

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1034185

Luminaire Tested: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034185
REPORT IS A COMBINATION OF REPORTS P1000638 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B575D470UB35-4F0-XX-W2A-A1
Description: Define 4 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

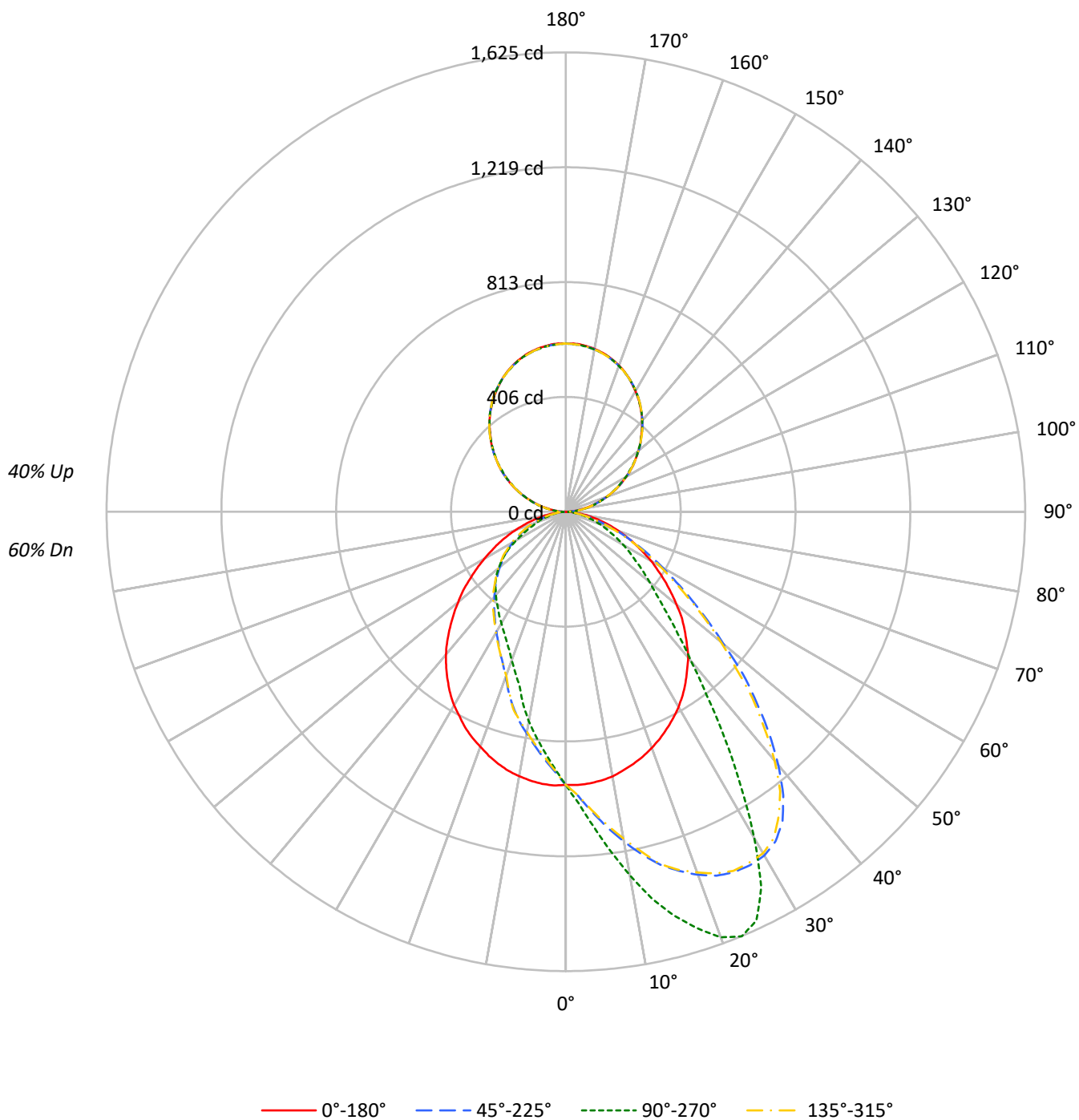
Lumens per Lamp: N/A
Luminaire Lumens: 4094.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 37.2
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65
1	101	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56
2	92	85	79	74	86	80	74	70	70	66	62	60	58	55	52	50	48
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	41
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	42	39	36
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32
6	66	54	46	40	61	51	44	38	45	39	35	40	35	32	35	31	28
7	61	49	41	35	57	46	39	34	41	35	31	36	32	28	32	28	25
8	57	44	37	31	53	42	35	30	37	32	28	33	29	25	29	25	23
9	53	41	33	28	49	39	32	27	34	29	25	31	26	23	27	23	21
10	49	37	30	25	46	35	29	24	32	26	23	28	24	21	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7877	7877	7877	7877
5°	7878	8902	7890	6804
10°	7836	10261	7829	5916
15°	7742	11548	7742	4953
20°	7645	12521	7605	4362
25°	7525	12574	7491	3939
30°	7399	10692	7341	3650
35°	7219	8068	7128	3433
40°	7020	5847	6882	3263
45°	6691	4444	6524	3114
50°	6300	3591	6128	2895
55°	5876	2974	5684	2603
60°	5451	2514	5209	2165
65°	4919	2048	4761	1720
70°	4428	1661	4221	1397
75°	3882	1198	3611	1025
80°	3200	793	2912	753
85°	2321	409	1928	409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 9862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	2.3
10°-20°	282.5	6.9
20°-30°	442.5	10.8
30°-40°	491.4	12.0
40°-50°	435.4	10.6
50°-60°	339.3	8.3
60°-70°	222.0	5.4
70°-80°	108.9	2.7
80°-90°	27.8	0.7
90°-100°	38.8	0.9
100°-110°	116.2	2.8
110°-120°	197.3	4.8
120°-130°	260.2	6.4
130°-140°	292.3	7.1
140°-150°	287.3	7.0
150°-160°	241.6	5.9
160°-170°	160.8	3.9
170°-180°	56.3	1.4
0°-30°	818.5	20.0
0°-40°	1309.9	32.0
0°-60°	2084.6	50.9
0°-90°	2443.3	59.7
90°-120°	352.3	8.6
90°-150°	1192.1	29.1
90°-180°	1651.0	40.3
0°-180°	4094.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	966	966	966	966	966	
5°	964	1116	966	853	964	92
15°	923	1479	923	634	923	260
25°	846	1595	842	500	846	390
35°	738	982	729	418	738	461
45°	595	502	580	352	595	459
55°	428	300	414	262	428	383
65°	269	175	260	147	269	268
75°	135	81	125	69	135	143
85°	32	20	26	20	32	36
90°	1	14	1	14	1	4
95°	28	36	28	36	28	30
105°	107	112	107	112	107	114
115°	201	199	201	199	201	198
125°	292	290	292	290	292	260
135°	377	377	377	377	377	292
145°	458	458	458	458	458	287
155°	524	524	524	524	524	241
165°	571	570	571	570	571	161
175°	594	591	594	591	594	56
180°	595	595	595	595	595	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	967.6	976.1	980.8	984.7	992.5	995.6	1001.8	1003.4	1009.6	1008.8	1006.5
5°	964.5	979.3	990.2	1001.8	1015.8	1023.6	1032.2	1044.6	1050.9	1059.4	1064.9
7.5°	959.0	979.3	997.2	1015.1	1037.6	1050.1	1061.0	1080.5	1096.8	1110.8	1126.4
10°	950.5	976.1	1002.6	1026.7	1057.9	1072.7	1089.0	1117.8	1140.4	1159.9	1184.8
12.5°	937.2	973.0	1002.6	1035.3	1075.0	1095.2	1117.0	1151.3	1177.8	1209.7	1240.8
15°	923.2	962.9	1001.8	1044.6	1089.8	1113.1	1134.9	1180.9	1221.3	1257.9	1292.2
17.5°	907.6	951.2	994.0	1041.5	1096.0	1124.8	1150.5	1205.8	1250.2	1297.6	1331.9
20°	889.0	936.4	985.5	1038.4	1099.9	1131.8	1160.6	1223.7	1272.7	1324.1	1366.9
22.5°	868.7	920.1	973.8	1031.4	1095.2	1130.3	1163.7	1231.5	1288.3	1335.8	1393.4
25°	846.1	900.6	955.9	1016.6	1088.2	1126.4	1160.6	1227.6	1288.3	1350.6	1406.6
27.5°	822.8	878.8	936.4	1000.3	1073.4	1110.8	1149.7	1214.3	1285.2	1352.9	1409.7
30°	797.1	851.6	912.3	973.0	1050.9	1088.2	1127.9	1198.0	1275.1	1342.8	1404.3
32.5°	769.1	825.1	882.7	945.8	1022.1	1062.6	1099.1	1178.5	1257.2	1324.1	1381.7
35°	737.9	790.9	845.4	910.0	985.5	1022.1	1065.7	1148.2	1227.6	1298.4	1335.8
37.5°	704.5	755.1	805.7	869.5	941.9	986.3	1029.1	1112.4	1196.4	1243.9	1263.4
40°	673.3	717.7	762.1	823.6	896.7	942.7	986.3	1072.7	1146.6	1183.2	1168.4
42.5°	633.6	679.6	719.3	776.1	850.0	892.9	937.2	1026.7	1086.7	1101.5	1064.9
45°	594.7	632.9	671.0	726.3	804.1	840.7	888.2	971.5	1021.3	1008.1	954.3
47.5°	556.6	587.7	623.5	677.2	747.3	790.9	835.3	907.6	942.7	924.0	849.3
50°	511.4	542.6	579.9	626.6	694.4	736.4	771.4	838.4	864.8	818.9	728.6
52.5°	468.6	495.9	527.8	571.4	636.0	674.1	712.3	769.9	778.4	725.5	630.5
55°	428.1	449.9	483.4	518.4	577.6	618.1	644.5	693.6	691.2	625.1	543.3
57.5°	386.1	406.3	428.9	465.5	521.5	551.9	580.7	623.5	600.9	544.9	463.9
60°	348.7	360.4	383.0	418.0	465.5	492.0	514.5	537.9	518.4	457.7	395.4
62.5°	307.5	320.7	337.1	365.1	407.1	432.0	448.4	458.5	438.3	391.5	334.7
65°	268.6	280.2	297.4	322.3	354.2	372.9	381.4	388.4	377.5	324.6	279.5
67.5°	233.5	241.3	256.9	273.2	307.5	312.1	323.8	326.9	305.1	264.7	228.9
70°	198.5	206.3	213.3	232.7	248.3	256.9	259.2	259.2	237.4	211.0	181.4
72.5°	165.8	170.5	177.5	190.7	199.3	205.5	208.6	204.7	184.5	162.7	140.9
75°	134.7	137.0	143.2	151.8	158.8	156.5	155.7	151.0	136.2	120.7	108.2
