

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: P333574-930

Luminaire Tested: **S125RDIP-S850D1205U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333574-930
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: S125RDIP-S850D1205U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6599.7 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

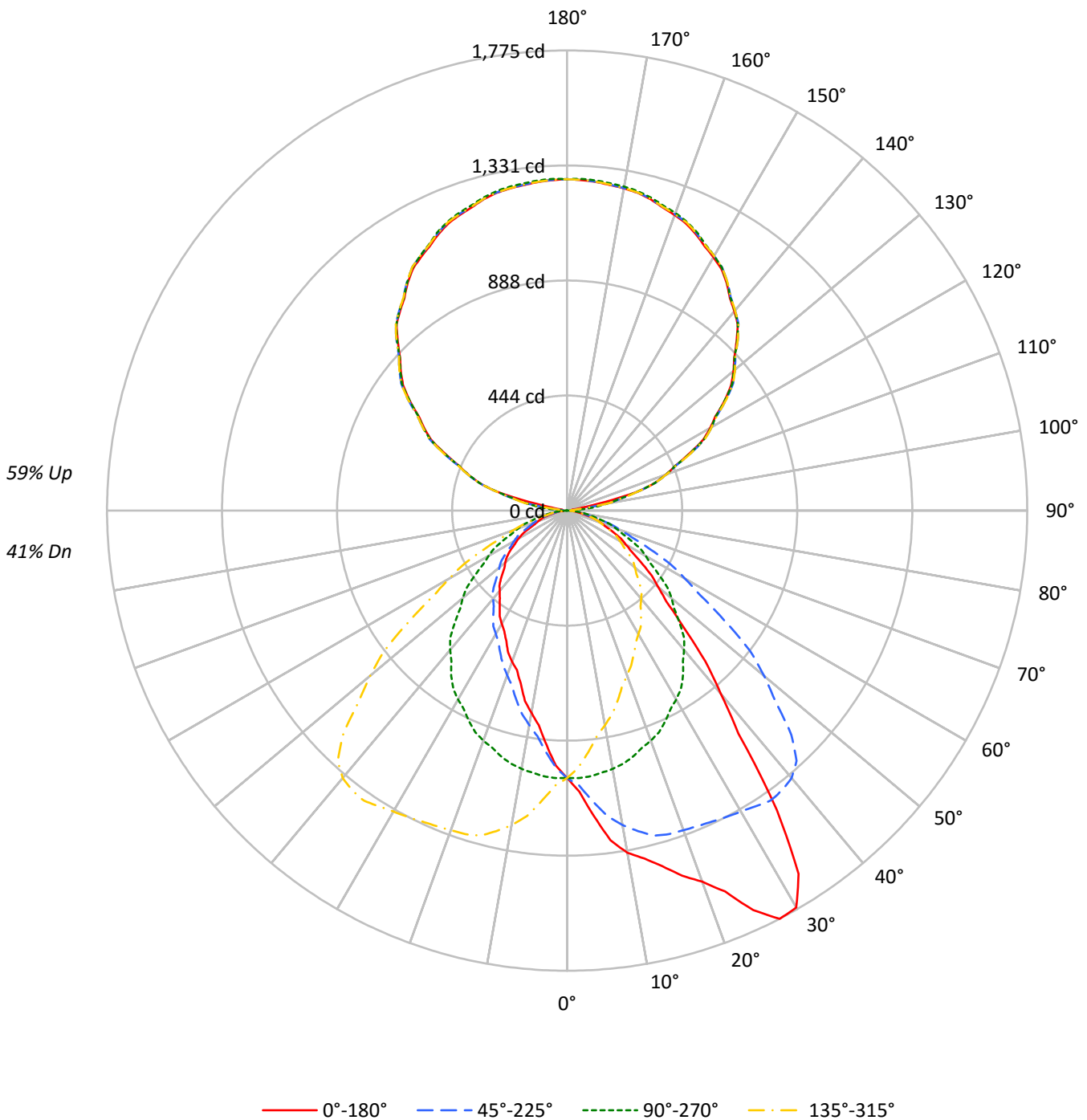
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41				
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	42	41	35				
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30				
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30	25				
4	73	63	55	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22				
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19				
6	62	50	43	37	56	46	39	34	39	33	30	32	28	25	25	22	20	17				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	29	48	38	31	27	32	27	23	26	22	20	21	18	16	14				
9	49	38	30	25	45	35	28	24	29	24	21	24	20	18	19	16	14	12				
10	46	34	27	23	42	32	26	21	27	22	19	22	18	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6660	6660	6660	6660
5°	7662	6669	5890	6669
10°	8790	6635	5197	6635
15°	9494	6567	4619	6567
20°	10469	6488	4265	6488
25°	12115	6383	3958	6383
30°	13184	6272	3757	6272
35°	11121	6144	3572	6144
40°	7766	5914	3412	5914
45°	5761	5602	3255	5602
50°	4594	5279	3122	5279
55°	3899	4877	3003	4877
60°	3369	4517	2811	4517
65°	3001	4128	2419	4128
70°	2638	3780	2206	3780
75°	2283	3276	2071	3276
80°	1733	2756	1733	2756
85°	1445	2164	1630	2164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.5
10°-20°	289.8	4.4
20°-30°	459.5	7.0
30°-40°	554.1	8.4
40°-50°	494.9	7.5
50°-60°	379.5	5.8
60°-70°	246.6	3.7
70°-80°	119.9	1.8
80°-90°	31.3	0.5
90°-100°	46.5	0.7
100°-110°	286.3	4.3
110°-120°	519.2	7.9
120°-130°	666.3	10.1
130°-140°	716.7	10.9
140°-150°	672.7	10.2
150°-160°	544.2	8.2
160°-170°	351.9	5.3
170°-180°	121.4	1.8
0°-30°	848.2	12.9
0°-40°	1402.4	21.2
0°-60°	2276.7	34.5
0°-90°	2674.5	40.5
90°-120°	851.9	12.9
90°-150°	2907.7	44.1
90°-180°	3925.0	59.5
0°-180°	6599.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1031	1031	1031	1031	1031	
5°	1182	1029	908	1029	1182	118
15°	1420	982	691	982	1420	407
25°	1700	896	556	896	1700	781
35°	1410	779	453	779	1410	852
45°	631	613	356	613	631	503
55°	346	433	267	433	346	314
65°	196	270	158	270	196	195
75°	92	131	83	131	92	97
85°	20	29	22	29	20	23
90°	23	1	23	1	23	11
95°	20	54	20	54	20	16
105°	281	279	281	279	281	254
115°	519	523	519	523	519	515
125°	744	744	744	744	744	662
135°	924	928	924	928	924	713
145°	1073	1076	1073	1076	1073	670
155°	1176	1184	1176	1184	1176	542
165°	1243	1250	1243	1250	1243	351
175°	1272	1278	1272	1278	1272	121
180°	1278	1278	1278	1278	1278	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1084.8	1084.1	1085.5	1081.7	1082.1	1076.3	1076.3	1071.9	1066.2	1061.8	1059.7
5°	1181.9	1182.8	1181.1	1174.8	1170.5	1164.2	1157.0	1144.3	1133.7	1123.6	1115.5
7.5°	1282.1	1282.6	1277.1	1275.1	1264.4	1256.6	1240.6	1223.4	1208.0	1188.5	1173.7
10°	1340.3	1339.9	1334.0	1329.3	1320.0	1308.1	1292.5	1272.1	1253.1	1231.9	1211.6
12.5°	1374.2	1373.0	1371.2	1365.5	1356.9	1346.4	1333.1	1313.1	1289.6	1266.5	1242.8
15°	1419.9	1416.9	1411.4	1404.2	1392.0	1379.6	1364.9	1347.1	1324.6	1298.4	1276.4
17.5°	1476.4	1476.5	1468.1	1458.1	1441.4	1419.8	1396.9	1368.2	1337.7	1308.8	1285.3
20°	1523.2	1521.9	1513.4	1494.0	1475.0	1447.8	1421.6	1386.4	1349.2	1311.5	1282.3
22.5°	1590.2	1587.0	1578.2	1552.6	1523.1	1488.2	1448.0	1405.1	1360.0	1317.3	1279.0
25°	1700.1	1697.6	1680.3	1650.7	1609.2	1555.3	1502.8	1444.1	1379.2	1323.0	1276.4
27.5°	1775.3	1772.5	1759.7	1735.0	1696.8	1640.2	1569.1	1490.5	1409.7	1332.2	1265.0
30°	1767.9	1774.3	1772.5	1761.1	1732.3	1681.6	1615.9	1527.5	1431.3	1340.3	1260.3
32.5°	1661.5	1667.2	1682.1	1704.5	1706.3	1686.0	1636.9	1555.2	1455.7	1352.2	1256.5
35°	1410.5	1418.2	1447.0	1492.3	1551.5	1601.1	1611.3	1567.2	1477.9	1366.5	1251.0
37.5°	1084.4	1126.1	1150.3	1198.0	1287.5	1378.7	1466.3	1498.5	1460.5	1360.7	1241.9
40°	921.2	931.3	974.5	1028.3	1103.7	1198.5	1323.4	1413.6	1416.5	1347.1	1227.7
42.5°	788.4	801.3	831.0	873.8	938.4	1033.2	1162.1	1281.2	1336.3	1309.9	1209.1
45°	630.8	640.5	662.1	695.1	744.7	823.0	933.9	1071.5	1180.7	1223.4	1159.1
47.5°	518.2	523.4	542.3	567.4	604.1	661.1	747.0	866.4	997.4	1089.2	1080.2
50°	457.2	463.2	477.5	496.6	527.5	575.8	644.3	743.8	878.9	991.1	1013.5
52.5°	409.8	414.7	423.7	441.7	467.2	504.3	559.6	649.6	771.2	890.5	942.3
55°	346.3	349.7	356.9	367.0	387.3	414.0	461.9	524.1	622.3	742.6	818.7
57.5°	294.0	295.6	300.3	309.7	323.7	343.2	377.7	430.5	500.9	609.2	693.2
60°	260.8	262.4	268.4	274.8	285.8	303.5	330.6	367.5	435.2	524.5	609.6
62.5°	234.4	235.4	237.9	244.3	253.9	267.7	288.9	319.0	372.9	451.3	531.7
65°	196.4	196.9	197.7	202.8	208.7	218.9	232.8	254.0	294.6	353.9	425.0
