

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: P333569-940

Luminaire Tested: **S125RDIP-S850D1035U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333569-940
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: S125RDIP-S850D1035U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6116.9 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

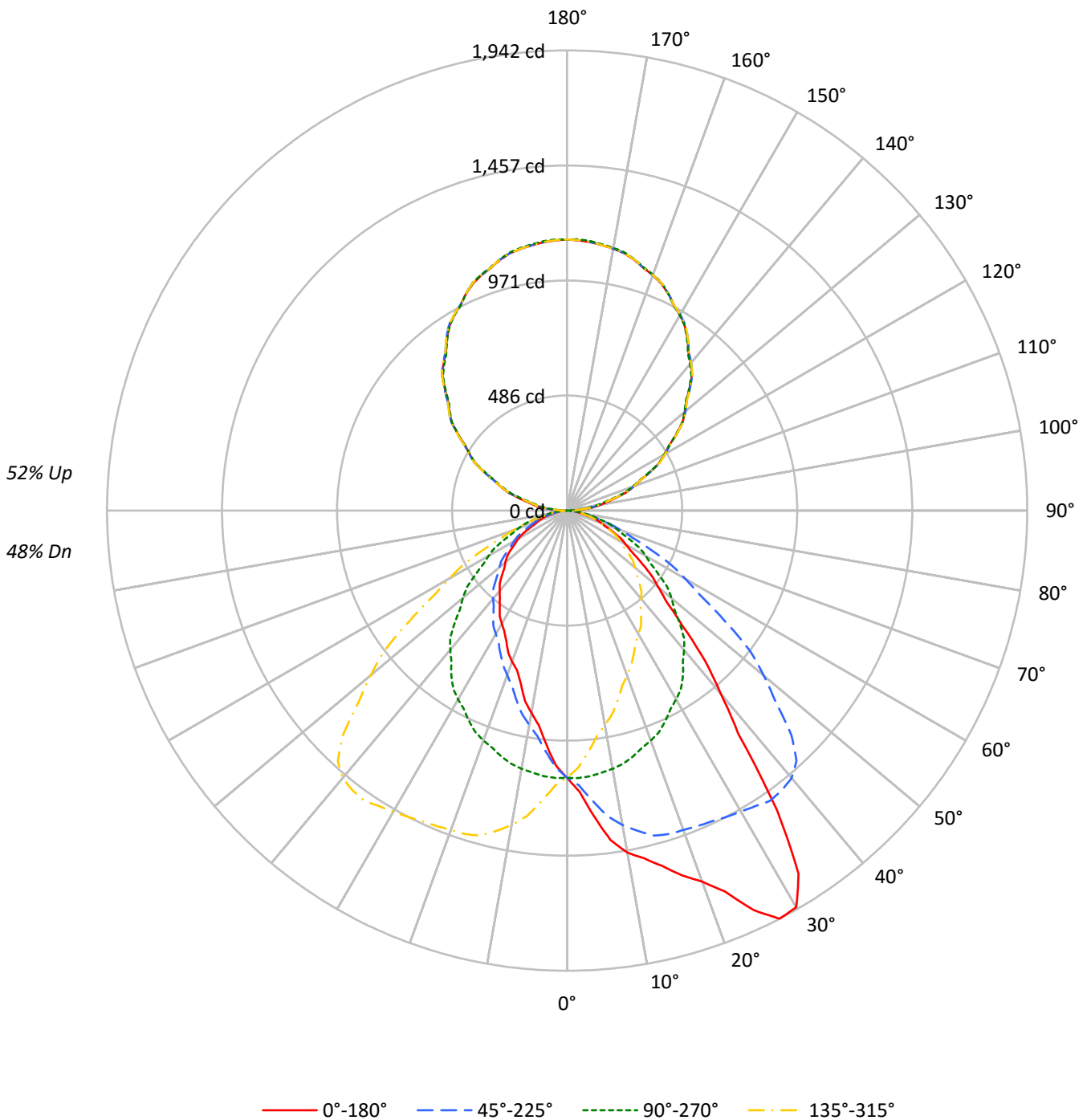
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	98	94	90	86	90	86	83	80	73	70	68	60	58	57	48	47	47	41
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	43	41	40	35
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30
4	75	64	57	51	69	60	53	48	51	46	41	42	39	36	35	32	30	26
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	21	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14
10	47	35	28	24	44	33	27	22	29	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7284	7284	7284	7284
5°	8381	7295	6442	7295
10°	9613	7257	5684	7257
15°	10384	7182	5052	7182
20°	11450	7096	4665	7096
25°	13251	6981	4329	6981
30°	14420	6861	4109	6861
35°	12163	6720	3906	6720
40°	8494	6468	3731	6468
45°	6301	6128	3561	6128
50°	5025	5773	3414	5773
55°	4264	5334	3284	5334
60°	3685	4941	3074	4941
65°	3283	4514	2647	4514
70°	2885	4135	2413	4135
75°	2495	3583	2266	3583
80°	1893	3016	1893	3016
85°	1578	2364	1786	2364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	1.8
10°-20°	317.0	5.2
20°-30°	502.6	8.2
30°-40°	606.1	9.9
40°-50°	541.2	8.8
50°-60°	415.1	6.8
60°-70°	269.7	4.4
70°-80°	131.1	2.1
80°-90°	33.8	0.6
90°-100°	76.6	1.3
100°-110°	226.3	3.7
110°-120°	383.2	6.3
120°-130°	504.3	8.2
130°-140°	565.1	9.2
140°-150°	553.9	9.1
150°-160°	465.2	7.6
160°-170°	309.2	5.1
170°-180°	108.2	1.8
0°-30°	927.7	15.2
0°-40°	1533.8	25.1
0°-60°	2490.1	40.7
0°-90°	2924.7	47.8
90°-120°	686.1	11.2
90°-150°	2309.5	37.8
90°-180°	3192.0	52.2
0°-180°	6116.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1128	1128	1128	1128	1128	
5°	1293	1125	994	1125	1293	129
15°	1553	1074	756	1074	1553	445
25°	1860	980	608	980	1860	854
35°	1543	852	495	852	1543	932
45°	690	671	390	671	690	550
55°	379	474	292	474	379	344
65°	215	295	173	295	215	214
75°	100	144	91	144	100	106
85°	21	32	24	32	21	25
90°	21	1	21	1	21	13
95°	77	58	77	58	77	78
105°	221	203	221	203	221	234
115°	387	384	387	384	387	383
125°	564	560	564	560	564	503
135°	731	728	731	728	731	564
145°	886	882	886	882	886	553
155°	1010	1010	1010	1010	1010	465
165°	1095	1098	1095	1098	1095	309
175°	1137	1141	1137	1141	1137	108
180°	1144	1144	1144	1144	1144	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1186.4	1185.7	1187.2	1183.1	1183.5	1177.1	1177.1	1172.3	1166.1	1161.3	1159.0
5°	1292.7	1293.7	1291.8	1284.9	1280.2	1273.3	1265.4	1251.5	1239.9	1228.9	1220.0
7.5°	1402.2	1402.8	1396.8	1394.6	1383.0	1374.4	1356.9	1338.0	1321.2	1299.9	1283.7
10°	1465.9	1465.4	1459.0	1453.8	1443.7	1430.7	1413.6	1391.3	1370.6	1347.4	1325.2
12.5°	1503.0	1501.7	1499.7	1493.5	1484.1	1472.6	1458.0	1436.2	1410.5	1385.2	1359.2
15°	1553.0	1549.7	1543.7	1535.8	1522.4	1509.0	1492.8	1473.4	1448.8	1420.0	1396.0
17.5°	1614.8	1614.9	1605.7	1594.7	1576.5	1552.8	1527.8	1496.4	1463.0	1431.5	1405.8
20°	1666.0	1664.6	1655.3	1634.0	1613.2	1583.5	1554.8	1516.4	1475.6	1434.4	1402.5
22.5°	1739.3	1735.7	1726.1	1698.1	1665.8	1627.6	1583.7	1536.8	1487.5	1440.7	1398.8
25°	1859.5	1856.7	1837.7	1805.4	1760.0	1701.1	1643.7	1579.4	1508.5	1447.0	1396.0
27.5°	1941.7	1938.7	1924.6	1897.6	1855.8	1793.9	1716.2	1630.2	1541.8	1457.1	1383.6
30°	1933.6	1940.5	1938.7	1926.2	1894.7	1839.2	1767.4	1670.6	1565.5	1465.9	1378.4
32.5°	1817.2	1823.5	1839.8	1864.3	1866.2	1844.0	1790.3	1700.9	1592.1	1478.9	1374.3
35°	1542.7	1551.1	1582.6	1632.2	1696.9	1751.1	1762.3	1714.1	1616.4	1494.6	1368.2
37.5°	1186.1	1231.6	1258.1	1310.3	1408.2	1507.9	1603.7	1639.0	1597.4	1488.2	1358.3
40°	1007.5	1018.6	1065.9	1124.7	1207.1	1310.8	1447.4	1546.0	1549.3	1473.4	1342.7
42.5°	862.3	876.4	908.8	955.7	1026.4	1130.1	1271.0	1401.2	1461.5	1432.6	1322.4
45°	689.9	700.5	724.2	760.3	814.5	900.1	1021.5	1171.9	1291.4	1338.1	1267.7
47.5°	566.8	572.5	593.1	620.5	660.7	723.1	817.0	947.6	1090.9	1191.3	1181.4
50°	500.1	506.6	522.3	543.1	576.9	629.7	704.7	813.5	961.3	1084.0	1108.5
52.5°	448.2	453.6	463.4	483.1	511.0	551.5	612.1	710.5	843.5	973.9	1030.6
55°	378.7	382.5	390.3	401.4	423.7	452.8	505.2	573.2	680.6	812.2	895.5
57.5°	321.6	323.3	328.4	338.7	354.0	375.3	413.1	470.8	547.9	666.3	758.2
60°	285.3	287.0	293.6	300.5	312.5	332.0	361.6	401.9	476.0	573.6	666.7
62.5°	256.4	257.4	260.2	267.2	277.7	292.7	316.0	348.9	407.9	493.7	581.6
65°	214.8	215.3	216.2	221.8	228.3	239.4	254.7	277.8	322.3	387.1	464.8
67.5°	175.0	175.7	178.9	180.8	187.6	193.4	202.4	220.2	251.5	295.2	355.6
70°	152.8	152.3	155.6	157.9	160.2	167.1	173.2	187.5	207.0	240.3	290.8
72.5°	132.1	130.8	132.2	133.0	136.2	140.9	146.9	155.7	170.7	193.6	232.3
