

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: P333287-927

Luminaire Tested: **S125DIP-S1090D1205U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333287-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D1205U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6858.1 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

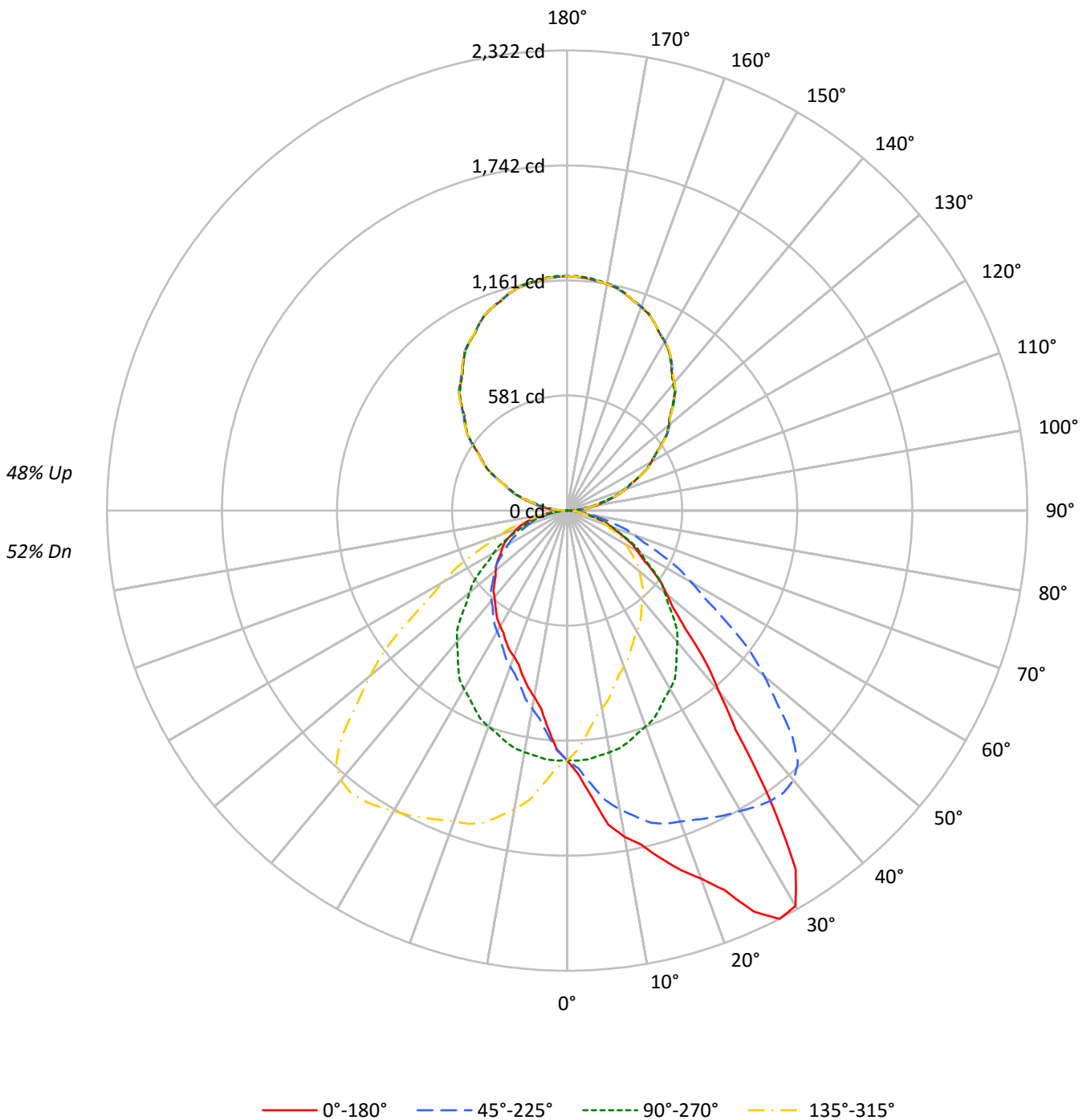
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	108	108	108	108	99	99	99	99	84	84	84	71	71	71	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	76	71	83	77	71	67	65	61	58	55	52	50	46	44	42	37
3	82	73	65	60	76	68	61	56	58	53	49	49	45	42	41	38	36	32
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27
5	69	57	49	43	64	54	46	41	46	41	36	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	33	54	44	36	31	38	32	28	32	28	25	27	24	21	19
8	55	42	35	29	50	40	33	28	34	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	29	25	32	26	22	27	23	20	23	20	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	1.8
10°-20°	361.1	5.3
20°-30°	586.3	8.5
30°-40°	715.2	10.4
40°-50°	650.6	9.5
50°-60°	518.2	7.6
60°-70°	361.0	5.3
70°-80°	192.5	2.8
80°-90°	51.2	0.7
90°-100°	79.2	1.2
100°-110°	234.0	3.4
110°-120°	396.3	5.8
120°-130°	521.5	7.6
130°-140°	584.4	8.5
140°-150°	572.7	8.4
150°-160°	481.1	7.0
160°-170°	319.8	4.7
170°-180°	111.9	1.6
0°-30°	1068.7	15.6
0°-40°	1783.8	26.0
0°-60°	2952.7	43.1
0°-90°	3557.3	51.9
90°-120°	709.5	10.3
90°-150°	2388.1	34.8
90°-180°	3301.0	48.1
0°-180°	6858.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	22	1	22	1	22	14
95°	79	60	79	60	79	81
105°	228	210	228	210	228	242
115°	400	397	400	397	400	396
125°	583	579	583	579	583	520
135°	756	753	756	753	756	583
145°	916	912	916	912	916	572
155°	1044	1044	1044	1044	1044	480
165°	1132	1135	1132	1135	1132	319
175°	1176	1180	1176	1180	1176	112
180°	1183	1183	1183	1183	1183	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	14.7	15.4	15.7	15.6	15.9	15.8	17.3	17.0	18.1	19.2	20.6
90°	22.1	21.5	20.8	20.3	19.6	18.9	17.8	16.8	15.8	14.7	13.3
92.5°	43.4	43.0	42.5	42.1	41.7	40.7	39.4	38.0	36.7	35.3	33.6
95°	79.1	78.7	78.3	78.0	77.6	76.6	75.2	73.8	72.3	70.9	68.8
97.5°	120.0	119.8	119.5	119.3	119.1	118.3	116.9	115.6	114.2	112.9	110.0
100°	151.0	150.6	150.1	149.7	149.3	148.2	146.4	144.5	142.7	140.9	138.2
102.5°	181.9	181.3	180.8	180.2	179.6	178.3	176.3	174.3	172.3	170.3	169.0
105°	228.3	227.7	227.0	226.5	225.9	224.9	223.7	222.4	221.3	220.0	218.8
107.5°	275.8	275.8	275.9	275.9	276.0	275.7	275.0	274.4	273.9	273.2	272.3
110°	311.2	311.3	311.6	311.7	312.0	311.7	311.2	310.5	309.9	309.3	308.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	345.8	346.1	346.5	346.9	347.2	347.3	347.0	346.7	346.4	346.1	345.3
