

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: P1032341

Luminaire Tested: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032341
REPORT IS A COMBINATION OF REPORTS P994544 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B560D460UB40-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

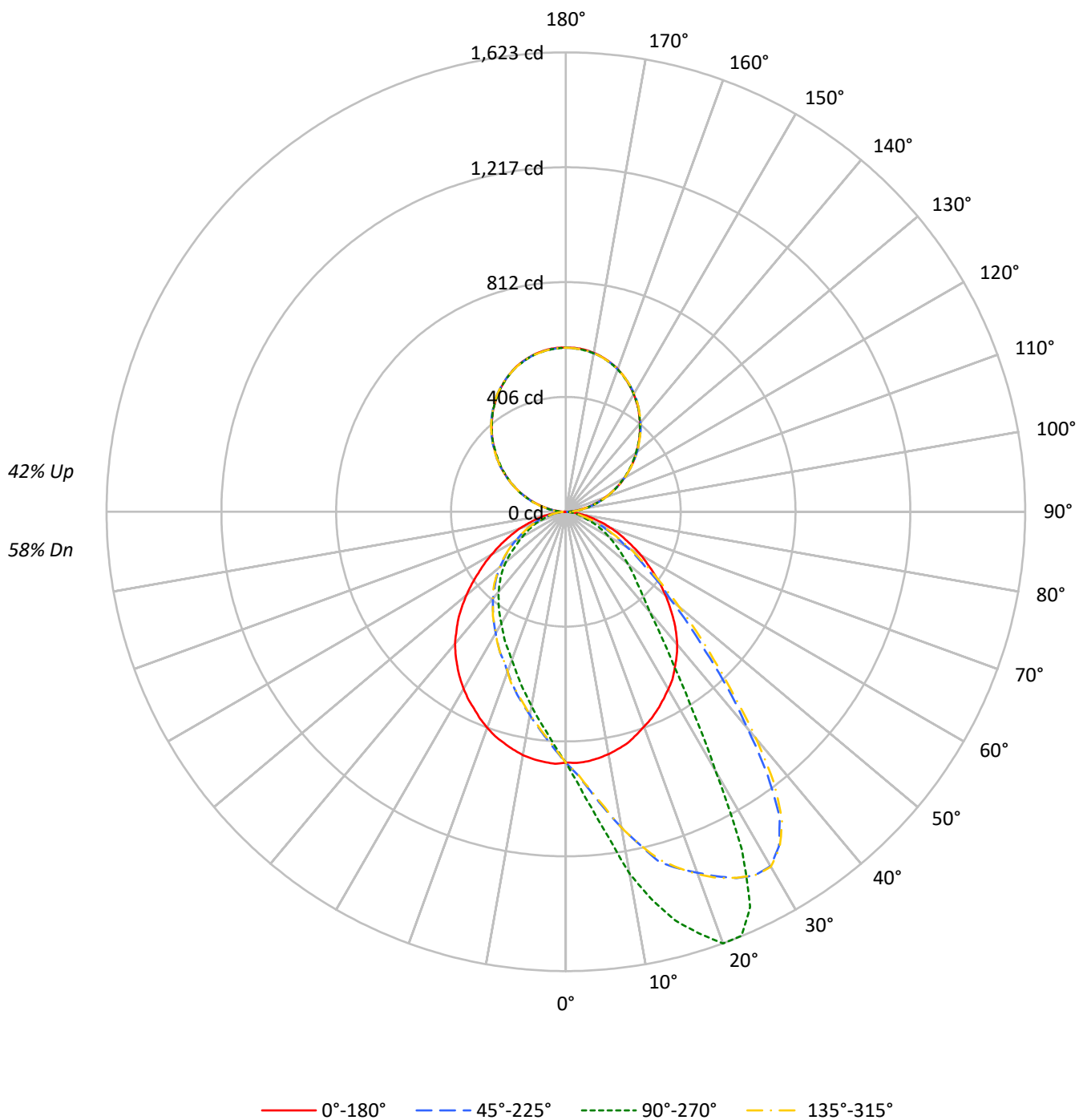
Lumens per Lamp: N/A
Luminaire Lumens: 3814.0 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	88	88	88	75	75	75	63	63	63
1	100	96	92	89	93	90	87	84	78	76	74	67	65	64	57	56	55
2	92	85	79	74	85	79	74	70	69	65	62	60	57	54	51	49	47
3	84	75	68	62	78	70	64	59	62	57	53	53	50	47	46	43	41
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	41	38	36
5	71	60	52	46	66	56	49	44	50	44	40	43	39	36	38	34	32
6	66	54	46	41	61	51	44	39	45	39	35	40	35	32	34	31	28
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	25
8	57	45	37	32	53	42	35	31	38	32	28	33	29	25	29	25	23
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	23	21
10	50	38	31	26	46	36	29	25	32	27	23	28	24	21	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9536	9536	9536	9536
5°	9544	10983	9567	8148
10°	9459	13257	9500	7117
15°	9361	15047	9361	6275
20°	9170	16230	9221	5566
25°	9029	15420	9011	5079
30°	8866	10684	8847	4603
35°	8669	6859	8629	4244
40°	8424	4844	8383	3886
45°	7997	3876	7987	3538
50°	7474	3243	7449	3131
55°	6885	2673	6831	2654
60°	6308	2209	6244	2257
65°	5630	1767	5666	1914
70°	5003	1228	5139	1547
75°	4241	911	4413	1190
80°	3377	605	3665	891
85°	2401	286	2622	554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	2.3
10°-20°	272.3	7.1
20°-30°	428.9	11.2
30°-40°	446.0	11.7
40°-50°	381.6	10.0
50°-60°	290.9	7.6
60°-70°	186.4	4.9
70°-80°	89.3	2.3
80°-90°	24.7	0.6
90°-100°	37.3	1.0
100°-110°	113.0	3.0
110°-120°	192.4	5.0
120°-130°	253.0	6.6
130°-140°	284.4	7.5
140°-150°	279.6	7.3
150°-160°	235.4	6.2
160°-170°	156.7	4.1
170°-180°	54.9	1.4
0°-30°	788.3	20.7
0°-40°	1234.3	32.4
0°-60°	1906.8	50.0
0°-90°	2207.2	57.9
90°-120°	342.7	9.0
90°-150°	1159.8	30.4
90°-180°	1607.0	42.1
0°-180°	3814.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	886	886	886	886	886	
5°	885	1052	887	780	885	84
15°	846	1495	846	624	846	238
25°	769	1540	768	507	769	354
35°	671	668	668	413	671	420
45°	538	356	538	325	538	415
55°	380	224	377	222	380	341
65°	233	129	234	140	233	233
75°	112	55	116	71	112	120
85°	25	13	27	25	25	28
90°	0	14	0	14	0	3
95°	27	36	27	36	27	30
105°	102	108	102	108	102	110
115°	194	194	194	194	194	192
125°	283	280	283	280	283	253
135°	368	367	368	367	368	283
145°	446	446	446	446	446	279
155°	511	510	511	510	511	235
165°	556	554	556	554	556	157
175°	578	576	578	576	578	55
180°	580	580	580	580	580	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	888.2	894.3	898.8	901.9	909.4	914.0	917.8	924.6	924.6	926.1	929.2
5°	885.2	898.1	907.2	919.3	935.2	942.8	953.4	962.5	975.4	982.3	989.1
7.5°	878.3	896.5	915.5	933.7	957.2	972.4	983.0	1006.5	1023.2	1043.7	1059.6
10°	869.2	894.3	918.5	946.6	978.5	1001.2	1017.1	1048.2	1080.1	1108.9	1133.2
12.5°	857.9	888.2	923.1	957.2	1002.0	1024.7	1050.5	1089.2	1134.7	1171.1	1203.7
15°	845.7	880.6	920.1	961.8	1017.9	1049.8	1086.9	1134.0	1184.8	1237.1	1281.9
17.5°	826.8	870.8	914.7	975.4	1041.4	1060.4	1092.2	1156.7	1219.7	1266.7	1321.3
20°	807.8	857.1	912.5	967.1	1038.4	1082.4	1112.0	1180.2	1247.7	1304.6	1357.0
22.5°	790.4	841.9	899.6	968.6	1035.3	1079.3	1116.5	1187.8	1265.9	1329.6	1394.1
25°	769.1	825.2	889.0	954.2	1035.3	1068.7	1109.7	1192.4	1275.0	1348.6	1428.2
27.5°	746.4	803.2	866.2	933.0	1007.3	1056.6	1096.8	1185.5	1286.4	1365.3	1447.2
30°	723.6	782.0	842.7	902.6	986.0	1033.1	1079.3	1177.2	1292.5	1382.7	1445.7
32.5°	701.6	750.9	810.8	869.2	951.9	1003.5	1055.8	1168.8	1294.8	1370.6	1400.9
35°	671.3	722.8	771.4	833.6	917.0	967.8	1029.3	1168.1	1284.9	1331.9	1316.8
37.5°	643.2	686.4	732.7	788.1	873.8	939.8	1003.5	1148.4	1252.3	1255.3	1169.6
40°	612.1	647.8	686.4	744.8	837.4	902.6	971.6	1118.0	1193.1	1148.4	997.4
42.5°	576.5	608.3	638.7	695.5	796.4	869.2	943.6	1080.1	1107.4	1004.2	847.2
45°	538.5	564.3	592.4	652.3	753.2	825.2	899.6	1021.7	993.6	848.0	698.6
47.5°	499.1	521.1	548.4	603.0	706.9	780.5	851.0	938.3	867.0	710.7	585.6
50°	459.6	477.1	503.6	559.8	659.9	726.6	791.9	848.8	748.6	609.8	483.9
52.5°	421.0	434.6	461.9	509.7	606.8	670.5	717.5	739.5	637.9	503.6	420.2
55°	380.0	395.2	413.4	461.9	558.3	605.3	636.4	635.6	530.9	427.0	347.4
57.5°	340.6	354.2	370.1	418.7	496.8	528.7	555.2	542.3	443.0	349.7	298.1
60°	305.7	313.3	330.7	371.7	430.8	458.1	473.3	451.3	361.8	295.1	246.5
62.5°	267.7	275.3	289.7	328.4	364.8	379.2	392.1	364.1	298.8	240.4	210.9
65°	232.9	242.7	251.8	282.9	302.6	320.1	318.6	295.1	233.6	195.7	171.4
67.5°	202.5	206.3	213.9	232.9	242.0	254.9	255.6	229.1	188.1	159.3	144.9
70°	169.9	173.7	179.0	188.1	194.2	197.2	195.7	172.2	141.8	124.4	111.5
72.5°	141.8	141.1	144.9	144.9	150.9	150.2	145.6	127.4	107.7	93.3	85.7
75°	111.5	112.3	113.0	111.5	109.2	106.2	102.4	88.7	75.8	69.0	62.2
77.5°	87.2	85.7	86.5	81.2	78.1	75.1	69.8	63.0	52.3	50.8	47.8
80°	62.2	61.4	60.7	58.4	51.6	48.5	44.8	41.0	38.7	37.2	36.4