67.5°	160.0	160.6	163.5	165.3	171.5	176.8	185.1	201.3	229.9	269.9	325.1
70°	139.7	139.3	142.3	144.4	146.5	152.8	158.3	171.5	189.2	219.7	265.9
72.5°	120.7	119.6	120.9	121.6	124.5	128.8	134.3	142.4	156.0	177.0	212.4
75°	91.5	91.9	91.9	92.7	94.8	96.5	98.2	102.5	110.1	124.0	143.1
77.5°	64.2	63.5	65.3	65.6	66.8	68.6	70.1	71.8	74.9	80.7	90.5
80°	46.6	46.6	47.0	48.3	47.9	48.7	50.8	52.5	56.3	59.7	63.1
82.5°	35.7	35.4	35.8	36.0	36.0	36.9	37.6	37.9	39.4	41.1	43.5
85°	19.5	19.5	19.9	19.9	20.3	20.3	20.7	20.7	20.7	21.2	21.6
87.5°	12.0	11.5	11.1	10.9	11.2	11.7	11.1	10.6	10.4	10.1	10.2
90°	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3	16.2	15.2	13.7
92.5°	21.2	21.0	20.6	20.3	20.1	19.4	18.3	17.3	16.2	15.2	13.9
95°	19.9	19.9	19.9	19.9	19.9	19.4	18.3	17.3	16.2	15.2	23.2
97.5°	19.9	19.9	19.9	19.9	19.9	22.8	28.8	34.7	40.7	46.6	62.5
100°	19.9	20.7	21.6	22.4	23.2	39.4	70.8	102.2	133.5	164.9	164.0
102.5°	119.2	133.5	147.8	162.2	176.5	186.6	192.6	198.4	204.4	210.3	209.9
105°	281.4	281.6	281.8	282.0	282.3	282.3	282.3	282.3	282.3	282.3	282.3
107.5°	354.7	355.4	356.0	356.6	357.3	357.6	357.5	357.5	357.4	357.4	357.0
110°	405.5	405.4	405.1	404.9	404.7	404.9	405.5	406.2	406.8	407.4	407.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	451.0	451.3	451.6	451.9	452.2	452.7	453.6	454.4	455.2	455.9	455.7
115°	519.3	520.5	521.8	523.0	524.3	525.4	526.2	527.0	527.9	528.7	528.5
117.5°	592.0	592.6	593.1	593.6	594.2	595.0	596.1	597.2	598.3	599.4	598.6
120°	636.7	637.8	638.9	639.9	641.0	641.7	642.1	642.5	642.9	643.4	642.7
122.5°	679.2	680.4	681.6	682.8	684.0	684.9	685.3	685.7	686.2	686.6	686.3
125°	743.8	744.4	745.1	745.7	746.3	747.1	747.9	748.8	749.6	750.4	750.4
127.5°	798.2	799.7	801.3	802.9	804.5	805.4	805.9	806.3	806.8	807.3	807.4
130°	837.6	838.7	839.8	840.7	841.8	842.7	843.3	843.9	844.6	845.2	845.0
132.5°	874.0	875.1	876.1	877.2	878.2	878.8	878.9	879.1	879.2	879.3	879.8
135°	923.8	925.1	926.3	927.6	928.9	929.8	930.2	930.6	931.0	931.4	931.8
137.5°	973.9	974.9	976.1	977.1	978.3	978.8	978.7	978.6	978.5	978.4	978.8
140°	1003.5	1004.7	1006.0	1007.2	1008.4	1008.9	1008.4	1008.0	1007.6	1007.2	1007.5
142.5°	1031.5	1032.7	1034.0	1035.3	1036.6	1037.1	1037.1	1037.0	1036.9	1036.8	1036.5
145°	1072.6	1073.8	1075.1	1076.4	1077.7	1078.2	1078.0	1077.7	1077.6	1077.3	1077.3
147.5°	1106.5	1108.1	1109.5	1111.1	1112.6	1113.2	1113.0	1112.7	1112.5	1112.2	1112.0
150°	1128.5	1130.2	1131.9	1133.6	1135.2	1135.9	1135.5	1135.1	1134.6	1134.2	1133.8
152.5°	1149.0	1150.5	1152.0	1153.5	1155.0	1155.6	1155.2	1154.7	1154.3	1153.9	1153.5
155°	1175.9	1177.5	1179.2	1181.0	1182.6	1183.2	1182.5	1181.9	1181.3	1180.6	1180.2
157.5°	1198.4	1200.1	1201.8	1203.5	1205.2	1205.7	1205.0	1204.4	1203.6	1203.0	1203.0
160°	1212.8	1214.6	1216.2	1217.9	1219.6	1220.0	1219.1	1218.3	1217.5	1216.6	1216.4
162.5°	1225.7	1227.6	1229.4	1231.3	1233.1	1233.5	1232.3	1231.1	1230.0	1228.7	1228.6
165°	1243.2	1244.8	1246.5	1248.2	1249.9	1250.1	1248.9	1247.6	1246.3	1245.0	1244.8
167.5°	1255.3	1257.2	1259.1	1260.9	1262.9	1263.1	1261.5	1260.0	1258.5	1257.0	1256.8
170°	1262.1	1264.0	1265.9	1267.8	1269.7	1269.8	1268.1	1266.4	1264.8	1263.1	1262.8
172.5°	1266.6	1268.5	1270.5	1272.4	1274.2	1274.4	1272.9	1271.4	1269.9	1268.4	1268.0
175°	1272.5	1274.4	1276.4	1278.2	1280.1	1280.2	1278.6	1276.8	1275.1	1273.5	1273.3
177.5°	1275.9	1277.2	1278.6	1280.0	1281.3	1281.4	1280.3	1279.0	1277.9	1276.7	1276.5
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1059.7	1057.4	1053.0	1048.9	1043.8	1039.4	1036.3	1032.7	1027.8	1022.1	1017.4
5°	1106.6	1097.3	1085.0	1074.5	1060.9	1050.4	1039.3	1028.7	1018.1	1004.6	992.7
7.5°	1158.6	1139.4	1120.7	1097.1	1075.8	1056.7	1038.4	1019.9	1001.8	982.6	964.0
10°	1190.4	1167.2	1141.3	1111.7	1084.6	1058.7	1035.1	1011.8	987.2	965.6	942.3
12.5°	1220.3	1190.2	1160.7	1123.2	1090.7	1059.2	1029.0	1000.0	973.7	945.7	920.7
15°	1247.2	1217.6	1184.5	1138.8	1093.5	1055.4	1019.9	982.2	949.6	918.3	890.3
17.5°	1257.6	1226.5	1188.1	1144.2	1094.7	1046.8	1000.9	959.6	921.3	884.8	853.4
20°	1253.5	1223.4	1184.1	1142.2	1089.2	1039.3	989.8	944.0	901.3	862.7	829.3
22.5°	1243.7	1212.6	1174.6	1130.3	1080.1	1027.1	974.2	925.4	880.6	840.7	804.3
25°	1229.0	1186.7	1147.7	1104.5	1056.6	1004.2	949.6	895.8	848.0	807.3	767.5
27.5°	1213.7	1160.8	1111.3	1068.4	1017.8	970.9	918.4	863.2	812.9	771.5	730.7
30°	1199.8	1140.5	1085.9	1037.2	989.4	944.9	895.0	841.1	789.5	746.8	705.3
32.5°	1182.5	1119.5	1059.5	1003.3	957.2	913.1	867.9	816.4	766.1	722.0	679.9
35°	1160.8	1080.4	1015.2	955.4	904.2	861.5	820.8	779.3	729.0	683.3	642.2
37.5°	1132.4	1041.1	965.6	900.7	846.6	803.6	771.6	733.7	687.7	643.9	605.8
40°	1115.1	1012.6	930.1	865.8	809.0	763.7	733.7	701.5	659.6	618.5	580.4
42.5°	1092.1	986.6	894.2	827.1	770.1	726.4	696.0	668.0	632.8	594.1	553.3
45°	1046.9	936.0	839.1	767.1	709.6	666.8	638.4	613.4	586.8	551.2	515.6
47.5°	988.1	883.3	781.8	703.3	646.9	607.2	579.7	559.9	540.9	510.6	476.1
