

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: P333668-830

Luminaire Tested: **S125RDIW-S610D1050U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333668-830  
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: S125RDIW-S610D1050U830-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6211.3 lumens  
Efficiency: N/A  
Efficacy: 137.4 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: Semi-Indirect

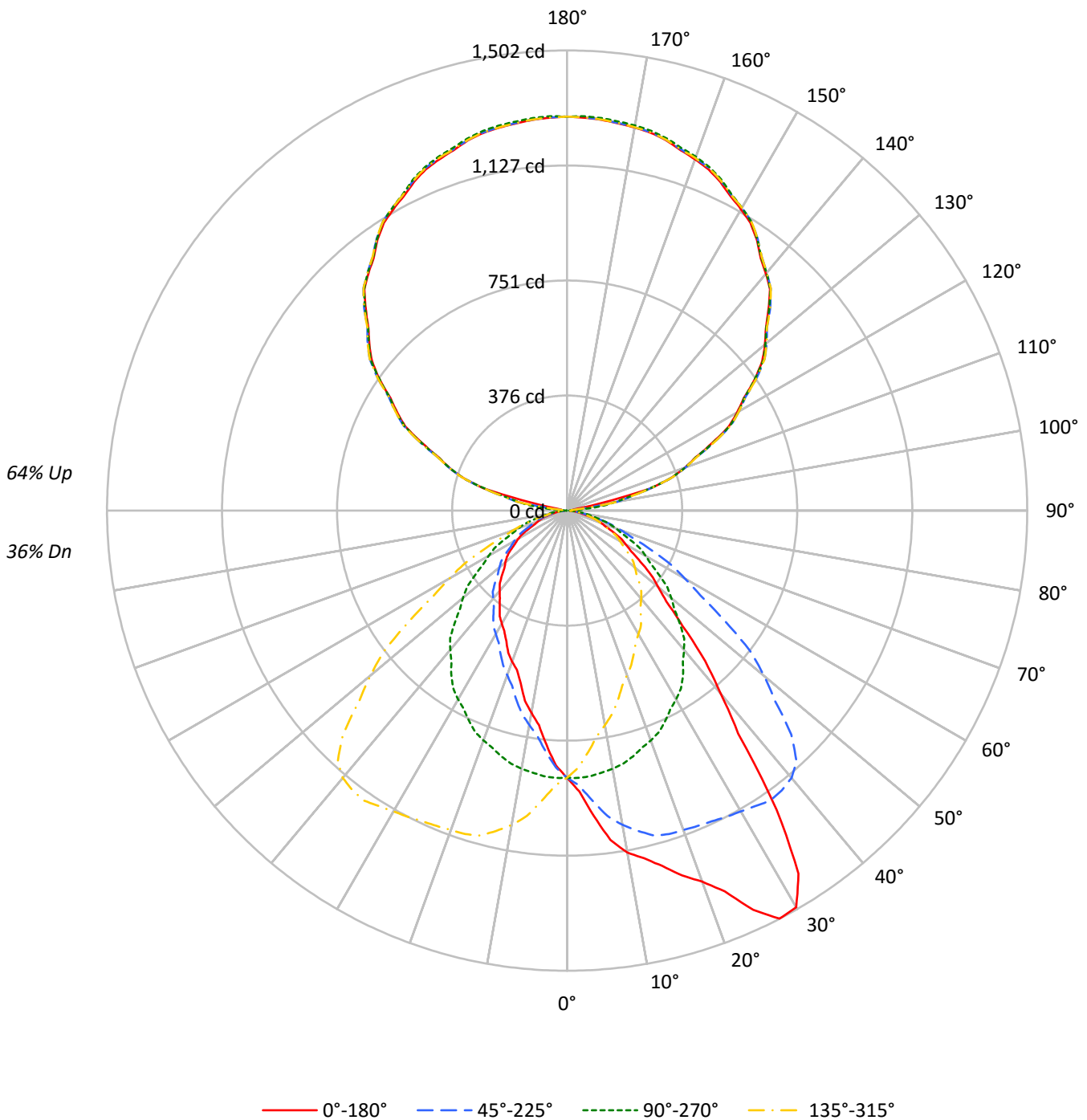
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36				
1	95	91	87	84	86	83	79	77	67	65	63	52	51	50	39	38	37	31				
2	87	80	74	69	78	72	68	63	59	55	52	46	44	42	35	33	32	27				
3	79	70	63	58	72	64	58	53	52	48	44	41	38	36	31	29	27	23				
4	73	62	55	49	66	57	50	45	46	42	38	37	33	31	28	26	24	20				
5	67	55	48	42	60	51	44	39	42	37	33	33	29	27	25	23	21	17				
6	61	50	42	36	55	45	39	34	37	32	28	30	26	23	23	20	18	15				
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	21	18	16	14				
8	53	41	33	28	48	37	31	26	31	26	22	25	21	18	19	17	15	12				
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11				
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10				

