

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: P331992-935

Luminaire Tested: **S123DIP-S775D1195U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331992-935
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: S123DIP-S775D1195U935-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6340.1 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

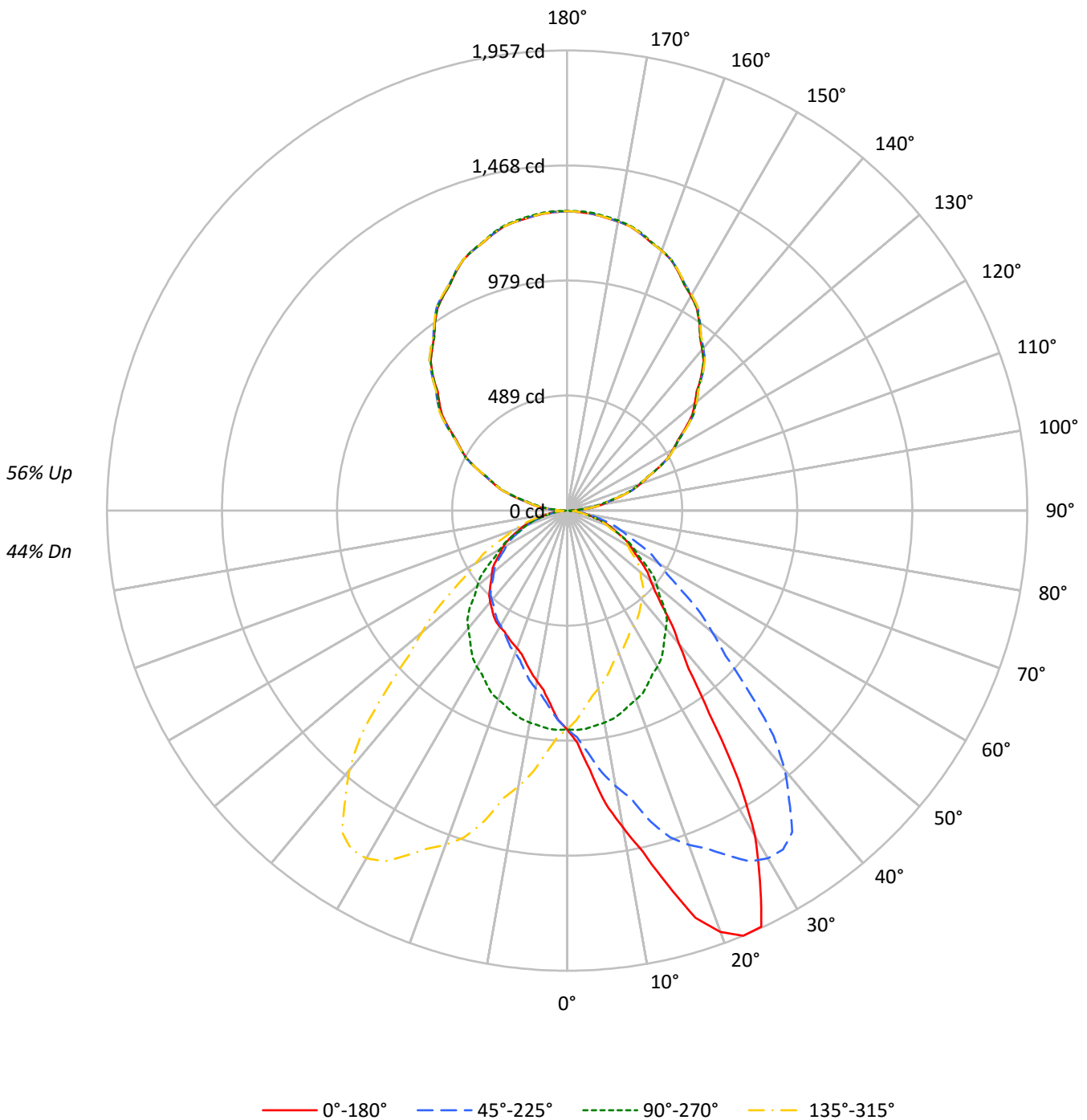
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	85	88	85	82	79	71	68	66	57	56	55	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	81	71	64	59	74	66	60	55	55	50	47	45	42	39	36	34	32	27
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	27	24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	11943	10057	8912	10057
10°	14948	10006	8050	10006
15°	18333	9926	7494	9926
20°	21841	9800	7135	9800
25°	23192	9647	7056	9647
30°	19877	9536	7093	9536
35°	13825	9376	7167	9376
40°	10413	9190	7144	9190
45°	8645	8914	7054	8914
50°	7743	8348	6990	8348
55°	7240	7739	6902	7739
60°	6794	7102	6833	7102
65°	6383	6477	6612	6477
70°	5986	5759	6297	5759
75°	5361	5041	5772	5041
80°	4699	4135	4971	4135
85°	3680	3013	3335	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.4
10°-20°	293.9	4.6
20°-30°	493.2	7.8
30°-40°	558.5	8.8
40°-50°	500.8	7.9
50°-60°	404.1	6.4
60°-70°	281.6	4.4
70°-80°	148.0	2.3
80°-90°	40.0	0.6
90°-100°	83.0	1.3
100°-110°	248.3	3.9
110°-120°	422.3	6.7
120°-130°	555.5	8.8
130°-140°	624.4	9.8
140°-150°	613.8	9.7
150°-160°	516.7	8.1
160°-170°	343.9	5.4
170°-180°	120.4	1.9
0°-30°	878.7	13.9
0°-40°	1437.2	22.7
0°-60°	2342.1	36.9
0°-90°	2811.7	44.3
90°-120°	753.6	11.9
90°-150°	2547.3	40.2
90°-180°	3528.0	55.6
0°-180°	6340.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	1105	931	825	931	1105	115
15°	1645	891	672	891	1645	475
25°	1953	812	594	812	1953	856
35°	1052	714	545	714	1052	684
45°	568	586	463	586	568	449
55°	386	412	368	412	386	346
65°	251	254	260	254	251	250
75°	129	121	139	121	129	138
85°	30	24	27	24	30	36
90°	30	1	30	1	30	16
95°	78	59	78	59	78	80
105°	238	225	238	225	238	253
115°	426	425	426	425	426	422
125°	615	622	615	622	615	550
135°	806	807	806	807	806	620
145°	979	979	979	979	979	611
155°	1119	1122	1119	1122	1119	515
165°	1218	1222	1218	1222	1218	343
175°	1266	1270	1266	1270	1266	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	987.3	986.6	984.8	986.3	983.3	979.4	979.0	975.4	964.9	964.2	961.4
5°	1105.3	1101.6	1101.2	1100.7	1094.4	1085.9	1069.6	1068.2	1046.6	1035.8	1022.8
7.5°	1257.9	1259.8	1253.3	1247.5	1228.2	1215.5	1198.1	1175.8	1149.3	1122.3	1104.3
10°	1367.6	1382.4	1364.0	1351.3	1339.6	1317.5	1291.8	1259.8	1227.9	1190.4	1162.0
12.5°	1485.1	1492.5	1488.8	1476.9	1458.6	1425.0	1379.5	1344.2	1314.7	1252.4	1227.3
15°	1645.2	1672.8	1655.2	1614.5	1615.5	1583.5	1524.0	1458.6	1423.9	1369.3	1295.0
17.5°	1815.8	1819.2	1811.7	1778.0	1755.4	1711.4	1656.5	1593.9	1523.5	1457.5	1378.6
20°	1906.7	1903.9	1888.2	1870.6	1831.9	1797.6	1737.7	1667.8	1577.6	1512.7	1426.6
22.5°	1957.1	1952.7	1945.2	1930.4	1898.2	1861.4	1807.6	1731.2	1645.5	1556.0	1456.6
25°	1952.7	1958.5	1959.4	1955.3	1944.1	1922.0	1879.6	1818.8	1733.1	1618.2	1514.5
27.5°	1776.0	1784.3	1808.4	1829.7	1853.6	1877.9	1874.7	1844.4	1781.1	1681.9	1555.1
30°	1599.2	1581.2	1625.8	1682.2	1720.5	1788.1	1826.0	1828.2	1792.6	1707.4	1583.9
32.5°	1354.0	1373.9	1393.6	1462.9	1546.7	1622.6	1698.0	1758.7	1765.6	1708.9	1600.9
35°	1052.1	1076.9	1112.9	1148.9	1239.2	1316.6	1449.1	1564.5	1656.5	1668.7	1602.4
37.5°	847.7	860.1	882.9	918.9	977.9	1069.9	1172.4	1318.3	1451.5	1550.6	1554.9
40°	741.1	744.7	770.3	797.8	845.6	921.4	1013.7	1142.6	1302.2	1440.6	1498.3
42.5°	661.0	668.9	679.8	706.2	744.2	801.2	887.2	993.7	1140.0	1299.2	1412.1
45°	567.9	577.0	583.8	601.3	628.4	666.7	726.6	824.0	935.3	1099.8	1251.7
47.5°	506.4	507.2	512.2	525.5	543.9	572.7	615.0	677.6	779.8	913.2	1069.2
50°	462.4	469.7	471.5	481.8	496.3	517.5	552.6	605.8	689.7	806.8	950.2
52.5°	431.4	433.6	438.7	446.2	458.7	475.3	505.8	547.4	613.2	713.1	844.9
55°	385.8	385.8	390.8	396.7	403.9	418.7	439.0	469.7	519.7	597.3	706.4
57.5°	343.6	345.9	349.4	351.2	357.3	367.2	384.1	407.4	444.7	504.4	591.1
60°	315.6	319.6	319.2	322.7	328.1	335.8	350.3	369.2	402.5	450.3	523.3
62.5°	291.0	290.8	290.7	295.0	300.4	307.7	317.0	333.5	361.8	404.2	466.3
65°	250.6	249.7	252.9	255.5	257.4	262.8	270.0	284.4	303.3	334.9	383.1
67.5°	214.7	212.2	213.9	214.7	217.8	222.1	228.8	237.7	252.8	278.1	314.4
70°	190.2	188.0	187.5	188.4	191.1	194.2	199.2	207.8	221.8	242.0	268.6
72.5°	165.0	163.4	163.3	165.3	166.6	168.7	172.2	180.0	191.1	206.4	231.2
75°	128.9	128.9	128.9	129.3	130.7	132.5	135.3	139.3	147.8	158.7	175.3
77.5°	96.6	96.5	96.0	95.9	97.9	98.8	99.4	103.1	107.9	115.2	127.3
80°	75.8	73.4	74.4	75.8	76.6	77.1	78.4	79.3	83.4	87.5	96.0
82.5°	56.2	54.3	54.5	56.7	56.8	57.3	58.6	59.8	61.4	65.1	69.7