50°	941.1	839.9	740.9	664.6	604.5	566.9	541.0	525.4	508.0	480.5	451.7
52.5°	885.6	795.2	698.1	620.3	563.5	528.2	503.4	487.8	473.4	451.0	423.6
55°	798.0	718.8	629.9	559.2	507.2	471.6	447.9	433.1	424.6	405.5	384.0
57.5°	697.0	640.3	561.8	493.7	447.7	412.5	395.2	382.5	373.0	359.5	344.3
60°	626.6	586.8	516.5	451.7	409.4	375.9	360.3	349.7	340.8	329.4	317.5
62.5°	555.1	526.1	465.0	409.4	370.4	342.4	327.8	318.2	307.9	300.3	288.7
65°	459.3	433.5	391.2	347.6	311.6	289.1	278.6	270.1	263.7	255.3	247.2
67.5°	357.3	346.8	317.6	287.6	261.7	241.7	232.6	226.7	219.1	213.9	208.5
70°	294.6	289.6	268.8	248.9	224.8	211.2	202.8	200.2	190.9	185.9	182.1
72.5°	239.1	236.8	224.8	211.0	194.0	182.1	174.3	171.5	165.5	161.4	159.0
75°	163.8	164.7	162.6	153.7	147.3	139.7	132.9	131.3	127.0	123.6	121.5
77.5°	103.6	107.9	108.1	107.7	105.2	100.5	97.7	96.4	92.3	91.0	90.5
80°	71.1	75.7	80.0	79.6	78.8	77.5	75.3	74.1	72.0	70.7	69.9
82.5°	47.5	51.8	55.3	57.6	57.4	56.2	54.7	54.1	53.6	52.7	52.6
85°	22.4	23.3	24.5	27.6	29.6	30.1	29.6	29.2	28.0	28.4	28.8
87.5°	10.3	9.9	9.9	9.7	9.0	10.4	11.0	11.0	10.7	10.4	10.0
90°	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0	2.6	4.3	6.0
92.5°	12.6	11.3	9.9	9.9	11.1	12.2	13.5	14.6	13.5	12.2	11.1
95°	31.1	39.1	47.2	51.4	52.1	52.7	53.4	54.0	53.4	52.7	52.1
97.5°	78.3	94.1	110.0	117.3	116.2	115.0	113.9	112.8	113.9	115.0	116.2
100°	163.2	162.3	161.5	160.8	160.1	159.5	158.9	158.2	158.9	159.5	160.1
102.5°	209.4	208.8	208.3	207.7	206.8	206.1	205.3	204.5	205.3	206.1	206.8
105°	282.3	282.3	282.3	281.9	281.1	280.2	279.4	278.6	279.4	280.2	281.1
107.5°	356.5	356.1	355.7	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6
110°	406.6	406.2	405.8	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	455.4	455.2	454.9	454.5	454.0	453.6	453.1	452.6	453.1	453.6	454.0
115°	528.3	528.1	527.9	527.3	526.2	525.1	524.1	523.0	524.1	525.1	526.2
117.5°	597.8	597.0	596.2	595.8	595.9	595.9	596.0	596.0	596.0	595.9	595.9
120°	642.1	641.5	640.8	640.7	640.8	641.1	641.2	641.5	641.2	641.1	640.8
122.5°	686.0	685.7	685.4	684.9	684.0	683.2	682.5	681.7	682.5	683.2	684.0
125°	750.4	750.4	750.4	749.7	748.2	746.7	745.3	743.8	745.3	746.7	748.2
127.5°	807.6	807.6	807.8	807.3	806.2	805.2	804.2	803.2	804.2	805.2	806.2
130°	844.8	844.6	844.3	843.8	842.7	841.6	840.6	839.5	840.6	841.6	842.7
132.5°	880.2	880.7	881.2	880.8	879.5	878.3	877.1	875.9	877.1	878.3	879.5
135°	932.3	932.7	933.1	932.7	931.4	930.2	928.9	927.6	928.9	930.2	931.4
137.5°	979.2	979.6	979.9	979.6	978.4	977.4	976.3	975.2	976.3	977.4	978.4
140°	1007.6	1007.9	1008.0	1008.0	1007.5	1007.1	1006.7	1006.2	1006.7	1007.1	1007.5
142.5°	1036.2	1035.9	1035.6	1035.3	1035.1	1034.9	1034.5	1034.3	1034.5	1034.9	1035.1
145°	1077.3	1077.3	1077.3	1077.1	1076.7	1076.3	1075.9	1075.5	1075.9	1076.3	1076.7
147.5°	1111.7	1111.4	1111.2	1111.1	1111.2	1111.3	1111.3	1111.4	1111.3	1111.3	1111.2
150°	1133.3	1132.9	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2	1133.8	1133.3	1132.9
152.5°	1153.1	1152.7	1152.2	1152.4	1153.4	1154.3	1155.3	1156.2	1155.3	1154.3	1153.4
155°	1179.7	1179.3	1178.9	1179.3	1180.6	1181.9	1183.2	1184.4	1183.2	1181.9	1180.6
157.5°	1202.9	1202.9	1202.8	1203.1	1204.0	1204.7	1205.4	1206.2	1205.4	1204.7	1204.0
160°	1216.2	1216.0	1215.8	1216.3	1217.6	1218.9	1220.1	1221.4	1220.1	1218.9	1217.6
162.5°	1228.3	1228.1	1227.9	1228.4	1229.7	1230.9	1232.2	1233.5	1232.2	1230.9	1229.7
165°	1244.6	1244.4	1244.2	1244.7	1246.0	1247.2	1248.5	1249.8	1248.5	1247.2	1246.0
167.5°	1256.5	1256.4	1256.1	1256.7	1258.0	1259.3	1260.6	1261.9	1260.6	1259.3	1258.0
170°	1262.7	1262.4	1262.2	1262.8	1264.3	1265.8	1267.3	1268.8	1267.3	1265.8	1264.3
172.5°	1267.6	1267.2	1266.8	1267.4	1268.9	1270.3	1271.8	1273.3	1271.8	1270.3	1268.9
175°	1273.1	1272.8	1272.6	1273.2	1274.4	1275.7	1276.9	1278.2	1276.9	1275.7	1274.4
177.5°	1276.4	1276.2	1276.0	1276.4	1277.5	1278.5	1279.4	1280.5	1279.4	1278.5	1277.5
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1014.0	1009.3	1005.8	999.1	994.3	992.3	988.6	987.6	991.3	988.6	988.2
5°	983.8	971.6	961.8	952.1	941.5	934.7	924.5	922.9	920.3	916.6	915.7
7.5°	947.7	931.7	919.2	903.1	889.1	877.8	865.1	859.2	855.8	850.9	844.3
10°	923.3	904.2	887.3	871.2	853.9	839.9	827.2	817.5	811.1	805.2	802.7
12.5°	899.3	879.9	858.2	838.7	819.4	803.6	789.6	783.3	776.2	769.3	763.4
15°	861.9	836.1	812.4	789.9	773.5	756.5	743.0	733.7	723.1	720.1	708.7
17.5°	822.3	797.0	769.2	745.6	726.4	707.8	692.9	682.3	674.4	663.5	658.2
20°	797.6	767.5	740.5	718.8	697.7	675.6	660.4	651.5	643.9	635.0	630.8
22.5°	771.2	741.8	714.0	688.7	667.2	645.6	634.7	625.4	616.8	608.6	603.0
25°	732.4	702.8	673.5	647.3	624.8	609.2	596.5	585.9	581.2	573.2	567.3
27.5°	694.1	662.5	632.2	606.1	588.5	573.0	562.6	554.2	545.8	538.7	533.6
30°	669.3	637.2	604.1	583.3	564.8	549.9	538.5	530.4	524.1	517.7	514.0
32.5°	644.6	611.4	582.1	559.6	542.0	529.3	517.5	509.8	503.1	496.1	491.6
