

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: P1012648

Luminaire Tested: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012648
REPORT IS A COMBINATION OF REPORTS P993457 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B560D585UB30-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

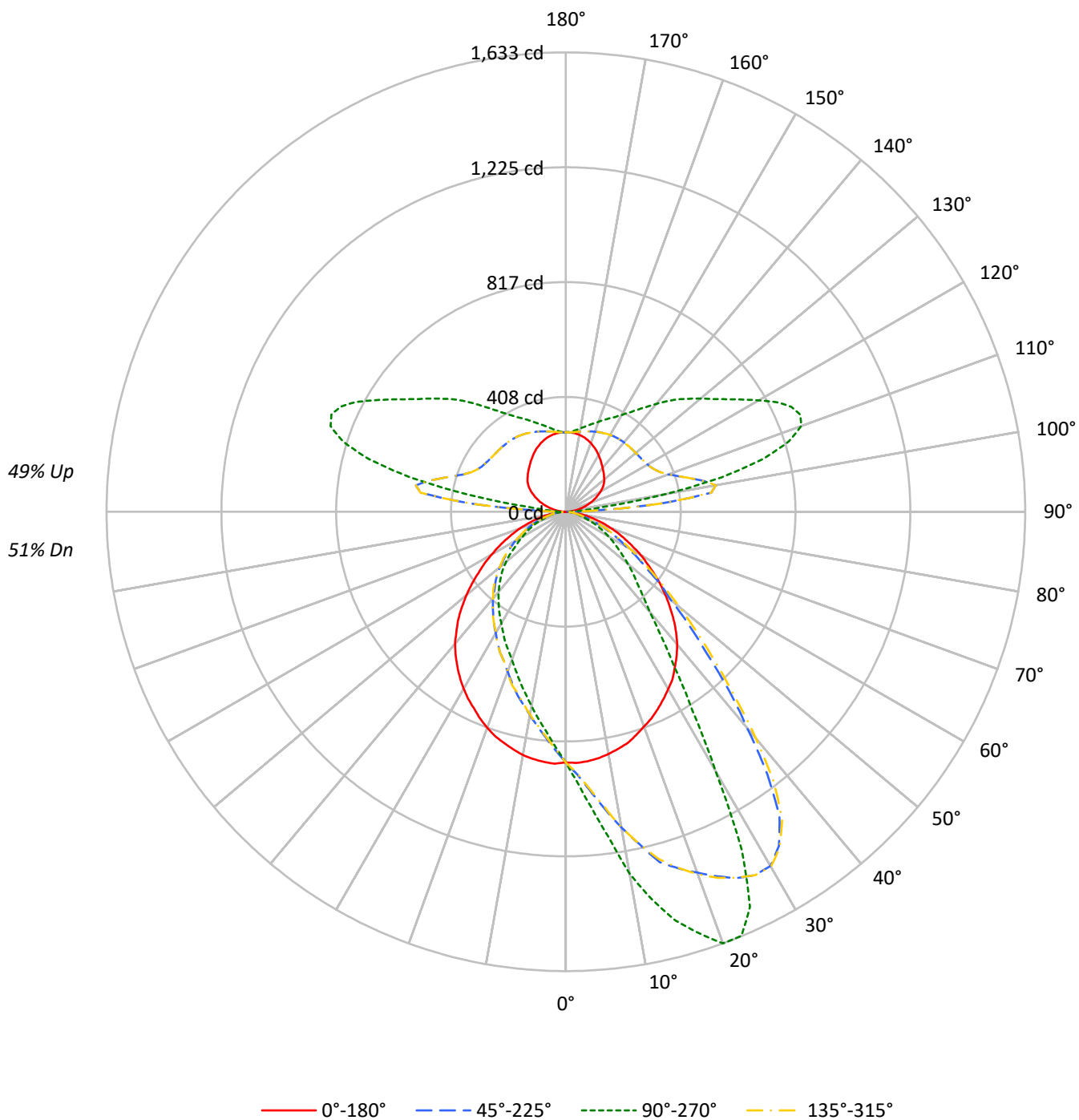
Lumens per Lamp: N/A
Luminaire Lumens: 4344.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
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

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	57	57	51
1	99	95	91	88	91	88	84	82	75	72	70	63	61	59	51	50	49	49	49	44
2	90	83	77	73	83	77	72	68	66	62	59	56	53	51	46	44	43	43	43	38
3	83	74	67	61	76	69	62	57	59	54	50	50	46	44	41	39	37	37	37	33
4	76	66	58	52	70	61	54	49	53	47	43	45	41	38	37	35	32	32	32	29
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	28	28	28	25
6	65	53	45	39	60	49	42	37	43	37	33	37	32	29	31	28	25	25	25	23
7	60	48	40	35	55	45	38	33	39	34	30	33	29	26	28	25	23	23	23	20
8	56	44	36	31	51	41	34	29	36	30	26	31	27	23	26	23	20	20	20	18
9	52	40	33	28	48	37	31	26	33	27	24	28	24	21	24	21	19	19	19	16
10	49	37	30	25	45	34	28	24	30	25	21	26	22	19	22	19	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9592	9592	9592	9592
5°	9600	11047	9625	8196
10°	9515	13336	9557	7159
15°	9417	15136	9417	6313
20°	9224	16325	9275	5599
25°	9082	15511	9064	5109
30°	8918	10746	8899	4630
35°	8720	6900	8681	4268
40°	8474	4872	8432	3909
45°	8045	3899	8033	3559
50°	7519	3261	7493	3149
55°	6925	2688	6871	2669
60°	6345	2222	6281	2270
65°	5661	1778	5700	1925
70°	5033	1235	5168	1556
75°	4268	916	4439	1196
80°	3399	607	3686	897
85°	2421	288	2641	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12806 cd/sqm

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.0
10°-20°	274.0	6.3
20°-30°	431.5	9.9
30°-40°	448.7	10.3
40°-50°	383.8	8.8
50°-60°	292.6	6.7
60°-70°	187.5	4.3
70°-80°	89.8	2.1
80°-90°	25.2	0.6
90°-100°	153.2	3.5
100°-110°	448.5	10.3
110°-120°	437.9	10.1
120°-130°	348.8	8.0
130°-140°	275.2	6.3
140°-150°	205.3	4.7
150°-160°	143.1	3.3
160°-170°	84.1	1.9
170°-180°	27.3	0.6
0°-30°	792.9	18.3
0°-40°	1241.6	28.6
0°-60°	1918.1	44.2
0°-90°	2220.6	51.1
90°-120°	1039.6	23.9
90°-150°	1868.9	43.0
90°-180°	2123.0	48.9