82.5°	41.7	41.7	40.2	35.6	31.9	29.6	28.8	27.3	25.0	25.0	24.3
85°	25.0	24.3	22.8	18.2	15.9	15.9	15.9	15.9	14.4	14.4	13.7
87.5°	9.9	9.1	6.8	6.8	6.1	6.1	6.1	5.3	5.3	4.6	4.6
90°	0.5	1.5	2.5	3.5	4.5	5.0	5.7	7.0	8.3	9.6	10.9
92.5°	13.7	14.3	14.9	15.5	16.1	16.4	16.7	17.3	17.9	18.5	19.1
95°	26.9	27.6	28.3	29.0	29.7	30.1	30.5	31.3	32.1	32.9	33.7
97.5°	44.2	44.7	45.2	45.7	46.2	46.5	46.8	47.4	48.0	48.6	49.2
100°	62.0	62.6	63.2	63.8	64.4	64.7	65.0	65.5	66.0	66.5	67.0
102.5°	82.5	82.8	83.1	83.4	83.7	83.8	84.2	84.9	85.6	86.3	87.0
105°	102.5	102.7	102.9	103.1	103.3	103.4	103.9	104.8	105.7	106.6	107.5
107.5°	126.2	126.3	126.4	126.5	126.6	126.6	126.8	127.2	127.7	128.1	128.5
110°	148.0	148.2	148.4	148.7	148.9	149.0	149.1	149.3	149.5	149.7	149.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	170.8	170.9	171.0	171.1	171.2	171.3	171.3	171.3	171.3	171.3	171.3
115°	193.6	193.9	194.2	194.5	194.8	195.0	194.9	194.7	194.5	194.3	194.1
117.5°	216.8	216.9	217.0	217.1	217.2	217.3	217.2	217.0	216.8	216.6	216.4
120°	238.2	238.8	239.4	240.1	240.7	241.0	240.7	240.2	239.7	239.2	238.7
122.5°	260.6	261.0	261.4	261.8	262.2	262.4	262.3	262.1	261.9	261.7	261.5
125°	283.3	283.6	283.9	284.2	284.5	284.7	284.6	284.4	284.2	284.0	283.8
127.5°	304.3	304.9	305.5	306.1	306.7	307.0	306.9	306.7	306.5	306.3	306.1
130°	325.2	326.0	326.8	327.7	328.5	328.9	328.7	328.4	328.1	327.8	327.5
132.5°	346.2	347.0	347.8	348.6	349.4	349.8	349.7	349.5	349.3	349.1	348.9
135°	367.6	368.2	368.8	369.4	370.0	370.3	370.3	370.2	370.1	370.0	369.9
137.5°	387.2	387.7	388.2	388.7	389.2	389.5	389.6	389.9	390.2	390.5	390.8
140°	407.7	408.2	408.7	409.2	409.7	410.0	410.0	410.1	410.2	410.3	410.4
142.5°	426.4	426.9	427.4	427.9	428.4	428.7	428.8	429.0	429.2	429.4	429.6
145°	446.0	446.2	446.4	446.6	446.8	446.9	447.0	447.3	447.6	447.9	448.2
147.5°	462.8	463.2	463.6	464.0	464.4	464.6	464.8	465.1	465.4	465.7	466.0
150°	480.6	480.8	481.0	481.2	481.4	481.5	481.6	481.8	482.0	482.2	482.4
152.5°	495.2	495.5	495.8	496.1	496.4	496.5	496.6	496.7	496.8	496.9	497.0
155°	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.8	510.9	511.0	511.1
157.5°	523.9	523.8	523.7	523.6	523.5	523.4	523.5	523.6	523.7	523.8	523.9
160°	536.2	536.0	535.8	535.5	535.3	535.2	535.2	535.2	535.2	535.2	535.2
162.5°	547.1	546.8	546.5	546.2	545.9	545.7	545.8	545.9	546.0	546.1	546.2
165°	556.2	555.9	555.6	555.3	555.0	554.8	554.8	554.8	554.8	554.8	554.8
167.5°	563.9	563.5	563.1	562.7	562.3	562.1	562.2	562.3	562.4	562.5	562.6
170°	570.3	569.9	569.5	569.1	568.7	568.5	568.5	568.5	568.5	568.5	568.5
172.5°	575.3	574.9	574.5	574.1	573.7	573.5	573.5	573.5	573.5	573.5	573.5
175°	578.5	578.1	577.7	577.3	576.9	576.7	576.7	576.7	576.7	576.7	576.7
177.5°	580.3	579.9	579.5	579.1	578.7	578.5	578.5	578.5	578.5	578.5	578.5
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	935.2	935.2	942.1	948.9	945.1	947.4	955.7	952.7	958.7	958.0	960.3
5°	1005.8	1014.1	1020.9	1035.3	1037.6	1035.3	1049.8	1053.6	1060.4	1052.0	1055.8
7.5°	1085.4	1102.9	1119.5	1140.8	1147.6	1149.1	1156.7	1167.3	1176.4	1159.7	1168.1
10°	1162.8	1189.3	1223.5	1242.4	1259.1	1265.2	1271.2	1278.1	1288.7	1298.5	1291.0
12.5°	1246.2	1284.9	1317.5	1351.6	1372.1	1369.8	1387.3	1391.8	1400.2	1402.5	1405.5
15°	1314.5	1369.1	1389.6	1440.4	1444.9	1460.1	1479.8	1497.3	1499.5	1495.0	1495.0
17.5°	1379.7	1426.7	1463.1	1504.1	1512.4	1525.3	1550.4	1558.7	1561.7	1561.0	1561.0
20°	1432.8	1463.9	1525.3	1559.5	1573.1	1589.8	1607.3	1617.9	1620.1	1623.2	1618.6
22.5°	1467.7	1514.7	1564.8	1592.8	1604.2	1610.3	1621.7	1624.7	1620.9	1621.7	1622.4
25°	1495.0	1541.3	1571.6	1579.2	1578.4	1570.8	1562.5	1548.1	1546.6	1540.5	1528.4
27.5°	1502.6	1520.0	1516.2	1485.1	1454.0	1451.0	1400.9	1373.6	1342.5	1347.1	1329.6
30°	1461.6	1438.9	1385.0	1306.1	1273.5	1220.4	1164.3	1105.9	1083.1	1058.1	1104.4
32.5°	1361.5	1280.3	1184.8	1082.4	1027.8	980.7	920.8	878.3	854.1	833.6	873.0
35°	1210.6	1083.9	957.2	860.1	815.4	772.9	716.8	695.5	665.2	668.2	672.0
37.5°	1016.4	876.8	781.3	685.7	656.1	638.7	597.7	565.1	554.5	551.4	551.4
40°	834.3	719.8	634.9	559.8	537.0	522.6	490.0	474.8	463.4	460.4	464.2
42.5°	690.2	592.4	526.4	476.3	460.4	442.2	428.6	409.6	407.3	402.0	408.8
45°	579.5	494.5	445.2	408.8	395.2	388.4	373.2	361.8	357.3	356.5	361.8
47.5°	491.5	425.5	382.3	359.5	348.9	342.1	329.2	324.6	320.1	321.6	319.3
50°	412.6	363.3	335.3	314.8	307.9	301.1	292.8	288.2	286.0	286.0	285.2
52.5°	354.2	313.3	295.1	276.1	273.1	269.3	260.2	257.1	253.3	252.6	255.6
55°	303.4	275.3	257.1	245.8	242.7	235.1	231.3	227.5	225.3	223.8	224.5
57.5°	259.4	238.2	226.0	216.2	210.9	207.8	201.0	200.2	198.7	198.7	198.0
60°	223.0	207.8	193.4	187.3	183.6	179.8	179.0	174.5	172.2	173.7	172.9
62.5°	188.9	176.7	168.4	161.6	159.3	156.3	154.0	152.5	150.2	150.9	150.9
65°	157.8	147.9	141.8	135.8	135.0	132.0	131.2	129.7	129.7	128.9	130.5
67.5°	129.7	122.9	117.6	113.8	111.5	112.3	109.2	106.9	106.9	106.2	108.5
70°	103.2	99.4	94.1	89.5	86.5	86.5	82.7	81.9	81.9	81.9	81.2
72.5°	79.6	72.8	70.5	69.0	69.0	69.0	67.5	67.5	66.7	67.5	66.7
75°	59.2	58.4	56.9	56.1	56.1	55.4	54.6	54.6	54.6	54.6	54.6
77.5°	46.3	46.3	44.8	44.0	44.0	44.0	43.2	43.2	42.5	42.5	42.5
