

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: P333412-940

Luminaire Tested: **S125DIW-S850D1050U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333412-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S850D1050U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

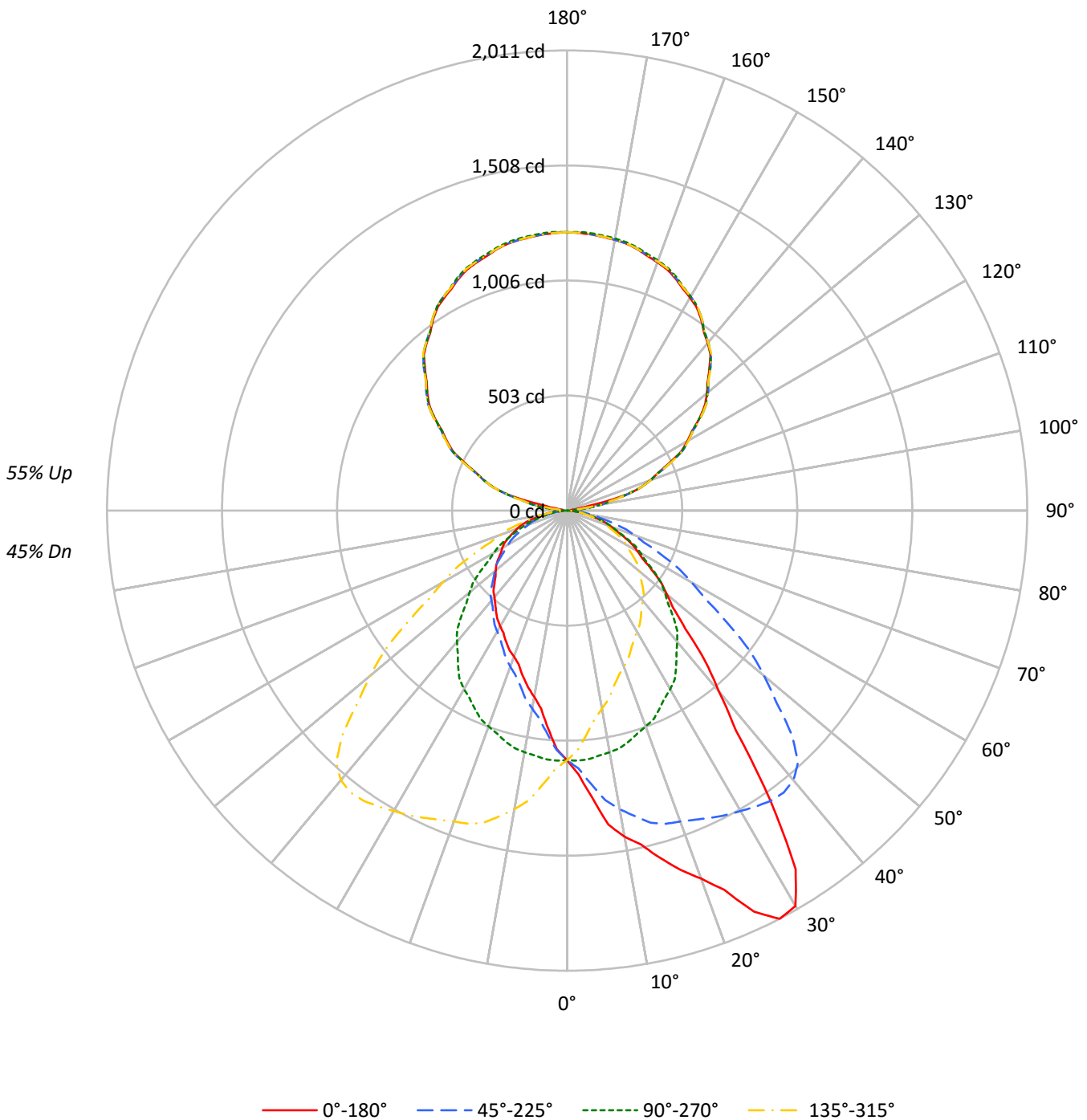
Lumens per Lamp: N/A  
Luminaire Lumens: 6816.8 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 52.6  
Input Voltage (V): 120  
Input Current (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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				45
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38				38
2	88	81	75	70	81	75	69	65	62	59	55	51	49	46	41	39	37	33				33
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				28
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	28	24				24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21				21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18				18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16				16
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	15				15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	17	15	13				13
10	46	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12				12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	7045	7045	7045	7045
5°	8159	7069	6190	7069
10°	9492	7033	5423	7033
15°	10508	6981	5003	6981
20°	11762	6899	4665	6899
25°	13779	6807	4501	6807
30°	14882	6716	4357	6716
35°	12236	6545	4264	6545
40°	8697	6308	4161	6308
45°	6682	5989	4103	5989
50°	5704	5591	4093	5591
55°	5078	5203	4130	5203
60°	4580	4779	4234	4779
65°	4232	4351	4345	4351
70°	3848	3909	4407	3909
75°	3399	3441	4367	3441
80°	2860	2804	3998	2804
85°	2267	2023	3223	2023



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	1.5
10°-20°	312.7	4.6
20°-30°	507.7	7.4
30°-40°	619.3	9.1
40°-50°	563.4	8.3
50°-60°	448.8	6.6
60°-70°	312.6	4.6
70°-80°	166.7	2.4
80°-90°	44.6	0.7
90°-100°	44.2	0.6
100°-110°	272.5	4.0
110°-120°	494.2	7.2
120°-130°	634.2	9.3
130°-140°	682.1	10.0
140°-150°	640.3	9.4
150°-160°	517.9	7.6
160°-170°	335.0	4.9
170°-180°	115.5	1.7
0°-30°	925.4	13.6
0°-40°	1544.8	22.7
0°-60°	2556.9	37.5
0°-90°	3080.8	45.2
90°-120°	810.9	11.9
90°-150°	2767.5	40.6
90°-180°	3736.0	54.8
0°-180°	6816.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1258	1090	955	1090	1258	127
15°	1572	1044	748	1044	1572	450
25°	1934	955	632	955	1934	883
35°	1552	830	541	830	1552	950
45°	732	656	449	656	732	586
55°	451	462	367	462	451	406
65°	277	285	284	285	277	275
75°	136	138	175	138	136	147
85°	31	27	44	27	31	36
90°	22	1	22	1	22	11
95°	19	51	19	51	19	16
105°	268	265	268	265	268	242
115°	494	498	494	498	494	491
125°	708	708	708	708	708	630
135°	879	883	879	883	879	679
145°	1021	1024	1021	1024	1021	638
155°	1119	1127	1119	1127	1119	516
165°	1183	1190	1183	1190	1183	334
175°	1211	1217	1211	1217	1211	115
180°	1217	1217	1217	1217	1217	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1153.9	1152.4	1150.9	1147.9	1150.1	1143.9	1140.9	1135.7	1129.4	1127.2	1124.6
5°	1258.5	1260.8	1263.1	1253.4	1254.4	1247.9	1233.1	1221.0	1211.3	1198.8	1190.0
7.5°	1384.5	1378.9	1378.5	1372.3	1361.4	1352.7	1337.1	1317.3	1298.2	1276.3	1258.2
10°	1447.4	1447.9	1443.7	1436.3	1424.8	1416.4	1396.1	1376.5	1353.0	1325.2	1305.3
12.5°	1494.9	1496.7	1491.5	1481.5	1475.9	1457.1	1441.2	1418.1	1390.0	1367.8	1337.5
15°	1571.6	1566.4	1562.7	1550.2	1540.5	1521.1	1495.6	1471.5	1440.9	1412.6	1384.5
17.5°	1645.4	1649.5	1642.5	1631.1	1601.0	1578.2	1544.1	1511.1	1473.1	1435.2	1401.5
20°	1711.4	1715.0	1704.4	1684.5	1648.4	1625.7	1580.7	1538.2	1494.2	1445.6	1408.5
22.5°	1793.6	1790.6	1776.3	1746.0	1714.7	1672.8	1624.1	1572.3	1517.2	1462.2	1413.0
25°	1933.6	1914.1	1905.3	1867.9	1826.7	1765.1	1698.4	1622.5	1553.9	1481.2	1418.3
27.5°	2011.2	2005.1	1995.3	1969.2	1925.8	1860.0	1781.4	1688.8	1592.1	1500.4	1418.0
30°	1995.6	1996.5	1997.5	1989.1	1961.4	1911.8	1833.6	1734.0	1619.2	1515.9	1420.6
32.5°	1857.9	1874.7	1890.8	1909.9	1917.6	1908.2	1859.1	1769.2	1651.1	1533.7	1419.1
35°	1552.0	1557.2	1609.4	1661.3	1731.7	1786.4	1822.9	1783.2	1683.6	1548.8	1417.3
37.5°	1210.1	1235.2	1271.4	1330.0	1431.6	1522.5	1639.5	1693.3	1661.2	1553.7	1414.1
40°	1031.6	1054.8	1078.3	1138.1	1223.8	1334.0	1466.9	1580.3	1606.7	1538.2	1402.9
42.5°	893.9	912.1	938.3	983.3	1054.9	1152.4	1279.4	1427.7	1518.9	1493.0	1379.7
45°	731.6	743.2	763.6	799.2	851.0	927.5	1039.5	1201.6	1342.7	1389.6	1324.3
47.5°	626.2	626.1	641.9	666.6	704.0	768.9	851.8	978.7	1129.6	1241.2	1236.0
50°	567.7	565.3	577.8	599.1	628.7	671.8	751.0	852.4	997.4	1123.7	1159.0
52.5°	517.3	517.5	525.2	541.0	565.8	602.6	661.7	753.1	877.0	1006.7	1073.0
55°	451.0	449.2	457.9	468.6	486.6	510.7	553.3	623.2	723.7	851.5	937.6
57.5°	390.2	395.3	398.9	406.3	421.2	437.4	473.3	524.6	604.3	714.0	805.0
60°	354.6	359.8	362.6	370.0	382.0	395.9	423.7	465.4	532.4	627.0	717.2