0°-180°	4344.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	891	891	891	891	891	
5°	890	1058	893	785	890	84
15°	851	1504	851	627	851	239
25°	774	1550	772	510	774	356
35°	675	672	672	416	675	423
45°	542	359	541	327	542	417
55°	382	225	379	224	382	343
65°	234	130	236	140	234	234
75°	112	55	117	72	112	121
85°	25	13	28	25	25	28
90°	1	17	1	17	1	3
95°	19	66	19	66	19	21
105°	66	727	66	727	66	70
115°	117	884	117	884	117	116
125°	163	697	163	697	163	145
135°	191	565	191	565	191	147
145°	218	442	218	442	218	136
155°	247	366	247	366	247	114
165°	270	319	270	319	270	76
175°	282	287	282	287	282	27
180°	282	282	282	282	282	

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	893.4	899.5	904.1	907.2	914.8	919.4	923.2	930.1	930.1	931.6	934.6
5°	890.4	903.4	912.5	924.7	940.7	948.4	959.0	968.2	981.2	988.0	994.9
7.5°	883.5	901.8	920.9	939.2	962.9	978.1	988.8	1012.5	1029.2	1049.8	1065.9
10°	874.4	899.5	924.0	952.2	984.2	1007.1	1023.1	1054.4	1086.5	1115.5	1139.9
12.5°	862.9	893.4	928.5	962.9	1007.9	1030.8	1056.7	1095.6	1141.4	1178.0	1210.8
15°	850.7	885.8	925.5	967.4	1023.9	1055.9	1093.3	1140.6	1191.8	1244.4	1289.4
17.5°	831.6	875.9	920.1	981.2	1047.6	1066.6	1098.7	1163.5	1226.9	1274.2	1329.1
20°	812.6	862.2	917.8	972.8	1044.5	1088.8	1118.5	1187.2	1255.1	1312.3	1364.9
22.5°	795.0	846.9	904.9	974.3	1041.4	1085.7	1123.1	1194.8	1273.4	1337.5	1402.3
25°	773.6	830.1	894.2	959.8	1041.4	1075.0	1116.2	1199.4	1282.5	1356.6	1436.7
27.5°	750.8	808.0	871.3	938.4	1013.2	1062.8	1103.2	1192.5	1294.0	1373.3	1455.7
30°	727.9	786.6	847.7	907.9	991.9	1039.2	1085.7	1184.1	1300.1	1390.9	1454.2
32.5°	705.7	755.3	815.6	874.4	957.5	1009.4	1062.0	1175.7	1302.4	1378.7	1409.2
35°	675.2	727.1	775.9	838.5	922.4	973.5	1035.3	1175.0	1292.5	1339.8	1324.5
37.5°	647.0	690.5	737.0	792.7	878.9	945.3	1009.4	1155.1	1259.7	1262.7	1176.5
40°	615.7	651.6	690.5	749.2	842.3	907.9	977.4	1124.6	1200.1	1155.1	1003.3
42.5°	579.9	611.9	642.4	699.6	801.1	874.4	949.1	1086.5	1113.9	1010.2	852.2
45°	541.7	567.6	595.9	656.2	757.6	830.1	904.9	1027.7	999.5	853.0	702.7
47.5°	502.0	524.2	551.6	606.6	711.1	785.1	856.0	943.8	872.1	714.9	589.0
50°	462.4	479.9	506.6	563.1	663.8	730.9	796.5	853.8	753.0	613.4	486.8
52.5°	423.4	437.2	464.6	512.7	610.4	674.5	721.8	743.9	641.7	506.6	422.7