115°	400.4	400.6	400.8	401.1	401.2	401.5	401.6	401.9	402.1	402.3	401.9
117.5°	453.8	454.6	455.5	456.3	457.1	457.4	457.2	457.1	456.9	456.8	456.4
120°	490.7	491.5	492.3	493.1	493.9	494.3	494.3	494.3	494.3	494.3	494.2
122.5°	527.5	528.1	528.8	529.4	530.1	530.5	530.7	530.8	531.0	531.2	530.6
125°	582.7	582.9	583.1	583.4	583.5	583.8	584.2	584.6	585.0	585.5	585.3
127.5°	635.7	636.1	636.5	637.0	637.4	637.7	637.9	638.1	638.3	638.5	638.3
130°	671.1	671.5	671.9	672.3	672.7	673.0	673.2	673.4	673.7	673.8	673.4
132.5°	704.3	704.8	705.4	705.9	706.5	706.9	707.1	707.3	707.5	707.7	707.8
135°	755.7	756.6	757.4	758.2	759.1	759.5	759.5	759.5	759.5	759.5	759.2
137.5°	806.2	807.2	808.3	809.3	810.3	810.7	810.5	810.2	809.9	809.7	809.3
140°	838.6	839.6	840.7	841.7	842.7	843.0	842.6	842.2	841.8	841.4	840.7
142.5°	869.6	870.6	871.6	872.6	873.6	874.0	873.8	873.5	873.3	873.1	872.3
145°	915.9	916.6	917.2	917.8	918.4	918.7	918.7	918.7	918.7	918.7	918.1
147.5°	955.5	957.0	958.3	959.7	961.1	961.6	961.1	960.6	960.0	959.6	959.1
150°	985.0	985.4	985.8	986.2	986.7	986.8	986.8	986.8	986.8	986.8	986.0
152.5°	1009.3	1010.0	1010.7	1011.5	1012.3	1012.3	1011.9	1011.4	1010.9	1010.4	1010.1
155°	1043.9	1045.0	1045.9	1046.9	1048.0	1048.1	1047.3	1046.5	1045.7	1044.8	1044.7
157.5°	1072.9	1074.2	1075.5	1076.9	1078.2	1078.5	1077.7	1076.8	1076.0	1075.2	1075.0
160°	1092.7	1093.7	1094.7	1095.7	1096.8	1096.9	1096.1	1095.3	1094.4	1093.6	1093.4
162.5°	1109.6	1110.8	1112.0	1113.2	1114.4	1114.5	1113.5	1112.5	1111.5	1110.6	1110.5
165°	1132.3	1133.5	1134.7	1136.0	1137.2	1137.4	1136.5	1135.8	1135.0	1134.1	1133.9
167.5°	1150.3	1151.6	1152.9	1154.1	1155.4	1155.4	1154.2	1152.9	1151.8	1150.5	1150.5
170°	1159.9	1161.3	1162.8	1164.2	1165.6	1165.7	1164.5	1163.2	1162.1	1160.8	1160.8
172.5°	1168.0	1169.3	1170.5	1171.8	1173.1	1173.1	1171.9	1170.6	1169.4	1168.2	1168.2
175°	1175.5	1176.9	1178.5	1179.9	1181.3	1181.4	1180.1	1178.9	1177.7	1176.5	1176.5
177.5°	1180.0	1181.1	1182.3	1183.4	1184.6	1184.6	1183.7	1182.6	1181.7	1180.7	1180.8
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	21.2	20.0	18.1	16.5	14.0	12.4	11.6	11.7	10.8	10.7	11.4
90°	11.9	10.5	9.0	7.4	5.9	4.2	2.5	1.0	2.5	4.2	5.9
92.5°	31.8	30.1	28.3	26.9	25.7	24.6	23.4	22.3	23.4	24.6	25.7
95°	66.8	64.7	62.7	61.5	61.1	60.7	60.2	59.8	60.2	60.7	61.1
97.5°	107.2	104.4	101.6	100.1	99.9	99.7	99.6	99.4	99.6	99.7	99.9
100°	135.5	132.8	130.2	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
102.5°	167.6	166.3	164.9	163.8	163.0	162.2	161.4	160.6	161.4	162.2	163.0
105°	217.5	216.3	215.1	214.0	212.9	211.9	210.9	209.8	210.9	211.9	212.9
