1127.5	1126.3	1125.0	1126.3	1127.5	1128.7	1130.0	1130.1	1128.9	1127.9
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8



TEST NUMBER: P332788-935

CATALOG NUMBER: S124DIW-S795D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1056.7	1058.2	1064.0	1069.5	1076.1	1080.9	1084.2	1087.8	1095.5	1101.7	1107.6
5°	990.0	992.3	1004.2	1012.4	1026.7	1039.0	1048.6	1059.1	1071.5	1088.5	1104.1
7.5°	931.3	939.8	952.8	966.2	980.7	996.9	1011.0	1026.8	1048.2	1071.4	1095.5
10°	897.9	907.6	921.4	936.9	950.6	969.4	986.8	1005.6	1029.8	1058.3	1086.7
12.5°	864.6	880.5	890.9	909.4	924.3	939.7	958.2	982.8	1011.2	1041.0	1075.3
15°	822.9	831.6	851.7	861.8	882.9	906.6	925.0	949.7	977.1	1016.6	1055.1
17.5°	774.7	786.2	802.2	821.4	845.6	864.2	887.0	912.4	947.0	986.2	1034.3
20°	743.2	752.8	772.5	793.6	819.2	838.9	863.2	887.9	923.6	965.3	1015.6
22.5°	715.0	724.3	745.0	764.7	789.5	813.6	839.0	867.7	902.0	945.9	997.3
25°	671.3	683.6	702.0	722.1	746.0	773.4	800.9	826.6	863.2	909.4	964.4
27.5°	632.6	642.5	655.7	678.6	705.7	732.2	759.5	791.7	826.9	875.8	932.9
30°	607.6	616.8	630.1	651.2	676.3	704.7	733.1	764.2	800.9	849.5	907.6
32.5°	587.9	594.9	606.7	625.5	648.5	678.4	706.4	738.7	777.1	824.9	881.6
35°	558.6	564.6	569.2	587.0	607.6	635.2	663.5	697.8	734.9	780.3	837.1
37.5°	529.9	532.0	538.7	550.4	570.4	595.6	622.0	655.8	693.8	739.9	791.1
40°	512.4	513.3	517.5	528.4	545.9	569.6	595.3	628.7	664.9	708.4	759.2
42.5°	495.2	494.6	498.4	506.1	522.4	544.0	569.3	599.8	635.9	676.1	724.0
45°	468.0	468.0	467.1	473.5	486.7	507.8	528.9	558.2	588.4	627.8	668.1
47.5°	439.6	437.0	437.8	441.2	452.3	469.7	490.9	514.9	541.6	574.9	610.2
50°	421.3	417.6	416.2	419.9	430.0	445.1	465.2	486.3	511.5	540.8	571.0
52.5°	401.1	397.4	395.0	397.5	406.9	420.9	439.2	457.7	480.4	504.2	530.4
55°	370.0	365.8	364.5	365.4	372.3	383.2	398.8	415.8	432.7	452.5	470.7
57.5°	339.3	332.5	331.2	330.8	335.5	345.6	358.6	373.3	385.6	397.5	417.1
60°	319.2	310.9	308.2	307.7	311.4	319.6	331.6	346.2	354.9	363.1	380.0
62.5°	297.6	289.6	283.6	284.3	287.6	295.4	305.9	316.5	322.3	331.2	342.7
65°	264.2	254.2	249.6	248.2	250.0	256.4	264.7	271.6	277.9	281.6	292.6
67.5°	230.9	222.5	215.7	214.0	213.2	217.6	224.4	228.5	233.1	236.3	242.8
70°	207.4	200.1	191.8	189.1	188.6	192.3	198.7	199.1	205.6	207.0	213.9
72.5°	184.3	175.2	169.5	166.8	164.9	168.2	172.4	173.6	177.0	179.5	183.0
75°	148.4	141.5	136.0	131.9	130.5	132.3	132.3	134.7	136.9	138.3	142.4