75°	100.0	100.5	100.5	101.4	103.7	105.6	107.5	112.1	120.4	135.6	156.5
77.5°	70.2	69.5	71.4	71.7	73.0	75.1	76.7	78.6	81.9	88.3	99.0
80°	50.9	50.9	51.4	52.8	52.3	53.2	55.6	57.4	61.6	65.3	69.0
82.5°	39.1	38.7	39.1	39.4	39.3	40.3	41.1	41.5	43.1	44.9	47.5
85°	21.3	21.3	21.8	21.8	22.2	22.2	22.6	22.6	22.6	23.2	23.6
87.5°	12.4	11.9	11.4	11.3	11.6	12.1	11.6	11.1	10.8	10.6	10.7
90°	21.4	20.8	20.2	19.6	19.0	18.2	17.2	16.2	15.2	14.3	12.8
92.5°	42.0	41.6	41.1	40.8	40.3	39.4	38.1	36.8	35.5	34.2	32.5
95°	76.6	76.2	75.8	75.3	75.0	74.1	72.7	71.3	69.9	68.6	66.6
97.5°	116.1	115.8	115.7	115.4	115.1	114.4	113.1	111.7	110.5	109.1	106.4
100°	146.0	145.6	145.2	144.8	144.5	143.3	141.5	139.7	137.9	136.2	133.7
102.5°	175.9	175.4	174.8	174.2	173.7	172.5	170.5	168.5	166.7	164.7	163.4
105°	220.8	220.2	219.6	219.0	218.4	217.5	216.3	215.2	213.9	212.8	211.6
107.5°	266.7	266.8	266.8	266.8	266.9	266.6	266.0	265.4	264.8	264.2	263.3
110°	300.9	301.1	301.3	301.5	301.7	301.5	300.9	300.3	299.7	299.1	298.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	334.4	334.7	335.1	335.5	335.8	335.8	335.6	335.3	335.0	334.7	333.9
115°	387.3	387.4	387.6	387.8	388.1	388.3	388.4	388.6	388.9	389.1	388.6
117.5°	438.9	439.7	440.5	441.2	442.0	442.4	442.2	442.0	441.9	441.8	441.4
120°	474.5	475.3	476.1	476.9	477.7	478.0	478.0	478.0	478.0	478.0	477.9
122.5°	510.1	510.8	511.4	512.0	512.6	513.0	513.2	513.4	513.5	513.6	513.2
125°	563.6	563.7	563.9	564.1	564.3	564.6	565.0	565.4	565.8	566.2	566.0
127.5°	614.8	615.2	615.5	616.0	616.4	616.7	616.9	617.1	617.2	617.5	617.2
130°	649.0	649.3	649.8	650.1	650.6	650.9	651.0	651.2	651.5	651.7	651.2
132.5°	681.0	681.6	682.2	682.7	683.2	683.6	683.9	684.0	684.2	684.4	684.5
135°	730.8	731.6	732.5	733.3	734.1	734.4	734.4	734.4	734.4	734.4	734.2
137.5°	779.7	780.7	781.7	782.7	783.6	784.0	783.7	783.5	783.3	783.0	782.7
140°	811.0	812.0	813.0	814.0	814.9	815.3	814.8	814.5	814.0	813.7	813.1
142.5°	840.9	842.0	842.9	843.9	844.9	845.3	845.0	844.8	844.5	844.3	843.6
145°	885.8	886.4	887.0	887.6	888.1	888.5	888.5	888.5	888.5	888.5	887.9
147.5°	924.1	925.4	926.8	928.1	929.4	929.9	929.4	928.9	928.4	928.0	927.5
150°	952.5	953.0	953.3	953.8	954.1	954.3	954.3	954.3	954.3	954.3	953.5
152.5°	976.1	976.8	977.5	978.2	978.9	979.0	978.6	978.1	977.6	977.1	976.8
155°	1009.5	1010.5	1011.5	1012.5	1013.5	1013.6	1012.8	1012.0	1011.2	1010.4	1010.2
157.5°	1037.5	1038.8	1040.1	1041.4	1042.7	1042.9	1042.1	1041.3	1040.6	1039.8	1039.6
160°	1056.7	1057.7	1058.7	1059.7	1060.7	1060.8	1060.0	1059.2	1058.4	1057.6	1057.4
162.5°	1073.1	1074.2	1075.4	1076.6	1077.7	1077.8	1076.8	1075.8	1075.0	1074.0	1074.0
165°	1095.0	1096.2	1097.3	1098.6	1099.7	1099.9	1099.1	1098.3	1097.6	1096.8	1096.5
167.5°	1112.4	1113.7	1114.9	1116.2	1117.3	1117.4	1116.2	1115.0	1113.8	1112.6	1112.6
170°	1121.7	1123.1	1124.4	1125.9	1127.2	1127.3	1126.1	1125.0	1123.8	1122.6	1122.6
172.5°	1129.5	1130.8	1132.0	1133.2	1134.4	1134.4	1133.3	1132.1	1130.9	1129.7	1129.7
175°	1136.8	1138.2	1139.6	1141.0	1142.4	1142.5	1141.3	1140.1	1138.9	1137.7	1137.7
177.5°	1141.1	1142.2	1143.4	1144.4	1145.6	1145.6	1144.7	1143.7	1142.8	1141.8	1142.0
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1159.0	1156.5	1151.6	1147.2	1141.7	1136.8	1133.5	1129.4	1124.2	1117.9	1112.8
5°	1210.3	1200.2	1186.7	1175.2	1160.3	1148.8	1136.8	1125.2	1113.6	1098.8	1085.7
7.5°	1267.2	1246.2	1225.7	1200.0	1176.6	1155.7	1135.8	1115.5	1095.7	1074.7	1054.4
10°	1302.0	1276.6	1248.3	1215.8	1186.2	1158.0	1132.1	1106.6	1079.8	1056.1	1030.6
12.5°	1334.6	1301.7	1269.4	1228.5	1192.9	1158.4	1125.4	1093.7	1065.0	1034.3	1007.0
15°	1364.1	1331.7	1295.6	1245.5	1196.0	1154.3	1115.4	1074.2	1038.6	1004.3	973.7
17.5°	1375.5	1341.5	1299.5	1251.4	1197.3	1144.9	1094.8	1049.5	1007.6	967.7	933.4
20°	1371.0	1338.1	1295.0	1249.2	1191.3	1136.8	1082.5	1032.5	985.8	943.6	907.0
22.5°	1360.2	1326.2	1284.7	1236.3	1181.3	1123.4	1065.5	1012.2	963.1	919.5	879.7
25°	1344.2	1297.9	1255.3	1208.0	1155.7	1098.3	1038.6	979.7	927.5	883.0	839.5
27.5°	1327.4	1269.6	1215.4	1168.5	1113.2	1061.9	1004.4	944.1	889.1	843.8	799.2
30°	1312.2	1247.4	1187.7	1134.4	1082.1	1033.5	978.8	920.0	863.5	816.8	771.4
32.5°	1293.3	1224.4	1158.8	1097.3	1046.9	998.6	949.2	893.0	837.9	789.7	743.6
35°	1269.6	1181.6	1110.4	1045.0	989.0	942.3	897.8	852.4	797.3	747.3	702.4
37.5°	1238.5	1138.6	1056.1	985.1	926.0	879.0	843.9	802.5	752.2	704.3	662.5
40°	1219.6	1107.5	1017.3	946.9	884.8	835.3	802.5	767.2	721.4	676.5	634.8
42.5°	1194.4	1079.1	978.0	904.6	842.2	794.5	761.3	730.6	692.1	649.8	605.2
45°	1145.0	1023.8	917.7	839.0	776.1	729.2	698.2	670.9	641.8	602.9	563.9
47.5°	1080.8	966.1	855.1	769.2	707.5	664.1	634.0	612.4	591.6	558.5	520.7
50°	1029.3	918.6	810.3	726.9	661.2	620.0	591.7	574.6	555.6	525.5	494.0
52.5°	968.6	869.8	763.6	678.4	616.4	577.7	550.6	533.5	517.8	493.3	463.3