80°	34.1	34.1	32.6	32.6	32.6	31.9	31.9	31.9	32.6	31.9	31.9
82.5°	23.5	23.5	22.8	23.5	22.8	22.0	22.0	22.0	21.2	22.0	22.0
85°	13.7	13.7	12.9	12.1	12.9	12.9	12.1	12.9	12.1	12.9	12.1
87.5°	5.3	4.6	4.6	4.6	3.8	4.6	3.8	3.8	4.6	3.8	4.6
90°	11.3	11.7	12.2	12.6	12.8	12.9	13.1	13.3	13.5	13.7	13.5
92.5°	19.4	19.7	20.0	20.3	20.5	20.4	20.2	20.0	19.8	19.6	19.8
95°	34.1	34.5	34.9	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5
97.5°	49.7	50.2	50.7	51.2	51.5	51.4	51.3	51.2	51.1	51.0	51.1
100°	67.3	67.6	67.9	68.2	68.3	68.4	68.6	68.8	69.0	69.2	69.0
102.5°	87.3	87.6	87.9	88.2	88.4	88.3	88.2	88.1	88.0	87.9	88.0
105°	107.5	107.5	107.5	107.5	107.5	107.6	107.8	108.0	108.2	108.4	108.2
107.5°	128.8	129.1	129.4	129.7	129.8	129.8	129.7	129.6	129.5	129.4	129.5
110°	150.3	150.7	151.1	151.5	151.7	151.6	151.4	151.2	151.0	150.8	151.0

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	171.8	172.3	172.8	173.3	173.6	173.6	173.6	173.6	173.6	173.6	173.6
115°	194.2	194.3	194.4	194.5	194.5	194.5	194.4	194.3	194.2	194.1	194.2
117.5°	216.4	216.4	216.4	216.4	216.4	216.2	215.9	215.6	215.3	215.0	215.3
120°	238.6	238.5	238.4	238.3	238.2	238.1	237.9	237.7	237.5	237.3	237.5
122.5°	261.2	260.9	260.6	260.3	260.1	259.9	259.6	259.3	259.0	258.7	259.0
125°	283.4	283.0	282.6	282.2	282.0	281.8	281.4	281.0	280.6	280.2	280.6
127.5°	305.5	304.9	304.3	303.7	303.4	303.2	302.8	302.4	302.0	301.6	302.0
130°	327.1	326.7	326.3	325.9	325.7	325.3	324.6	323.9	323.2	322.5	323.2
132.5°	348.4	347.9	347.4	346.9	346.7	346.4	345.9	345.4	344.9	344.4	344.9
135°	369.5	369.1	368.7	368.3	368.1	368.0	367.8	367.6	367.4	367.2	367.4
137.5°	390.3	389.8	389.3	388.8	388.6	388.4	388.1	387.8	387.5	387.2	387.5
140°	410.3	410.2	410.1	410.0	410.0	409.6	408.9	408.2	407.5	406.8	407.5
142.5°	429.5	429.4	429.3	429.2	429.1	428.8	428.3	427.8	427.3	426.8	427.3
145°	448.1	448.0	447.9	447.8	447.8	447.6	447.2	446.8	446.4	446.0	446.4
147.5°	466.0	466.0	466.0	466.0	466.0	465.7	465.1	464.5	463.9	463.3	463.9
150°	482.4	482.4	482.4	482.4	482.4	482.1	481.5	480.9	480.3	479.7	480.3
152.5°	497.2	497.4	497.6	497.8	497.9	497.6	497.1	496.6	496.1	495.6	496.1
155°	511.5	511.9	512.3	512.7	512.9	512.5	511.8	511.1	510.4	509.7	510.4
157.5°	524.3	524.7	525.1	525.5	525.7	525.4	524.8	524.2	523.6	523.0	523.6
160°	535.7	536.2	536.7	537.2	537.5	537.3	536.9	536.5	536.1	535.7	536.1
162.5°	546.7	547.2	547.7	548.2	548.5	548.1	547.4	546.7	546.0	545.3	546.0
165°	555.4	556.0	556.7	557.3	557.6	557.2	556.5	555.8	555.1	554.4	555.1
167.5°	563.2	563.8	564.4	565.0	565.3	565.0	564.4	563.8	563.2	562.6	563.2
170°	569.2	569.9	570.6	571.3	571.7	571.3	570.6	569.9	569.2	568.5	569.2
172.5°	574.1	574.7	575.3	575.9	576.2	575.9	575.2	574.5	573.8	573.1	573.8
175°	577.3	577.9	578.5	579.1	579.4	579.0	578.3	577.6	576.9	576.2	576.9
177.5°	579.1	579.7	580.4	581.0	581.3	580.9	580.2	579.5	578.8	578.1	578.8
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	956.5	951.9	948.9	946.6	944.3	951.2	942.1	932.2	925.4	920.8	919.3
5°	1056.6	1046.7	1038.4	1031.6	1033.1	1033.1	1017.1	999.7	984.5	976.2	967.1
7.5°	1172.6	1162.0	1145.3	1141.5	1138.5	1119.5	1103.6	1071.8	1052.8	1033.8	1017.1
10°	1287.9	1274.3	1258.3	1253.0	1245.5	1221.9	1197.7	1156.7	1133.2	1098.3	1076.3
12.5°	1395.6	1378.9	1363.0	1359.2	1347.8	1327.4	1285.7	1243.2	1203.0	1165.8	1127.1
15°	1485.9	1481.3	1457.1	1441.9	1416.9	1388.8	1379.7	1322.1	1271.2	1232.6	1162.8
17.5°	1561.7	1540.5	1517.8	1507.9	1498.0	1465.4	1432.8	1373.6	1319.0	1262.1	1217.4
20°	1622.4	1598.9	1583.0	1568.6	1564.0	1526.9	1475.3	1422.9	1363.0	1299.3	1240.9
22.5°	1625.5	1622.4	1611.8	1603.5	1594.4	1570.1	1529.1	1463.9	1400.2	1330.4	1253.8
25°	1562.5	1558.0	1588.3	1580.7	1586.8	1577.7	1555.7	1501.1	1426.7	1344.8	1267.4
27.5°	1372.9	1419.1	1466.9	1483.6	1495.0	1527.6	1538.2	1507.9	1448.0	1360.7	1274.3
30°	1115.0	1176.4	1253.8	1295.5	1327.4	1388.0	1466.9	1476.8	1448.7	1378.9	1272.8
32.5°	875.3	931.4	993.6	1042.9	1085.4	1209.8	1316.0	1392.6	1406.3	1369.8	1276.5
35°	705.4	729.7	788.8	835.9	893.5	999.7	1124.9	1248.5	1331.9	1336.5	1265.2
37.5°	581.8	594.7	646.2	672.8	706.9	800.2	917.0	1078.6	1208.3	1269.7	1233.3
40°	481.6	511.2	540.8	556.0	580.2	644.7	757.0	883.6	1044.4	1158.2	1184.0
42.5°	417.9	430.8	449.8	471.0	486.2	542.3	617.4	733.5	878.3	1036.9	1108.2
45°	368.6	373.2	392.9	406.6	422.5	461.9	515.0	612.1	739.5	895.8	1017.1
47.5°	327.7	336.8	347.4	355.7	366.4	396.7	442.2	512.7	625.0	764.6	895.0
50°	291.3	296.6	310.2	314.0	321.6	342.8	377.7	431.6	524.1	635.6	770.6
52.5°	257.1	267.0	272.3	277.6	284.4	301.9	324.6	368.6	438.4	543.1	657.6
55°	230.6	233.6	241.2	245.8	251.1	263.2	282.9	315.5	370.1	453.6	562.0
57.5°	204.8	204.8	212.4	216.2	221.5	230.6	248.0	273.1	312.5	374.7	474.1
60°	177.5	178.2	184.3	188.9	190.4	199.5	213.9	233.6	264.0	309.5	390.6
62.5°	153.2	157.0	160.0	161.6	166.9	172.2	184.3	198.0	219.2	259.4	317.1
65°	132.7	133.5	135.8	137.3	139.6	145.6	154.7	163.8	182.0	211.6	258.6
67.5°	109.2	112.3	115.3	115.3	117.6	120.6	129.7	137.3	150.9	168.4	200.2
70°	81.9	83.4	88.0	90.3	93.3	98.6	103.2	107.7	118.3	131.2	155.5
72.5°	68.3	68.3	69.8	70.5	70.5	74.3	81.2	85.7	91.0	100.1	116.8
