

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: P333043-840

Luminaire Tested: **S124RDIW-S575D1050U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333043-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S575D1050U840-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 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: 6700.7 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

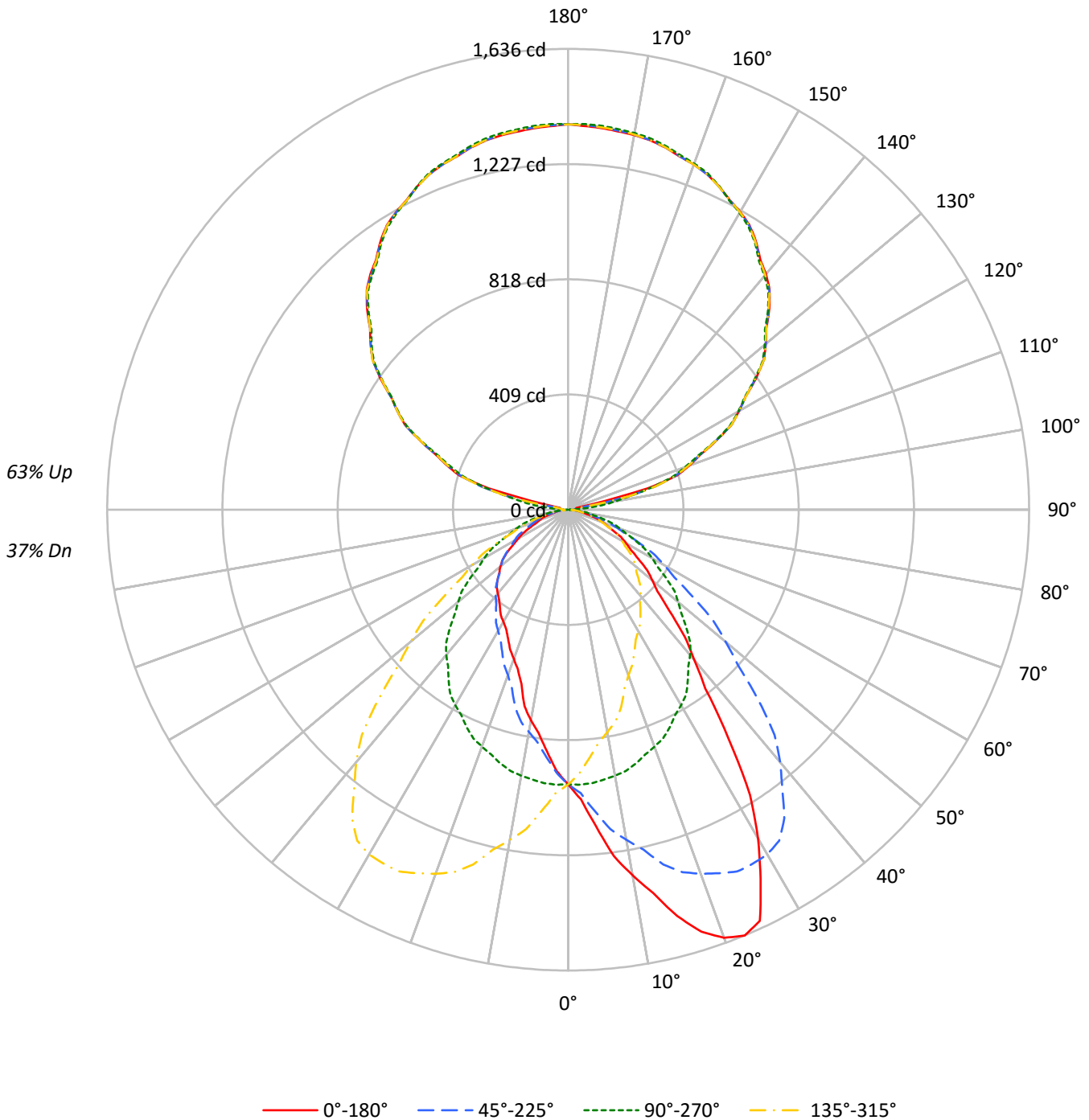
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	41	39	36	31	29	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	21	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11
10	46	34	27	23	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7873	7873	7873	7873
5°	9132	7896	6980	7896
10°	10803	7862	6229	7862
15°	12479	7789	5353	7789
20°	13894	7689	4840	7689
25°	14343	7591	4494	7591
30°	12557	7471	4285	7471
35°	9773	7295	4159	7295
40°	7330	7093	4091	7093
45°	5787	6769	4055	6769
50°	4886	6395	3939	6395
55°	4259	5985	3727	5985
60°	3831	5557	3299	5557
65°	3377	5096	2839	5096
70°	3043	4619	2561	4619
75°	2548	4095	2183	4095
80°	2157	3487	2046	3487
85°	1825	2732	1825	2732



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.4
10°-20°	285.0	4.3
20°-30°	445.8	6.7
30°-40°	495.6	7.4
40°-50°	439.7	6.6
50°-60°	342.6	5.1
60°-70°	224.3	3.3
70°-80°	110.3	1.6
80°-90°	31.2	0.5
90°-100°	46.8	0.7
100°-110°	298.3	4.5
110°-120°	570.7	8.5
120°-130°	724.4	10.8
130°-140°	775.1	11.6
140°-150°	724.8	10.8
150°-160°	584.5	8.7
160°-170°	377.0	5.6
170°-180°	129.9	1.9
0°-30°	825.3	12.3
0°-40°	1320.9	19.7
0°-60°	2103.3	31.4
0°-90°	2469.1	36.8
90°-120°	915.8	13.7
90°-150°	3140.1	46.9
90°-180°	4232.0	63.2
0°-180°	6700.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	975	975	975	975	975	
5°	1127	974	861	974	1127	114
15°	1493	932	640	932	1493	425
25°	1610	852	504	852	1610	714
35°	992	740	422	740	992	622
45°	507	593	355	593	507	401
55°	303	425	265	425	303	275
65°	177	267	149	267	177	178
75°	82	131	70	131	82	90
85°	20	30	20	30	20	23
90°	31	3	31	3	31	14
95°	30	56	30	56	30	24
105°	292	308	292	308	292	254
115°	579	575	579	575	579	573
125°	814	808	814	808	814	725
135°	1010	1003	1010	1003	1010	777
145°	1162	1156	1162	1156	1162	726
155°	1267	1268	1267	1268	1267	584
165°	1331	1337	1331	1337	1331	376
175°	1360	1368	1360	1368	1360	129
180°	1368	1368	1368	1368	1368	



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1028.6	1031.5	1028.6	1028.3	1025.2	1024.3	1023.0	1019.0	1011.4	1006.9	1007.9
5°	1126.9	1136.7	1131.3	1130.4	1121.8	1113.2	1107.6	1095.1	1081.7	1072.7	1065.2
7.5°	1240.5	1246.2	1242.7	1237.2	1223.2	1215.3	1202.5	1186.0	1162.1	1143.7	1127.0
10°	1317.9	1322.5	1321.0	1310.8	1300.6	1279.7	1268.0	1244.8	1214.5	1190.5	1168.1
12.5°	1393.9	1399.0	1385.1	1385.6	1366.2	1349.8	1331.1	1302.0	1267.0	1236.1	1208.1
15°	1493.1	1486.8	1486.8	1478.9	1457.3	1434.5	1415.3	1384.6	1340.6	1303.7	1264.9
17.5°	1570.7	1573.0	1569.7	1551.2	1534.2	1510.7	1475.3	1439.6	1398.7	1349.1	1309.4
20°	1617.3	1617.3	1613.8	1601.1	1579.1	1554.0	1515.9	1477.0	1425.1	1375.2	1330.4
22.5°	1636.1	1637.4	1633.3	1622.9	1603.1	1578.5	1546.1	1506.5	1453.1	1396.9	1341.4
25°	1610.2	1617.6	1618.4	1615.7	1609.8	1594.9	1567.0	1526.5	1478.5	1417.6	1358.0
27.5°	1478.3	1487.7	1496.0	1509.5	1527.6	1537.1	1538.3	1517.7	1475.9	1417.3	1357.3
30°	1347.0	1354.7	1380.3	1413.7	1439.7	1463.2	1483.7	1489.1	1465.6	1412.9	1349.7
32.5°	1201.0	1211.7	1237.3	1273.2	1316.5	1356.3	1402.3	1425.6	1425.0	1393.4	1334.9
35°	991.7	999.6	1023.2	1060.9	1112.8	1172.0	1244.8	1301.3	1339.9	1337.1	1301.3
37.5°	799.8	808.7	832.5	863.8	914.1	987.5	1057.9	1135.9	1207.1	1247.1	1235.1
40°	695.5	695.9	719.0	751.2	798.4	862.4	939.1	1025.5	1104.9	1169.7	1182.2
42.5°	613.1	613.2	628.5	663.3	697.2	757.5	830.6	916.5	1009.4	1084.2	1117.5
45°	506.9	510.4	523.0	543.8	570.5	621.6	680.1	759.9	864.0	952.8	1008.2
47.5°	429.2	434.4	442.4	459.4	480.7	514.7	563.1	634.8	719.5	817.2	896.1
50°	389.0	389.8	400.0	409.4	427.9	455.0	497.5	557.1	635.0	728.8	816.5
52.5°	354.5	354.3	360.4	372.3	387.4	408.5	442.7	497.2	566.1	650.3	740.7
55°	302.6	304.5	309.2	318.6	330.0	345.0	372.1	412.9	467.2	539.1	621.2
57.5°	263.1	264.1	267.8	271.9	282.3	293.2	313.5	341.8	387.6	446.5	523.0
60°	237.3	237.7	238.9	244.8	253.1	263.3	277.0	300.9	339.5	393.3	453.8
62.5°	212.2	212.9	214.7	219.0	225.4	232.5	246.8	266.1	298.0	344.0	398.5
65°	176.8	177.2	180.0	181.6	186.6	192.9	203.5	216.5	238.5	277.0	318.3
67.5°	147.7	147.7	147.8	150.1	153.6	157.7	164.1	174.5	191.1	214.7	251.1
70°	128.9	128.9	129.7	130.9	132.8	136.3	139.9	147.7	160.0	179.2	207.0
72.5°	111.3	111.6	112.4	112.6	113.6	116.5	119.2	124.1	133.2	147.7	170.3
75°	81.7	82.9	84.8	86.4	88.4	88.1	90.8	93.9	96.6	105.3	118.3
77.5°	60.8	60.2	60.4	61.8	62.0	62.4	64.3	66.8	68.9	72.9	77.6
80°	46.4	46.4	47.6	48.0	47.6	48.0	49.9	51.1	51.9	53.4	57.8