107.5°	271.3	270.4	269.4	268.5	267.4	266.4	265.4	264.4	265.4	266.4	267.4
110°	308.1	307.4	306.8	306.0	305.0	304.0	302.9	302.0	302.9	304.0	305.0



TEST NUMBER: P333287-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	344.6	343.8	343.0	342.4	341.8	341.3	340.8	340.2	340.8	341.3	341.8
115°	401.5	401.1	400.6	400.1	399.2	398.4	397.6	396.7	397.6	398.4	399.2
117.5°	456.1	455.7	455.3	455.0	454.6	454.2	453.8	453.4	453.8	454.2	454.6
120°	493.9	493.7	493.5	492.9	491.9	490.8	489.8	488.8	489.8	490.8	491.9
122.5°	530.1	529.6	529.0	528.5	528.2	527.8	527.5	527.1	527.5	527.8	528.2
125°	585.0	584.9	584.6	583.9	582.7	581.5	580.3	579.0	580.3	581.5	582.7
127.5°	638.0	637.8	637.5	637.1	636.4	635.6	634.9	634.3	634.9	635.6	636.4
130°	673.0	672.6	672.2	671.5	670.5	669.5	668.4	667.4	668.4	669.5	670.5
132.5°	707.9	708.0	708.1	707.3	705.6	703.9	702.2	700.5	702.2	703.9	705.6
135°	759.1	758.8	758.7	758.0	756.7	755.5	754.2	753.0	754.2	755.5	756.7
137.5°	808.8	808.3	807.9	807.1	805.9	804.7	803.5	802.3	803.5	804.7	805.9
140°	840.2	839.6	838.9	838.1	837.1	836.1	835.0	834.0	835.0	836.1	837.1
142.5°	871.5	870.7	870.0	869.1	868.2	867.4	866.6	865.7	866.6	867.4	868.2
145°	917.5	916.9	916.2	915.5	914.7	913.9	913.1	912.3	913.1	913.9	914.7
147.5°	958.6	958.1	957.6	957.1	956.7	956.2	955.8	955.4	955.8	956.2	956.7
150°	985.2	984.4	983.6	983.3	983.5	983.7	983.9	984.0	983.9	983.7	983.5
152.5°	1009.7	1009.4	1009.1	1008.8	1008.5	1008.2	1007.9	1007.7	1007.9	1008.2	1008.5
155°	1044.4	1044.3	1044.0	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9
157.5°	1074.8	1074.6	1074.4	1074.5	1075.0	1075.4	1075.9	1076.3	1075.9	1075.4	1075.0
160°	1093.2	1093.0	1092.8	1093.0	1093.6	1094.2	1094.9	1095.4	1094.9	1094.2	1093.6
162.5°	1110.5	1110.4	1110.4	1110.6	1111.0	1111.5	1112.0	1112.4	1112.0	1111.5	1111.0
165°	1133.7	1133.5	1133.3	1133.4	1133.9	1134.2	1134.6	1135.0	1134.6	1134.2	1133.9
167.5°	1150.5	1150.5	1150.5	1150.9	1151.8	1152.5	1153.3	1154.2	1153.3	1152.5	1151.8
170°	1160.8	1160.8	1160.8	1161.3	1162.1	1162.8	1163.7	1164.5	1163.7	1162.8	1162.1
172.5°	1168.2	1168.2	1168.2	1168.6	1169.4	1170.2	1171.1	1171.9	1171.1	1170.2	1169.4
175°	1176.5	1176.5	1176.5	1176.9	1177.7	1178.5	1179.3	1180.1	1179.3	1178.5	1177.7
177.5°	1181.1	1181.2	1181.4	1181.8	1182.4	1183.0	1183.8	1184.4	1183.8	1183.0	1182.4
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



TEST NUMBER: P333287-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	12.2	13.4	13.2	13.9	14.2	15.4	15.1	17.0	18.1	19.2	18.9
90°	7.4	9.0	10.5	11.9	13.3	14.7	15.8	16.8	17.8	18.9	19.6
92.5°	26.9	28.3	30.1	31.8	33.6	35.3	36.7	38.0	39.4	40.7	41.7
95°	61.5	62.7	64.7	66.8	68.8	70.9	72.3	73.8	75.2	76.6	77.6