55°	872.8	786.2	688.9	611.6	554.7	515.8	489.9	473.7	464.4	443.5	420.0
57.5°	762.3	700.3	614.5	539.9	489.6	451.2	432.2	418.4	408.0	393.2	376.6
60°	685.3	641.8	564.9	494.0	447.7	411.2	394.0	382.5	372.7	360.3	347.2
62.5°	607.1	575.4	508.5	447.7	405.1	374.5	358.5	348.0	336.8	328.4	315.8
65°	502.4	474.1	427.8	380.1	340.8	316.2	304.7	295.4	288.5	279.2	270.4
67.5°	390.7	379.3	347.3	314.5	286.2	264.4	254.4	247.9	239.6	234.0	228.0
70°	322.3	316.7	294.0	272.2	245.8	231.0	221.8	219.0	208.8	203.3	199.1
72.5°	261.5	259.0	245.8	230.8	212.1	199.2	190.6	187.5	181.0	176.6	173.9
75°	179.1	180.1	177.8	168.1	161.1	152.8	145.3	143.6	138.9	135.2	132.9
77.5°	113.3	118.1	118.2	117.8	115.0	109.9	106.8	105.5	100.9	99.5	99.0
80°	77.8	82.8	87.5	87.0	86.1	84.7	82.4	81.1	78.7	77.3	76.4
82.5°	51.9	56.6	60.5	63.0	62.8	61.4	59.8	59.2	58.7	57.7	57.5
85°	24.5	25.5	26.8	30.1	32.4	32.9	32.4	31.9	30.6	31.0	31.5
87.5°	10.8	10.5	10.6	10.3	9.6	11.1	11.9	12.0	11.6	11.1	10.8
90°	11.5	10.1	8.7	7.2	5.6	4.0	2.5	0.9	2.5	4.0	5.6
92.5°	30.8	29.1	27.4	25.9	24.9	23.7	22.6	21.6	22.6	23.7	24.9
95°	64.6	62.6	60.6	59.5	59.0	58.7	58.2	57.9	58.2	58.7	59.0
97.5°	103.7	100.9	98.3	96.8	96.7	96.5	96.3	96.1	96.3	96.5	96.7
100°	131.1	128.5	125.9	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
102.5°	162.1	160.8	159.4	158.5	157.7	156.9	156.0	155.2	156.0	156.9	157.7
105°	210.4	209.2	208.0	207.0	206.0	204.9	203.9	203.0	203.9	204.9	206.0
107.5°	262.4	261.4	260.6	259.7	258.7	257.6	256.6	255.7	256.6	257.6	258.7
110°	297.9	297.3	296.8	296.0	295.0	294.0	293.0	292.0	293.0	294.0	295.0



TEST NUMBER: P333569-940

CATALOG NUMBER: S125RDIP-S850D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	333.2	332.5	331.7	331.1	330.6	330.0	329.6	329.0	329.6	330.0	330.6
115°	388.3	387.8	387.4	386.8	386.1	385.3	384.5	383.7	384.5	385.3	386.1
117.5°	441.0	440.7	440.3	440.0	439.6	439.3	438.9	438.5	438.9	439.3	439.6
120°	477.7	477.4	477.2	476.7	475.7	474.7	473.7	472.7	473.7	474.7	475.7
122.5°	512.6	512.1	511.6	511.2	510.9	510.5	510.1	509.8	510.1	510.5	510.9
125°	565.8	565.6	565.4	564.7	563.6	562.3	561.2	560.0	561.2	562.3	563.6
127.5°	617.0	616.8	616.5	616.1	615.4	614.7	614.0	613.4	614.0	614.7	615.4
130°	650.9	650.5	650.1	649.3	648.4	647.4	646.4	645.4	646.4	647.4	648.4
132.5°	684.6	684.7	684.7	683.9	682.3	680.7	679.1	677.4	679.1	680.7	682.3
135°	734.1	733.9	733.7	733.0	731.7	730.6	729.4	728.3	729.4	730.6	731.7
137.5°	782.2	781.8	781.3	780.5	779.4	778.2	777.0	776.0	777.0	778.2	779.4
140°	812.5	811.9	811.3	810.5	809.5	808.5	807.5	806.6	807.5	808.5	809.5
142.5°	842.8	842.0	841.3	840.5	839.6	838.8	838.0	837.1	838.0	838.8	839.6
145°	887.3	886.7	886.1	885.4	884.6	883.8	883.1	882.3	883.1	883.8	884.6
147.5°	927.0	926.6	926.1	925.6	925.2	924.8	924.3	923.9	924.3	924.8	925.2
150°	952.8	952.0	951.2	950.9	951.1	951.3	951.5	951.6	951.5	951.3	951.1
152.5°	976.5	976.2	975.9	975.5	975.3	975.0	974.7	974.5	974.7	975.0	975.3
155°	1010.0	1009.9	1009.6	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
157.5°	1039.4	1039.2	1039.0	1039.1	1039.6	1040.0	1040.4	1040.9	1040.4	1040.0	1039.6
160°	1057.2	1057.0	1056.9	1057.0	1057.6	1058.2	1058.8	1059.4	1058.8	1058.2	1057.6
162.5°	1073.9	1073.9	1073.8	1074.1	1074.4	1074.9	1075.3	1075.8	1075.3	1074.9	1074.4
165°	1096.4	1096.2	1096.0	1096.1	1096.4	1096.9	1097.3	1097.7	1097.3	1096.9	1096.4
167.5°	1112.6	1112.6	1112.6	1113.0	1113.8	1114.6	1115.4	1116.2	1115.4	1114.6	1113.8
170°	1122.6	1122.6	1122.6	1123.0	1123.8	1124.5	1125.3	1126.1	1125.3	1124.5	1123.8
172.5°	1129.7	1129.7	1129.7	1130.2	1130.9	1131.7	1132.5	1133.3	1132.5	1131.7	1130.9
175°	1137.7	1137.7	1137.7	1138.1	1138.9	1139.7	1140.5	1141.3	1140.5	1139.7	1138.9
177.5°	1142.1	1142.3	1142.5	1142.8	1143.4	1144.2	1144.8	1145.4	1144.8	1144.2	1143.4
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333569-940

CATALOG NUMBER: S125RDIP-S850D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1109.0	1103.8	1100.1	1092.7	1087.5	1085.3	1081.3	1080.1	1084.2	1081.3	1080.8
5°	1076.0	1062.7	1052.0	1041.3	1029.7	1022.3	1011.2	1009.4	1006.6	1002.5	1001.5
7.5°	1036.5	1019.0	1005.3	987.7	972.4	960.1	946.2	939.7	936.0	930.7	923.5
10°	1009.9	989.0	970.4	952.9	933.9	918.6	904.7	894.1	887.2	880.7	877.9
12.5°	983.6	962.3	938.6	917.3	896.2	879.0	863.6	856.7	849.0	841.4	834.9
15°	942.7	914.4	888.5	864.0	846.0	827.4	812.6	802.5	790.9	787.6	775.1
17.5°	899.4	871.6	841.3	815.5	794.5	774.2	757.9	746.3	737.6	725.7	719.9
20°	872.4	839.5	809.9	786.2	763.0	739.0	722.3	712.6	704.3	694.6	689.9
22.5°	843.5	811.3	781.0	753.2	729.7	706.1	694.2	684.0	674.6	665.7	659.5
25°	801.0	768.7	736.6	707.9	683.4	666.3	652.4	640.8	635.7	627.0	620.5
27.5°	759.1	724.6	691.4	662.9	643.6	626.7	615.3	606.1	596.9	589.2	583.6
30°	732.0	696.9	660.8	638.0	617.7	601.5	589.0	580.1	573.2	566.2	562.1
32.5°	705.0	668.7	636.7	612.1	592.8	578.9	566.0	557.6	550.3	542.6	537.7