85°	29.8	29.8	30.2	30.2	30.7	30.2	31.5	32.0	32.0	34.3	36.9
87.5°	16.8	16.0	16.3	16.5	16.1	16.4	16.5	16.7	16.9	17.0	16.9
90°	30.0	29.5	29.1	28.7	28.2	27.6	26.7	25.8	24.9	24.0	21.1
92.5°	40.4	40.6	41.0	41.2	41.5	41.2	40.6	39.9	39.1	38.4	36.8
95°	78.0	78.0	78.0	78.0	78.0	77.6	76.7	75.8	74.9	74.0	72.2
97.5°	120.0	120.1	120.2	120.3	120.4	119.9	118.9	117.9	116.8	115.8	114.5
100°	152.1	151.6	151.2	150.8	150.2	149.7	149.0	148.4	147.7	147.1	145.9
102.5°	184.9	184.9	185.0	185.1	185.2	184.9	184.3	183.6	183.0	182.3	180.8
105°	238.1	237.6	237.2	236.8	236.3	236.1	236.1	236.1	236.1	236.1	234.1
107.5°	293.5	293.8	294.0	294.3	294.5	294.4	293.7	292.9	292.2	291.5	290.7
110°	331.1	331.6	332.0	332.4	332.9	332.7	331.8	330.9	330.0	329.2	328.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	371.2	371.3	371.3	371.4	371.5	371.0	370.0	368.9	367.8	366.7	366.6
115°	426.2	426.4	426.6	426.8	427.1	427.1	426.8	426.6	426.4	426.2	426.6
117.5°	482.0	482.6	483.2	483.9	484.5	484.8	484.8	484.9	484.9	485.0	485.6
120°	521.2	521.7	522.1	522.5	523.0	523.3	523.6	523.7	524.0	524.2	525.3
122.5°	558.8	559.4	560.1	560.7	561.3	561.9	562.5	563.1	563.6	564.2	564.8
125°	615.3	616.1	617.0	617.9	618.8	619.7	620.6	621.5	622.3	623.3	623.7
127.5°	671.5	672.4	673.5	674.5	675.5	676.7	678.0	679.2	680.4	681.7	682.2
130°	708.3	709.8	711.4	712.9	714.5	715.7	716.6	717.5	718.4	719.3	720.0
132.5°	746.7	747.9	749.1	750.3	751.5	752.6	753.7	754.8	755.8	756.9	757.3
135°	806.3	806.8	807.2	807.6	808.0	808.7	809.6	810.5	811.4	812.3	812.5
137.5°	858.9	859.8	860.7	861.4	862.3	863.2	864.1	865.0	866.0	866.9	866.3
140°	893.4	894.9	896.5	898.0	899.6	900.4	900.7	900.9	901.1	901.4	901.1
142.5°	928.6	929.8	930.9	932.1	933.3	934.1	934.3	934.5	934.7	935.0	934.5
145°	979.4	980.2	981.1	982.1	982.9	983.5	983.7	984.0	984.1	984.4	983.7
147.5°	1024.6	1025.9	1027.3	1028.6	1029.9	1030.6	1030.6	1030.6	1030.6	1030.6	1029.9
150°	1053.4	1054.7	1056.1	1057.4	1058.8	1059.4	1059.4	1059.4	1059.4	1059.4	1058.9
152.5°	1081.4	1082.5	1083.7	1084.9	1086.1	1086.4	1086.1	1085.7	1085.4	1085.0	1084.8
155°	1119.4	1121.0	1122.6	1124.1	1125.7	1126.0	1125.1	1124.2	1123.3	1122.4	1122.2
157.5°	1154.0	1155.3	1156.5	1157.8	1159.0	1159.2	1158.2	1157.3	1156.4	1155.5	1155.3
160°	1176.5	1177.3	1178.2	1179.1	1180.0	1179.9	1178.8	1177.7	1176.6	1175.4	1175.4
162.5°	1193.3	1194.6	1196.1	1197.5	1198.9	1199.1	1198.0	1196.9	1195.8	1194.6	1194.5
165°	1217.5	1219.0	1220.6	1222.1	1223.7	1223.8	1222.4	1221.2	1219.8	1218.5	1218.5
167.5°	1238.0	1239.4	1240.8	1242.2	1243.5	1243.5	1242.2	1240.8	1239.4	1238.0	1237.9
170°	1248.4	1250.0	1251.5	1253.2	1254.7	1254.7	1253.2	1251.5	1250.0	1248.4	1248.4
172.5°	1256.5	1258.0	1259.6	1261.1	1262.7	1262.8	1261.5	1260.1	1258.7	1257.3	1257.3
175°	1265.5	1267.0	1268.6	1270.1	1271.7	1271.8	1270.5	1269.1	1267.8	1266.4	1266.4
177.5°	1270.3	1271.5	1272.7	1274.0	1275.2	1275.3	1274.3	1273.2	1272.1	1271.1	1271.1
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	959.2	956.3	953.4	948.4	944.1	937.9	936.1	933.9	927.5	921.7	917.4
5°	1017.8	1006.9	991.2	976.8	965.1	949.3	940.3	930.8	917.3	905.1	895.2
7.5°	1079.1	1057.8	1033.3	1006.8	982.1	958.3	939.1	922.0	903.0	885.1	871.2
10°	1127.7	1097.1	1062.9	1025.9	994.4	963.7	938.0	915.5	891.1	870.0	852.4
12.5°	1183.3	1137.9	1090.6	1045.8	1008.4	965.9	934.8	906.1	878.5	853.0	833.3
15°	1249.1	1191.4	1135.4	1073.7	1016.9	963.7	926.8	890.7	858.7	832.5	807.3
17.5°	1308.9	1243.5	1169.8	1094.8	1026.2	963.2	911.5	870.6	830.6	798.7	773.5
20°	1342.8	1268.4	1185.0	1107.1	1031.3	961.0	904.2	855.5	812.3	778.4	750.0
22.5°	1372.0	1285.0	1198.7	1115.3	1031.0	955.2	890.9	840.8	793.8	760.8	730.6
25°	1402.3	1298.1	1211.6	1113.8	1019.6	941.2	869.0	812.3	765.3	726.6	695.5
27.5°	1428.2	1297.3	1194.6	1089.3	1001.8	923.2	846.1	785.2	735.5	693.4	661.8
30°	1445.5	1299.1	1176.9	1072.8	984.5	903.3	828.5	767.2	714.9	672.1	642.3
32.5°	1456.4	1298.0	1160.7	1049.7	957.0	885.3	809.3	745.9	692.2	650.1	621.4
35°	1462.7	1290.0	1132.7	1002.0	912.7	842.9	779.4	713.5	657.2	617.9	585.6
37.5°	1450.1	1273.3	1100.3	956.1	858.3	789.5	736.1	680.0	626.1	582.9	555.0
40°	1430.2	1262.6	1075.0	923.6	820.8	754.6	709.0	654.0	600.8	559.8	533.6
42.5°	1392.3	1240.5	1047.2	887.5	781.9	715.6	673.7	627.8	577.4	538.9	512.8
45°	1299.9	1192.7	1005.6	833.4	724.4	655.8	618.9	585.6	540.0	502.6	480.0
47.5°	1171.7	1120.7	945.4	776.4	664.3	598.4	560.0	533.1	499.9	469.7	448.1
50°	1082.7	1061.5	904.7	737.4	624.3	559.8	522.9	498.5	474.7	444.4	424.6
52.5°	979.9	993.0	857.0	697.1	583.5	520.1	485.3	466.1	444.4	419.6	402.3
55°	835.3	882.5	774.8	629.2	522.9	462.4	429.6	412.4	399.8	381.3	366.4
57.5°	699.7	760.0	686.0	559.4	463.3	411.2	379.6	360.9	352.8	343.2	331.5
60°	619.3	678.8	622.5	512.5	423.3	373.7	345.7	329.9	321.8	315.0	305.1