55°	382.2	397.5	415.8	464.6	561.5	608.8	640.1	639.4	534.1	429.6	349.4
57.5°	342.6	356.3	372.3	421.2	499.7	531.8	558.5	545.5	445.6	351.7	299.8
60°	307.5	315.1	332.7	373.9	433.4	460.8	476.1	454.0	363.9	296.8	248.0
62.5°	269.3	277.0	291.5	330.4	367.0	381.5	394.5	366.2	300.6	241.9	212.1
65°	234.2	244.1	253.3	284.6	304.4	322.0	320.4	296.8	235.0	196.8	172.4
67.5°	203.7	207.5	215.2	234.2	243.4	256.4	257.1	230.4	189.2	160.2	145.7
70°	170.9	174.7	180.1	189.2	195.3	198.4	196.8	173.2	142.7	125.1	112.2
72.5°	142.7	141.9	145.7	145.7	151.8	151.1	146.5	128.2	108.3	93.8	86.2
75°	112.2	112.9	113.7	112.2	109.9	106.8	103.0	89.3	76.3	69.4	62.6
77.5°	87.7	86.2	87.0	81.6	78.6	75.5	70.2	63.3	52.6	51.1	48.1
80°	62.6	61.8	61.0	58.7	51.9	48.8	45.0	41.2	38.9	37.4	36.6
82.5°	42.0	42.0	40.4	35.9	32.0	29.8	29.0	27.5	25.2	25.2	24.4
85°	25.2	24.4	22.9	18.3	16.0	16.0	16.0	16.0	14.5	14.5	13.7
87.5°	9.9	9.2	6.9	6.9	6.1	6.1	6.1	5.3	5.3	4.6	4.6
90°	1.1	2.3	3.4	5.1	6.3	6.8	7.4	9.1	10.9	12.6	14.3
92.5°	8.6	12.6	18.3	23.4	29.1	34.2	39.4	57.7	88.0	117.7	106.3
95°	19.4	21.1	27.4	37.1	52.0	63.2	74.3	122.9	208.0	301.7	338.9
97.5°	30.9	31.4	36.6	45.1	60.0	72.3	84.6	132.6	231.4	389.2	521.2
100°	42.3	42.9	46.9	54.9	68.6	79.8	90.9	130.9	215.4	365.7	541.2
102.5°	54.3	55.4	58.9	66.3	78.3	88.3	98.3	133.1	201.7	331.4	504.0
105°	66.3	68.0	71.4	78.3	89.1	98.0	106.9	137.7	196.6	304.6	459.4
107.5°	78.9	80.6	84.0	90.9	101.1	109.4	117.7	145.1	195.4	285.2	420.0
110°	92.6	94.3	97.1	103.4	113.1	121.1	129.1	154.9	198.3	274.9	387.4

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.1	106.9	109.7	116.0	125.7	133.4	141.1	164.6	204.0	269.1	365.7
115°	117.1	119.4	122.9	128.6	138.3	146.0	153.7	175.4	210.3	268.6	351.4
117.5°	129.1	132.0	134.9	140.0	150.9	158.0	165.1	186.9	218.3	269.1	341.7
120°	141.7	143.4	146.3	152.0	162.9	170.0	177.1	197.7	227.4	271.4	335.4
122.5°	152.6	154.3	157.1	163.4	173.7	181.4	189.1	209.1	236.0	275.4	331.4
125°	162.9	164.0	167.4	173.7	184.6	192.3	200.0	220.0	245.1	279.4	328.0
127.5°	170.9	172.6	176.6	182.9	194.9	202.6	210.3	229.7	252.6	284.0	326.3
130°	178.3	180.0	185.1	192.0	204.0	211.7	219.4	238.3	260.0	288.6	324.6
132.5°	184.0	186.3	192.0	200.6	212.6	220.0	227.4	245.7	266.9	292.0	324.0
