

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: P333689-940

Luminaire Tested: **S125RDIW-S850D1050U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333689-940
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: S125RDIW-S850D1050U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6164.6 lumens
Efficiency: N/A
Efficacy: 117.2 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

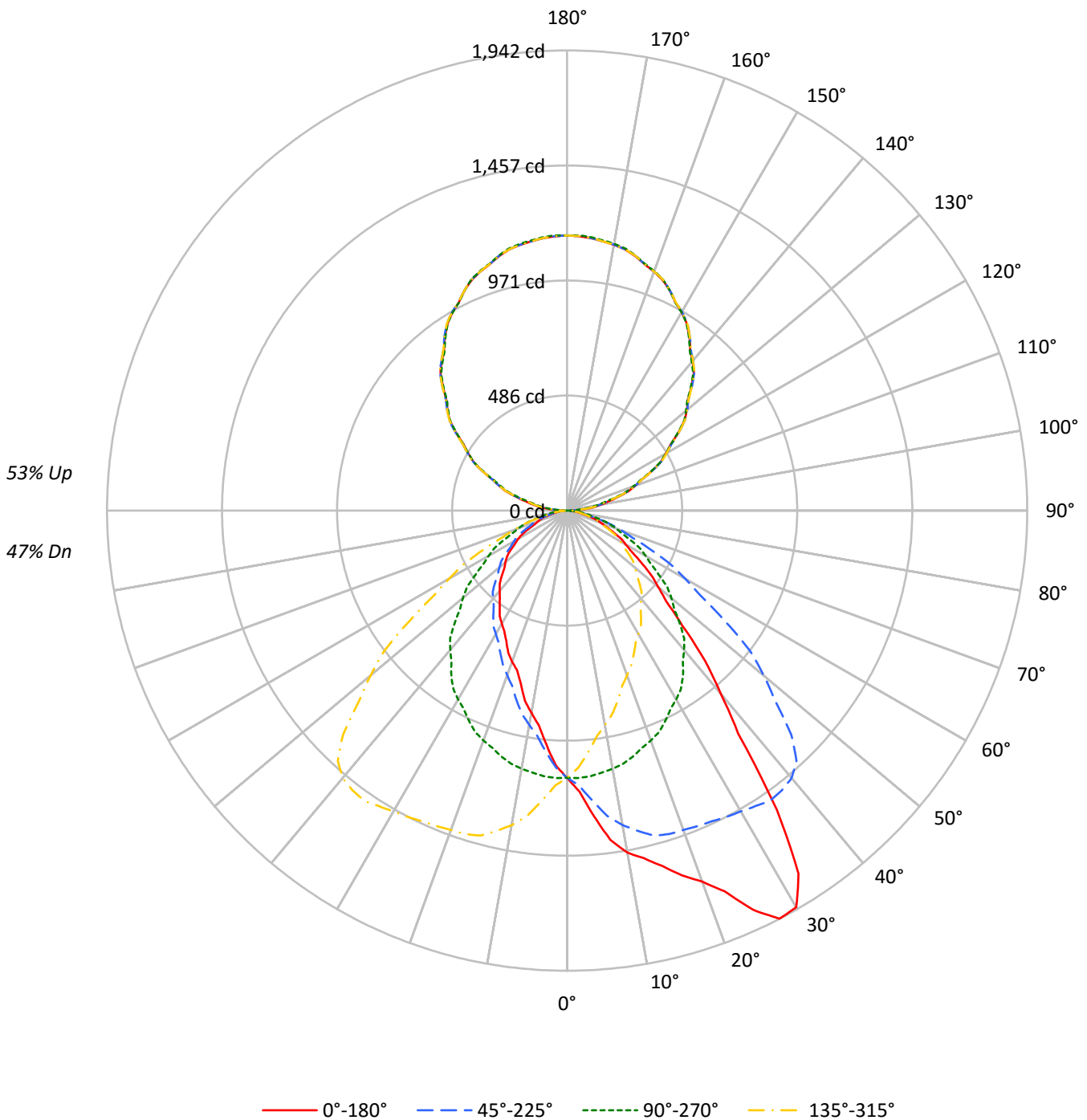
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47				47
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41				41
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39	35				35
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30				30
4	75	64	57	51	69	59	53	48	50	45	41	42	38	35	34	32	30	26				26
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23				23
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20				20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18				18
8	54	42	35	29	50	39	33	28	34	28	25	29	24	21	24	21	18	16				16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14				14
10	47	35	28	24	44	33	27	22	29	23	20	24	20	17	20	17	15	13				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	5.1
20°-30°	502.6	8.2
30°-40°	606.1	9.8
40°-50°	541.2	8.8
50°-60°	415.1	6.7
60°-70°	269.7	4.4
70°-80°	131.1	2.1
80°-90°	33.8	0.5
90°-100°	77.8	1.3
100°-110°	229.6	3.7
110°-120°	388.9	6.3
120°-130°	511.9	8.3
130°-140°	573.6	9.3
140°-150°	562.1	9.1
150°-160°	472.2	7.7
160°-170°	313.9	5.1
170°-180°	109.8	1.8
0°-30°	927.7	15.0
0°-40°	1533.8	24.9
0°-60°	2490.1	40.4
0°-90°	2924.8	47.4
90°-120°	696.4	11.3
90°-150°	2344.0	38.0
90°-180°	3240.0	52.6
0°-180°	6164.6	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°	22	1	22	1	22	13
95°	78	59	78	59	78	79
105°	224	206	224	206	224	237
115°	393	389	393	389	393	389
125°	572	568	572	568	572	511
135°	742	739	742	739	742	572
145°	899	895	899	895	899	561
155°	1025	1025	1025	1025	1025	471
165°	1111	1114	1111	1114	1111	313
175°	1154	1158	1154	1158	1154	110
180°	1161	1161	1161	1161	1161	



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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°	12.5	12.0	11.5	11.4	11.6	12.2	11.7	11.1	10.9	10.7	10.8
90°	21.7	21.0	20.5	19.9	19.3	18.5	17.5	16.5	15.4	14.4	13.0
92.5°	42.6	42.2	41.7	41.3	40.8	40.0	38.7	37.4	36.0	34.7	33.0
95°	77.7	77.3	76.9	76.5	76.1	75.2	73.7	72.4	71.0	69.6	67.6
97.5°	117.8	117.6	117.3	117.1	116.8	116.1	114.8	113.4	112.1	110.8	108.0
100°	148.2	147.8	147.4	147.0	146.6	145.4	143.7	141.9	140.1	138.2	135.6
102.5°	178.5	178.0	177.5	176.8	176.3	175.0	173.1	171.1	169.2	167.2	165.9
105°	224.1	223.5	222.8	222.3	221.7	220.8	219.5	218.4	217.1	216.0	214.7
107.5°	270.7	270.7	270.8	270.8	270.9	270.5	270.0	269.4	268.8	268.1	267.2