77.5°	103.5	105.1	112.1	114.4	114.4	116.8	113.7	109.0	96.5	84.8	79.4
80°	77.8	80.2	81.0	82.5	81.0	81.0	78.6	70.8	64.6	59.2	55.3
82.5°	53.7	55.3	56.0	53.7	55.3	52.9	49.0	43.6	39.7	38.9	37.4
85°	31.9	32.7	31.9	31.9	29.6	28.8	25.7	24.9	23.4	23.4	22.6
87.5°	15.6	14.8	13.2	11.7	11.7	10.9	11.7	10.1	11.7	10.9	10.1
90°	1.4	2.5	3.6	4.7	5.8	6.4	6.8	7.6	8.5	9.3	10.1
92.5°	12.0	13.3	14.6	15.9	17.2	17.9	18.2	18.7	19.2	19.7	20.2
95°	27.6	28.5	29.4	30.3	31.2	31.7	32.1	32.8	33.5	34.3	35.0
97.5°	44.2	45.0	45.8	46.7	47.5	47.9	48.3	49.1	49.9	50.7	51.5
100°	64.4	64.8	65.2	65.7	66.1	66.3	66.8	67.7	68.6	69.5	70.4
102.5°	85.6	85.7	85.8	85.9	86.0	86.0	86.4	87.2	88.1	88.9	89.7
105°	107.2	107.3	107.4	107.5	107.6	107.7	107.9	108.3	108.7	109.1	109.5
107.5°	129.8	129.9	130.0	130.1	130.2	130.2	130.3	130.4	130.5	130.6	130.7
110°	152.8	153.0	153.2	153.4	153.6	153.7	153.6	153.5	153.4	153.3	153.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.7	176.7	176.7	176.7	176.7	176.7	176.6	176.4	176.2	176.0	175.8
115°	200.6	200.6	200.6	200.6	200.6	200.6	200.5	200.3	200.1	199.9	199.7
117.5°	223.2	223.2	223.2	223.2	223.2	223.2	223.1	223.0	222.9	222.8	222.7
120°	245.7	246.1	246.5	246.9	247.3	247.5	247.4	247.1	246.8	246.5	246.2
122.5°	269.2	269.3	269.4	269.5	269.6	269.6	269.6	269.5	269.4	269.3	269.2
125°	292.2	292.2	292.2	292.2	292.2	292.2	292.1	292.0	291.9	291.8	291.7
127.5°	312.9	313.2	313.5	313.8	314.1	314.3	314.2	314.0	313.7	313.5	313.3
130°	335.0	335.3	335.6	335.9	336.2	336.3	336.3	336.3	336.3	336.3	336.3
132.5°	357.5	357.7	357.9	358.1	358.3	358.4	358.4	358.3	358.2	358.1	358.0
135°	376.8	377.4	378.0	378.7	379.3	379.6	379.6	379.6	379.6	379.6	379.6
137.5°	398.5	398.8	399.1	399.4	399.7	399.8	399.9	400.1	400.4	400.6	400.8
140°	420.1	420.3	420.5	420.7	420.9	421.0	421.0	421.0	421.0	421.0	421.0
142.5°	439.9	440.1	440.3	440.5	440.7	440.8	440.7	440.6	440.5	440.4	440.3
145°	457.8	458.2	458.6	459.1	459.5	459.7	459.7	459.8	459.9	460.0	460.1
147.5°	476.2	476.7	477.2	477.7	478.2	478.5	478.5	478.4	478.3	478.2	478.1
150°	492.8	493.2	493.6	494.0	494.4	494.6	494.6	494.6	494.6	494.6	494.6
152.5°	508.4	508.6	508.8	509.1	509.3	509.4	509.4	509.5	509.6	509.7	509.8
155°	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.4	524.3	524.2	524.1
157.5°	538.3	538.1	537.9	537.7	537.5	537.4	537.4	537.4	537.4	537.4	537.4
160°	550.3	550.2	550.1	550.0	549.9	549.8	549.8	549.7	549.6	549.5	549.4
162.5°	561.3	561.0	560.7	560.4	560.1	560.0	559.9	559.8	559.7	559.6	559.5
165°	571.0	570.7	570.4	570.1	569.8	569.6	569.5	569.3	569.1	568.9	568.7
167.5°	578.8	578.4	578.0	577.6	577.2	577.0	577.0	577.0	577.0	577.0	577.0
170°	585.3	584.8	584.3	583.8	583.3	583.0	583.0	583.1	583.2	583.3	583.4
172.5°	589.9	589.5	589.1	588.6	588.2	588.0	588.0	588.0	588.0	588.0	588.0
175°	594.0	593.5	593.0	592.5	592.0	591.7	591.7	591.6	591.5	591.4	591.3
177.5°	595.9	595.4	594.9	594.4	593.9	593.6	593.6	593.6	593.6	593.6	593.6
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	1012.7	1021.3	1022.1	1029.9	1027.5	1023.6	1030.6	1026.0	1035.3	1032.2	1036.1
5°	1071.9	1083.6	1093.7	1099.9	1110.8	1108.5	1120.2	1116.3	1124.8	1116.3	1127.2
7.5°	1141.2	1160.6	1170.8	1187.1	1191.8	1192.5	1206.6	1209.7	1215.1	1209.7	1215.9
10°	1208.9	1232.2	1255.6	1268.8	1277.4	1289.1	1301.5	1307.0	1310.9	1305.4	1309.3
12.5°	1270.4	1307.0	1332.7	1359.1	1365.4	1375.5	1388.7	1387.2	1402.7	1399.6	1406.6
15°	1327.2	1367.7	1398.8	1419.8	1437.0	1445.5	1470.4	1472.0	1471.2	1479.0	1474.3
17.5°	1377.8	1412.1	1456.4	1483.7	1504.7	1504.7	1518.7	1547.5	1545.2	1544.4	1549.1
20°	1419.1	1458.0	1499.2	1545.2	1562.3	1565.4	1584.9	1599.7	1602.0	1602.0	1602.0
22.5°	1450.2	1496.1	1540.5	1573.2	1586.4	1597.3	1614.5	1623.8	1626.9	1625.4	1626.9
25°	1465.8	1509.4	1554.5	1584.1	1591.9	1598.1	1599.7	1605.1	1604.3	1595.0	1600.4
27.5°	1468.9	1510.9	1540.5	1548.3	1544.4	1540.5	1515.6	1517.9	1510.9	1496.9	1502.4
30°	1454.9	1477.5	1476.7	1452.5	1445.5	1429.2	1406.6	1373.1	1345.9	1334.2	1338.1
32.5°	1404.3	1404.3	1376.3	1321.8	1297.6	1268.1	1227.6	1197.2	1161.4	1153.6	1168.4
35°	1334.2	1294.5	1243.1	1171.5	1134.9	1113.1	1043.1	1021.3	990.9	982.4	989.4
37.5°	1225.2	1159.1	1084.3	1017.4	986.3	947.3	885.8	854.7	832.9	818.1	825.1
40°	1103.0	1022.9	945.0	862.5	828.2	796.3	750.4	722.4	687.3	688.9	691.2
42.5°	986.3	892.1	804.9	728.6	695.9	669.4	637.5	603.3	590.8	586.9	583.0
45°	862.5	762.1	680.3	623.5	593.9	569.0	539.4	520.0	505.2	502.1	506.0
47.5°	745.7	660.9	583.0	530.1	506.0	493.5	470.2	452.3	442.9	435.1	439.8
50°	639.9	560.5	498.2	453.8	436.7	428.1	406.3	397.0	387.7	385.3	384.5
52.5°	552.7	485.0	431.2	395.4	382.2	377.5	361.2	348.0	340.2	342.5	344.1
55°	473.3	415.7	373.6	344.8	333.9	328.5	316.8	307.5	302.0	299.7	301.3
57.5°	403.2	353.4	323.0	299.7	291.1	288.8	276.3	273.2	269.3	267.0	267.0
60°	339.4	304.4	276.3	263.1	253.8	251.4	242.1	238.2	237.4	235.1	233.5
62.5°	285.7	256.9	237.4	223.4	219.5	218.7	212.5	207.8	205.5	203.9	203.9
65°	239.0	218.0	201.6	191.5	188.4	186.8	179.8	178.3	176.7	175.1	174.4
67.5°	199.3	180.6	168.9	161.9	158.0	158.8	154.9	151.8	151.8	151.0	150.2
70°	161.1	149.5	139.3	135.4	133.9	132.3	130.8	128.4	127.7	127.7	127.7
