

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: P1034177

Luminaire Tested: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034177
REPORT IS A COMBINATION OF REPORTS P1000612 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B575D470UB27-4F0-XX-W2A-A1
Description: Define 4 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

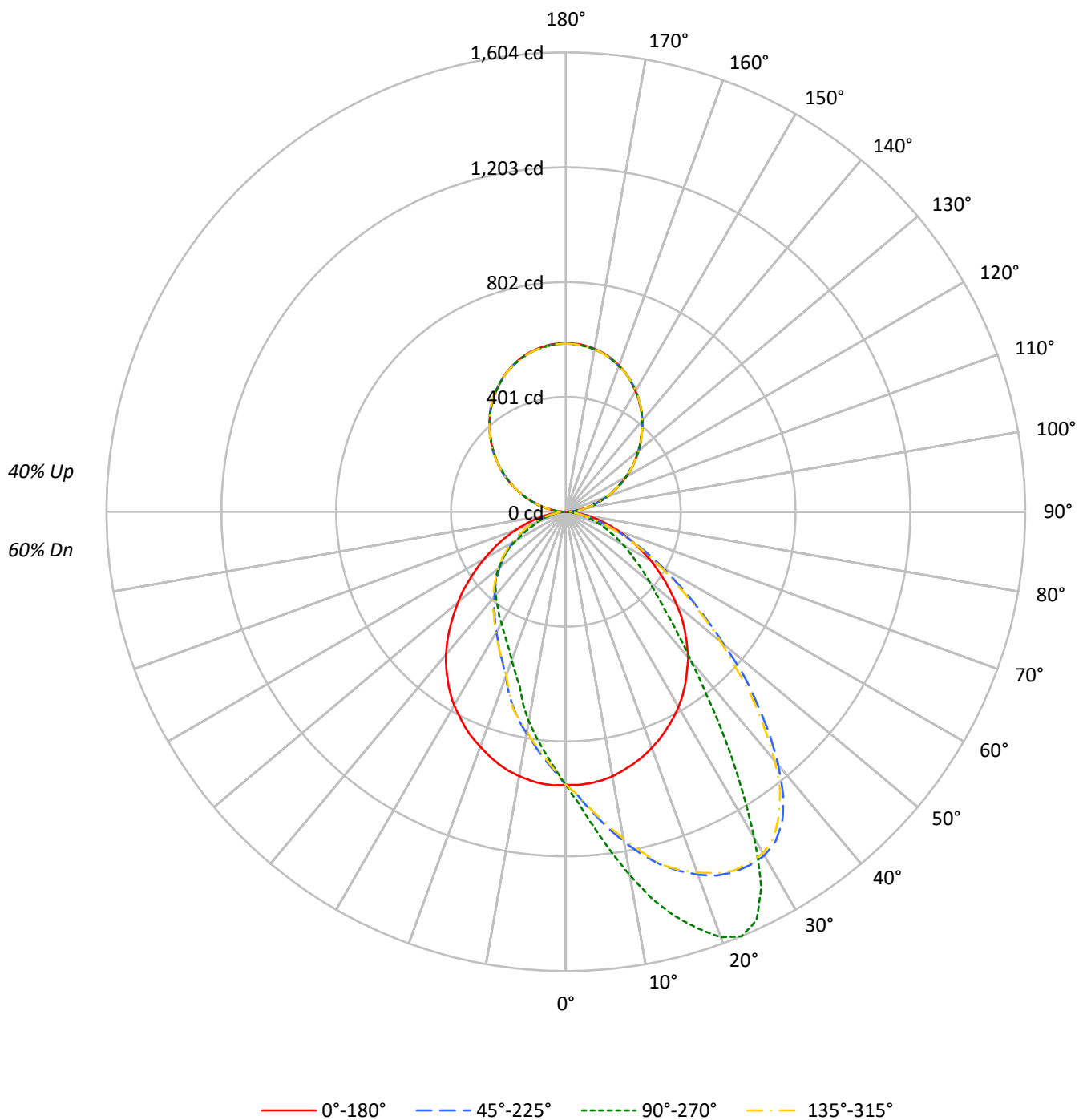
Lumens per Lamp: N/A
Luminaire Lumens: 4041.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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°	7774	7774	7774	7774
5°	7774	8784	7787	6714
10°	7733	10126	7726	5839
15°	7640	11397	7640	4889
20°	7544	12357	7505	4305
25°	7427	12409	7393	3888
30°	7302	10552	7245	3601
35°	7125	7962	7035	3388
40°	6928	5770	6793	3221
45°	6603	4385	6439	3073
50°	6217	3544	6047	2857
55°	5800	2935	5610	2569
60°	5381	2481	5140	2136
65°	4853	2022	4699	1698
70°	4370	1639	4165	1379
75°	3830	1181	3565	1011
80°	3159	782	2875	743
85°	2292	402	1899	402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 9732 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	2.3
10°-20°	278.8	6.9
20°-30°	436.7	10.8
30°-40°	484.9	12.0
40°-50°	429.7	10.6
50°-60°	334.9	8.3
60°-70°	219.1	5.4
70°-80°	107.5	2.7
80°-90°	27.4	0.7
90°-100°	38.3	0.9
100°-110°	114.7	2.8
110°-120°	194.8	4.8
120°-130°	256.9	6.4
130°-140°	288.6	7.1
140°-150°	283.6	7.0
150°-160°	238.5	5.9
160°-170°	158.7	3.9
170°-180°	55.6	1.4
0°-30°	807.8	20.0
0°-40°	1292.7	32.0
0°-60°	2057.3	50.9
0°-90°	2411.3	59.7
90°-120°	347.8	8.6
90°-150°	1176.9	29.1
90°-180°	1630.0	40.3
0°-180°	4041.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	953	953	953	953	953	
5°	952	1102	953	842	952	90
15°	911	1460	911	626	911	257
25°	835	1574	831	493	835	385
35°	728	970	719	412	728	455
45°	587	496	572	347	587	453
55°	422	296	409	259	422	378
65°	265	173	257	145	265	264
75°	133	80	124	68	133	141
85°	32	19	26	19	32	36
90°	1	14	1	14	1	4
95°	27	36	27	36	27	30
105°	106	111	106	111	106	112
115°	198	196	198	196	198	195
125°	288	286	288	286	288	257
135°	372	372	372	372	372	288
145°	452	452	452	452	452	283
155°	518	517	518	517	518	238
165°	564	562	564	562	564	159
175°	586	584	586	584	586	56
180°	587	587	587	587	587	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	954.9	963.4	968.0	971.8	979.5	982.6	988.7	990.2	996.4	995.6	993.3
5°	951.8	966.4	977.2	988.7	1002.5	1010.2	1018.7	1031.0	1037.1	1045.6	1050.9
7.5°	946.5	966.4	984.1	1001.8	1024.0	1036.3	1047.1	1066.3	1082.4	1096.3	1111.6
10°	938.0	963.4	989.5	1013.3	1044.0	1058.6	1074.7	1103.2	1125.4	1144.7	1169.2
12.5°	924.9	960.3	989.5	1021.7	1060.9	1080.9	1102.4	1136.2	1162.3	1193.8	1224.6
15°	911.1	950.3	988.7	1031.0	1075.5	1098.6	1120.1	1165.4	1205.3	1241.5	1275.3
17.5°	895.8	938.8	981.0	1027.9	1081.7	1110.1	1135.4	1190.0	1233.8	1280.6	1314.4
20°	877.3	924.2	972.6	1024.8	1085.5	1117.0	1145.4	1207.6	1256.0	1306.8	1349.0
22.5°	857.3	908.0	961.0	1017.9	1080.9	1115.5	1148.5	1215.3	1271.4	1318.3	1375.1
25°	835.1	888.8	943.4	1003.3	1074.0	1111.6	1145.4	1211.5	1271.4	1332.9	1388.2
27.5°	812.0	867.3	924.2	987.2	1059.4	1096.3	1134.7	1198.4	1268.3	1335.2	1391.3
30°	786.7	840.4	900.4	960.3	1037.1	1074.0	1113.2	1182.3	1258.4	1325.2	1385.9
32.5°	759.0	814.3	871.2	933.4	1008.7	1048.6	1084.7	1163.1	1240.7	1306.8	1363.6
35°	728.3	780.5	834.3	898.1	972.6	1008.7	1051.7	1133.1	1211.5	1281.4	1318.3
37.5°	695.2	745.2	795.1	858.1	929.6	973.3	1015.6	1097.8	1180.8	1227.6	1246.8
40°	664.5	708.3	752.1	812.8	885.0	930.3	973.3	1058.6	1131.6	1167.7	1153.1
42.5°	625.3	670.7	709.8	765.9	838.9	881.2	924.9	1013.3	1072.4	1087.0	1050.9
45°	586.9	624.6	662.2	716.8	793.6	829.7	876.5	958.7	1007.9	994.9	941.8
47.5°	549.3	580.0	615.3	668.4	737.5	780.5	824.3	895.8	930.3	911.9	838.1
50°	504.7	535.5	572.3	618.4	685.3	726.7	761.3	827.4	853.5	808.2	719.1
52.5°	462.5	489.4	520.9	563.9	627.6	665.3	702.9	759.8	768.2	716.0	622.3
55°	422.5	444.0	477.1	511.6	570.0	610.0	636.1	684.5	682.2	616.9	536.2
57.5°	381.0	401.0	423.3	459.4	514.7	544.7	573.1	615.3	593.1	537.8	457.9
60°	344.2	355.7	378.0	412.5	459.4	485.5	507.8	530.8	511.6	451.7	390.3
62.5°	303.4	316.5	332.6	360.3	401.8	426.4	442.5	452.5	432.5	386.4	330.3
65°	265.0	276.6	293.5	318.0	349.5	368.0	376.4	383.3	372.6	320.3	275.8
67.5°	230.5	238.1	253.5	269.6	303.4	308.1	319.6	322.7	301.1	261.2	225.9
70°	195.9	203.6	210.5	229.7	245.1	253.5	255.8	255.8	234.3	208.2	179.0
72.5°	163.6	168.2	175.2	188.2	196.7	202.8	205.9	202.0	182.1	160.6	139.0
75°	132.9	135.2	141.4	149.8	156.7	154.4	153.6	149.0	134.4	119.1	106.8
77.5°	102.2	103.7	110.6	112.9	112.9	115.2	112.2	107.6	95.3	83.7	78.4
80°	76.8	79.1	79.9	81.4	79.9	79.9	77.6	69.9	63.8	58.4	54.5
82.5°	53.0	54.5	55.3	53.0	54.5	52.2	48.4	43.0	39.2	38.4	36.9
85°	31.5	32.3	31.5	31.5	29.2	28.4	25.4	24.6	23.0	23.0	22.3
87.5°	15.4	14.6	13.1	11.5	11.5	10.8	11.5	10.0	11.5	10.8	10.0
90°	1.4	2.5	3.6	4.7	5.8	6.4	6.8	7.6	8.4	9.2	10.0
92.5°	11.8	13.1	14.4	15.7	17.0	17.7	18.0	18.5	19.0	19.5	20.0
95°	27.3	28.2	29.1	30.0	30.9	31.3	31.7	32.4	33.1	33.8	34.5
97.5°	43.6	44.4	45.2	46.0	46.8	47.2	47.6	48.4	49.3	50.1	50.9