110°	305.4	305.6	305.8	306.0	306.2	306.0	305.4	304.8	304.2	303.6	303.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	339.4	339.7	340.1	340.5	340.8	340.8	340.5	340.3	340.0	339.7	338.9
115°	393.1	393.2	393.4	393.6	393.9	394.0	394.2	394.4	394.7	394.8	394.4
117.5°	445.4	446.2	447.0	447.8	448.6	449.0	448.8	448.6	448.5	448.4	448.0
120°	481.6	482.4	483.2	484.0	484.8	485.2	485.2	485.2	485.2	485.2	485.0
122.5°	517.7	518.4	519.0	519.7	520.3	520.7	520.8	521.0	521.2	521.4	520.8
125°	571.9	572.1	572.3	572.6	572.7	573.0	573.5	573.8	574.3	574.6	574.4
127.5°	624.0	624.4	624.8	625.2	625.6	625.9	626.1	626.2	626.5	626.7	626.4
130°	658.7	659.1	659.5	659.9	660.3	660.6	660.8	661.0	661.2	661.4	661.0
132.5°	691.2	691.8	692.3	692.9	693.5	693.8	694.0	694.2	694.5	694.6	694.7
135°	741.8	742.6	743.4	744.2	745.0	745.4	745.4	745.4	745.4	745.4	745.2
137.5°	791.3	792.3	793.4	794.3	795.3	795.7	795.5	795.2	795.0	794.8	794.3
140°	823.1	824.1	825.1	826.2	827.2	827.4	827.1	826.6	826.3	825.8	825.2
142.5°	853.5	854.5	855.5	856.5	857.5	857.9	857.6	857.4	857.1	856.9	856.1
145°	899.0	899.6	900.2	900.8	901.4	901.7	901.7	901.7	901.7	901.7	901.2
147.5°	937.9	939.2	940.6	942.0	943.3	943.8	943.3	942.8	942.4	941.8	941.4
150°	966.8	967.1	967.6	968.0	968.4	968.6	968.6	968.6	968.6	968.6	967.8
152.5°	990.6	991.3	992.1	992.8	993.5	993.6	993.2	992.7	992.2	991.8	991.4
155°	1024.6	1025.6	1026.6	1027.6	1028.6	1028.8	1028.0	1027.2	1026.4	1025.6	1025.3
157.5°	1053.0	1054.3	1055.6	1056.9	1058.3	1058.5	1057.7	1056.9	1056.1	1055.3	1055.2
160°	1072.5	1073.5	1074.5	1075.5	1076.5	1076.7	1075.8	1075.0	1074.2	1073.4	1073.2
162.5°	1089.1	1090.3	1091.5	1092.6	1093.8	1093.9	1092.9	1092.0	1091.0	1090.0	1090.0
165°	1111.3	1112.6	1113.7	1115.0	1116.2	1116.3	1115.5	1114.7	1113.9	1113.1	1112.9
167.5°	1129.1	1130.3	1131.6	1132.8	1134.1	1134.1	1132.8	1131.7	1130.4	1129.3	1129.3
170°	1138.4	1139.9	1141.3	1142.6	1144.1	1144.2	1143.0	1141.7	1140.6	1139.3	1139.3
172.5°	1146.4	1147.6	1148.9	1150.1	1151.4	1151.4	1150.2	1149.0	1147.8	1146.6	1146.6
175°	1153.8	1155.2	1156.6	1158.1	1159.4	1159.6	1158.3	1157.1	1155.9	1154.7	1154.7
177.5°	1158.2	1159.3	1160.4	1161.5	1162.6	1162.7	1161.8	1160.8	1159.8	1158.9	1159.0
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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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°	10.9	10.6	10.7	10.3	9.6	11.2	11.9	12.0	11.6	11.2	10.8
90°	11.7	10.3	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7
92.5°	31.2	29.5	27.8	26.4	25.2	24.1	23.0	21.8	23.0	24.1	25.2
95°	65.5	63.6	61.5	60.4	59.9	59.6	59.1	58.8	59.1	59.6	59.9
97.5°	105.2	102.5	99.7	98.3	98.1	97.9	97.7	97.6	97.7	97.9	98.1
100°	133.0	130.4	127.8	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