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

	0°	90°	180°	270°
0°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	1.3
10°-20°	245.1	3.9
20°-30°	388.6	6.3
30°-40°	468.7	7.5
40°-50°	418.5	6.7
50°-60°	321.0	5.2
60°-70°	208.6	3.4
70°-80°	101.4	1.6
80°-90°	26.9	0.4
90°-100°	46.7	0.8
100°-110°	288.0	4.6
110°-120°	522.3	8.4
120°-130°	670.4	10.8
130°-140°	721.0	11.6
140°-150°	676.8	10.9
150°-160°	547.5	8.8
160°-170°	354.1	5.7
170°-180°	122.1	2.0
0°-30°	717.4	11.5
0°-40°	1186.0	19.1
0°-60°	1925.5	31.0
0°-90°	2262.4	36.4
90°-120°	857.1	13.8
90°-150°	2925.3	47.1
90°-180°	3949.0	63.6
0°-180°	6211.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	20
90°	23	1	23	1	23	11
95°	20	54	20	54	20	17
105°	283	280	283	280	283	256
115°	522	526	522	526	522	519
125°	748	748	748	748	748	666
135°	929	933	929	933	929	717
145°	1079	1082	1079	1082	1079	674
155°	1183	1192	1183	1192	1183	545
165°	1251	1257	1251	1257	1251	353
175°	1280	1286	1280	1286	1280	122
180°	1286	1286	1286	1286	1286	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	10.8	10.5	10.1	9.9	10.1	10.5	10.0	9.5	9.2	9.0	9.0
90°	22.9	22.2	21.6	21.0	20.4	19.5	18.5	17.3	16.3	15.3	13.8
92.5°	21.4	21.0	20.7	20.5	20.2	19.5	18.5	17.3	16.3	15.3	13.9
95°	20.0	20.0	20.0	20.0	20.0	19.5	18.5	17.3	16.3	15.3	23.3
97.5°	20.0	20.0	20.0	20.0	20.0	23.0	28.9	35.0	40.9	46.9	62.9
100°	20.0	20.8	21.7	22.5	23.4	39.6	71.2	102.7	134.3	165.9	165.0
102.5°	119.9	134.3	148.7	163.2	177.6	187.8	193.7	199.6	205.7	211.6	211.1
105°	283.1	283.3	283.5	283.8	284.0	284.1	284.1	284.1	284.1	284.1	284.1
107.5°	356.9	357.5	358.2	358.8	359.5	359.8	359.7	359.7	359.6	359.6	359.1
110°	408.0	407.7	407.6	407.4	407.2	407.4	408.0	408.6	409.3	409.9	409.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	453.7	454.0	454.3	454.7	455.0	455.5	456.3	457.1	457.9	458.7	458.5
115°	522.4	523.7	524.9	526.2	527.4	528.5	529.3	530.2	531.0	531.9	531.7
117.5°	595.6	596.2	596.7	597.3	597.8	598.6	599.7	600.9	601.9	603.0	602.2
120°	640.6	641.7	642.7	643.8	644.8	645.5	646.0	646.4	646.9	647.2	646.6
122.5°	683.3	684.6	685.8	687.0	688.2	689.0	689.5	689.8	690.3	690.7	690.4
125°	748.3	748.9	749.6	750.3	750.8	751.6	752.4	753.3	754.1	755.0	755.0
127.5°	803.0	804.6	806.2	807.8	809.3	810.3	810.8	811.2	811.7	812.2	812.3
130°	842.7	843.8	844.8	845.8	846.9	847.7	848.4	849.0	849.7	850.3	850.1
132.5°	879.3	880.3	881.4	882.5	883.5	884.1	884.2	884.4	884.5	884.7	885.0
135°	929.4	930.7	932.0	933.2	934.5	935.4	935.8	936.2	936.6	937.1	937.5
137.5°	979.8	980.9	981.9	983.1	984.2	984.7	984.6	984.5	984.4	984.3	984.7
140°	1009.5	1010.8	1012.0	1013.3	1014.6	1015.0	1014.6	1014.2	1013.7	1013.3	1013.5
142.5°	1037.7	1039.0	1040.3	1041.5	1042.8	1043.4	1043.3	1043.2	1043.1	1043.0	1042.7
145°	1079.1	1080.3	1081.7	1082.9	1084.2	1084.7	1084.5	1084.3	1084.1	1083.8	1083.8
147.5°	1113.2	1114.7	1116.3	1117.8	1119.4	1119.9	1119.7	1119.5	1119.2	1118.9	1118.7
150°	1135.3	1137.0	1138.7	1140.4	1142.1	1142.7	1142.4	1141.9	1141.5	1141.0	1140.7
152.5°	1155.9	1157.4	1159.0	1160.5	1162.1	1162.5	1162.2	1161.7	1161.3	1160.8	1160.5
155°	1183.0	1184.7	1186.4	1188.1	1189.8	1190.3	1189.7	1189.0	1188.4	1187.8	1187.3
157.5°	1205.7	1207.4	1209.1	1210.8	1212.5	1213.0	1212.3	1211.6	1211.0	1210.2	1210.2
160°	1220.2	1221.9	1223.6	1225.3	1226.9	1227.4	1226.5	1225.7	1224.8	1224.0	1223.8
162.5°	1233.1	1235.0	1236.9	1238.7	1240.6	1241.0	1239.7	1238.6	1237.4	1236.1	1236.0
165°	1250.7	1252.4	1254.1	1255.7	1257.4	1257.6	1256.4	1255.1	1253.9	1252.5	1252.4
167.5°	1262.9	1264.8	1266.7	1268.6	1270.5	1270.7	1269.1	1267.6	1266.1	1264.6	1264.4
170°	1269.7	1271.7	1273.6	1275.4	1277.3	1277.5	1275.8	1274.1	1272.4	1270.7	1270.5
172.5°	1274.3	1276.2	1278.1	1280.1	1282.0	1282.1	1280.6	1279.1	1277.5	1276.0	1275.6
175°	1280.3	1282.1	1284.0	1285.9	1287.9	1288.0	1286.3	1284.6	1282.9	1281.2	1281.0
177.5°	1283.6	1285.1	1286.4	1287.7	1289.1	1289.2	1288.0	1286.8	1285.6	1284.4	1284.2
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	9.0	8.8	8.8	8.4	7.8	8.9	9.4	9.3	9.1	8.9	8.7
90°	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9	2.6	4.3	6.0
92.5°	12.6	11.3	10.0	9.9	11.1	12.3	13.5	14.7	13.5	12.3	11.1
95°	31.4	39.4	47.4	51.8	52.4	53.1	53.7	54.3	53.7	53.1	52.4
97.5°	78.8	94.7	110.7	118.0	116.9	115.7	114.6	113.5	114.6	115.7	116.9
100°	164.2	163.3	162.5	161.7	161.1	160.4	159.9	159.2	159.9	160.4	161.1
102.5°	210.6	210.1	209.6	209.0	208.1	207.4	206.5	205.8	206.5	207.4	208.1
105°	284.1	284.1	284.1	283.6	282.8	281.9	281.1	280.2	281.1	281.9	282.8
107.5°	358.7	358.3	357.9	357.7	357.7	357.7	357.7	357.7	357.7	357.7	357.7
110°	409.1	408.6	408.2	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0