77.5°	116.8	108.9	102.4	100.0	98.3	97.2	98.2	99.5	98.4	100.8	101.8
80°	94.8	86.5	81.5	80.6	77.8	75.6	75.1	76.5	74.6	75.6	78.3
82.5°	73.2	67.8	62.4	61.6	58.0	56.9	56.4	55.6	55.6	55.4	56.0
85°	43.5	40.3	36.6	34.4	33.0	30.7	30.7	29.8	28.8	27.9	28.4
87.5°	21.7	20.7	18.5	17.1	16.1	14.3	13.9	12.4	11.6	10.8	10.1
90°	20.3	19.2	17.7	16.1	14.6	13.0	11.1	9.0	6.9	4.7	2.6
92.5°	35.2	34.5	33.5	32.4	31.3	30.2	28.4	26.0	23.6	21.1	18.7
95°	66.9	66.3	64.9	63.5	62.3	60.9	59.3	57.6	55.8	54.1	52.3
97.5°	105.6	104.9	103.2	101.7	100.0	98.5	97.0	95.6	94.2	92.8	91.4
100°	133.8	133.5	131.7	129.9	128.2	126.5	125.2	124.4	123.6	122.9	122.1
102.5°	163.3	162.7	161.2	159.5	158.0	156.4	155.4	155.2	154.8	154.5	154.2
105°	208.2	207.6	206.8	206.0	205.3	204.5	204.0	203.8	203.6	203.5	203.2
107.5°	256.8	256.2	256.1	256.1	255.9	255.8	255.6	255.4	255.1	254.9	254.7
110°	290.1	290.4	290.7	290.8	291.0	291.2	291.1	290.8	290.3	290.0	289.6



TEST NUMBER: P332788-935

CATALOG NUMBER: S124DIW-S795D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	324.6	324.7	325.0	325.4	325.7	326.1	326.1	326.1	326.1	326.0	325.9
115°	378.3	378.6	378.9	379.4	379.7	380.1	380.3	380.3	380.3	380.3	380.3
117.5°	430.4	431.0	431.4	431.6	431.9	432.1	432.2	432.0	431.9	431.7	431.6
120°	465.7	466.7	467.3	467.8	468.4	469.0	468.9	468.1	467.4	466.6	465.8
122.5°	500.8	501.5	501.8	502.0	502.3	502.7	502.6	502.3	502.0	501.7	501.4
125°	552.6	553.0	553.2	553.4	553.5	553.8	553.9	553.9	553.9	553.9	553.9
127.5°	602.4	602.7	603.0	603.3	603.6	604.0	603.8	603.2	602.6	602.1	601.5
130°	637.2	637.6	637.6	637.6	637.6	637.6	637.3	636.7	636.1	635.6	635.0
132.5°	670.0	670.4	670.5	670.7	670.9	671.0	670.9	670.5	670.0	669.6	669.2
135°	719.2	719.6	719.6	719.6	719.6	719.6	719.0	717.8	716.7	715.5	714.4
137.5°	766.9	767.4	767.1	766.8	766.5	766.1	765.7	765.2	764.7	764.1	763.5
140°	797.9	798.1	798.1	798.1	798.1	798.1	797.9	797.5	797.1	796.8	796.3
142.5°	827.3	827.4	827.6	827.7	827.9	828.0	827.9	827.5	827.2	826.7	826.4
145°	872.0	872.2	872.0	871.8	871.7	871.4	871.0	870.2	869.4	868.7	867.9
147.5°	912.4	912.5	912.7	912.8	913.0	913.2	912.7	911.8	910.9	910.0	909.0
150°	937.6	937.6	937.6	937.6	937.6	937.6	937.3	936.5	935.7	935.0	934.2
152.5°	961.1	960.7	960.5	960.4	960.2	960.0	959.8	959.2	958.8	958.4	957.9
155°	994.3	993.5	993.7	993.9	994.0	994.3	994.4	994.4	994.4	994.4	994.4
157.5°	1023.9	1023.3	1023.3	1023.4	1023.4	1023.5	1023.6	1024.0	1024.3	1024.7	1025.0
160°	1042.0	1041.5	1041.6	1041.8	1042.0	1042.2	1042.4	1042.6	1042.8	1043.0	1043.2