97.5°	100.1	101.6	104.4	107.2	110.0	112.9	114.2	115.6	116.9	118.3	119.1
100°	128.9	130.2	132.8	135.5	138.2	140.9	142.7	144.5	146.4	148.2	149.3
102.5°	163.8	164.9	166.3	167.6	169.0	170.3	172.3	174.3	176.3	178.3	179.6
105°	214.0	215.1	216.3	217.5	218.8	220.0	221.3	222.4	223.7	224.9	225.9
107.5°	268.5	269.4	270.4	271.3	272.3	273.2	273.9	274.4	275.0	275.7	276.0
110°	306.0	306.8	307.4	308.1	308.7	309.3	309.9	310.5	311.2	311.7	312.0



TEST NUMBER: P333287-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	342.4	343.0	343.8	344.6	345.3	346.1	346.4	346.7	347.0	347.3	347.2
115°	400.1	400.6	401.1	401.5	401.9	402.3	402.1	401.9	401.6	401.5	401.2
117.5°	455.0	455.3	455.7	456.1	456.4	456.8	456.9	457.1	457.2	457.4	457.1
120°	492.9	493.5	493.7	493.9	494.2	494.3	494.3	494.3	494.3	494.3	493.9
122.5°	528.5	529.0	529.6	530.1	530.6	531.2	531.0	530.8	530.7	530.5	530.1
125°	583.9	584.6	584.9	585.0	585.3	585.5	585.0	584.6	584.2	583.8	583.5
127.5°	637.1	637.5	637.8	638.0	638.3	638.5	638.3	638.1	637.9	637.7	637.4
130°	671.5	672.2	672.6	673.0	673.4	673.8	673.7	673.4	673.2	673.0	672.7
132.5°	707.3	708.1	708.0	707.9	707.8	707.7	707.5	707.3	707.1	706.9	706.5
135°	758.0	758.7	758.8	759.1	759.2	759.5	759.5	759.5	759.5	759.5	759.1
137.5°	807.1	807.9	808.3	808.8	809.3	809.7	809.9	810.2	810.5	810.7	810.3
140°	838.1	838.9	839.6	840.2	840.7	841.4	841.8	842.2	842.6	843.0	842.7
142.5°	869.1	870.0	870.7	871.5	872.3	873.1	873.3	873.5	873.8	874.0	873.6
145°	915.5	916.2	916.9	917.5	918.1	918.7	918.7	918.7	918.7	918.7	918.4
147.5°	957.1	957.6	958.1	958.6	959.1	959.6	960.0	960.6	961.1	961.6	961.1
150°	983.3	983.6	984.4	985.2	986.0	986.8	986.8	986.8	986.8	986.8	986.7
152.5°	1008.8	1009.1	1009.4	1009.7	1010.1	1010.4	1010.9	1011.4	1011.9	1012.3	1012.3
155°	1043.9	1044.0	1044.3	1044.4	1044.7	1044.8	1045.7	1046.5	1047.3	1048.1	1048.0
157.5°	1074.5	1074.4	1074.6	1074.8	1075.0	1075.2	1076.0	1076.8	1077.7	1078.5	1078.2
160°	1093.0	1092.8	1093.0	1093.2	1093.4	1093.6	1094.4	1095.3	1096.1	1096.9	1096.8
162.5°	1110.6	1110.4	1110.4	1110.5	1110.5	1110.6	1111.5	1112.5	1113.5	1114.5	1114.4
165°	1133.4	1133.3	1133.5	1133.7	1133.9	1134.1	1135.0	1135.8	1136.5	1137.4	1137.2
167.5°	1150.9	1150.5	1150.5	1150.5	1150.5	1150.5	1151.8	1152.9	1154.2	1155.4	1155.4
170°	1161.3	1160.8	1160.8	1160.8	1160.8	1160.8	1162.1	1163.2	1164.5	1165.7	1165.6
172.5°	1168.6	1168.2	1168.2	1168.2	1168.2	1168.2	1169.4	1170.6	1171.9	1173.1	1173.1
175°	1176.9	1176.5	1176.5	1176.5	1176.5	1176.5	1177.7	1178.9	1180.1	1181.4	1181.3
177.5°	1181.8	1181.4	1181.2	1181.1	1180.8	1180.7	1181.7	1182.6	1183.7	1184.6	1184.6
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