82.5°	35.0	35.6	35.2	35.6	36.0	36.4	38.0	38.2	39.0	39.6	41.4
85°	19.7	20.0	20.4	19.7	19.7	19.7	20.4	20.8	21.6	21.2	22.0
87.5°	13.0	12.6	12.8	12.8	13.0	12.5	12.5	12.9	12.0	12.0	11.7
90°	30.7	30.2	29.8	29.3	28.9	28.0	26.6	25.2	23.8	22.5	20.7
92.5°	28.3	28.2	28.1	28.0	27.9	27.2	25.8	24.4	23.0	21.7	19.9
95°	29.7	29.5	29.2	29.0	28.8	28.0	26.6	25.2	23.8	22.5	22.3
97.5°	28.7	28.4	28.2	28.0	27.8	27.6	27.5	27.3	27.2	27.0	52.4
100°	28.7	28.4	28.2	28.0	27.8	29.6	33.4	37.3	41.2	45.0	76.4
102.5°	29.5	29.4	29.4	29.3	29.3	50.1	91.8	133.5	175.2	216.9	221.0
105°	291.6	299.8	308.0	316.2	324.4	327.4	325.4	323.4	321.2	319.2	318.1
107.5°	406.4	405.6	404.7	403.8	402.9	402.0	401.0	400.0	399.0	398.0	396.5
110°	456.4	455.7	454.9	454.3	453.6	453.0	452.6	452.1	451.7	451.2	449.9



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	506.2	505.4	504.5	503.7	502.8	502.4	502.5	502.6	502.7	502.8	502.1
115°	579.2	579.2	579.2	579.2	579.2	578.9	578.5	577.9	577.5	577.0	577.3
117.5°	653.2	653.3	653.4	653.5	653.6	653.7	653.8	653.8	653.9	654.0	653.5
120°	699.8	700.3	700.7	701.3	701.7	701.7	701.3	700.7	700.3	699.8	700.0
122.5°	745.7	746.2	746.6	747.1	747.5	747.6	747.3	747.1	746.8	746.5	746.2
125°	814.5	814.3	814.0	813.7	813.5	813.0	812.4	811.7	811.0	810.3	810.8
127.5°	874.8	874.9	875.1	875.4	875.6	875.7	875.9	876.0	876.2	876.3	875.1
130°	915.7	915.7	915.7	915.7	915.7	915.6	915.4	915.1	914.9	914.7	914.0
132.5°	953.4	953.6	953.7	953.9	954.1	954.1	953.9	953.6	953.4	953.2	952.3
135°	1009.9	1009.5	1009.0	1008.6	1008.0	1007.6	1007.1	1006.7	1006.2	1005.8	1004.9
137.5°	1058.1	1058.3	1058.4	1058.5	1058.7	1058.5	1058.0	1057.5	1057.0	1056.5	1055.5
140°	1091.8	1091.5	1091.3	1091.1	1090.9	1090.4	1089.6	1089.0	1088.3	1087.6	1087.2
142.5°	1119.5	1119.5	1119.4	1119.4	1119.3	1119.1	1118.6	1118.1	1117.6	1117.1	1116.8
145°	1162.4	1161.8	1161.4	1160.9	1160.5	1160.1	1159.9	1159.7	1159.5	1159.2	1159.2
147.5°	1197.7	1197.5	1197.3	1197.1	1196.8	1196.6	1196.4	1196.3	1196.1	1195.9	1196.1
150°	1220.6	1220.4	1220.2	1219.9	1219.7	1219.6	1219.6	1219.6	1219.6	1219.6	1219.8
152.5°	1240.3	1240.4	1240.5	1240.7	1240.8	1240.7	1240.3	1240.0	1239.6	1239.3	1239.7
155°	1266.7	1267.4	1268.1	1268.7	1269.4	1269.3	1268.4	1267.5	1266.6	1265.7	1266.4
157.5°	1288.8	1290.0	1291.1	1292.3	1293.5	1293.5	1292.3	1291.1	1290.0	1288.8	1289.6
160°	1303.5	1304.8	1306.3	1307.6	1309.0	1309.0	1307.6	1306.3	1304.8	1303.5	1303.7
162.5°	1314.9	1316.6	1318.1	1319.6	1321.2	1321.2	1319.9	1318.5	1317.2	1315.8	1316.1
165°	1331.1	1333.2	1335.2	1337.3	1339.3	1339.5	1337.7	1335.8	1334.0	1332.2	1332.2
167.5°	1343.2	1345.5	1347.8	1350.1	1352.3	1352.4	1350.5	1348.5	1346.5	1344.4	1344.6
170°	1350.6	1352.8	1355.1	1357.4	1359.7	1359.9	1358.1	1356.2	1354.4	1352.6	1352.4
172.5°	1354.6	1357.2	1359.6	1362.0	1364.5	1364.8	1363.0	1361.2	1359.4	1357.6	1357.4
175°	1359.8	1362.5	1365.2	1368.0	1370.7	1371.1	1369.0	1367.0	1364.9	1362.9	1362.6
177.5°	1363.1	1365.2	1367.5	1369.6	1371.8	1372.2	1370.7	1369.3	1367.8	1366.3	1365.9
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1004.8	1000.4	998.2	993.1	987.1	984.0	981.2	977.1	971.8	966.1	962.0
5°	1055.8	1046.3	1034.5	1020.4	1007.8	995.6	985.0	974.4	962.3	949.7	937.2
7.5°	1108.1	1089.5	1069.5	1046.3	1023.8	1003.3	984.4	966.3	945.9	927.6	910.9
10°	1144.6	1119.4	1091.6	1062.1	1032.6	1007.0	981.9	959.1	933.9	911.6	892.7
12.5°	1174.2	1144.6	1111.1	1074.3	1038.8	1007.9	979.1	949.4	920.8	896.5	871.3
15°	1223.1	1182.7	1137.5	1093.5	1047.5	1005.5	966.5	932.0	899.4	865.3	841.2
17.5°	1256.9	1208.8	1154.0	1101.1	1046.7	997.1	952.3	911.1	873.4	838.6	810.0
20°	1277.0	1224.0	1163.1	1102.9	1042.0	989.0	940.7	895.0	856.2	818.5	789.0
22.5°	1288.3	1229.6	1163.1	1100.0	1037.0	979.6	926.6	879.1	836.7	799.0	766.4
25°	1291.9	1229.0	1161.0	1088.7	1019.7	958.8	903.7	852.2	805.1	767.4	732.8
27.5°	1286.9	1212.8	1143.3	1069.0	997.7	933.5	875.8	821.6	774.5	734.0	698.5
30°	1279.3	1200.0	1125.3	1048.3	976.0	914.3	853.4	801.5	752.5	710.4	674.7
32.5°	1263.0	1184.3	1104.0	1025.0	951.8	888.3	830.5	778.3	730.1	687.1	649.1
35°	1230.6	1150.8	1063.6	982.7	910.8	844.8	790.5	740.2	694.3	648.3	608.2
37.5°	1187.9	1106.5	1019.7	931.1	859.1	796.8	747.0	699.8	654.9	613.0	568.6
40°	1147.7	1073.5	983.9	895.9	822.0	761.8	715.9	673.1	627.9	586.2	541.8
42.5°	1099.0	1035.7	945.2	856.9	784.0	726.0	683.2	641.4	600.3	559.9	513.5
45°	1017.6	969.8	884.8	800.0	726.5	669.1	629.9	592.9	556.7	518.3	474.6
47.5°	924.4	892.0	818.8	731.8	663.9	612.3	574.3	544.1	513.5	475.0	436.8
50°	859.7	838.9	768.2	688.8	624.0	576.4	537.6	509.2	483.7	446.8	412.5
52.5°	790.5	779.5	719.7	643.8	581.2	534.6	501.4	475.9	450.1	419.4	387.4
55°	685.3	691.2	640.5	574.8	515.9	476.7	446.4	425.2	403.1	377.2	352.4
57.5°	577.5	599.2	565.1	507.5	452.2	416.0	393.1	375.3	356.9	335.3	314.2