162.5°	1057.8	1056.8	1057.0	1057.2	1057.4	1057.6	1057.9	1058.4	1058.9	1059.5	1059.9
165°	1079.3	1078.1	1078.5	1078.8	1079.3	1079.6	1080.1	1080.7	1081.2	1081.8	1082.4
167.5°	1097.3	1096.2	1096.1	1096.1	1096.1	1096.1	1096.5	1097.3	1098.1	1098.9	1099.7
170°	1107.2	1106.0	1105.8	1105.6	1105.4	1105.2	1105.6	1106.6	1107.5	1108.5	1109.5
172.5°	1114.3	1112.9	1112.9	1112.9	1112.8	1112.8	1113.2	1114.0	1114.8	1115.6	1116.5
175°	1122.1	1120.8	1121.0	1121.2	1121.4	1121.6	1122.1	1123.2	1124.1	1125.1	1126.0
177.5°	1126.8	1125.7	1125.7	1125.7	1125.7	1125.7	1126.1	1126.9	1127.7	1128.4	1129.2
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8



TEST NUMBER: P332788-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.8	1116.4	1121.2	1129.2	1132.1	1135.8	1140.9	1140.6	1142.0	1147.5	1159.3
5°	1116.9	1131.0	1144.8	1161.2	1178.7	1190.1	1205.7	1215.3	1224.9	1237.3	1258.4
7.5°	1118.5	1141.0	1166.2	1195.2	1220.9	1250.6	1273.8	1295.5	1315.2	1341.4	1366.4
10°	1115.9	1146.2	1178.7	1215.3	1254.2	1287.2	1317.0	1350.8	1379.7	1411.3	1439.7
12.5°	1111.2	1147.6	1191.1	1232.2	1277.6	1326.4	1363.5	1397.7	1436.1	1472.5	1516.2
15°	1100.4	1150.3	1201.1	1255.2	1316.0	1372.3	1425.9	1470.3	1511.6	1566.1	1623.3
17.5°	1086.7	1140.5	1204.6	1270.0	1333.6	1398.0	1464.3	1531.1	1583.1	1650.8	1695.6
20°	1073.8	1136.1	1202.0	1279.9	1343.5	1423.7	1489.6	1554.2	1625.6	1692.9	1746.5
22.5°	1055.8	1124.0	1193.9	1271.4	1355.2	1435.4	1511.6	1581.7	1653.0	1726.2	1791.1
25°	1033.0	1094.8	1177.8	1265.7	1349.0	1436.0	1523.5	1611.4	1688.3	1765.7	1826.2
27.5°	994.2	1072.3	1149.4	1240.2	1332.8	1431.2	1524.7	1616.8	1697.4	1761.0	1798.5
30°	974.5	1042.2	1126.0	1217.1	1317.4	1423.2	1520.7	1610.9	1686.0	1736.9	1752.0
32.5°	945.1	1015.1	1097.1	1191.5	1297.6	1406.4	1507.9	1593.0	1655.6	1682.3	1664.1
35°	901.6	964.8	1047.7	1144.4	1254.6	1370.5	1470.8	1542.7	1574.8	1549.5	1486.9
37.5°	849.5	912.1	995.3	1090.2	1204.4	1322.2	1412.8	1464.6	1454.0	1391.3	1297.8
40°	812.8	871.4	950.6	1053.2	1164.5	1282.6	1362.3	1390.3	1360.9	1271.2	1171.8
42.5°	772.1	829.3	908.9	1007.8	1125.7	1234.6	1304.1	1306.3	1257.2	1150.0	1050.2
45°	710.2	764.7	839.8	942.9	1051.8	1154.4	1200.1	1177.8	1087.1	983.6	883.3
47.5°	649.1	696.4	770.4	868.2	971.7	1058.1	1080.7	1040.3	943.7	843.3	750.4
50°	604.4	652.0	721.7	815.1	914.9	989.5	1000.6	946.9	852.2	751.0	678.2
52.5°	561.5	608.8	675.9	762.3	853.8	921.0	921.4	859.5	765.0	674.8	607.1