135°	190.9	193.1	199.4	208.0	220.0	227.7	235.4	253.1	272.6	295.4	323.4
137.5°	197.1	199.4	205.7	214.9	226.9	234.0	241.1	258.3	277.2	297.7	322.3
140°	203.4	206.3	212.0	221.1	232.6	239.8	246.9	263.4	280.6	300.0	321.7
142.5°	210.3	212.6	218.9	226.9	238.3	244.8	251.4	267.4	284.0	301.7	320.6
145°	217.7	219.4	224.6	233.1	242.9	249.4	256.0	270.9	286.3	302.3	319.4
147.5°	225.1	226.3	231.4	238.9	248.6	254.3	260.0	273.7	288.0	302.3	317.7
150°	232.6	233.1	237.7	245.1	253.1	258.2	263.4	276.6	288.6	302.3	315.4
152.5°	240.0	240.0	244.6	250.9	257.7	262.5	267.4	278.3	289.7	300.6	312.6
155°	247.4	247.4	250.9	256.6	262.9	266.9	270.9	280.6	289.7	299.4	309.2
157.5°	253.1	253.7	256.6	261.7	267.4	270.5	273.7	281.7	290.3	297.7	306.3
160°	260.0	260.0	262.3	266.9	270.9	273.8	276.6	283.4	290.3	296.6	302.9
162.5°	265.1	265.1	266.9	270.3	273.7	276.0	278.3	284.0	289.7	294.3	299.4
165°	270.3	269.7	270.9	273.7	276.0	278.0	280.0	284.6	288.6	292.0	296.0
167.5°	274.3	273.7	274.3	276.6	278.3	279.8	281.2	284.6	288.0	289.7	292.6
170°	277.7	276.6	277.2	278.9	280.0	280.6	281.2	284.0	286.3	287.4	289.2
172.5°	280.0	279.4	279.4	280.6	281.2	281.4	281.7	284.0	285.7	285.7	286.3
175°	281.7	281.2	280.6	281.7	281.7	282.0	282.3	283.4	284.6	284.0	284.0
177.5°	282.9	282.3	281.7	282.3	282.3	282.3	282.3	282.9	284.0	282.9	282.3
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	940.7	940.7	947.6	954.5	950.7	952.9	961.3	958.3	964.4	963.6	965.9
5°	1011.7	1020.1	1027.0	1041.4	1043.7	1041.4	1055.9	1059.8	1066.6	1058.2	1062.0
7.5°	1091.8	1109.4	1126.1	1147.5	1154.4	1155.9	1163.5	1174.2	1183.4	1166.6	1175.0
10°	1169.6	1196.3	1230.7	1249.7	1266.5	1272.6	1278.7	1285.6	1296.3	1306.2	1298.6
12.5°	1253.6	1292.5	1325.3	1359.6	1380.2	1377.9	1395.5	1400.0	1408.4	1410.7	1413.8
15°	1322.2	1377.2	1397.8	1448.9	1453.5	1468.7	1488.5	1506.1	1508.4	1503.8	1503.8
17.5°	1387.8	1435.1	1471.8	1513.0	1521.4	1534.3	1559.5	1567.9	1570.9	1570.2	1570.2
20°	1441.2	1472.5	1534.3	1568.7	1582.4	1599.2	1616.7	1627.4	1629.7	1632.7	1628.2
22.5°	1476.3	1523.6	1574.0	1602.2	1613.7	1619.8	1631.2	1634.3	1630.5	1631.2	1632.0
25°	1503.8	1550.3	1580.9	1588.5	1587.7	1580.1	1571.7	1557.2	1555.7	1549.6	1537.4
27.5°	1511.4	1529.0	1525.2	1493.9	1462.6	1459.6	1409.2	1381.7	1350.5	1355.0	1337.5