102.5°	164.5	163.2	161.8	160.8	160.0	159.2	158.4	157.6	158.4	159.2	160.0
105°	213.6	212.3	211.2	210.0	209.0	208.0	207.0	206.0	207.0	208.0	209.0
107.5°	266.4	265.4	264.5	263.5	262.5	261.5	260.5	259.5	260.5	261.5	262.5
110°	302.4	301.8	301.2	300.4	299.3	298.4	297.4	296.3	297.4	298.4	299.3



TEST NUMBER: P333689-940

CATALOG NUMBER: S125RDIW-S850D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.2	337.4	336.7	336.0	335.6	335.0	334.5	333.9	334.5	335.0	335.6
115°	394.0	393.6	393.2	392.6	391.8	391.0	390.2	389.4	390.2	391.0	391.8
117.5°	447.6	447.3	446.9	446.6	446.1	445.8	445.4	445.1	445.4	445.8	446.1
120°	484.8	484.6	484.4	483.8	482.8	481.8	480.8	479.7	480.8	481.8	482.8
122.5°	520.3	519.8	519.2	518.8	518.4	518.1	517.7	517.4	517.7	518.1	518.4
125°	574.3	574.1	573.8	573.1	571.9	570.7	569.5	568.3	569.5	570.7	571.9
127.5°	626.2	626.0	625.7	625.3	624.6	623.9	623.2	622.5	623.2	623.9	624.6
130°	660.6	660.2	659.8	659.1	658.1	657.1	656.0	655.1	656.0	657.1	658.1
132.5°	694.8	694.9	695.0	694.2	692.5	690.9	689.2	687.6	689.2	690.9	692.5
135°	745.0	744.8	744.6	744.0	742.7	741.5	740.3	739.0	740.3	741.5	742.7
137.5°	793.9	793.4	793.0	792.2	791.0	789.9	788.7	787.6	788.7	789.9	791.0
140°	824.7	824.0	823.4	822.6	821.6	820.6	819.6	818.6	819.6	820.6	821.6
142.5°	855.4	854.6	853.9	853.1	852.2	851.4	850.5	849.7	850.5	851.4	852.2
145°	900.5	899.9	899.3	898.6	897.8	897.0	896.2	895.4	896.2	897.0	897.8
147.5°	940.8	940.4	940.0	939.4	939.0	938.6	938.2	937.7	938.2	938.6	939.0
150°	967.0	966.2	965.4	965.1	965.3	965.5	965.7	965.9	965.7	965.5	965.3
152.5°	991.0	990.8	990.4	990.2	989.9	989.5	989.3	989.0	989.3	989.5	989.9
155°	1025.1	1024.9	1024.7	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6
157.5°	1054.9	1054.7	1054.5	1054.6	1055.1	1055.5	1056.0	1056.4	1056.0	1055.5	1055.1
160°	1073.0	1072.8	1072.6	1072.8	1073.4	1074.0	1074.6	1075.2	1074.6	1074.0	1073.4
162.5°	1089.9	1089.9	1089.8	1090.0	1090.5	1090.9	1091.4	1091.8	1091.4	1090.9	1090.5
165°	1112.8	1112.6	1112.3	1112.4	1112.9	1113.2	1113.7	1114.1	1113.7	1113.2	1112.9
167.5°	1129.3	1129.3	1129.3	1129.6	1130.4	1131.2	1132.0	1132.8	1132.0	1131.2	1130.4
170°	1139.3	1139.3	1139.3	1139.8	1140.6	1141.4	1142.2	1143.0	1142.2	1141.4	1140.6
172.5°	1146.6	1146.6	1146.6	1147.0	1147.8	1148.6	1149.4	1150.2	1149.4	1148.6	1147.8
175°	1154.7	1154.7	1154.7	1155.1	1155.9	1156.7	1157.5	1158.3	1157.5	1156.7	1155.9
177.5°	1159.2	1159.3	1159.5	1159.9	1160.6	1161.2	1161.8	1162.5	1161.8	1161.2	1160.6
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333689-940

CATALOG NUMBER: S125RDIW-S850D1050U940-4F0-1E-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	11.1	11.0	11.9	11.1	11.8	11.9	11.8	12.0	12.2	12.0
90°	7.3	8.8	10.3	11.7	13.0	14.4	15.4	16.5	17.5	18.5	19.3