35°	605.0	571.1	547.4	525.4	508.0	496.2	488.1	477.1	471.6	466.5	461.9
37.5°	568.1	536.6	510.9	491.7	476.6	464.8	454.4	448.5	441.7	437.2	433.3
40°	541.0	512.3	488.9	468.6	457.6	444.5	434.8	427.1	422.1	416.1	411.9
42.5°	516.7	489.9	467.2	449.0	435.3	424.2	414.8	407.2	400.7	396.5	393.0
45°	482.2	455.5	433.5	416.5	403.9	393.3	383.5	379.8	371.3	366.2	364.5
47.5°	446.5	422.7	401.5	385.8	372.8	362.8	353.7	345.8	341.2	336.2	333.5
50°	422.5	399.7	379.8	364.5	351.8	340.8	332.3	327.3	320.9	316.3	312.8
52.5°	398.4	377.3	357.4	342.8	331.8	320.8	311.4	306.2	300.3	297.3	294.9
55°	364.1	341.6	324.7	310.3	298.9	288.7	279.8	274.8	270.9	268.0	267.1
57.5°	325.1	307.4	291.6	278.7	266.8	257.2	249.4	244.6	241.2	240.8	238.2
60°	299.7	283.6	269.2	255.3	245.1	236.2	229.4	224.0	220.5	220.1	219.3
62.5°	274.3	258.9	245.6	233.3	224.1	215.6	209.1	202.9	200.9	198.8	197.0
65°	236.7	222.7	211.7	201.9	192.2	185.0	178.6	174.8	170.2	167.6	163.0
67.5°	199.7	188.8	178.2	170.0	162.4	155.6	150.3	144.6	141.5	139.4	136.1
70°	175.3	166.8	156.2	147.3	141.4	135.9	131.7	125.3	123.2	121.5	119.8
72.5°	152.2	144.8	135.9	128.7	122.8	117.6	112.7	109.7	107.6	105.9	104.9
75°	119.8	112.6	105.0	99.9	95.7	91.5	88.9	86.7	85.9	85.5	83.8
77.5°	88.0	84.1	78.0	74.0	71.2	69.5	67.3	66.1	66.0	64.2	63.6
80°	67.3	65.2	60.1	58.5	56.3	54.6	53.3	51.2	49.1	48.3	47.0
82.5°	50.1	47.9	45.9	43.2	41.4	40.4	39.1	38.3	38.6	37.4	36.9
85°	26.7	24.5	23.7	23.3	22.4	23.3	22.8	22.4	22.0	21.6	22.0
87.5°	10.0	10.4	10.3	11.3	10.5	11.2	11.3	11.3	11.4	11.7	11.5
90°	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3	18.3	19.4	20.2
92.5°	9.9	9.9	11.3	12.6	13.9	15.2	16.2	17.3	18.3	19.4	20.1
95°	51.4	47.2	39.1	31.1	23.2	15.2	16.2	17.3	18.3	19.4	19.9
97.5°	117.3	110.0	94.1	78.3	62.5	46.6	40.7	34.7	28.8	22.8	19.9
100°	160.8	161.5	162.3	163.2	164.0	164.9	133.5	102.2	70.8	39.4	23.2
102.5°	207.7	208.3	208.8	209.4	209.9	210.3	204.4	198.4	192.6	186.6	176.5
105°	281.9	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
107.5°	355.6	355.7	356.1	356.5	357.0	357.4	357.4	357.5	357.5	357.6	357.3
110°	405.5	405.8	406.2	406.6	407.0	407.4	406.8	406.2	405.5	404.9	404.7



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	454.5	454.9	455.2	455.4	455.7	455.9	455.2	454.4	453.6	452.7	452.2
115°	527.3	527.9	528.1	528.3	528.5	528.7	527.9	527.0	526.2	525.4	524.3
117.5°	595.8	596.2	597.0	597.8	598.6	599.4	598.3	597.2	596.1	595.0	594.2
120°	640.7	640.8	641.5	642.1	642.7	643.4	642.9	642.5	642.1	641.7	641.0
122.5°	684.9	685.4	685.7	686.0	686.3	686.6	686.2	685.7	685.3	684.9	684.0
125°	749.7	750.4	750.4	750.4	750.4	750.4	749.6	748.8	747.9	747.1	746.3
127.5°	807.3	807.8	807.6	807.6	807.4	807.3	806.8	806.3	805.9	805.4	804.5
130°	843.8	844.3	844.6	844.8	845.0	845.2	844.6	843.9	843.3	842.7	841.8
132.5°	880.8	881.2	880.7	880.2	879.8	879.3	879.2	879.1	878.9	878.8	878.2
135°	932.7	933.1	932.7	932.3	931.8	931.4	931.0	930.6	930.2	929.8	928.9
137.5°	979.6	979.9	979.6	979.2	978.8	978.4	978.5	978.6	978.7	978.8	978.3
140°	1008.0	1008.0	1007.9	1007.6	1007.5	1007.2	1007.6	1008.0	1008.4	1008.9	1008.4
142.5°	1035.3	1035.6	1035.9	1036.2	1036.5	1036.8	1036.9	1037.0	1037.1	1037.1	1036.6
145°	1077.1	1077.3	1077.3	1077.3	1077.3	1077.3	1077.6	1077.7	1078.0	1078.2	1077.7
147.5°	1111.1	1111.2	1111.4	1111.7	1112.0	1112.2	1112.5	1112.7	1113.0	1113.2	1112.6
150°	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2	1134.6	1135.1	1135.5	1135.9	1135.2
152.5°	1152.4	1152.2	1152.7	1153.1	1153.5	1153.9	1154.3	1154.7	1155.2	1155.6	1155.0
155°	1179.3	1178.9	1179.3	1179.7	1180.2	1180.6	1181.3	1181.9	1182.5	1183.2	1182.6
157.5°	1203.1	1202.8	1202.9	1202.9	1203.0	1203.0	1203.6	1204.4	1205.0	1205.7	1205.2
160°	1216.3	1215.8	1216.0	1216.2	1216.4	1216.6	1217.5	1218.3	1219.1	1220.0	1219.6
162.5°	1228.4	1227.9	1228.1	1228.3	1228.6	1228.7	1230.0	1231.1	1232.3	1233.5	1233.1
165°	1244.7	1244.2	1244.4	1244.6	1244.8	1245.0	1246.3	1247.6	1248.9	1250.1	1249.9
167.5°	1256.7	1256.1	1256.4	1256.5	1256.8	1257.0	1258.5	1260.0	1261.5	1263.1	1262.9
170°	1262.8	1262.2	1262.4	1262.7	1262.8	1263.1	1264.8	1266.4	1268.1	1269.8	1269.7
172.5°	1267.4	1266.8	1267.2	1267.6	1268.0	1268.4	1269.9	1271.4	1272.9	1274.4	1274.2
175°	1273.2	1272.6	1272.8	1273.1	1273.3	1273.5	1275.1	1276.8	1278.6	1280.2	1280.1
177.5°	1276.4	1276.0	1276.2	1276.4	1276.5	1276.7	1277.9	1279.0	1280.3	1281.4	1281.3
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	987.9	984.2	983.2	984.6	983.2	984.2	987.9	988.2	988.6	991.3	987.6
5°	911.4	907.3	909.3	908.5	909.3	907.3	911.4	915.7	916.6	920.3	922.9
7.5°	844.2	838.9	833.4	835.2	833.4	838.9	844.2	844.3	850.9	855.8	859.2
10°	797.1	793.0	790.4	792.5	790.4	793.0	797.1	802.7	805.2	811.1	817.5
12.5°	757.5	755.0	752.8	751.9	752.8	755.0	757.5	763.4	769.3	776.2	783.3
15°	703.6	698.5	696.4	690.9	696.4	698.5	703.6	708.7	720.1	723.1	733.7