TEST NUMBER: P333287-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	19.9	19.6	19.7	20.7	19.7	19.6	19.9	18.9	19.2	18.1	17.0
90°	20.3	20.8	21.5	22.1	21.5	20.8	20.3	19.6	18.9	17.8	16.8
92.5°	42.1	42.5	43.0	43.4	43.0	42.5	42.1	41.7	40.7	39.4	38.0
95°	78.0	78.3	78.7	79.1	78.7	78.3	78.0	77.6	76.6	75.2	73.8
97.5°	119.3	119.5	119.8	120.0	119.8	119.5	119.3	119.1	118.3	116.9	115.6
100°	149.7	150.1	150.6	151.0	150.6	150.1	149.7	149.3	148.2	146.4	144.5
102.5°	180.2	180.8	181.3	181.9	181.3	180.8	180.2	179.6	178.3	176.3	174.3
105°	226.5	227.0	227.7	228.3	227.7	227.0	226.5	225.9	224.9	223.7	222.4
107.5°	275.9	275.9	275.8	275.8	275.8	275.9	275.9	276.0	275.7	275.0	274.4
110°	311.7	311.6	311.3	311.2	311.3	311.6	311.7	312.0	311.7	311.2	310.5



TEST NUMBER: P333287-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	346.9	346.5	346.1	345.8	346.1	346.5	346.9	347.2	347.3	347.0	346.7
115°	401.1	400.8	400.6	400.4	400.6	400.8	401.1	401.2	401.5	401.6	401.9
117.5°	456.3	455.5	454.6	453.8	454.6	455.5	456.3	457.1	457.4	457.2	457.1
120°	493.1	492.3	491.5	490.7	491.5	492.3	493.1	493.9	494.3	494.3	494.3
122.5°	529.4	528.8	528.1	527.5	528.1	528.8	529.4	530.1	530.5	530.7	530.8
125°	583.4	583.1	582.9	582.7	582.9	583.1	583.4	583.5	583.8	584.2	584.6
127.5°	637.0	636.5	636.1	635.7	636.1	636.5	637.0	637.4	637.7	637.9	638.1
130°	672.3	671.9	671.5	671.1	671.5	671.9	672.3	672.7	673.0	673.2	673.4
132.5°	705.9	705.4	704.8	704.3	704.8	705.4	705.9	706.5	706.9	707.1	707.3
135°	758.2	757.4	756.6	755.7	756.6	757.4	758.2	759.1	759.5	759.5	759.5
137.5°	809.3	808.3	807.2	806.2	807.2	808.3	809.3	810.3	810.7	810.5	810.2
140°	841.7	840.7	839.6	838.6	839.6	840.7	841.7	842.7	843.0	842.6	842.2
142.5°	872.6	871.6	870.6	869.6	870.6	871.6	872.6	873.6	874.0	873.8	873.5
145°	917.8	917.2	916.6	915.9	916.6	917.2	917.8	918.4	918.7	918.7	918.7
147.5°	959.7	958.3	957.0	955.5	957.0	958.3	959.7	961.1	961.6	961.1	960.6
150°	986.2	985.8	985.4	985.0	985.4	985.8	986.2	986.7	986.8	986.8	986.8
152.5°	1011.5	1010.7	1010.0	1009.3	1010.0	1010.7	1011.5	1012.3	1012.3	1011.9	1011.4
155°	1046.9	1045.9	1045.0	1043.9	1045.0	1045.9	1046.9	1048.0	1048.1	1047.3	1046.5
157.5°	1076.9	1075.5	1074.2	1072.9	1074.2	1075.5	1076.9	1078.2	1078.5	1077.7	1076.8
160°	1095.7	1094.7	1093.7	1092.7	1093.7	1094.7	1095.7	1096.8	1096.9	1096.1	1095.3
162.5°	1113.2	1112.0	1110.8	1109.6	1110.8	1112.0	1113.2	1114.4	1114.5	1113.5	1112.5
165°	1136.0	1134.7	1133.5	1132.3	1133.5	1134.7	1136.0	1137.2	1137.4	1136.5	1135.8
167.5°	1154.1	1152.9	1151.6	1150.3	1151.6	1152.9	1154.1	1155.4	1155.4	1154.2	1152.9
170°	1164.2	1162.8	1161.3	1159.9	1161.3	1162.8	1164.2	1165.6	1165.7	1164.5	1163.2