35°	661.6	624.6	598.7	574.6	555.6	542.7	533.9	521.8	515.8	510.2	505.2
37.5°	621.3	586.9	558.8	537.8	521.3	508.4	497.0	490.5	483.1	478.1	473.9
40°	591.7	560.3	534.8	512.6	500.5	486.2	475.5	467.2	461.6	455.1	450.5
42.5°	565.1	535.8	511.0	491.1	476.1	464.0	453.7	445.3	438.3	433.6	429.8
45°	527.4	498.2	474.1	455.6	441.8	430.2	419.5	415.4	406.1	400.6	398.7
47.5°	488.4	462.3	439.1	422.0	407.8	396.8	386.8	378.3	373.2	367.7	364.8
50°	462.1	437.1	415.4	398.7	384.8	372.7	363.5	357.9	351.0	345.9	342.1
52.5°	435.8	412.7	390.9	375.0	362.9	350.9	340.5	334.9	328.4	325.1	322.5
55°	398.2	373.6	355.2	339.4	326.9	315.8	306.0	300.5	296.3	293.1	292.1
57.5°	355.6	336.2	319.0	304.8	291.8	281.3	272.8	267.5	263.9	263.3	260.6
60°	327.8	310.2	294.4	279.2	268.0	258.3	250.9	245.0	241.2	240.8	239.9
62.5°	300.1	283.2	268.6	255.1	245.1	235.8	228.7	221.9	219.7	217.4	215.4
65°	258.9	243.5	231.5	220.9	210.2	202.3	195.4	191.2	186.1	183.3	178.3
67.5°	218.4	206.5	194.9	185.9	177.6	170.1	164.3	158.2	154.7	152.5	148.8
70°	191.7	182.4	170.9	161.1	154.6	148.6	144.0	137.1	134.7	132.9	131.0
72.5°	166.5	158.4	148.6	140.8	134.3	128.6	123.2	120.0	117.7	115.8	114.8
75°	131.0	123.1	114.9	109.2	104.7	100.0	97.2	94.9	94.0	93.5	91.7
77.5°	96.2	92.0	85.3	81.0	77.8	76.1	73.6	72.3	72.2	70.2	69.6
80°	73.7	71.3	65.7	63.9	61.6	59.7	58.3	56.0	53.7	52.8	51.4
82.5°	54.8	52.4	50.2	47.3	45.3	44.1	42.8	41.9	42.3	40.9	40.3
85°	29.2	26.8	25.9	25.5	24.5	25.5	25.0	24.5	24.1	23.6	24.1
87.5°	10.7	11.0	10.9	11.9	11.1	11.8	11.9	11.8	11.9	12.1	11.9
90°	7.2	8.7	10.1	11.5	12.8	14.3	15.2	16.2	17.2	18.2	19.0
92.5°	25.9	27.4	29.1	30.8	32.5	34.2	35.5	36.8	38.1	39.4	40.3
95°	59.5	60.6	62.6	64.6	66.6	68.6	69.9	71.3	72.7	74.1	75.0
97.5°	96.8	98.3	100.9	103.7	106.4	109.1	110.5	111.7	113.1	114.4	115.1
100°	124.7	125.9	128.5	131.1	133.7	136.2	137.9	139.7	141.5	143.3	144.5
102.5°	158.5	159.4	160.8	162.1	163.4	164.7	166.7	168.5	170.5	172.5	173.7
105°	207.0	208.0	209.2	210.4	211.6	212.8	213.9	215.2	216.3	217.5	218.4
107.5°	259.7	260.6	261.4	262.4	263.3	264.2	264.8	265.4	266.0	266.6	266.9
110°	296.0	296.8	297.3	297.9	298.5	299.1	299.7	300.3	300.9	301.5	301.7



TEST NUMBER: P333569-940

CATALOG NUMBER: S125RDIP-S850D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	331.1	331.7	332.5	333.2	333.9	334.7	335.0	335.3	335.6	335.8	335.8
115°	386.8	387.4	387.8	388.3	388.6	389.1	388.9	388.6	388.4	388.3	388.1
117.5°	440.0	440.3	440.7	441.0	441.4	441.8	441.9	442.0	442.2	442.4	442.0
120°	476.7	477.2	477.4	477.7	477.9	478.0	478.0	478.0	478.0	478.0	477.7
122.5°	511.2	511.6	512.1	512.6	513.2	513.6	513.5	513.4	513.2	513.0	512.6
125°	564.7	565.4	565.6	565.8	566.0	566.2	565.8	565.4	565.0	564.6	564.3
127.5°	616.1	616.5	616.8	617.0	617.2	617.5	617.2	617.1	616.9	616.7	616.4
130°	649.3	650.1	650.5	650.9	651.2	651.7	651.5	651.2	651.0	650.9	650.6
132.5°	683.9	684.7	684.7	684.6	684.5	684.4	684.2	684.0	683.9	683.6	683.2
135°	733.0	733.7	733.9	734.1	734.2	734.4	734.4	734.4	734.4	734.4	734.1
137.5°	780.5	781.3	781.8	782.2	782.7	783.0	783.3	783.5	783.7	784.0	783.6
140°	810.5	811.3	811.9	812.5	813.1	813.7	814.0	814.5	814.8	815.3	814.9
142.5°	840.5	841.3	842.0	842.8	843.6	844.3	844.5	844.8	845.0	845.3	844.9
145°	885.4	886.1	886.7	887.3	887.9	888.5	888.5	888.5	888.5	888.5	888.1
147.5°	925.6	926.1	926.6	927.0	927.5	928.0	928.4	928.9	929.4	929.9	929.4
150°	950.9	951.2	952.0	952.8	953.5	954.3	954.3	954.3	954.3	954.3	954.1
152.5°	975.5	975.9	976.2	976.5	976.8	977.1	977.6	978.1	978.6	979.0	978.9
155°	1009.5	1009.6	1009.9	1010.0	1010.2	1010.4	1011.2	1012.0	1012.8	1013.6	1013.5
157.5°	1039.1	1039.0	1039.2	1039.4	1039.6	1039.8	1040.6	1041.3	1042.1	1042.9	1042.7
160°	1057.0	1056.9	1057.0	1057.2	1057.4	1057.6	1058.4	1059.2	1060.0	1060.8	1060.7
162.5°	1074.1	1073.8	1073.9	1073.9	1074.0	1074.0	1075.0	1075.8	1076.8	1077.8	1077.7
165°	1096.1	1096.0	1096.2	1096.4	1096.5	1096.8	1097.6	1098.3	1099.1	1099.9	1099.7
167.5°	1113.0	1112.6	1112.6	1112.6	1112.6	1112.6	1113.8	1115.0	1116.2	1117.4	1117.3
170°	1123.0	1122.6	1122.6	1122.6	1122.6	1122.6	1123.8	1125.0	1126.1	1127.3	1127.2
172.5°	1130.2	1129.7	1129.7	1129.7	1129.7	1129.7	1130.9	1132.1	1133.3	1134.4	1134.4
175°	1138.1	1137.7	1137.7	1137.7	1137.7	1137.7	1138.9	1140.1	1141.3	1142.5	1142.4
177.5°	1142.8	1142.5	1142.3	1142.1	1142.0	1141.8	1142.8	1143.7	1144.7	1145.6	1145.6
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333569-940

CATALOG NUMBER: S125RDIP-S850D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1080.5	1076.5	1075.3	1076.8	1075.3	1076.5	1080.5	1080.8	1081.3	1084.2	1080.1
5°	996.8	992.3	994.5	993.6	994.5	992.3	996.8	1001.5	1002.5	1006.6	1009.4
7.5°	923.4	917.6	911.5	913.5	911.5	917.6	923.4	923.5	930.7	936.0	939.7
10°	871.8	867.3	864.4	866.7	864.4	867.3	871.8	877.9	880.7	887.2	894.1
12.5°	828.5	825.7	823.3	822.3	823.3	825.7	828.5	834.9	841.4	849.0	856.7