72.5°	126.9	119.1	113.7	111.3	109.8	108.2	106.6	106.6	106.6	105.9	105.9
75°	97.3	94.2	90.3	88.0	88.0	89.5	87.2	84.8	82.5	81.0	81.7
77.5°	73.2	71.6	69.3	65.4	66.2	64.6	64.6	63.1	63.8	63.8	62.3
80°	53.7	51.4	50.6	48.3	49.0	48.3	47.5	47.5	45.9	45.9	45.9
82.5°	37.4	35.0	35.0	34.3	33.5	33.5	32.7	32.7	33.5	31.9	31.9
85°	22.6	21.8	21.8	20.2	20.2	20.2	20.2	21.0	20.2	19.5	19.5
87.5°	10.1	10.9	10.1	9.3	9.3	9.3	8.6	8.6	7.8	8.6	8.6
90°	10.7	11.3	12.0	12.6	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	20.5	20.8	21.1	21.4	21.6	21.7	21.8	21.9	22.0	22.1	22.0
95°	35.3	35.6	35.9	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3
97.5°	51.9	52.3	52.8	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
100°	70.6	70.8	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
102.5°	90.0	90.3	90.6	90.9	91.1	91.2	91.3	91.4	91.5	91.6	91.5
105°	109.8	110.1	110.4	110.7	110.9	111.1	111.4	111.7	112.0	112.3	112.0
107.5°	131.1	131.5	131.9	132.3	132.5	132.5	132.4	132.3	132.2	132.1	132.2
110°	153.0	152.8	152.6	152.4	152.3	152.5	152.8	153.1	153.4	153.7	153.4

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8
115°	199.6	199.5	199.4	199.3	199.2	199.2	199.1	199.0	198.9	198.8	198.9
117.5°	222.4	222.1	221.8	221.5	221.3	221.1	220.8	220.5	220.2	219.9	220.2
120°	245.7	245.2	244.7	244.2	243.9	244.0	244.2	244.4	244.6	244.8	244.6
122.5°	268.9	268.6	268.3	268.0	267.8	267.5	267.0	266.5	266.0	265.5	266.0
125°	291.5	291.3	291.1	290.9	290.8	290.7	290.5	290.3	290.1	289.9	290.1
127.5°	313.1	312.9	312.7	312.5	312.4	312.4	312.3	312.2	312.1	312.0	312.1
130°	336.1	335.9	335.7	335.5	335.4	335.2	334.8	334.4	334.0	333.6	334.0
132.5°	357.8	357.6	357.4	357.2	357.1	357.0	356.9	356.8	356.7	356.6	356.7
135°	379.4	379.2	379.0	378.8	378.7	378.5	378.2	377.9	377.6	377.3	377.6
137.5°	400.5	400.2	399.9	399.6	399.4	399.4	399.5	399.6	399.7	399.8	399.7
140°	420.9	420.8	420.7	420.6	420.6	420.5	420.4	420.3	420.2	420.1	420.2
142.5°	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3
145°	460.0	459.9	459.8	459.7	459.7	459.5	459.2	458.9	458.6	458.3	458.6
147.5°	478.0	477.9	477.8	477.7	477.6	477.5	477.4	477.3	477.2	477.1	477.2
150°	494.6	494.6	494.6	494.6	494.6	494.6	494.5	494.4	494.3	494.2	494.3
152.5°	510.1	510.4	510.7	511.0	511.2	511.0	510.7	510.4	510.1	509.8	510.1
155°	524.5	524.9	525.3	525.7	525.9	525.7	525.3	524.9	524.5	524.1	524.5
157.5°	537.7	538.0	538.3	538.6	538.8	538.6	538.3	538.0	537.7	537.4	537.7
160°	549.7	550.0	550.3	550.6	550.8	550.5	550.0	549.5	549.0	548.5	549.0
162.5°	560.1	560.7	561.4	562.0	562.3	562.0	561.5	561.0	560.5	560.0	560.5
165°	569.3	569.9	570.6	571.2	571.5	571.3	570.9	570.4	570.0	569.6	570.0
167.5°	577.6	578.2	578.9	579.5	579.8	579.5	578.9	578.2	577.6	577.0	577.6
170°	584.0	584.6	585.3	585.9	586.2	585.8	585.1	584.4	583.7	583.0	583.7
172.5°	588.7	589.5	590.2	590.9	591.3	590.9	590.2	589.5	588.7	588.0	588.7
175°	592.0	592.7	593.4	594.1	594.5	594.1	593.4	592.7	592.0	591.3	592.0
177.5°	594.3	595.0	595.7	596.4	596.8	596.4	595.6	594.7	593.9	593.1	593.9
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	1038.4	1033.0	1032.2	1032.2	1023.6	1028.3	1019.0	1008.8	1004.2	1004.2	995.6
5°	1124.8	1119.4	1113.9	1105.4	1105.4	1100.7	1085.9	1071.1	1060.2	1050.9	1040.8
7.5°	1213.6	1208.1	1192.5	1184.0	1188.7	1179.3	1159.9	1134.9	1116.3	1101.5	1080.5
10°	1310.1	1295.3	1287.5	1282.8	1266.5	1256.4	1233.8	1197.2	1173.9	1154.4	1127.2
12.5°	1388.7	1393.4	1363.8	1366.1	1349.8	1335.8	1300.7	1265.7	1230.7	1203.4	1163.0
15°	1473.6	1459.5	1441.6	1427.6	1422.2	1405.1	1375.5	1328.8	1290.6	1247.8	1201.9
17.5°	1540.5	1529.6	1512.5	1499.2	1487.6	1446.3	1421.4	1380.1	1328.0	1286.0	1229.9
20°	1597.3	1587.2	1563.1	1554.5	1533.5	1503.9	1468.1	1404.3	1357.6	1311.6	1257.2
22.5°	1621.5	1611.3	1590.3	1579.4	1566.2	1537.4	1503.1	1442.4	1384.8	1327.2	1269.6
25°	1601.2	1601.2	1591.1	1587.2	1575.5	1549.8	1514.8	1463.4	1401.9	1339.7	1271.2
27.5°	1503.1	1522.6	1529.6	1533.5	1533.5	1534.3	1510.1	1460.3	1400.4	1339.7	1268.1
30°	1361.5	1394.2	1423.0	1431.5	1446.3	1462.7	1472.8	1448.6	1394.9	1331.1	1259.5
32.5°	1183.2	1225.2	1279.0	1292.2	1312.4	1361.5	1388.7	1398.8	1369.3	1313.2	1236.9
35°	1005.7	1058.7	1091.4	1131.8	1150.5	1222.9	1283.6	1320.2	1313.2	1279.7	1210.5
37.5°	850.8	881.2	920.9	963.7	1001.1	1070.3	1145.8	1216.7	1245.5	1229.1	1177.0
40°	702.1	737.9	785.4	820.5	846.1	915.4	1008.8	1085.9	1149.0	1159.1	1127.2
42.5°	597.1	632.9	661.7	699.8	720.0	787.0	869.5	966.0	1040.8	1080.5	1066.4
45°	516.1	537.9	561.2	583.0	608.0	667.1	743.4	849.3	933.3	989.4	994.8
47.5°	445.3	464.7	485.0	505.2	519.2	565.1	635.2	721.6	813.5	890.5	920.9
50°	395.4	404.8	419.6	431.2	447.6	487.3	543.3	618.1	715.4	798.7	838.4
52.5°	346.4	358.1	369.8	379.9	390.8	418.8	470.2	534.8	618.8	704.5	753.5
55°	305.1	314.5	325.4	332.4	338.6	363.5	402.4	452.3	524.7	605.6	666.3
57.5°	271.7	275.6	284.9	288.8	295.8	316.0	344.1	388.4	446.8	525.4	575.3
60°	235.1	242.9	249.9	253.0	258.4	272.4	291.9	333.2	383.8	441.4	498.2
62.5°	205.5	208.6	214.1	218.0	221.9	236.6	253.0	284.1	322.3	370.5	422.7
65°	178.3	179.8	182.9	188.4	190.7	201.6	211.0	233.5	269.3	305.9	358.1
67.5°	150.2	151.8	155.7	158.8	161.1	168.1	178.3	194.6	214.1	254.5	283.3