60°	513.1	531.2	512.0	461.3	412.9	379.2	358.0	344.2	325.7	306.1	289.9
62.5°	450.3	469.6	458.2	417.3	372.4	343.4	324.7	311.8	298.1	280.9	264.2
65°	371.3	383.8	378.4	350.1	318.3	293.5	276.2	266.8	254.2	241.7	226.7
67.5°	284.4	308.7	305.5	290.4	263.0	243.6	232.3	224.0	212.5	203.2	193.0
70°	233.8	256.2	255.8	243.6	228.6	210.6	202.8	195.7	185.4	176.4	168.1
72.5°	191.4	211.9	214.9	205.6	195.4	181.7	174.1	169.3	159.4	153.2	146.4
75°	134.0	149.0	152.9	152.9	148.1	141.1	134.4	131.3	124.1	118.7	114.7
77.5°	87.9	97.3	103.4	104.8	105.5	103.2	97.7	95.4	90.1	88.1	84.3
80°	62.1	68.4	75.4	77.8	79.8	79.0	76.6	75.0	70.0	68.0	66.4
82.5°	42.9	46.4	52.2	57.4	56.9	58.9	56.9	55.5	51.7	51.0	49.4
85°	22.4	22.8	23.5	27.1	29.1	29.9	30.3	29.5	28.3	28.3	25.5
87.5°	11.3	10.6	10.9	10.5	10.3	11.0	11.5	11.3	10.9	10.4	10.0
90°	18.9	17.1	15.2	13.0	10.6	8.1	5.6	3.0	5.6	8.1	10.6
92.5°	18.1	16.3	14.4	13.4	13.3	13.1	13.0	12.9	13.0	13.1	13.3
95°	22.0	21.8	21.6	25.3	33.1	40.8	48.6	56.2	48.6	40.8	33.1
97.5°	77.8	103.1	128.6	138.8	134.0	129.2	124.3	119.5	124.3	129.2	134.0
100°	107.8	139.2	170.6	184.2	180.1	176.0	171.9	167.8	171.9	176.0	180.1
102.5°	225.1	229.2	233.3	233.8	230.9	227.8	224.8	221.9	224.8	227.8	230.9
105°	317.0	315.8	314.7	313.5	312.0	310.7	309.3	308.0	309.3	310.7	312.0
107.5°	395.0	393.3	391.8	390.7	390.0	389.3	388.7	388.0	388.7	389.3	390.0
110°	448.5	447.2	445.8	444.7	444.0	443.3	442.7	442.0	442.7	443.3	444.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	501.5	500.9	500.3	499.3	498.1	496.9	495.6	494.4	495.6	496.9	498.1
115°	577.5	577.7	577.9	577.7	577.0	576.4	575.7	575.0	575.7	576.4	577.0
117.5°	653.0	652.5	652.0	651.3	650.4	649.4	648.5	647.6	648.5	649.4	650.4
120°	700.3	700.5	700.7	700.4	699.5	698.6	697.7	696.8	697.7	698.6	699.5
122.5°	745.9	745.6	745.3	744.8	744.3	743.7	743.2	742.7	743.2	743.7	744.3
125°	811.2	811.7	812.1	811.9	811.0	810.1	809.2	808.3	809.2	810.1	811.0
127.5°	874.1	873.1	872.0	871.4	871.2	871.0	870.7	870.5	870.7	871.0	871.2
130°	913.3	912.7	912.0	911.5	911.3	911.1	910.9	910.6	910.9	911.1	911.3
132.5°	951.5	950.6	949.8	949.1	948.7	948.3	947.9	947.5	947.9	948.3	948.7
135°	1004.0	1003.1	1002.2	1001.8	1002.0	1002.3	1002.5	1002.7	1002.5	1002.3	1002.0
137.5°	1054.5	1053.5	1052.5	1052.0	1051.9	1051.8	1051.7	1051.6	1051.7	1051.8	1051.9
140°	1086.7	1086.3	1085.8	1085.4	1084.9	1084.5	1084.0	1083.6	1084.0	1084.5	1084.9
142.5°	1116.5	1116.3	1116.0	1115.5	1114.7	1113.8	1113.0	1112.2	1113.0	1113.8	1114.7
145°	1159.2	1159.2	1159.2	1158.9	1158.2	1157.5	1156.9	1156.2	1156.9	1157.5	1158.2
147.5°	1196.4	1196.6	1196.8	1196.3	1195.0	1193.8	1192.4	1191.1	1192.4	1193.8	1195.0
150°	1220.1	1220.3	1220.5	1220.2	1219.3	1218.4	1217.5	1216.6	1217.5	1218.4	1219.3
152.5°	1240.1	1240.5	1240.9	1240.7	1240.0	1239.3	1238.6	1237.8	1238.6	1239.3	1240.0
155°	1267.1	1267.7	1268.4	1268.6	1268.4	1268.2	1268.0	1267.7	1268.0	1268.2	1268.4
157.5°	1290.3	1291.1	1291.9	1292.3	1292.4	1292.6	1292.7	1292.9	1292.7	1292.6	1292.4
160°	1303.9	1304.2	1304.4	1304.8	1305.6	1306.3	1307.0	1307.6	1307.0	1306.3	1305.6
162.5°	1316.3	1316.5	1316.7	1317.3	1318.1	1319.0	1319.9	1320.7	1319.9	1319.0	1318.1
165°	1332.2	1332.2	1332.2	1332.7	1333.8	1335.0	1336.2	1337.3	1336.2	1335.0	1333.8
167.5°	1344.7	1344.8	1345.0	1345.6	1346.9	1348.1	1349.2	1350.4	1349.2	1348.1	1346.9
170°	1352.2	1351.9	1351.7	1352.3	1353.6	1355.0	1356.3	1357.8	1356.3	1355.0	1353.6
172.5°	1357.1	1356.9	1356.7	1357.2	1358.6	1359.9	1361.3	1362.6	1361.3	1359.9	1358.6
175°	1362.4	1362.2	1362.0	1362.5	1363.9	1365.2	1366.7	1368.0	1366.7	1365.2	1363.9
177.5°	1365.6	1365.2	1364.9	1365.3	1366.7	1367.9	1369.2	1370.4	1369.2	1367.9	1366.7
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	957.7	954.5	950.4	945.6	940.0	935.0	932.8	934.6	935.6	933.1	932.8
5°	928.5	918.7	910.8	899.0	889.6	881.7	876.2	873.8	874.6	868.4	866.8
7.5°	895.6	884.0	871.2	857.2	844.1	832.6	826.6	823.2	816.6	813.7	808.9
10°	874.6	858.9	846.4	829.8	815.0	801.1	794.5	789.0	782.3	779.1	772.4
12.5°	852.9	834.8	820.9	803.8	788.5	771.9	765.6	755.4	744.9	738.3	729.7
15°	822.3	800.4	783.5	763.1	745.0	726.1	709.2	690.3	683.3	668.3	659.7
17.5°	786.6	764.3	743.4	716.0	688.1	664.7	646.6	628.6	617.7	608.2	603.8
20°	763.1	742.7	713.6	681.8	650.7	624.7	610.2	598.4	586.6	580.0	575.2
22.5°	740.7	714.7	680.9	646.5	615.5	595.2	582.9	570.8	561.2	554.8	548.6
25°	703.4	669.1	633.4	594.1	572.9	555.2	541.8	532.0	526.1	517.9	514.7
27.5°	664.9	623.5	584.0	557.6	535.5	519.4	507.8	500.4	492.9	487.6	483.5
30°	635.3	593.3	558.0	532.8	510.4	497.1	487.6	479.0	473.1	468.8	465.6
32.5°	606.1	564.1	534.3	507.4	489.7	476.7	466.6	460.1	455.4	449.9	448.0
35°	563.8	526.5	500.6	476.3	458.2	446.4	438.5	431.8	427.9	426.4	425.2
37.5°	523.2	492.6	464.7	444.7	428.7	419.4	410.1	406.9	404.1	401.3	402.6
40°	497.5	468.8	444.0	422.8	409.8	399.6	394.0	390.2	387.8	387.8	387.8