75°	54.6	54.6	56.9	56.1	57.6	59.2	59.9	63.0	66.0	72.8	82.7
77.5°	43.2	44.0	44.0	44.8	44.8	45.5	46.3	47.8	49.3	53.1	57.6
80°	31.9	32.6	32.6	33.4	33.4	34.1	34.9	35.6	37.2	38.7	41.0
82.5°	22.0	22.8	22.8	23.5	22.8	23.5	24.3	24.3	25.0	26.5	27.3
85°	12.9	12.9	13.7	12.9	12.9	12.9	13.7	13.7	14.4	16.7	16.7
87.5°	3.8	4.6	3.8	4.6	4.6	4.6	4.6	5.3	5.3	6.1	6.8
90°	13.3	13.1	12.9	12.8	12.6	12.2	11.7	11.3	10.9	9.6	8.3
92.5°	20.0	20.2	20.4	20.5	20.3	20.0	19.7	19.4	19.1	18.5	17.9
95°	35.5	35.5	35.5	35.5	35.3	34.9	34.5	34.1	33.7	32.9	32.1
97.5°	51.2	51.3	51.4	51.5	51.2	50.7	50.2	49.7	49.2	48.6	48.0
100°	68.8	68.6	68.4	68.3	68.2	67.9	67.6	67.3	67.0	66.5	66.0
102.5°	88.1	88.2	88.3	88.4	88.2	87.9	87.6	87.3	87.0	86.3	85.6
105°	108.0	107.8	107.6	107.5	107.5	107.5	107.5	107.5	107.5	106.6	105.7
107.5°	129.6	129.7	129.8	129.8	129.7	129.4	129.1	128.8	128.5	128.1	127.7
110°	151.2	151.4	151.6	151.7	151.5	151.1	150.7	150.3	149.9	149.7	149.5

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	173.6	173.6	173.6	173.6	173.3	172.8	172.3	171.8	171.3	171.3	171.3
115°	194.3	194.4	194.5	194.5	194.5	194.4	194.3	194.2	194.1	194.3	194.5
117.5°	215.6	215.9	216.2	216.4	216.4	216.4	216.4	216.4	216.4	216.6	216.8
120°	237.7	237.9	238.1	238.2	238.3	238.4	238.5	238.6	238.7	239.2	239.7
122.5°	259.3	259.6	259.9	260.1	260.3	260.6	260.9	261.2	261.5	261.7	261.9
125°	281.0	281.4	281.8	282.0	282.2	282.6	283.0	283.4	283.8	284.0	284.2
127.5°	302.4	302.8	303.2	303.4	303.7	304.3	304.9	305.5	306.1	306.3	306.5
130°	323.9	324.6	325.3	325.7	325.9	326.3	326.7	327.1	327.5	327.8	328.1
132.5°	345.4	345.9	346.4	346.7	346.9	347.4	347.9	348.4	348.9	349.1	349.3
135°	367.6	367.8	368.0	368.1	368.3	368.7	369.1	369.5	369.9	370.0	370.1
137.5°	387.8	388.1	388.4	388.6	388.8	389.3	389.8	390.3	390.8	390.5	390.2
140°	408.2	408.9	409.6	410.0	410.0	410.1	410.2	410.3	410.4	410.3	410.2
142.5°	427.8	428.3	428.8	429.1	429.2	429.3	429.4	429.5	429.6	429.4	429.2
145°	446.8	447.2	447.6	447.8	447.8	447.9	448.0	448.1	448.2	447.9	447.6
147.5°	464.5	465.1	465.7	466.0	466.0	466.0	466.0	466.0	466.0	465.7	465.4
150°	480.9	481.5	482.1	482.4	482.4	482.4	482.4	482.4	482.4	482.2	482.0
152.5°	496.6	497.1	497.6	497.9	497.8	497.6	497.4	497.2	497.0	496.9	496.8
155°	511.1	511.8	512.5	512.9	512.7	512.3	511.9	511.5	511.1	511.0	510.9
157.5°	524.2	524.8	525.4	525.7	525.5	525.1	524.7	524.3	523.9	523.8	523.7
160°	536.5	536.9	537.3	537.5	537.2	536.7	536.2	535.7	535.2	535.2	535.2
162.5°	546.7	547.4	548.1	548.5	548.2	547.7	547.2	546.7	546.2	546.1	546.0
165°	555.8	556.5	557.2	557.6	557.3	556.7	556.0	555.4	554.8	554.8	554.8
167.5°	563.8	564.4	565.0	565.3	565.0	564.4	563.8	563.2	562.6	562.5	562.4
170°	569.9	570.6	571.3	571.7	571.3	570.6	569.9	569.2	568.5	568.5	568.5
172.5°	574.5	575.2	575.9	576.2	575.9	575.3	574.7	574.1	573.5	573.5	573.5
175°	577.6	578.3	579.0	579.4	579.1	578.5	577.9	577.3	576.7	576.7	576.7
177.5°	579.5	580.2	580.9	581.3	581.0	580.4	579.7	579.1	578.5	578.5	578.5
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	917.0	913.2	909.4	909.4	901.1	893.5	889.7	891.2	886.7	880.6	874.5
5°	957.2	942.1	939.0	930.7	919.3	903.4	895.0	887.4	878.3	866.2	854.8
7.5°	994.4	974.7	964.0	955.7	933.7	911.7	893.5	881.4	865.4	847.2	833.6
10°	1042.9	1006.5	995.1	976.2	945.1	914.0	892.8	873.0	851.0	829.8	811.6
12.5°	1081.6	1039.9	1018.7	999.7	959.5	920.1	884.4	860.1	833.6	810.1	786.6
15°	1125.6	1078.6	1041.4	1018.7	967.8	920.1	879.9	845.7	816.1	787.3	766.8
17.5°	1146.8	1087.7	1071.0	1038.4	964.8	917.0	867.7	831.3	795.7	762.3	738.0
20°	1180.2	1111.2	1069.5	1047.5	982.3	911.7	854.1	812.3	775.2	739.5	713.7
22.5°	1182.5	1107.4	1080.1	1038.4	958.0	895.8	841.9	791.1	747.9	714.5	688.0
25°	1177.2	1100.6	1062.7	1029.3	962.5	886.7	817.7	767.6	725.1	686.4	655.3
27.5°	1174.9	1080.9	1045.2	1011.8	936.7	860.1	803.2	746.4	697.8	663.7	631.8
30°	1171.9	1059.6	1016.4	977.7	908.7	839.7	771.4	722.1	675.8	632.6	600.7
32.5°	1152.2	1030.8	986.8	945.8	871.5	802.5	748.6	696.3	646.2	606.0	577.2
35°	1146.1	1004.2	946.6	902.6	829.8	768.4	711.5	668.2	621.2	581.0	546.9
37.5°	1128.6	976.9	914.7	858.6	782.8	724.4	682.6	639.4	593.9	550.7	523.4
40°	1098.3	945.1	874.5	816.9	738.8	679.6	640.9	609.1	564.3	525.6	492.3
42.5°	1053.6	912.5	836.6	775.9	689.5	634.1	602.2	571.9	534.0	493.8	466.5
45°	1002.0	869.2	798.7	731.2	643.2	589.4	556.0	537.8	502.9	468.8	436.9
47.5°	931.4	824.5	754.7	684.9	595.4	543.1	516.5	498.3	474.1	436.9	411.1
50°	842.7	766.8	700.9	638.7	548.4	498.3	471.8	458.1	437.7	411.1	386.1
52.5°	744.1	700.1	645.5	587.8	500.6	453.6	429.3	418.7	403.5	378.5	357.3
55°	644.7	625.8	588.6	531.7	450.5	411.9	390.6	377.0	365.6	347.4	329.2
57.5°	556.0	546.9	521.1	477.1	408.8	368.6	350.4	341.3	332.2	318.6	300.4
60°	464.2	474.1	447.5	425.5	363.3	328.4	312.5	302.6	298.1	286.0	274.6
62.5°	384.6	393.7	378.5	361.8	317.8	286.7	276.9	267.7	264.7	254.1	242.7
65°	312.5	323.9	312.5	303.4	276.9	251.1	238.9	234.4	231.3	224.5	215.4
67.5°	248.8	260.2	254.9	243.5	235.1	213.9	207.1	202.5	201.0	195.7	188.1
70°	187.3	203.3	204.8	198.0	190.4	180.5	176.0	174.5	170.7	166.1	161.6
72.5°	135.0	153.2	154.0	154.0	149.4	149.4	144.9	142.6	142.6	138.0	132.7