30°	1470.2	1447.3	1393.2	1313.8	1281.0	1227.6	1171.2	1112.4	1089.5	1064.3	1110.9
32.5°	1369.5	1287.9	1191.8	1088.8	1033.8	986.5	926.2	883.5	859.1	838.5	878.2
35°	1217.7	1090.3	962.9	865.2	820.2	777.5	721.0	699.6	669.1	672.2	676.0
37.5°	1022.4	882.0	785.9	689.7	660.0	642.4	601.2	568.4	557.7	554.7	554.7
40°	839.3	724.1	638.6	563.1	540.2	525.7	492.9	477.6	466.2	463.1	466.9
42.5°	694.3	595.9	529.5	479.1	463.1	444.8	431.1	412.0	409.7	404.4	411.2
45°	582.9	497.5	447.9	411.2	397.5	390.6	375.4	363.9	359.4	358.6	363.9
47.5°	494.4	428.0	384.5	361.6	351.0	344.1	331.1	326.5	322.0	323.5	321.2
50°	415.1	365.5	337.2	316.6	309.8	302.9	294.5	289.9	287.6	287.6	286.9
52.5°	356.3	315.1	296.8	277.7	274.7	270.9	261.7	258.6	254.8	254.1	257.1
55°	305.2	277.0	258.6	247.2	244.1	236.5	232.7	228.9	226.6	225.1	225.8
57.5°	260.9	239.6	227.4	217.4	212.1	209.1	202.2	201.4	199.9	199.9	199.1
60°	224.3	209.1	194.6	188.5	184.6	180.8	180.1	175.5	173.2	174.7	174.0
62.5°	190.0	177.8	169.4	162.5	160.2	157.2	154.9	153.4	151.1	151.8	151.8
65°	158.7	148.8	142.7	136.6	135.8	132.8	132.0	130.5	130.5	129.7	131.2
67.5°	130.5	123.6	118.3	114.4	112.2	112.9	109.9	107.6	107.6	106.8	109.1
70°	103.8	99.9	94.6	90.0	87.0	87.0	83.2	82.4	82.4	82.4	81.6
72.5°	80.1	73.2	71.0	69.4	69.4	69.4	67.9	67.9	67.1	67.9	67.1
75°	59.5	58.7	57.2	56.5	56.5	55.7	54.9	54.9	54.9	54.9	54.9
77.5°	46.5	46.5	45.0	44.3	44.3	44.3	43.5	43.5	42.7	42.7	42.7
80°	34.3	34.3	32.8	32.8	32.8	32.0	32.0	32.0	32.8	32.0	32.0
82.5°	23.7	23.7	22.9	23.7	22.9	22.1	22.1	22.1	21.4	22.1	22.1
85°	13.7	13.7	13.0	12.2	13.0	13.0	12.2	13.0	12.2	13.0	12.2
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°	13.7	14.3	14.9	15.4	16.0	16.6	16.0	16.6	17.1	16.6	17.1
92.5°	79.4	56.6	44.0	38.3	36.3	34.3	33.1	30.9	31.4	30.3	31.4
95°	274.9	205.7	139.4	109.1	98.8	88.6	77.7	72.6	68.6	66.3	68.6
97.5°	538.9	472.6	356.6	281.2	248.6	216.0	177.7	156.0	142.3	136.0	142.3
100°	653.7	673.7	627.4	560.6	520.0	479.4	421.7	380.0	357.7	358.3	357.7
102.5°	659.4	740.6	750.3	718.3	696.3	674.3	632.6	601.7	584.0	567.4	584.0
105°	623.4	742.9	800.0	810.9	803.4	796.0	769.7	748.0	729.7	726.9	729.7
107.5°	572.0	708.6	798.3	842.9	850.6	858.3	854.9	844.6	837.2	830.9	837.2
110°	524.0	654.9	760.0	832.0	852.0	872.0	888.0	892.6	891.5	890.3	891.5