70°	128.4	128.4	130.8	132.3	134.7	137.8	143.2	155.7	173.6	199.3	225.7
72.5°	107.4	107.4	107.4	109.8	109.8	112.1	115.2	123.8	136.2	156.5	173.6
75°	83.3	84.1	85.6	85.6	86.4	89.5	91.9	94.2	100.4	113.7	129.2
77.5°	63.1	64.6	65.4	63.8	65.4	65.4	68.5	71.6	74.7	78.6	90.3
80°	46.7	47.5	45.9	46.7	46.7	48.3	49.8	49.0	50.6	55.3	58.4
82.5°	31.1	31.9	31.9	31.9	31.9	34.3	34.3	33.5	34.3	35.0	35.8
85°	19.5	18.7	18.7	19.5	18.7	18.7	19.5	20.2	19.5	20.2	21.0
87.5°	8.6	8.6	8.6	8.6	7.8	7.8	8.6	7.8	8.6	7.8	7.0
90°	13.4	13.2	13.0	12.9	12.6	12.0	11.3	10.7	10.1	9.3	8.5
92.5°	21.9	21.8	21.7	21.6	21.4	21.1	20.8	20.5	20.2	19.7	19.2
95°	36.3	36.3	36.3	36.3	36.2	35.9	35.6	35.3	35.0	34.3	33.5
97.5°	53.4	53.4	53.4	53.4	53.2	52.8	52.3	51.9	51.5	50.7	49.9
100°	71.3	71.3	71.3	71.3	71.2	71.0	70.8	70.6	70.4	69.5	68.6
102.5°	91.4	91.3	91.2	91.1	90.9	90.6	90.3	90.0	89.7	88.9	88.1
105°	111.7	111.4	111.1	110.9	110.7	110.4	110.1	109.8	109.5	109.1	108.7
107.5°	132.3	132.4	132.5	132.5	132.3	131.9	131.5	131.1	130.7	130.6	130.5
110°	153.1	152.8	152.5	152.3	152.4	152.6	152.8	153.0	153.2	153.3	153.4



TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	176.0	176.2
115°	199.0	199.1	199.2	199.2	199.3	199.4	199.5	199.6	199.7	199.9	200.1
117.5°	220.5	220.8	221.1	221.3	221.5	221.8	222.1	222.4	222.7	222.8	222.9
120°	244.4	244.2	244.0	243.9	244.2	244.7	245.2	245.7	246.2	246.5	246.8
122.5°	266.5	267.0	267.5	267.8	268.0	268.3	268.6	268.9	269.2	269.3	269.4
125°	290.3	290.5	290.7	290.8	290.9	291.1	291.3	291.5	291.7	291.8	291.9
127.5°	312.2	312.3	312.4	312.4	312.5	312.7	312.9	313.1	313.3	313.5	313.7
130°	334.4	334.8	335.2	335.4	335.5	335.7	335.9	336.1	336.3	336.3	336.3
132.5°	356.8	356.9	357.0	357.1	357.2	357.4	357.6	357.8	358.0	358.1	358.2
135°	377.9	378.2	378.5	378.7	378.8	379.0	379.2	379.4	379.6	379.6	379.6
137.5°	399.6	399.5	399.4	399.4	399.6	399.9	400.2	400.5	400.8	400.6	400.4
140°	420.3	420.4	420.5	420.6	420.6	420.7	420.8	420.9	421.0	421.0	421.0
142.5°	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.4	440.5
145°	458.9	459.2	459.5	459.7	459.7	459.8	459.9	460.0	460.1	460.0	459.9
147.5°	477.3	477.4	477.5	477.6	477.7	477.8	477.9	478.0	478.1	478.2	478.3
150°	494.4	494.5	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6
152.5°	510.4	510.7	511.0	511.2	511.0	510.7	510.4	510.1	509.8	509.7	509.6
155°	524.9	525.3	525.7	525.9	525.7	525.3	524.9	524.5	524.1	524.2	524.3
157.5°	538.0	538.3	538.6	538.8	538.6	538.3	538.0	537.7	537.4	537.4	537.4
160°	549.5	550.0	550.5	550.8	550.6	550.3	550.0	549.7	549.4	549.5	549.6
162.5°	561.0	561.5	562.0	562.3	562.0	561.4	560.7	560.1	559.5	559.6	559.7
165°	570.4	570.9	571.3	571.5	571.2	570.6	569.9	569.3	568.7	568.9	569.1
167.5°	578.2	578.9	579.5	579.8	579.5	578.9	578.2	577.6	577.0	577.0	577.0
170°	584.4	585.1	585.8	586.2	585.9	585.3	584.6	584.0	583.4	583.3	583.2
172.5°	589.5	590.2	590.9	591.3	590.9	590.2	589.5	588.7	588.0	588.0	588.0
175°	592.7	593.4	594.1	594.5	594.1	593.4	592.7	592.0	591.3	591.4	591.5
177.5°	594.7	595.6	596.4	596.8	596.4	595.7	595.0	594.3	593.6	593.6	593.6
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	990.9	987.0	984.7	983.9	976.9	973.0	970.7	969.1	966.8	960.6	955.1
5°	1028.3	1017.4	1012.0	1005.7	994.8	982.4	972.3	966.0	958.2	945.8	934.1
7.5°	1063.3	1047.0	1036.1	1027.5	1008.8	988.6	972.3	959.0	944.2	927.1	910.8
10°	1099.9	1073.4	1059.4	1046.2	1019.0	992.5	969.1	949.7	928.7	906.1	888.2
12.5°	1128.7	1093.7	1078.1	1059.4	1026.0	994.8	965.2	938.8	911.5	887.4	861.7
15°	1162.2	1118.6	1100.7	1076.6	1030.6	990.2	952.0	923.2	895.2	859.4	832.1
17.5°	1181.6	1131.1	1105.4	1084.3	1034.5	985.5	941.1	905.3	872.6	836.8	808.0
20°	1201.1	1143.5	1114.7	1085.1	1026.0	973.8	927.1	884.3	850.0	811.1	781.5
22.5°	1207.3	1140.4	1110.0	1082.8	1020.5	962.1	908.4	864.8	825.1	786.2	752.7
25°	1207.3	1139.6	1103.8	1068.8	1003.4	943.5	889.7	842.3	797.9	759.0	725.5
27.5°	1194.9	1124.0	1086.7	1054.8	987.0	922.4	867.2	815.0	772.2	733.3	695.1
30°	1179.3	1101.5	1064.1	1026.0	960.6	899.1	839.1	790.9	745.7	701.4	667.1
32.5°	1159.9	1077.3	1036.1	997.2	927.9	864.1	808.8	761.3	718.5	672.6	634.4
35°	1131.8	1041.5	995.6	961.4	894.4	828.2	775.3	728.6	687.3	639.9	598.6
37.5°	1096.0	1008.8	962.1	920.1	850.8	790.1	740.3	695.1	654.7	611.1	565.1
40°	1054.0	962.9	922.4	878.1	804.9	747.3	700.6	660.1	619.6	578.4	534.0
42.5°	1006.5	916.2	871.1	828.2	758.2	701.4	657.8	621.2	583.8	545.7	498.2
45°	949.7	864.8	821.2	780.8	713.0	654.7	615.0	579.9	548.0	509.1	467.1
47.5°	885.8	811.9	767.5	723.9	657.8	607.2	568.3	538.7	511.4	472.5	434.4
50°	823.6	750.4	714.6	670.2	609.5	562.0	522.3	497.4	476.4	438.3	404.0
52.5°	745.0	689.7	655.4	617.3	558.9	510.6	479.5	457.7	432.8	403.2	372.9
55°	675.7	624.3	597.1	561.2	503.6	460.8	434.4	414.1	394.7	368.2	344.1
57.5°	597.1	565.1	537.9	506.8	449.9	413.3	390.0	372.9	355.0	333.2	313.7
60°	514.5	499.7	473.3	448.4	400.1	368.2	348.7	333.2	316.0	298.1	281.8
62.5°	441.4	432.8	417.2	397.8	352.6	325.4	305.9	294.2	281.8	265.4	249.9
65°	372.1	368.2	353.4	339.4	308.3	284.1	267.0	260.0	246.0	233.5	219.5
67.5°	310.6	305.9	297.4	291.1	264.7	242.1	233.5	224.2	212.5	203.2	191.5