17.5°	653.9	652.2	646.7	644.3	646.7	652.2	653.9	658.2	663.5	674.4	682.3
20°	624.4	622.7	617.3	620.6	617.3	622.7	624.4	630.8	635.0	643.9	651.5
22.5°	600.1	596.3	594.5	593.5	594.5	596.3	600.1	603.0	608.6	616.8	625.4
25°	565.6	560.1	558.0	555.5	558.0	560.1	565.6	567.3	573.2	581.2	585.9
27.5°	531.2	528.2	525.5	524.8	525.5	528.2	531.2	533.6	538.7	545.8	554.2
30°	508.8	505.9	503.8	503.8	503.8	505.9	508.8	514.0	517.7	524.1	530.4
32.5°	488.9	486.6	484.5	484.1	484.5	486.6	488.9	491.6	496.1	503.1	509.8
35°	459.7	456.4	455.5	453.0	455.5	456.4	459.7	461.9	466.5	471.6	477.1
37.5°	429.5	426.7	426.6	426.4	426.6	426.7	429.5	433.3	437.2	441.7	448.5
40°	410.3	408.1	407.6	404.7	407.6	408.1	410.3	411.9	416.1	422.1	427.1
42.5°	389.6	388.5	387.0	385.7	387.0	388.5	389.6	393.0	396.5	400.7	407.2
45°	361.5	358.6	358.6	356.4	358.6	358.6	361.5	364.5	366.2	371.3	379.8
47.5°	332.6	330.3	330.5	328.3	330.5	330.3	332.6	333.5	336.2	341.2	345.8
50°	313.2	312.0	311.6	310.7	311.6	312.0	313.2	312.8	316.3	320.9	327.3
52.5°	294.0	293.3	295.0	293.1	295.0	293.3	294.0	294.9	297.3	300.3	306.2
55°	268.0	266.7	269.2	266.7	269.2	266.7	268.0	267.1	268.0	270.9	274.8
57.5°	238.1	236.9	239.2	237.9	239.2	236.9	238.1	238.2	240.8	241.2	244.6
60°	218.4	215.9	217.2	217.6	217.2	215.9	218.4	219.3	220.1	220.5	224.0
62.5°	195.1	193.6	194.4	192.6	194.4	193.6	195.1	197.0	198.8	200.9	202.9
65°	162.2	160.9	159.1	158.3	159.1	160.9	162.2	163.0	167.6	170.2	174.8
67.5°	136.2	133.2	133.1	133.8	133.1	133.2	136.2	136.1	139.4	141.5	144.6
70°	117.2	117.2	116.8	116.8	116.8	117.2	117.2	119.8	121.5	123.2	125.3
72.5°	104.0	103.7	103.0	102.6	103.0	103.7	104.0	104.9	105.9	107.6	109.7
75°	83.8	84.2	83.4	83.0	83.4	84.2	83.8	83.8	85.5	85.9	86.7
77.5°	61.9	60.1	61.1	60.1	61.1	60.1	61.9	63.6	64.2	66.0	66.1
80°	47.0	46.6	47.9	46.6	47.9	46.6	47.0	47.0	48.3	49.1	51.2
82.5°	37.2	36.8	37.3	36.4	37.3	36.8	37.2	36.9	37.4	38.6	38.3
85°	22.4	22.0	21.6	22.0	21.6	22.0	22.4	22.0	21.6	22.0	22.4
87.5°	12.0	11.7	11.9	12.0	11.9	11.7	12.0	11.5	11.7	11.4	11.3
90°	20.9	21.4	22.1	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3
92.5°	20.3	20.6	21.0	21.2	21.0	20.6	20.3	20.1	19.4	18.3	17.3
95°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.4	18.3	17.3
97.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	22.8	28.8	34.7
100°	22.4	21.6	20.7	19.9	20.7	21.6	22.4	23.2	39.4	70.8	102.2
102.5°	162.2	147.8	133.5	119.2	133.5	147.8	162.2	176.5	186.6	192.6	198.4
105°	282.0	281.8	281.6	281.4	281.6	281.8	282.0	282.3	282.3	282.3	282.3
107.5°	356.6	356.0	355.4	354.7	355.4	356.0	356.6	357.3	357.6	357.5	357.5
110°	404.9	405.1	405.4	405.5	405.4	405.1	404.9	404.7	404.9	405.5	406.2



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	451.9	451.6	451.3	451.0	451.3	451.6	451.9	452.2	452.7	453.6	454.4
115°	523.0	521.8	520.5	519.3	520.5	521.8	523.0	524.3	525.4	526.2	527.0
117.5°	593.6	593.1	592.6	592.0	592.6	593.1	593.6	594.2	595.0	596.1	597.2
120°	639.9	638.9	637.8	636.7	637.8	638.9	639.9	641.0	641.7	642.1	642.5
122.5°	682.8	681.6	680.4	679.2	680.4	681.6	682.8	684.0	684.9	685.3	685.7
125°	745.7	745.1	744.4	743.8	744.4	745.1	745.7	746.3	747.1	747.9	748.8
127.5°	802.9	801.3	799.7	798.2	799.7	801.3	802.9	804.5	805.4	805.9	806.3
130°	840.7	839.8	838.7	837.6	838.7	839.8	840.7	841.8	842.7	843.3	843.9
132.5°	877.2	876.1	875.1	874.0	875.1	876.1	877.2	878.2	878.8	878.9	879.1
135°	927.6	926.3	925.1	923.8	925.1	926.3	927.6	928.9	929.8	930.2	930.6
137.5°	977.1	976.1	974.9	973.9	974.9	976.1	977.1	978.3	978.8	978.7	978.6
140°	1007.2	1006.0	1004.7	1003.5	1004.7	1006.0	1007.2	1008.4	1008.9	1008.4	1008.0
142.5°	1035.3	1034.0	1032.7	1031.5	1032.7	1034.0	1035.3	1036.6	1037.1	1037.1	1037.0
145°	1076.4	1075.1	1073.8	1072.6	1073.8	1075.1	1076.4	1077.7	1078.2	1078.0	1077.7
147.5°	1111.1	1109.5	1108.1	1106.5	1108.1	1109.5	1111.1	1112.6	1113.2	1113.0	1112.7
150°	1133.6	1131.9	1130.2	1128.5	1130.2	1131.9	1133.6	1135.2	1135.9	1135.5	1135.1
152.5°	1153.5	1152.0	1150.5	1149.0	1150.5	1152.0	1153.5	1155.0	1155.6	1155.2	1154.7
155°	1181.0	1179.2	1177.5	1175.9	1177.5	1179.2	1181.0	1182.6	1183.2	1182.5	1181.9
157.5°	1203.5	1201.8	1200.1	1198.4	1200.1	1201.8	1203.5	1205.2	1205.7	1205.0	1204.4
160°	1217.9	1216.2	1214.6	1212.8	1214.6	1216.2	1217.9	1219.6	1220.0	1219.1	1218.3
162.5°	1231.3	1229.4	1227.6	1225.7	1227.6	1229.4	1231.3	1233.1	1233.5	1232.3	1231.1
165°	1248.2	1246.5	1244.8	1243.2	1244.8	1246.5	1248.2	1249.9	1250.1	1248.9	1247.6
167.5°	1260.9	1259.1	1257.2	1255.3	1257.2	1259.1	1260.9	1262.9	1263.1	1261.5	1260.0
170°	1267.8	1265.9	1264.0	1262.1	1264.0	1265.9	1267.8	1269.7	1269.8	1268.1	1266.4
172.5°	1272.4	1270.5	1268.5	1266.6	1268.5	1270.5	1272.4	1274.2	1274.4	1272.9	1271.4
175°	1278.2	1276.4	1274.4	1272.5	1274.4	1276.4	1278.2	1280.1	1280.2	1278.6	1276.8
177.5°	1280.0	1278.6	1277.2	1275.9	1277.2	1278.6	1280.0	1281.3	1281.4	1280.3	1279.0