TEST NUMBER: P333668-830

CATALOG NUMBER: S125RDIW-S610D1050U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.2	458.0	457.7	457.3	456.8	456.3	455.8	455.2	455.8	456.3	456.8
115°	531.5	531.3	531.0	530.5	529.3	528.3	527.3	526.2	527.3	528.3	529.3
117.5°	601.4	600.6	599.8	599.5	599.5	599.6	599.6	599.6	599.6	599.6	599.5
120°	646.0	645.4	644.7	644.5	644.7	644.9	645.2	645.4	645.2	644.9	644.7
122.5°	690.1	689.8	689.6	689.0	688.2	687.4	686.5	685.8	686.5	687.4	688.2
125°	755.0	755.0	755.0	754.2	752.7	751.3	749.8	748.3	749.8	751.3	752.7
127.5°	812.5	812.6	812.7	812.2	811.2	810.1	809.1	807.9	809.1	810.1	811.2
130°	849.9	849.7	849.4	848.9	847.7	846.7	845.6	844.6	845.6	846.7	847.7
132.5°	885.5	886.0	886.5	886.1	884.9	883.6	882.4	881.2	882.4	883.6	884.9
135°	937.9	938.3	938.8	938.3	937.1	935.8	934.5	933.2	934.5	935.8	937.1
137.5°	985.1	985.5	985.9	985.5	984.4	983.3	982.2	981.1	982.2	983.3	984.4
140°	1013.7	1014.0	1014.2	1014.1	1013.6	1013.2	1012.8	1012.4	1012.8	1013.2	1013.6
142.5°	1042.5	1042.2	1041.9	1041.6	1041.3	1041.1	1040.8	1040.6	1040.8	1041.1	1041.3
145°	1083.8	1083.8	1083.8	1083.6	1083.3	1082.8	1082.4	1081.9	1082.4	1082.8	1083.3
147.5°	1118.4	1118.1	1117.9	1117.9	1117.9	1118.0	1118.1	1118.1	1118.1	1118.0	1117.9
150°	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1140.7	1140.2	1139.8
152.5°	1160.1	1159.6	1159.2	1159.4	1160.4	1161.3	1162.2	1163.2	1162.2	1161.3	1160.4
155°	1186.9	1186.5	1186.1	1186.5	1187.8	1189.0	1190.3	1191.6	1190.3	1189.0	1187.8
157.5°	1210.1	1210.1	1210.1	1210.4	1211.3	1212.0	1212.8	1213.5	1212.8	1212.0	1211.3
160°	1223.6	1223.3	1223.1	1223.7	1224.9	1226.2	1227.5	1228.8	1227.5	1226.2	1224.9
162.5°	1235.8	1235.6	1235.3	1235.9	1237.2	1238.4	1239.7	1241.0	1239.7	1238.4	1237.2
165°	1252.2	1252.0	1251.7	1252.3	1253.6	1254.8	1256.1	1257.4	1256.1	1254.8	1253.6
167.5°	1264.1	1263.9	1263.8	1264.3	1265.6	1267.0	1268.3	1269.5	1268.3	1267.0	1265.6
170°	1270.3	1270.1	1269.9	1270.5	1272.0	1273.5	1275.0	1276.4	1275.0	1273.5	1272.0
172.5°	1275.3	1274.9	1274.5	1275.1	1276.6	1278.0	1279.5	1281.0	1279.5	1278.0	1276.6
175°	1280.7	1280.5	1280.3	1280.8	1282.1	1283.4	1284.7	1285.9	1284.7	1283.4	1282.1
177.5°	1284.1	1283.9	1283.7	1284.2	1285.2	1286.2	1287.2	1288.3	1287.2	1286.2	1285.2
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333668-830