70°	248.3	247.5	242.1	234.3	220.3	203.9	195.4	189.2	177.5	170.5	161.9
72.5°	193.0	196.9	192.3	189.2	179.8	168.1	160.4	156.5	147.1	141.7	135.4
75°	144.0	147.1	149.5	144.0	141.7	136.2	129.2	125.3	120.7	112.9	110.5
77.5°	98.1	105.1	105.1	106.6	107.4	104.3	98.9	95.7	90.3	88.7	85.6
80°	64.6	70.8	71.6	73.2	75.5	75.5	71.6	70.8	65.4	64.6	62.3
82.5°	37.4	42.8	45.9	48.3	47.5	50.6	47.5	46.7	43.6	43.6	42.0
85°	20.2	21.0	22.6	24.1	25.7	27.2	27.2	26.5	25.7	24.9	23.4
87.5°	7.8	7.8	8.6	7.8	8.6	10.1	10.9	10.9	10.1	9.3	7.8
90°	7.6	6.8	6.4	5.8	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	18.7	18.2	17.9	17.2	15.9	14.6	13.3	12.0	13.3	14.6	15.9
95°	32.8	32.1	31.7	31.2	30.3	29.4	28.5	27.6	28.5	29.4	30.3
97.5°	49.1	48.3	47.9	47.5	46.7	45.8	45.0	44.2	45.0	45.8	46.7
100°	67.7	66.8	66.3	66.1	65.7	65.2	64.8	64.4	64.8	65.2	65.7
102.5°	87.2	86.4	86.0	86.0	85.9	85.8	85.7	85.6	85.7	85.8	85.9
105°	108.3	107.9	107.7	107.6	107.5	107.4	107.3	107.2	107.3	107.4	107.5
107.5°	130.4	130.3	130.2	130.2	130.1	130.0	129.9	129.8	129.9	130.0	130.1
110°	153.5	153.6	153.7	153.6	153.4	153.2	153.0	152.8	153.0	153.2	153.4

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	176.4	176.6	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
115°	200.3	200.5	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6
117.5°	223.0	223.1	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2
120°	247.1	247.4	247.5	247.3	246.9	246.5	246.1	245.7	246.1	246.5	246.9
122.5°	269.5	269.6	269.6	269.6	269.5	269.4	269.3	269.2	269.3	269.4	269.5
125°	292.0	292.1	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2
127.5°	314.0	314.2	314.3	314.1	313.8	313.5	313.2	312.9	313.2	313.5	313.8
130°	336.3	336.3	336.3	336.2	335.9	335.6	335.3	335.0	335.3	335.6	335.9
132.5°	358.3	358.4	358.4	358.3	358.1	357.9	357.7	357.5	357.7	357.9	358.1
135°	379.6	379.6	379.6	379.3	378.7	378.0	377.4	376.8	377.4	378.0	378.7
137.5°	400.1	399.9	399.8	399.7	399.4	399.1	398.8	398.5	398.8	399.1	399.4
140°	421.0	421.0	421.0	420.9	420.7	420.5	420.3	420.1	420.3	420.5	420.7
142.5°	440.6	440.7	440.8	440.7	440.5	440.3	440.1	439.9	440.1	440.3	440.5
145°	459.8	459.7	459.7	459.5	459.1	458.6	458.2	457.8	458.2	458.6	459.1
147.5°	478.4	478.5	478.5	478.2	477.7	477.2	476.7	476.2	476.7	477.2	477.7
150°	494.6	494.6	494.6	494.4	494.0	493.6	493.2	492.8	493.2	493.6	494.0
152.5°	509.5	509.4	509.4	509.3	509.1	508.8	508.6	508.4	508.6	508.8	509.1
155°	524.4	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5
157.5°	537.4	537.4	537.4	537.5	537.7	537.9	538.1	538.3	538.1	537.9	537.7
160°	549.7	549.8	549.8	549.9	550.0	550.1	550.2	550.3	550.2	550.1	550.0
162.5°	559.8	559.9	560.0	560.1	560.4	560.7	561.0	561.3	561.0	560.7	560.4
165°	569.3	569.5	569.6	569.8	570.1	570.4	570.7	571.0	570.7	570.4	570.1
167.5°	577.0	577.0	577.0	577.2	577.6	578.0	578.4	578.8	578.4	578.0	577.6
170°	583.1	583.0	583.0	583.3	583.8	584.3	584.8	585.3	584.8	584.3	583.8
172.5°	588.0	588.0	588.0	588.2	588.6	589.1	589.5	589.9	589.5	589.1	588.6
175°	591.6	591.7	591.7	592.0	592.5	593.0	593.5	594.0	593.5	593.0	592.5
177.5°	593.6	593.6	593.6	593.9	594.4	594.9	595.4	595.9	595.4	594.9	594.4
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	950.5	948.9	947.3	941.1	935.7	926.3	918.5	915.4	914.6	915.4	913.1
5°	923.2	922.4	917.0	906.1	896.0	885.1	877.3	869.5	864.8	864.8	859.4
7.5°	897.5	892.1	887.4	873.4	861.7	846.9	835.3	828.2	824.4	815.8	815.8
10°	870.3	862.5	856.3	843.0	825.9	811.1	796.3	787.8	780.8	774.5	772.2
12.5°	843.0	836.8	825.1	811.1	794.0	775.3	759.7	753.5	737.2	723.9	724.7
15°	817.3	803.3	797.9	777.6	757.4	739.5	716.9	699.0	685.8	677.2	666.3
17.5°	788.5	774.5	764.4	747.3	720.8	692.8	671.0	646.9	633.6	618.8	611.8
20°	756.6	745.0	737.2	709.9	678.0	644.5	620.4	605.6	590.8	579.9	573.7
22.5°	729.4	714.6	705.3	668.7	633.6	600.2	581.5	569.0	556.6	547.2	544.1
25°	694.4	685.8	663.2	631.3	588.5	565.9	549.6	533.2	526.2	520.0	513.0
27.5°	665.6	644.5	629.0	586.9	560.5	534.8	518.4	506.0	497.4	491.2	485.7
30°	629.7	610.3	588.5	553.5	529.3	505.2	490.4	480.3	470.9	467.1	462.4
32.5°	592.4	574.5	553.5	525.4	495.9	477.2	465.5	454.6	448.4	444.5	439.0
35°	558.9	536.3	522.3	495.9	471.7	450.7	439.8	430.5	423.5	421.9	421.1
37.5°	523.1	506.0	492.7	465.5	445.3	427.4	417.2	407.1	403.2	402.4	399.3
40°	492.0	477.2	464.7	439.0	417.2	400.9	393.1	386.9	383.0	383.0	382.2
42.5°	464.7	449.2	436.7	413.3	393.9	379.1	370.5	364.3	362.7	363.5	362.7
45°	434.4	421.1	408.7	384.5	368.2	357.3	348.0	344.8	342.5	343.3	344.1
47.5°	405.6	394.7	382.2	362.7	344.1	332.4	326.9	323.8	323.8	323.8	325.4
50°	379.9	367.4	356.5	336.3	319.2	309.8	305.1	301.3	302.0	302.8	303.6
52.5°	349.5	338.6	330.8	310.6	298.1	286.5	281.0	281.8	281.0	281.0	282.6
55°	323.0	312.1	304.4	285.7	273.2	265.4	260.8	258.4	259.2	257.7	260.8
57.5°	293.5	284.1	278.7	260.8	249.9	242.9	239.0	235.1	236.6	235.9	235.1
60°	267.8	256.9	248.3	235.9	226.5	218.0	215.6	211.7	213.3	211.7	211.0
62.5°	238.2	229.6	223.4	211.0	203.2	196.2	190.7	188.4	187.6	185.3	182.9
65°	208.6	203.9	197.7	185.3	177.5	172.0	168.9	166.6	165.8	159.6	152.6
67.5°	181.4	178.3	172.0	162.7	155.7	150.2	145.6	141.7	137.0	132.3	128.4
70°	155.7	151.0	147.1	138.6	132.3	126.9	122.2	117.5	115.2	110.5	109.0