92.5°	26.4	27.8	29.5	31.2	33.0	34.7	36.0	37.4	38.7	40.0	40.8
95°	60.4	61.5	63.6	65.5	67.6	69.6	71.0	72.4	73.7	75.2	76.1
97.5°	98.3	99.7	102.5	105.2	108.0	110.8	112.1	113.4	114.8	116.1	116.8
100°	126.5	127.8	130.4	133.0	135.6	138.2	140.1	141.9	143.7	145.4	146.6
102.5°	160.8	161.8	163.2	164.5	165.9	167.2	169.2	171.1	173.1	175.0	176.3
105°	210.0	211.2	212.3	213.6	214.7	216.0	217.1	218.4	219.5	220.8	221.7
107.5°	263.5	264.5	265.4	266.4	267.2	268.1	268.8	269.4	270.0	270.5	270.9
110°	300.4	301.2	301.8	302.4	303.0	303.6	304.2	304.8	305.4	306.0	306.2



TEST NUMBER: P333689-940

CATALOG NUMBER: S125RDIW-S850D1050U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	336.0	336.7	337.4	338.2	338.9	339.7	340.0	340.3	340.5	340.8	340.8
115°	392.6	393.2	393.6	394.0	394.4	394.8	394.7	394.4	394.2	394.0	393.9
117.5°	446.6	446.9	447.3	447.6	448.0	448.4	448.5	448.6	448.8	449.0	448.6
120°	483.8	484.4	484.6	484.8	485.0	485.2	485.2	485.2	485.2	485.2	484.8
122.5°	518.8	519.2	519.8	520.3	520.8	521.4	521.2	521.0	520.8	520.7	520.3
125°	573.1	573.8	574.1	574.3	574.4	574.6	574.3	573.8	573.5	573.0	572.7
127.5°	625.3	625.7	626.0	626.2	626.4	626.7	626.5	626.2	626.1	625.9	625.6
130°	659.1	659.8	660.2	660.6	661.0	661.4	661.2	661.0	660.8	660.6	660.3
132.5°	694.2	695.0	694.9	694.8	694.7	694.6	694.5	694.2	694.0	693.8	693.5
135°	744.0	744.6	744.8	745.0	745.2	745.4	745.4	745.4	745.4	745.4	745.0
137.5°	792.2	793.0	793.4	793.9	794.3	794.8	795.0	795.2	795.5	795.7	795.3
140°	822.6	823.4	824.0	824.7	825.2	825.8	826.3	826.6	827.1	827.4	827.2
142.5°	853.1	853.9	854.6	855.4	856.1	856.9	857.1	857.4	857.6	857.9	857.5
145°	898.6	899.3	899.9	900.5	901.2	901.7	901.7	901.7	901.7	901.7	901.4
147.5°	939.4	940.0	940.4	940.8	941.4	941.8	942.4	942.8	943.3	943.8	943.3
150°	965.1	965.4	966.2	967.0	967.8	968.6	968.6	968.6	968.6	968.6	968.4
152.5°	990.2	990.4	990.8	991.0	991.4	991.8	992.2	992.7	993.2	993.6	993.5
155°	1024.6	1024.7	1024.9	1025.1	1025.3	1025.6	1026.4	1027.2	1028.0	1028.8	1028.6
157.5°	1054.6	1054.5	1054.7	1054.9	1055.2	1055.3	1056.1	1056.9	1057.7	1058.5	1058.3
160°	1072.8	1072.6	1072.8	1073.0	1073.2	1073.4	1074.2	1075.0	1075.8	1076.7	1076.5
162.5°	1090.0	1089.8	1089.9	1089.9	1090.0	1090.0	1091.0	1092.0	1092.9	1093.9	1093.8
165°	1112.4	1112.3	1112.6	1112.8	1112.9	1113.1	1113.9	1114.7	1115.5	1116.3	1116.2
167.5°	1129.6	1129.3	1129.3	1129.3	1129.3	1129.3	1130.4	1131.7	1132.8	1134.1	1134.1
170°	1139.8	1139.3	1139.3	1139.3	1139.3	1139.3	1140.6	1141.7	1143.0	1144.2	1144.1
172.5°	1147.0	1146.6	1146.6	1146.6	1146.6	1146.6	1147.8	1149.0	1150.2	1151.4	1151.4
175°	1155.1	1154.7	1154.7	1154.7	1154.7	1154.7	1155.9	1157.1	1158.3	1159.6	1159.4
177.5°	1159.9	1159.5	1159.3	1159.2	1159.0	1158.9	1159.8	1160.8	1161.8	1162.7	1162.6
