

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: P333413-940

Luminaire Tested: **S125DIW-S850D1050U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333413-940
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: S125DIW-S850D1050U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6320.6 lumens
Efficiency: N/A
Efficacy: 120.2 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

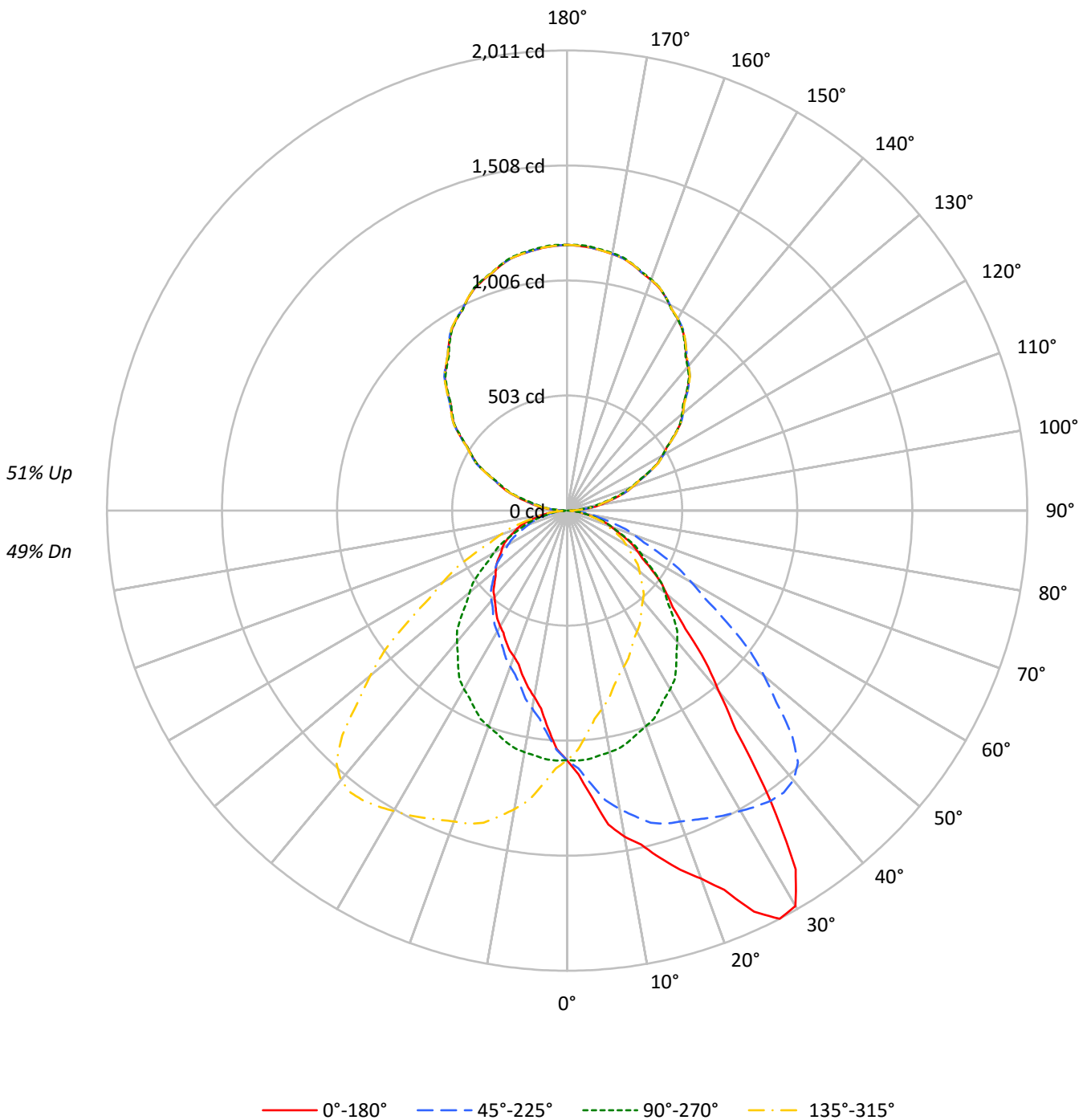
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42																				
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	43	41	40	35																				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30																				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26																				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																				
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20																				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																				
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16																				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14																				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13																				

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	1.7
10°-20°	312.7	4.9
20°-30°	507.7	8.0
30°-40°	619.3	9.8
40°-50°	563.4	8.9
50°-60°	448.8	7.1
60°-70°	312.6	4.9
70°-80°	166.7	2.6
80°-90°	44.6	0.7
90°-100°	77.8	1.2
100°-110°	229.6	3.6
110°-120°	388.9	6.2
120°-130°	511.9	8.1
130°-140°	573.6	9.1
140°-150°	562.1	8.9
150°-160°	472.2	7.5
160°-170°	313.9	5.0
170°-180°	109.8	1.7
0°-30°	925.4	14.6
0°-40°	1544.8	24.4
0°-60°	2556.9	40.5
0°-90°	3080.8	48.7
90°-120°	696.4	11.0
90°-150°	2344.0	37.1
90°-180°	3240.0	51.3
0°-180°	6320.6	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	14
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°	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	14.3	14.1	15.3	15.2	16.1	16.9	18.2
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°	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°	11.7	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: P333413-940

CATALOG NUMBER: S125DIW-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: P333413-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A1

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	11.7	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: P333413-940

CATALOG NUMBER: S125DIW-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: P333413-940

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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	20.5	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: P333413-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A1

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: P333413-940

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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	11.7	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



TEST NUMBER: P333413-940

CATALOG NUMBER: S125DIW-S850D1050U940-4F0-1E-UDD-A1

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



TEST NUMBER: P333413-940

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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	11.7	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°	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	14.3	14.0	14.1	13.8	13.2
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)