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	988.6	992.3	994.3	999.1	1005.8	1009.3	1014.0	1017.4	1022.1	1027.8	1032.7
5°	924.5	934.7	941.5	952.1	961.8	971.6	983.8	992.7	1004.6	1018.1	1028.7
7.5°	865.1	877.8	889.1	903.1	919.2	931.7	947.7	964.0	982.6	1001.8	1019.9
10°	827.2	839.9	853.9	871.2	887.3	904.2	923.3	942.3	965.6	987.2	1011.8
12.5°	789.6	803.6	819.4	838.7	858.2	879.9	899.3	920.7	945.7	973.7	1000.0
15°	743.0	756.5	773.5	789.9	812.4	836.1	861.9	890.3	918.3	949.6	982.2
17.5°	692.9	707.8	726.4	745.6	769.2	797.0	822.3	853.4	884.8	921.3	959.6
20°	660.4	675.6	697.7	718.8	740.5	767.5	797.6	829.3	862.7	901.3	944.0
22.5°	634.7	645.6	667.2	688.7	714.0	741.8	771.2	804.3	840.7	880.6	925.4
25°	596.5	609.2	624.8	647.3	673.5	702.8	732.4	767.5	807.3	848.0	895.8
27.5°	562.6	573.0	588.5	606.1	632.2	662.5	694.1	730.7	771.5	812.9	863.2
30°	538.5	549.9	564.8	583.3	604.1	637.2	669.3	705.3	746.8	789.5	841.1
32.5°	517.5	529.3	542.0	559.6	582.1	611.4	644.6	679.9	722.0	766.1	816.4
35°	488.1	496.2	508.0	525.4	547.4	571.1	605.0	642.2	683.3	729.0	779.3
37.5°	454.4	464.8	476.6	491.7	510.9	536.6	568.1	605.8	643.9	687.7	733.7
40°	434.8	444.5	457.6	468.6	488.9	512.3	541.0	580.4	618.5	659.6	701.5
42.5°	414.8	424.2	435.3	449.0	467.2	489.9	516.7	553.3	594.1	632.8	668.0
45°	383.5	393.3	403.9	416.5	433.5	455.5	482.2	515.6	551.2	586.8	613.4
47.5°	353.7	362.8	372.8	385.8	401.5	422.7	446.5	476.1	510.6	540.9	559.9
50°	332.3	340.8	351.8	364.5	379.8	399.7	422.5	451.7	480.5	508.0	525.4
52.5°	311.4	320.8	331.8	342.8	357.4	377.3	398.4	423.6	451.0	473.4	487.8
55°	279.8	288.7	298.9	310.3	324.7	341.6	364.1	384.0	405.5	424.6	433.1
57.5°	249.4	257.2	266.8	278.7	291.6	307.4	325.1	344.3	359.5	373.0	382.5
60°	229.4	236.2	245.1	255.3	269.2	283.6	299.7	317.5	329.4	340.8	349.7
62.5°	209.1	215.6	224.1	233.3	245.6	258.9	274.3	288.7	300.3	307.9	318.2
65°	178.6	185.0	192.2	201.9	211.7	222.7	236.7	247.2	255.3	263.7	270.1
67.5°	150.3	155.6	162.4	170.0	178.2	188.8	199.7	208.5	213.9	219.1	226.7
70°	131.7	135.9	141.4	147.3	156.2	166.8	175.3	182.1	185.9	190.9	200.2
72.5°	112.7	117.6	122.8	128.7	135.9	144.8	152.2	159.0	161.4	165.5	171.5
75°	88.9	91.5	95.7	99.9	105.0	112.6	119.8	121.5	123.6	127.0	131.3
77.5°	67.3	69.5	71.2	74.0	78.0	84.1	88.0	90.5	91.0	92.3	96.4
80°	53.3	54.6	56.3	58.5	60.1	65.2	67.3	69.9	70.7	72.0	74.1
82.5°	39.1	40.4	41.4	43.2	45.9	47.9	50.1	52.6	52.7	53.6	54.1
85°	22.8	23.3	22.4	23.3	23.7	24.5	26.7	28.8	28.4	28.0	29.2
87.5°	11.3	11.2	10.5	11.3	10.3	10.4	10.0	10.0	10.4	10.7	11.0
90°	16.2	15.2	13.7	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0
92.5°	16.2	15.2	13.9	12.6	11.3	9.9	9.9	11.1	12.2	13.5	14.6
95°	16.2	15.2	23.2	31.1	39.1	47.2	51.4	52.1	52.7	53.4	54.0
97.5°	40.7	46.6	62.5	78.3	94.1	110.0	117.3	116.2	115.0	113.9	112.8
100°	133.5	164.9	164.0	163.2	162.3	161.5	160.8	160.1	159.5	158.9	158.2
102.5°	204.4	210.3	209.9	209.4	208.8	208.3	207.7	206.8	206.1	205.3	204.5
105°	282.3	282.3	282.3	282.3	282.3	282.3	281.9	281.1	280.2	279.4	278.6
107.5°	357.4	357.4	357.0	356.5	356.1	355.7	355.6	355.6	355.6	355.6	355.6
110°	406.8	407.4	407.0	406.6	406.2	405.8	405.5	405.5	405.5	405.5	405.5



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	455.2	455.9	455.7	455.4	455.2	454.9	454.5	454.0	453.6	453.1	452.6
115°	527.9	528.7	528.5	528.3	528.1	527.9	527.3	526.2	525.1	524.1	523.0
117.5°	598.3	599.4	598.6	597.8	597.0	596.2	595.8	595.9	595.9	596.0	596.0
120°	642.9	643.4	642.7	642.1	641.5	640.8	640.7	640.8	641.1	641.2	641.5
122.5°	686.2	686.6	686.3	686.0	685.7	685.4	684.9	684.0	683.2	682.5	681.7
125°	749.6	750.4	750.4	750.4	750.4	750.4	749.7	748.2	746.7	745.3	743.8
127.5°	806.8	807.3	807.4	807.6	807.6	807.8	807.3	806.2	805.2	804.2	803.2
130°	844.6	845.2	845.0	844.8	844.6	844.3	843.8	842.7	841.6	840.6	839.5
132.5°	879.2	879.3	879.8	880.2	880.7	881.2	880.8	879.5	878.3	877.1	875.9
135°	931.0	931.4	931.8	932.3	932.7	933.1	932.7	931.4	930.2	928.9	927.6
137.5°	978.5	978.4	978.8	979.2	979.6	979.9	979.6	978.4	977.4	976.3	975.2
140°	1007.6	1007.2	1007.5	1007.6	1007.9	1008.0	1008.0	1007.5	1007.1	1006.7	1006.2
142.5°	1036.9	1036.8	1036.5	1036.2	1035.9	1035.6	1035.3	1035.1	1034.9	1034.5	1034.3
145°	1077.6	1077.3	1077.3	1077.3	1077.3	1077.3	1077.1	1076.7	1076.3	1075.9	1075.5
147.5°	1112.5	1112.2	1112.0	1111.7	1111.4	1111.2	1111.1	1111.2	1111.3	1111.3	1111.4
150°	1134.6	1134.2	1133.8	1133.3	1132.9	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2
152.5°	1154.3	1153.9	1153.5	1153.1	1152.7	1152.2	1152.4	1153.4	1154.3	1155.3	1156.2
155°	1181.3	1180.6	1180.2	1179.7	1179.3	1178.9	1179.3	1180.6	1181.9	1183.2	1184.4
157.5°	1203.6	1203.0	1203.0	1202.9	1202.9	1202.8	1203.1	1204.0	1204.7	1205.4	1206.2
160°	1217.5	1216.6	1216.4	1216.2	1216.0	1215.8	1216.3	1217.6	1218.9	1220.1	1221.4
162.5°	1230.0	1228.7	1228.6	1228.3	1228.1	1227.9	1228.4	1229.7	1230.9	1232.2	1233.5
165°	1246.3	1245.0	1244.8	1244.6	1244.4	1244.2	1244.7	1246.0	1247.2	1248.5	1249.8