62.5°	322.8	326.8	327.7	334.4	344.2	357.8	379.6	414.6	467.6	550.3	638.7
65°	276.9	276.9	278.7	285.7	290.3	302.4	319.1	344.5	387.1	451.5	526.9
67.5°	232.6	234.9	234.3	237.5	241.7	251.0	263.0	284.0	315.6	362.6	422.9
70°	203.8	205.5	205.1	207.4	212.0	218.1	227.8	247.7	270.4	310.7	362.6
72.5°	177.8	178.5	177.4	180.4	183.2	188.4	199.3	209.9	231.1	265.1	307.7
75°	136.2	137.1	137.9	139.8	142.6	145.3	151.0	161.6	175.5	201.0	228.3
77.5°	102.0	100.3	102.5	102.3	103.8	105.9	110.8	116.5	127.9	144.0	165.1
80°	76.9	77.3	77.3	77.8	80.1	81.5	85.7	89.8	98.6	110.7	125.5
82.5°	56.1	57.3	56.6	57.4	59.4	60.4	62.7	66.1	71.2	80.7	91.4
85°	30.6	28.3	29.2	30.1	30.1	30.6	32.4	33.8	36.6	40.3	44.4
87.5°	13.2	13.8	14.1	14.0	14.2	14.1	15.3	15.2	16.1	16.9	18.2
90°	21.7	21.0	20.4	19.9	19.3	18.5	17.5	16.4	15.4	14.4	13.0
92.5°	20.2	19.9	19.6	19.4	19.1	18.5	17.5	16.4	15.4	14.4	13.2
95°	18.9	18.9	18.9	18.9	18.9	18.5	17.5	16.4	15.4	14.4	22.0
97.5°	18.9	18.9	18.9	18.9	18.9	21.8	27.4	33.1	38.7	44.4	59.5
100°	18.9	19.7	20.5	21.3	22.1	37.5	67.3	97.2	127.1	156.9	156.1
102.5°	113.4	127.1	140.7	154.4	168.0	177.6	183.2	188.9	194.6	200.2	199.7
105°	267.9	268.0	268.2	268.5	268.7	268.8	268.8	268.8	268.8	268.8	268.8
107.5°	337.7	338.2	338.9	339.5	340.1	340.4	340.3	340.3	340.2	340.2	339.7
110°	386.0	385.8	385.6	385.4	385.2	385.4	386.0	386.6	387.2	387.8	387.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	429.3	429.5	429.8	430.2	430.4	431.0	431.7	432.5	433.2	434.0	433.7
115°	494.2	495.4	496.6	497.8	499.0	500.0	500.8	501.6	502.4	503.2	503.0
117.5°	563.5	564.0	564.5	565.1	565.5	566.3	567.4	568.5	569.4	570.5	569.7
120°	606.0	607.1	608.1	609.0	610.0	610.7	611.2	611.5	612.0	612.3	611.7
122.5°	646.5	647.6	648.8	650.0	651.1	651.8	652.3	652.6	653.1	653.4	653.2
125°	707.9	708.6	709.2	709.8	710.3	711.1	711.9	712.7	713.5	714.3	714.3
127.5°	759.7	761.2	762.7	764.2	765.6	766.6	767.0	767.5	767.9	768.4	768.5
130°	797.3	798.3	799.2	800.2	801.2	802.0	802.6	803.3	803.9	804.4	804.2
132.5°	831.9	832.9	833.8	834.9	835.9	836.4	836.5	836.7	836.8	837.0	837.3
135°	879.3	880.5	881.7	882.9	884.1	884.9	885.3	885.7	886.1	886.5	886.9
137.5°	926.9	928.0	929.0	930.1	931.1	931.6	931.5	931.4	931.3	931.2	931.6
140°	955.0	956.3	957.4	958.7	959.8	960.3	959.8	959.5	959.0	958.7	958.9
142.5°	981.8	982.9	984.2	985.3	986.6	987.1	987.0	986.9	986.9	986.8	986.5
145°	1020.9	1022.1	1023.3	1024.5	1025.7	1026.2	1026.0	1025.8	1025.6	1025.4	1025.4
147.5°	1053.2	1054.6	1056.1	1057.5	1059.0	1059.5	1059.4	1059.1	1058.8	1058.5	1058.4
150°	1074.1	1075.7	1077.3	1078.9	1080.5	1081.1	1080.8	1080.3	1080.0	1079.5	1079.1
152.5°	1093.6	1095.0	1096.4	1097.9	1099.4	1099.8	1099.5	1099.0	1098.7	1098.2	1097.9
155°	1119.2	1120.8	1122.4	1124.0	1125.6	1126.1	1125.5	1124.9	1124.3	1123.7	1123.3
157.5°	1140.7	1142.3	1143.9	1145.5	1147.1	1147.5	1146.9	1146.3	1145.7	1145.0	1145.0
160°	1154.4	1156.0	1157.6	1159.2	1160.7	1161.2	1160.4	1159.6	1158.8	1158.0	1157.8
162.5°	1166.6	1168.4	1170.2	1171.9	1173.7	1174.0	1172.9	1171.8	1170.6	1169.5	1169.3
165°	1183.2	1184.8	1186.4	1188.0	1189.6	1189.8	1188.7	1187.4	1186.2	1185.0	1184.8
167.5°	1194.8	1196.6	1198.4	1200.2	1202.0	1202.2	1200.7	1199.3	1197.8	1196.4	1196.2
170°	1201.2	1203.1	1204.9	1206.7	1208.4	1208.6	1207.0	1205.4	1203.8	1202.2	1201.9
172.5°	1205.6	1207.4	1209.2	1211.0	1212.8	1213.0	1211.6	1210.1	1208.6	1207.2	1206.8
175°	1211.2	1213.0	1214.8	1216.6	1218.4	1218.5	1216.9	1215.3	1213.7	1212.1	1211.9
177.5°	1214.4	1215.8	1217.0	1218.3	1219.6	1219.7	1218.5	1217.4	1216.3	1215.1	1215.0
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1122.4	1119.8	1116.8	1111.6	1105.4	1102.0	1096.8	1093.5	1086.8	1081.3	1075.3
5°	1179.3	1167.2	1156.2	1141.8	1126.1	1115.9	1103.8	1090.4	1076.6	1062.2	1046.4
7.5°	1238.3	1217.0	1193.8	1168.9	1144.6	1122.2	1100.8	1079.8	1060.2	1036.4	1016.4
10°	1277.9	1251.1	1222.4	1188.6	1155.7	1127.0	1097.9	1072.4	1046.4	1018.7	994.1
12.5°	1317.6	1281.8	1241.3	1204.2	1164.6	1130.0	1095.6	1063.1	1030.6	999.8	971.2
15°	1345.6	1314.0	1276.6	1223.8	1179.3	1131.7	1086.3	1044.1	1004.8	970.5	934.4
17.5°	1364.0	1323.4	1283.2	1232.5	1174.2	1120.9	1069.5	1021.3	976.9	933.4	898.7
20°	1367.3	1325.6	1283.5	1233.9	1174.2	1113.1	1061.8	1003.8	956.2	911.2	868.6
22.5°	1366.2	1319.0	1273.1	1222.1	1163.9	1107.6	1045.4	986.4	934.7	890.5	846.1
25°	1355.8	1305.3	1247.9	1196.5	1139.1	1079.3	1016.4	955.2	902.4	851.9	808.0
27.5°	1347.0	1281.6	1216.6	1156.6	1101.2	1046.4	986.1	923.5	865.0	813.9	772.4
30°	1336.3	1264.5	1191.3	1128.8	1071.9	1018.7	961.7	900.6	839.5	789.4	745.0
32.5°	1326.7	1243.0	1165.8	1097.8	1037.4	985.7	933.2	875.0	815.0	764.3	719.8
35°	1308.1	1211.3	1122.8	1046.0	981.6	928.4	884.4	830.2	775.1	726.0	683.4
37.5°	1284.4	1169.6	1074.7	994.1	923.5	867.5	826.5	784.9	732.0	684.7	646.2
40°	1265.9	1140.0	1039.5	957.1	884.0	825.5	787.6	748.2	704.3	660.3	619.6
42.5°	1242.6	1113.3	1004.0	915.3	842.8	786.0	746.1	712.7	673.9	632.8	595.0