100°	63.6	64.0	64.4	64.8	65.2	65.4	65.9	66.8	67.7	68.6	69.5
102.5°	84.5	84.6	84.7	84.8	84.9	84.9	85.3	86.1	87.0	87.8	88.6
105°	105.8	105.9	106.0	106.1	106.2	106.3	106.5	106.9	107.3	107.7	108.1
107.5°	128.1	128.2	128.3	128.4	128.5	128.6	128.6	128.7	128.8	128.9	129.0
110°	150.8	151.0	151.2	151.4	151.6	151.7	151.7	151.6	151.5	151.4	151.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.4	174.4	174.4	174.4	174.4	174.4	174.3	174.1	173.9	173.7	173.5
115°	198.1	198.1	198.1	198.1	198.1	198.1	198.0	197.8	197.6	197.4	197.2
117.5°	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.2	220.1	220.0	219.9
120°	242.6	243.0	243.4	243.8	244.2	244.4	244.2	243.9	243.6	243.3	243.0
122.5°	265.7	265.8	265.9	266.0	266.1	266.2	266.1	266.0	265.9	265.8	265.7
125°	288.5	288.5	288.5	288.5	288.5	288.5	288.4	288.3	288.2	288.1	288.0
127.5°	308.9	309.2	309.5	309.8	310.1	310.3	310.2	310.0	309.8	309.6	309.4
130°	330.7	331.0	331.3	331.6	331.9	332.1	332.1	332.1	332.1	332.1	332.1
132.5°	353.0	353.2	353.4	353.6	353.8	353.9	353.8	353.7	353.6	353.5	353.4
135°	372.0	372.6	373.2	373.9	374.5	374.8	374.8	374.8	374.8	374.8	374.8
137.5°	393.4	393.7	394.0	394.3	394.6	394.8	394.9	395.1	395.3	395.5	395.7
140°	414.7	414.9	415.1	415.4	415.6	415.7	415.7	415.7	415.7	415.7	415.7
142.5°	434.3	434.5	434.7	434.9	435.1	435.2	435.1	435.0	434.9	434.8	434.7
145°	452.0	452.4	452.8	453.2	453.6	453.8	453.9	454.0	454.1	454.2	454.3
147.5°	470.2	470.7	471.2	471.7	472.2	472.4	472.4	472.3	472.2	472.1	472.0
150°	486.5	486.9	487.3	487.7	488.1	488.3	488.3	488.3	488.3	488.3	488.3
152.5°	502.0	502.2	502.4	502.6	502.8	502.9	502.9	503.0	503.1	503.2	503.3
155°	517.9	517.9	517.9	517.9	517.9	517.9	517.8	517.7	517.6	517.5	517.4
157.5°	531.5	531.3	531.1	530.9	530.7	530.6	530.6	530.6	530.6	530.6	530.6
160°	543.3	543.2	543.1	543.0	542.9	542.9	542.8	542.7	542.6	542.5	542.4
162.5°	554.2	553.9	553.6	553.3	553.0	552.8	552.8	552.7	552.6	552.5	552.4
165°	563.8	563.5	563.2	562.9	562.6	562.4	562.3	562.1	561.9	561.7	561.5
167.5°	571.5	571.1	570.7	570.3	569.9	569.7	569.7	569.7	569.7	569.7	569.7
170°	577.8	577.3	576.8	576.3	575.8	575.6	575.6	575.7	575.8	575.9	576.0
172.5°	582.4	582.0	581.6	581.2	580.8	580.6	580.6	580.6	580.6	580.6	580.6
175°	586.5	586.0	585.5	585.0	584.5	584.2	584.1	584.0	583.9	583.8	583.7
177.5°	588.3	587.8	587.3	586.8	586.3	586.0	586.0	586.0	586.0	586.0	586.0
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	999.5	1007.9	1008.7	1016.4	1014.1	1010.2	1017.1	1012.5	1021.7	1018.7	1022.5
5°	1057.8	1069.4	1079.4	1085.5	1096.3	1094.0	1105.5	1101.6	1110.1	1101.6	1112.4
7.5°	1126.2	1145.4	1155.4	1171.5	1176.2	1176.9	1190.7	1193.8	1199.2	1193.8	1200.0
10°	1193.1	1216.1	1239.1	1252.2	1260.7	1272.2	1284.5	1289.8	1293.7	1288.3	1292.2
12.5°	1253.7	1289.8	1315.2	1341.3	1347.5	1357.5	1370.5	1369.0	1384.3	1381.3	1388.2
15°	1309.8	1349.8	1380.5	1401.2	1418.1	1426.6	1451.2	1452.7	1451.9	1459.6	1455.0
17.5°	1359.8	1393.6	1437.3	1464.2	1485.0	1485.0	1498.8	1527.2	1524.9	1524.2	1528.8
20°	1400.5	1438.9	1479.6	1524.9	1541.8	1544.9	1564.1	1578.7	1581.0	1581.0	1581.0
22.5°	1431.2	1476.5	1520.3	1552.6	1565.6	1576.4	1593.3	1602.5	1605.6	1604.1	1605.6
25°	1446.6	1489.6	1534.1	1563.3	1571.0	1577.2	1578.7	1584.1	1583.3	1574.1	1579.5
27.5°	1449.6	1491.1	1520.3	1528.0	1524.2	1520.3	1495.7	1498.0	1491.1	1477.3	1482.7
30°	1435.8	1458.1	1457.3	1433.5	1426.6	1410.5	1388.2	1355.1	1328.3	1316.7	1320.6
32.5°	1385.9	1385.9	1358.2	1304.4	1280.6	1251.4	1211.5	1181.5	1146.2	1138.5	1153.1
35°	1316.7	1277.6	1226.9	1156.2	1120.1	1098.6	1029.4	1007.9	978.0	969.5	976.4
37.5°	1209.2	1143.9	1070.1	1004.1	973.3	934.9	874.2	843.5	822.0	807.4	814.3
40°	1088.6	1009.4	932.6	851.2	817.4	785.9	740.6	712.9	678.3	679.9	682.2
42.5°	973.3	880.4	794.3	719.1	686.8	660.7	629.2	595.4	583.1	579.2	575.4
45°	851.2	752.1	671.4	615.3	586.2	561.6	532.4	513.2	498.6	495.5	499.3
47.5°	736.0	652.2	575.4	523.2	499.3	487.1	464.0	446.3	437.1	429.4	434.0
50°	631.5	553.1	491.7	447.9	431.0	422.5	401.0	391.8	382.6	380.3	379.5
52.5°	545.4	478.6	425.6	390.3	377.2	372.6	356.5	343.4	335.7	338.0	339.6
55°	467.1	410.2	368.7	340.3	329.6	324.2	312.7	303.4	298.1	295.8	297.3
57.5°	397.9	348.8	318.8	295.8	287.3	285.0	272.7	269.6	265.8	263.5	263.5
60°	334.9	300.4	272.7	259.7	250.4	248.1	238.9	235.1	234.3	232.0	230.5
62.5°	281.9	253.5	234.3	220.5	216.6	215.9	209.7	205.1	202.8	201.3	201.3
65°	235.8	215.1	199.0	189.0	185.9	184.4	177.5	175.9	174.4	172.9	172.1
67.5°	196.7	178.2	166.7	159.8	155.9	156.7	152.9	149.8	149.8	149.0	148.3
70°	159.0	147.5	137.5	133.7	132.1	130.6	129.1	126.8	126.0	126.0	126.0
72.5°	125.2	117.5	112.2	109.9	108.3	106.8	105.2	105.2	105.2	104.5	104.5
75°	96.0	93.0	89.1	86.8	86.8	88.3	86.0	83.7	81.4	79.9	80.7
77.5°	72.2	70.7	68.4	64.5	65.3	63.8	63.8	62.2	63.0	63.0	61.5
80°	53.0	50.7	49.9	47.6	48.4	47.6	46.9	46.9	45.3	45.3	45.3
82.5°	36.9	34.6	34.6	33.8	33.0	33.0	32.3	32.3	33.0	31.5	31.5
85°	22.3	21.5	21.5	20.0	20.0	20.0	20.0	20.7	20.0	19.2	19.2
87.5°	10.0	10.8	10.0	9.2	9.2	9.2	8.5	8.5	7.7	8.5	8.5
90°	10.6	11.2	11.8	12.4	12.7	12.8	13.0	13.2	13.4	13.6	13.4