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333689-940

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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°	12.5	12.2	12.4	12.5	12.4	12.2	12.5	12.0	12.2	12.0	11.8
90°	19.9	20.5	21.0	21.7	21.0	20.5	19.9	19.3	18.5	17.5	16.5
92.5°	41.3	41.7	42.2	42.6	42.2	41.7	41.3	40.8	40.0	38.7	37.4
95°	76.5	76.9	77.3	77.7	77.3	76.9	76.5	76.1	75.2	73.7	72.4
97.5°	117.1	117.3	117.6	117.8	117.6	117.3	117.1	116.8	116.1	114.8	113.4
100°	147.0	147.4	147.8	148.2	147.8	147.4	147.0	146.6	145.4	143.7	141.9
102.5°	176.8	177.5	178.0	178.5	178.0	177.5	176.8	176.3	175.0	173.1	171.1
105°	222.3	222.8	223.5	224.1	223.5	222.8	222.3	221.7	220.8	219.5	218.4
107.5°	270.8	270.8	270.7	270.7	270.7	270.8	270.8	270.9	270.5	270.0	269.4
110°	306.0	305.8	305.6	305.4	305.6	305.8	306.0	306.2	306.0	305.4	304.8



TEST NUMBER: P333689-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	340.5	340.1	339.7	339.4	339.7	340.1	340.5	340.8	340.8	340.5	340.3
115°	393.6	393.4	393.2	393.1	393.2	393.4	393.6	393.9	394.0	394.2	394.4
117.5°	447.8	447.0	446.2	445.4	446.2	447.0	447.8	448.6	449.0	448.8	448.6
120°	484.0	483.2	482.4	481.6	482.4	483.2	484.0	484.8	485.2	485.2	485.2
122.5°	519.7	519.0	518.4	517.7	518.4	519.0	519.7	520.3	520.7	520.8	521.0
125°	572.6	572.3	572.1	571.9	572.1	572.3	572.6	572.7	573.0	573.5	573.8
127.5°	625.2	624.8	624.4	624.0	624.4	624.8	625.2	625.6	625.9	626.1	626.2
130°	659.9	659.5	659.1	658.7	659.1	659.5	659.9	660.3	660.6	660.8	661.0
132.5°	692.9	692.3	691.8	691.2	691.8	692.3	692.9	693.5	693.8	694.0	694.2
135°	744.2	743.4	742.6	741.8	742.6	743.4	744.2	745.0	745.4	745.4	745.4
137.5°	794.3	793.4	792.3	791.3	792.3	793.4	794.3	795.3	795.7	795.5	795.2
140°	826.2	825.1	824.1	823.1	824.1	825.1	826.2	827.2	827.4	827.1	826.6
142.5°	856.5	855.5	854.5	853.5	854.5	855.5	856.5	857.5	857.9	857.6	857.4
145°	900.8	900.2	899.6	899.0	899.6	900.2	900.8	901.4	901.7	901.7	901.7
147.5°	942.0	940.6	939.2	937.9	939.2	940.6	942.0	943.3	943.8	943.3	942.8
150°	968.0	967.6	967.1	966.8	967.1	967.6	968.0	968.4	968.6	968.6	968.6
152.5°	992.8	992.1	991.3	990.6	991.3	992.1	992.8	993.5	993.6	993.2	992.7
155°	1027.6	1026.6	1025.6	1024.6	1025.6	1026.6	1027.6	1028.6	1028.8	1028.0	1027.2
157.5°	1056.9	1055.6	1054.3	1053.0	1054.3	1055.6	1056.9	1058.3	1058.5	1057.7	1056.9
160°	1075.5	1074.5	1073.5	1072.5	1073.5	1074.5	1075.5	1076.5	1076.7	1075.8	1075.0
162.5°	1092.6	1091.5	1090.3	1089.1	1090.3	1091.5	1092.6	1093.8	1093.9	1092.9	1092.0
165°	1115.0	1113.7	1112.6	1111.3	1112.6	1113.7	1115.0	1116.2	1116.3	1115.5	1114.7
167.5°	1132.8	1131.6	1130.3	1129.1	1130.3	1131.6	1132.8	1134.1	1134.1	1132.8	1131.7
170°	1142.6	1141.3	1139.9	1138.4	1139.9	1141.3	1142.6	1144.1	1144.2	1143.0	1141.7