42.5°	475.1	447.1	422.9	403.9	390.9	382.3	376.2	372.8	372.1	371.7	373.7
45°	440.5	414.5	390.2	374.5	363.5	354.8	351.2	348.5	348.5	350.1	350.5
47.5°	406.2	381.8	362.2	344.7	334.6	329.2	326.1	324.7	324.9	326.4	328.2
50°	385.1	361.1	341.8	326.1	316.7	311.5	308.8	308.0	308.8	308.8	311.5
52.5°	362.1	340.6	321.7	308.5	297.8	293.1	291.5	290.4	290.9	292.2	293.4
55°	328.5	309.2	291.1	278.6	270.7	267.6	264.1	264.5	263.7	264.5	264.5
57.5°	294.8	277.5	260.6	250.6	243.8	239.2	235.4	236.4	235.3	235.1	234.5
60°	273.1	254.2	240.9	231.9	224.0	220.0	216.5	217.3	216.1	215.3	213.8
62.5°	249.5	233.8	221.1	212.4	206.0	201.5	197.9	197.1	194.4	191.8	188.2
65°	215.3	202.4	191.0	182.7	176.8	173.3	170.6	168.1	162.3	156.0	152.9
67.5°	182.1	172.7	162.1	155.1	150.4	145.7	140.5	136.4	130.9	127.4	125.5
70°	160.7	151.7	142.6	135.9	130.9	126.5	120.6	117.9	113.9	112.4	110.4
72.5°	140.3	131.9	123.4	117.4	112.0	108.6	104.0	101.2	99.5	98.9	96.8
75°	109.3	102.6	96.2	90.8	86.4	84.1	82.1	80.2	79.4	75.8	73.8
77.5°	79.7	75.2	71.4	67.5	64.3	62.8	59.0	56.8	55.4	53.7	53.3
80°	62.1	59.0	55.0	52.6	48.4	46.8	45.1	44.8	44.4	44.0	43.6
82.5°	46.7	43.5	39.6	38.2	37.1	36.1	35.1	34.7	34.3	34.5	34.5
85°	23.5	22.0	22.0	21.6	21.2	20.8	20.4	20.4	20.0	20.4	20.0
87.5°	10.5	10.6	10.9	10.7	11.4	11.7	11.7	11.9	12.5	12.2	12.4
90°	13.0	15.2	17.1	18.9	20.7	22.5	23.8	25.2	26.6	28.0	28.9
92.5°	13.4	14.4	16.3	18.1	19.9	21.7	23.0	24.4	25.8	27.2	27.9
95°	25.3	21.6	21.8	22.0	22.3	22.5	23.8	25.2	26.6	28.0	28.8
97.5°	138.8	128.6	103.1	77.8	52.4	27.0	27.2	27.3	27.5	27.6	27.8
100°	184.2	170.6	139.2	107.8	76.4	45.0	41.2	37.3	33.4	29.6	27.8
102.5°	233.8	233.3	229.2	225.1	221.0	216.9	175.2	133.5	91.8	50.1	29.3
105°	313.5	314.7	315.8	317.0	318.1	319.2	321.2	323.4	325.4	327.4	324.4
107.5°	390.7	391.8	393.3	395.0	396.5	398.0	399.0	400.0	401.0	402.0	402.9
110°	444.7	445.8	447.2	448.5	449.9	451.2	451.7	452.1	452.6	453.0	453.6



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	499.3	500.3	500.9	501.5	502.1	502.8	502.7	502.6	502.5	502.4	502.8
115°	577.7	577.9	577.7	577.5	577.3	577.0	577.5	577.9	578.5	578.9	579.2
117.5°	651.3	652.0	652.5	653.0	653.5	654.0	653.9	653.8	653.8	653.7	653.6
120°	700.4	700.7	700.5	700.3	700.0	699.8	700.3	700.7	701.3	701.7	701.7
122.5°	744.8	745.3	745.6	745.9	746.2	746.5	746.8	747.1	747.3	747.6	747.5
125°	811.9	812.1	811.7	811.2	810.8	810.3	811.0	811.7	812.4	813.0	813.5
127.5°	871.4	872.0	873.1	874.1	875.1	876.3	876.2	876.0	875.9	875.7	875.6
130°	911.5	912.0	912.7	913.3	914.0	914.7	914.9	915.1	915.4	915.6	915.7
132.5°	949.1	949.8	950.6	951.5	952.3	953.2	953.4	953.6	953.9	954.1	954.1
135°	1001.8	1002.2	1003.1	1004.0	1004.9	1005.8	1006.2	1006.7	1007.1	1007.6	1008.0
137.5°	1052.0	1052.5	1053.5	1054.5	1055.5	1056.5	1057.0	1057.5	1058.0	1058.5	1058.7
140°	1085.4	1085.8	1086.3	1086.7	1087.2	1087.6	1088.3	1089.0	1089.6	1090.4	1090.9
142.5°	1115.5	1116.0	1116.3	1116.5	1116.8	1117.1	1117.6	1118.1	1118.6	1119.1	1119.3
145°	1158.9	1159.2	1159.2	1159.2	1159.2	1159.2	1159.5	1159.7	1159.9	1160.1	1160.5
147.5°	1196.3	1196.8	1196.6	1196.4	1196.1	1195.9	1196.1	1196.3	1196.4	1196.6	1196.8
150°	1220.2	1220.5	1220.3	1220.1	1219.8	1219.6	1219.6	1219.6	1219.6	1219.6	1219.7
152.5°	1240.7	1240.9	1240.5	1240.1	1239.7	1239.3	1239.6	1240.0	1240.3	1240.7	1240.8
155°	1268.6	1268.4	1267.7	1267.1	1266.4	1265.7	1266.6	1267.5	1268.4	1269.3	1269.4
157.5°	1292.3	1291.9	1291.1	1290.3	1289.6	1288.8	1290.0	1291.1	1292.3	1293.5	1293.5
160°	1304.8	1304.4	1304.2	1303.9	1303.7	1303.5	1304.8	1306.3	1307.6	1309.0	1309.0
162.5°	1317.3	1316.7	1316.5	1316.3	1316.1	1315.8	1317.2	1318.5	1319.9	1321.2	1321.2
165°	1332.7	1332.2	1332.2	1332.2	1332.2	1332.2	1334.0	1335.8	1337.7	1339.5	1339.3
167.5°	1345.6	1345.0	1344.8	1344.7	1344.6	1344.4	1346.5	1348.5	1350.5	1352.4	1352.3
170°	1352.3	1351.7	1351.9	1352.2	1352.4	1352.6	1354.4	1356.2	1358.1	1359.9	1359.7
172.5°	1357.2	1356.7	1356.9	1357.1	1357.4	1357.6	1359.4	1361.2	1363.0	1364.8	1364.5
175°	1362.5	1362.0	1362.2	1362.4	1362.6	1362.9	1364.9	1367.0	1369.0	1371.1	1370.7
177.5°	1365.3	1364.9	1365.2	1365.6	1365.9	1366.3	1367.8	1369.3	1370.7	1372.2	1371.8
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	930.9	931.5	929.4	928.7	929.4	931.5	930.9	932.8	933.1	935.6	934.6
5°	863.6	862.8	860.9	861.3	860.9	862.8	863.6	866.8	868.4	874.6	873.8
7.5°	806.1	803.0	804.0	800.7	804.0	803.0	806.1	808.9	813.7	816.6	823.2
10°	770.9	766.6	763.1	759.9	763.1	766.6	770.9	772.4	779.1	782.3	789.0
12.5°	722.9	719.1	714.3	715.3	714.3	719.1	722.9	729.7	738.3	744.9	755.4
15°	654.6	648.7	639.2	640.5	639.2	648.7	654.6	659.7	668.3	683.3	690.3
17.5°	596.8	596.9	592.6	593.6	592.6	596.9	596.8	603.8	608.2	617.7	628.6
20°	566.9	564.2	564.6	563.4	564.6	564.2	566.9	575.2	580.0	586.6	598.4