45°	1199.7	1065.0	946.5	851.0	777.8	721.8	680.6	655.7	626.5	587.5	555.6
47.5°	1136.7	1006.9	884.3	785.9	710.3	658.4	619.8	595.8	575.2	546.4	517.4
50°	1080.7	963.6	839.5	741.7	666.3	613.9	578.4	556.5	539.0	516.7	492.2
52.5°	1018.1	909.1	795.4	698.8	624.1	572.5	537.6	518.4	503.8	487.9	463.7
55°	918.6	826.1	720.5	628.7	559.8	509.3	478.8	462.1	450.0	438.0	423.2
57.5°	809.0	736.6	643.1	559.4	495.8	449.9	421.3	405.1	395.8	389.6	380.8
60°	732.0	670.0	589.4	513.0	451.0	410.3	382.5	370.0	362.1	357.0	350.5
62.5°	660.6	609.7	534.9	465.2	411.0	372.5	347.7	335.6	328.0	325.5	320.1
65°	555.2	515.9	454.2	396.4	350.1	317.2	296.3	284.7	280.1	277.3	277.9
67.5°	451.4	427.4	377.9	328.6	291.6	264.0	247.4	238.4	236.1	232.5	232.4
70°	388.0	370.0	328.3	285.3	252.4	231.0	216.2	207.0	204.6	202.8	202.3
72.5°	332.1	316.3	280.1	245.6	216.1	197.3	185.1	179.6	175.8	174.7	174.6
75°	249.6	240.8	212.0	184.8	164.3	151.4	143.1	137.9	135.2	134.7	135.2
77.5°	177.5	169.8	151.5	132.2	119.3	109.5	102.5	100.7	97.6	97.6	97.1
80°	133.3	128.2	116.7	101.4	90.8	82.4	78.7	75.4	74.5	73.1	74.5
82.5°	96.7	91.2	83.4	73.7	64.8	59.8	56.1	55.1	54.6	53.9	54.2
85°	47.7	48.2	43.5	36.1	32.4	29.6	27.3	27.3	26.8	26.4	26.8
87.5°	18.6	17.6	15.9	14.4	12.2	10.8	10.2	10.2	9.4	9.4	10.1
90°	11.6	10.3	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7
92.5°	11.9	10.7	9.5	9.4	10.5	11.7	12.8	13.9	12.8	11.7	10.5
95°	29.7	37.3	44.9	49.0	49.6	50.2	50.8	51.4	50.8	50.2	49.6
97.5°	74.5	89.6	104.7	111.6	110.6	109.5	108.4	107.4	108.4	109.5	110.6
100°	155.3	154.5	153.7	153.0	152.4	151.8	151.2	150.6	151.2	151.8	152.4
102.5°	199.2	198.8	198.3	197.7	196.9	196.2	195.4	194.7	195.4	196.2	196.9
105°	268.8	268.8	268.8	268.3	267.5	266.7	265.9	265.1	265.9	266.7	267.5
107.5°	339.4	338.9	338.6	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4
110°	387.0	386.6	386.2	386.0	386.0	386.0	386.0	386.0	386.0	386.0	386.0





TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	433.5	433.3	433.0	432.7	432.1	431.7	431.2	430.7	431.2	431.7	432.1
115°	502.8	502.7	502.4	501.9	500.8	499.8	498.8	497.8	498.8	499.8	500.8
117.5°	569.0	568.2	567.5	567.1	567.1	567.2	567.2	567.3	567.2	567.2	567.1
120°	611.2	610.6	609.9	609.8	609.9	610.1	610.4	610.6	610.4	610.1	609.9
122.5°	652.9	652.6	652.4	651.8	651.0	650.3	649.5	648.8	649.5	650.3	651.0
125°	714.3	714.3	714.3	713.5	712.1	710.8	709.4	707.9	709.4	710.8	712.1
127.5°	768.7	768.7	768.8	768.4	767.4	766.4	765.4	764.4	765.4	766.4	767.4
130°	804.1	803.9	803.6	803.1	802.0	801.0	800.0	799.1	800.0	801.0	802.0
132.5°	837.8	838.2	838.7	838.3	837.1	836.0	834.8	833.7	834.8	836.0	837.1
135°	887.3	887.7	888.1	887.7	886.5	885.3	884.1	882.9	884.1	885.3	886.5
137.5°	932.0	932.4	932.7	932.4	931.3	930.2	929.3	928.2	929.3	930.2	931.3
140°	959.0	959.3	959.5	959.4	958.9	958.6	958.1	957.8	958.1	958.6	958.9
142.5°	986.2	986.0	985.7	985.4	985.2	985.0	984.7	984.4	984.7	985.0	985.2
145°	1025.4	1025.4	1025.4	1025.2	1024.8	1024.4	1024.0	1023.6	1024.0	1024.4	1024.8
147.5°	1058.1	1057.8	1057.7	1057.6	1057.7	1057.7	1057.8	1057.8	1057.8	1057.7	1057.7
150°	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1079.1	1078.7	1078.3
152.5°	1097.5	1097.1	1096.7	1096.9	1097.8	1098.7	1099.6	1100.5	1099.6	1098.7	1097.8
155°	1122.9	1122.5	1122.1	1122.5	1123.7	1124.9	1126.1	1127.3	1126.1	1124.9	1123.7
157.5°	1144.9	1144.9	1144.9	1145.1	1145.9	1146.7	1147.4	1148.1	1147.4	1146.7	1145.9
160°	1157.6	1157.4	1157.2	1157.7	1158.9	1160.1	1161.3	1162.5	1161.3	1160.1	1158.9
162.5°	1169.1	1168.9	1168.7	1169.2	1170.5	1171.6	1172.9	1174.0	1172.9	1171.6	1170.5
165°	1184.6	1184.5	1184.2	1184.7	1186.0	1187.1	1188.4	1189.5	1188.4	1187.1	1186.0
167.5°	1196.0	1195.8	1195.6	1196.1	1197.4	1198.6	1199.9	1201.0	1199.9	1198.6	1197.4
170°	1201.8	1201.6	1201.4	1201.9	1203.4	1204.8	1206.2	1207.6	1206.2	1204.8	1203.4
172.5°	1206.5	1206.1	1205.8	1206.3	1207.7	1209.1	1210.5	1211.9	1210.5	1209.1	1207.7
175°	1211.7	1211.5	1211.3	1211.7	1213.0	1214.2	1215.4	1216.6	1215.4	1214.2	1213.0
177.5°	1214.9	1214.7	1214.5	1215.0	1215.8	1216.8	1217.8	1218.8	1217.8	1216.8	1215.8
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1072.0	1067.9	1064.6	1057.2	1053.1	1047.6	1043.1	1047.9	1042.8	1045.0	1041.6
5°	1038.6	1025.6	1016.4	1002.9	991.3	980.7	972.9	971.4	967.7	965.9	960.3
7.5°	998.4	982.1	966.3	948.7	933.8	918.7	909.1	901.2	895.9	888.9	884.2
10°	974.6	952.9	934.4	913.1	894.6	878.3	865.4	858.9	852.9	844.1	840.9
12.5°	945.4	922.9	900.3	877.5	859.8	841.7	830.5	820.7	816.6	806.6	805.7
15°	910.3	876.6	854.3	831.2	806.6	791.8	782.5	771.9	767.2	760.3	755.2
17.5°	868.4	838.3	810.5	786.5	765.4	753.0	741.5	734.1	726.2	721.7	713.4
20°	838.1	809.4	781.6	756.1	739.9	725.6	716.3	709.4	701.1	698.7	690.4
22.5°	812.5	780.9	754.2	732.8	715.1	698.9	688.8	684.2	678.4	671.3	669.6
25°	771.0	738.1	715.4	694.1	678.3	663.5	656.6	650.6	645.0	639.9	638.0
27.5°	735.0	705.6	678.7	659.4	645.8	632.2	626.1	618.8	614.7	610.6	605.6