55°	498.7	541.2	601.7	679.1	760.6	813.2	800.5	736.3	654.4	576.1	516.9
57.5°	438.1	475.1	530.8	595.4	667.2	710.6	689.3	627.6	554.4	488.0	443.2
60°	398.8	434.1	481.7	542.6	603.0	637.0	616.8	560.9	493.6	440.1	401.1
62.5°	360.8	390.5	436.3	489.1	545.2	570.3	552.3	497.2	439.0	390.6	359.0
65°	306.8	331.1	367.7	413.0	453.8	475.3	460.2	408.9	364.5	329.7	304.5
67.5°	256.4	275.3	303.2	339.5	374.1	385.7	372.0	336.3	298.7	270.8	253.0
70°	221.6	239.5	262.9	290.8	321.0	333.4	319.6	291.2	260.5	234.9	217.5
72.5°	191.2	205.1	224.7	248.7	272.2	284.6	275.3	248.0	222.1	203.0	188.2
75°	145.6	157.6	171.3	188.2	206.6	214.7	206.6	187.8	169.9	155.7	145.2
77.5°	105.9	112.3	122.9	135.5	147.0	153.3	146.2	133.5	122.5	112.8	107.6
80°	80.6	85.2	92.5	102.5	110.4	116.3	111.8	101.2	92.5	86.1	83.8
82.5°	58.6	61.7	66.5	74.0	79.2	82.2	80.2	72.6	69.1	63.4	61.0
85°	28.8	30.7	33.9	36.2	40.7	41.2	41.7	38.5	35.3	33.9	32.0
87.5°	10.8	11.6	13.2	14.7	16.5	17.2	17.1	17.5	16.3	16.2	14.9
90°	4.7	6.9	9.0	11.1	13.0	14.6	16.1	17.7	19.2	20.3	21.5
92.5°	21.1	23.6	26.0	28.4	30.2	31.3	32.4	33.5	34.5	35.2	35.9
95°	54.1	55.8	57.6	59.3	60.9	62.3	63.5	64.9	66.3	66.9	67.4
97.5°	92.8	94.2	95.6	97.0	98.5	100.0	101.7	103.2	104.9	105.6	106.2
100°	122.9	123.6	124.4	125.2	126.5	128.2	129.9	131.7	133.5	133.8	134.2
102.5°	154.5	154.8	155.2	155.4	156.4	158.0	159.5	161.2	162.7	163.3	163.8
105°	203.5	203.6	203.8	204.0	204.5	205.3	206.0	206.8	207.6	208.2	208.8
107.5°	254.9	255.1	255.4	255.6	255.8	255.9	256.1	256.1	256.2	256.8	257.4
110°	290.0	290.3	290.8	291.1	291.2	291.0	290.8	290.7	290.4	290.1	289.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	326.0	326.1	326.1	326.1	326.1	325.7	325.4	325.0	324.7	324.6	324.5
115°	380.3	380.3	380.3	380.3	380.1	379.7	379.4	378.9	378.6	378.3	378.2
117.5°	431.7	431.9	432.0	432.2	432.1	431.9	431.6	431.4	431.0	430.4	429.7
120°	466.6	467.4	468.1	468.9	469.0	468.4	467.8	467.3	466.7	465.7	464.7
122.5°	501.7	502.0	502.3	502.6	502.7	502.3	502.0	501.8	501.5	500.8	500.2
125°	553.9	553.9	553.9	553.9	553.8	553.5	553.4	553.2	553.0	552.6	552.2
127.5°	602.1	602.6	603.2	603.8	604.0	603.6	603.3	603.0	602.7	602.4	601.9
130°	635.6	636.1	636.7	637.3	637.6	637.6	637.6	637.6	637.6	637.2	636.8
132.5°	669.6	670.0	670.5	670.9	671.0	670.9	670.7	670.5	670.4	670.0	669.6
135°	715.5	716.7	717.8	719.0	719.6	719.6	719.6	719.6	719.6	719.2	718.8
137.5°	764.1	764.7	765.2	765.7	766.1	766.5	766.8	767.1	767.4	766.9	766.4
140°	796.8	797.1	797.5	797.9	798.1	798.1	798.1	798.1	798.1	797.9	797.7