22.5°	546.2	542.9	540.1	537.7	540.1	542.9	546.2	548.6	554.8	561.2	570.8
25°	511.2	508.9	505.3	504.5	505.3	508.9	511.2	514.7	517.9	526.1	532.0
27.5°	480.4	479.9	478.5	476.7	478.5	479.9	480.4	483.5	487.6	492.9	500.4
30°	462.4	461.7	460.9	459.7	460.9	461.7	462.4	465.6	468.8	473.1	479.0
32.5°	446.5	446.0	445.1	445.2	445.1	446.0	446.5	448.0	449.9	455.4	460.1
35°	423.5	423.1	422.4	422.0	422.4	423.1	423.5	425.2	426.4	427.9	431.8
37.5°	402.2	403.2	402.7	402.6	402.7	403.2	402.2	402.6	401.3	404.1	406.9
40°	387.4	387.8	388.6	388.2	388.6	387.8	387.4	387.8	387.8	387.8	390.2
42.5°	375.2	375.3	376.4	375.0	376.4	375.3	375.2	373.7	371.7	372.1	372.8
45°	353.3	355.6	355.2	355.2	355.2	355.6	353.3	350.5	350.1	348.5	348.5
47.5°	329.2	331.3	331.8	331.7	331.8	331.3	329.2	328.2	326.4	324.9	324.7
50°	313.6	312.8	314.0	313.6	314.0	312.8	313.6	311.5	308.8	308.8	308.0
52.5°	294.4	294.6	294.5	294.1	294.5	294.6	294.4	293.4	292.2	290.9	290.4
55°	264.8	265.2	264.5	264.8	264.5	265.2	264.8	264.5	264.5	263.7	264.5
57.5°	232.8	230.9	231.7	230.8	231.7	230.9	232.8	234.5	235.1	235.3	236.4
60°	209.8	206.7	205.9	204.3	205.9	206.7	209.8	213.8	215.3	216.1	217.3
62.5°	184.0	181.9	179.2	180.5	179.2	181.9	184.0	188.2	191.8	194.4	197.1
65°	149.7	148.1	146.9	148.6	146.9	148.1	149.7	152.9	156.0	162.3	168.1
67.5°	123.9	123.1	123.1	122.3	123.1	123.1	123.9	125.5	127.4	130.9	136.4
70°	110.4	109.3	109.3	108.5	109.3	109.3	110.4	110.4	112.4	113.9	117.9
72.5°	96.5	95.4	95.7	95.2	95.7	95.4	96.5	96.8	98.9	99.5	101.2
75°	71.5	69.6	69.6	70.0	69.6	69.6	71.5	73.8	75.8	79.4	80.2
77.5°	53.3	52.9	53.5	52.8	53.5	52.9	53.3	53.3	53.7	55.4	56.8
80°	43.6	43.2	42.8	44.0	42.8	43.2	43.6	43.6	44.0	44.4	44.8
82.5°	33.8	33.8	33.7	35.2	33.7	33.8	33.8	34.5	34.5	34.3	34.7
85°	20.4	19.7	20.4	19.7	20.4	19.7	20.4	20.0	20.4	20.0	20.4
87.5°	13.1	12.8	12.6	13.0	12.6	12.8	13.1	12.4	12.2	12.5	11.9
90°	29.3	29.8	30.2	30.7	30.2	29.8	29.3	28.9	28.0	26.6	25.2
92.5°	28.0	28.1	28.2	28.3	28.2	28.1	28.0	27.9	27.2	25.8	24.4
95°	29.0	29.2	29.5	29.7	29.5	29.2	29.0	28.8	28.0	26.6	25.2
97.5°	28.0	28.2	28.4	28.7	28.4	28.2	28.0	27.8	27.6	27.5	27.3
100°	28.0	28.2	28.4	28.7	28.4	28.2	28.0	27.8	29.6	33.4	37.3
102.5°	29.3	29.4	29.4	29.5	29.4	29.4	29.3	29.3	50.1	91.8	133.5
105°	316.2	308.0	299.8	291.6	299.8	308.0	316.2	324.4	327.4	325.4	323.4
107.5°	403.8	404.7	405.6	406.4	405.6	404.7	403.8	402.9	402.0	401.0	400.0
110°	454.3	454.9	455.7	456.4	455.7	454.9	454.3	453.6	453.0	452.6	452.1



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	503.7	504.5	505.4	506.2	505.4	504.5	503.7	502.8	502.4	502.5	502.6
115°	579.2	579.2	579.2	579.2	579.2	579.2	579.2	579.2	578.9	578.5	577.9
117.5°	653.5	653.4	653.3	653.2	653.3	653.4	653.5	653.6	653.7	653.8	653.8
120°	701.3	700.7	700.3	699.8	700.3	700.7	701.3	701.7	701.7	701.3	700.7
122.5°	747.1	746.6	746.2	745.7	746.2	746.6	747.1	747.5	747.6	747.3	747.1
125°	813.7	814.0	814.3	814.5	814.3	814.0	813.7	813.5	813.0	812.4	811.7
127.5°	875.4	875.1	874.9	874.8	874.9	875.1	875.4	875.6	875.7	875.9	876.0
130°	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.7	915.6	915.4	915.1
132.5°	953.9	953.7	953.6	953.4	953.6	953.7	953.9	954.1	954.1	953.9	953.6
135°	1008.6	1009.0	1009.5	1009.9	1009.5	1009.0	1008.6	1008.0	1007.6	1007.1	1006.7
137.5°	1058.5	1058.4	1058.3	1058.1	1058.3	1058.4	1058.5	1058.7	1058.5	1058.0	1057.5
140°	1091.1	1091.3	1091.5	1091.8	1091.5	1091.3	1091.1	1090.9	1090.4	1089.6	1089.0
142.5°	1119.4	1119.4	1119.5	1119.5	1119.5	1119.4	1119.4	1119.3	1119.1	1118.6	1118.1
145°	1160.9	1161.4	1161.8	1162.4	1161.8	1161.4	1160.9	1160.5	1160.1	1159.9	1159.7
147.5°	1197.1	1197.3	1197.5	1197.7	1197.5	1197.3	1197.1	1196.8	1196.6	1196.4	1196.3
150°	1219.9	1220.2	1220.4	1220.6	1220.4	1220.2	1219.9	1219.7	1219.6	1219.6	1219.6
152.5°	1240.7	1240.5	1240.4	1240.3	1240.4	1240.5	1240.7	1240.8	1240.7	1240.3	1240.0
155°	1268.7	1268.1	1267.4	1266.7	1267.4	1268.1	1268.7	1269.4	1269.3	1268.4	1267.5
157.5°	1292.3	1291.1	1290.0	1288.8	1290.0	1291.1	1292.3	1293.5	1293.5	1292.3	1291.1
160°	1307.6	1306.3	1304.8	1303.5	1304.8	1306.3	1307.6	1309.0	1309.0	1307.6	1306.3
162.5°	1319.6	1318.1	1316.6	1314.9	1316.6	1318.1	1319.6	1321.2	1321.2	1319.9	1318.5
165°	1337.3	1335.2	1333.2	1331.1	1333.2	1335.2	1337.3	1339.3	1339.5	1337.7	1335.8
167.5°	1350.1	1347.8	1345.5	1343.2	1345.5	1347.8	1350.1	1352.3	1352.4	1350.5	1348.5
170°	1357.4	1355.1	1352.8	1350.6	1352.8	1355.1	1357.4	1359.7	1359.9	1358.1	1356.2
172.5°	1362.0	1359.6	1357.2	1354.6	1357.2	1359.6	1362.0	1364.5	1364.8	1363.0	1361.2
175°	1368.0	1365.2	1362.5	1359.8	1362.5	1365.2	1368.0	1370.7	1371.1	1369.0	1367.0
177.5°	1369.6	1367.5	1365.2	1363.1	1365.2	1367.5	1369.6	1371.8	1372.2	1370.7	1369.3
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	932.8	935.0	940.0	945.6	950.4	954.5	957.7	962.0	966.1	971.8	977.1
5°	876.2	881.7	889.6	899.0	910.8	918.7	928.5	937.2	949.7	962.3	974.4