172.5°	1171.8	1170.5	1169.3	1168.0	1169.3	1170.5	1171.8	1173.1	1173.1	1171.9	1170.6
175°	1179.9	1178.5	1176.9	1175.5	1176.9	1178.5	1179.9	1181.3	1181.4	1180.1	1178.9
177.5°	1183.4	1182.3	1181.1	1180.0	1181.1	1182.3	1183.4	1184.6	1184.6	1183.7	1182.6
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	15.1	15.4	14.2	13.9	13.2	13.4	12.2	11.4	10.7	10.8	11.7
90°	15.8	14.7	13.3	11.9	10.5	9.0	7.4	5.9	4.2	2.5	1.0
92.5°	36.7	35.3	33.6	31.8	30.1	28.3	26.9	25.7	24.6	23.4	22.3
95°	72.3	70.9	68.8	66.8	64.7	62.7	61.5	61.1	60.7	60.2	59.8
97.5°	114.2	112.9	110.0	107.2	104.4	101.6	100.1	99.9	99.7	99.6	99.4
100°	142.7	140.9	138.2	135.5	132.8	130.2	128.9	128.9	128.9	128.9	128.9
102.5°	172.3	170.3	169.0	167.6	166.3	164.9	163.8	163.0	162.2	161.4	160.6
105°	221.3	220.0	218.8	217.5	216.3	215.1	214.0	212.9	211.9	210.9	209.8
107.5°	273.9	273.2	272.3	271.3	270.4	269.4	268.5	267.4	266.4	265.4	264.4
110°	309.9	309.3	308.7	308.1	307.4	306.8	306.0	305.0	304.0	302.9	302.0



TEST NUMBER: P333287-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	346.4	346.1	345.3	344.6	343.8	343.0	342.4	341.8	341.3	340.8	340.2
115°	402.1	402.3	401.9	401.5	401.1	400.6	400.1	399.2	398.4	397.6	396.7
117.5°	456.9	456.8	456.4	456.1	455.7	455.3	455.0	454.6	454.2	453.8	453.4
120°	494.3	494.3	494.2	493.9	493.7	493.5	492.9	491.9	490.8	489.8	488.8
122.5°	531.0	531.2	530.6	530.1	529.6	529.0	528.5	528.2	527.8	527.5	527.1
125°	585.0	585.5	585.3	585.0	584.9	584.6	583.9	582.7	581.5	580.3	579.0
127.5°	638.3	638.5	638.3	638.0	637.8	637.5	637.1	636.4	635.6	634.9	634.3
130°	673.7	673.8	673.4	673.0	672.6	672.2	671.5	670.5	669.5	668.4	667.4
132.5°	707.5	707.7	707.8	707.9	708.0	708.1	707.3	705.6	703.9	702.2	700.5
135°	759.5	759.5	759.2	759.1	758.8	758.7	758.0	756.7	755.5	754.2	753.0
137.5°	809.9	809.7	809.3	808.8	808.3	807.9	807.1	805.9	804.7	803.5	802.3
140°	841.8	841.4	840.7	840.2	839.6	838.9	838.1	837.1	836.1	835.0	834.0
142.5°	873.3	873.1	872.3	871.5	870.7	870.0	869.1	868.2	867.4	866.6	865.7
145°	918.7	918.7	918.1	917.5	916.9	916.2	915.5	914.7	913.9	913.1	912.3
147.5°	960.0	959.6	959.1	958.6	958.1	957.6	957.1	956.7	956.2	955.8	955.4
150°	986.8	986.8	986.0	985.2	984.4	983.6	983.3	983.5	983.7	983.9	984.0
152.5°	1010.9	1010.4	1010.1	1009.7	1009.4	1009.1	1008.8	1008.5	1008.2	1007.9	1007.7
155°	1045.7	1044.8	1044.7	1044.4	1044.3	1044.0	1043.9	1043.9	1043.9	1043.9	1043.9
157.5°	1076.0	1075.2	1075.0	1074.8	1074.6	1074.4	1074.5	1075.0	1075.4	1075.9	1076.3
160°	1094.4	1093.6	1093.4	1093.2	1093.0	1092.8	1093.0	1093.6	1094.2	1094.9	1095.4
162.5°	1111.5	1110.6	1110.5	1110.5	1110.4	1110.4	1110.6	1111.0	1111.5	1112.0	1112.4
165°	1135.0	1134.1	1133.9	1133.7	1133.5	1133.3	1133.4	1133.9	1134.2	1134.6	1135.0