75°	99.4	111.5	113.0	114.5	116.8	119.1	116.0	116.0	115.3	110.7	108.5
77.5°	66.0	76.6	80.4	85.7	88.7	88.7	90.3	91.8	90.3	88.0	86.5
80°	42.5	50.1	54.6	57.6	62.2	64.5	66.7	67.5	66.0	65.2	63.0
82.5°	28.1	30.3	32.6	36.4	41.7	45.5	45.5	44.8	46.3	45.5	44.8
85°	15.9	17.4	18.2	19.0	22.0	25.8	26.5	27.3	28.8	27.3	25.8
87.5°	6.1	6.8	6.8	6.8	8.3	9.1	11.4	14.4	13.7	12.1	12.1
90°	7.0	5.7	5.0	4.5	3.5	2.5	1.5	0.5	1.5	2.5	3.5
92.5°	17.3	16.7	16.4	16.1	15.5	14.9	14.3	13.7	14.3	14.9	15.5
95°	31.3	30.5	30.1	29.7	29.0	28.3	27.6	26.9	27.6	28.3	29.0
97.5°	47.4	46.8	46.5	46.2	45.7	45.2	44.7	44.2	44.7	45.2	45.7
100°	65.5	65.0	64.7	64.4	63.8	63.2	62.6	62.0	62.6	63.2	63.8
102.5°	84.9	84.2	83.8	83.7	83.4	83.1	82.8	82.5	82.8	83.1	83.4
105°	104.8	103.9	103.4	103.3	103.1	102.9	102.7	102.5	102.7	102.9	103.1
107.5°	127.2	126.8	126.6	126.6	126.5	126.4	126.3	126.2	126.3	126.4	126.5
110°	149.3	149.1	149.0	148.9	148.7	148.4	148.2	148.0	148.2	148.4	148.7

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	171.3	171.3	171.3	171.2	171.1	171.0	170.9	170.8	170.9	171.0	171.1
115°	194.7	194.9	195.0	194.8	194.5	194.2	193.9	193.6	193.9	194.2	194.5
117.5°	217.0	217.2	217.3	217.2	217.1	217.0	216.9	216.8	216.9	217.0	217.1
120°	240.2	240.7	241.0	240.7	240.1	239.4	238.8	238.2	238.8	239.4	240.1
122.5°	262.1	262.3	262.4	262.2	261.8	261.4	261.0	260.6	261.0	261.4	261.8
125°	284.4	284.6	284.7	284.5	284.2	283.9	283.6	283.3	283.6	283.9	284.2
127.5°	306.7	306.9	307.0	306.7	306.1	305.5	304.9	304.3	304.9	305.5	306.1
130°	328.4	328.7	328.9	328.5	327.7	326.8	326.0	325.2	326.0	326.8	327.7
132.5°	349.5	349.7	349.8	349.4	348.6	347.8	347.0	346.2	347.0	347.8	348.6
135°	370.2	370.3	370.3	370.0	369.4	368.8	368.2	367.6	368.2	368.8	369.4
137.5°	389.9	389.6	389.5	389.2	388.7	388.2	387.7	387.2	387.7	388.2	388.7
140°	410.1	410.0	410.0	409.7	409.2	408.7	408.2	407.7	408.2	408.7	409.2
142.5°	429.0	428.8	428.7	428.4	427.9	427.4	426.9	426.4	426.9	427.4	427.9
145°	447.3	447.0	446.9	446.8	446.6	446.4	446.2	446.0	446.2	446.4	446.6
147.5°	465.1	464.8	464.6	464.4	464.0	463.6	463.2	462.8	463.2	463.6	464.0
150°	481.8	481.6	481.5	481.4	481.2	481.0	480.8	480.6	480.8	481.0	481.2
152.5°	496.7	496.6	496.5	496.4	496.1	495.8	495.5	495.2	495.5	495.8	496.1
155°	510.8	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7
157.5°	523.6	523.5	523.4	523.5	523.6	523.7	523.8	523.9	523.8	523.7	523.6
160°	535.2	535.2	535.2	535.3	535.5	535.8	536.0	536.2	536.0	535.8	535.5
162.5°	545.9	545.8	545.7	545.9	546.2	546.5	546.8	547.1	546.8	546.5	546.2
165°	554.8	554.8	554.8	555.0	555.3	555.6	555.9	556.2	555.9	555.6	555.3
167.5°	562.3	562.2	562.1	562.3	562.7	563.1	563.5	563.9	563.5	563.1	562.7
170°	568.5	568.5	568.5	568.7	569.1	569.5	569.9	570.3	569.9	569.5	569.1
172.5°	573.5	573.5	573.5	573.7	574.1	574.5	574.9	575.3	574.9	574.5	574.1
175°	576.7	576.7	576.7	576.9	577.3	577.7	578.1	578.5	578.1	577.7	577.3
177.5°	578.5	578.5	578.5	578.7	579.1	579.5	579.9	580.3	579.9	579.5	579.1
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	874.5	870.8	869.2	865.4	856.3	850.3	843.4	838.9	839.7	835.9	838.1
5°	847.2	846.5	841.2	833.6	820.7	813.9	801.7	795.7	792.6	793.4	788.8
7.5°	824.5	817.7	813.9	801.7	789.6	775.2	765.3	760.0	755.5	750.9	747.9
10°	798.7	792.6	786.6	773.7	757.0	743.3	729.7	724.4	717.5	714.5	712.2
12.5°	771.4	767.6	760.0	744.8	725.9	713.0	697.1	694.0	684.9	678.9	677.3
15°	746.4	744.1	730.4	713.0	694.0	681.1	667.5	658.4	643.2	646.2	640.9
17.5°	719.8	710.0	701.6	678.1	669.0	649.3	633.3	628.8	618.2	611.3	604.5
20°	690.2	684.2	673.5	658.4	636.4	613.6	601.5	593.9	587.8	577.2	574.2
22.5°	662.2	654.6	645.5	625.8	606.8	587.8	571.1	564.3	556.7	549.2	544.6
25°	640.2	628.8	618.9	594.7	575.7	559.8	549.2	537.8	527.2	522.6	521.1
27.5°	606.0	599.2	589.4	566.6	549.2	531.7	521.8	514.3	502.9	497.6	493.0
30°	584.0	570.4	559.0	540.8	523.4	504.4	495.3	486.2	479.4	472.5	467.2
32.5°	554.5	543.8	534.7	516.5	499.1	481.6	471.8	458.1	454.3	449.0	443.0
35°	525.6	518.8	509.0	489.2	470.3	458.1	447.5	434.6	430.1	426.3	421.0
37.5°	498.3	488.5	481.6	462.7	446.0	431.6	423.2	412.6	409.6	405.0	401.2
40°	474.8	465.0	458.1	439.2	421.7	406.6	401.2	390.6	386.1	380.8	378.5
42.5°	448.3	439.9	430.8	417.2	399.0	383.8	373.2	367.1	361.0	358.8	354.2
45°	420.2	412.6	405.8	390.6	371.7	361.0	351.9	343.6	339.0	335.3	332.2
47.5°	395.9	389.1	380.0	363.3	348.1	338.3	329.2	320.8	316.3	311.7	307.9
50°	367.9	364.1	354.2	338.3	323.9	312.5	304.2	296.6	293.5	288.2	282.2
52.5°	342.8	336.0	327.7	314.8	301.9	288.2	276.9	272.3	267.0	264.0	258.6
55°	313.3	308.7	299.6	288.2	274.6	263.2	254.9	248.8	242.0	238.9	232.1
57.5°	288.2	279.9	275.3	260.9	248.0	236.7	230.6	224.5	216.9	212.4	209.3
60°	260.9	253.3	246.5	234.4	225.3	213.1	204.0	198.7	193.4	187.3	184.3
62.5°	234.4	228.3	220.0	210.1	198.7	188.9	182.0	174.5	171.4	165.4	163.1
65°	205.6	201.0	194.2	182.8	173.7	165.4	158.5	152.5	149.4	147.1	145.6
67.5°	179.8	173.7	169.1	159.3	149.4	142.6	138.8	135.0	131.2	128.9	126.7
70°	153.2	148.7	144.1	135.0	128.2	122.1	119.1	116.0	113.8	111.5	109.2
72.5°	125.9	123.6	119.1	113.0	107.7	103.2	100.9	97.1	94.8	91.0	89.5
75°	103.9	100.1	97.8	92.5	88.0	84.2	81.2	76.6	73.6	72.1	71.3