15°	769.5	764.0	761.7	755.6	761.7	764.0	769.5	775.1	787.6	790.9	802.5
17.5°	715.2	713.4	707.3	704.7	707.3	713.4	715.2	719.9	725.7	737.6	746.3
20°	683.0	681.1	675.1	678.8	675.1	681.1	683.0	689.9	694.6	704.3	712.6
22.5°	656.3	652.2	650.2	649.2	650.2	652.2	656.3	659.5	665.7	674.6	684.0
25°	618.6	612.6	610.3	607.5	610.3	612.6	618.6	620.5	627.0	635.7	640.8
27.5°	581.0	577.7	574.7	574.0	574.7	577.7	581.0	583.6	589.2	596.9	606.1
30°	556.5	553.3	551.0	551.0	551.0	553.3	556.5	562.1	566.2	573.2	580.1
32.5°	534.7	532.2	529.9	529.5	529.9	532.2	534.7	537.7	542.6	550.3	557.6
35°	502.8	499.2	498.2	495.4	498.2	499.2	502.8	505.2	510.2	515.8	521.8
37.5°	469.8	466.7	466.6	466.4	466.6	466.7	469.8	473.9	478.1	483.1	490.5
40°	448.7	446.4	445.9	442.6	445.9	446.4	448.7	450.5	455.1	461.6	467.2
42.5°	426.1	424.9	423.3	421.9	423.3	424.9	426.1	429.8	433.6	438.3	445.3
45°	395.4	392.2	392.2	389.9	392.2	392.2	395.4	398.7	400.6	406.1	415.4
47.5°	363.7	361.2	361.5	359.1	361.5	361.2	363.7	364.8	367.7	373.2	378.3
50°	342.6	341.3	340.8	339.8	340.8	341.3	342.6	342.1	345.9	351.0	357.9
52.5°	321.6	320.8	322.6	320.6	322.6	320.8	321.6	322.5	325.1	328.4	334.9
55°	293.1	291.7	294.4	291.7	294.4	291.7	293.1	292.1	293.1	296.3	300.5
57.5°	260.4	259.1	261.6	260.2	261.6	259.1	260.4	260.6	263.3	263.9	267.5
60°	238.9	236.1	237.6	238.0	237.6	236.1	238.9	239.9	240.8	241.2	245.0
62.5°	213.4	211.7	212.7	210.6	212.7	211.7	213.4	215.4	217.4	219.7	221.9
65°	177.4	175.9	174.1	173.2	174.1	175.9	177.4	178.3	183.3	186.1	191.2
67.5°	149.0	145.7	145.6	146.3	145.6	145.7	149.0	148.8	152.5	154.7	158.2
70°	128.2	128.2	127.8	127.8	127.8	128.2	128.2	131.0	132.9	134.7	137.1
72.5°	113.8	113.4	112.6	112.3	112.6	113.4	113.8	114.8	115.8	117.7	120.0
75°	91.7	92.1	91.2	90.8	91.2	92.1	91.7	91.7	93.5	94.0	94.9
77.5°	67.7	65.7	66.8	65.7	66.8	65.7	67.7	69.6	70.2	72.2	72.3
80°	51.4	50.9	52.3	50.9	52.3	50.9	51.4	51.4	52.8	53.7	56.0
82.5°	40.7	40.2	40.8	39.9	40.8	40.2	40.7	40.3	40.9	42.3	41.9
85°	24.5	24.1	23.6	24.1	23.6	24.1	24.5	24.1	23.6	24.1	24.5
87.5°	12.4	12.2	12.3	12.4	12.3	12.2	12.4	11.9	12.1	11.9	11.8
90°	19.6	20.2	20.8	21.4	20.8	20.2	19.6	19.0	18.2	17.2	16.2
92.5°	40.8	41.1	41.6	42.0	41.6	41.1	40.8	40.3	39.4	38.1	36.8
95°	75.3	75.8	76.2	76.6	76.2	75.8	75.3	75.0	74.1	72.7	71.3
97.5°	115.4	115.7	115.8	116.1	115.8	115.7	115.4	115.1	114.4	113.1	111.7
100°	144.8	145.2	145.6	146.0	145.6	145.2	144.8	144.5	143.3	141.5	139.7
102.5°	174.2	174.8	175.4	175.9	175.4	174.8	174.2	173.7	172.5	170.5	168.5
105°	219.0	219.6	220.2	220.8	220.2	219.6	219.0	218.4	217.5	216.3	215.2
107.5°	266.8	266.8	266.8	266.7	266.8	266.8	266.8	266.9	266.6	266.0	265.4
110°	301.5	301.3	301.1	300.9	301.1	301.3	301.5	301.7	301.5	300.9	300.3



TEST NUMBER: P333569-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	335.5	335.1	334.7	334.4	334.7	335.1	335.5	335.8	335.8	335.6	335.3
115°	387.8	387.6	387.4	387.3	387.4	387.6	387.8	388.1	388.3	388.4	388.6
117.5°	441.2	440.5	439.7	438.9	439.7	440.5	441.2	442.0	442.4	442.2	442.0
120°	476.9	476.1	475.3	474.5	475.3	476.1	476.9	477.7	478.0	478.0	478.0
122.5°	512.0	511.4	510.8	510.1	510.8	511.4	512.0	512.6	513.0	513.2	513.4
125°	564.1	563.9	563.7	563.6	563.7	563.9	564.1	564.3	564.6	565.0	565.4
127.5°	616.0	615.5	615.2	614.8	615.2	615.5	616.0	616.4	616.7	616.9	617.1
130°	650.1	649.8	649.3	649.0	649.3	649.8	650.1	650.6	650.9	651.0	651.2
132.5°	682.7	682.2	681.6	681.0	681.6	682.2	682.7	683.2	683.6	683.9	684.0
135°	733.3	732.5	731.6	730.8	731.6	732.5	733.3	734.1	734.4	734.4	734.4
137.5°	782.7	781.7	780.7	779.7	780.7	781.7	782.7	783.6	784.0	783.7	783.5
140°	814.0	813.0	812.0	811.0	812.0	813.0	814.0	814.9	815.3	814.8	814.5
142.5°	843.9	842.9	842.0	840.9	842.0	842.9	843.9	844.9	845.3	845.0	844.8
145°	887.6	887.0	886.4	885.8	886.4	887.0	887.6	888.1	888.5	888.5	888.5
147.5°	928.1	926.8	925.4	924.1	925.4	926.8	928.1	929.4	929.9	929.4	928.9
150°	953.8	953.3	953.0	952.5	953.0	953.3	953.8	954.1	954.3	954.3	954.3
152.5°	978.2	977.5	976.8	976.1	976.8	977.5	978.2	978.9	979.0	978.6	978.1
155°	1012.5	1011.5	1010.5	1009.5	1010.5	1011.5	1012.5	1013.5	1013.6	1012.8	1012.0
157.5°	1041.4	1040.1	1038.8	1037.5	1038.8	1040.1	1041.4	1042.7	1042.9	1042.1	1041.3
160°	1059.7	1058.7	1057.7	1056.7	1057.7	1058.7	1059.7	1060.7	1060.8	1060.0	1059.2
162.5°	1076.6	1075.4	1074.2	1073.1	1074.2	1075.4	1076.6	1077.7	1077.8	1076.8	1075.8
165°	1098.6	1097.3	1096.2	1095.0	1096.2	1097.3	1098.6	1099.7	1099.9	1099.1	1098.3
167.5°	1116.2	1114.9	1113.7	1112.4	1113.7	1114.9	1116.2	1117.3	1117.4	1116.2	1115.0
170°	1125.9	1124.4	1123.1	1121.7	1123.1	1124.4	1125.9	1127.2	1127.3	1126.1	1125.0
172.5°	1133.2	1132.0	1130.8	1129.5	1130.8	1132.0	1133.2	1134.4	1134.4	1133.3	1132.1
175°	1141.0	1139.6	1138.2	1136.8	1138.2	1139.6	1141.0	1142.4	1142.5	1141.3	1140.1
177.5°	1144.4	1143.4	1142.2	1141.1	1142.2	1143.4	1144.4	1145.6	1145.6	1144.7	1143.7