172.5°	1150.1	1148.9	1147.6	1146.4	1147.6	1148.9	1150.1	1151.4	1151.4	1150.2	1149.0
175°	1158.1	1156.6	1155.2	1153.8	1155.2	1156.6	1158.1	1159.4	1159.6	1158.3	1157.1
177.5°	1161.5	1160.4	1159.3	1158.2	1159.3	1160.4	1161.5	1162.6	1162.7	1161.8	1160.8
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333689-940

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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	11.0	11.1	10.7	10.8	11.2	11.6	12.0
90°	15.4	14.4	13.0	11.7	10.3	8.8	7.3	5.7	4.1	2.5	0.9
92.5°	36.0	34.7	33.0	31.2	29.5	27.8	26.4	25.2	24.1	23.0	21.8
95°	71.0	69.6	67.6	65.5	63.6	61.5	60.4	59.9	59.6	59.1	58.8
97.5°	112.1	110.8	108.0	105.2	102.5	99.7	98.3	98.1	97.9	97.7	97.6
100°	140.1	138.2	135.6	133.0	130.4	127.8	126.5	126.5	126.5	126.5	126.5
102.5°	169.2	167.2	165.9	164.5	163.2	161.8	160.8	160.0	159.2	158.4	157.6
105°	217.1	216.0	214.7	213.6	212.3	211.2	210.0	209.0	208.0	207.0	206.0
107.5°	268.8	268.1	267.2	266.4	265.4	264.5	263.5	262.5	261.5	260.5	259.5
110°	304.2	303.6	303.0	302.4	301.8	301.2	300.4	299.3	298.4	297.4	296.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	340.0	339.7	338.9	338.2	337.4	336.7	336.0	335.6	335.0	334.5	333.9
115°	394.7	394.8	394.4	394.0	393.6	393.2	392.6	391.8	391.0	390.2	389.4
117.5°	448.5	448.4	448.0	447.6	447.3	446.9	446.6	446.1	445.8	445.4	445.1
120°	485.2	485.2	485.0	484.8	484.6	484.4	483.8	482.8	481.8	480.8	479.7
122.5°	521.2	521.4	520.8	520.3	519.8	519.2	518.8	518.4	518.1	517.7	517.4
125°	574.3	574.6	574.4	574.3	574.1	573.8	573.1	571.9	570.7	569.5	568.3
127.5°	626.5	626.7	626.4	626.2	626.0	625.7	625.3	624.6	623.9	623.2	622.5
130°	661.2	661.4	661.0	660.6	660.2	659.8	659.1	658.1	657.1	656.0	655.1
132.5°	694.5	694.6	694.7	694.8	694.9	695.0	694.2	692.5	690.9	689.2	687.6
135°	745.4	745.4	745.2	745.0	744.8	744.6	744.0	742.7	741.5	740.3	739.0
137.5°	795.0	794.8	794.3	793.9	793.4	793.0	792.2	791.0	789.9	788.7	787.6
140°	826.3	825.8	825.2	824.7	824.0	823.4	822.6	821.6	820.6	819.6	818.6
142.5°	857.1	856.9	856.1	855.4	854.6	853.9	853.1	852.2	851.4	850.5	849.7
145°	901.7	901.7	901.2	900.5	899.9	899.3	898.6	897.8	897.0	896.2	895.4
147.5°	942.4	941.8	941.4	940.8	940.4	940.0	939.4	939.0	938.6	938.2	937.7
150°	968.6	968.6	967.8	967.0	966.2	965.4	965.1	965.3	965.5	965.7	965.9
152.5°	992.2	991.8	991.4	991.0	990.8	990.4	990.2	989.9	989.5	989.3	989.0
155°	1026.4	1025.6	1025.3	1025.1	1024.9	1024.7	1024.6	1024.6	1024.6	1024.6	1024.6
157.5°	1056.1	1055.3	1055.2	1054.9	1054.7	1054.5	1054.6	1055.1	1055.5	1056.0	1056.4
160°	1074.2	1073.4	1073.2	1073.0	1072.8	1072.6	1072.8	1073.4	1074.0	1074.6	1075.2
162.5°	1091.0	1090.0	1090.0	1089.9	1089.9	1089.8	1090.0	1090.5	1090.9	1091.4	1091.8
165°	1113.9	1113.1	1112.9	1112.8	1112.6	1112.3	1112.4	1112.9	1113.2	1113.7	1114.1