77.5°	81.9	80.4	77.4	72.8	70.5	66.7	62.2	60.7	59.2	59.2	58.4
80°	61.4	59.2	56.9	53.1	50.8	47.8	47.8	47.8	47.0	47.8	47.0
82.5°	41.7	40.2	38.7	36.4	35.6	35.6	36.4	36.4	36.4	36.4	36.4
85°	24.3	24.3	24.3	25.0	24.3	24.3	25.0	25.8	25.0	25.0	24.3
87.5°	11.4	11.4	12.1	12.1	12.9	12.9	12.9	12.9	12.9	12.9	13.7
90°	4.5	5.0	5.7	7.0	8.3	9.6	10.9	11.3	11.7	12.2	12.6
92.5°	16.1	16.4	16.7	17.3	17.9	18.5	19.1	19.4	19.7	20.0	20.3
95°	29.7	30.1	30.5	31.3	32.1	32.9	33.7	34.1	34.5	34.9	35.3
97.5°	46.2	46.5	46.8	47.4	48.0	48.6	49.2	49.7	50.2	50.7	51.2
100°	64.4	64.7	65.0	65.5	66.0	66.5	67.0	67.3	67.6	67.9	68.2
102.5°	83.7	83.8	84.2	84.9	85.6	86.3	87.0	87.3	87.6	87.9	88.2
105°	103.3	103.4	103.9	104.8	105.7	106.6	107.5	107.5	107.5	107.5	107.5
107.5°	126.6	126.6	126.8	127.2	127.7	128.1	128.5	128.8	129.1	129.4	129.7
110°	148.9	149.0	149.1	149.3	149.5	149.7	149.9	150.3	150.7	151.1	151.5

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	171.2	171.3	171.3	171.3	171.3	171.3	171.3	171.8	172.3	172.8	173.3
115°	194.8	195.0	194.9	194.7	194.5	194.3	194.1	194.2	194.3	194.4	194.5
117.5°	217.2	217.3	217.2	217.0	216.8	216.6	216.4	216.4	216.4	216.4	216.4
120°	240.7	241.0	240.7	240.2	239.7	239.2	238.7	238.6	238.5	238.4	238.3
122.5°	262.2	262.4	262.3	262.1	261.9	261.7	261.5	261.2	260.9	260.6	260.3
125°	284.5	284.7	284.6	284.4	284.2	284.0	283.8	283.4	283.0	282.6	282.2
127.5°	306.7	307.0	306.9	306.7	306.5	306.3	306.1	305.5	304.9	304.3	303.7
130°	328.5	328.9	328.7	328.4	328.1	327.8	327.5	327.1	326.7	326.3	325.9
132.5°	349.4	349.8	349.7	349.5	349.3	349.1	348.9	348.4	347.9	347.4	346.9
135°	370.0	370.3	370.3	370.2	370.1	370.0	369.9	369.5	369.1	368.7	368.3
137.5°	389.2	389.5	389.6	389.9	390.2	390.5	390.8	390.3	389.8	389.3	388.8
140°	409.7	410.0	410.0	410.1	410.2	410.3	410.4	410.3	410.2	410.1	410.0
142.5°	428.4	428.7	428.8	429.0	429.2	429.4	429.6	429.5	429.4	429.3	429.2
145°	446.8	446.9	447.0	447.3	447.6	447.9	448.2	448.1	448.0	447.9	447.8
147.5°	464.4	464.6	464.8	465.1	465.4	465.7	466.0	466.0	466.0	466.0	466.0
150°	481.4	481.5	481.6	481.8	482.0	482.2	482.4	482.4	482.4	482.4	482.4
152.5°	496.4	496.5	496.6	496.7	496.8	496.9	497.0	497.2	497.4	497.6	497.8
155°	510.7	510.7	510.7	510.8	510.9	511.0	511.1	511.5	511.9	512.3	512.7
157.5°	523.5	523.4	523.5	523.6	523.7	523.8	523.9	524.3	524.7	525.1	525.5
160°	535.3	535.2	535.2	535.2	535.2	535.2	535.2	535.7	536.2	536.7	537.2
162.5°	545.9	545.7	545.8	545.9	546.0	546.1	546.2	546.7	547.2	547.7	548.2
165°	555.0	554.8	554.8	554.8	554.8	554.8	554.8	555.4	556.0	556.7	557.3
167.5°	562.3	562.1	562.2	562.3	562.4	562.5	562.6	563.2	563.8	564.4	565.0
170°	568.7	568.5	568.5	568.5	568.5	568.5	568.5	569.2	569.9	570.6	571.3
172.5°	573.7	573.5	573.5	573.5	573.5	573.5	573.5	574.1	574.7	575.3	575.9
175°	576.9	576.7	576.7	576.7	576.7	576.7	576.7	577.3	577.9	578.5	579.1
177.5°	578.7	578.5	578.5	578.5	578.5	578.5	578.5	579.1	579.7	580.4	581.0
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	837.4	838.1	835.9	831.3	830.6	832.1	836.6	835.1	831.3	838.1	832.1
5°	791.1	787.3	785.8	787.3	782.8	780.5	785.0	782.8	785.0	785.8	788.1
7.5°	746.4	747.1	742.6	743.3	737.3	738.8	738.8	738.8	741.1	742.6	745.6
10°	707.7	709.2	703.9	704.6	700.1	697.1	699.3	703.9	703.9	703.9	705.4
12.5°	676.6	669.8	666.0	665.2	659.9	658.4	662.9	664.4	668.2	668.2	670.5
15°	637.9	636.4	633.3	633.3	620.5	623.5	625.0	630.3	637.9	631.8	633.3
17.5°	603.0	599.2	595.4	593.9	592.4	587.8	593.9	593.1	597.7	598.5	600.7
20°	571.9	568.9	561.3	562.0	563.6	556.7	560.5	560.5	565.1	569.6	574.9
22.5°	541.6	538.5	534.7	536.3	531.7	530.2	530.2	534.0	539.3	543.1	542.3
25°	518.1	512.7	510.5	508.2	505.9	507.4	505.2	509.0	512.7	515.0	512.7
27.5°	491.5	489.2	484.7	482.4	478.6	480.1	481.6	484.7	487.0	487.0	489.2
30°	465.7	462.7	461.2	458.9	458.9	455.9	456.6	459.6	461.9	464.2	467.2
32.5°	440.7	438.4	436.1	436.1	434.6	433.9	433.1	437.7	437.7	442.2	442.2
35°	420.2	416.4	416.4	412.6	414.1	413.4	411.9	414.9	415.7	418.7	417.9
37.5°	397.5	397.5	395.9	392.1	389.1	389.9	393.7	393.7	395.9	395.2	397.5
40°	374.7	373.2	373.2	370.9	370.1	369.4	370.1	370.9	374.7	373.9	374.7
42.5°	351.9	352.7	348.9	348.9	348.9	346.6	347.4	348.1	349.7	351.2	353.5
45°	329.9	328.4	327.7	326.2	324.6	325.4	324.6	327.7	326.9	328.4	330.7
47.5°	306.4	304.2	303.4	300.4	300.4	301.9	301.1	303.4	304.2	306.4	304.9
50°	283.7	280.6	278.4	279.1	274.6	276.1	276.1	278.4	280.6	281.4	282.9
52.5°	257.1	256.4	255.6	251.8	251.1	250.3	251.1	251.8	254.9	257.1	257.9
55°	231.3	230.6	226.0	224.5	222.2	222.2	223.8	224.5	229.8	230.6	233.6
57.5°	207.8	205.6	200.2	199.5	199.5	199.5	197.2	200.2	201.8	205.6	205.6
60°	182.0	182.0	177.5	177.5	178.2	177.5	177.5	178.2	178.2	181.3	182.8
62.5°	161.6	160.8	160.8	159.3	158.5	159.3	158.5	158.5	159.3	161.6	163.8
65°	143.4	142.6	141.8	141.1	139.6	139.6	140.3	141.8	141.8	143.4	144.1
67.5°	125.9	125.9	124.4	124.4	123.6	122.9	123.6	122.9	125.9	125.9	126.7
70°	108.5	107.7	105.4	104.7	102.4	103.2	103.2	105.4	106.2	107.7	109.2
72.5°	87.2	87.2	85.7	84.2	85.0	83.4	83.4	84.2	84.2	86.5	87.2
75°	72.1	70.5	69.8	70.5	69.8	71.3	69.8	69.8	71.3	71.3	71.3