167.5°	1258.5	1257.0	1256.8	1256.5	1256.4	1256.1	1256.7	1258.0	1259.3	1260.6	1261.9
170°	1264.8	1263.1	1262.8	1262.7	1262.4	1262.2	1262.8	1264.3	1265.8	1267.3	1268.8
172.5°	1269.9	1268.4	1268.0	1267.6	1267.2	1266.8	1267.4	1268.9	1270.3	1271.8	1273.3
175°	1275.1	1273.5	1273.3	1273.1	1272.8	1272.6	1273.2	1274.4	1275.7	1276.9	1278.2
177.5°	1277.9	1276.7	1276.5	1276.4	1276.2	1276.0	1276.4	1277.5	1278.5	1279.4	1280.5
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333574-930

CATALOG NUMBER: S125RDIP-S850D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1036.3	1039.4	1043.8	1048.9	1053.0	1057.4	1059.7	1059.7	1061.8	1066.2	1071.9
5°	1039.3	1050.4	1060.9	1074.5	1085.0	1097.3	1106.6	1115.5	1123.6	1133.7	1144.3
7.5°	1038.4	1056.7	1075.8	1097.1	1120.7	1139.4	1158.6	1173.7	1188.5	1208.0	1223.4
10°	1035.1	1058.7	1084.6	1111.7	1141.3	1167.2	1190.4	1211.6	1231.9	1253.1	1272.1
12.5°	1029.0	1059.2	1090.7	1123.2	1160.7	1190.2	1220.3	1242.8	1266.5	1289.6	1313.1
15°	1019.9	1055.4	1093.5	1138.8	1184.5	1217.6	1247.2	1276.4	1298.4	1324.6	1347.1
17.5°	1000.9	1046.8	1094.7	1144.2	1188.1	1226.5	1257.6	1285.3	1308.8	1337.7	1368.2
20°	989.8	1039.3	1089.2	1142.2	1184.1	1223.4	1253.5	1282.3	1311.5	1349.2	1386.4
22.5°	974.2	1027.1	1080.1	1130.3	1174.6	1212.6	1243.7	1279.0	1317.3	1360.0	1405.1
25°	949.6	1004.2	1056.6	1104.5	1147.7	1186.7	1229.0	1276.4	1323.0	1379.2	1444.1
27.5°	918.4	970.9	1017.8	1068.4	1111.3	1160.8	1213.7	1265.0	1332.2	1409.7	1490.5
30°	895.0	944.9	989.4	1037.2	1085.9	1140.5	1199.8	1260.3	1340.3	1431.3	1527.5
32.5°	867.9	913.1	957.2	1003.3	1059.5	1119.5	1182.5	1256.5	1352.2	1455.7	1555.2
35°	820.8	861.5	904.2	955.4	1015.2	1080.4	1160.8	1251.0	1366.5	1477.9	1567.2
37.5°	771.6	803.6	846.6	900.7	965.6	1041.1	1132.4	1241.9	1360.7	1460.5	1498.5
40°	733.7	763.7	809.0	865.8	930.1	1012.6	1115.1	1227.7	1347.1	1416.5	1413.6
42.5°	696.0	726.4	770.1	827.1	894.2	986.6	1092.1	1209.1	1309.9	1336.3	1281.2
45°	638.4	666.8	709.6	767.1	839.1	936.0	1046.9	1159.1	1223.4	1180.7	1071.5
47.5°	579.7	607.2	646.9	703.3	781.8	883.3	988.1	1080.2	1089.2	997.4	866.4
50°	541.0	566.9	604.5	664.6	740.9	839.9	941.1	1013.5	991.1	878.9	743.8
52.5°	503.4	528.2	563.5	620.3	698.1	795.2	885.6	942.3	890.5	771.2	649.6
55°	447.9	471.6	507.2	559.2	629.9	718.8	798.0	818.7	742.6	622.3	524.1
57.5°	395.2	412.5	447.7	493.7	561.8	640.3	697.0	693.2	609.2	500.9	430.5
60°	360.3	375.9	409.4	451.7	516.5	586.8	626.6	609.6	524.5	435.2	367.5
62.5°	327.8	342.4	370.4	409.4	465.0	526.1	555.1	531.7	451.3	372.9	319.0
65°	278.6	289.1	311.6	347.6	391.2	433.5	459.3	425.0	353.9	294.6	254.0
67.5°	232.6	241.7	261.7	287.6	317.6	346.8	357.3	325.1	269.9	229.9	201.3
70°	202.8	211.2	224.8	248.9	268.8	289.6	294.6	265.9	219.7	189.2	171.5
72.5°	174.3	182.1	194.0	211.0	224.8	236.8	239.1	212.4	177.0	156.0	142.4
75°	132.9	139.7	147.3	153.7	162.6	164.7	163.8	143.1	124.0	110.1	102.5
77.5°	97.7	100.5	105.2	107.7	108.1	107.9	103.6	90.5	80.7	74.9	71.8
80°	75.3	77.5	78.8	79.6	80.0	75.7	71.1	63.1	59.7	56.3	52.5
82.5°	54.7	56.2	57.4	57.6	55.3	51.8	47.5	43.5	41.1	39.4	37.9
85°	29.6	30.1	29.6	27.6	24.5	23.3	22.4	21.6	21.2	20.7	20.7
87.5°	11.0	10.4	9.0	9.7	9.9	9.9	10.3	10.2	10.1	10.4	10.6
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3
92.5°	13.5	12.2	11.1	9.9	9.9	11.3	12.6	13.9	15.2	16.2	17.3
95°	53.4	52.7	52.1	51.4	47.2	39.1	31.1	23.2	15.2	16.2	17.3
97.5°	113.9	115.0	116.2	117.3	110.0	94.1	78.3	62.5	46.6	40.7	34.7
100°	158.9	159.5	160.1	160.8	161.5	162.3	163.2	164.0	164.9	133.5	102.2
102.5°	205.3	206.1	206.8	207.7	208.3	208.8	209.4	209.9	210.3	204.4	198.4
105°	279.4	280.2	281.1	281.9	282.3	282.3	282.3	282.3	282.3	282.3	282.3
107.5°	355.6	355.6	355.6	355.6	355.7	356.1	356.5	357.0	357.4	357.4	357.5
110°	405.5	405.5	405.5	405.5	405.8	406.2	406.6	407.0	407.4	406.8	406.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	453.1	453.6	454.0	454.5	454.9	455.2	455.4	455.7	455.9	455.2	454.4
115°	524.1	525.1	526.2	527.3	527.9	528.1	528.3	528.5	528.7	527.9	527.0
117.5°	596.0	595.9	595.9	595.8	596.2	597.0	597.8	598.6	599.4	598.3	597.2
120°	641.2	641.1	640.8	640.7	640.8	641.5	642.1	642.7	643.4	642.9	642.5
122.5°	682.5	683.2	684.0	684.9	685.4	685.7	686.0	686.3	686.6	686.2	685.7
125°	745.3	746.7	748.2	749.7	750.4	750.4	750.4	750.4	750.4	749.6	748.8
127.5°	804.2	805.2	806.2	807.3	807.8	807.6	807.6	807.4	807.3	806.8	806.3
130°	840.6	841.6	842.7	843.8	844.3	844.6	844.8	845.0	845.2	844.6	843.9
132.5°	877.1	878.3	879.5	880.8	881.2	880.7	880.2	879.8	879.3	879.2	879.1
135°	928.9	930.2	931.4	932.7	933.1	932.7	932.3	931.8	931.4	931.0	930.6
137.5°	976.3	977.4	978.4	979.6	979.9	979.6	979.2	978.8	978.4	978.5	978.6
140°	1006.7	1007.1	1007.5	1008.0	1008.0	1007.9	1007.6	1007.5	1007.2	1007.6	1008.0
142.5°	1034.5	1034.9	1035.1	1035.3	1035.6	1035.9	1036.2	1036.5	1036.8	1036.9	1037.0
145°	1075.9	1076.3	1076.7	1077.1	1077.3	1077.3	1077.3	1077.3	1077.3	1077.6	1077.7