92.5°	20.3	20.6	20.9	21.2	21.4	21.4	21.5	21.6	21.7	21.8	21.7
95°	34.8	35.1	35.4	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	51.3	51.7	52.1	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7
100°	69.7	69.9	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
102.5°	88.9	89.2	89.5	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.3
105°	108.4	108.7	109.0	109.3	109.5	109.6	109.9	110.2	110.5	110.8	110.5
107.5°	129.4	129.8	130.2	130.6	130.8	130.8	130.7	130.6	130.5	130.4	130.5
110°	151.1	150.9	150.7	150.5	150.4	150.5	150.8	151.1	151.4	151.7	151.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5
115°	197.1	197.0	196.9	196.8	196.7	196.6	196.5	196.4	196.3	196.2	196.3
117.5°	219.6	219.3	219.0	218.7	218.5	218.3	218.0	217.7	217.4	217.1	217.4
120°	242.5	242.0	241.5	241.0	240.8	240.9	241.1	241.3	241.5	241.7	241.5
122.5°	265.4	265.1	264.8	264.5	264.4	264.1	263.6	263.1	262.6	262.1	262.6
125°	287.8	287.6	287.4	287.2	287.1	287.0	286.8	286.6	286.4	286.2	286.4
127.5°	309.2	309.0	308.8	308.6	308.5	308.4	308.3	308.2	308.1	308.0	308.1
130°	331.9	331.7	331.5	331.3	331.2	331.0	330.6	330.1	329.7	329.3	329.7
132.5°	353.2	353.0	352.8	352.6	352.5	352.5	352.4	352.3	352.2	352.1	352.2
135°	374.6	374.4	374.2	374.0	373.9	373.7	373.4	373.1	372.8	372.5	372.8
137.5°	395.4	395.1	394.8	394.5	394.3	394.4	394.5	394.6	394.7	394.8	394.7
140°	415.6	415.5	415.4	415.3	415.2	415.1	415.0	414.9	414.8	414.7	414.8
142.5°	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7
145°	454.2	454.1	454.0	453.9	453.8	453.7	453.4	453.1	452.8	452.5	452.8
147.5°	471.9	471.8	471.7	471.6	471.5	471.5	471.4	471.3	471.2	471.1	471.2
150°	488.3	488.3	488.3	488.3	488.3	488.3	488.2	488.1	488.0	487.9	488.0
152.5°	503.6	503.9	504.2	504.5	504.7	504.5	504.2	503.9	503.6	503.3	503.6
155°	517.8	518.2	518.6	519.0	519.2	519.0	518.6	518.2	517.8	517.4	517.8
157.5°	530.9	531.2	531.5	531.8	532.0	531.8	531.5	531.2	530.9	530.6	530.9
160°	542.7	543.0	543.3	543.6	543.8	543.5	543.0	542.5	542.0	541.5	542.0
162.5°	553.0	553.6	554.2	554.8	555.1	554.8	554.3	553.8	553.3	552.8	553.3
165°	562.1	562.7	563.3	563.9	564.2	564.0	563.6	563.2	562.8	562.4	562.8
167.5°	570.3	570.9	571.5	572.1	572.4	572.1	571.5	570.9	570.3	569.7	570.3
170°	576.6	577.2	577.8	578.4	578.7	578.4	577.7	577.0	576.3	575.6	576.3
172.5°	581.3	582.0	582.7	583.4	583.7	583.4	582.7	582.0	581.3	580.6	581.3
175°	584.4	585.1	585.8	586.5	586.9	586.5	585.8	585.1	584.4	583.7	584.4
177.5°	586.7	587.4	588.1	588.8	589.2	588.8	588.0	587.2	586.4	585.6	586.4
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	1024.8	1019.4	1018.7	1018.7	1010.2	1014.8	1005.6	995.6	991.0	991.0	982.6
5°	1110.1	1104.7	1099.3	1090.9	1090.9	1086.3	1071.7	1057.1	1046.3	1037.1	1027.1
7.5°	1197.7	1192.3	1176.9	1168.5	1173.1	1163.9	1144.7	1120.1	1101.6	1087.0	1066.3
10°	1292.9	1278.3	1270.6	1266.0	1249.9	1239.9	1217.6	1181.5	1158.5	1139.3	1112.4
12.5°	1370.5	1375.1	1345.9	1348.2	1332.1	1318.3	1283.7	1249.1	1214.6	1187.7	1147.7
15°	1454.2	1440.4	1422.8	1408.9	1403.5	1386.6	1357.5	1311.4	1273.7	1231.5	1186.1
17.5°	1520.3	1509.6	1492.7	1479.6	1468.1	1427.4	1402.8	1362.1	1310.6	1269.1	1213.8
20°	1576.4	1566.4	1542.6	1534.1	1513.4	1484.2	1448.9	1385.9	1339.8	1294.5	1240.7
22.5°	1600.2	1590.2	1569.5	1558.7	1545.7	1517.2	1483.4	1423.5	1366.7	1309.8	1253.0
25°	1580.2	1580.2	1570.3	1566.4	1554.9	1529.5	1495.0	1444.3	1383.6	1322.1	1254.5
27.5°	1483.4	1502.6	1509.6	1513.4	1513.4	1514.2	1490.4	1441.2	1382.0	1322.1	1251.4
30°	1343.6	1375.9	1404.3	1412.8	1427.4	1443.5	1453.5	1429.7	1376.7	1313.7	1243.0
32.5°	1167.7	1209.2	1262.2	1275.3	1295.2	1343.6	1370.5	1380.5	1351.3	1296.0	1220.7
35°	992.5	1044.8	1077.1	1117.0	1135.4	1206.9	1266.8	1302.9	1296.0	1263.0	1194.6
37.5°	839.7	869.6	908.8	951.1	987.9	1056.3	1130.8	1200.7	1229.2	1213.0	1161.6
40°	692.9	728.3	775.1	809.7	835.1	903.4	995.6	1071.7	1133.9	1143.9	1112.4
42.5°	589.2	624.6	653.0	690.6	710.6	776.7	858.1	953.4	1027.1	1066.3	1052.5
45°	509.3	530.8	553.9	575.4	600.0	658.4	733.7	838.1	921.1	976.4	981.8
47.5°	439.4	458.6	478.6	498.6	512.4	557.7	626.9	712.1	802.8	878.8	908.8
50°	390.3	399.5	414.1	425.6	441.7	480.9	536.2	610.0	706.0	788.2	827.4
52.5°	341.9	353.4	364.9	374.9	385.6	413.3	464.0	527.8	610.7	695.2	743.6
55°	301.1	310.4	321.1	328.0	334.2	358.8	397.2	446.3	517.8	597.7	657.6
57.5°	268.1	272.0	281.2	285.0	291.9	311.9	339.6	383.3	441.0	518.6	567.7
60°	232.0	239.7	246.6	249.7	255.1	268.9	288.1	328.8	378.7	435.6	491.7
62.5°	202.8	205.9	211.3	215.1	218.9	233.5	249.7	280.4	318.0	365.7	417.1
65°	175.9	177.5	180.5	185.9	188.2	199.0	208.2	230.5	265.8	301.9	353.4
67.5°	148.3	149.8	153.6	156.7	159.0	165.9	175.9	192.1	211.3	251.2	279.6
70°	126.8	126.8	129.1	130.6	132.9	136.0	141.4	153.6	171.3	196.7	222.8
72.5°	106.0	106.0	106.0	108.3	108.3	110.6	113.7	122.1	134.4	154.4	171.3
75°	82.2	83.0	84.5	84.5	85.3	88.3	90.7	93.0	99.1	112.2	127.5
77.5°	62.2	63.8	64.5	63.0	64.5	64.5	67.6	70.7	73.7	77.6	89.1
80°	46.1	46.9	45.3	46.1	46.1	47.6	49.2	48.4	49.9	54.5	57.6
82.5°	30.7	31.5	31.5	31.5	31.5	33.8	33.8	33.0	33.8	34.6	35.3