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333569-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1081.3	1085.3	1087.5	1092.7	1100.1	1103.8	1109.0	1112.8	1117.9	1124.2	1129.4
5°	1011.2	1022.3	1029.7	1041.3	1052.0	1062.7	1076.0	1085.7	1098.8	1113.6	1125.2
7.5°	946.2	960.1	972.4	987.7	1005.3	1019.0	1036.5	1054.4	1074.7	1095.7	1115.5
10°	904.7	918.6	933.9	952.9	970.4	989.0	1009.9	1030.6	1056.1	1079.8	1106.6
12.5°	863.6	879.0	896.2	917.3	938.6	962.3	983.6	1007.0	1034.3	1065.0	1093.7
15°	812.6	827.4	846.0	864.0	888.5	914.4	942.7	973.7	1004.3	1038.6	1074.2
17.5°	757.9	774.2	794.5	815.5	841.3	871.6	899.4	933.4	967.7	1007.6	1049.5
20°	722.3	739.0	763.0	786.2	809.9	839.5	872.4	907.0	943.6	985.8	1032.5
22.5°	694.2	706.1	729.7	753.2	781.0	811.3	843.5	879.7	919.5	963.1	1012.2
25°	652.4	666.3	683.4	707.9	736.6	768.7	801.0	839.5	883.0	927.5	979.7
27.5°	615.3	626.7	643.6	662.9	691.4	724.6	759.1	799.2	843.8	889.1	944.1
30°	589.0	601.5	617.7	638.0	660.8	696.9	732.0	771.4	816.8	863.5	920.0
32.5°	566.0	578.9	592.8	612.1	636.7	668.7	705.0	743.6	789.7	837.9	893.0
35°	533.9	542.7	555.6	574.6	598.7	624.6	661.6	702.4	747.3	797.3	852.4
37.5°	497.0	508.4	521.3	537.8	558.8	586.9	621.3	662.5	704.3	752.2	802.5
40°	475.5	486.2	500.5	512.6	534.8	560.3	591.7	634.8	676.5	721.4	767.2
42.5°	453.7	464.0	476.1	491.1	511.0	535.8	565.1	605.2	649.8	692.1	730.6
45°	419.5	430.2	441.8	455.6	474.1	498.2	527.4	563.9	602.9	641.8	670.9
47.5°	386.8	396.8	407.8	422.0	439.1	462.3	488.4	520.7	558.5	591.6	612.4
50°	363.5	372.7	384.8	398.7	415.4	437.1	462.1	494.0	525.5	555.6	574.6
52.5°	340.5	350.9	362.9	375.0	390.9	412.7	435.8	463.3	493.3	517.8	533.5
55°	306.0	315.8	326.9	339.4	355.2	373.6	398.2	420.0	443.5	464.4	473.7
57.5°	272.8	281.3	291.8	304.8	319.0	336.2	355.6	376.6	393.2	408.0	418.4
60°	250.9	258.3	268.0	279.2	294.4	310.2	327.8	347.2	360.3	372.7	382.5
62.5°	228.7	235.8	245.1	255.1	268.6	283.2	300.1	315.8	328.4	336.8	348.0
65°	195.4	202.3	210.2	220.9	231.5	243.5	258.9	270.4	279.2	288.5	295.4
67.5°	164.3	170.1	177.6	185.9	194.9	206.5	218.4	228.0	234.0	239.6	247.9
70°	144.0	148.6	154.6	161.1	170.9	182.4	191.7	199.1	203.3	208.8	219.0
72.5°	123.2	128.6	134.3	140.8	148.6	158.4	166.5	173.9	176.6	181.0	187.5
75°	97.2	100.0	104.7	109.2	114.9	123.1	131.0	132.9	135.2	138.9	143.6
77.5°	73.6	76.1	77.8	81.0	85.3	92.0	96.2	99.0	99.5	100.9	105.5
80°	58.3	59.7	61.6	63.9	65.7	71.3	73.7	76.4	77.3	78.7	81.1
82.5°	42.8	44.1	45.3	47.3	50.2	52.4	54.8	57.5	57.7	58.7	59.2
85°	25.0	25.5	24.5	25.5	25.9	26.8	29.2	31.5	31.0	30.6	31.9
87.5°	11.9	11.8	11.1	11.9	10.9	11.0	10.7	10.8	11.1	11.6	12.0
90°	15.2	14.3	12.8	11.5	10.1	8.7	7.2	5.6	4.0	2.5	0.9
92.5°	35.5	34.2	32.5	30.8	29.1	27.4	25.9	24.9	23.7	22.6	21.6
95°	69.9	68.6	66.6	64.6	62.6	60.6	59.5	59.0	58.7	58.2	57.9
97.5°	110.5	109.1	106.4	103.7	100.9	98.3	96.8	96.7	96.5	96.3	96.1
100°	137.9	136.2	133.7	131.1	128.5	125.9	124.7	124.7	124.7	124.7	124.7
102.5°	166.7	164.7	163.4	162.1	160.8	159.4	158.5	157.7	156.9	156.0	155.2
105°	213.9	212.8	211.6	210.4	209.2	208.0	207.0	206.0	204.9	203.9	203.0
107.5°	264.8	264.2	263.3	262.4	261.4	260.6	259.7	258.7	257.6	256.6	255.7
110°	299.7	299.1	298.5	297.9	297.3	296.8	296.0	295.0	294.0	293.0	292.0



TEST NUMBER: P333569-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	335.0	334.7	333.9	333.2	332.5	331.7	331.1	330.6	330.0	329.6	329.0
115°	388.9	389.1	388.6	388.3	387.8	387.4	386.8	386.1	385.3	384.5	383.7
117.5°	441.9	441.8	441.4	441.0	440.7	440.3	440.0	439.6	439.3	438.9	438.5
120°	478.0	478.0	477.9	477.7	477.4	477.2	476.7	475.7	474.7	473.7	472.7
122.5°	513.5	513.6	513.2	512.6	512.1	511.6	511.2	510.9	510.5	510.1	509.8
125°	565.8	566.2	566.0	565.8	565.6	565.4	564.7	563.6	562.3	561.2	560.0
127.5°	617.2	617.5	617.2	617.0	616.8	616.5	616.1	615.4	614.7	614.0	613.4
130°	651.5	651.7	651.2	650.9	650.5	650.1	649.3	648.4	647.4	646.4	645.4
132.5°	684.2	684.4	684.5	684.6	684.7	684.7	683.9	682.3	680.7	679.1	677.4
135°	734.4	734.4	734.2	734.1	733.9	733.7	733.0	731.7	730.6	729.4	728.3
137.5°	783.3	783.0	782.7	782.2	781.8	781.3	780.5	779.4	778.2	777.0	776.0
140°	814.0	813.7	813.1	812.5	811.9	811.3	810.5	809.5	808.5	807.5	806.6
142.5°	844.5	844.3	843.6	842.8	842.0	841.3	840.5	839.6	838.8	838.0	837.1
145°	888.5	888.5	887.9	887.3	886.7	886.1	885.4	884.6	883.8	883.1	882.3
147.5°	928.4	928.0	927.5	927.0	926.6	926.1	925.6	925.2	924.8	924.3	923.9
150°	954.3	954.3	953.5	952.8	952.0	951.2	950.9	951.1	951.3	951.5	951.6
152.5°	977.6	977.1	976.8	976.5	976.2	975.9	975.5	975.3	975.0	974.7	974.5
155°	1011.2	1010.4	1010.2	1010.0	1009.9	1009.6	1009.5	1009.5	1009.5	1009.5	1009.5
157.5°	1040.6	1039.8	1039.6	1039.4	1039.2	1039.0	1039.1	1039.6	1040.0	1040.4	1040.9
160°	1058.4	1057.6	1057.4	1057.2	1057.0	1056.9	1057.0	1057.6	1058.2	1058.8	1059.4
162.5°	1075.0	1074.0	1074.0	1073.9	1073.9	1073.8	1074.1	1074.4	1074.9	1075.3	1075.8