CATALOG NUMBER: S125RDIW-S610D1050U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	8.7	9.0	9.0	9.9	9.3	9.9	10.2	10.1	10.3	10.5	10.4
90°	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.3	18.5	19.5	20.4
92.5°	9.9	10.0	11.3	12.6	13.9	15.3	16.3	17.3	18.5	19.5	20.2
95°	51.8	47.4	39.4	31.4	23.3	15.3	16.3	17.3	18.5	19.5	20.0
97.5°	118.0	110.7	94.7	78.8	62.9	46.9	40.9	35.0	28.9	23.0	20.0
100°	161.7	162.5	163.3	164.2	165.0	165.9	134.3	102.7	71.2	39.6	23.4
102.5°	209.0	209.6	210.1	210.6	211.1	211.6	205.7	199.6	193.7	187.8	177.6
105°	283.6	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.1	284.0
107.5°	357.7	357.9	358.3	358.7	359.1	359.6	359.6	359.7	359.7	359.8	359.5
110°	408.0	408.2	408.6	409.1	409.4	409.9	409.3	408.6	408.0	407.4	407.2



TEST NUMBER: P333668-830

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	457.7	458.0	458.2	458.5	458.7	457.9	457.1	456.3	455.5	455.0
115°	530.5	531.0	531.3	531.5	531.7	531.9	531.0	530.2	529.3	528.5	527.4
117.5°	599.5	599.8	600.6	601.4	602.2	603.0	601.9	600.9	599.7	598.6	597.8
120°	644.5	644.7	645.4	646.0	646.6	647.2	646.9	646.4	646.0	645.5	644.8
122.5°	689.0	689.6	689.8	690.1	690.4	690.7	690.3	689.8	689.5	689.0	688.2
125°	754.2	755.0	755.0	755.0	755.0	755.0	754.1	753.3	752.4	751.6	750.8
127.5°	812.2	812.7	812.6	812.5	812.3	812.2	811.7	811.2	810.8	810.3	809.3
130°	848.9	849.4	849.7	849.9	850.1	850.3	849.7	849.0	848.4	847.7	846.9
132.5°	886.1	886.5	886.0	885.5	885.0	884.7	884.5	884.4	884.2	884.1	883.5
135°	938.3	938.8	938.3	937.9	937.5	937.1	936.6	936.2	935.8	935.4	934.5
137.5°	985.5	985.9	985.5	985.1	984.7	984.3	984.4	984.5	984.6	984.7	984.2
140°	1014.1	1014.2	1014.0	1013.7	1013.5	1013.3	1013.7	1014.2	1014.6	1015.0	1014.6
142.5°	1041.6	1041.9	1042.2	1042.5	1042.7	1043.0	1043.1	1043.2	1043.3	1043.4	1042.8
145°	1083.6	1083.8	1083.8	1083.8	1083.8	1083.8	1084.1	1084.3	1084.5	1084.7	1084.2
147.5°	1117.9	1117.9	1118.1	1118.4	1118.7	1118.9	1119.2	1119.5	1119.7	1119.9	1119.4
150°	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1141.5	1141.9	1142.4	1142.7	1142.1
152.5°	1159.4	1159.2	1159.6	1160.1	1160.5	1160.8	1161.3	1161.7	1162.2	1162.5	1162.1
155°	1186.5	1186.1	1186.5	1186.9	1187.3	1187.8	1188.4	1189.0	1189.7	1190.3	1189.8
157.5°	1210.4	1210.1	1210.1	1210.1	1210.2	1210.2	1211.0	1211.6	1212.3	1213.0	1212.5
160°	1223.7	1223.1	1223.3	1223.6	1223.8	1224.0	1224.8	1225.7	1226.5	1227.4	1226.9
162.5°	1235.9	1235.3	1235.6	1235.8	1236.0	1236.1	1237.4	1238.6	1239.7	1241.0	1240.6
165°	1252.3	1251.7	1252.0	1252.2	1252.4	1252.5	1253.9	1255.1	1256.4	1257.6	1257.4
167.5°	1264.3	1263.8	1263.9	1264.1	1264.4	1264.6	1266.1	1267.6	1269.1	1270.7	1270.5
170°	1270.5	1269.9	1270.1	1270.3	1270.5	1270.7	1272.4	1274.1	1275.8	1277.5	1277.3
172.5°	1275.1	1274.5	1274.9	1275.3	1275.6	1276.0	1277.5	1279.1	1280.6	1282.1	1282.0
175°	1280.8	1280.3	1280.5	1280.7	1281.0	1281.2	1282.9	1284.6	1286.3	1288.0	1287.9
177.5°	1284.2	1283.7	1283.9	1284.1	1284.2	1284.4	1285.6	1286.8	1288.0	1289.2	1289.1
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333668-830