85°	19.2	18.4	18.4	19.2	18.4	18.4	19.2	20.0	19.2	20.0	20.7
87.5°	8.5	8.5	8.5	8.5	7.7	7.7	8.5	7.7	8.5	7.7	6.9
90°	13.2	13.0	12.8	12.7	12.4	11.8	11.2	10.6	10.0	9.2	8.4
92.5°	21.6	21.5	21.4	21.4	21.2	20.9	20.6	20.3	20.0	19.5	19.0
95°	35.9	35.9	35.9	35.9	35.7	35.4	35.1	34.8	34.5	33.8	33.1
97.5°	52.7	52.7	52.7	52.7	52.5	52.1	51.7	51.3	50.9	50.1	49.3
100°	70.4	70.4	70.4	70.4	70.3	70.1	69.9	69.7	69.5	68.6	67.7
102.5°	90.2	90.1	90.0	89.9	89.8	89.5	89.2	88.9	88.6	87.8	87.0
105°	110.2	109.9	109.6	109.5	109.3	109.0	108.7	108.4	108.1	107.7	107.3
107.5°	130.6	130.7	130.8	130.8	130.6	130.2	129.8	129.4	129.0	128.9	128.8
110°	151.1	150.8	150.5	150.4	150.5	150.7	150.9	151.1	151.3	151.4	151.5

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.7	173.9
115°	196.4	196.5	196.6	196.7	196.8	196.9	197.0	197.1	197.2	197.4	197.6
117.5°	217.7	218.0	218.3	218.5	218.7	219.0	219.3	219.6	219.9	220.0	220.1
120°	241.3	241.1	240.9	240.8	241.0	241.5	242.0	242.5	243.0	243.3	243.6
122.5°	263.1	263.6	264.1	264.4	264.5	264.8	265.1	265.4	265.7	265.8	265.9
125°	286.6	286.8	287.0	287.1	287.2	287.4	287.6	287.8	288.0	288.1	288.2
127.5°	308.2	308.3	308.4	308.5	308.6	308.8	309.0	309.2	309.4	309.6	309.8
130°	330.1	330.6	331.0	331.2	331.3	331.5	331.7	331.9	332.1	332.1	332.1
132.5°	352.3	352.4	352.5	352.5	352.6	352.8	353.0	353.2	353.4	353.5	353.6
135°	373.1	373.4	373.7	373.9	374.0	374.2	374.4	374.6	374.8	374.8	374.8
137.5°	394.6	394.5	394.4	394.3	394.5	394.8	395.1	395.4	395.7	395.5	395.3
140°	414.9	415.0	415.1	415.2	415.3	415.4	415.5	415.6	415.7	415.7	415.7
142.5°	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.8	434.9
145°	453.1	453.4	453.7	453.8	453.9	454.0	454.1	454.2	454.3	454.2	454.1
147.5°	471.3	471.4	471.5	471.5	471.6	471.7	471.8	471.9	472.0	472.1	472.2
150°	488.1	488.2	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
152.5°	503.9	504.2	504.5	504.7	504.5	504.2	503.9	503.6	503.3	503.2	503.1
155°	518.2	518.6	519.0	519.2	519.0	518.6	518.2	517.8	517.4	517.5	517.6
157.5°	531.2	531.5	531.8	532.0	531.8	531.5	531.2	530.9	530.6	530.6	530.6
160°	542.5	543.0	543.5	543.8	543.6	543.3	543.0	542.7	542.4	542.5	542.6
162.5°	553.8	554.3	554.8	555.1	554.8	554.2	553.6	553.0	552.4	552.5	552.6
165°	563.2	563.6	564.0	564.2	563.9	563.3	562.7	562.1	561.5	561.7	561.9
167.5°	570.9	571.5	572.1	572.4	572.1	571.5	570.9	570.3	569.7	569.7	569.7
170°	577.0	577.7	578.4	578.7	578.4	577.8	577.2	576.6	576.0	575.9	575.8
172.5°	582.0	582.7	583.4	583.7	583.4	582.7	582.0	581.3	580.6	580.6	580.6
175°	585.1	585.8	586.5	586.9	586.5	585.8	585.1	584.4	583.7	583.8	583.9
177.5°	587.2	588.0	588.8	589.2	588.8	588.1	587.4	586.7	586.0	586.0	586.0
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	978.0	974.1	971.8	971.0	964.1	960.3	958.0	956.4	954.1	948.0	942.6
5°	1014.8	1004.1	998.7	992.5	981.8	969.5	959.5	953.4	945.7	933.4	921.9
7.5°	1049.4	1033.3	1022.5	1014.1	995.6	975.6	959.5	946.5	931.9	915.0	898.8
10°	1085.5	1059.4	1045.6	1032.5	1005.6	979.5	956.4	937.2	916.5	894.2	876.5
12.5°	1113.9	1079.4	1064.0	1045.6	1012.5	981.8	952.6	926.5	899.6	875.8	850.4
15°	1147.0	1103.9	1086.3	1062.5	1017.1	977.2	939.5	911.1	883.5	848.1	821.2
17.5°	1166.2	1116.2	1090.9	1070.1	1021.0	972.6	928.8	893.4	861.2	825.8	797.4
20°	1185.4	1128.5	1100.1	1070.9	1012.5	961.0	915.0	872.7	838.9	800.5	771.3
22.5°	1191.5	1125.4	1095.5	1068.6	1007.1	949.5	896.5	853.5	814.3	775.9	742.9
25°	1191.5	1124.7	1089.3	1054.8	990.2	931.1	878.1	831.2	787.4	749.0	716.0
27.5°	1179.2	1109.3	1072.4	1040.9	974.1	910.3	855.8	804.3	762.1	723.7	686.0
30°	1163.9	1087.0	1050.2	1012.5	948.0	887.3	828.1	780.5	736.0	692.2	658.4
32.5°	1144.7	1063.2	1022.5	984.1	915.7	852.7	798.2	751.3	709.1	663.7	626.1
35°	1117.0	1027.9	982.6	948.8	882.7	817.4	765.2	719.1	678.3	631.5	590.8
37.5°	1081.7	995.6	949.5	908.0	839.7	779.7	730.6	686.0	646.1	603.1	557.7
40°	1040.2	950.3	910.3	866.6	794.3	737.5	691.4	651.5	611.5	570.8	527.0
42.5°	993.3	904.2	859.6	817.4	748.3	692.2	649.1	613.0	576.2	538.5	491.7
45°	937.2	853.5	810.5	770.5	703.7	646.1	606.9	572.3	540.8	502.4	460.9
47.5°	874.2	801.3	757.5	714.4	649.1	599.2	560.8	531.6	504.7	466.3	428.7
50°	812.8	740.6	705.2	661.4	601.5	554.7	515.5	490.9	470.2	432.5	398.7
52.5°	735.2	680.6	646.8	609.2	551.6	504.0	473.2	451.7	427.1	397.9	368.0
55°	666.8	616.1	589.2	553.9	497.0	454.8	428.7	408.7	389.5	363.4	339.6
57.5°	589.2	557.7	530.8	500.1	444.0	407.9	384.9	368.0	350.3	328.8	309.6
60°	507.8	493.2	467.1	442.5	394.9	363.4	344.2	328.8	311.9	294.2	278.1
62.5°	435.6	427.1	411.8	392.6	348.0	321.1	301.9	290.4	278.1	262.0	246.6
65°	367.2	363.4	348.8	334.9	304.2	280.4	263.5	256.6	242.8	230.5	216.6
67.5°	306.5	301.9	293.5	287.3	261.2	238.9	230.5	221.2	209.7	200.5	189.0
70°	245.1	244.3	238.9	231.2	217.4	201.3	192.8	186.7	175.2	168.2	159.8
72.5°	190.5	194.4	189.8	186.7	177.5	165.9	158.3	154.4	145.2	139.8	133.7
75°	142.1	145.2	147.5	142.1	139.8	134.4	127.5	123.7	119.1	111.4	109.1
77.5°	96.8	103.7	103.7	105.2	106.0	102.9	97.6	94.5	89.1	87.6	84.5
80°	63.8	69.9	70.7	72.2	74.5	74.5	70.7	69.9	64.5	63.8	61.5