77.5°	59.2	59.2	58.4	58.4	59.2	58.4	59.2	59.2	59.2	58.4	59.2
80°	48.5	47.8	47.8	47.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0
82.5°	36.4	36.4	35.6	36.4	36.4	35.6	36.4	35.6	35.6	36.4	36.4
85°	24.3	25.8	24.3	24.3	25.0	25.0	25.8	25.0	25.8	24.3	25.0
87.5°	12.9	13.7	13.7	12.9	12.9	13.7	13.7	13.7	14.4	12.9	13.7
90°	12.8	12.9	13.1	13.3	13.5	13.7	13.5	13.3	13.1	12.9	12.8
92.5°	20.5	20.4	20.2	20.0	19.8	19.6	19.8	20.0	20.2	20.4	20.5
95°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
97.5°	51.5	51.4	51.3	51.2	51.1	51.0	51.1	51.2	51.3	51.4	51.5
100°	68.3	68.4	68.6	68.8	69.0	69.2	69.0	68.8	68.6	68.4	68.3
102.5°	88.4	88.3	88.2	88.1	88.0	87.9	88.0	88.1	88.2	88.3	88.4
105°	107.5	107.6	107.8	108.0	108.2	108.4	108.2	108.0	107.8	107.6	107.5
107.5°	129.8	129.8	129.7	129.6	129.5	129.4	129.5	129.6	129.7	129.8	129.8
110°	151.7	151.6	151.4	151.2	151.0	150.8	151.0	151.2	151.4	151.6	151.7

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6
115°	194.5	194.5	194.4	194.3	194.2	194.1	194.2	194.3	194.4	194.5	194.5
117.5°	216.4	216.2	215.9	215.6	215.3	215.0	215.3	215.6	215.9	216.2	216.4
120°	238.2	238.1	237.9	237.7	237.5	237.3	237.5	237.7	237.9	238.1	238.2
122.5°	260.1	259.9	259.6	259.3	259.0	258.7	259.0	259.3	259.6	259.9	260.1
125°	282.0	281.8	281.4	281.0	280.6	280.2	280.6	281.0	281.4	281.8	282.0
127.5°	303.4	303.2	302.8	302.4	302.0	301.6	302.0	302.4	302.8	303.2	303.4
130°	325.7	325.3	324.6	323.9	323.2	322.5	323.2	323.9	324.6	325.3	325.7
132.5°	346.7	346.4	345.9	345.4	344.9	344.4	344.9	345.4	345.9	346.4	346.7
135°	368.1	368.0	367.8	367.6	367.4	367.2	367.4	367.6	367.8	368.0	368.1
137.5°	388.6	388.4	388.1	387.8	387.5	387.2	387.5	387.8	388.1	388.4	388.6
140°	410.0	409.6	408.9	408.2	407.5	406.8	407.5	408.2	408.9	409.6	410.0
142.5°	429.1	428.8	428.3	427.8	427.3	426.8	427.3	427.8	428.3	428.8	429.1
145°	447.8	447.6	447.2	446.8	446.4	446.0	446.4	446.8	447.2	447.6	447.8
147.5°	466.0	465.7	465.1	464.5	463.9	463.3	463.9	464.5	465.1	465.7	466.0
150°	482.4	482.1	481.5	480.9	480.3	479.7	480.3	480.9	481.5	482.1	482.4
152.5°	497.9	497.6	497.1	496.6	496.1	495.6	496.1	496.6	497.1	497.6	497.9
155°	512.9	512.5	511.8	511.1	510.4	509.7	510.4	511.1	511.8	512.5	512.9
157.5°	525.7	525.4	524.8	524.2	523.6	523.0	523.6	524.2	524.8	525.4	525.7
160°	537.5	537.3	536.9	536.5	536.1	535.7	536.1	536.5	536.9	537.3	537.5
162.5°	548.5	548.1	547.4	546.7	546.0	545.3	546.0	546.7	547.4	548.1	548.5
165°	557.6	557.2	556.5	555.8	555.1	554.4	555.1	555.8	556.5	557.2	557.6
167.5°	565.3	565.0	564.4	563.8	563.2	562.6	563.2	563.8	564.4	565.0	565.3
170°	571.7	571.3	570.6	569.9	569.2	568.5	569.2	569.9	570.6	571.3	571.7
172.5°	576.2	575.9	575.2	574.5	573.8	573.1	573.8	574.5	575.2	575.9	576.2
175°	579.4	579.0	578.3	577.6	576.9	576.2	576.9	577.6	578.3	579.0	579.4
177.5°	581.3	580.9	580.2	579.5	578.8	578.1	578.8	579.5	580.2	580.9	581.3
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9	885.9
2.5°	838.1	841.2	838.1	832.1	838.1	841.9	845.7	851.8	854.8	854.8	859.4
5°	790.4	796.4	794.1	792.6	798.7	802.5	808.6	816.1	824.5	829.8	835.9
7.5°	747.9	751.7	755.5	755.5	761.5	769.9	779.0	788.1	798.7	806.3	810.8
10°	710.7	713.7	716.0	719.1	728.2	737.3	749.4	760.8	769.9	778.2	785.8
12.5°	675.1	679.6	684.9	687.2	694.0	705.4	716.8	730.4	744.8	753.2	760.8
15°	640.9	643.2	649.3	656.1	662.2	674.3	688.7	703.1	715.3	728.2	735.0
17.5°	606.0	606.8	622.7	618.9	638.7	650.0	657.6	671.3	691.0	701.6	712.2
20°	571.9	579.5	586.3	590.1	600.7	613.6	635.6	646.2	662.2	672.0	681.1
22.5°	545.4	556.7	556.7	565.8	571.1	583.3	599.2	619.7	637.1	644.0	656.9
25°	521.8	527.2	536.3	539.3	549.2	559.8	570.4	592.4	611.3	620.5	629.6
27.5°	491.5	498.3	510.5	510.5	523.4	534.7	547.6	562.0	581.0	593.9	603.8
30°	468.0	474.8	480.1	488.5	493.8	504.4	527.2	537.8	554.5	565.8	578.0
32.5°	446.0	451.3	455.9	465.0	471.0	483.2	495.3	514.3	528.7	539.3	552.2
35°	421.7	427.0	433.1	439.9	449.0	460.4	471.8	487.7	502.1	512.0	522.6
37.5°	399.0	402.8	411.9	416.4	424.0	434.6	449.0	465.7	478.6	486.2	496.8
40°	377.0	380.0	386.8	395.2	400.5	408.8	424.0	438.4	454.3	463.4	471.8
42.5°	353.5	357.3	363.3	371.7	380.0	389.1	397.5	414.1	428.6	436.1	445.2
45°	333.0	335.3	339.8	348.1	356.5	363.3	376.2	391.4	405.0	411.1	421.0
47.5°	308.7	311.0	317.8	321.6	330.7	339.8	352.7	367.9	380.0	386.1	395.2
50°	283.7	286.0	290.5	298.8	304.9	314.8	326.2	339.0	354.2	362.6	367.9
52.5°	259.4	264.0	267.7	274.6	282.2	292.0	302.6	314.8	327.7	336.0	342.1
55°	235.1	238.9	243.5	247.3	256.4	265.5	277.6	289.0	300.4	307.9	314.8
57.5°	207.8	213.1	217.7	225.3	232.1	239.7	253.3	262.4	276.1	281.4	287.5
60°	184.3	189.6	193.4	199.5	205.6	215.4	224.5	235.9	247.3	254.1	261.7
62.5°	164.6	166.9	169.1	175.2	181.3	190.4	199.5	210.9	223.0	226.8	232.9
65°	144.9	147.1	150.9	156.3	160.8	166.1	176.0	185.1	196.5	202.5	204.8
67.5°	128.2	130.5	131.2	135.0	138.8	144.9	150.2	159.3	169.9	173.7	178.2
70°	109.2	113.0	113.8	116.8	118.3	122.1	128.2	135.0	143.4	150.2	154.0
72.5°	87.2	92.5	94.1	98.6	100.9	104.7	109.2	114.5	119.8	122.9	125.9
75°	71.3	72.8	73.6	77.4	81.2	86.5	88.7	91.8	96.3	100.1	103.2
77.5°	59.2	59.9	60.7	60.7	61.4	64.5	69.0	72.8	75.8	77.4	79.6