167.5°	1151.8	1150.5	1150.5	1150.5	1150.5	1150.5	1150.9	1151.8	1152.5	1153.3	1154.2
170°	1162.1	1160.8	1160.8	1160.8	1160.8	1160.8	1161.3	1162.1	1162.8	1163.7	1164.5
172.5°	1169.4	1168.2	1168.2	1168.2	1168.2	1168.2	1168.6	1169.4	1170.2	1171.1	1171.9
175°	1177.7	1176.5	1176.5	1176.5	1176.5	1176.5	1176.9	1177.7	1178.5	1179.3	1180.1
177.5°	1181.7	1180.7	1180.8	1181.1	1181.2	1181.4	1181.8	1182.4	1183.0	1183.8	1184.4
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.6	12.4	14.0	16.5	18.1	20.0	21.2	20.6	19.2	18.1	17.0
90°	2.5	4.2	5.9	7.4	9.0	10.5	11.9	13.3	14.7	15.8	16.8
92.5°	23.4	24.6	25.7	26.9	28.3	30.1	31.8	33.6	35.3	36.7	38.0
95°	60.2	60.7	61.1	61.5	62.7	64.7	66.8	68.8	70.9	72.3	73.8
97.5°	99.6	99.7	99.9	100.1	101.6	104.4	107.2	110.0	112.9	114.2	115.6
100°	128.9	128.9	128.9	128.9	130.2	132.8	135.5	138.2	140.9	142.7	144.5
102.5°	161.4	162.2	163.0	163.8	164.9	166.3	167.6	169.0	170.3	172.3	174.3
105°	210.9	211.9	212.9	214.0	215.1	216.3	217.5	218.8	220.0	221.3	222.4
107.5°	265.4	266.4	267.4	268.5	269.4	270.4	271.3	272.3	273.2	273.9	274.4
110°	302.9	304.0	305.0	306.0	306.8	307.4	308.1	308.7	309.3	309.9	310.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	340.8	341.3	341.8	342.4	343.0	343.8	344.6	345.3	346.1	346.4	346.7
115°	397.6	398.4	399.2	400.1	400.6	401.1	401.5	401.9	402.3	402.1	401.9
117.5°	453.8	454.2	454.6	455.0	455.3	455.7	456.1	456.4	456.8	456.9	457.1
120°	489.8	490.8	491.9	492.9	493.5	493.7	493.9	494.2	494.3	494.3	494.3
122.5°	527.5	527.8	528.2	528.5	529.0	529.6	530.1	530.6	531.2	531.0	530.8
125°	580.3	581.5	582.7	583.9	584.6	584.9	585.0	585.3	585.5	585.0	584.6
127.5°	634.9	635.6	636.4	637.1	637.5	637.8	638.0	638.3	638.5	638.3	638.1
130°	668.4	669.5	670.5	671.5	672.2	672.6	673.0	673.4	673.8	673.7	673.4
132.5°	702.2	703.9	705.6	707.3	708.1	708.0	707.9	707.8	707.7	707.5	707.3
135°	754.2	755.5	756.7	758.0	758.7	758.8	759.1	759.2	759.5	759.5	759.5
137.5°	803.5	804.7	805.9	807.1	807.9	808.3	808.8	809.3	809.7	809.9	810.2
140°	835.0	836.1	837.1	838.1	838.9	839.6	840.2	840.7	841.4	841.8	842.2
142.5°	866.6	867.4	868.2	869.1	870.0	870.7	871.5	872.3	873.1	873.3	873.5
145°	913.1	913.9	914.7	915.5	916.2	916.9	917.5	918.1	918.7	918.7	918.7
147.5°	955.8	956.2	956.7	957.1	957.6	958.1	958.6	959.1	959.6	960.0	960.6
150°	983.9	983.7	983.5	983.3	983.6	984.4	985.2	986.0	986.8	986.8	986.8
152.5°	1007.9	1008.2	1008.5	1008.8	1009.1	1009.4	1009.7	1010.1	1010.4	1010.9	1011.4
155°	1043.9	1043.9	1043.9	1043.9	1044.0	1044.3	1044.4	1044.7	1044.8	1045.7	1046.5
157.5°	1075.9	1075.4	1075.0	1074.5	1074.4	1074.6	1074.8	1075.0	1075.2	1076.0	1076.8