62.5°	547.6	607.8	560.4	464.9	383.9	337.9	313.7	298.3	291.9	288.3	279.9
65°	448.9	500.8	469.2	390.8	327.7	287.1	265.0	254.3	248.4	247.0	241.6
67.5°	365.4	404.8	381.9	324.2	274.5	239.4	220.7	211.5	207.0	206.6	202.5
70°	310.6	347.5	329.9	277.7	234.9	207.3	191.1	183.0	180.3	179.9	177.6
72.5°	268.0	293.8	279.8	236.2	203.1	178.1	166.3	157.7	154.7	155.3	153.8
75°	198.3	217.7	209.6	179.4	152.8	136.6	126.7	121.2	118.6	119.9	118.1
77.5°	142.7	155.0	147.7	126.7	110.4	98.6	91.4	88.0	85.6	85.5	84.6
80°	107.7	114.9	110.9	98.2	84.7	74.8	69.0	66.7	65.3	64.9	64.5
82.5°	76.7	82.8	78.1	69.4	60.2	54.2	51.0	48.0	47.0	47.3	46.8
85°	38.7	41.0	39.2	33.8	30.2	27.5	25.7	24.4	23.4	23.8	23.0
87.5°	17.0	16.8	15.2	13.2	12.0	10.5	10.0	8.9	8.6	9.0	9.1
90°	18.3	15.3	12.5	9.9	7.7	5.4	3.2	1.0	3.2	5.4	7.7
92.5°	35.1	33.5	31.9	30.2	28.8	27.2	25.7	24.2	25.7	27.2	28.8
95°	70.4	68.7	66.9	65.3	63.7	62.2	60.6	59.1	60.6	62.2	63.7
97.5°	113.3	112.0	110.7	109.4	108.3	107.2	106.0	104.9	106.0	107.2	108.3
100°	144.8	143.7	142.6	141.4	140.1	138.7	137.4	136.0	137.4	138.7	140.1
102.5°	179.3	177.9	176.4	175.3	174.4	173.7	172.9	172.0	172.9	173.7	174.4
105°	232.1	230.1	228.1	226.9	226.4	226.0	225.5	225.1	225.5	226.0	226.4
107.5°	289.9	289.1	288.3	287.7	287.5	287.2	287.0	286.7	287.0	287.2	287.5
110°	328.2	327.8	327.4	326.9	326.5	326.0	325.5	325.1	325.5	326.0	326.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	366.5	366.4	366.4	366.2	365.9	365.7	365.4	365.2	365.4	365.7	365.9
115°	427.1	427.5	427.9	427.8	427.1	426.5	425.9	425.2	425.9	426.5	427.1
117.5°	486.1	486.7	487.3	487.3	486.9	486.5	486.0	485.6	486.0	486.5	486.9
120°	526.4	527.5	528.7	528.6	527.2	525.9	524.5	523.2	524.5	525.9	527.2
122.5°	565.3	565.9	566.5	566.4	565.3	564.4	563.4	562.4	563.4	564.4	565.3
125°	624.1	624.6	625.0	624.9	624.2	623.5	622.9	622.2	622.9	623.5	624.2
127.5°	682.6	683.1	683.6	683.1	681.7	680.3	678.9	677.4	678.9	680.3	681.7
130°	720.6	721.3	721.9	721.3	719.6	717.8	716.0	714.3	716.0	717.8	719.6
132.5°	757.9	758.4	758.9	758.2	756.4	754.7	752.9	751.1	752.9	754.7	756.4
135°	812.8	813.0	813.2	812.6	811.3	809.9	808.7	807.3	808.7	809.9	811.3
137.5°	865.7	865.2	864.6	863.8	862.6	861.5	860.4	859.4	860.4	861.5	862.6
140°	900.9	900.7	900.4	899.7	898.7	897.6	896.5	895.4	896.5	897.6	898.7
142.5°	934.2	933.8	933.3	932.6	931.5	930.4	929.3	928.2	929.3	930.4	931.5
145°	983.0	982.4	981.7	981.1	980.7	980.2	979.8	979.4	979.8	980.2	980.7
147.5°	1029.3	1028.7	1028.1	1027.4	1026.6	1025.8	1025.0	1024.2	1025.0	1025.8	1026.6
150°	1058.5	1058.1	1057.7	1057.2	1056.7	1056.3	1055.8	1055.4	1055.8	1056.3	1056.7
152.5°	1084.5	1084.2	1083.9	1083.5	1082.9	1082.3	1081.7	1081.0	1081.7	1082.3	1082.9
155°	1122.0	1121.8	1121.5	1121.5	1121.5	1121.5	1121.5	1121.5	1121.5	1121.5	1121.5
157.5°	1155.1	1154.9	1154.7	1154.8	1155.0	1155.3	1155.5	1155.8	1155.5	1155.3	1155.0
160°	1175.4	1175.4	1175.4	1175.7	1176.1	1176.6	1177.0	1177.4	1177.0	1176.6	1176.1
162.5°	1194.3	1194.1	1193.9	1194.2	1194.8	1195.4	1196.0	1196.6	1196.0	1195.4	1194.8
165°	1218.5	1218.5	1218.5	1218.8	1219.4	1220.1	1220.8	1221.5	1220.8	1220.1	1219.4
167.5°	1237.7	1237.5	1237.3	1237.7	1238.6	1239.5	1240.4	1241.3	1240.4	1239.5	1238.6
170°	1248.4	1248.4	1248.4	1248.9	1249.8	1250.7	1251.5	1252.5	1251.5	1250.7	1249.8
172.5°	1257.3	1257.3	1257.3	1257.7	1258.6	1259.5	1260.4	1261.3	1260.4	1259.5	1258.6
175°	1266.4	1266.4	1266.4	1267.0	1267.8	1268.7	1269.6	1270.5	1269.6	1268.7	1267.8
177.5°	1271.1	1271.1	1271.1	1271.4	1272.1	1272.9	1273.6	1274.3	1273.6	1272.9	1272.1
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	914.8	912.3	908.7	903.3	899.0	892.1	892.1	893.2	893.2	892.9	892.1
5°	887.1	880.3	872.2	862.7	852.8	842.9	841.1	837.5	834.8	833.0	830.7
7.5°	857.8	845.8	834.0	820.7	808.7	798.7	791.7	785.9	782.2	778.3	775.4
10°	837.9	823.0	809.1	795.1	779.8	767.7	760.0	754.6	750.5	746.9	745.1
12.5°	814.5	797.5	782.0	768.8	752.0	739.5	732.2	729.7	724.9	717.3	713.3
15°	780.2	764.5	746.0	725.7	717.6	702.2	693.7	689.7	686.9	681.1	679.2
17.5°	751.0	730.3	709.6	694.4	679.3	666.9	662.1	657.1	653.5	648.7	647.3
20°	727.5	709.0	690.1	673.9	658.1	644.5	640.5	636.9	633.3	631.0	629.2
22.5°	703.7	685.3	669.5	654.4	637.6	628.7	624.3	620.4	617.8	616.3	614.5
25°	670.3	654.0	636.5	622.9	609.4	603.6	600.8	598.6	596.8	594.5	594.1
27.5°	640.3	622.7	608.4	595.8	586.1	581.2	578.6	577.5	577.9	578.7	579.2
30°	617.9	601.8	590.0	579.2	570.2	565.7	565.2	565.2	567.1	567.5	568.4
32.5°	597.4	584.1	572.4	561.9	555.1	552.0	553.7	553.7	555.2	556.3	557.9
35°	567.5	555.8	546.7	537.8	531.9	533.2	534.2	535.0	537.3	540.0	541.8
37.5°	538.9	528.7	519.4	512.3	509.6	512.0	514.2	516.1	518.8	520.8	522.6
40°	518.3	510.7	501.7	495.3	496.3	497.7	499.5	501.7	503.9	505.3	507.1
42.5°	499.2	491.2	484.4	479.1	480.4	482.2	483.2	484.4	487.0	489.4	490.5
45°	470.1	463.8	457.5	454.3	455.3	456.2	457.0	458.4	460.6	462.4	463.0