82.5°	36.9	42.3	45.3	47.6	46.9	49.9	46.9	46.1	43.0	43.0	41.5
85°	20.0	20.7	22.3	23.8	25.4	26.9	26.9	26.1	25.4	24.6	23.0
87.5°	7.7	7.7	8.5	7.7	8.5	10.0	10.8	10.8	10.0	9.2	7.7
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°	18.5	18.0	17.7	17.0	15.7	14.4	13.1	11.8	13.1	14.4	15.7
95°	32.4	31.7	31.3	30.9	30.0	29.1	28.2	27.3	28.2	29.1	30.0
97.5°	48.4	47.6	47.2	46.8	46.0	45.2	44.4	43.6	44.4	45.2	46.0
100°	66.8	65.9	65.4	65.2	64.8	64.4	64.0	63.6	64.0	64.4	64.8
102.5°	86.1	85.3	84.9	84.9	84.8	84.7	84.6	84.5	84.6	84.7	84.8
105°	106.9	106.5	106.3	106.2	106.1	106.0	105.9	105.8	105.9	106.0	106.1
107.5°	128.7	128.6	128.6	128.5	128.4	128.3	128.2	128.1	128.2	128.3	128.4
110°	151.6	151.7	151.7	151.6	151.4	151.2	151.0	150.8	151.0	151.2	151.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	174.1	174.3	174.4	174.4	174.4	174.4	174.4	174.4	174.4	174.4	174.4
115°	197.8	198.0	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1
117.5°	220.2	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3
120°	243.9	244.2	244.4	244.2	243.8	243.4	243.0	242.6	243.0	243.4	243.8
122.5°	266.0	266.1	266.2	266.1	266.0	265.9	265.8	265.7	265.8	265.9	266.0
125°	288.3	288.4	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5
127.5°	310.0	310.2	310.3	310.1	309.8	309.5	309.2	308.9	309.2	309.5	309.8
130°	332.1	332.1	332.1	331.9	331.6	331.3	331.0	330.7	331.0	331.3	331.6
132.5°	353.7	353.8	353.9	353.8	353.6	353.4	353.2	353.0	353.2	353.4	353.6
135°	374.8	374.8	374.8	374.5	373.9	373.2	372.6	372.0	372.6	373.2	373.9
137.5°	395.1	394.9	394.8	394.6	394.3	394.0	393.7	393.4	393.7	394.0	394.3
140°	415.7	415.7	415.7	415.6	415.4	415.1	414.9	414.7	414.9	415.1	415.4
142.5°	435.0	435.1	435.2	435.1	434.9	434.7	434.5	434.3	434.5	434.7	434.9
145°	454.0	453.9	453.8	453.6	453.2	452.8	452.4	452.0	452.4	452.8	453.2
147.5°	472.3	472.4	472.4	472.2	471.7	471.2	470.7	470.2	470.7	471.2	471.7
150°	488.3	488.3	488.3	488.1	487.7	487.3	486.9	486.5	486.9	487.3	487.7
152.5°	503.0	502.9	502.9	502.8	502.6	502.4	502.2	502.0	502.2	502.4	502.6
155°	517.7	517.8	517.9	517.9	517.9	517.9	517.9	517.9	517.9	517.9	517.9
157.5°	530.6	530.6	530.6	530.7	530.9	531.1	531.3	531.5	531.3	531.1	530.9
160°	542.7	542.8	542.9	542.9	543.0	543.1	543.2	543.3	543.2	543.1	543.0
162.5°	552.7	552.8	552.8	553.0	553.3	553.6	553.9	554.2	553.9	553.6	553.3
165°	562.1	562.3	562.4	562.6	562.9	563.2	563.5	563.8	563.5	563.2	562.9
167.5°	569.7	569.7	569.7	569.9	570.3	570.7	571.1	571.5	571.1	570.7	570.3
170°	575.7	575.6	575.6	575.8	576.3	576.8	577.3	577.8	577.3	576.8	576.3
172.5°	580.6	580.6	580.6	580.8	581.2	581.6	582.0	582.4	582.0	581.6	581.2
175°	584.0	584.1	584.2	584.5	585.0	585.5	586.0	586.5	586.0	585.5	585.0
177.5°	586.0	586.0	586.0	586.3	586.8	587.3	587.8	588.3	587.8	587.3	586.8
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	938.0	936.5	934.9	928.8	923.4	914.2	906.5	903.4	902.7	903.4	901.1
5°	911.1	910.3	905.0	894.2	884.2	873.5	865.8	858.1	853.5	853.5	848.1
7.5°	885.8	880.4	875.8	861.9	850.4	835.8	824.3	817.4	813.6	805.1	805.1
10°	858.9	851.2	845.0	832.0	815.1	800.5	785.9	777.4	770.5	764.4	762.1
12.5°	832.0	825.8	814.3	800.5	783.6	765.2	749.8	743.6	727.5	714.4	715.2
15°	806.6	792.8	787.4	767.5	747.5	729.8	707.5	689.9	676.8	668.4	657.6
17.5°	778.2	764.4	754.4	737.5	711.4	683.7	662.2	638.4	625.3	610.7	603.8
20°	746.7	735.2	727.5	700.6	669.1	636.1	612.3	597.7	583.1	572.3	566.2
22.5°	719.8	705.2	696.0	659.9	625.3	592.3	573.9	561.6	549.3	540.1	537.0
25°	685.3	676.8	654.5	623.0	580.8	558.5	542.4	526.2	519.3	513.2	506.3
27.5°	656.8	636.1	620.7	579.2	553.1	527.8	511.6	499.3	490.9	484.7	479.4
30°	621.5	602.3	580.8	546.2	522.4	498.6	484.0	474.0	464.8	460.9	456.3
32.5°	584.6	566.9	546.2	518.6	489.4	470.9	459.4	448.6	442.5	438.7	433.3
35°	551.6	529.3	515.5	489.4	465.5	444.8	434.0	424.8	417.9	416.4	415.6
37.5°	516.2	499.3	486.3	459.4	439.4	421.8	411.8	401.8	397.9	397.2	394.1
40°	485.5	470.9	458.6	433.3	411.8	395.6	388.0	381.8	378.0	378.0	377.2
42.5°	458.6	443.3	431.0	407.9	388.7	374.1	365.7	359.5	358.0	358.8	358.0
45°	428.7	415.6	403.3	379.5	363.4	352.6	343.4	340.3	338.0	338.8	339.6
47.5°	400.2	389.5	377.2	358.0	339.6	328.0	322.7	319.6	319.6	319.6	321.1
50°	374.9	362.6	351.8	331.9	315.0	305.8	301.1	297.3	298.1	298.8	299.6
52.5°	344.9	334.2	326.5	306.5	294.2	282.7	277.3	278.1	277.3	277.3	278.9
55°	318.8	308.1	300.4	281.9	269.6	262.0	257.4	255.1	255.8	254.3	257.4
57.5°	289.6	280.4	275.0	257.4	246.6	239.7	235.8	232.0	233.5	232.8	232.0
60°	264.3	253.5	245.1	232.8	223.6	215.1	212.8	209.0	210.5	209.0	208.2
62.5°	235.1	226.6	220.5	208.2	200.5	193.6	188.2	185.9	185.1	182.8	180.5
65°	205.9	201.3	195.1	182.8	175.2	169.8	166.7	164.4	163.6	157.5	150.6
67.5°	179.0	175.9	169.8	160.6	153.6	148.3	143.7	139.8	135.2	130.6	126.8
70°	153.6	149.0	145.2	136.7	130.6	125.2	120.6	116.0	113.7	109.1	107.6
72.5°	129.1	124.5	120.6	112.9	107.6	102.2	100.6	95.3	93.0	92.2	92.2
75°	103.7	99.9	97.6	90.7	86.0	82.2	79.9	78.4	76.8	75.3	73.0
77.5°	79.1	76.8	75.3	70.7	66.8	64.5	63.8	58.4	56.8	55.3	53.8
80°	57.6	56.8	55.3	51.5	49.9	44.6	44.6	43.0	42.3	42.3	42.3