160°	1094.9	1094.2	1093.6	1093.0	1092.8	1093.0	1093.2	1093.4	1093.6	1094.4	1095.3
162.5°	1112.0	1111.5	1111.0	1110.6	1110.4	1110.4	1110.5	1110.5	1110.6	1111.5	1112.5
165°	1134.6	1134.2	1133.9	1133.4	1133.3	1133.5	1133.7	1133.9	1134.1	1135.0	1135.8
167.5°	1153.3	1152.5	1151.8	1150.9	1150.5	1150.5	1150.5	1150.5	1150.5	1151.8	1152.9
170°	1163.7	1162.8	1162.1	1161.3	1160.8	1160.8	1160.8	1160.8	1160.8	1162.1	1163.2
172.5°	1171.1	1170.2	1169.4	1168.6	1168.2	1168.2	1168.2	1168.2	1168.2	1169.4	1170.6
175°	1179.3	1178.5	1177.7	1176.9	1176.5	1176.5	1176.5	1176.5	1176.5	1177.7	1178.9
177.5°	1183.8	1183.0	1182.4	1181.8	1181.4	1181.2	1181.1	1180.8	1180.7	1181.7	1182.6
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	17.3	15.8	15.9	15.6	15.7	15.4	14.7
90°	17.8	18.9	19.6	20.3	20.8	21.5	22.1
92.5°	39.4	40.7	41.7	42.1	42.5	43.0	43.4
95°	75.2	76.6	77.6	78.0	78.3	78.7	79.1
97.5°	116.9	118.3	119.1	119.3	119.5	119.8	120.0
100°	146.4	148.2	149.3	149.7	150.1	150.6	151.0
102.5°	176.3	178.3	179.6	180.2	180.8	181.3	181.9
105°	223.7	224.9	225.9	226.5	227.0	227.7	228.3
107.5°	275.0	275.7	276.0	275.9	275.9	275.8	275.8
110°	311.2	311.7	312.0	311.7	311.6	311.3	311.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	347.0	347.3	347.2	346.9	346.5	346.1	345.8
115°	401.6	401.5	401.2	401.1	400.8	400.6	400.4
117.5°	457.2	457.4	457.1	456.3	455.5	454.6	453.8
120°	494.3	494.3	493.9	493.1	492.3	491.5	490.7
122.5°	530.7	530.5	530.1	529.4	528.8	528.1	527.5
125°	584.2	583.8	583.5	583.4	583.1	582.9	582.7
127.5°	637.9	637.7	637.4	637.0	636.5	636.1	635.7
130°	673.2	673.0	672.7	672.3	671.9	671.5	671.1
132.5°	707.1	706.9	706.5	705.9	705.4	704.8	704.3
135°	759.5	759.5	759.1	758.2	757.4	756.6	755.7
137.5°	810.5	810.7	810.3	809.3	808.3	807.2	806.2
140°	842.6	843.0	842.7	841.7	840.7	839.6	838.6
142.5°	873.8	874.0	873.6	872.6	871.6	870.6	869.6
145°	918.7	918.7	918.4	917.8	917.2	916.6	915.9
147.5°	961.1	961.6	961.1	959.7	958.3	957.0	955.5
150°	986.8	986.8	986.7	986.2	985.8	985.4	985.0
152.5°	1011.9	1012.3	1012.3	1011.5	1010.7	1010.0	1009.3
155°	1047.3	1048.1	1048.0	1046.9	1045.9	1045.0	1043.9
157.5°	1077.7	1078.5	1078.2	1076.9	1075.5	1074.2	1072.9
160°	1096.1	1096.9	1096.8	1095.7	1094.7	1093.7	1092.7
162.5°	1113.5	1114.5	1114.4	1113.2	1112.0	1110.8	1109.6
165°	1136.5	1137.4	1137.2	1136.0	1134.7	1133.5	1132.3
167.5°	1154.2	1155.4	1155.4	1154.1	1152.9	1151.6	1150.3
170°	1164.5	1165.7	1165.6	1164.2	1162.8	1161.3	1159.9
172.5°	1171.9	1173.1	1173.1	1171.8	1170.5	1169.3	1168.0
175°	1180.1	1181.4	1181.3	1179.9	1178.5	1176.9	1175.5
177.5°	1183.7	1184.6	1184.6	1183.4	1182.3	1181.1	1180.0
180°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9

(END OF REPORT)