30°	709.8	679.8	656.1	637.6	622.8	610.7	604.2	599.1	595.5	591.7	589.0
32.5°	683.9	656.0	633.1	615.0	600.2	591.1	585.3	581.8	577.7	573.2	569.7
35°	649.6	619.0	596.8	581.1	569.5	562.6	556.1	552.9	548.2	548.2	544.5
37.5°	611.0	584.6	565.0	550.6	540.3	534.0	527.0	524.8	521.8	519.9	518.6
40°	588.1	563.5	545.0	530.7	519.5	514.4	508.9	505.2	503.3	501.0	500.1
42.5°	564.4	540.9	523.2	509.9	500.2	495.9	490.7	488.1	484.4	481.3	480.8
45°	528.3	505.6	489.5	478.8	470.5	465.4	462.1	456.6	454.7	451.0	450.5
47.5°	494.1	472.3	456.5	447.7	440.4	436.2	431.1	425.6	423.5	421.6	421.4
50°	468.6	448.7	433.8	425.5	418.6	412.6	407.4	403.8	402.3	402.3	403.3
52.5°	442.6	425.7	413.1	403.0	396.4	389.9	385.2	383.0	380.8	383.1	384.8
55°	404.7	387.5	378.3	368.5	362.1	354.6	352.4	351.4	350.1	353.7	355.6
57.5°	364.5	352.5	341.6	332.0	326.2	321.9	318.8	318.2	320.7	322.5	328.6
60°	338.9	325.0	315.3	307.9	301.0	298.2	297.3	296.3	298.2	303.3	311.1
62.5°	310.8	299.5	289.0	283.5	278.4	273.8	273.6	274.1	277.9	283.7	291.5
65°	269.5	259.8	252.8	246.3	242.2	239.4	240.3	242.2	246.3	254.2	263.0
67.5°	227.6	220.9	214.6	209.4	205.4	205.4	206.3	209.1	214.0	223.1	231.1
70°	200.5	193.1	188.0	185.7	182.4	180.6	183.3	188.0	192.2	200.5	207.4
72.5°	173.4	167.2	163.2	161.6	160.2	158.7	159.6	164.6	170.3	178.6	186.7
75°	133.3	131.0	128.2	126.4	125.0	125.9	126.9	131.5	136.2	144.9	154.2
77.5°	97.3	94.9	93.3	92.8	92.0	92.5	95.1	98.5	103.1	109.5	116.5
80°	73.7	72.7	71.8	71.3	71.3	71.8	75.4	77.8	81.9	88.0	93.5
82.5°	53.6	53.1	52.9	52.8	53.1	53.2	55.5	58.5	62.0	66.5	71.3
85°	28.3	27.3	28.7	29.2	28.3	29.6	30.6	32.4	33.8	36.1	38.4
87.5°	10.7	11.8	11.7	12.3	12.6	13.6	13.5	15.2	16.1	17.0	16.9
90°	7.3	8.8	10.3	11.6	13.0	14.4	15.4	16.4	17.5	18.5	19.3
92.5°	9.4	9.5	10.7	11.9	13.2	14.4	15.4	16.4	17.5	18.5	19.1
95°	49.0	44.9	37.3	29.7	22.0	14.4	15.4	16.4	17.5	18.5	18.9
97.5°	111.6	104.7	89.6	74.5	59.5	44.4	38.7	33.1	27.4	21.8	18.9
100°	153.0	153.7	154.5	155.3	156.1	156.9	127.1	97.2	67.3	37.5	22.1
102.5°	197.7	198.3	198.8	199.2	199.7	200.2	194.6	188.9	183.2	177.6	168.0
105°	268.3	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.8	268.7
107.5°	338.4	338.6	338.9	339.4	339.7	340.2	340.2	340.3	340.3	340.4	340.1
110°	386.0	386.2	386.6	387.0	387.4	387.8	387.2	386.6	386.0	385.4	385.2



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	432.7	433.0	433.3	433.5	433.7	434.0	433.2	432.5	431.7	431.0	430.4
115°	501.9	502.4	502.7	502.8	503.0	503.2	502.4	501.6	500.8	500.0	499.0
117.5°	567.1	567.5	568.2	569.0	569.7	570.5	569.4	568.5	567.4	566.3	565.5
120°	609.8	609.9	610.6	611.2	611.7	612.3	612.0	611.5	611.2	610.7	610.0
122.5°	651.8	652.4	652.6	652.9	653.2	653.4	653.1	652.6	652.3	651.8	651.1
125°	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.7	711.9	711.1	710.3
127.5°	768.4	768.8	768.7	768.7	768.5	768.4	767.9	767.5	767.0	766.6	765.6
130°	803.1	803.6	803.9	804.1	804.2	804.4	803.9	803.3	802.6	802.0	801.2
132.5°	838.3	838.7	838.2	837.8	837.3	837.0	836.8	836.7	836.5	836.4	835.9
135°	887.7	888.1	887.7	887.3	886.9	886.5	886.1	885.7	885.3	884.9	884.1
137.5°	932.4	932.7	932.4	932.0	931.6	931.2	931.3	931.4	931.5	931.6	931.1
140°	959.4	959.5	959.3	959.0	958.9	958.7	959.0	959.5	959.8	960.3	959.8
142.5°	985.4	985.7	986.0	986.2	986.5	986.8	986.9	986.9	987.0	987.1	986.6
145°	1025.2	1025.4	1025.4	1025.4	1025.4	1025.4	1025.6	1025.8	1026.0	1026.2	1025.7
147.5°	1057.6	1057.7	1057.8	1058.1	1058.4	1058.5	1058.8	1059.1	1059.4	1059.5	1059.0
150°	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1080.0	1080.3	1080.8	1081.1	1080.5
152.5°	1096.9	1096.7	1097.1	1097.5	1097.9	1098.2	1098.7	1099.0	1099.5	1099.8	1099.4
155°	1122.5	1122.1	1122.5	1122.9	1123.3	1123.7	1124.3	1124.9	1125.5	1126.1	1125.6
157.5°	1145.1	1144.9	1144.9	1144.9	1145.0	1145.0	1145.7	1146.3	1146.9	1147.5	1147.1
160°	1157.7	1157.2	1157.4	1157.6	1157.8	1158.0	1158.8	1159.6	1160.4	1161.2	1160.7
162.5°	1169.2	1168.7	1168.9	1169.1	1169.3	1169.5	1170.6	1171.8	1172.9	1174.0	1173.7
165°	1184.7	1184.2	1184.5	1184.6	1184.8	1185.0	1186.2	1187.4	1188.7	1189.8	1189.6
167.5°	1196.1	1195.6	1195.8	1196.0	1196.2	1196.4	1197.8	1199.3	1200.7	1202.2	1202.0
170°	1201.9	1201.4	1201.6	1201.8	1201.9	1202.2	1203.8	1205.4	1207.0	1208.6	1208.4
172.5°	1206.3	1205.8	1206.1	1206.5	1206.8	1207.2	1208.6	1210.1	1211.6	1213.0	1212.8
175°	1211.7	1211.3	1211.5	1211.7	1211.9	1212.1	1213.7	1215.3	1216.9	1218.5	1218.4
177.5°	1215.0	1214.5	1214.7	1214.9	1215.0	1215.1	1216.3	1217.4	1218.5	1219.7	1219.6
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1039.4	1042.0	1039.7	1042.8	1039.7	1042.0	1039.4	1041.6	1045.0	1042.8	1047.9
5°	958.0	953.9	956.6	954.8	956.6	953.9	958.0	960.3	965.9	967.7	971.4
7.5°	882.8	878.8	874.3	872.2	874.3	878.8	882.8	884.2	888.9	895.9	901.2
10°	835.8	830.6	830.2	827.0	830.2	830.6	835.8	840.9	844.1	852.9	858.9
12.5°	801.3	796.6	791.3	790.0	791.3	796.6	801.3	805.7	806.6	816.6	820.7