47.5°	437.4	433.0	428.8	425.7	427.1	426.8	427.9	430.8	431.5	432.7	435.1
50°	416.5	412.4	407.5	406.6	406.6	406.6	407.0	410.6	410.6	412.4	414.2
52.5°	393.4	390.8	387.6	386.0	385.3	385.3	387.2	389.0	389.7	392.3	394.1
55°	359.2	356.5	353.9	352.5	351.5	352.5	356.1	357.0	359.2	360.6	362.0
57.5°	323.6	321.6	319.4	318.7	318.5	319.7	321.7	324.3	324.9	329.1	331.1
60°	300.2	297.0	295.2	295.2	294.4	298.4	297.5	302.0	302.9	305.6	308.8
62.5°	276.0	271.8	271.0	271.0	272.3	273.5	274.7	276.7	279.1	282.5	285.0
65°	237.1	234.9	238.0	237.5	236.6	239.4	239.4	241.6	244.3	247.5	252.4
67.5°	200.2	199.1	199.3	199.3	200.7	202.2	203.5	205.4	208.7	212.1	215.2
70°	175.3	176.7	174.4	176.2	177.6	178.1	178.9	181.7	185.3	187.5	191.1
72.5°	151.2	151.1	151.4	152.1	153.4	154.2	155.2	158.3	162.2	164.1	166.9
75°	116.3	115.8	117.2	117.2	119.4	120.4	121.2	122.6	126.2	128.9	131.1
77.5°	84.9	85.5	85.2	86.7	86.1	86.3	89.0	90.4	90.7	96.1	97.3
80°	64.0	64.9	65.3	65.8	66.3	65.3	68.5	69.8	69.8	73.0	75.3
82.5°	46.0	46.5	47.7	48.1	48.2	49.2	49.4	50.4	51.5	52.9	55.8
85°	23.0	24.4	24.8	24.4	24.8	23.8	25.2	25.7	26.2	26.2	26.2
87.5°	9.2	10.1	10.2	11.2	11.5	12.4	12.6	12.0	12.2	13.4	12.1
90°	9.9	12.5	15.3	18.3	21.1	24.0	24.9	25.8	26.7	27.6	28.2
92.5°	30.2	31.9	33.5	35.1	36.8	38.4	39.1	39.9	40.6	41.2	41.5
95°	65.3	66.9	68.7	70.4	72.2	74.0	74.9	75.8	76.7	77.6	78.0
97.5°	109.4	110.7	112.0	113.3	114.5	115.8	116.8	117.9	118.9	119.9	120.4
100°	141.4	142.6	143.7	144.8	145.9	147.1	147.7	148.4	149.0	149.7	150.2
102.5°	175.3	176.4	177.9	179.3	180.8	182.3	183.0	183.6	184.3	184.9	185.2
105°	226.9	228.1	230.1	232.1	234.1	236.1	236.1	236.1	236.1	236.1	236.3
107.5°	287.7	288.3	289.1	289.9	290.7	291.5	292.2	292.9	293.7	294.4	294.5
110°	326.9	327.4	327.8	328.2	328.6	329.2	330.0	330.9	331.8	332.7	332.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	366.2	366.4	366.4	366.5	366.6	366.7	367.8	368.9	370.0	371.0	371.5
115°	427.8	427.9	427.5	427.1	426.6	426.2	426.4	426.6	426.8	427.1	427.1
117.5°	487.3	487.3	486.7	486.1	485.6	485.0	484.9	484.9	484.8	484.8	484.5
120°	528.6	528.7	527.5	526.4	525.3	524.2	524.0	523.7	523.6	523.3	523.0
122.5°	566.4	566.5	565.9	565.3	564.8	564.2	563.6	563.1	562.5	561.9	561.3
125°	624.9	625.0	624.6	624.1	623.7	623.3	622.3	621.5	620.6	619.7	618.8
127.5°	683.1	683.6	683.1	682.6	682.2	681.7	680.4	679.2	678.0	676.7	675.5
130°	721.3	721.9	721.3	720.6	720.0	719.3	718.4	717.5	716.6	715.7	714.5
132.5°	758.2	758.9	758.4	757.9	757.3	756.9	755.8	754.8	753.7	752.6	751.5
135°	812.6	813.2	813.0	812.8	812.5	812.3	811.4	810.5	809.6	808.7	808.0
137.5°	863.8	864.6	865.2	865.7	866.3	866.9	866.0	865.0	864.1	863.2	862.3
140°	899.7	900.4	900.7	900.9	901.1	901.4	901.1	900.9	900.7	900.4	899.6
142.5°	932.6	933.3	933.8	934.2	934.5	935.0	934.7	934.5	934.3	934.1	933.3
145°	981.1	981.7	982.4	983.0	983.7	984.4	984.1	984.0	983.7	983.5	982.9
147.5°	1027.4	1028.1	1028.7	1029.3	1029.9	1030.6	1030.6	1030.6	1030.6	1030.6	1029.9
150°	1057.2	1057.7	1058.1	1058.5	1058.9	1059.4	1059.4	1059.4	1059.4	1059.4	1058.8
152.5°	1083.5	1083.9	1084.2	1084.5	1084.8	1085.0	1085.4	1085.7	1086.1	1086.4	1086.1
155°	1121.5	1121.5	1121.8	1122.0	1122.2	1122.4	1123.3	1124.2	1125.1	1126.0	1125.7
157.5°	1154.8	1154.7	1154.9	1155.1	1155.3	1155.5	1156.4	1157.3	1158.2	1159.2	1159.0
160°	1175.7	1175.4	1175.4	1175.4	1175.4	1175.4	1176.6	1177.7	1178.8	1179.9	1180.0
162.5°	1194.2	1193.9	1194.1	1194.3	1194.5	1194.6	1195.8	1196.9	1198.0	1199.1	1198.9
165°	1218.8	1218.5	1218.5	1218.5	1218.5	1218.5	1219.8	1221.2	1222.4	1223.8	1223.7
167.5°	1237.7	1237.3	1237.5	1237.7	1237.9	1238.0	1239.4	1240.8	1242.2	1243.5	1243.5
170°	1248.9	1248.4	1248.4	1248.4	1248.4	1248.4	1250.0	1251.5	1253.2	1254.7	1254.7
172.5°	1257.7	1257.3	1257.3	1257.3	1257.3	1257.3	1258.7	1260.1	1261.5	1262.8	1262.7
175°	1267.0	1266.4	1266.4	1266.4	1266.4	1266.4	1267.8	1269.1	1270.5	1271.8	1271.7
177.5°	1271.4	1271.1	1271.1	1271.1	1271.1	1271.1	1272.1	1273.2	1274.3	1275.3	1275.2
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5



TEST NUMBER: P331992-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	889.6	889.2	891.7	889.9	891.7	889.2	889.6	892.1	892.9	893.2	893.2
5°	828.0	829.4	824.8	824.8	824.8	829.4	828.0	830.7	833.0	834.8	837.5
7.5°	773.2	771.2	771.4	769.0	771.4	771.2	773.2	775.4	778.3	782.2	785.9
10°	739.7	737.0	736.1	736.5	736.1	737.0	739.7	745.1	746.9	750.5	754.6
12.5°	711.9	711.4	705.4	705.5	705.4	711.4	711.9	713.3	717.3	724.9	729.7
15°	679.2	670.7	669.8	672.5	669.8	670.7	679.2	679.2	681.1	686.9	689.7
17.5°	646.5	642.0	642.3	640.9	642.3	642.0	646.5	647.3	648.7	653.5	657.1
20°	629.2	626.5	626.1	622.9	626.1	626.5	629.2	629.2	631.0	633.3	636.9
22.5°	613.4	612.5	612.8	609.2	612.8	612.5	613.4	614.5	616.3	617.8	620.4
25°	593.7	595.9	594.1	594.1	594.1	595.9	593.7	594.1	594.5	596.8	598.6