7.5°	826.6	832.6	844.1	857.2	871.2	884.0	895.6	910.9	927.6	945.9	966.3
10°	794.5	801.1	815.0	829.8	846.4	858.9	874.6	892.7	911.6	933.9	959.1
12.5°	765.6	771.9	788.5	803.8	820.9	834.8	852.9	871.3	896.5	920.8	949.4
15°	709.2	726.1	745.0	763.1	783.5	800.4	822.3	841.2	865.3	899.4	932.0
17.5°	646.6	664.7	688.1	716.0	743.4	764.3	786.6	810.0	838.6	873.4	911.1
20°	610.2	624.7	650.7	681.8	713.6	742.7	763.1	789.0	818.5	856.2	895.0
22.5°	582.9	595.2	615.5	646.5	680.9	714.7	740.7	766.4	799.0	836.7	879.1
25°	541.8	555.2	572.9	594.1	633.4	669.1	703.4	732.8	767.4	805.1	852.2
27.5°	507.8	519.4	535.5	557.6	584.0	623.5	664.9	698.5	734.0	774.5	821.6
30°	487.6	497.1	510.4	532.8	558.0	593.3	635.3	674.7	710.4	752.5	801.5
32.5°	466.6	476.7	489.7	507.4	534.3	564.1	606.1	649.1	687.1	730.1	778.3
35°	438.5	446.4	458.2	476.3	500.6	526.5	563.8	608.2	648.3	694.3	740.2
37.5°	410.1	419.4	428.7	444.7	464.7	492.6	523.2	568.6	613.0	654.9	699.8
40°	394.0	399.6	409.8	422.8	444.0	468.8	497.5	541.8	586.2	627.9	673.1
42.5°	376.2	382.3	390.9	403.9	422.9	447.1	475.1	513.5	559.9	600.3	641.4
45°	351.2	354.8	363.5	374.5	390.2	414.5	440.5	474.6	518.3	556.7	592.9
47.5°	326.1	329.2	334.6	344.7	362.2	381.8	406.2	436.8	475.0	513.5	544.1
50°	308.8	311.5	316.7	326.1	341.8	361.1	385.1	412.5	446.8	483.7	509.2
52.5°	291.5	293.1	297.8	308.5	321.7	340.6	362.1	387.4	419.4	450.1	475.9
55°	264.1	267.6	270.7	278.6	291.1	309.2	328.5	352.4	377.2	403.1	425.2
57.5°	235.4	239.2	243.8	250.6	260.6	277.5	294.8	314.2	335.3	356.9	375.3
60°	216.5	220.0	224.0	231.9	240.9	254.2	273.1	289.9	306.1	325.7	344.2
62.5°	197.9	201.5	206.0	212.4	221.1	233.8	249.5	264.2	280.9	298.1	311.8
65°	170.6	173.3	176.8	182.7	191.0	202.4	215.3	226.7	241.7	254.2	266.8
67.5°	140.5	145.7	150.4	155.1	162.1	172.7	182.1	193.0	203.2	212.5	224.0
70°	120.6	126.5	130.9	135.9	142.6	151.7	160.7	168.1	176.4	185.4	195.7
72.5°	104.0	108.6	112.0	117.4	123.4	131.9	140.3	146.4	153.2	159.4	169.3
75°	82.1	84.1	86.4	90.8	96.2	102.6	109.3	114.7	118.7	124.1	131.3
77.5°	59.0	62.8	64.3	67.5	71.4	75.2	79.7	84.3	88.1	90.1	95.4
80°	45.1	46.8	48.4	52.6	55.0	59.0	62.1	66.4	68.0	70.0	75.0
82.5°	35.1	36.1	37.1	38.2	39.6	43.5	46.7	49.4	51.0	51.7	55.5
85°	20.4	20.8	21.2	21.6	22.0	22.0	23.5	25.5	28.3	28.3	29.5
87.5°	11.7	11.7	11.4	10.7	10.9	10.6	10.5	10.0	10.4	10.9	11.3
90°	23.8	22.5	20.7	18.9	17.1	15.2	13.0	10.6	8.1	5.6	3.0
92.5°	23.0	21.7	19.9	18.1	16.3	14.4	13.4	13.3	13.1	13.0	12.9
95°	23.8	22.5	22.3	22.0	21.8	21.6	25.3	33.1	40.8	48.6	56.2
97.5°	27.2	27.0	52.4	77.8	103.1	128.6	138.8	134.0	129.2	124.3	119.5
100°	41.2	45.0	76.4	107.8	139.2	170.6	184.2	180.1	176.0	171.9	167.8
102.5°	175.2	216.9	221.0	225.1	229.2	233.3	233.8	230.9	227.8	224.8	221.9
105°	321.2	319.2	318.1	317.0	315.8	314.7	313.5	312.0	310.7	309.3	308.0
107.5°	399.0	398.0	396.5	395.0	393.3	391.8	390.7	390.0	389.3	388.7	388.0
110°	451.7	451.2	449.9	448.5	447.2	445.8	444.7	444.0	443.3	442.7	442.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	502.7	502.8	502.1	501.5	500.9	500.3	499.3	498.1	496.9	495.6	494.4
115°	577.5	577.0	577.3	577.5	577.7	577.9	577.7	577.0	576.4	575.7	575.0
117.5°	653.9	654.0	653.5	653.0	652.5	652.0	651.3	650.4	649.4	648.5	647.6
120°	700.3	699.8	700.0	700.3	700.5	700.7	700.4	699.5	698.6	697.7	696.8
122.5°	746.8	746.5	746.2	745.9	745.6	745.3	744.8	744.3	743.7	743.2	742.7
125°	811.0	810.3	810.8	811.2	811.7	812.1	811.9	811.0	810.1	809.2	808.3
127.5°	876.2	876.3	875.1	874.1	873.1	872.0	871.4	871.2	871.0	870.7	870.5
130°	914.9	914.7	914.0	913.3	912.7	912.0	911.5	911.3	911.1	910.9	910.6
132.5°	953.4	953.2	952.3	951.5	950.6	949.8	949.1	948.7	948.3	947.9	947.5
135°	1006.2	1005.8	1004.9	1004.0	1003.1	1002.2	1001.8	1002.0	1002.3	1002.5	1002.7
137.5°	1057.0	1056.5	1055.5	1054.5	1053.5	1052.5	1052.0	1051.9	1051.8	1051.7	1051.6
140°	1088.3	1087.6	1087.2	1086.7	1086.3	1085.8	1085.4	1084.9	1084.5	1084.0	1083.6
142.5°	1117.6	1117.1	1116.8	1116.5	1116.3	1116.0	1115.5	1114.7	1113.8	1113.0	1112.2
145°	1159.5	1159.2	1159.2	1159.2	1159.2	1159.2	1158.9	1158.2	1157.5	1156.9	1156.2
147.5°	1196.1	1195.9	1196.1	1196.4	1196.6	1196.8	1196.3	1195.0	1193.8	1192.4	1191.1
150°	1219.6	1219.6	1219.8	1220.1	1220.3	1220.5	1220.2	1219.3	1218.4	1217.5	1216.6
152.5°	1239.6	1239.3	1239.7	1240.1	1240.5	1240.9	1240.7	1240.0	1239.3	1238.6	1237.8
155°	1266.6	1265.7	1266.4	1267.1	1267.7	1268.4	1268.6	1268.4	1268.2	1268.0	1267.7
157.5°	1290.0	1288.8	1289.6	1290.3	1291.1	1291.9	1292.3	1292.4	1292.6	1292.7	1292.9
160°	1304.8	1303.5	1303.7	1303.9	1304.2	1304.4	1304.8	1305.6	1306.3	1307.0	1307.6
162.5°	1317.2	1315.8	1316.1	1316.3	1316.5	1316.7	1317.3	1318.1	1319.0	1319.9	1320.7
165°	1334.0	1332.2	1332.2	1332.2	1332.2	1332.2	1332.7	1333.8	1335.0	1336.2	1337.3
167.5°	1346.5	1344.4	1344.6	1344.7	1344.8	1345.0	1345.6	1346.9	1348.1	1349.2	1350.4