CATALOG NUMBER: S125RDIW-S610D1050U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.4	10.5	10.3	10.1
90°	21.0	21.6	22.2	22.9	22.2	21.6	21.0	20.4	19.5	18.5	17.3
92.5°	20.5	20.7	21.0	21.4	21.0	20.7	20.5	20.2	19.5	18.5	17.3
95°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.5	18.5	17.3
97.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	23.0	28.9	35.0
100°	22.5	21.7	20.8	20.0	20.8	21.7	22.5	23.4	39.6	71.2	102.7
102.5°	163.2	148.7	134.3	119.9	134.3	148.7	163.2	177.6	187.8	193.7	199.6
105°	283.8	283.5	283.3	283.1	283.3	283.5	283.8	284.0	284.1	284.1	284.1
107.5°	358.8	358.2	357.5	356.9	357.5	358.2	358.8	359.5	359.8	359.7	359.7
110°	407.4	407.6	407.7	408.0	407.7	407.6	407.4	407.2	407.4	408.0	408.6



TEST NUMBER: P333668-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	454.7	454.3	454.0	453.7	454.0	454.3	454.7	455.0	455.5	456.3	457.1
115°	526.2	524.9	523.7	522.4	523.7	524.9	526.2	527.4	528.5	529.3	530.2
117.5°	597.3	596.7	596.2	595.6	596.2	596.7	597.3	597.8	598.6	599.7	600.9
120°	643.8	642.7	641.7	640.6	641.7	642.7	643.8	644.8	645.5	646.0	646.4
122.5°	687.0	685.8	684.6	683.3	684.6	685.8	687.0	688.2	689.0	689.5	689.8
125°	750.3	749.6	748.9	748.3	748.9	749.6	750.3	750.8	751.6	752.4	753.3
127.5°	807.8	806.2	804.6	803.0	804.6	806.2	807.8	809.3	810.3	810.8	811.2
130°	845.8	844.8	843.8	842.7	843.8	844.8	845.8	846.9	847.7	848.4	849.0
132.5°	882.5	881.4	880.3	879.3	880.3	881.4	882.5	883.5	884.1	884.2	884.4
135°	933.2	932.0	930.7	929.4	930.7	932.0	933.2	934.5	935.4	935.8	936.2
137.5°	983.1	981.9	980.9	979.8	980.9	981.9	983.1	984.2	984.7	984.6	984.5
140°	1013.3	1012.0	1010.8	1009.5	1010.8	1012.0	1013.3	1014.6	1015.0	1014.6	1014.2
142.5°	1041.5	1040.3	1039.0	1037.7	1039.0	1040.3	1041.5	1042.8	1043.4	1043.3	1043.2
145°	1082.9	1081.7	1080.3	1079.1	1080.3	1081.7	1082.9	1084.2	1084.7	1084.5	1084.3
147.5°	1117.8	1116.3	1114.7	1113.2	1114.7	1116.3	1117.8	1119.4	1119.9	1119.7	1119.5
150°	1140.4	1138.7	1137.0	1135.3	1137.0	1138.7	1140.4	1142.1	1142.7	1142.4	1141.9
152.5°	1160.5	1159.0	1157.4	1155.9	1157.4	1159.0	1160.5	1162.1	1162.5	1162.2	1161.7
155°	1188.1	1186.4	1184.7	1183.0	1184.7	1186.4	1188.1	1189.8	1190.3	1189.7	1189.0
157.5°	1210.8	1209.1	1207.4	1205.7	1207.4	1209.1	1210.8	1212.5	1213.0	1212.3	1211.6
160°	1225.3	1223.6	1221.9	1220.2	1221.9	1223.6	1225.3	1226.9	1227.4	1226.5	1225.7
162.5°	1238.7	1236.9	1235.0	1233.1	1235.0	1236.9	1238.7	1240.6	1241.0	1239.7	1238.6
165°	1255.7	1254.1	1252.4	1250.7	1252.4	1254.1	1255.7	1257.4	1257.6	1256.4	1255.1
167.5°	1268.6	1266.7	1264.8	1262.9	1264.8	1266.7	1268.6	1270.5	1270.7	1269.1	1267.6
170°	1275.4	1273.6	1271.7	1269.7	1271.7	1273.6	1275.4	1277.3	1277.5	1275.8	1274.1
172.5°	1280.1	1278.1	1276.2	1274.3	1276.2	1278.1	1280.1	1282.0	1282.1	1280.6	1279.1
175°	1285.9	1284.0	1282.1	1280.3	1282.1	1284.0	1285.9	1287.9	1288.0	1286.3	1284.6
177.5°	1287.7	1286.4	1285.1	1283.6	1285.1	1286.4	1287.7	1289.1	1289.2	1288.0	1286.8
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