27.5°	580.3	580.2	579.3	579.3	579.3	580.2	580.3	579.2	578.7	577.9	577.5
30°	570.2	569.7	570.7	570.7	570.7	569.7	570.2	568.4	567.5	567.1	565.2
32.5°	560.1	560.8	560.9	561.3	560.9	560.8	560.1	557.9	556.3	555.2	553.7
35°	544.5	544.9	546.3	545.4	546.3	544.9	544.5	541.8	540.0	537.3	535.0
37.5°	523.4	525.5	525.0	525.7	525.0	525.5	523.4	522.6	520.8	518.8	516.1
40°	507.6	508.9	508.4	508.4	508.4	508.9	507.6	507.1	505.3	503.9	501.7
42.5°	491.3	492.3	491.1	490.4	491.1	492.3	491.3	490.5	489.4	487.0	484.4
45°	464.7	463.8	465.2	463.4	465.2	463.8	464.7	463.0	462.4	460.6	458.4
47.5°	435.0	435.8	436.3	437.6	436.3	435.8	435.0	435.1	432.7	431.5	430.8
50°	415.2	417.8	417.8	417.4	417.8	417.8	415.2	414.2	412.4	410.6	410.6
52.5°	395.6	396.9	398.7	398.6	398.7	396.9	395.6	394.1	392.3	389.7	389.0
55°	365.6	366.4	367.4	367.8	367.4	366.4	365.6	362.0	360.6	359.2	357.0
57.5°	334.3	334.0	336.1	336.8	336.1	334.0	334.3	331.1	329.1	324.9	324.3
60°	312.4	312.4	316.0	317.4	316.0	312.4	312.4	308.8	305.6	302.9	302.0
62.5°	289.0	290.4	293.9	292.1	293.9	290.4	289.0	285.0	282.5	279.1	276.7
65°	254.7	258.3	257.9	259.6	257.9	258.3	254.7	252.4	247.5	244.3	241.6
67.5°	218.9	221.1	224.4	224.6	224.4	221.1	218.9	215.2	212.1	208.7	205.4
70°	194.8	197.0	198.8	200.1	198.8	197.0	194.8	191.1	187.5	185.3	181.7
72.5°	171.3	172.5	176.8	174.9	176.8	172.5	171.3	166.9	164.1	162.2	158.3
75°	134.3	137.5	140.2	138.8	140.2	137.5	134.3	131.1	128.9	126.2	122.6
77.5°	99.4	102.5	103.8	102.6	103.8	102.5	99.4	97.3	96.1	90.7	90.4
80°	78.4	78.0	80.7	80.2	80.7	78.0	78.4	75.3	73.0	69.8	69.8
82.5°	57.5	57.1	58.3	58.6	58.3	57.1	57.5	55.8	52.9	51.5	50.4
85°	28.0	29.3	27.5	27.0	27.5	29.3	28.0	26.2	26.2	26.2	25.7
87.5°	12.2	12.3	12.1	11.8	12.1	12.3	12.2	12.1	13.4	12.2	12.0
90°	28.7	29.1	29.5	30.0	29.5	29.1	28.7	28.2	27.6	26.7	25.8
92.5°	41.2	41.0	40.6	40.4	40.6	41.0	41.2	41.5	41.2	40.6	39.9
95°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	77.6	76.7	75.8
97.5°	120.3	120.2	120.1	120.0	120.1	120.2	120.3	120.4	119.9	118.9	117.9
100°	150.8	151.2	151.6	152.1	151.6	151.2	150.8	150.2	149.7	149.0	148.4
102.5°	185.1	185.0	184.9	184.9	184.9	185.0	185.1	185.2	184.9	184.3	183.6
105°	236.8	237.2	237.6	238.1	237.6	237.2	236.8	236.3	236.1	236.1	236.1
107.5°	294.3	294.0	293.8	293.5	293.8	294.0	294.3	294.5	294.4	293.7	292.9
110°	332.4	332.0	331.6	331.1	331.6	332.0	332.4	332.9	332.7	331.8	330.9



TEST NUMBER: P331992-935

CATALOG NUMBER: S123DIP-S775D1195U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	371.4	371.3	371.3	371.2	371.3	371.3	371.4	371.5	371.0	370.0	368.9
115°	426.8	426.6	426.4	426.2	426.4	426.6	426.8	427.1	427.1	426.8	426.6
117.5°	483.9	483.2	482.6	482.0	482.6	483.2	483.9	484.5	484.8	484.8	484.9
120°	522.5	522.1	521.7	521.2	521.7	522.1	522.5	523.0	523.3	523.6	523.7
122.5°	560.7	560.1	559.4	558.8	559.4	560.1	560.7	561.3	561.9	562.5	563.1
125°	617.9	617.0	616.1	615.3	616.1	617.0	617.9	618.8	619.7	620.6	621.5
127.5°	674.5	673.5	672.4	671.5	672.4	673.5	674.5	675.5	676.7	678.0	679.2
130°	712.9	711.4	709.8	708.3	709.8	711.4	712.9	714.5	715.7	716.6	717.5
132.5°	750.3	749.1	747.9	746.7	747.9	749.1	750.3	751.5	752.6	753.7	754.8
135°	807.6	807.2	806.8	806.3	806.8	807.2	807.6	808.0	808.7	809.6	810.5
137.5°	861.4	860.7	859.8	858.9	859.8	860.7	861.4	862.3	863.2	864.1	865.0
140°	898.0	896.5	894.9	893.4	894.9	896.5	898.0	899.6	900.4	900.7	900.9
142.5°	932.1	930.9	929.8	928.6	929.8	930.9	932.1	933.3	934.1	934.3	934.5
145°	982.1	981.1	980.2	979.4	980.2	981.1	982.1	982.9	983.5	983.7	984.0
147.5°	1028.6	1027.3	1025.9	1024.6	1025.9	1027.3	1028.6	1029.9	1030.6	1030.6	1030.6
150°	1057.4	1056.1	1054.7	1053.4	1054.7	1056.1	1057.4	1058.8	1059.4	1059.4	1059.4
152.5°	1084.9	1083.7	1082.5	1081.4	1082.5	1083.7	1084.9	1086.1	1086.4	1086.1	1085.7
155°	1124.1	1122.6	1121.0	1119.4	1121.0	1122.6	1124.1	1125.7	1126.0	1125.1	1124.2
157.5°	1157.8	1156.5	1155.3	1154.0	1155.3	1156.5	1157.8	1159.0	1159.2	1158.2	1157.3
160°	1179.1	1178.2	1177.3	1176.5	1177.3	1178.2	1179.1	1180.0	1179.9	1178.8	1177.7
162.5°	1197.5	1196.1	1194.6	1193.3	1194.6	1196.1	1197.5	1198.9	1199.1	1198.0	1196.9
165°	1222.1	1220.6	1219.0	1217.5	1219.0	1220.6	1222.1	1223.7	1223.8	1222.4	1221.2
167.5°	1242.2	1240.8	1239.4	1238.0	1239.4	1240.8	1242.2	1243.5	1243.5	1242.2	1240.8
170°	1253.2	1251.5	1250.0	1248.4	1250.0	1251.5	1253.2	1254.7	1254.7	1253.2	1251.5
172.5°	1261.1	1259.6	1258.0	1256.5	1258.0	1259.6	1261.1	1262.7	1262.8	1261.5	1260.1
175°	1270.1	1268.6	1267.0	1265.5	1267.0	1268.6	1270.1	1271.7	1271.8	1270.5	1269.1
177.5°	1274.0	1272.7	1271.5	1270.3	1271.5	1272.7	1274.0	1275.2	1275.3	1274.3	1273.2
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5



TEST NUMBER: P331992-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	892.1	892.1	899.0	903.3	908.7	912.3	914.8	917.4	921.7	927.5	933.9