82.5°	39.2	37.6	36.9	33.0	32.3	31.5	30.7	30.0	30.7	30.0	30.7
85°	20.7	20.0	19.2	19.2	19.2	19.2	19.2	19.2	19.2	18.4	19.2
87.5°	7.7	7.7	7.7	7.7	6.9	7.7	7.7	6.9	7.7	7.7	7.7
90°	5.8	6.4	6.8	7.6	8.4	9.2	10.0	10.6	11.2	11.8	12.4
92.5°	17.0	17.7	18.0	18.5	19.0	19.5	20.0	20.3	20.6	20.9	21.2
95°	30.9	31.3	31.7	32.4	33.1	33.8	34.5	34.8	35.1	35.4	35.7
97.5°	46.8	47.2	47.6	48.4	49.3	50.1	50.9	51.3	51.7	52.1	52.5
100°	65.2	65.4	65.9	66.8	67.7	68.6	69.5	69.7	69.9	70.1	70.3
102.5°	84.9	84.9	85.3	86.1	87.0	87.8	88.6	88.9	89.2	89.5	89.8
105°	106.2	106.3	106.5	106.9	107.3	107.7	108.1	108.4	108.7	109.0	109.3
107.5°	128.5	128.6	128.6	128.7	128.8	128.9	129.0	129.4	129.8	130.2	130.6
110°	151.6	151.7	151.7	151.6	151.5	151.4	151.3	151.1	150.9	150.7	150.5

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	174.4	174.4	174.3	174.1	173.9	173.7	173.5	173.5	173.5	173.5	173.5
115°	198.1	198.1	198.0	197.8	197.6	197.4	197.2	197.1	197.0	196.9	196.8
117.5°	220.3	220.3	220.3	220.2	220.1	220.0	219.9	219.6	219.3	219.0	218.7
120°	244.2	244.4	244.2	243.9	243.6	243.3	243.0	242.5	242.0	241.5	241.0
122.5°	266.1	266.2	266.1	266.0	265.9	265.8	265.7	265.4	265.1	264.8	264.5
125°	288.5	288.5	288.4	288.3	288.2	288.1	288.0	287.8	287.6	287.4	287.2
127.5°	310.1	310.3	310.2	310.0	309.8	309.6	309.4	309.2	309.0	308.8	308.6
130°	331.9	332.1	332.1	332.1	332.1	332.1	332.1	331.9	331.7	331.5	331.3
132.5°	353.8	353.9	353.8	353.7	353.6	353.5	353.4	353.2	353.0	352.8	352.6
135°	374.5	374.8	374.8	374.8	374.8	374.8	374.8	374.6	374.4	374.2	374.0
137.5°	394.6	394.8	394.9	395.1	395.3	395.5	395.7	395.4	395.1	394.8	394.5
140°	415.6	415.7	415.7	415.7	415.7	415.7	415.7	415.6	415.5	415.4	415.3
142.5°	435.1	435.2	435.1	435.0	434.9	434.8	434.7	434.7	434.7	434.7	434.7
145°	453.6	453.8	453.9	454.0	454.1	454.2	454.3	454.2	454.1	454.0	453.9
147.5°	472.2	472.4	472.4	472.3	472.2	472.1	472.0	471.9	471.8	471.7	471.6
150°	488.1	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
152.5°	502.8	502.9	502.9	503.0	503.1	503.2	503.3	503.6	503.9	504.2	504.5
155°	517.9	517.9	517.8	517.7	517.6	517.5	517.4	517.8	518.2	518.6	519.0
157.5°	530.7	530.6	530.6	530.6	530.6	530.6	530.6	530.9	531.2	531.5	531.8
160°	542.9	542.9	542.8	542.7	542.6	542.5	542.4	542.7	543.0	543.3	543.6
162.5°	553.0	552.8	552.8	552.7	552.6	552.5	552.4	553.0	553.6	554.2	554.8
165°	562.6	562.4	562.3	562.1	561.9	561.7	561.5	562.1	562.7	563.3	563.9
167.5°	569.9	569.7	569.7	569.7	569.7	569.7	569.7	570.3	570.9	571.5	572.1
170°	575.8	575.6	575.6	575.7	575.8	575.9	576.0	576.6	577.2	577.8	578.4
172.5°	580.8	580.6	580.6	580.6	580.6	580.6	580.6	581.3	582.0	582.7	583.4
175°	584.5	584.2	584.1	584.0	583.9	583.8	583.7	584.4	585.1	585.8	586.5
177.5°	586.3	586.0	586.0	586.0	586.0	586.0	586.0	586.7	587.4	588.1	588.8
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	901.1	904.2	900.4	902.7	897.3	896.5	897.3	897.3	898.1	898.8	899.6
5°	850.4	849.7	845.0	842.0	839.7	842.0	843.5	845.0	843.5	845.0	845.8
7.5°	802.8	800.5	798.2	792.8	794.3	792.8	797.4	795.1	795.1	799.0	802.0
10°	760.5	755.9	754.4	748.3	743.6	742.9	748.3	750.6	752.9	754.4	760.5
12.5°	706.0	699.1	693.7	696.0	683.0	688.3	689.9	686.8	696.0	706.8	700.6
15°	647.6	648.4	637.6	633.8	623.0	626.1	626.9	634.6	642.2	641.5	650.7
17.5°	604.6	600.0	590.8	590.0	585.4	587.7	586.9	593.1	590.8	594.6	602.3
20°	564.6	561.6	553.9	550.8	552.4	550.8	551.6	552.4	554.7	563.1	561.6
22.5°	533.1	529.3	529.3	525.5	520.9	519.3	523.2	525.5	528.5	530.1	533.9
25°	505.5	502.4	498.6	496.3	492.4	493.2	495.5	498.6	500.9	504.0	507.0
27.5°	477.1	477.1	473.2	472.5	470.9	470.2	473.2	474.8	474.8	477.1	480.1
30°	454.8	454.8	450.9	450.2	449.4	449.4	451.7	452.5	453.3	455.6	457.1
32.5°	433.3	432.5	431.0	431.7	431.0	431.7	431.7	432.5	434.0	434.8	437.9
35°	413.3	414.1	412.5	412.5	411.8	412.5	414.1	414.8	415.6	417.1	417.1
37.5°	394.1	395.6	394.9	397.2	397.2	397.2	397.2	398.7	398.7	398.7	397.9
40°	377.2	377.2	376.4	378.0	379.5	379.5	380.3	380.3	381.0	381.0	380.3
42.5°	358.0	359.5	361.8	362.6	364.1	363.4	365.7	364.9	365.7	364.1	362.6
45°	340.3	340.3	343.4	346.5	347.2	347.2	347.2	348.8	347.2	344.9	344.2
47.5°	321.1	322.7	324.2	328.0	328.8	328.8	328.8	328.8	327.3	327.3	327.3
50°	301.9	302.7	303.4	305.0	307.3	306.5	306.5	306.5	309.6	306.5	307.3
52.5°	278.9	279.6	280.4	283.5	282.7	282.7	283.5	283.5	285.8	285.0	283.5
55°	255.8	255.8	257.4	257.4	257.4	258.9	259.7	261.2	260.4	261.2	262.0
57.5°	232.8	231.2	230.5	230.5	232.8	232.0	232.8	232.8	235.8	237.4	238.1
60°	205.9	205.9	205.1	200.5	200.5	199.7	202.0	203.6	205.1	212.0	211.3
62.5°	178.2	175.2	172.1	172.9	168.2	170.5	169.0	170.5	175.2	180.5	181.3
65°	150.6	148.3	145.2	144.4	142.9	145.2	144.4	145.2	147.5	150.6	154.4
67.5°	126.0	125.2	123.7	122.9	122.9	122.9	124.5	124.5	125.2	127.5	129.8
70°	107.6	106.8	107.6	106.0	106.8	106.0	106.8	107.6	108.3	109.1	111.4
72.5°	90.7	90.7	90.7	89.1	90.7	89.9	89.9	90.7	91.4	92.2	93.7
75°	72.2	70.7	69.1	67.6	66.8	68.4	69.1	68.4	70.7	73.7	73.7
77.5°	54.5	53.8	53.8	53.8	54.5	53.8	55.3	54.5	55.3	55.3	56.8
80°	42.3	41.5	42.3	42.3	41.5	43.0	42.3	42.3	43.0	43.8	43.0