TEST NUMBER: P333668-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	10.2	9.9	9.3	9.9	9.0	9.0	8.7	8.7	8.9	9.1	9.3
90°	16.3	15.3	13.8	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9
92.5°	16.3	15.3	13.9	12.6	11.3	10.0	9.9	11.1	12.3	13.5	14.7
95°	16.3	15.3	23.3	31.4	39.4	47.4	51.8	52.4	53.1	53.7	54.3
97.5°	40.9	46.9	62.9	78.8	94.7	110.7	118.0	116.9	115.7	114.6	113.5
100°	134.3	165.9	165.0	164.2	163.3	162.5	161.7	161.1	160.4	159.9	159.2
102.5°	205.7	211.6	211.1	210.6	210.1	209.6	209.0	208.1	207.4	206.5	205.8
105°	284.1	284.1	284.1	284.1	284.1	284.1	283.6	282.8	281.9	281.1	280.2
107.5°	359.6	359.6	359.1	358.7	358.3	357.9	357.7	357.7	357.7	357.7	357.7
110°	409.3	409.9	409.4	409.1	408.6	408.2	408.0	408.0	408.0	408.0	408.0



TEST NUMBER: P333668-830

CATALOG NUMBER: S125RDIW-S610D1050U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	457.9	458.7	458.5	458.2	458.0	457.7	457.3	456.8	456.3	455.8	455.2
115°	531.0	531.9	531.7	531.5	531.3	531.0	530.5	529.3	528.3	527.3	526.2
117.5°	601.9	603.0	602.2	601.4	600.6	599.8	599.5	599.5	599.6	599.6	599.6
120°	646.9	647.2	646.6	646.0	645.4	644.7	644.5	644.7	644.9	645.2	645.4
122.5°	690.3	690.7	690.4	690.1	689.8	689.6	689.0	688.2	687.4	686.5	685.8
125°	754.1	755.0	755.0	755.0	755.0	755.0	754.2	752.7	751.3	749.8	748.3
127.5°	811.7	812.2	812.3	812.5	812.6	812.7	812.2	811.2	810.1	809.1	807.9
130°	849.7	850.3	850.1	849.9	849.7	849.4	848.9	847.7	846.7	845.6	844.6
132.5°	884.5	884.7	885.0	885.5	886.0	886.5	886.1	884.9	883.6	882.4	881.2
135°	936.6	937.1	937.5	937.9	938.3	938.8	938.3	937.1	935.8	934.5	933.2
137.5°	984.4	984.3	984.7	985.1	985.5	985.9	985.5	984.4	983.3	982.2	981.1
140°	1013.7	1013.3	1013.5	1013.7	1014.0	1014.2	1014.1	1013.6	1013.2	1012.8	1012.4
142.5°	1043.1	1043.0	1042.7	1042.5	1042.2	1041.9	1041.6	1041.3	1041.1	1040.8	1040.6
145°	1084.1	1083.8	1083.8	1083.8	1083.8	1083.8	1083.6	1083.3	1082.8	1082.4	1081.9
147.5°	1119.2	1118.9	1118.7	1118.4	1118.1	1117.9	1117.9	1117.9	1118.0	1118.1	1118.1
150°	1141.5	1141.0	1140.7	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0
152.5°	1161.3	1160.8	1160.5	1160.1	1159.6	1159.2	1159.4	1160.4	1161.3	1162.2	1163.2
155°	1188.4	1187.8	1187.3	1186.9	1186.5	1186.1	1186.5	1187.8	1189.0	1190.3	1191.6
157.5°	1211.0	1210.2	1210.2	1210.1	1210.1	1210.1	1210.4	1211.3	1212.0	1212.8	1213.5
160°	1224.8	1224.0	1223.8	1223.6	1223.3	1223.1	1223.7	1224.9	1226.2	1227.5	1228.8
162.5°	1237.4	1236.1	1236.0	1235.8	1235.6	1235.3	1235.9	1237.2	1238.4	1239.7	1241.0
165°	1253.9	1252.5	1252.4	1252.2	1252.0	1251.7	1252.3	1253.6	1254.8	1256.1	1257.4
167.5°	1266.1	1264.6	1264.4	1264.1	1263.9	1263.8	1264.3	1265.6	1267.0	1268.3	1269.5