5°	841.1	842.9	852.8	862.7	872.2	880.3	887.1	895.2	905.1	917.3	930.8
7.5°	791.7	798.7	808.7	820.7	834.0	845.8	857.8	871.2	885.1	903.0	922.0
10°	760.0	767.7	779.8	795.1	809.1	823.0	837.9	852.4	870.0	891.1	915.5
12.5°	732.2	739.5	752.0	768.8	782.0	797.5	814.5	833.3	853.0	878.5	906.1
15°	693.7	702.2	717.6	725.7	746.0	764.5	780.2	807.3	832.5	858.7	890.7
17.5°	662.1	666.9	679.3	694.4	709.6	730.3	751.0	773.5	798.7	830.6	870.6
20°	640.5	644.5	658.1	673.9	690.1	709.0	727.5	750.0	778.4	812.3	855.5
22.5°	624.3	628.7	637.6	654.4	669.5	685.3	703.7	730.6	760.8	793.8	840.8
25°	600.8	603.6	609.4	622.9	636.5	654.0	670.3	695.5	726.6	765.3	812.3
27.5°	578.6	581.2	586.1	595.8	608.4	622.7	640.3	661.8	693.4	735.5	785.2
30°	565.2	565.7	570.2	579.2	590.0	601.8	617.9	642.3	672.1	714.9	767.2
32.5°	553.7	552.0	555.1	561.9	572.4	584.1	597.4	621.4	650.1	692.2	745.9
35°	534.2	533.2	531.9	537.8	546.7	555.8	567.5	585.6	617.9	657.2	713.5
37.5°	514.2	512.0	509.6	512.3	519.4	528.7	538.9	555.0	582.9	626.1	680.0
40°	499.5	497.7	496.3	495.3	501.7	510.7	518.3	533.6	559.8	600.8	654.0
42.5°	483.2	482.2	480.4	479.1	484.4	491.2	499.2	512.8	538.9	577.4	627.8
45°	457.0	456.2	455.3	454.3	457.5	463.8	470.1	480.0	502.6	540.0	585.6
47.5°	427.9	426.8	427.1	425.7	428.8	433.0	437.4	448.1	469.7	499.9	533.1
50°	407.0	406.6	406.6	406.6	407.5	412.4	416.5	424.6	444.4	474.7	498.5
52.5°	387.2	385.3	385.3	386.0	387.6	390.8	393.4	402.3	419.6	444.4	466.1
55°	356.1	352.5	351.5	352.5	353.9	356.5	359.2	366.4	381.3	399.8	412.4
57.5°	321.7	319.7	318.5	318.7	319.4	321.6	323.6	331.5	343.2	352.8	360.9
60°	297.5	298.4	294.4	295.2	295.2	297.0	300.2	305.1	315.0	321.8	329.9
62.5°	274.7	273.5	272.3	271.0	271.0	271.8	276.0	279.9	288.3	291.9	298.3
65°	239.4	239.4	236.6	237.5	238.0	234.9	237.1	241.6	247.0	248.4	254.3
67.5°	203.5	202.2	200.7	199.3	199.3	199.1	200.2	202.5	206.6	207.0	211.5
70°	178.9	178.1	177.6	176.2	174.4	176.7	175.3	177.6	179.9	180.3	183.0
72.5°	155.2	154.2	153.4	152.1	151.4	151.1	151.2	153.8	155.3	154.7	157.7
75°	121.2	120.4	119.4	117.2	117.2	115.8	116.3	118.1	119.9	118.6	121.2
77.5°	89.0	86.3	86.1	86.7	85.2	85.5	84.9	84.6	85.5	85.6	88.0
80°	68.5	65.3	66.3	65.8	65.3	64.9	64.0	64.5	64.9	65.3	66.7
82.5°	49.4	49.2	48.2	48.1	47.7	46.5	46.0	46.8	47.3	47.0	48.0
85°	25.2	23.8	24.8	24.4	24.8	24.4	23.0	23.0	23.8	23.4	24.4
87.5°	12.6	12.4	11.5	11.2	10.2	10.1	9.2	9.1	9.0	8.6	8.9
90°	24.9	24.0	21.1	18.3	15.3	12.5	9.9	7.7	5.4	3.2	1.0
92.5°	39.1	38.4	36.8	35.1	33.5	31.9	30.2	28.8	27.2	25.7	24.2
95°	74.9	74.0	72.2	70.4	68.7	66.9	65.3	63.7	62.2	60.6	59.1
97.5°	116.8	115.8	114.5	113.3	112.0	110.7	109.4	108.3	107.2	106.0	104.9
100°	147.7	147.1	145.9	144.8	143.7	142.6	141.4	140.1	138.7	137.4	136.0
102.5°	183.0	182.3	180.8	179.3	177.9	176.4	175.3	174.4	173.7	172.9	172.0
105°	236.1	236.1	234.1	232.1	230.1	228.1	226.9	226.4	226.0	225.5	225.1
107.5°	292.2	291.5	290.7	289.9	289.1	288.3	287.7	287.5	287.2	287.0	286.7
110°	330.0	329.2	328.6	328.2	327.8	327.4	326.9	326.5	326.0	325.5	325.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	367.8	366.7	366.6	366.5	366.4	366.4	366.2	365.9	365.7	365.4	365.2
115°	426.4	426.2	426.6	427.1	427.5	427.9	427.8	427.1	426.5	425.9	425.2
117.5°	484.9	485.0	485.6	486.1	486.7	487.3	487.3	486.9	486.5	486.0	485.6
120°	524.0	524.2	525.3	526.4	527.5	528.7	528.6	527.2	525.9	524.5	523.2
122.5°	563.6	564.2	564.8	565.3	565.9	566.5	566.4	565.3	564.4	563.4	562.4
125°	622.3	623.3	623.7	624.1	624.6	625.0	624.9	624.2	623.5	622.9	622.2
127.5°	680.4	681.7	682.2	682.6	683.1	683.6	683.1	681.7	680.3	678.9	677.4
130°	718.4	719.3	720.0	720.6	721.3	721.9	721.3	719.6	717.8	716.0	714.3
132.5°	755.8	756.9	757.3	757.9	758.4	758.9	758.2	756.4	754.7	752.9	751.1
135°	811.4	812.3	812.5	812.8	813.0	813.2	812.6	811.3	809.9	808.7	807.3
137.5°	866.0	866.9	866.3	865.7	865.2	864.6	863.8	862.6	861.5	860.4	859.4
140°	901.1	901.4	901.1	900.9	900.7	900.4	899.7	898.7	897.6	896.5	895.4
142.5°	934.7	935.0	934.5	934.2	933.8	933.3	932.6	931.5	930.4	929.3	928.2
145°	984.1	984.4	983.7	983.0	982.4	981.7	981.1	980.7	980.2	979.8	979.4
147.5°	1030.6	1030.6	1029.9	1029.3	1028.7	1028.1	1027.4	1026.6	1025.8	1025.0	1024.2
150°	1059.4	1059.4	1058.9	1058.5	1058.1	1057.7	1057.2	1056.7	1056.3	1055.8	1055.4
152.5°	1085.4	1085.0	1084.8	1084.5	1084.2	1083.9	1083.5	1082.9	1082.3	1081.7	1081.0
155°	1123.3	1122.4	1122.2	1122.0	1121.8	1121.5	1121.5	1121.5	1121.5	1121.5	1121.5
157.5°	1156.4	1155.5	1155.3	1155.1	1154.9	1154.7	1154.8	1155.0	1155.3	1155.5	1155.8
160°	1176.6	1175.4	1175.4	1175.4	1175.4	1175.4	1175.7	1176.1	1176.6	1177.0	1177.4
162.5°	1195.8	1194.6	1194.5	1194.3	1194.1	1193.9	1194.2	1194.8	1195.4	1196.0	1196.6
165°	1219.8	1218.5	1218.5	1218.5	1218.5	1218.5	1218.8	1219.4	1220.1	1220.8	1221.5
167.5°	1239.4	1238.0	1237.9	1237.7	1237.5	1237.3	1237.7	1238.6	1239.5	1240.4	1241.3