72.5°	130.8	126.1	122.2	114.4	109.0	103.5	102.0	96.5	94.2	93.4	93.4
75°	105.1	101.2	98.9	91.9	87.2	83.3	81.0	79.4	77.8	76.3	74.0
77.5°	80.2	77.8	76.3	71.6	67.7	65.4	64.6	59.2	57.6	56.0	54.5
80°	58.4	57.6	56.0	52.2	50.6	45.1	45.1	43.6	42.8	42.8	42.8
82.5°	39.7	38.1	37.4	33.5	32.7	31.9	31.1	30.4	31.1	30.4	31.1
85°	21.0	20.2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	18.7	19.5
87.5°	7.8	7.8	7.8	7.8	7.0	7.8	7.8	7.0	7.8	7.8	7.8
90°	5.8	6.4	6.8	7.6	8.5	9.3	10.1	10.7	11.3	12.0	12.6
92.5°	17.2	17.9	18.2	18.7	19.2	19.7	20.2	20.5	20.8	21.1	21.4
95°	31.2	31.7	32.1	32.8	33.5	34.3	35.0	35.3	35.6	35.9	36.2
97.5°	47.5	47.9	48.3	49.1	49.9	50.7	51.5	51.9	52.3	52.8	53.2
100°	66.1	66.3	66.8	67.7	68.6	69.5	70.4	70.6	70.8	71.0	71.2
102.5°	86.0	86.0	86.4	87.2	88.1	88.9	89.7	90.0	90.3	90.6	90.9
105°	107.6	107.7	107.9	108.3	108.7	109.1	109.5	109.8	110.1	110.4	110.7
107.5°	130.2	130.2	130.3	130.4	130.5	130.6	130.7	131.1	131.5	131.9	132.3
110°	153.6	153.7	153.6	153.5	153.4	153.3	153.2	153.0	152.8	152.6	152.4

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	176.7	176.7	176.6	176.4	176.2	176.0	175.8	175.8	175.8	175.8	175.8
115°	200.6	200.6	200.5	200.3	200.1	199.9	199.7	199.6	199.5	199.4	199.3
117.5°	223.2	223.2	223.1	223.0	222.9	222.8	222.7	222.4	222.1	221.8	221.5
120°	247.3	247.5	247.4	247.1	246.8	246.5	246.2	245.7	245.2	244.7	244.2
122.5°	269.6	269.6	269.6	269.5	269.4	269.3	269.2	268.9	268.6	268.3	268.0
125°	292.2	292.2	292.1	292.0	291.9	291.8	291.7	291.5	291.3	291.1	290.9
127.5°	314.1	314.3	314.2	314.0	313.7	313.5	313.3	313.1	312.9	312.7	312.5
130°	336.2	336.3	336.3	336.3	336.3	336.3	336.3	336.1	335.9	335.7	335.5
132.5°	358.3	358.4	358.4	358.3	358.2	358.1	358.0	357.8	357.6	357.4	357.2
135°	379.3	379.6	379.6	379.6	379.6	379.6	379.6	379.4	379.2	379.0	378.8
137.5°	399.7	399.8	399.9	400.1	400.4	400.6	400.8	400.5	400.2	399.9	399.6
140°	420.9	421.0	421.0	421.0	421.0	421.0	421.0	420.9	420.8	420.7	420.6
142.5°	440.7	440.8	440.7	440.6	440.5	440.4	440.3	440.3	440.3	440.3	440.3
145°	459.5	459.7	459.7	459.8	459.9	460.0	460.1	460.0	459.9	459.8	459.7
147.5°	478.2	478.5	478.5	478.4	478.3	478.2	478.1	478.0	477.9	477.8	477.7
150°	494.4	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6
152.5°	509.3	509.4	509.4	509.5	509.6	509.7	509.8	510.1	510.4	510.7	511.0
155°	524.5	524.5	524.5	524.4	524.3	524.2	524.1	524.5	524.9	525.3	525.7
157.5°	537.5	537.4	537.4	537.4	537.4	537.4	537.4	537.7	538.0	538.3	538.6
160°	549.9	549.8	549.8	549.7	549.6	549.5	549.4	549.7	550.0	550.3	550.6
162.5°	560.1	560.0	559.9	559.8	559.7	559.6	559.5	560.1	560.7	561.4	562.0
165°	569.8	569.6	569.5	569.3	569.1	568.9	568.7	569.3	569.9	570.6	571.2
167.5°	577.2	577.0	577.0	577.0	577.0	577.0	577.0	577.6	578.2	578.9	579.5
170°	583.3	583.0	583.0	583.1	583.2	583.3	583.4	584.0	584.6	585.3	585.9
172.5°	588.2	588.0	588.0	588.0	588.0	588.0	588.0	588.7	589.5	590.2	590.9
175°	592.0	591.7	591.7	591.6	591.5	591.4	591.3	592.0	592.7	593.4	594.1
177.5°	593.9	593.6	593.6	593.6	593.6	593.6	593.6	594.3	595.0	595.7	596.4
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	913.1	916.2	912.3	914.6	909.2	908.4	909.2	909.2	910.0	910.8	911.5
5°	861.7	860.9	856.3	853.2	850.8	853.2	854.7	856.3	854.7	856.3	857.0
7.5°	813.5	811.1	808.8	803.3	804.9	803.3	808.0	805.7	805.7	809.6	812.7
10°	770.6	766.0	764.4	758.2	753.5	752.7	758.2	760.5	762.9	764.4	770.6
12.5°	715.4	708.4	702.9	705.3	692.0	697.5	699.0	695.9	705.3	716.2	709.9
15°	656.2	657.0	646.1	642.2	631.3	634.4	635.2	643.0	650.8	650.0	659.3
17.5°	612.6	608.0	598.6	597.8	593.2	595.5	594.7	600.9	598.6	602.5	610.3
20°	572.1	569.0	561.2	558.1	559.7	558.1	558.9	559.7	562.0	570.6	569.0
22.5°	540.2	536.3	536.3	532.4	527.8	526.2	530.1	532.4	535.6	537.1	541.0
25°	512.2	509.1	505.2	502.9	499.0	499.7	502.1	505.2	507.5	510.6	513.8
27.5°	483.4	483.4	479.5	478.7	477.2	476.4	479.5	481.1	481.1	483.4	486.5
30°	460.8	460.8	456.9	456.2	455.4	455.4	457.7	458.5	459.3	461.6	463.2
32.5°	439.0	438.3	436.7	437.5	436.7	437.5	437.5	438.3	439.8	440.6	443.7
35°	418.8	419.6	418.0	418.0	417.2	418.0	419.6	420.3	421.1	422.7	422.7
37.5°	399.3	400.9	400.1	402.4	402.4	402.4	402.4	404.0	404.0	404.0	403.2
40°	382.2	382.2	381.4	383.0	384.5	384.5	385.3	385.3	386.1	386.1	385.3
42.5°	362.7	364.3	366.6	367.4	369.0	368.2	370.5	369.8	370.5	369.0	367.4
45°	344.8	344.8	348.0	351.1	351.8	351.8	351.8	353.4	351.8	349.5	348.7
47.5°	325.4	326.9	328.5	332.4	333.2	333.2	333.2	333.2	331.6	331.6	331.6
50°	305.9	306.7	307.5	309.0	311.4	310.6	310.6	310.6	313.7	310.6	311.4
52.5°	282.6	283.3	284.1	287.2	286.5	286.5	287.2	287.2	289.6	288.8	287.2
55°	259.2	259.2	260.8	260.8	260.8	262.3	263.1	264.7	263.9	264.7	265.4
57.5°	235.9	234.3	233.5	233.5	235.9	235.1	235.9	235.9	239.0	240.5	241.3
60°	208.6	208.6	207.8	203.2	203.2	202.4	204.7	206.3	207.8	214.8	214.1
62.5°	180.6	177.5	174.4	175.1	170.5	172.8	171.3	172.8	177.5	182.9	183.7
65°	152.6	150.2	147.1	146.3	144.8	147.1	146.3	147.1	149.5	152.6	156.5
67.5°	127.7	126.9	125.3	124.5	124.5	124.5	126.1	126.1	126.9	129.2	131.6
70°	109.0	108.2	109.0	107.4	108.2	107.4	108.2	109.0	109.8	110.5	112.9