170°	1272.4	1270.7	1270.5	1270.3	1270.1	1269.9	1270.5	1272.0	1273.5	1275.0	1276.4
172.5°	1277.5	1276.0	1275.6	1275.3	1274.9	1274.5	1275.1	1276.6	1278.0	1279.5	1281.0
175°	1282.9	1281.2	1281.0	1280.7	1280.5	1280.3	1280.8	1282.1	1283.4	1284.7	1285.9
177.5°	1285.6	1284.4	1284.2	1284.1	1283.9	1283.7	1284.2	1285.2	1286.2	1287.2	1288.3
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.4	8.9	7.8	8.4	8.8	8.8	9.0	9.0	9.0	9.2	9.5
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.3
92.5°	13.5	12.3	11.1	9.9	10.0	11.3	12.6	13.9	15.3	16.3	17.3
95°	53.7	53.1	52.4	51.8	47.4	39.4	31.4	23.3	15.3	16.3	17.3
97.5°	114.6	115.7	116.9	118.0	110.7	94.7	78.8	62.9	46.9	40.9	35.0
100°	159.9	160.4	161.1	161.7	162.5	163.3	164.2	165.0	165.9	134.3	102.7
102.5°	206.5	207.4	208.1	209.0	209.6	210.1	210.6	211.1	211.6	205.7	199.6
105°	281.1	281.9	282.8	283.6	284.1	284.1	284.1	284.1	284.1	284.1	284.1
107.5°	357.7	357.7	357.7	357.7	357.9	358.3	358.7	359.1	359.6	359.6	359.7
110°	408.0	408.0	408.0	408.0	408.2	408.6	409.1	409.4	409.9	409.3	408.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.8	456.3	456.8	457.3	457.7	458.0	458.2	458.5	458.7	457.9	457.1
115°	527.3	528.3	529.3	530.5	531.0	531.3	531.5	531.7	531.9	531.0	530.2
117.5°	599.6	599.6	599.5	599.5	599.8	600.6	601.4	602.2	603.0	601.9	600.9
120°	645.2	644.9	644.7	644.5	644.7	645.4	646.0	646.6	647.2	646.9	646.4
122.5°	686.5	687.4	688.2	689.0	689.6	689.8	690.1	690.4	690.7	690.3	689.8
125°	749.8	751.3	752.7	754.2	755.0	755.0	755.0	755.0	755.0	754.1	753.3
127.5°	809.1	810.1	811.2	812.2	812.7	812.6	812.5	812.3	812.2	811.7	811.2
130°	845.6	846.7	847.7	848.9	849.4	849.7	849.9	850.1	850.3	849.7	849.0
132.5°	882.4	883.6	884.9	886.1	886.5	886.0	885.5	885.0	884.7	884.5	884.4
135°	934.5	935.8	937.1	938.3	938.8	938.3	937.9	937.5	937.1	936.6	936.2
137.5°	982.2	983.3	984.4	985.5	985.9	985.5	985.1	984.7	984.3	984.4	984.5
140°	1012.8	1013.2	1013.6	1014.1	1014.2	1014.0	1013.7	1013.5	1013.3	1013.7	1014.2
142.5°	1040.8	1041.1	1041.3	1041.6	1041.9	1042.2	1042.5	1042.7	1043.0	1043.1	1043.2
145°	1082.4	1082.8	1083.3	1083.6	1083.8	1083.8	1083.8	1083.8	1083.8	1084.1	1084.3
147.5°	1118.1	1118.0	1117.9	1117.9	1117.9	1118.1	1118.4	1118.7	1118.9	1119.2	1119.5
150°	1140.7	1140.2	1139.8	1139.3	1139.3	1139.8	1140.2	1140.7	1141.0	1141.5	1141.9
152.5°	1162.2	1161.3	1160.4	1159.4	1159.2	1159.6	1160.1	1160.5	1160.8	1161.3	1161.7
155°	1190.3	1189.0	1187.8	1186.5	1186.1	1186.5	1186.9	1187.3	1187.8	1188.4	1189.0
157.5°	1212.8	1212.0	1211.3	1210.4	1210.1	1210.1	1210.1	1210.2	1210.2	1211.0	1211.6
160°	1227.5	1226.2	1224.9	1223.7	1223.1	1223.3	1223.6	1223.8	1224.0	1224.8	1225.7