170°	1250.0	1248.4	1248.4	1248.4	1248.4	1248.4	1248.9	1249.8	1250.7	1251.5	1252.5
172.5°	1258.7	1257.3	1257.3	1257.3	1257.3	1257.3	1257.7	1258.6	1259.5	1260.4	1261.3
175°	1267.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.0	1267.8	1268.7	1269.6	1270.5
177.5°	1272.1	1271.1	1271.1	1271.1	1271.1	1271.1	1271.4	1272.1	1272.9	1273.6	1274.3
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5



TEST NUMBER: P331992-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	936.1	937.9	944.1	948.4	953.4	956.3	959.2	961.4	964.2	964.9	975.4
5°	940.3	949.3	965.1	976.8	991.2	1006.9	1017.8	1022.8	1035.8	1046.6	1068.2
7.5°	939.1	958.3	982.1	1006.8	1033.3	1057.8	1079.1	1104.3	1122.3	1149.3	1175.8
10°	938.0	963.7	994.4	1025.9	1062.9	1097.1	1127.7	1162.0	1190.4	1227.9	1259.8
12.5°	934.8	965.9	1008.4	1045.8	1090.6	1137.9	1183.3	1227.3	1252.4	1314.7	1344.2
15°	926.8	963.7	1016.9	1073.7	1135.4	1191.4	1249.1	1295.0	1369.3	1423.9	1458.6
17.5°	911.5	963.2	1026.2	1094.8	1169.8	1243.5	1308.9	1378.6	1457.5	1523.5	1593.9
20°	904.2	961.0	1031.3	1107.1	1185.0	1268.4	1342.8	1426.6	1512.7	1577.6	1667.8
22.5°	890.9	955.2	1031.0	1115.3	1198.7	1285.0	1372.0	1456.6	1556.0	1645.5	1731.2
25°	869.0	941.2	1019.6	1113.8	1211.6	1298.1	1402.3	1514.5	1618.2	1733.1	1818.8
27.5°	846.1	923.2	1001.8	1089.3	1194.6	1297.3	1428.2	1555.1	1681.9	1781.1	1844.4
30°	828.5	903.3	984.5	1072.8	1176.9	1299.1	1445.5	1583.9	1707.4	1792.6	1828.2
32.5°	809.3	885.3	957.0	1049.7	1160.7	1298.0	1456.4	1600.9	1708.9	1765.6	1758.7
35°	779.4	842.9	912.7	1002.0	1132.7	1290.0	1462.7	1602.4	1668.7	1656.5	1564.5
37.5°	736.1	789.5	858.3	956.1	1100.3	1273.3	1450.1	1554.9	1550.6	1451.5	1318.3
40°	709.0	754.6	820.8	923.6	1075.0	1262.6	1430.2	1498.3	1440.6	1302.2	1142.6
42.5°	673.7	715.6	781.9	887.5	1047.2	1240.5	1392.3	1412.1	1299.2	1140.0	993.7
45°	618.9	655.8	724.4	833.4	1005.6	1192.7	1299.9	1251.7	1099.8	935.3	824.0
47.5°	560.0	598.4	664.3	776.4	945.4	1120.7	1171.7	1069.2	913.2	779.8	677.6
50°	522.9	559.8	624.3	737.4	904.7	1061.5	1082.7	950.2	806.8	689.7	605.8
52.5°	485.3	520.1	583.5	697.1	857.0	993.0	979.9	844.9	713.1	613.2	547.4
55°	429.6	462.4	522.9	629.2	774.8	882.5	835.3	706.4	597.3	519.7	469.7
57.5°	379.6	411.2	463.3	559.4	686.0	760.0	699.7	591.1	504.4	444.7	407.4
60°	345.7	373.7	423.3	512.5	622.5	678.8	619.3	523.3	450.3	402.5	369.2
62.5°	313.7	337.9	383.9	464.9	560.4	607.8	547.6	466.3	404.2	361.8	333.5
65°	265.0	287.1	327.7	390.8	469.2	500.8	448.9	383.1	334.9	303.3	284.4
67.5°	220.7	239.4	274.5	324.2	381.9	404.8	365.4	314.4	278.1	252.8	237.7
70°	191.1	207.3	234.9	277.7	329.9	347.5	310.6	268.6	242.0	221.8	207.8
72.5°	166.3	178.1	203.1	236.2	279.8	293.8	268.0	231.2	206.4	191.1	180.0
75°	126.7	136.6	152.8	179.4	209.6	217.7	198.3	175.3	158.7	147.8	139.3
77.5°	91.4	98.6	110.4	126.7	147.7	155.0	142.7	127.3	115.2	107.9	103.1
80°	69.0	74.8	84.7	98.2	110.9	114.9	107.7	96.0	87.5	83.4	79.3
82.5°	51.0	54.2	60.2	69.4	78.1	82.8	76.7	69.7	65.1	61.4	59.8
85°	25.7	27.5	30.2	33.8	39.2	41.0	38.7	36.9	34.3	32.0	32.0
87.5°	10.0	10.5	12.0	13.2	15.2	16.8	17.0	16.9	17.0	16.9	16.7
90°	3.2	5.4	7.7	9.9	12.5	15.3	18.3	21.1	24.0	24.9	25.8
92.5°	25.7	27.2	28.8	30.2	31.9	33.5	35.1	36.8	38.4	39.1	39.9
95°	60.6	62.2	63.7	65.3	66.9	68.7	70.4	72.2	74.0	74.9	75.8
97.5°	106.0	107.2	108.3	109.4	110.7	112.0	113.3	114.5	115.8	116.8	117.9
100°	137.4	138.7	140.1	141.4	142.6	143.7	144.8	145.9	147.1	147.7	148.4
102.5°	172.9	173.7	174.4	175.3	176.4	177.9	179.3	180.8	182.3	183.0	183.6
105°	225.5	226.0	226.4	226.9	228.1	230.1	232.1	234.1	236.1	236.1	236.1
107.5°	287.0	287.2	287.5	287.7	288.3	289.1	289.9	290.7	291.5	292.2	292.9
110°	325.5	326.0	326.5	326.9	327.4	327.8	328.2	328.6	329.2	330.0	330.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	365.4	365.7	365.9	366.2	366.4	366.4	366.5	366.6	366.7	367.8	368.9
115°	425.9	426.5	427.1	427.8	427.9	427.5	427.1	426.6	426.2	426.4	426.6
117.5°	486.0	486.5	486.9	487.3	487.3	486.7	486.1	485.6	485.0	484.9	484.9
120°	524.5	525.9	527.2	528.6	528.7	527.5	526.4	525.3	524.2	524.0	523.7
122.5°	563.4	564.4	565.3	566.4	566.5	565.9	565.3	564.8	564.2	563.6	563.1
125°	622.9	623.5	624.2	624.9	625.0	624.6	624.1	623.7	623.3	622.3	621.5
127.5°	678.9	680.3	681.7	683.1	683.6	683.1	682.6	682.2	681.7	680.4	679.2
130°	716.0	717.8	719.6	721.3	721.9	721.3	720.6	720.0	719.3	718.4	717.5
132.5°	752.9	754.7	756.4	758.2	758.9	758.4	757.9	757.3	756.9	755.8	754.8
135°	808.7	809.9	811.3	812.6	813.2	813.0	812.8	812.5	812.3	811.4	810.5
137.5°	860.4	861.5	862.6	863.8	864.6	865.2	865.7	866.3	866.9	866.0	865.0
140°	896.5	897.6	898.7	899.7	900.4	900.7	900.9	901.1	901.4	901.1	900.9
142.5°	929.3	930.4	931.5	932.6	933.3	933.8	934.2	934.5	935.0	934.7	934.5
145°	979.8	980.2	980.7	981.1	981.7	982.4	983.0	983.7	984.4	984.1	984.0