165°	1097.6	1096.8	1096.5	1096.4	1096.2	1096.0	1096.1	1096.4	1096.9	1097.3	1097.7
167.5°	1113.8	1112.6	1112.6	1112.6	1112.6	1112.6	1113.0	1113.8	1114.6	1115.4	1116.2
170°	1123.8	1122.6	1122.6	1122.6	1122.6	1122.6	1123.0	1123.8	1124.5	1125.3	1126.1
172.5°	1130.9	1129.7	1129.7	1129.7	1129.7	1129.7	1130.2	1130.9	1131.7	1132.5	1133.3
175°	1138.9	1137.7	1137.7	1137.7	1137.7	1137.7	1138.1	1138.9	1139.7	1140.5	1141.3
177.5°	1142.8	1141.8	1142.0	1142.1	1142.3	1142.5	1142.8	1143.4	1144.2	1144.8	1145.4
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1133.5	1136.8	1141.7	1147.2	1151.6	1156.5	1159.0	1159.0	1161.3	1166.1	1172.3
5°	1136.8	1148.8	1160.3	1175.2	1186.7	1200.2	1210.3	1220.0	1228.9	1239.9	1251.5
7.5°	1135.8	1155.7	1176.6	1200.0	1225.7	1246.2	1267.2	1283.7	1299.9	1321.2	1338.0
10°	1132.1	1158.0	1186.2	1215.8	1248.3	1276.6	1302.0	1325.2	1347.4	1370.6	1391.3
12.5°	1125.4	1158.4	1192.9	1228.5	1269.4	1301.7	1334.6	1359.2	1385.2	1410.5	1436.2
15°	1115.4	1154.3	1196.0	1245.5	1295.6	1331.7	1364.1	1396.0	1420.0	1448.8	1473.4
17.5°	1094.8	1144.9	1197.3	1251.4	1299.5	1341.5	1375.5	1405.8	1431.5	1463.0	1496.4
20°	1082.5	1136.8	1191.3	1249.2	1295.0	1338.1	1371.0	1402.5	1434.4	1475.6	1516.4
22.5°	1065.5	1123.4	1181.3	1236.3	1284.7	1326.2	1360.2	1398.8	1440.7	1487.5	1536.8
25°	1038.6	1098.3	1155.7	1208.0	1255.3	1297.9	1344.2	1396.0	1447.0	1508.5	1579.4
27.5°	1004.4	1061.9	1113.2	1168.5	1215.4	1269.6	1327.4	1383.6	1457.1	1541.8	1630.2
30°	978.8	1033.5	1082.1	1134.4	1187.7	1247.4	1312.2	1378.4	1465.9	1565.5	1670.6
32.5°	949.2	998.6	1046.9	1097.3	1158.8	1224.4	1293.3	1374.3	1478.9	1592.1	1700.9
35°	897.8	942.3	989.0	1045.0	1110.4	1181.6	1269.6	1368.2	1494.6	1616.4	1714.1
37.5°	843.9	879.0	926.0	985.1	1056.1	1138.6	1238.5	1358.3	1488.2	1597.4	1639.0
40°	802.5	835.3	884.8	946.9	1017.3	1107.5	1219.6	1342.7	1473.4	1549.3	1546.0
42.5°	761.3	794.5	842.2	904.6	978.0	1079.1	1194.4	1322.4	1432.6	1461.5	1401.2
45°	698.2	729.2	776.1	839.0	917.7	1023.8	1145.0	1267.7	1338.1	1291.4	1171.9
47.5°	634.0	664.1	707.5	769.2	855.1	966.1	1080.8	1181.4	1191.3	1090.9	947.6
50°	591.7	620.0	661.2	726.9	810.3	918.6	1029.3	1108.5	1084.0	961.3	813.5
52.5°	550.6	577.7	616.4	678.4	763.6	869.8	968.6	1030.6	973.9	843.5	710.5
55°	489.9	515.8	554.7	611.6	688.9	786.2	872.8	895.5	812.2	680.6	573.2
57.5°	432.2	451.2	489.6	539.9	614.5	700.3	762.3	758.2	666.3	547.9	470.8
60°	394.0	411.2	447.7	494.0	564.9	641.8	685.3	666.7	573.6	476.0	401.9
62.5°	358.5	374.5	405.1	447.7	508.5	575.4	607.1	581.6	493.7	407.9	348.9
65°	304.7	316.2	340.8	380.1	427.8	474.1	502.4	464.8	387.1	322.3	277.8
67.5°	254.4	264.4	286.2	314.5	347.3	379.3	390.7	355.6	295.2	251.5	220.2
70°	221.8	231.0	245.8	272.2	294.0	316.7	322.3	290.8	240.3	207.0	187.5
72.5°	190.6	199.2	212.1	230.8	245.8	259.0	261.5	232.3	193.6	170.7	155.7
75°	145.3	152.8	161.1	168.1	177.8	180.1	179.1	156.5	135.6	120.4	112.1
77.5°	106.8	109.9	115.0	117.8	118.2	118.1	113.3	99.0	88.3	81.9	78.6
80°	82.4	84.7	86.1	87.0	87.5	82.8	77.8	69.0	65.3	61.6	57.4
82.5°	59.8	61.4	62.8	63.0	60.5	56.6	51.9	47.5	44.9	43.1	41.5
85°	32.4	32.9	32.4	30.1	26.8	25.5	24.5	23.6	23.2	22.6	22.6
87.5°	11.9	11.1	9.6	10.3	10.6	10.5	10.8	10.7	10.6	10.8	11.1
90°	2.5	4.0	5.6	7.2	8.7	10.1	11.5	12.8	14.3	15.2	16.2
92.5°	22.6	23.7	24.9	25.9	27.4	29.1	30.8	32.5	34.2	35.5	36.8
95°	58.2	58.7	59.0	59.5	60.6	62.6	64.6	66.6	68.6	69.9	71.3
97.5°	96.3	96.5	96.7	96.8	98.3	100.9	103.7	106.4	109.1	110.5	111.7
100°	124.7	124.7	124.7	124.7	125.9	128.5	131.1	133.7	136.2	137.9	139.7
102.5°	156.0	156.9	157.7	158.5	159.4	160.8	162.1	163.4	164.7	166.7	168.5
105°	203.9	204.9	206.0	207.0	208.0	209.2	210.4	211.6	212.8	213.9	215.2
107.5°	256.6	257.6	258.7	259.7	260.6	261.4	262.4	263.3	264.2	264.8	265.4
110°	293.0	294.0	295.0	296.0	296.8	297.3	297.9	298.5	299.1	299.7	300.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	329.6	330.0	330.6	331.1	331.7	332.5	333.2	333.9	334.7	335.0	335.3
115°	384.5	385.3	386.1	386.8	387.4	387.8	388.3	388.6	389.1	388.9	388.6
117.5°	438.9	439.3	439.6	440.0	440.3	440.7	441.0	441.4	441.8	441.9	442.0
120°	473.7	474.7	475.7	476.7	477.2	477.4	477.7	477.9	478.0	478.0	478.0
122.5°	510.1	510.5	510.9	511.2	511.6	512.1	512.6	513.2	513.6	513.5	513.4
125°	561.2	562.3	563.6	564.7	565.4	565.6	565.8	566.0	566.2	565.8	565.4
127.5°	614.0	614.7	615.4	616.1	616.5	616.8	617.0	617.2	617.5	617.2	617.1
130°	646.4	647.4	648.4	649.3	650.1	650.5	650.9	651.2	651.7	651.5	651.2
132.5°	679.1	680.7	682.3	683.9	684.7	684.7	684.6	684.5	684.4	684.2	684.0
135°	729.4	730.6	731.7	733.0	733.7	733.9	734.1	734.2	734.4	734.4	734.4
137.5°	777.0	778.2	779.4	780.5	781.3	781.8	782.2	782.7	783.0	783.3	783.5
140°	807.5	808.5	809.5	810.5	811.3	811.9	812.5	813.1	813.7	814.0	814.5
142.5°	838.0	838.8	839.6	840.5	841.3	842.0	842.8	843.6	844.3	844.5	844.8