142.5°	826.7	827.2	827.5	827.9	828.0	827.9	827.7	827.6	827.4	827.3	827.3
145°	868.7	869.4	870.2	871.0	871.4	871.7	871.8	872.0	872.2	872.0	871.8
147.5°	910.0	910.9	911.8	912.7	913.2	913.0	912.8	912.7	912.5	912.4	912.2
150°	935.0	935.7	936.5	937.3	937.6	937.6	937.6	937.6	937.6	937.6	937.6
152.5°	958.4	958.8	959.2	959.8	960.0	960.2	960.4	960.5	960.7	961.1	961.6
155°	994.4	994.4	994.4	994.4	994.3	994.0	993.9	993.7	993.5	994.3	995.1
157.5°	1024.7	1024.3	1024.0	1023.6	1023.5	1023.4	1023.4	1023.3	1023.3	1023.9	1024.5
160°	1043.0	1042.8	1042.6	1042.4	1042.2	1042.0	1041.8	1041.6	1041.5	1042.0	1042.6
162.5°	1059.5	1058.9	1058.4	1057.9	1057.6	1057.4	1057.2	1057.0	1056.8	1057.8	1058.9
165°	1081.8	1081.2	1080.7	1080.1	1079.6	1079.3	1078.8	1078.5	1078.1	1079.3	1080.4
167.5°	1098.9	1098.1	1097.3	1096.5	1096.1	1096.1	1096.1	1096.1	1096.2	1097.3	1098.5
170°	1108.5	1107.5	1106.6	1105.6	1105.2	1105.4	1105.6	1105.8	1106.0	1107.2	1108.3
172.5°	1115.6	1114.8	1114.0	1113.2	1112.8	1112.8	1112.9	1112.9	1112.9	1114.3	1115.6
175°	1125.1	1124.1	1123.2	1122.1	1121.6	1121.4	1121.2	1121.0	1120.8	1122.1	1123.5
177.5°	1128.4	1127.7	1126.9	1126.1	1125.7	1125.7	1125.7	1125.7	1125.7	1126.8	1127.9
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1165.1	1165.9	1169.2	1171.7	1172.4	1176.1	1176.5
5°	1267.5	1275.3	1290.4	1291.8	1294.1	1306.0	1296.8
7.5°	1387.5	1407.2	1420.5	1432.1	1436.3	1441.5	1440.5
10°	1464.4	1493.7	1508.4	1531.7	1532.7	1538.6	1534.9
12.5°	1541.7	1575.8	1602.5	1606.8	1626.4	1629.4	1634.6
15°	1651.2	1687.4	1724.5	1737.8	1764.8	1771.2	1781.3
17.5°	1754.2	1791.1	1817.1	1851.5	1862.6	1877.4	1867.3
20°	1810.6	1850.9	1883.9	1910.9	1922.4	1930.5	1929.7
22.5°	1844.7	1885.3	1912.0	1932.5	1943.2	1946.7	1946.5
25°	1866.0	1889.4	1897.6	1905.4	1893.5	1889.4	1891.2
27.5°	1806.6	1800.6	1779.1	1750.8	1721.6	1698.3	1685.7
30°	1724.9	1689.3	1656.7	1599.9	1570.6	1553.2	1537.7
32.5°	1609.2	1552.6	1490.0	1438.0	1404.7	1378.9	1375.0
35°	1410.8	1325.7	1249.2	1185.5	1152.5	1124.6	1118.2
37.5°	1199.5	1110.9	1042.2	986.1	950.6	930.9	912.5
40°	1059.1	983.2	915.3	867.7	840.8	826.6	815.1
42.5°	951.1	881.7	814.2	778.0	753.5	744.9	738.1
45°	801.8	737.3	690.5	663.1	648.8	634.2	627.3
47.5°	682.3	629.7	598.9	575.6	560.4	551.7	547.3
50°	614.5	571.4	544.0	526.2	512.4	505.5	501.9
52.5°	554.4	519.1	496.0	481.8	472.5	467.4	466.0
55°	477.6	450.6	435.9	423.6	416.7	412.2	410.3
57.5°	415.2	394.3	382.5	372.3	369.6	365.8	364.5