72.5°	91.9	91.9	91.9	90.3	91.9	91.1	91.1	91.9	92.6	93.4	95.0
75°	73.2	71.6	70.1	68.5	67.7	69.3	70.1	69.3	71.6	74.7	74.7
77.5°	55.3	54.5	54.5	54.5	55.3	54.5	56.0	55.3	56.0	56.0	57.6
80°	42.8	42.0	42.8	42.8	42.0	43.6	42.8	42.8	43.6	44.4	43.6
82.5°	31.1	31.9	31.1	31.1	31.1	32.7	31.1	31.1	31.1	31.9	31.9
85°	19.5	19.5	19.5	19.5	20.2	19.5	20.2	19.5	21.0	20.2	20.2
87.5°	7.0	7.8	8.6	8.6	8.6	8.6	7.8	8.6	9.3	8.6	9.3
90°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	21.6	21.7	21.8	21.9	22.0	22.1	22.0	21.9	21.8	21.7	21.6
95°	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
97.5°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
100°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
102.5°	91.1	91.2	91.3	91.4	91.5	91.6	91.5	91.4	91.3	91.2	91.1
105°	110.9	111.1	111.4	111.7	112.0	112.3	112.0	111.7	111.4	111.1	110.9
107.5°	132.5	132.5	132.4	132.3	132.2	132.1	132.2	132.3	132.4	132.5	132.5
110°	152.3	152.5	152.8	153.1	153.4	153.7	153.4	153.1	152.8	152.5	152.3

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8
115°	199.2	199.2	199.1	199.0	198.9	198.8	198.9	199.0	199.1	199.2	199.2
117.5°	221.3	221.1	220.8	220.5	220.2	219.9	220.2	220.5	220.8	221.1	221.3
120°	243.9	244.0	244.2	244.4	244.6	244.8	244.6	244.4	244.2	244.0	243.9
122.5°	267.8	267.5	267.0	266.5	266.0	265.5	266.0	266.5	267.0	267.5	267.8
125°	290.8	290.7	290.5	290.3	290.1	289.9	290.1	290.3	290.5	290.7	290.8
127.5°	312.4	312.4	312.3	312.2	312.1	312.0	312.1	312.2	312.3	312.4	312.4
130°	335.4	335.2	334.8	334.4	334.0	333.6	334.0	334.4	334.8	335.2	335.4
132.5°	357.1	357.0	356.9	356.8	356.7	356.6	356.7	356.8	356.9	357.0	357.1
135°	378.7	378.5	378.2	377.9	377.6	377.3	377.6	377.9	378.2	378.5	378.7
137.5°	399.4	399.4	399.5	399.6	399.7	399.8	399.7	399.6	399.5	399.4	399.4
140°	420.6	420.5	420.4	420.3	420.2	420.1	420.2	420.3	420.4	420.5	420.6
142.5°	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3
145°	459.7	459.5	459.2	458.9	458.6	458.3	458.6	458.9	459.2	459.5	459.7
147.5°	477.6	477.5	477.4	477.3	477.2	477.1	477.2	477.3	477.4	477.5	477.6
150°	494.6	494.6	494.5	494.4	494.3	494.2	494.3	494.4	494.5	494.6	494.6
152.5°	511.2	511.0	510.7	510.4	510.1	509.8	510.1	510.4	510.7	511.0	511.2
155°	525.9	525.7	525.3	524.9	524.5	524.1	524.5	524.9	525.3	525.7	525.9
157.5°	538.8	538.6	538.3	538.0	537.7	537.4	537.7	538.0	538.3	538.6	538.8
160°	550.8	550.5	550.0	549.5	549.0	548.5	549.0	549.5	550.0	550.5	550.8
162.5°	562.3	562.0	561.5	561.0	560.5	560.0	560.5	561.0	561.5	562.0	562.3
165°	571.5	571.3	570.9	570.4	570.0	569.6	570.0	570.4	570.9	571.3	571.5
167.5°	579.8	579.5	578.9	578.2	577.6	577.0	577.6	578.2	578.9	579.5	579.8
170°	586.2	585.8	585.1	584.4	583.7	583.0	583.7	584.4	585.1	585.8	586.2
172.5°	591.3	590.9	590.2	589.5	588.7	588.0	588.7	589.5	590.2	590.9	591.3
175°	594.5	594.1	593.4	592.7	592.0	591.3	592.0	592.7	593.4	594.1	594.5
177.5°	596.8	596.4	595.6	594.7	593.9	593.1	593.9	594.7	595.6	596.4	596.8
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	914.6	918.5	917.0	911.5	913.9	918.5	923.2	929.4	933.3	936.4	938.0
5°	860.9	867.9	866.4	866.4	869.5	877.3	885.1	898.3	903.0	908.4	916.2
7.5°	813.5	818.9	823.6	825.1	829.8	839.9	850.0	864.8	876.5	882.7	887.4
10°	771.4	775.3	782.3	786.2	790.9	803.3	818.1	833.7	845.4	856.3	862.5
12.5°	717.7	733.3	742.6	748.8	755.1	773.8	785.4	802.6	816.6	826.7	836.0
15°	657.8	676.5	681.9	706.0	721.6	736.4	754.3	774.5	787.8	799.4	811.9
17.5°	607.2	620.4	626.6	652.3	665.6	688.9	714.6	740.3	760.5	769.1	781.5
20°	575.3	582.3	594.7	603.3	617.3	644.5	672.6	703.7	734.1	742.6	755.1
22.5°	542.6	551.9	560.5	572.1	583.0	601.7	629.7	664.0	696.7	712.3	727.0
25°	513.0	522.3	527.8	540.2	550.3	569.0	588.5	623.5	662.4	675.7	699.0
27.5°	489.6	495.1	504.4	509.9	521.5	538.7	556.6	583.0	621.2	643.8	666.3
30°	466.3	470.2	478.0	485.7	494.3	506.0	526.2	551.9	586.9	606.4	629.0
32.5°	442.9	449.2	453.8	459.3	468.6	482.6	496.6	521.5	549.6	571.4	593.9
35°	423.5	425.8	432.0	438.3	444.5	456.9	471.7	495.9	520.8	537.9	558.1
37.5°	402.4	406.3	411.0	413.3	423.5	431.2	446.8	465.5	495.1	506.0	526.2
40°	386.1	385.3	390.0	393.9	398.6	411.0	420.3	440.6	463.9	481.1	493.5
42.5°	365.9	365.9	367.4	372.1	378.3	386.1	397.0	414.1	438.3	450.7	465.5
45°	349.5	347.2	348.0	351.1	355.0	362.7	373.6	388.4	412.6	422.7	438.3
47.5°	330.1	327.7	327.7	330.8	333.9	339.4	348.0	365.1	384.5	397.8	409.5
50°	308.3	309.0	308.3	310.6	312.1	317.6	326.9	341.0	358.9	369.8	383.0
52.5°	288.0	286.5	285.7	287.2	290.4	294.2	304.4	316.8	333.9	344.8	356.5
55°	263.1	264.7	264.7	264.7	269.3	270.9	278.7	291.1	308.3	316.8	327.7
57.5°	240.5	239.8	241.3	240.5	244.4	249.9	256.1	265.4	282.6	291.1	301.3
60°	215.6	216.4	217.2	217.2	220.3	225.7	232.7	241.3	255.3	263.9	273.2
62.5°	185.3	189.2	193.0	194.6	199.3	203.2	207.8	217.2	229.6	235.9	244.4
65°	156.5	161.9	167.4	171.3	174.4	178.3	184.5	193.0	203.2	209.4	218.0
67.5°	131.6	135.4	142.5	146.3	152.6	157.2	161.1	168.1	180.6	182.9	189.9
70°	113.7	115.2	118.3	121.4	128.4	132.3	137.0	144.0	153.3	158.8	162.7
72.5°	95.7	96.5	98.1	101.2	104.3	109.0	114.4	120.7	129.2	131.6	137.0
75°	76.3	81.0	81.0	83.3	85.6	88.0	92.6	98.9	104.3	108.2	111.3
77.5°	56.8	59.2	60.7	64.6	67.7	70.1	73.2	77.8	81.0	84.1	86.4