145°	883.1	883.8	884.6	885.4	886.1	886.7	887.3	887.9	888.5	888.5	888.5
147.5°	924.3	924.8	925.2	925.6	926.1	926.6	927.0	927.5	928.0	928.4	928.9
150°	951.5	951.3	951.1	950.9	951.2	952.0	952.8	953.5	954.3	954.3	954.3
152.5°	974.7	975.0	975.3	975.5	975.9	976.2	976.5	976.8	977.1	977.6	978.1
155°	1009.5	1009.5	1009.5	1009.5	1009.6	1009.9	1010.0	1010.2	1010.4	1011.2	1012.0
157.5°	1040.4	1040.0	1039.6	1039.1	1039.0	1039.2	1039.4	1039.6	1039.8	1040.6	1041.3
160°	1058.8	1058.2	1057.6	1057.0	1056.9	1057.0	1057.2	1057.4	1057.6	1058.4	1059.2
162.5°	1075.3	1074.9	1074.4	1074.1	1073.8	1073.9	1073.9	1074.0	1074.0	1075.0	1075.8
165°	1097.3	1096.9	1096.4	1096.1	1096.0	1096.2	1096.4	1096.5	1096.8	1097.6	1098.3
167.5°	1115.4	1114.6	1113.8	1113.0	1112.6	1112.6	1112.6	1112.6	1112.6	1113.8	1115.0
170°	1125.3	1124.5	1123.8	1123.0	1122.6	1122.6	1122.6	1122.6	1122.6	1123.8	1125.0
172.5°	1132.5	1131.7	1130.9	1130.2	1129.7	1129.7	1129.7	1129.7	1129.7	1130.9	1132.1
175°	1140.5	1139.7	1138.9	1138.1	1137.7	1137.7	1137.7	1137.7	1137.7	1138.9	1140.1
177.5°	1144.8	1144.2	1143.4	1142.8	1142.5	1142.3	1142.1	1142.0	1141.8	1142.8	1143.7
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1177.1	1177.1	1183.5	1183.1	1187.2	1185.7	1186.4
5°	1265.4	1273.3	1280.2	1284.9	1291.8	1293.7	1292.7
7.5°	1356.9	1374.4	1383.0	1394.6	1396.8	1402.8	1402.2
10°	1413.6	1430.7	1443.7	1453.8	1459.0	1465.4	1465.9
12.5°	1458.0	1472.6	1484.1	1493.5	1499.7	1501.7	1503.0
15°	1492.8	1509.0	1522.4	1535.8	1543.7	1549.7	1553.0
17.5°	1527.8	1552.8	1576.5	1594.7	1605.7	1614.9	1614.8
20°	1554.8	1583.5	1613.2	1634.0	1655.3	1664.6	1666.0
22.5°	1583.7	1627.6	1665.8	1698.1	1726.1	1735.7	1739.3
25°	1643.7	1701.1	1760.0	1805.4	1837.7	1856.7	1859.5
27.5°	1716.2	1793.9	1855.8	1897.6	1924.6	1938.7	1941.7
30°	1767.4	1839.2	1894.7	1926.2	1938.7	1940.5	1933.6
32.5°	1790.3	1844.0	1866.2	1864.3	1839.8	1823.5	1817.2
35°	1762.3	1751.1	1696.9	1632.2	1582.6	1551.1	1542.7
37.5°	1603.7	1507.9	1408.2	1310.3	1258.1	1231.6	1186.1
40°	1447.4	1310.8	1207.1	1124.7	1065.9	1018.6	1007.5
42.5°	1271.0	1130.1	1026.4	955.7	908.8	876.4	862.3
45°	1021.5	900.1	814.5	760.3	724.2	700.5	689.9
47.5°	817.0	723.1	660.7	620.5	593.1	572.5	566.8
50°	704.7	629.7	576.9	543.1	522.3	506.6	500.1
52.5°	612.1	551.5	511.0	483.1	463.4	453.6	448.2
55°	505.2	452.8	423.7	401.4	390.3	382.5	378.7
57.5°	413.1	375.3	354.0	338.7	328.4	323.3	321.6
60°	361.6	332.0	312.5	300.5	293.6	287.0	285.3
62.5°	316.0	292.7	277.7	267.2	260.2	257.4	256.4
65°	254.7	239.4	228.3	221.8	216.2	215.3	214.8
67.5°	202.4	193.4	187.6	180.8	178.9	175.7	175.0
70°	173.2	167.1	160.2	157.9	155.6	152.3	152.8
72.5°	146.9	140.9	136.2	133.0	132.2	130.8	132.1
75°	107.5	105.6	103.7	101.4	100.5	100.5	100.0
77.5°	76.7	75.1	73.0	71.7	71.4	69.5	70.2
80°	55.6	53.2	52.3	52.8	51.4	50.9	50.9
82.5°	41.1	40.3	39.3	39.4	39.1	38.7	39.1
85°	22.6	22.2	22.2	21.8	21.8	21.3	21.3
87.5°	11.6	12.1	11.6	11.3	11.4	11.9	12.4
90°	17.2	18.2	19.0	19.6	20.2	20.8	21.4
92.5°	38.1	39.4	40.3	40.8	41.1	41.6	42.0
95°	72.7	74.1	75.0	75.3	75.8	76.2	76.6
97.5°	113.1	114.4	115.1	115.4	115.7	115.8	116.1
100°	141.5	143.3	144.5	144.8	145.2	145.6	146.0
102.5°	170.5	172.5	173.7	174.2	174.8	175.4	175.9
105°	216.3	217.5	218.4	219.0	219.6	220.2	220.8
107.5°	266.0	266.6	266.9	266.8	266.8	266.8	266.7
110°	300.9	301.5	301.7	301.5	301.3	301.1	300.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	335.6	335.8	335.8	335.5	335.1	334.7	334.4
115°	388.4	388.3	388.1	387.8	387.6	387.4	387.3
117.5°	442.2	442.4	442.0	441.2	440.5	439.7	438.9
120°	478.0	478.0	477.7	476.9	476.1	475.3	474.5
122.5°	513.2	513.0	512.6	512.0	511.4	510.8	510.1
125°	565.0	564.6	564.3	564.1	563.9	563.7	563.6
127.5°	616.9	616.7	616.4	616.0	615.5	615.2	614.8
130°	651.0	650.9	650.6	650.1	649.8	649.3	649.0
132.5°	683.9	683.6	683.2	682.7	682.2	681.6	681.0
135°	734.4	734.4	734.1	733.3	732.5	731.6	730.8
137.5°	783.7	784.0	783.6	782.7	781.7	780.7	779.7
140°	814.8	815.3	814.9	814.0	813.0	812.0	811.0
142.5°	845.0	845.3	844.9	843.9	842.9	842.0	840.9
145°	888.5	888.5	888.1	887.6	887.0	886.4	885.8
147.5°	929.4	929.9	929.4	928.1	926.8	925.4	924.1
150°	954.3	954.3	954.1	953.8	953.3	953.0	952.5
152.5°	978.6	979.0	978.9	978.2	977.5	976.8	976.1
155°	1012.8	1013.6	1013.5	1012.5	1011.5	1010.5	1009.5
157.5°	1042.1	1042.9	1042.7	1041.4	1040.1	1038.8	1037.5
160°	1060.0	1060.8	1060.7	1059.7	1058.7	1057.7	1056.7
162.5°	1076.8	1077.8	1077.7	1076.6	1075.4	1074.2	1073.1
165°	1099.1	1099.9	1099.7	1098.6	1097.3	1096.2	1095.0
167.5°	1116.2	1117.4	1117.3	1116.2	1114.9	1113.7	1112.4
170°	1126.1	1127.3	1127.2	1125.9	1124.4	1123.1	1121.7
172.5°	1133.3	1134.4	1134.4	1133.2	1132.0	1130.8	1129.5
175°	1141.3	1142.5	1142.4	1141.0	1139.6	1138.2	1136.8
177.5°	1144.7	1145.6	1145.6	1144.4	1143.4	1142.2	1141.1
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0

(END OF REPORT)