15°	752.4	748.7	745.5	748.2	745.5	748.7	752.4	755.2	760.3	767.2	771.9
17.5°	711.8	708.7	708.1	704.7	708.1	708.7	711.8	713.4	721.7	726.2	734.1
20°	686.2	683.9	684.8	678.8	684.8	683.9	686.2	690.4	698.7	701.1	709.4
22.5°	665.8	661.3	660.8	659.5	660.8	661.3	665.8	669.6	671.3	678.4	684.2
25°	633.9	631.6	629.3	631.6	629.3	631.6	633.9	638.0	639.9	645.0	650.6
27.5°	606.0	603.2	602.6	602.9	602.6	603.2	606.0	605.6	610.6	614.7	618.8
30°	589.0	584.3	584.8	584.3	584.8	584.3	589.0	589.0	591.7	595.5	599.1
32.5°	570.4	567.3	566.7	565.8	566.7	567.3	570.4	569.7	573.2	577.7	581.8
35°	543.1	543.1	540.8	540.8	540.8	543.1	543.1	544.5	548.2	548.2	552.9
37.5°	517.5	517.0	515.6	515.9	515.6	517.0	517.5	518.6	519.9	521.8	524.8
40°	498.2	497.8	496.3	493.6	496.3	497.8	498.2	500.1	501.0	503.3	505.2
42.5°	479.7	478.1	477.5	476.5	477.5	478.1	479.7	480.8	481.3	484.4	488.1
45°	450.5	450.5	449.6	449.2	449.6	450.5	450.5	450.5	451.0	454.7	456.6
47.5°	422.2	423.0	424.8	424.5	424.8	423.0	422.2	421.4	421.6	423.5	425.6
50°	405.1	405.6	407.0	407.4	407.0	405.6	405.1	403.3	402.3	402.3	403.8
52.5°	386.3	389.0	390.7	390.4	390.7	389.0	386.3	384.8	383.1	380.8	383.0
55°	359.8	363.0	366.2	366.8	366.2	363.0	359.8	355.6	353.7	350.1	351.4
57.5°	333.6	338.1	341.5	342.6	341.5	338.1	333.6	328.6	322.5	320.7	318.2
60°	315.8	321.8	326.0	327.8	326.0	321.8	315.8	311.1	303.3	298.2	296.3
62.5°	298.7	305.5	309.7	310.0	309.7	305.5	298.7	291.5	283.7	277.9	274.1
65°	270.9	277.9	281.5	284.3	281.5	277.9	270.9	263.0	254.2	246.3	242.2
67.5°	240.9	247.8	251.9	254.1	251.9	247.8	240.9	231.1	223.1	214.0	209.1
70°	219.0	226.0	231.5	233.4	231.5	226.0	219.0	207.4	200.5	192.2	188.0
72.5°	197.5	203.8	208.2	210.4	208.2	203.8	197.5	186.7	178.6	170.3	164.6
75°	160.2	168.5	172.7	175.0	172.7	168.5	160.2	154.2	144.9	136.2	131.5
77.5°	123.5	131.2	133.7	134.8	133.7	131.2	123.5	116.5	109.5	103.1	98.5
80°	99.1	103.7	106.9	107.5	106.9	103.7	99.1	93.5	88.0	81.9	77.8
82.5°	76.2	80.0	81.1	82.2	81.1	80.0	76.2	71.3	66.5	62.0	58.5
85°	41.6	43.5	44.0	43.5	44.0	43.5	41.6	38.4	36.1	33.8	32.4
87.5°	17.7	17.4	17.6	18.4	17.6	17.4	17.7	16.9	17.0	16.1	15.2
90°	19.9	20.4	21.0	21.7	21.0	20.4	19.9	19.3	18.5	17.5	16.4
92.5°	19.4	19.6	19.9	20.2	19.9	19.6	19.4	19.1	18.5	17.5	16.4
95°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.5	17.5	16.4
97.5°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	21.8	27.4	33.1
100°	21.3	20.5	19.7	18.9	19.7	20.5	21.3	22.1	37.5	67.3	97.2
102.5°	154.4	140.7	127.1	113.4	127.1	140.7	154.4	168.0	177.6	183.2	188.9
105°	268.5	268.2	268.0	267.9	268.0	268.2	268.5	268.7	268.8	268.8	268.8
107.5°	339.5	338.9	338.2	337.7	338.2	338.9	339.5	340.1	340.4	340.3	340.3
110°	385.4	385.6	385.8	386.0	385.8	385.6	385.4	385.2	385.4	386.0	386.6



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	430.2	429.8	429.5	429.3	429.5	429.8	430.2	430.4	431.0	431.7	432.5
115°	497.8	496.6	495.4	494.2	495.4	496.6	497.8	499.0	500.0	500.8	501.6
117.5°	565.1	564.5	564.0	563.5	564.0	564.5	565.1	565.5	566.3	567.4	568.5
120°	609.0	608.1	607.1	606.0	607.1	608.1	609.0	610.0	610.7	611.2	611.5
122.5°	650.0	648.8	647.6	646.5	647.6	648.8	650.0	651.1	651.8	652.3	652.6
125°	709.8	709.2	708.6	707.9	708.6	709.2	709.8	710.3	711.1	711.9	712.7
127.5°	764.2	762.7	761.2	759.7	761.2	762.7	764.2	765.6	766.6	767.0	767.5
130°	800.2	799.2	798.3	797.3	798.3	799.2	800.2	801.2	802.0	802.6	803.3
132.5°	834.9	833.8	832.9	831.9	832.9	833.8	834.9	835.9	836.4	836.5	836.7
135°	882.9	881.7	880.5	879.3	880.5	881.7	882.9	884.1	884.9	885.3	885.7
137.5°	930.1	929.0	928.0	926.9	928.0	929.0	930.1	931.1	931.6	931.5	931.4
140°	958.7	957.4	956.3	955.0	956.3	957.4	958.7	959.8	960.3	959.8	959.5
142.5°	985.3	984.2	982.9	981.8	982.9	984.2	985.3	986.6	987.1	987.0	986.9
145°	1024.5	1023.3	1022.1	1020.9	1022.1	1023.3	1024.5	1025.7	1026.2	1026.0	1025.8
147.5°	1057.5	1056.1	1054.6	1053.2	1054.6	1056.1	1057.5	1059.0	1059.5	1059.4	1059.1
150°	1078.9	1077.3	1075.7	1074.1	1075.7	1077.3	1078.9	1080.5	1081.1	1080.8	1080.3
152.5°	1097.9	1096.4	1095.0	1093.6	1095.0	1096.4	1097.9	1099.4	1099.8	1099.5	1099.0
155°	1124.0	1122.4	1120.8	1119.2	1120.8	1122.4	1124.0	1125.6	1126.1	1125.5	1124.9
157.5°	1145.5	1143.9	1142.3	1140.7	1142.3	1143.9	1145.5	1147.1	1147.5	1146.9	1146.3
160°	1159.2	1157.6	1156.0	1154.4	1156.0	1157.6	1159.2	1160.7	1161.2	1160.4	1159.6
162.5°	1171.9	1170.2	1168.4	1166.6	1168.4	1170.2	1171.9	1173.7	1174.0	1172.9	1171.8
165°	1188.0	1186.4	1184.8	1183.2	1184.8	1186.4	1188.0	1189.6	1189.8	1188.7	1187.4
167.5°	1200.2	1198.4	1196.6	1194.8	1196.6	1198.4	1200.2	1202.0	1202.2	1200.7	1199.3
170°	1206.7	1204.9	1203.1	1201.2	1203.1	1204.9	1206.7	1208.4	1208.6	1207.0	1205.4
172.5°	1211.0	1209.2	1207.4	1205.6	1207.4	1209.2	1211.0	1212.8	1213.0	1211.6	1210.1
175°	1216.6	1214.8	1213.0	1211.2	1213.0	1214.8	1216.6	1218.4	1218.5	1216.9	1215.3