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	482.3	601.7	709.7	792.6	819.8	846.9	879.5	896.0	901.7	902.3	901.7
115°	450.3	556.0	655.4	739.4	770.6	801.7	844.6	869.7	881.2	884.0	881.2
117.5°	429.2	520.6	608.6	685.7	718.0	750.3	794.9	822.9	840.0	844.0	840.0
120°	413.2	493.7	570.9	639.4	668.3	697.2	742.3	774.3	788.0	791.4	788.0
122.5°	400.0	472.6	540.6	602.9	629.2	655.4	694.3	722.3	737.7	742.3	737.7
125°	389.2	454.3	516.6	571.4	594.3	617.2	653.7	678.9	693.2	697.2	693.2
127.5°	378.9	437.7	494.3	544.6	565.8	586.9	620.0	641.7	654.9	658.3	654.9
130°	370.9	422.3	473.7	520.0	539.4	558.9	589.2	609.7	621.7	626.3	621.7
132.5°	363.4	408.0	454.3	496.6	514.9	533.2	561.2	581.7	592.0	594.9	592.0
135°	357.2	395.4	436.0	473.2	489.4	505.7	533.7	550.9	561.2	565.2	561.2
137.5°	351.4	383.4	417.7	450.9	465.4	480.0	504.0	521.7	530.3	533.7	530.3
140°	346.3	373.2	402.3	429.7	442.0	454.3	476.0	492.0	501.2	500.6	501.2
142.5°	341.7	363.4	387.4	410.3	420.6	430.9	448.6	462.3	470.3	469.7	470.3
145°	337.7	356.0	374.9	393.2	401.4	409.7	424.0	436.0	440.6	441.7	440.6
147.5°	333.7	349.7	365.2	380.6	386.6	392.6	404.0	412.6	417.2	417.7	417.2
150°	329.7	342.9	356.0	368.0	373.4	378.9	387.4	393.7	397.2	397.2	397.2
152.5°	325.2	336.6	347.4	357.7	362.0	366.3	372.6	378.3	380.0	380.0	380.0
155°	320.6	330.3	339.4	348.0	351.4	354.9	360.0	364.6	365.7	366.3	365.7
157.5°	315.4	323.4	331.4	338.3	341.2	344.0	348.6	352.0	353.2	353.2	353.2
160°	310.3	317.7	324.0	329.7	331.7	333.7	337.7	341.2	341.2	340.6	341.2
162.5°	305.2	310.9	316.0	321.2	322.9	324.6	326.9	329.7	329.7	329.2	329.7
165°	300.6	305.2	308.6	312.6	314.0	315.4	317.7	320.0	319.4	319.4	319.4
167.5°	296.0	300.0	302.9	305.2	306.3	307.4	308.6	310.3	309.7	309.7	309.7
170°	292.0	294.9	296.6	298.9	299.4	300.0	300.6	301.7	301.2	301.2	301.2
172.5°	288.0	290.3	291.4	293.2	293.4	293.7	293.7	294.9	293.7	293.2	293.7
175°	285.2	286.3	286.9	288.0	288.0	288.0	288.0	288.6	288.0	287.4	288.0
177.5°	282.9	283.4	284.0	284.6	284.6	284.6	284.0	284.6	283.4	283.4	283.4
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	962.1	957.5	954.5	952.2	949.9	956.8	947.6	937.7	930.8	926.2	924.7
5°	1062.8	1052.9	1044.5	1037.6	1039.2	1039.2	1023.1	1005.6	990.3	981.9	972.8