147.5°	1025.0	1025.8	1026.6	1027.4	1028.1	1028.7	1029.3	1029.9	1030.6	1030.6	1030.6
150°	1055.8	1056.3	1056.7	1057.2	1057.7	1058.1	1058.5	1058.9	1059.4	1059.4	1059.4
152.5°	1081.7	1082.3	1082.9	1083.5	1083.9	1084.2	1084.5	1084.8	1085.0	1085.4	1085.7
155°	1121.5	1121.5	1121.5	1121.5	1121.5	1121.8	1122.0	1122.2	1122.4	1123.3	1124.2
157.5°	1155.5	1155.3	1155.0	1154.8	1154.7	1154.9	1155.1	1155.3	1155.5	1156.4	1157.3
160°	1177.0	1176.6	1176.1	1175.7	1175.4	1175.4	1175.4	1175.4	1175.4	1176.6	1177.7
162.5°	1196.0	1195.4	1194.8	1194.2	1193.9	1194.1	1194.3	1194.5	1194.6	1195.8	1196.9
165°	1220.8	1220.1	1219.4	1218.8	1218.5	1218.5	1218.5	1218.5	1218.5	1219.8	1221.2
167.5°	1240.4	1239.5	1238.6	1237.7	1237.3	1237.5	1237.7	1237.9	1238.0	1239.4	1240.8
170°	1251.5	1250.7	1249.8	1248.9	1248.4	1248.4	1248.4	1248.4	1248.4	1250.0	1251.5
172.5°	1260.4	1259.5	1258.6	1257.7	1257.3	1257.3	1257.3	1257.3	1257.3	1258.7	1260.1
175°	1269.6	1268.7	1267.8	1267.0	1266.4	1266.4	1266.4	1266.4	1266.4	1267.8	1269.1
177.5°	1273.6	1272.9	1272.1	1271.4	1271.1	1271.1	1271.1	1271.1	1271.1	1272.1	1273.2
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	979.0	979.4	983.3	986.3	984.8	986.6	987.3
5°	1069.6	1085.9	1094.4	1100.7	1101.2	1101.6	1105.3
7.5°	1198.1	1215.5	1228.2	1247.5	1253.3	1259.8	1257.9
10°	1291.8	1317.5	1339.6	1351.3	1364.0	1382.4	1367.6
12.5°	1379.5	1425.0	1458.6	1476.9	1488.8	1492.5	1485.1
15°	1524.0	1583.5	1615.5	1614.5	1655.2	1672.8	1645.2
17.5°	1656.5	1711.4	1755.4	1778.0	1811.7	1819.2	1815.8
20°	1737.7	1797.6	1831.9	1870.6	1888.2	1903.9	1906.7
22.5°	1807.6	1861.4	1898.2	1930.4	1945.2	1952.7	1957.1
25°	1879.6	1922.0	1944.1	1955.3	1959.4	1958.5	1952.7
27.5°	1874.7	1877.9	1853.6	1829.7	1808.4	1784.3	1776.0
30°	1826.0	1788.1	1720.5	1682.2	1625.8	1581.2	1599.2
32.5°	1698.0	1622.6	1546.7	1462.9	1393.6	1373.9	1354.0
35°	1449.1	1316.6	1239.2	1148.9	1112.9	1076.9	1052.1
37.5°	1172.4	1069.9	977.9	918.9	882.9	860.1	847.7
40°	1013.7	921.4	845.6	797.8	770.3	744.7	741.1
42.5°	887.2	801.2	744.2	706.2	679.8	668.9	661.0
45°	726.6	666.7	628.4	601.3	583.8	577.0	567.9
47.5°	615.0	572.7	543.9	525.5	512.2	507.2	506.4
50°	552.6	517.5	496.3	481.8	471.5	469.7	462.4
52.5°	505.8	475.3	458.7	446.2	438.7	433.6	431.4
55°	439.0	418.7	403.9	396.7	390.8	385.8	385.8
57.5°	384.1	367.2	357.3	351.2	349.4	345.9	343.6
60°	350.3	335.8	328.1	322.7	319.2	319.6	315.6
62.5°	317.0	307.7	300.4	295.0	290.7	290.8	291.0
65°	270.0	262.8	257.4	255.5	252.9	249.7	250.6
67.5°	228.8	222.1	217.8	214.7	213.9	212.2	214.7
70°	199.2	194.2	191.1	188.4	187.5	188.0	190.2
72.5°	172.2	168.7	166.6	165.3	163.3	163.4	165.0
75°	135.3	132.5	130.7	129.3	128.9	128.9	128.9
77.5°	99.4	98.8	97.9	95.9	96.0	96.5	96.6
80°	78.4	77.1	76.6	75.8	74.4	73.4	75.8
82.5°	58.6	57.3	56.8	56.7	54.5	54.3	56.2
85°	31.5	30.2	30.7	30.2	30.2	29.8	29.8
87.5°	16.5	16.4	16.1	16.5	16.3	16.0	16.8
90°	26.7	27.6	28.2	28.7	29.1	29.5	30.0
92.5°	40.6	41.2	41.5	41.2	41.0	40.6	40.4
95°	76.7	77.6	78.0	78.0	78.0	78.0	78.0
97.5°	118.9	119.9	120.4	120.3	120.2	120.1	120.0
100°	149.0	149.7	150.2	150.8	151.2	151.6	152.1
102.5°	184.3	184.9	185.2	185.1	185.0	184.9	184.9
105°	236.1	236.1	236.3	236.8	237.2	237.6	238.1
107.5°	293.7	294.4	294.5	294.3	294.0	293.8	293.5
110°	331.8	332.7	332.9	332.4	332.0	331.6	331.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	370.0	371.0	371.5	371.4	371.3	371.3	371.2
115°	426.8	427.1	427.1	426.8	426.6	426.4	426.2
117.5°	484.8	484.8	484.5	483.9	483.2	482.6	482.0
120°	523.6	523.3	523.0	522.5	522.1	521.7	521.2
122.5°	562.5	561.9	561.3	560.7	560.1	559.4	558.8
125°	620.6	619.7	618.8	617.9	617.0	616.1	615.3
127.5°	678.0	676.7	675.5	674.5	673.5	672.4	671.5
130°	716.6	715.7	714.5	712.9	711.4	709.8	708.3
132.5°	753.7	752.6	751.5	750.3	749.1	747.9	746.7
135°	809.6	808.7	808.0	807.6	807.2	806.8	806.3
137.5°	864.1	863.2	862.3	861.4	860.7	859.8	858.9
140°	900.7	900.4	899.6	898.0	896.5	894.9	893.4
142.5°	934.3	934.1	933.3	932.1	930.9	929.8	928.6
145°	983.7	983.5	982.9	982.1	981.1	980.2	979.4
147.5°	1030.6	1030.6	1029.9	1028.6	1027.3	1025.9	1024.6
150°	1059.4	1059.4	1058.8	1057.4	1056.1	1054.7	1053.4
152.5°	1086.1	1086.4	1086.1	1084.9	1083.7	1082.5	1081.4
155°	1125.1	1126.0	1125.7	1124.1	1122.6	1121.0	1119.4
157.5°	1158.2	1159.2	1159.0	1157.8	1156.5	1155.3	1154.0
160°	1178.8	1179.9	1180.0	1179.1	1178.2	1177.3	1176.5
162.5°	1198.0	1199.1	1198.9	1197.5	1196.1	1194.6	1193.3
165°	1222.4	1223.8	1223.7	1222.1	1220.6	1219.0	1217.5
167.5°	1242.2	1243.5	1243.5	1242.2	1240.8	1239.4	1238.0
170°	1253.2	1254.7	1254.7	1253.2	1251.5	1250.0	1248.4
172.5°	1261.5	1262.8	1262.7	1261.1	1259.6	1258.0	1256.5
175°	1270.5	1271.8	1271.7	1270.1	1268.6	1267.0	1265.5
177.5°	1274.3	1275.3	1275.2	1274.0	1272.7	1271.5	1270.3
180°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5

(END OF REPORT)