80°	44.4	45.1	45.9	45.9	47.5	50.6	53.7	56.8	60.7	62.3	64.6
82.5°	32.7	32.7	32.7	34.3	35.0	35.8	35.8	37.4	41.3	42.8	45.1
85°	21.0	21.0	21.0	21.0	21.8	22.6	23.4	24.1	24.1	24.1	25.7
87.5°	8.6	10.1	9.3	10.1	10.1	10.1	10.1	10.9	10.9	11.7	11.7
90°	12.6	12.0	11.3	10.7	10.1	9.3	8.5	7.6	6.8	6.4	5.8
92.5°	21.4	21.1	20.8	20.5	20.2	19.7	19.2	18.7	18.2	17.9	17.2
95°	36.2	35.9	35.6	35.3	35.0	34.3	33.5	32.8	32.1	31.7	31.2
97.5°	53.2	52.8	52.3	51.9	51.5	50.7	49.9	49.1	48.3	47.9	47.5
100°	71.2	71.0	70.8	70.6	70.4	69.5	68.6	67.7	66.8	66.3	66.1
102.5°	90.9	90.6	90.3	90.0	89.7	88.9	88.1	87.2	86.4	86.0	86.0
105°	110.7	110.4	110.1	109.8	109.5	109.1	108.7	108.3	107.9	107.7	107.6
107.5°	132.3	131.9	131.5	131.1	130.7	130.6	130.5	130.4	130.3	130.2	130.2
110°	152.4	152.6	152.8	153.0	153.2	153.3	153.4	153.5	153.6	153.7	153.6



TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.8	175.8	175.8	175.8	175.8	176.0	176.2	176.4	176.6	176.7	176.7
115°	199.3	199.4	199.5	199.6	199.7	199.9	200.1	200.3	200.5	200.6	200.6
117.5°	221.5	221.8	222.1	222.4	222.7	222.8	222.9	223.0	223.1	223.2	223.2
120°	244.2	244.7	245.2	245.7	246.2	246.5	246.8	247.1	247.4	247.5	247.3
122.5°	268.0	268.3	268.6	268.9	269.2	269.3	269.4	269.5	269.6	269.6	269.6
125°	290.9	291.1	291.3	291.5	291.7	291.8	291.9	292.0	292.1	292.2	292.2
127.5°	312.5	312.7	312.9	313.1	313.3	313.5	313.7	314.0	314.2	314.3	314.1
130°	335.5	335.7	335.9	336.1	336.3	336.3	336.3	336.3	336.3	336.3	336.2
132.5°	357.2	357.4	357.6	357.8	358.0	358.1	358.2	358.3	358.4	358.4	358.3
135°	378.8	379.0	379.2	379.4	379.6	379.6	379.6	379.6	379.6	379.6	379.3
137.5°	399.6	399.9	400.2	400.5	400.8	400.6	400.4	400.1	399.9	399.8	399.7
140°	420.6	420.7	420.8	420.9	421.0	421.0	421.0	421.0	421.0	421.0	420.9
142.5°	440.3	440.3	440.3	440.3	440.3	440.4	440.5	440.6	440.7	440.8	440.7
145°	459.7	459.8	459.9	460.0	460.1	460.0	459.9	459.8	459.7	459.7	459.5
147.5°	477.7	477.8	477.9	478.0	478.1	478.2	478.3	478.4	478.5	478.5	478.2
150°	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.4
152.5°	511.0	510.7	510.4	510.1	509.8	509.7	509.6	509.5	509.4	509.4	509.3
155°	525.7	525.3	524.9	524.5	524.1	524.2	524.3	524.4	524.5	524.5	524.5
157.5°	538.6	538.3	538.0	537.7	537.4	537.4	537.4	537.4	537.4	537.4	537.5
160°	550.6	550.3	550.0	549.7	549.4	549.5	549.6	549.7	549.8	549.8	549.9
162.5°	562.0	561.4	560.7	560.1	559.5	559.6	559.7	559.8	559.9	560.0	560.1
165°	571.2	570.6	569.9	569.3	568.7	568.9	569.1	569.3	569.5	569.6	569.8
167.5°	579.5	578.9	578.2	577.6	577.0	577.0	577.0	577.0	577.0	577.0	577.2
170°	585.9	585.3	584.6	584.0	583.4	583.3	583.2	583.1	583.0	583.0	583.3
172.5°	590.9	590.2	589.5	588.7	588.0	588.0	588.0	588.0	588.0	588.0	588.2
175°	594.1	593.4	592.7	592.0	591.3	591.4	591.5	591.6	591.7	591.7	592.0
177.5°	596.4	595.7	595.0	594.3	593.6	593.6	593.6	593.6	593.6	593.6	593.9
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	966.0	966.0	966.0	966.0
2.5°	944.2	948.9	956.7	967.6
5°	922.4	935.7	948.1	964.5
7.5°	903.0	918.5	935.7	959.0
10°	880.4	899.9	921.7	950.5
12.5°	853.9	881.2	906.1	937.2
15°	834.5	854.7	886.6	923.2
17.5°	807.2	834.5	866.4	907.6
20°	781.5	810.3	846.1	889.0
22.5°	754.3	787.0	822.8	868.7
25°	726.3	761.3	797.1	846.1
27.5°	700.6	732.5	773.0	822.8
30°	669.4	706.0	745.0	797.1
32.5°	639.1	677.2	716.9	769.1
35°	606.4	644.5	688.1	737.9
37.5°	574.5	616.5	656.2	704.5
40°	539.4	583.0	624.3	673.3
42.5°	505.2	550.3	591.6	633.6
45°	473.3	517.7	555.0	594.7
47.5°	442.9	482.6	520.8	556.6
50°	413.3	446.8	481.8	511.4
52.5°	382.2	414.1	442.1	468.6
55°	354.2	379.1	404.0	428.1
57.5°	320.7	345.6	367.4	386.1
60°	292.7	308.3	329.3	348.7
62.5°	260.8	278.7	295.0	307.5
65°	229.6	245.2	257.7	268.6
67.5°	203.2	212.5	221.9	233.5
70°	171.3	179.0	189.9	198.5
72.5°	144.0	150.2	155.7	165.8
75°	116.8	122.2	125.3	134.7
77.5°	90.3	95.7	98.1	103.5
80°	69.3	70.1	73.2	77.8
82.5°	47.5	49.0	49.8	53.7
85°	27.2	31.1	30.4	31.9
87.5°	11.7	12.5	14.0	15.6
90°	4.7	3.6	2.5	1.4
92.5°	15.9	14.6	13.3	12.0
95°	30.3	29.4	28.5	27.6
97.5°	46.7	45.8	45.0	44.2
100°	65.7	65.2	64.8	64.4
102.5°	85.9	85.8	85.7	85.6
105°	107.5	107.4	107.3	107.2
107.5°	130.1	130.0	129.9	129.8
110°	153.4	153.2	153.0	152.8

TEST NUMBER: P1034185

CATALOG NUMBER: S124RDIW-B575D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.7	176.7	176.7	176.7
115°	200.6	200.6	200.6	200.6
117.5°	223.2	223.2	223.2	223.2
120°	246.9	246.5	246.1	245.7
122.5°	269.5	269.4	269.3	269.2
125°	292.2	292.2	292.2	292.2
127.5°	313.8	313.5	313.2	312.9
130°	335.9	335.6	335.3	335.0
132.5°	358.1	357.9	357.7	357.5
135°	378.7	378.0	377.4	376.8
137.5°	399.4	399.1	398.8	398.5
140°	420.7	420.5	420.3	420.1
142.5°	440.5	440.3	440.1	439.9
145°	459.1	458.6	458.2	457.8
147.5°	477.7	477.2	476.7	476.2
150°	494.0	493.6	493.2	492.8
152.5°	509.1	508.8	508.6	508.4
155°	524.5	524.5	524.5	524.5
157.5°	537.7	537.9	538.1	538.3
160°	550.0	550.1	550.2	550.3
162.5°	560.4	560.7	561.0	561.3
165°	570.1	570.4	570.7	571.0
167.5°	577.6	578.0	578.4	578.8
170°	583.8	584.3	584.8	585.3
172.5°	588.6	589.1	589.5	589.9
175°	592.5	593.0	593.5	594.0
177.5°	594.4	594.9	595.4	595.9
180°	594.9	594.9	594.9	594.9

(END OF REPORT)