82.5°	30.7	31.5	30.7	30.7	30.7	32.3	30.7	30.7	30.7	31.5	31.5
85°	19.2	19.2	19.2	19.2	20.0	19.2	20.0	19.2	20.7	20.0	20.0
87.5°	6.9	7.7	8.5	8.5	8.5	8.5	7.7	8.5	9.2	8.5	9.2
90°	12.7	12.8	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.7
92.5°	21.4	21.4	21.5	21.6	21.7	21.8	21.7	21.6	21.5	21.4	21.4
95°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
100°	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
102.5°	89.9	90.0	90.1	90.2	90.3	90.4	90.3	90.2	90.1	90.0	89.9
105°	109.5	109.6	109.9	110.2	110.5	110.8	110.5	110.2	109.9	109.6	109.5
107.5°	130.8	130.8	130.7	130.6	130.5	130.4	130.5	130.6	130.7	130.8	130.8
110°	150.4	150.5	150.8	151.1	151.4	151.7	151.4	151.1	150.8	150.5	150.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5
115°	196.7	196.6	196.5	196.4	196.3	196.2	196.3	196.4	196.5	196.6	196.7
117.5°	218.5	218.3	218.0	217.7	217.4	217.1	217.4	217.7	218.0	218.3	218.5
120°	240.8	240.9	241.1	241.3	241.5	241.7	241.5	241.3	241.1	240.9	240.8
122.5°	264.4	264.1	263.6	263.1	262.6	262.1	262.6	263.1	263.6	264.1	264.4
125°	287.1	287.0	286.8	286.6	286.4	286.2	286.4	286.6	286.8	287.0	287.1
127.5°	308.5	308.4	308.3	308.2	308.1	308.0	308.1	308.2	308.3	308.4	308.5
130°	331.2	331.0	330.6	330.1	329.7	329.3	329.7	330.1	330.6	331.0	331.2
132.5°	352.5	352.5	352.4	352.3	352.2	352.1	352.2	352.3	352.4	352.5	352.5
135°	373.9	373.7	373.4	373.1	372.8	372.5	372.8	373.1	373.4	373.7	373.9
137.5°	394.3	394.4	394.5	394.6	394.7	394.8	394.7	394.6	394.5	394.4	394.3
140°	415.2	415.1	415.0	414.9	414.8	414.7	414.8	414.9	415.0	415.1	415.2
142.5°	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7
145°	453.8	453.7	453.4	453.1	452.8	452.5	452.8	453.1	453.4	453.7	453.8
147.5°	471.5	471.5	471.4	471.3	471.2	471.1	471.2	471.3	471.4	471.5	471.5
150°	488.3	488.3	488.2	488.1	488.0	487.9	488.0	488.1	488.2	488.3	488.3
152.5°	504.7	504.5	504.2	503.9	503.6	503.3	503.6	503.9	504.2	504.5	504.7
155°	519.2	519.0	518.6	518.2	517.8	517.4	517.8	518.2	518.6	519.0	519.2
157.5°	532.0	531.8	531.5	531.2	530.9	530.6	530.9	531.2	531.5	531.8	532.0
160°	543.8	543.5	543.0	542.5	542.0	541.5	542.0	542.5	543.0	543.5	543.8
162.5°	555.1	554.8	554.3	553.8	553.3	552.8	553.3	553.8	554.3	554.8	555.1
165°	564.2	564.0	563.6	563.2	562.8	562.4	562.8	563.2	563.6	564.0	564.2
167.5°	572.4	572.1	571.5	570.9	570.3	569.7	570.3	570.9	571.5	572.1	572.4
170°	578.7	578.4	577.7	577.0	576.3	575.6	576.3	577.0	577.7	578.4	578.7
172.5°	583.7	583.4	582.7	582.0	581.3	580.6	581.3	582.0	582.7	583.4	583.7
175°	586.9	586.5	585.8	585.1	584.4	583.7	584.4	585.1	585.8	586.5	586.9
177.5°	589.2	588.8	588.0	587.2	586.4	585.6	586.4	587.2	588.0	588.8	589.2
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4	953.4
2.5°	902.7	906.5	905.0	899.6	901.9	906.5	911.1	917.3	921.1	924.2	925.7
5°	849.7	856.6	855.0	855.0	858.1	865.8	873.5	886.5	891.1	896.5	904.2
7.5°	802.8	808.2	812.8	814.3	818.9	828.9	838.9	853.5	865.0	871.2	875.8
10°	761.3	765.2	772.1	775.9	780.5	792.8	807.4	822.8	834.3	845.0	851.2
12.5°	708.3	723.7	732.9	739.0	745.2	763.6	775.1	792.0	805.9	815.9	825.1
15°	649.1	667.6	673.0	696.8	712.1	726.7	744.4	764.4	777.4	789.0	801.3
17.5°	599.2	612.3	618.4	643.8	656.8	679.9	705.2	730.6	750.6	759.0	771.3
20°	567.7	574.6	586.9	595.4	609.2	636.1	663.7	694.5	724.4	732.9	745.2
22.5°	535.5	544.7	553.1	564.6	575.4	593.8	621.5	655.3	687.6	702.9	717.5
25°	506.3	515.5	520.9	533.1	543.1	561.6	580.8	615.3	653.8	666.8	689.9
27.5°	483.2	488.6	497.8	503.2	514.7	531.6	549.3	575.4	613.0	635.3	657.6
30°	460.2	464.0	471.7	479.4	487.8	499.3	519.3	544.7	579.2	598.4	620.7
32.5°	437.1	443.3	447.9	453.3	462.5	476.3	490.1	514.7	542.4	563.9	586.2
35°	417.9	420.2	426.4	432.5	438.7	450.9	465.5	489.4	513.9	530.8	550.8
37.5°	397.2	401.0	405.6	407.9	417.9	425.6	441.0	459.4	488.6	499.3	519.3
40°	381.0	380.3	384.9	388.7	393.3	405.6	414.8	434.8	457.9	474.8	487.1
42.5°	361.1	361.1	362.6	367.2	373.4	381.0	391.8	408.7	432.5	444.8	459.4
45°	344.9	342.6	343.4	346.5	350.3	358.0	368.7	383.3	407.2	417.1	432.5
47.5°	325.7	323.4	323.4	326.5	329.6	334.9	343.4	360.3	379.5	392.6	404.1
50°	304.2	305.0	304.2	306.5	308.1	313.4	322.7	336.5	354.2	364.9	378.0
52.5°	284.2	282.7	281.9	283.5	286.5	290.4	300.4	312.7	329.6	340.3	351.8
55°	259.7	261.2	261.2	261.2	265.8	267.3	275.0	287.3	304.2	312.7	323.4
57.5°	237.4	236.6	238.1	237.4	241.2	246.6	252.7	262.0	278.9	287.3	297.3
60°	212.8	213.6	214.3	214.3	217.4	222.8	229.7	238.1	252.0	260.4	269.6
62.5°	182.8	186.7	190.5	192.1	196.7	200.5	205.1	214.3	226.6	232.8	241.2
65°	154.4	159.8	165.2	169.0	172.1	175.9	182.1	190.5	200.5	206.7	215.1
67.5°	129.8	133.7	140.6	144.4	150.6	155.2	159.0	165.9	178.2	180.5	187.4
70°	112.2	113.7	116.8	119.8	126.8	130.6	135.2	142.1	151.3	156.7	160.6
72.5°	94.5	95.3	96.8	99.9	102.9	107.6	112.9	119.1	127.5	129.8	135.2
75°	75.3	79.9	79.9	82.2	84.5	86.8	91.4	97.6	102.9	106.8	109.9
77.5°	56.1	58.4	59.9	63.8	66.8	69.1	72.2	76.8	79.9	83.0	85.3
80°	43.8	44.6	45.3	45.3	46.9	49.9	53.0	56.1	59.9	61.5	63.8
82.5°	32.3	32.3	32.3	33.8	34.6	35.3	35.3	36.9	40.7	42.3	44.6