177.5°	1218.3	1217.0	1215.8	1214.4	1215.8	1217.0	1218.3	1219.6	1219.7	1218.5	1217.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1043.1	1047.6	1053.1	1057.2	1064.6	1067.9	1072.0	1075.3	1081.3	1086.8	1093.5
5°	972.9	980.7	991.3	1002.9	1016.4	1025.6	1038.6	1046.4	1062.2	1076.6	1090.4
7.5°	909.1	918.7	933.8	948.7	966.3	982.1	998.4	1016.4	1036.4	1060.2	1079.8
10°	865.4	878.3	894.6	913.1	934.4	952.9	974.6	994.1	1018.7	1046.4	1072.4
12.5°	830.5	841.7	859.8	877.5	900.3	922.9	945.4	971.2	999.8	1030.6	1063.1
15°	782.5	791.8	806.6	831.2	854.3	876.6	910.3	934.4	970.5	1004.8	1044.1
17.5°	741.5	753.0	765.4	786.5	810.5	838.3	868.4	898.7	933.4	976.9	1021.3
20°	716.3	725.6	739.9	756.1	781.6	809.4	838.1	868.6	911.2	956.2	1003.8
22.5°	688.8	698.9	715.1	732.8	754.2	780.9	812.5	846.1	890.5	934.7	986.4
25°	656.6	663.5	678.3	694.1	715.4	738.1	771.0	808.0	851.9	902.4	955.2
27.5°	626.1	632.2	645.8	659.4	678.7	705.6	735.0	772.4	813.9	865.0	923.5
30°	604.2	610.7	622.8	637.6	656.1	679.8	709.8	745.0	789.4	839.5	900.6
32.5°	585.3	591.1	600.2	615.0	633.1	656.0	683.9	719.8	764.3	815.0	875.0
35°	556.1	562.6	569.5	581.1	596.8	619.0	649.6	683.4	726.0	775.1	830.2
37.5°	527.0	534.0	540.3	550.6	565.0	584.6	611.0	646.2	684.7	732.0	784.9
40°	508.9	514.4	519.5	530.7	545.0	563.5	588.1	619.6	660.3	704.3	748.2
42.5°	490.7	495.9	500.2	509.9	523.2	540.9	564.4	595.0	632.8	673.9	712.7
45°	462.1	465.4	470.5	478.8	489.5	505.6	528.3	555.6	587.5	626.5	655.7
47.5°	431.1	436.2	440.4	447.7	456.5	472.3	494.1	517.4	546.4	575.2	595.8
50°	407.4	412.6	418.6	425.5	433.8	448.7	468.6	492.2	516.7	539.0	556.5
52.5°	385.2	389.9	396.4	403.0	413.1	425.7	442.6	463.7	487.9	503.8	518.4
55°	352.4	354.6	362.1	368.5	378.3	387.5	404.7	423.2	438.0	450.0	462.1
57.5°	318.8	321.9	326.2	332.0	341.6	352.5	364.5	380.8	389.6	395.8	405.1
60°	297.3	298.2	301.0	307.9	315.3	325.0	338.9	350.5	357.0	362.1	370.0
62.5°	273.6	273.8	278.4	283.5	289.0	299.5	310.8	320.1	325.5	328.0	335.6
65°	240.3	239.4	242.2	246.3	252.8	259.8	269.5	277.9	277.3	280.1	284.7
67.5°	206.3	205.4	205.4	209.4	214.6	220.9	227.6	232.4	232.5	236.1	238.4
70°	183.3	180.6	182.4	185.7	188.0	193.1	200.5	202.3	202.8	204.6	207.0
72.5°	159.6	158.7	160.2	161.6	163.2	167.2	173.4	174.6	174.7	175.8	179.6
75°	126.9	125.9	125.0	126.4	128.2	131.0	133.3	135.2	134.7	135.2	137.9
77.5°	95.1	92.5	92.0	92.8	93.3	94.9	97.3	97.1	97.6	97.6	100.7
80°	75.4	71.8	71.3	71.3	71.8	72.7	73.7	74.5	73.1	74.5	75.4
82.5°	55.5	53.2	53.1	52.8	52.9	53.1	53.6	54.2	53.9	54.6	55.1
85°	30.6	29.6	28.3	29.2	28.7	27.3	28.3	26.8	26.4	26.8	27.3
87.5°	13.5	13.6	12.6	12.3	11.7	11.8	10.7	10.1	9.4	9.4	10.2
90°	15.4	14.4	13.0	11.6	10.3	8.8	7.3	5.7	4.1	2.5	0.9
92.5°	15.4	14.4	13.2	11.9	10.7	9.5	9.4	10.5	11.7	12.8	13.9
95°	15.4	14.4	22.0	29.7	37.3	44.9	49.0	49.6	50.2	50.8	51.4
97.5°	38.7	44.4	59.5	74.5	89.6	104.7	111.6	110.6	109.5	108.4	107.4
100°	127.1	156.9	156.1	155.3	154.5	153.7	153.0	152.4	151.8	151.2	150.6
102.5°	194.6	200.2	199.7	199.2	198.8	198.3	197.7	196.9	196.2	195.4	194.7
105°	268.8	268.8	268.8	268.8	268.8	268.8	268.3	267.5	266.7	265.9	265.1
107.5°	340.2	340.2	339.7	339.4	338.9	338.6	338.4	338.4	338.4	338.4	338.4
110°	387.2	387.8	387.4	387.0	386.6	386.2	386.0	386.0	386.0	386.0	386.0



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	433.2	434.0	433.7	433.5	433.3	433.0	432.7	432.1	431.7	431.2	430.7
115°	502.4	503.2	503.0	502.8	502.7	502.4	501.9	500.8	499.8	498.8	497.8
117.5°	569.4	570.5	569.7	569.0	568.2	567.5	567.1	567.1	567.2	567.2	567.3
120°	612.0	612.3	611.7	611.2	610.6	609.9	609.8	609.9	610.1	610.4	610.6
122.5°	653.1	653.4	653.2	652.9	652.6	652.4	651.8	651.0	650.3	649.5	648.8
125°	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.1	710.8	709.4	707.9
127.5°	767.9	768.4	768.5	768.7	768.7	768.8	768.4	767.4	766.4	765.4	764.4
130°	803.9	804.4	804.2	804.1	803.9	803.6	803.1	802.0	801.0	800.0	799.1
132.5°	836.8	837.0	837.3	837.8	838.2	838.7	838.3	837.1	836.0	834.8	833.7
135°	886.1	886.5	886.9	887.3	887.7	888.1	887.7	886.5	885.3	884.1	882.9
137.5°	931.3	931.2	931.6	932.0	932.4	932.7	932.4	931.3	930.2	929.3	928.2
140°	959.0	958.7	958.9	959.0	959.3	959.5	959.4	958.9	958.6	958.1	957.8
142.5°	986.9	986.8	986.5	986.2	986.0	985.7	985.4	985.2	985.0	984.7	984.4
145°	1025.6	1025.4	1025.4	1025.4	1025.4	1025.4	1025.2	1024.8	1024.4	1024.0	1023.6
147.5°	1058.8	1058.5	1058.4	1058.1	1057.8	1057.7	1057.6	1057.7	1057.7	1057.8	1057.8
150°	1080.0	1079.5	1079.1	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5
152.5°	1098.7	1098.2	1097.9	1097.5	1097.1	1096.7	1096.9	1097.8	1098.7	1099.6	1100.5
155°	1124.3	1123.7	1123.3	1122.9	1122.5	1122.1	1122.5	1123.7	1124.9	1126.1	1127.3
157.5°	1145.7	1145.0	1145.0	1144.9	1144.9	1144.9	1145.1	1145.9	1146.7	1147.4	1148.1
160°	1158.8	1158.0	1157.8	1157.6	1157.4	1157.2	1157.7	1158.9	1160.1	1161.3	1162.5
162.5°	1170.6	1169.5	1169.3	1169.1	1168.9	1168.7	1169.2	1170.5	1171.6	1172.9	1174.0