80°	47.8	47.0	47.0	47.8	47.8	47.8	49.3	54.6	56.1	59.9	59.2
82.5°	37.2	35.6	36.4	35.6	35.6	35.6	35.6	36.4	36.4	38.7	40.2
85°	24.3	25.0	24.3	24.3	23.5	24.3	23.5	23.5	22.8	22.8	22.0
87.5°	12.9	13.7	12.9	12.9	12.1	12.9	12.1	12.1	11.4	11.4	9.9
90°	12.6	12.2	11.7	11.3	10.9	9.6	8.3	7.0	5.7	5.0	4.5
92.5°	20.3	20.0	19.7	19.4	19.1	18.5	17.9	17.3	16.7	16.4	16.1
95°	35.3	34.9	34.5	34.1	33.7	32.9	32.1	31.3	30.5	30.1	29.7
97.5°	51.2	50.7	50.2	49.7	49.2	48.6	48.0	47.4	46.8	46.5	46.2
100°	68.2	67.9	67.6	67.3	67.0	66.5	66.0	65.5	65.0	64.7	64.4
102.5°	88.2	87.9	87.6	87.3	87.0	86.3	85.6	84.9	84.2	83.8	83.7
105°	107.5	107.5	107.5	107.5	107.5	106.6	105.7	104.8	103.9	103.4	103.3
107.5°	129.7	129.4	129.1	128.8	128.5	128.1	127.7	127.2	126.8	126.6	126.6
110°	151.5	151.1	150.7	150.3	149.9	149.7	149.5	149.3	149.1	149.0	148.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	173.3	172.8	172.3	171.8	171.3	171.3	171.3	171.3	171.3	171.3	171.2
115°	194.5	194.4	194.3	194.2	194.1	194.3	194.5	194.7	194.9	195.0	194.8
117.5°	216.4	216.4	216.4	216.4	216.4	216.6	216.8	217.0	217.2	217.3	217.2
120°	238.3	238.4	238.5	238.6	238.7	239.2	239.7	240.2	240.7	241.0	240.7
122.5°	260.3	260.6	260.9	261.2	261.5	261.7	261.9	262.1	262.3	262.4	262.2
125°	282.2	282.6	283.0	283.4	283.8	284.0	284.2	284.4	284.6	284.7	284.5
127.5°	303.7	304.3	304.9	305.5	306.1	306.3	306.5	306.7	306.9	307.0	306.7
130°	325.9	326.3	326.7	327.1	327.5	327.8	328.1	328.4	328.7	328.9	328.5
132.5°	346.9	347.4	347.9	348.4	348.9	349.1	349.3	349.5	349.7	349.8	349.4
135°	368.3	368.7	369.1	369.5	369.9	370.0	370.1	370.2	370.3	370.3	370.0
137.5°	388.8	389.3	389.8	390.3	390.8	390.5	390.2	389.9	389.6	389.5	389.2
140°	410.0	410.1	410.2	410.3	410.4	410.3	410.2	410.1	410.0	410.0	409.7
142.5°	429.2	429.3	429.4	429.5	429.6	429.4	429.2	429.0	428.8	428.7	428.4
145°	447.8	447.9	448.0	448.1	448.2	447.9	447.6	447.3	447.0	446.9	446.8
147.5°	466.0	466.0	466.0	466.0	466.0	465.7	465.4	465.1	464.8	464.6	464.4
150°	482.4	482.4	482.4	482.4	482.4	482.2	482.0	481.8	481.6	481.5	481.4
152.5°	497.8	497.6	497.4	497.2	497.0	496.9	496.8	496.7	496.6	496.5	496.4
155°	512.7	512.3	511.9	511.5	511.1	511.0	510.9	510.8	510.7	510.7	510.7
157.5°	525.5	525.1	524.7	524.3	523.9	523.8	523.7	523.6	523.5	523.4	523.5
160°	537.2	536.7	536.2	535.7	535.2	535.2	535.2	535.2	535.2	535.2	535.3
162.5°	548.2	547.7	547.2	546.7	546.2	546.1	546.0	545.9	545.8	545.7	545.9
165°	557.3	556.7	556.0	555.4	554.8	554.8	554.8	554.8	554.8	554.8	555.0
167.5°	565.0	564.4	563.8	563.2	562.6	562.5	562.4	562.3	562.2	562.1	562.3
170°	571.3	570.6	569.9	569.2	568.5	568.5	568.5	568.5	568.5	568.5	568.7
172.5°	575.9	575.3	574.7	574.1	573.5	573.5	573.5	573.5	573.5	573.5	573.7
175°	579.1	578.5	577.9	577.3	576.7	576.7	576.7	576.7	576.7	576.7	576.9
177.5°	581.0	580.4	579.7	579.1	578.5	578.5	578.5	578.5	578.5	578.5	578.7
180°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	885.9	885.9	885.9	885.9
2.5°	863.2	868.5	879.1	888.2
5°	845.0	853.3	869.2	885.2
7.5°	823.0	835.9	856.3	878.3
10°	801.7	818.4	843.4	869.2
12.5°	780.5	797.9	824.5	857.9
15°	755.5	773.7	805.5	845.7
17.5°	733.5	757.7	786.6	826.8
20°	710.0	728.2	765.3	807.8
22.5°	680.4	710.7	745.6	790.4
25°	656.9	683.4	718.3	769.1
27.5°	628.0	659.1	701.6	746.4
30°	604.5	630.3	669.8	723.6
32.5°	577.2	607.6	648.5	701.6
35°	552.9	578.7	617.4	671.3
37.5°	524.1	552.2	595.4	643.2
40°	499.1	526.4	567.4	612.1
42.5°	468.8	497.6	538.5	576.5
45°	444.5	471.0	503.6	538.5
47.5°	414.9	443.0	474.8	499.1
50°	388.4	414.1	439.2	459.6
52.5°	359.5	383.0	405.8	421.0
55°	333.0	351.2	369.4	380.0
57.5°	301.9	319.3	334.5	340.6
60°	274.6	289.0	298.8	305.7
62.5°	245.8	256.4	264.0	267.7
65°	217.7	225.3	229.1	232.9
67.5°	188.9	195.7	198.0	202.5
70°	158.5	166.1	167.6	169.9
72.5°	135.8	135.8	138.8	141.8
75°	108.5	110.0	111.5	111.5
77.5°	85.0	85.0	86.5	87.2
80°	62.2	63.0	63.0	62.2
82.5°	42.5	44.0	42.5	41.7
85°	23.5	26.5	25.0	25.0
87.5°	9.9	9.9	11.4	9.9
90°	3.5	2.5	1.5	0.5
92.5°	15.5	14.9	14.3	13.7
95°	29.0	28.3	27.6	26.9
97.5°	45.7	45.2	44.7	44.2
100°	63.8	63.2	62.6	62.0
102.5°	83.4	83.1	82.8	82.5
105°	103.1	102.9	102.7	102.5
107.5°	126.5	126.4	126.3	126.2
110°	148.7	148.4	148.2	148.0

TEST NUMBER: P1032341

CATALOG NUMBER: S123RDIW-B560D460UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	171.1	171.0	170.9	170.8
115°	194.5	194.2	193.9	193.6
117.5°	217.1	217.0	216.9	216.8
120°	240.1	239.4	238.8	238.2
122.5°	261.8	261.4	261.0	260.6
125°	284.2	283.9	283.6	283.3
127.5°	306.1	305.5	304.9	304.3
130°	327.7	326.8	326.0	325.2
132.5°	348.6	347.8	347.0	346.2
135°	369.4	368.8	368.2	367.6
137.5°	388.7	388.2	387.7	387.2
140°	409.2	408.7	408.2	407.7
142.5°	427.9	427.4	426.9	426.4
145°	446.6	446.4	446.2	446.0
147.5°	464.0	463.6	463.2	462.8
150°	481.2	481.0	480.8	480.6
152.5°	496.1	495.8	495.5	495.2
155°	510.7	510.7	510.7	510.7
157.5°	523.6	523.7	523.8	523.9
160°	535.5	535.8	536.0	536.2
162.5°	546.2	546.5	546.8	547.1
165°	555.3	555.6	555.9	556.2
167.5°	562.7	563.1	563.5	563.9
170°	569.1	569.5	569.9	570.3
172.5°	574.1	574.5	574.9	575.3
175°	577.3	577.7	578.1	578.5
177.5°	579.1	579.5	579.9	580.3
180°	579.9	579.9	579.9	579.9

(END OF REPORT)