85°	20.7	20.7	20.7	20.7	21.5	22.3	23.0	23.8	23.8	23.8	25.4
87.5°	8.5	10.0	9.2	10.0	10.0	10.0	10.0	10.8	10.8	11.5	11.5
90°	12.4	11.8	11.2	10.6	10.0	9.2	8.4	7.6	6.8	6.4	5.8
92.5°	21.2	20.9	20.6	20.3	20.0	19.5	19.0	18.5	18.0	17.7	17.0
95°	35.7	35.4	35.1	34.8	34.5	33.8	33.1	32.4	31.7	31.3	30.9
97.5°	52.5	52.1	51.7	51.3	50.9	50.1	49.3	48.4	47.6	47.2	46.8
100°	70.3	70.1	69.9	69.7	69.5	68.6	67.7	66.8	65.9	65.4	65.2
102.5°	89.8	89.5	89.2	88.9	88.6	87.8	87.0	86.1	85.3	84.9	84.9
105°	109.3	109.0	108.7	108.4	108.1	107.7	107.3	106.9	106.5	106.3	106.2
107.5°	130.6	130.2	129.8	129.4	129.0	128.9	128.8	128.7	128.6	128.6	128.5
110°	150.5	150.7	150.9	151.1	151.3	151.4	151.5	151.6	151.7	151.7	151.6

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	173.5	173.5	173.5	173.5	173.5	173.7	173.9	174.1	174.3	174.4	174.4
115°	196.8	196.9	197.0	197.1	197.2	197.4	197.6	197.8	198.0	198.1	198.1
117.5°	218.7	219.0	219.3	219.6	219.9	220.0	220.1	220.2	220.3	220.3	220.3
120°	241.0	241.5	242.0	242.5	243.0	243.3	243.6	243.9	244.2	244.4	244.2
122.5°	264.5	264.8	265.1	265.4	265.7	265.8	265.9	266.0	266.1	266.2	266.1
125°	287.2	287.4	287.6	287.8	288.0	288.1	288.2	288.3	288.4	288.5	288.5
127.5°	308.6	308.8	309.0	309.2	309.4	309.6	309.8	310.0	310.2	310.3	310.1
130°	331.3	331.5	331.7	331.9	332.1	332.1	332.1	332.1	332.1	332.1	331.9
132.5°	352.6	352.8	353.0	353.2	353.4	353.5	353.6	353.7	353.8	353.9	353.8
135°	374.0	374.2	374.4	374.6	374.8	374.8	374.8	374.8	374.8	374.8	374.5
137.5°	394.5	394.8	395.1	395.4	395.7	395.5	395.3	395.1	394.9	394.8	394.6
140°	415.3	415.4	415.5	415.6	415.7	415.7	415.7	415.7	415.7	415.7	415.6
142.5°	434.7	434.7	434.7	434.7	434.7	434.8	434.9	435.0	435.1	435.2	435.1
145°	453.9	454.0	454.1	454.2	454.3	454.2	454.1	454.0	453.9	453.8	453.6
147.5°	471.6	471.7	471.8	471.9	472.0	472.1	472.2	472.3	472.4	472.4	472.2
150°	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.1
152.5°	504.5	504.2	503.9	503.6	503.3	503.2	503.1	503.0	502.9	502.9	502.8
155°	519.0	518.6	518.2	517.8	517.4	517.5	517.6	517.7	517.8	517.9	517.9
157.5°	531.8	531.5	531.2	530.9	530.6	530.6	530.6	530.6	530.6	530.6	530.7
160°	543.6	543.3	543.0	542.7	542.4	542.5	542.6	542.7	542.8	542.9	542.9
162.5°	554.8	554.2	553.6	553.0	552.4	552.5	552.6	552.7	552.8	552.8	553.0
165°	563.9	563.3	562.7	562.1	561.5	561.7	561.9	562.1	562.3	562.4	562.6
167.5°	572.1	571.5	570.9	570.3	569.7	569.7	569.7	569.7	569.7	569.7	569.9
170°	578.4	577.8	577.2	576.6	576.0	575.9	575.8	575.7	575.6	575.6	575.8
172.5°	583.4	582.7	582.0	581.3	580.6	580.6	580.6	580.6	580.6	580.6	580.8
175°	586.5	585.8	585.1	584.4	583.7	583.8	583.9	584.0	584.1	584.2	584.5
177.5°	588.8	588.1	587.4	586.7	586.0	586.0	586.0	586.0	586.0	586.0	586.3
180°	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4	587.4

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	953.4	953.4	953.4	953.4
2.5°	931.9	936.5	944.1	954.9
5°	910.3	923.4	935.7	951.8
7.5°	891.1	906.5	923.4	946.5
10°	868.9	888.1	909.6	938.0
12.5°	842.7	869.6	894.2	924.9
15°	823.5	843.5	875.0	911.1
17.5°	796.6	823.5	855.0	895.8
20°	771.3	799.7	835.1	877.3
22.5°	744.4	776.7	812.0	857.3
25°	716.8	751.3	786.7	835.1
27.5°	691.4	722.9	762.8	812.0
30°	660.7	696.8	735.2	786.7
32.5°	630.7	668.4	707.5	759.0
35°	598.4	636.1	679.1	728.3
37.5°	566.9	608.4	647.6	695.2
40°	532.4	575.4	616.1	664.5
42.5°	498.6	543.1	583.9	625.3
45°	467.1	510.9	547.7	586.9
47.5°	437.1	476.3	513.9	549.3
50°	407.9	441.0	475.5	504.7
52.5°	377.2	408.7	436.4	462.5
55°	349.5	374.1	398.7	422.5
57.5°	316.5	341.1	362.6	381.0
60°	288.9	304.2	325.0	344.2
62.5°	257.4	275.0	291.2	303.4
65°	226.6	242.0	254.3	265.0
67.5°	200.5	209.7	218.9	230.5
70°	169.0	176.7	187.4	195.9
72.5°	142.1	148.3	153.6	163.6
75°	115.2	120.6	123.7	132.9
77.5°	89.1	94.5	96.8	102.2
80°	68.4	69.1	72.2	76.8
82.5°	46.9	48.4	49.2	53.0
85°	26.9	30.7	30.0	31.5
87.5°	11.5	12.3	13.8	15.4
90°	4.7	3.6	2.5	1.4
92.5°	15.7	14.4	13.1	11.8
95°	30.0	29.1	28.2	27.3
97.5°	46.0	45.2	44.4	43.6
100°	64.8	64.4	64.0	63.6
102.5°	84.8	84.7	84.6	84.5
105°	106.1	106.0	105.9	105.8
107.5°	128.4	128.3	128.2	128.1
110°	151.4	151.2	151.0	150.8

TEST NUMBER: P1034177

CATALOG NUMBER: S124RDIW-B575D470UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	174.4	174.4	174.4	174.4
115°	198.1	198.1	198.1	198.1
117.5°	220.3	220.3	220.3	220.3
120°	243.8	243.4	243.0	242.6
122.5°	266.0	265.9	265.8	265.7
125°	288.5	288.5	288.5	288.5
127.5°	309.8	309.5	309.2	308.9
130°	331.6	331.3	331.0	330.7
132.5°	353.6	353.4	353.2	353.0
135°	373.9	373.2	372.6	372.0
137.5°	394.3	394.0	393.7	393.4
140°	415.4	415.1	414.9	414.7
142.5°	434.9	434.7	434.5	434.3
145°	453.2	452.8	452.4	452.0
147.5°	471.7	471.2	470.7	470.2
150°	487.7	487.3	486.9	486.5
152.5°	502.6	502.4	502.2	502.0
155°	517.9	517.9	517.9	517.9
157.5°	530.9	531.1	531.3	531.5
160°	543.0	543.1	543.2	543.3
162.5°	553.3	553.6	553.9	554.2
165°	562.9	563.2	563.5	563.8
167.5°	570.3	570.7	571.1	571.5
170°	576.3	576.8	577.3	577.8
172.5°	581.2	581.6	582.0	582.4
175°	585.0	585.5	586.0	586.5
177.5°	586.8	587.3	587.8	588.3
180°	587.4	587.4	587.4	587.4

(END OF REPORT)