162.5°	1239.7	1238.4	1237.2	1235.9	1235.3	1235.6	1235.8	1236.0	1236.1	1237.4	1238.6
165°	1256.1	1254.8	1253.6	1252.3	1251.7	1252.0	1252.2	1252.4	1252.5	1253.9	1255.1
167.5°	1268.3	1267.0	1265.6	1264.3	1263.8	1263.9	1264.1	1264.4	1264.6	1266.1	1267.6
170°	1275.0	1273.5	1272.0	1270.5	1269.9	1270.1	1270.3	1270.5	1270.7	1272.4	1274.1
172.5°	1279.5	1278.0	1276.6	1275.1	1274.5	1274.9	1275.3	1275.6	1276.0	1277.5	1279.1
175°	1284.7	1283.4	1282.1	1280.8	1280.3	1280.5	1280.7	1281.0	1281.2	1282.9	1284.6
177.5°	1287.2	1286.2	1285.2	1284.2	1283.7	1283.9	1284.1	1284.2	1284.4	1285.6	1286.8
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	10.0	10.5	10.1	9.9	10.1	10.5	10.8
90°	18.5	19.5	20.4	21.0	21.6	22.2	22.9
92.5°	18.5	19.5	20.2	20.5	20.7	21.0	21.4
95°	18.5	19.5	20.0	20.0	20.0	20.0	20.0
97.5°	28.9	23.0	20.0	20.0	20.0	20.0	20.0
100°	71.2	39.6	23.4	22.5	21.7	20.8	20.0
102.5°	193.7	187.8	177.6	163.2	148.7	134.3	119.9
105°	284.1	284.1	284.0	283.8	283.5	283.3	283.1
107.5°	359.7	359.8	359.5	358.8	358.2	357.5	356.9
110°	408.0	407.4	407.2	407.4	407.6	407.7	408.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	456.3	455.5	455.0	454.7	454.3	454.0	453.7
115°	529.3	528.5	527.4	526.2	524.9	523.7	522.4
117.5°	599.7	598.6	597.8	597.3	596.7	596.2	595.6
120°	646.0	645.5	644.8	643.8	642.7	641.7	640.6
122.5°	689.5	689.0	688.2	687.0	685.8	684.6	683.3
125°	752.4	751.6	750.8	750.3	749.6	748.9	748.3
127.5°	810.8	810.3	809.3	807.8	806.2	804.6	803.0
130°	848.4	847.7	846.9	845.8	844.8	843.8	842.7
132.5°	884.2	884.1	883.5	882.5	881.4	880.3	879.3
135°	935.8	935.4	934.5	933.2	932.0	930.7	929.4
137.5°	984.6	984.7	984.2	983.1	981.9	980.9	979.8
140°	1014.6	1015.0	1014.6	1013.3	1012.0	1010.8	1009.5
142.5°	1043.3	1043.4	1042.8	1041.5	1040.3	1039.0	1037.7
145°	1084.5	1084.7	1084.2	1082.9	1081.7	1080.3	1079.1
147.5°	1119.7	1119.9	1119.4	1117.8	1116.3	1114.7	1113.2
150°	1142.4	1142.7	1142.1	1140.4	1138.7	1137.0	1135.3
152.5°	1162.2	1162.5	1162.1	1160.5	1159.0	1157.4	1155.9
155°	1189.7	1190.3	1189.8	1188.1	1186.4	1184.7	1183.0
157.5°	1212.3	1213.0	1212.5	1210.8	1209.1	1207.4	1205.7
160°	1226.5	1227.4	1226.9	1225.3	1223.6	1221.9	1220.2
162.5°	1239.7	1241.0	1240.6	1238.7	1236.9	1235.0	1233.1
165°	1256.4	1257.6	1257.4	1255.7	1254.1	1252.4	1250.7
167.5°	1269.1	1270.7	1270.5	1268.6	1266.7	1264.8	1262.9
170°	1275.8	1277.5	1277.3	1275.4	1273.6	1271.7	1269.7
172.5°	1280.6	1282.1	1282.0	1280.1	1278.1	1276.2	1274.3
175°	1286.3	1288.0	1287.9	1285.9	1284.0	1282.1	1280.3
177.5°	1288.0	1289.2	1289.1	1287.7	1286.4	1285.1	1283.6
180°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9

(END OF REPORT)