147.5°	1111.3	1111.3	1111.2	1111.1	1111.2	1111.4	1111.7	1112.0	1112.2	1112.5	1112.7
150°	1133.8	1133.3	1132.9	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2	1134.6	1135.1
152.5°	1155.3	1154.3	1153.4	1152.4	1152.2	1152.7	1153.1	1153.5	1153.9	1154.3	1154.7
155°	1183.2	1181.9	1180.6	1179.3	1178.9	1179.3	1179.7	1180.2	1180.6	1181.3	1181.9
157.5°	1205.4	1204.7	1204.0	1203.1	1202.8	1202.9	1202.9	1203.0	1203.0	1203.6	1204.4
160°	1220.1	1218.9	1217.6	1216.3	1215.8	1216.0	1216.2	1216.4	1216.6	1217.5	1218.3
162.5°	1232.2	1230.9	1229.7	1228.4	1227.9	1228.1	1228.3	1228.6	1228.7	1230.0	1231.1
165°	1248.5	1247.2	1246.0	1244.7	1244.2	1244.4	1244.6	1244.8	1245.0	1246.3	1247.6
167.5°	1260.6	1259.3	1258.0	1256.7	1256.1	1256.4	1256.5	1256.8	1257.0	1258.5	1260.0
170°	1267.3	1265.8	1264.3	1262.8	1262.2	1262.4	1262.7	1262.8	1263.1	1264.8	1266.4
172.5°	1271.8	1270.3	1268.9	1267.4	1266.8	1267.2	1267.6	1268.0	1268.4	1269.9	1271.4
175°	1276.9	1275.7	1274.4	1273.2	1272.6	1272.8	1273.1	1273.3	1273.5	1275.1	1276.8
177.5°	1279.4	1278.5	1277.5	1276.4	1276.0	1276.2	1276.4	1276.5	1276.7	1277.9	1279.0
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1076.3	1076.3	1082.1	1081.7	1085.5	1084.1	1084.8
5°	1157.0	1164.2	1170.5	1174.8	1181.1	1182.8	1181.9
7.5°	1240.6	1256.6	1264.4	1275.1	1277.1	1282.6	1282.1
10°	1292.5	1308.1	1320.0	1329.3	1334.0	1339.9	1340.3
12.5°	1333.1	1346.4	1356.9	1365.5	1371.2	1373.0	1374.2
15°	1364.9	1379.6	1392.0	1404.2	1411.4	1416.9	1419.9
17.5°	1396.9	1419.8	1441.4	1458.1	1468.1	1476.5	1476.4
20°	1421.6	1447.8	1475.0	1494.0	1513.4	1521.9	1523.2
22.5°	1448.0	1488.2	1523.1	1552.6	1578.2	1587.0	1590.2
25°	1502.8	1555.3	1609.2	1650.7	1680.3	1697.6	1700.1
27.5°	1569.1	1640.2	1696.8	1735.0	1759.7	1772.5	1775.3
30°	1615.9	1681.6	1732.3	1761.1	1772.5	1774.3	1767.9
32.5°	1636.9	1686.0	1706.3	1704.5	1682.1	1667.2	1661.5
35°	1611.3	1601.1	1551.5	1492.3	1447.0	1418.2	1410.5
37.5°	1466.3	1378.7	1287.5	1198.0	1150.3	1126.1	1084.4
40°	1323.4	1198.5	1103.7	1028.3	974.5	931.3	921.2
42.5°	1162.1	1033.2	938.4	873.8	831.0	801.3	788.4
45°	933.9	823.0	744.7	695.1	662.1	640.5	630.8
47.5°	747.0	661.1	604.1	567.4	542.3	523.4	518.2
50°	644.3	575.8	527.5	496.6	477.5	463.2	457.2
52.5°	559.6	504.3	467.2	441.7	423.7	414.7	409.8
55°	461.9	414.0	387.3	367.0	356.9	349.7	346.3
57.5°	377.7	343.2	323.7	309.7	300.3	295.6	294.0
60°	330.6	303.5	285.8	274.8	268.4	262.4	260.8
62.5°	288.9	267.7	253.9	244.3	237.9	235.4	234.4
65°	232.8	218.9	208.7	202.8	197.7	196.9	196.4
67.5°	185.1	176.8	171.5	165.3	163.5	160.6	160.0
70°	158.3	152.8	146.5	144.4	142.3	139.3	139.7
72.5°	134.3	128.8	124.5	121.6	120.9	119.6	120.7
75°	98.2	96.5	94.8	92.7	91.9	91.9	91.5
77.5°	70.1	68.6	66.8	65.6	65.3	63.5	64.2
80°	50.8	48.7	47.9	48.3	47.0	46.6	46.6
82.5°	37.6	36.9	36.0	36.0	35.8	35.4	35.7
85°	20.7	20.3	20.3	19.9	19.9	19.5	19.5
87.5°	11.1	11.7	11.2	10.9	11.1	11.5	12.0
90°	18.3	19.4	20.2	20.9	21.4	22.1	22.7
92.5°	18.3	19.4	20.1	20.3	20.6	21.0	21.2
95°	18.3	19.4	19.9	19.9	19.9	19.9	19.9
97.5°	28.8	22.8	19.9	19.9	19.9	19.9	19.9
100°	70.8	39.4	23.2	22.4	21.6	20.7	19.9
102.5°	192.6	186.6	176.5	162.2	147.8	133.5	119.2
105°	282.3	282.3	282.3	282.0	281.8	281.6	281.4
107.5°	357.5	357.6	357.3	356.6	356.0	355.4	354.7
110°	405.5	404.9	404.7	404.9	405.1	405.4	405.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	453.6	452.7	452.2	451.9	451.6	451.3	451.0
115°	526.2	525.4	524.3	523.0	521.8	520.5	519.3
117.5°	596.1	595.0	594.2	593.6	593.1	592.6	592.0
120°	642.1	641.7	641.0	639.9	638.9	637.8	636.7
122.5°	685.3	684.9	684.0	682.8	681.6	680.4	679.2
125°	747.9	747.1	746.3	745.7	745.1	744.4	743.8
127.5°	805.9	805.4	804.5	802.9	801.3	799.7	798.2
130°	843.3	842.7	841.8	840.7	839.8	838.7	837.6
132.5°	878.9	878.8	878.2	877.2	876.1	875.1	874.0
135°	930.2	929.8	928.9	927.6	926.3	925.1	923.8
137.5°	978.7	978.8	978.3	977.1	976.1	974.9	973.9
140°	1008.4	1008.9	1008.4	1007.2	1006.0	1004.7	1003.5
142.5°	1037.1	1037.1	1036.6	1035.3	1034.0	1032.7	1031.5
145°	1078.0	1078.2	1077.7	1076.4	1075.1	1073.8	1072.6
147.5°	1113.0	1113.2	1112.6	1111.1	1109.5	1108.1	1106.5
150°	1135.5	1135.9	1135.2	1133.6	1131.9	1130.2	1128.5
152.5°	1155.2	1155.6	1155.0	1153.5	1152.0	1150.5	1149.0
155°	1182.5	1183.2	1182.6	1181.0	1179.2	1177.5	1175.9
157.5°	1205.0	1205.7	1205.2	1203.5	1201.8	1200.1	1198.4
160°	1219.1	1220.0	1219.6	1217.9	1216.2	1214.6	1212.8
162.5°	1232.3	1233.5	1233.1	1231.3	1229.4	1227.6	1225.7
165°	1248.9	1250.1	1249.9	1248.2	1246.5	1244.8	1243.2
167.5°	1261.5	1263.1	1262.9	1260.9	1259.1	1257.2	1255.3
170°	1268.1	1269.8	1269.7	1267.8	1265.9	1264.0	1262.1
172.5°	1272.9	1274.4	1274.2	1272.4	1270.5	1268.5	1266.6
175°	1278.6	1280.2	1280.1	1278.2	1276.4	1274.4	1272.5
177.5°	1280.3	1281.4	1281.3	1280.0	1278.6	1277.2	1275.9
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2

(END OF REPORT)