167.5°	1130.4	1129.3	1129.3	1129.3	1129.3	1129.3	1129.6	1130.4	1131.2	1132.0	1132.8
170°	1140.6	1139.3	1139.3	1139.3	1139.3	1139.3	1139.8	1140.6	1141.4	1142.2	1143.0
172.5°	1147.8	1146.6	1146.6	1146.6	1146.6	1146.6	1147.0	1147.8	1148.6	1149.4	1150.2
175°	1155.9	1154.7	1154.7	1154.7	1154.7	1154.7	1155.1	1155.9	1156.7	1157.5	1158.3
177.5°	1159.8	1158.9	1159.0	1159.2	1159.3	1159.5	1159.9	1160.6	1161.2	1161.8	1162.5
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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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	11.2	9.6	10.3	10.7	10.6	10.9	10.8	10.7	10.9	11.1
90°	2.5	4.1	5.7	7.3	8.8	10.3	11.7	13.0	14.4	15.4	16.5
92.5°	23.0	24.1	25.2	26.4	27.8	29.5	31.2	33.0	34.7	36.0	37.4
95°	59.1	59.6	59.9	60.4	61.5	63.6	65.5	67.6	69.6	71.0	72.4
97.5°	97.7	97.9	98.1	98.3	99.7	102.5	105.2	108.0	110.8	112.1	113.4
100°	126.5	126.5	126.5	126.5	127.8	130.4	133.0	135.6	138.2	140.1	141.9
102.5°	158.4	159.2	160.0	160.8	161.8	163.2	164.5	165.9	167.2	169.2	171.1
105°	207.0	208.0	209.0	210.0	211.2	212.3	213.6	214.7	216.0	217.1	218.4
107.5°	260.5	261.5	262.5	263.5	264.5	265.4	266.4	267.2	268.1	268.8	269.4
110°	297.4	298.4	299.3	300.4	301.2	301.8	302.4	303.0	303.6	304.2	304.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	334.5	335.0	335.6	336.0	336.7	337.4	338.2	338.9	339.7	340.0	340.3
115°	390.2	391.0	391.8	392.6	393.2	393.6	394.0	394.4	394.8	394.7	394.4
117.5°	445.4	445.8	446.1	446.6	446.9	447.3	447.6	448.0	448.4	448.5	448.6
120°	480.8	481.8	482.8	483.8	484.4	484.6	484.8	485.0	485.2	485.2	485.2
122.5°	517.7	518.1	518.4	518.8	519.2	519.8	520.3	520.8	521.4	521.2	521.0
125°	569.5	570.7	571.9	573.1	573.8	574.1	574.3	574.4	574.6	574.3	573.8
127.5°	623.2	623.9	624.6	625.3	625.7	626.0	626.2	626.4	626.7	626.5	626.2
130°	656.0	657.1	658.1	659.1	659.8	660.2	660.6	661.0	661.4	661.2	661.0
132.5°	689.2	690.9	692.5	694.2	695.0	694.9	694.8	694.7	694.6	694.5	694.2
135°	740.3	741.5	742.7	744.0	744.6	744.8	745.0	745.2	745.4	745.4	745.4
137.5°	788.7	789.9	791.0	792.2	793.0	793.4	793.9	794.3	794.8	795.0	795.2
140°	819.6	820.6	821.6	822.6	823.4	824.0	824.7	825.2	825.8	826.3	826.6
142.5°	850.5	851.4	852.2	853.1	853.9	854.6	855.4	856.1	856.9	857.1	857.4
145°	896.2	897.0	897.8	898.6	899.3	899.9	900.5	901.2	901.7	901.7	901.7
147.5°	938.2	938.6	939.0	939.4	940.0	940.4	940.8	941.4	941.8	942.4	942.8
150°	965.7	965.5	965.3	965.1	965.4	966.2	967.0	967.8	968.6	968.6	968.6
152.5°	989.3	989.5	989.9	990.2	990.4	990.8	991.0	991.4	991.8	992.2	992.7
155°	1024.6	1024.6	1024.6	1024.6	1024.7	1024.9	1025.1	1025.3	1025.6	1026.4	1027.2
157.5°	1056.0	1055.5	1055.1	1054.6	1054.5	1054.7	1054.9	1055.2	1055.3	1056.1	1056.9