170°	1354.4	1352.6	1352.4	1352.2	1351.9	1351.7	1352.3	1353.6	1355.0	1356.3	1357.8
172.5°	1359.4	1357.6	1357.4	1357.1	1356.9	1356.7	1357.2	1358.6	1359.9	1361.3	1362.6
175°	1364.9	1362.9	1362.6	1362.4	1362.2	1362.0	1362.5	1363.9	1365.2	1366.7	1368.0
177.5°	1367.8	1366.3	1365.9	1365.6	1365.2	1364.9	1365.3	1366.7	1367.9	1369.2	1370.4
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	981.2	984.0	987.1	993.1	998.2	1000.4	1004.8	1007.9	1006.9	1011.4	1019.0
5°	985.0	995.6	1007.8	1020.4	1034.5	1046.3	1055.8	1065.2	1072.7	1081.7	1095.1
7.5°	984.4	1003.3	1023.8	1046.3	1069.5	1089.5	1108.1	1127.0	1143.7	1162.1	1186.0
10°	981.9	1007.0	1032.6	1062.1	1091.6	1119.4	1144.6	1168.1	1190.5	1214.5	1244.8
12.5°	979.1	1007.9	1038.8	1074.3	1111.1	1144.6	1174.2	1208.1	1236.1	1267.0	1302.0
15°	966.5	1005.5	1047.5	1093.5	1137.5	1182.7	1223.1	1264.9	1303.7	1340.6	1384.6
17.5°	952.3	997.1	1046.7	1101.1	1154.0	1208.8	1256.9	1309.4	1349.1	1398.7	1439.6
20°	940.7	989.0	1042.0	1102.9	1163.1	1224.0	1277.0	1330.4	1375.2	1425.1	1477.0
22.5°	926.6	979.6	1037.0	1100.0	1163.1	1229.6	1288.3	1341.4	1396.9	1453.1	1506.5
25°	903.7	958.8	1019.7	1088.7	1161.0	1229.0	1291.9	1358.0	1417.6	1478.5	1526.5
27.5°	875.8	933.5	997.7	1069.0	1143.3	1212.8	1286.9	1357.3	1417.3	1475.9	1517.7
30°	853.4	914.3	976.0	1048.3	1125.3	1200.0	1279.3	1349.7	1412.9	1465.6	1489.1
32.5°	830.5	888.3	951.8	1025.0	1104.0	1184.3	1263.0	1334.9	1393.4	1425.0	1425.6
35°	790.5	844.8	910.8	982.7	1063.6	1150.8	1230.6	1301.3	1337.1	1339.9	1301.3
37.5°	747.0	796.8	859.1	931.1	1019.7	1106.5	1187.9	1235.1	1247.1	1207.1	1135.9
40°	715.9	761.8	822.0	895.9	983.9	1073.5	1147.7	1182.2	1169.7	1104.9	1025.5
42.5°	683.2	726.0	784.0	856.9	945.2	1035.7	1099.0	1117.5	1084.2	1009.4	916.5
45°	629.9	669.1	726.5	800.0	884.8	969.8	1017.6	1008.2	952.8	864.0	759.9
47.5°	574.3	612.3	663.9	731.8	818.8	892.0	924.4	896.1	817.2	719.5	634.8
50°	537.6	576.4	624.0	688.8	768.2	838.9	859.7	816.5	728.8	635.0	557.1
52.5°	501.4	534.6	581.2	643.8	719.7	779.5	790.5	740.7	650.3	566.1	497.2
55°	446.4	476.7	515.9	574.8	640.5	691.2	685.3	621.2	539.1	467.2	412.9
57.5°	393.1	416.0	452.2	507.5	565.1	599.2	577.5	523.0	446.5	387.6	341.8
60°	358.0	379.2	412.9	461.3	512.0	531.2	513.1	453.8	393.3	339.5	300.9
62.5°	324.7	343.4	372.4	417.3	458.2	469.6	450.3	398.5	344.0	298.0	266.1
65°	276.2	293.5	318.3	350.1	378.4	383.8	371.3	318.3	277.0	238.5	216.5
67.5°	232.3	243.6	263.0	290.4	305.5	308.7	284.4	251.1	214.7	191.1	174.5
70°	202.8	210.6	228.6	243.6	255.8	256.2	233.8	207.0	179.2	160.0	147.7
72.5°	174.1	181.7	195.4	205.6	214.9	211.9	191.4	170.3	147.7	133.2	124.1
75°	134.4	141.1	148.1	152.9	152.9	149.0	134.0	118.3	105.3	96.6	93.9
77.5°	97.7	103.2	105.5	104.8	103.4	97.3	87.9	77.6	72.9	68.9	66.8
80°	76.6	79.0	79.8	77.8	75.4	68.4	62.1	57.8	53.4	51.9	51.1
82.5°	56.9	58.9	56.9	57.4	52.2	46.4	42.9	41.4	39.6	39.0	38.2
85°	30.3	29.9	29.1	27.1	23.5	22.8	22.4	22.0	21.2	21.6	20.8
87.5°	11.5	11.0	10.3	10.5	10.9	10.6	11.3	11.7	12.0	12.0	12.9
90°	5.6	8.1	10.6	13.0	15.2	17.1	18.9	20.7	22.5	23.8	25.2
92.5°	13.0	13.1	13.3	13.4	14.4	16.3	18.1	19.9	21.7	23.0	24.4
95°	48.6	40.8	33.1	25.3	21.6	21.8	22.0	22.3	22.5	23.8	25.2
97.5°	124.3	129.2	134.0	138.8	128.6	103.1	77.8	52.4	27.0	27.2	27.3
100°	171.9	176.0	180.1	184.2	170.6	139.2	107.8	76.4	45.0	41.2	37.3
102.5°	224.8	227.8	230.9	233.8	233.3	229.2	225.1	221.0	216.9	175.2	133.5
105°	309.3	310.7	312.0	313.5	314.7	315.8	317.0	318.1	319.2	321.2	323.4
107.5°	388.7	389.3	390.0	390.7	391.8	393.3	395.0	396.5	398.0	399.0	400.0
110°	442.7	443.3	444.0	444.7	445.8	447.2	448.5	449.9	451.2	451.7	452.1



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	495.6	496.9	498.1	499.3	500.3	500.9	501.5	502.1	502.8	502.7	502.6
115°	575.7	576.4	577.0	577.7	577.9	577.7	577.5	577.3	577.0	577.5	577.9
117.5°	648.5	649.4	650.4	651.3	652.0	652.5	653.0	653.5	654.0	653.9	653.8
120°	697.7	698.6	699.5	700.4	700.7	700.5	700.3	700.0	699.8	700.3	700.7
122.5°	743.2	743.7	744.3	744.8	745.3	745.6	745.9	746.2	746.5	746.8	747.1
125°	809.2	810.1	811.0	811.9	812.1	811.7	811.2	810.8	810.3	811.0	811.7
127.5°	870.7	871.0	871.2	871.4	872.0	873.1	874.1	875.1	876.3	876.2	876.0
130°	910.9	911.1	911.3	911.5	912.0	912.7	913.3	914.0	914.7	914.9	915.1
132.5°	947.9	948.3	948.7	949.1	949.8	950.6	951.5	952.3	953.2	953.4	953.6
135°	1002.5	1002.3	1002.0	1001.8	1002.2	1003.1	1004.0	1004.9	1005.8	1006.2	1006.7
137.5°	1051.7	1051.8	1051.9	1052.0	1052.5	1053.5	1054.5	1055.5	1056.5	1057.0	1057.5
140°	1084.0	1084.5	1084.9	1085.4	1085.8	1086.3	1086.7	1087.2	1087.6	1088.3	1089.0
142.5°	1113.0	1113.8	1114.7	1115.5	1116.0	1116.3	1116.5	1116.8	1117.1	1117.6	1118.1
145°	1156.9	1157.5	1158.2	1158.9	1159.2	1159.2	1159.2	1159.2	1159.2	1159.5	1159.7
147.5°	1192.4	1193.8	1195.0	1196.3	1196.8	1196.6	1196.4	1196.1	1195.9	1196.1	1196.3