60°	374.1	358.1	348.0	341.1	338.9	334.2	335.2
62.5°	337.9	324.8	316.2	312.2	309.2	305.3	306.6
65°	285.8	276.1	271.6	267.9	264.2	261.9	263.7
67.5°	239.8	233.2	227.0	224.8	223.0	222.7	220.7
70°	209.7	204.2	198.7	197.3	197.3	195.5	195.1
72.5°	180.8	176.8	173.1	172.1	170.7	171.3	169.4
75°	139.7	136.5	135.1	133.7	133.3	133.3	131.9
77.5°	103.2	100.8	98.7	98.7	96.9	96.3	96.2
80°	78.3	77.4	75.6	75.6	74.6	75.1	74.2
82.5°	58.9	57.6	57.3	56.5	55.2	55.3	54.4
85°	31.6	30.2	29.8	28.4	27.5	28.4	27.5
87.5°	15.5	15.4	15.2	14.6	14.2	14.3	13.3
90°	22.6	23.8	24.6	25.0	25.4	25.7	26.2
92.5°	36.6	37.4	37.8	38.1	38.2	38.5	38.7
95°	68.0	68.6	68.9	68.9	68.9	68.9	68.9
97.5°	106.9	107.6	108.0	108.0	108.0	108.0	108.0
100°	134.6	135.0	135.2	135.2	135.2	135.2	135.2
102.5°	164.4	165.0	165.3	165.4	165.6	165.7	165.9
105°	209.3	209.9	210.5	211.1	211.6	212.2	212.8
107.5°	257.9	258.5	258.6	258.6	258.6	258.6	258.6
110°	289.3	288.9	289.0	289.6	290.2	290.8	291.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	324.4	324.3	324.3	324.5	324.6	324.7	324.9
115°	378.0	377.8	377.5	377.4	377.2	377.0	376.8
117.5°	429.0	428.4	427.9	427.5	427.1	426.7	426.4
120°	463.7	462.8	462.4	462.9	463.2	463.6	464.0
122.5°	499.6	498.9	498.2	497.5	496.8	496.1	495.4
125°	551.8	551.5	551.0	550.7	550.3	549.9	549.5
127.5°	601.6	601.2	600.8	600.5	600.2	599.9	599.6
130°	636.5	636.0	635.5	634.7	634.0	633.2	632.4
132.5°	669.3	668.8	668.5	668.2	667.9	667.5	667.3
135°	718.4	718.1	717.6	717.0	716.4	715.8	715.2
137.5°	765.9	765.3	765.2	765.3	765.4	765.5	765.6
140°	797.5	797.3	797.1	796.9	796.8	796.5	796.3
142.5°	827.2	827.2	827.2	827.2	827.2	827.1	827.1
145°	871.7	871.4	871.1	870.5	869.9	869.4	868.7
147.5°	912.1	911.9	911.7	911.5	911.4	911.1	910.9
150°	937.6	937.6	937.5	937.4	937.2	936.9	936.8
152.5°	962.1	962.5	962.5	962.0	961.5	961.0	960.5
155°	995.8	996.6	996.6	995.8	995.1	994.3	993.5
157.5°	1025.0	1025.6	1025.6	1024.9	1024.2	1023.6	1023.0
160°	1043.2	1043.8	1043.5	1042.6	1041.6	1040.7	1039.7
162.5°	1059.9	1061.0	1061.0	1060.1	1059.1	1058.1	1057.1
165°	1081.6	1082.7	1082.9	1082.1	1081.3	1080.6	1079.8
167.5°	1099.7	1100.9	1100.9	1099.7	1098.5	1097.3	1096.1
170°	1109.5	1110.6	1110.5	1109.2	1107.8	1106.5	1105.1
172.5°	1116.9	1118.3	1118.2	1116.9	1115.5	1114.1	1112.8
175°	1124.9	1126.3	1126.3	1124.9	1123.5	1122.1	1120.8
177.5°	1128.9	1130.1	1130.0	1128.7	1127.5	1126.3	1125.0
180°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8

(END OF REPORT)