165°	1186.2	1185.0	1184.8	1184.6	1184.5	1184.2	1184.7	1186.0	1187.1	1188.4	1189.5
167.5°	1197.8	1196.4	1196.2	1196.0	1195.8	1195.6	1196.1	1197.4	1198.6	1199.9	1201.0
170°	1203.8	1202.2	1201.9	1201.8	1201.6	1201.4	1201.9	1203.4	1204.8	1206.2	1207.6
172.5°	1208.6	1207.2	1206.8	1206.5	1206.1	1205.8	1206.3	1207.7	1209.1	1210.5	1211.9
175°	1213.7	1212.1	1211.9	1211.7	1211.5	1211.3	1211.7	1213.0	1214.2	1215.4	1216.6
177.5°	1216.3	1215.1	1215.0	1214.9	1214.7	1214.5	1215.0	1215.8	1216.8	1217.8	1218.8
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



TEST NUMBER: P333412-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1096.8	1102.0	1105.4	1111.6	1116.8	1119.8	1122.4	1124.6	1127.2	1129.4	1135.7
5°	1103.8	1115.9	1126.1	1141.8	1156.2	1167.2	1179.3	1190.0	1198.8	1211.3	1221.0
7.5°	1100.8	1122.2	1144.6	1168.9	1193.8	1217.0	1238.3	1258.2	1276.3	1298.2	1317.3
10°	1097.9	1127.0	1155.7	1188.6	1222.4	1251.1	1277.9	1305.3	1325.2	1353.0	1376.5
12.5°	1095.6	1130.0	1164.6	1204.2	1241.3	1281.8	1317.6	1337.5	1367.8	1390.0	1418.1
15°	1086.3	1131.7	1179.3	1223.8	1276.6	1314.0	1345.6	1384.5	1412.6	1440.9	1471.5
17.5°	1069.5	1120.9	1174.2	1232.5	1283.2	1323.4	1364.0	1401.5	1435.2	1473.1	1511.1
20°	1061.8	1113.1	1174.2	1233.9	1283.5	1325.6	1367.3	1408.5	1445.6	1494.2	1538.2
22.5°	1045.4	1107.6	1163.9	1222.1	1273.1	1319.0	1366.2	1413.0	1462.2	1517.2	1572.3
25°	1016.4	1079.3	1139.1	1196.5	1247.9	1305.3	1355.8	1418.3	1481.2	1553.9	1622.5
27.5°	986.1	1046.4	1101.2	1156.6	1216.6	1281.6	1347.0	1418.0	1500.4	1592.1	1688.8
30°	961.7	1018.7	1071.9	1128.8	1191.3	1264.5	1336.3	1420.6	1515.9	1619.2	1734.0
32.5°	933.2	985.7	1037.4	1097.8	1165.8	1243.0	1326.7	1419.1	1533.7	1651.1	1769.2
35°	884.4	928.4	981.6	1046.0	1122.8	1211.3	1308.1	1417.3	1548.8	1683.6	1783.2
37.5°	826.5	867.5	923.5	994.1	1074.7	1169.6	1284.4	1414.1	1553.7	1661.2	1693.3
40°	787.6	825.5	884.0	957.1	1039.5	1140.0	1265.9	1402.9	1538.2	1606.7	1580.3
42.5°	746.1	786.0	842.8	915.3	1004.0	1113.3	1242.6	1379.7	1493.0	1518.9	1427.7
45°	680.6	721.8	777.8	851.0	946.5	1065.0	1199.7	1324.3	1389.6	1342.7	1201.6
47.5°	619.8	658.4	710.3	785.9	884.3	1006.9	1136.7	1236.0	1241.2	1129.6	978.7
50°	578.4	613.9	666.3	741.7	839.5	963.6	1080.7	1159.0	1123.7	997.4	852.4
52.5°	537.6	572.5	624.1	698.8	795.4	909.1	1018.1	1073.0	1006.7	877.0	753.1
55°	478.8	509.3	559.8	628.7	720.5	826.1	918.6	937.6	851.5	723.7	623.2
57.5°	421.3	449.9	495.8	559.4	643.1	736.6	809.0	805.0	714.0	604.3	524.6
60°	382.5	410.3	451.0	513.0	589.4	670.0	732.0	717.2	627.0	532.4	465.4
62.5°	347.7	372.5	411.0	465.2	534.9	609.7	660.6	638.7	550.3	467.6	414.6
65°	296.3	317.2	350.1	396.4	454.2	515.9	555.2	526.9	451.5	387.1	344.5
67.5°	247.4	264.0	291.6	328.6	377.9	427.4	451.4	422.9	362.6	315.6	284.0
70°	216.2	231.0	252.4	285.3	328.3	370.0	388.0	362.6	310.7	270.4	247.7
72.5°	185.1	197.3	216.1	245.6	280.1	316.3	332.1	307.7	265.1	231.1	209.9
75°	143.1	151.4	164.3	184.8	212.0	240.8	249.6	228.3	201.0	175.5	161.6
77.5°	102.5	109.5	119.3	132.2	151.5	169.8	177.5	165.1	144.0	127.9	116.5
80°	78.7	82.4	90.8	101.4	116.7	128.2	133.3	125.5	110.7	98.6	89.8
82.5°	56.1	59.8	64.8	73.7	83.4	91.2	96.7	91.4	80.7	71.2	66.1
85°	27.3	29.6	32.4	36.1	43.5	48.2	47.7	44.4	40.3	36.6	33.8
87.5°	10.2	10.8	12.2	14.4	15.9	17.6	18.6	18.2	16.9	16.1	15.2
90°	2.5	4.1	5.7	7.3	8.8	10.3	11.6	13.0	14.4	15.4	16.4
92.5°	12.8	11.7	10.5	9.4	9.5	10.7	11.9	13.2	14.4	15.4	16.4
95°	50.8	50.2	49.6	49.0	44.9	37.3	29.7	22.0	14.4	15.4	16.4
97.5°	108.4	109.5	110.6	111.6	104.7	89.6	74.5	59.5	44.4	38.7	33.1
100°	151.2	151.8	152.4	153.0	153.7	154.5	155.3	156.1	156.9	127.1	97.2
102.5°	195.4	196.2	196.9	197.7	198.3	198.8	199.2	199.7	200.2	194.6	188.9
105°	265.9	266.7	267.5	268.3	268.8	268.8	268.8	268.8	268.8	268.8	268.8
107.5°	338.4	338.4	338.4	338.4	338.6	338.9	339.4	339.7	340.2	340.2	340.3
110°	386.0	386.0	386.0	386.0	386.2	386.6	387.0	387.4	387.8	387.2	386.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	431.2	431.7	432.1	432.7	433.0	433.3	433.5	433.7	434.0	433.2	432.5
115°	498.8	499.8	500.8	501.9	502.4	502.7	502.8	503.0	503.2	502.4	501.6
117.5°	567.2	567.2	567.1	567.1	567.5	568.2	569.0	569.7	570.5	569.4	568.5
120°	610.4	610.1	609.9	609.8	609.9	610.6	611.2	611.7	612.3	612.0	611.5
122.5°	649.5	650.3	651.0	651.8	652.4	652.6	652.9	653.2	653.4	653.1	652.6
125°	709.4	710.8	712.1	713.5	714.3	714.3	714.3	714.3	714.3	713.5	712.7
127.5°	765.4	766.4	767.4	768.4	768.8	768.7	768.7	768.5	768.4	767.9	767.5
130°	800.0	801.0	802.0	803.1	803.6	803.9	804.1	804.2	804.4	803.9	803.3
132.5°	834.8	836.0	837.1	838.3	838.7	838.2	837.8	837.3	837.0	836.8	836.7
135°	884.1	885.3	886.5	887.7	888.1	887.7	887.3	886.9	886.5	886.1	885.7
137.5°	929.3	930.2	931.3	932.4	932.7	932.4	932.0	931.6	931.2	931.3	931.4
140°	958.1	958.6	958.9	959.4	959.5	959.3	959.0	958.9	958.7	959.0	959.5
142.5°	984.7	985.0	985.2	985.4	985.7	986.0	986.2	986.5	986.8	986.9	986.9