150°	1217.5	1218.4	1219.3	1220.2	1220.5	1220.3	1220.1	1219.8	1219.6	1219.6	1219.6
152.5°	1238.6	1239.3	1240.0	1240.7	1240.9	1240.5	1240.1	1239.7	1239.3	1239.6	1240.0
155°	1268.0	1268.2	1268.4	1268.6	1268.4	1267.7	1267.1	1266.4	1265.7	1266.6	1267.5
157.5°	1292.7	1292.6	1292.4	1292.3	1291.9	1291.1	1290.3	1289.6	1288.8	1290.0	1291.1
160°	1307.0	1306.3	1305.6	1304.8	1304.4	1304.2	1303.9	1303.7	1303.5	1304.8	1306.3
162.5°	1319.9	1319.0	1318.1	1317.3	1316.7	1316.5	1316.3	1316.1	1315.8	1317.2	1318.5
165°	1336.2	1335.0	1333.8	1332.7	1332.2	1332.2	1332.2	1332.2	1332.2	1334.0	1335.8
167.5°	1349.2	1348.1	1346.9	1345.6	1345.0	1344.8	1344.7	1344.6	1344.4	1346.5	1348.5
170°	1356.3	1355.0	1353.6	1352.3	1351.7	1351.9	1352.2	1352.4	1352.6	1354.4	1356.2
172.5°	1361.3	1359.9	1358.6	1357.2	1356.7	1356.9	1357.1	1357.4	1357.6	1359.4	1361.2
175°	1366.7	1365.2	1363.9	1362.5	1362.0	1362.2	1362.4	1362.6	1362.9	1364.9	1367.0
177.5°	1369.2	1367.9	1366.7	1365.3	1364.9	1365.2	1365.6	1365.9	1366.3	1367.8	1369.3
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1023.0	1024.3	1025.2	1028.3	1028.6	1031.5	1028.6
5°	1107.6	1113.2	1121.8	1130.4	1131.3	1136.7	1126.9
7.5°	1202.5	1215.3	1223.2	1237.2	1242.7	1246.2	1240.5
10°	1268.0	1279.7	1300.6	1310.8	1321.0	1322.5	1317.9
12.5°	1331.1	1349.8	1366.2	1385.6	1385.1	1399.0	1393.9
15°	1415.3	1434.5	1457.3	1478.9	1486.8	1486.8	1493.1
17.5°	1475.3	1510.7	1534.2	1551.2	1569.7	1573.0	1570.7
20°	1515.9	1554.0	1579.1	1601.1	1613.8	1617.3	1617.3
22.5°	1546.1	1578.5	1603.1	1622.9	1633.3	1637.4	1636.1
25°	1567.0	1594.9	1609.8	1615.7	1618.4	1617.6	1610.2
27.5°	1538.3	1537.1	1527.6	1509.5	1496.0	1487.7	1478.3
30°	1483.7	1463.2	1439.7	1413.7	1380.3	1354.7	1347.0
32.5°	1402.3	1356.3	1316.5	1273.2	1237.3	1211.7	1201.0
35°	1244.8	1172.0	1112.8	1060.9	1023.2	999.6	991.7
37.5°	1057.9	987.5	914.1	863.8	832.5	808.7	799.8
40°	939.1	862.4	798.4	751.2	719.0	695.9	695.5
42.5°	830.6	757.5	697.2	663.3	628.5	613.2	613.1
45°	680.1	621.6	570.5	543.8	523.0	510.4	506.9
47.5°	563.1	514.7	480.7	459.4	442.4	434.4	429.2
50°	497.5	455.0	427.9	409.4	400.0	389.8	389.0
52.5°	442.7	408.5	387.4	372.3	360.4	354.3	354.5
55°	372.1	345.0	330.0	318.6	309.2	304.5	302.6
57.5°	313.5	293.2	282.3	271.9	267.8	264.1	263.1
60°	277.0	263.3	253.1	244.8	238.9	237.7	237.3
62.5°	246.8	232.5	225.4	219.0	214.7	212.9	212.2
65°	203.5	192.9	186.6	181.6	180.0	177.2	176.8
67.5°	164.1	157.7	153.6	150.1	147.8	147.7	147.7
70°	139.9	136.3	132.8	130.9	129.7	128.9	128.9
72.5°	119.2	116.5	113.6	112.6	112.4	111.6	111.3
75°	90.8	88.1	88.4	86.4	84.8	82.9	81.7
77.5°	64.3	62.4	62.0	61.8	60.4	60.2	60.8
80°	49.9	48.0	47.6	48.0	47.6	46.4	46.4
82.5°	38.0	36.4	36.0	35.6	35.2	35.6	35.0
85°	20.4	19.7	19.7	19.7	20.4	20.0	19.7
87.5°	12.5	12.5	13.0	12.8	12.8	12.6	13.0
90°	26.6	28.0	28.9	29.3	29.8	30.2	30.7
92.5°	25.8	27.2	27.9	28.0	28.1	28.2	28.3
95°	26.6	28.0	28.8	29.0	29.2	29.5	29.7
97.5°	27.5	27.6	27.8	28.0	28.2	28.4	28.7
100°	33.4	29.6	27.8	28.0	28.2	28.4	28.7
102.5°	91.8	50.1	29.3	29.3	29.4	29.4	29.5
105°	325.4	327.4	324.4	316.2	308.0	299.8	291.6
107.5°	401.0	402.0	402.9	403.8	404.7	405.6	406.4
110°	452.6	453.0	453.6	454.3	454.9	455.7	456.4



TEST NUMBER: P333043-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	502.5	502.4	502.8	503.7	504.5	505.4	506.2
115°	578.5	578.9	579.2	579.2	579.2	579.2	579.2
117.5°	653.8	653.7	653.6	653.5	653.4	653.3	653.2
120°	701.3	701.7	701.7	701.3	700.7	700.3	699.8
122.5°	747.3	747.6	747.5	747.1	746.6	746.2	745.7
125°	812.4	813.0	813.5	813.7	814.0	814.3	814.5
127.5°	875.9	875.7	875.6	875.4	875.1	874.9	874.8
130°	915.4	915.6	915.7	915.7	915.7	915.7	915.7
132.5°	953.9	954.1	954.1	953.9	953.7	953.6	953.4
135°	1007.1	1007.6	1008.0	1008.6	1009.0	1009.5	1009.9
137.5°	1058.0	1058.5	1058.7	1058.5	1058.4	1058.3	1058.1
140°	1089.6	1090.4	1090.9	1091.1	1091.3	1091.5	1091.8
142.5°	1118.6	1119.1	1119.3	1119.4	1119.4	1119.5	1119.5
145°	1159.9	1160.1	1160.5	1160.9	1161.4	1161.8	1162.4
147.5°	1196.4	1196.6	1196.8	1197.1	1197.3	1197.5	1197.7
150°	1219.6	1219.6	1219.7	1219.9	1220.2	1220.4	1220.6
152.5°	1240.3	1240.7	1240.8	1240.7	1240.5	1240.4	1240.3
155°	1268.4	1269.3	1269.4	1268.7	1268.1	1267.4	1266.7
157.5°	1292.3	1293.5	1293.5	1292.3	1291.1	1290.0	1288.8
160°	1307.6	1309.0	1309.0	1307.6	1306.3	1304.8	1303.5
162.5°	1319.9	1321.2	1321.2	1319.6	1318.1	1316.6	1314.9
165°	1337.7	1339.5	1339.3	1337.3	1335.2	1333.2	1331.1
167.5°	1350.5	1352.4	1352.3	1350.1	1347.8	1345.5	1343.2
170°	1358.1	1359.9	1359.7	1357.4	1355.1	1352.8	1350.6
172.5°	1363.0	1364.8	1364.5	1362.0	1359.6	1357.2	1354.6
175°	1369.0	1371.1	1370.7	1368.0	1365.2	1362.5	1359.8
177.5°	1370.7	1372.2	1371.8	1369.6	1367.5	1365.2	1363.1
180°	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0	1368.0

(END OF REPORT)