160°	1074.6	1074.0	1073.4	1072.8	1072.6	1072.8	1073.0	1073.2	1073.4	1074.2	1075.0
162.5°	1091.4	1090.9	1090.5	1090.0	1089.8	1089.9	1089.9	1090.0	1090.0	1091.0	1092.0
165°	1113.7	1113.2	1112.9	1112.4	1112.3	1112.6	1112.8	1112.9	1113.1	1113.9	1114.7
167.5°	1132.0	1131.2	1130.4	1129.6	1129.3	1129.3	1129.3	1129.3	1129.3	1130.4	1131.7
170°	1142.2	1141.4	1140.6	1139.8	1139.3	1139.3	1139.3	1139.3	1139.3	1140.6	1141.7
172.5°	1149.4	1148.6	1147.8	1147.0	1146.6	1146.6	1146.6	1146.6	1146.6	1147.8	1149.0
175°	1157.5	1156.7	1155.9	1155.1	1154.7	1154.7	1154.7	1154.7	1154.7	1155.9	1157.1
177.5°	1161.8	1161.2	1160.6	1159.9	1159.5	1159.3	1159.2	1159.0	1158.9	1159.8	1160.8
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



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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°	11.7	12.2	11.6	11.4	11.5	12.0	12.5
90°	17.5	18.5	19.3	19.9	20.5	21.0	21.7
92.5°	38.7	40.0	40.8	41.3	41.7	42.2	42.6
95°	73.7	75.2	76.1	76.5	76.9	77.3	77.7
97.5°	114.8	116.1	116.8	117.1	117.3	117.6	117.8
100°	143.7	145.4	146.6	147.0	147.4	147.8	148.2
102.5°	173.1	175.0	176.3	176.8	177.5	178.0	178.5
105°	219.5	220.8	221.7	222.3	222.8	223.5	224.1
107.5°	270.0	270.5	270.9	270.8	270.8	270.7	270.7
110°	305.4	306.0	306.2	306.0	305.8	305.6	305.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	340.5	340.8	340.8	340.5	340.1	339.7	339.4
115°	394.2	394.0	393.9	393.6	393.4	393.2	393.1
117.5°	448.8	449.0	448.6	447.8	447.0	446.2	445.4
120°	485.2	485.2	484.8	484.0	483.2	482.4	481.6
122.5°	520.8	520.7	520.3	519.7	519.0	518.4	517.7
125°	573.5	573.0	572.7	572.6	572.3	572.1	571.9
127.5°	626.1	625.9	625.6	625.2	624.8	624.4	624.0
130°	660.8	660.6	660.3	659.9	659.5	659.1	658.7
132.5°	694.0	693.8	693.5	692.9	692.3	691.8	691.2
135°	745.4	745.4	745.0	744.2	743.4	742.6	741.8
137.5°	795.5	795.7	795.3	794.3	793.4	792.3	791.3
140°	827.1	827.4	827.2	826.2	825.1	824.1	823.1
142.5°	857.6	857.9	857.5	856.5	855.5	854.5	853.5
145°	901.7	901.7	901.4	900.8	900.2	899.6	899.0
147.5°	943.3	943.8	943.3	942.0	940.6	939.2	937.9
150°	968.6	968.6	968.4	968.0	967.6	967.1	966.8
152.5°	993.2	993.6	993.5	992.8	992.1	991.3	990.6
155°	1028.0	1028.8	1028.6	1027.6	1026.6	1025.6	1024.6
157.5°	1057.7	1058.5	1058.3	1056.9	1055.6	1054.3	1053.0
160°	1075.8	1076.7	1076.5	1075.5	1074.5	1073.5	1072.5
162.5°	1092.9	1093.9	1093.8	1092.6	1091.5	1090.3	1089.1
165°	1115.5	1116.3	1116.2	1115.0	1113.7	1112.6	1111.3
167.5°	1132.8	1134.1	1134.1	1132.8	1131.6	1130.3	1129.1
170°	1143.0	1144.2	1144.1	1142.6	1141.3	1139.9	1138.4
172.5°	1150.2	1151.4	1151.4	1150.1	1148.9	1147.6	1146.4
175°	1158.3	1159.6	1159.4	1158.1	1156.6	1155.2	1153.8
177.5°	1161.8	1162.7	1162.6	1161.5	1160.4	1159.3	1158.2
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0

(END OF REPORT)