145°	1024.0	1024.4	1024.8	1025.2	1025.4	1025.4	1025.4	1025.4	1025.4	1025.6	1025.8
147.5°	1057.8	1057.7	1057.7	1057.6	1057.7	1057.8	1058.1	1058.4	1058.5	1058.8	1059.1
150°	1079.1	1078.7	1078.3	1077.9	1077.9	1078.3	1078.7	1079.1	1079.5	1080.0	1080.3
152.5°	1099.6	1098.7	1097.8	1096.9	1096.7	1097.1	1097.5	1097.9	1098.2	1098.7	1099.0
155°	1126.1	1124.9	1123.7	1122.5	1122.1	1122.5	1122.9	1123.3	1123.7	1124.3	1124.9
157.5°	1147.4	1146.7	1145.9	1145.1	1144.9	1144.9	1144.9	1145.0	1145.0	1145.7	1146.3
160°	1161.3	1160.1	1158.9	1157.7	1157.2	1157.4	1157.6	1157.8	1158.0	1158.8	1159.6
162.5°	1172.9	1171.6	1170.5	1169.2	1168.7	1168.9	1169.1	1169.3	1169.5	1170.6	1171.8
165°	1188.4	1187.1	1186.0	1184.7	1184.2	1184.5	1184.6	1184.8	1185.0	1186.2	1187.4
167.5°	1199.9	1198.6	1197.4	1196.1	1195.6	1195.8	1196.0	1196.2	1196.4	1197.8	1199.3
170°	1206.2	1204.8	1203.4	1201.9	1201.4	1201.6	1201.8	1201.9	1202.2	1203.8	1205.4
172.5°	1210.5	1209.1	1207.7	1206.3	1205.8	1206.1	1206.5	1206.8	1207.2	1208.6	1210.1
175°	1215.4	1214.2	1213.0	1211.7	1211.3	1211.5	1211.7	1211.9	1212.1	1213.7	1215.3
177.5°	1217.8	1216.8	1215.8	1215.0	1214.5	1214.7	1214.9	1215.0	1215.1	1216.3	1217.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1140.9	1143.9	1150.1	1147.9	1150.9	1152.4	1153.9
5°	1233.1	1247.9	1254.4	1253.4	1263.1	1260.8	1258.5
7.5°	1337.1	1352.7	1361.4	1372.3	1378.5	1378.9	1384.5
10°	1396.1	1416.4	1424.8	1436.3	1443.7	1447.9	1447.4
12.5°	1441.2	1457.1	1475.9	1481.5	1491.5	1496.7	1494.9
15°	1495.6	1521.1	1540.5	1550.2	1562.7	1566.4	1571.6
17.5°	1544.1	1578.2	1601.0	1631.1	1642.5	1649.5	1645.4
20°	1580.7	1625.7	1648.4	1684.5	1704.4	1715.0	1711.4
22.5°	1624.1	1672.8	1714.7	1746.0	1776.3	1790.6	1793.6
25°	1698.4	1765.1	1826.7	1867.9	1905.3	1914.1	1933.6
27.5°	1781.4	1860.0	1925.8	1969.2	1995.3	2005.1	2011.2
30°	1833.6	1911.8	1961.4	1989.1	1997.5	1996.5	1995.6
32.5°	1859.1	1908.2	1917.6	1909.9	1890.8	1874.7	1857.9
35°	1822.9	1786.4	1731.7	1661.3	1609.4	1557.2	1552.0
37.5°	1639.5	1522.5	1431.6	1330.0	1271.4	1235.2	1210.1
40°	1466.9	1334.0	1223.8	1138.1	1078.3	1054.8	1031.6
42.5°	1279.4	1152.4	1054.9	983.3	938.3	912.1	893.9
45°	1039.5	927.5	851.0	799.2	763.6	743.2	731.6
47.5°	851.8	768.9	704.0	666.6	641.9	626.1	626.2
50°	751.0	671.8	628.7	599.1	577.8	565.3	567.7
52.5°	661.7	602.6	565.8	541.0	525.2	517.5	517.3
55°	553.3	510.7	486.6	468.6	457.9	449.2	451.0
57.5°	473.3	437.4	421.2	406.3	398.9	395.3	390.2
60°	423.7	395.9	382.0	370.0	362.6	359.8	354.6
62.5°	379.6	357.8	344.2	334.4	327.7	326.8	322.8
65°	319.1	302.4	290.3	285.7	278.7	276.9	276.9
67.5°	263.0	251.0	241.7	237.5	234.3	234.9	232.6
70°	227.8	218.1	212.0	207.4	205.1	205.5	203.8
72.5°	199.3	188.4	183.2	180.4	177.4	178.5	177.8
75°	151.0	145.3	142.6	139.8	137.9	137.1	136.2
77.5°	110.8	105.9	103.8	102.3	102.5	100.3	102.0
80°	85.7	81.5	80.1	77.8	77.3	77.3	76.9
82.5°	62.7	60.4	59.4	57.4	56.6	57.3	56.1
85°	32.4	30.6	30.1	30.1	29.2	28.3	30.6
87.5°	15.3	14.1	14.2	14.0	14.1	13.8	13.2
90°	17.5	18.5	19.3	19.9	20.4	21.0	21.7
92.5°	17.5	18.5	19.1	19.4	19.6	19.9	20.2
95°	17.5	18.5	18.9	18.9	18.9	18.9	18.9
97.5°	27.4	21.8	18.9	18.9	18.9	18.9	18.9
100°	67.3	37.5	22.1	21.3	20.5	19.7	18.9
102.5°	183.2	177.6	168.0	154.4	140.7	127.1	113.4
105°	268.8	268.8	268.7	268.5	268.2	268.0	267.9
107.5°	340.3	340.4	340.1	339.5	338.9	338.2	337.7
110°	386.0	385.4	385.2	385.4	385.6	385.8	386.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	431.7	431.0	430.4	430.2	429.8	429.5	429.3
115°	500.8	500.0	499.0	497.8	496.6	495.4	494.2
117.5°	567.4	566.3	565.5	565.1	564.5	564.0	563.5
120°	611.2	610.7	610.0	609.0	608.1	607.1	606.0
122.5°	652.3	651.8	651.1	650.0	648.8	647.6	646.5
125°	711.9	711.1	710.3	709.8	709.2	708.6	707.9
127.5°	767.0	766.6	765.6	764.2	762.7	761.2	759.7
130°	802.6	802.0	801.2	800.2	799.2	798.3	797.3
132.5°	836.5	836.4	835.9	834.9	833.8	832.9	831.9
135°	885.3	884.9	884.1	882.9	881.7	880.5	879.3
137.5°	931.5	931.6	931.1	930.1	929.0	928.0	926.9
140°	959.8	960.3	959.8	958.7	957.4	956.3	955.0
142.5°	987.0	987.1	986.6	985.3	984.2	982.9	981.8
145°	1026.0	1026.2	1025.7	1024.5	1023.3	1022.1	1020.9
147.5°	1059.4	1059.5	1059.0	1057.5	1056.1	1054.6	1053.2
150°	1080.8	1081.1	1080.5	1078.9	1077.3	1075.7	1074.1
152.5°	1099.5	1099.8	1099.4	1097.9	1096.4	1095.0	1093.6
155°	1125.5	1126.1	1125.6	1124.0	1122.4	1120.8	1119.2
157.5°	1146.9	1147.5	1147.1	1145.5	1143.9	1142.3	1140.7
160°	1160.4	1161.2	1160.7	1159.2	1157.6	1156.0	1154.4
162.5°	1172.9	1174.0	1173.7	1171.9	1170.2	1168.4	1166.6
165°	1188.7	1189.8	1189.6	1188.0	1186.4	1184.8	1183.2
167.5°	1200.7	1202.2	1202.0	1200.2	1198.4	1196.6	1194.8
170°	1207.0	1208.6	1208.4	1206.7	1204.9	1203.1	1201.2
172.5°	1211.6	1213.0	1212.8	1211.0	1209.2	1207.4	1205.6
175°	1216.9	1218.5	1218.4	1216.6	1214.8	1213.0	1211.2
177.5°	1218.5	1219.7	1219.6	1218.3	1217.0	1215.8	1214.4
180°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6

(END OF REPORT)