7.5°	1179.5	1168.9	1152.1	1148.3	1145.2	1126.1	1110.1	1078.1	1059.0	1039.9	1023.1
10°	1295.5	1281.8	1265.8	1260.4	1252.8	1229.1	1204.7	1163.5	1139.9	1104.8	1082.6
12.5°	1403.9	1387.1	1371.1	1367.2	1355.8	1335.2	1293.2	1250.5	1210.1	1172.7	1133.8
15°	1494.7	1490.1	1465.7	1450.4	1425.2	1397.0	1387.8	1329.9	1278.7	1239.8	1169.6
17.5°	1570.9	1549.6	1526.7	1516.8	1506.9	1474.1	1441.2	1381.7	1326.8	1269.6	1224.6
20°	1632.0	1608.3	1592.3	1577.8	1573.2	1535.9	1484.0	1431.3	1371.1	1307.0	1248.2
22.5°	1635.0	1632.0	1621.3	1612.9	1603.8	1579.3	1538.1	1472.5	1408.4	1338.2	1261.2
25°	1571.7	1567.1	1597.7	1590.0	1596.1	1587.0	1564.8	1509.9	1435.1	1352.7	1274.9
27.5°	1381.0	1427.5	1475.6	1492.4	1503.8	1536.6	1547.3	1516.8	1456.5	1368.8	1281.8
30°	1121.6	1183.4	1261.2	1303.1	1335.2	1396.2	1475.6	1485.5	1457.3	1387.1	1280.3
32.5°	880.5	936.9	999.5	1049.1	1091.8	1216.9	1323.7	1400.8	1414.5	1377.9	1284.1
35°	709.6	734.0	793.5	840.8	898.8	1005.6	1131.5	1255.8	1339.8	1344.3	1272.6
37.5°	585.2	598.2	650.0	676.8	711.1	804.9	922.4	1084.9	1215.4	1277.2	1240.6
40°	484.5	514.2	544.0	559.3	583.7	648.5	761.4	888.9	1050.6	1165.0	1191.0
42.5°	420.4	433.4	452.4	473.8	489.1	545.5	621.1	737.8	883.5	1043.0	1114.7
45°	370.8	375.4	395.2	409.0	425.0	464.6	518.1	615.7	743.9	901.1	1023.1
47.5°	329.6	338.8	349.4	357.8	368.5	399.0	444.8	515.8	628.7	769.1	900.3
50°	293.0	298.3	312.1	315.9	323.5	344.9	380.0	434.1	527.2	639.4	775.2
52.5°	258.6	268.6	273.9	279.2	286.1	303.7	326.5	370.8	441.0	546.3	661.5
55°	231.9	235.0	242.6	247.2	252.5	264.7	284.6	317.4	372.3	456.3	565.4
57.5°	206.0	206.0	213.6	217.4	222.8	231.9	249.5	274.7	314.3	376.9	476.9
60°	178.5	179.3	185.4	190.0	191.5	200.7	215.2	235.0	265.5	311.3	392.9
62.5°	154.1	157.9	161.0	162.5	167.9	173.2	185.4	199.1	220.5	260.9	318.9
65°	133.5	134.3	136.6	138.1	140.4	146.5	155.6	164.8	183.1	212.9	260.2
67.5°	109.9	112.9	116.0	116.0	118.3	121.3	130.5	138.1	151.8	169.4	201.4
70°	82.4	83.9	88.5	90.8	93.8	99.2	103.8	108.3	119.0	132.0	156.4
72.5°	68.7	68.7	70.2	71.0	71.0	74.8	81.6	86.2	91.6	100.7	117.5
75°	54.9	54.9	57.2	56.5	58.0	59.5	60.3	63.3	66.4	73.2	83.2
77.5°	43.5	44.3	44.3	45.0	45.0	45.8	46.5	48.1	49.6	53.4	58.0
80°	32.0	32.8	32.8	33.6	33.6	34.3	35.1	35.9	37.4	38.9	41.2
82.5°	22.1	22.9	22.9	23.7	22.9	23.7	24.4	24.4	25.2	26.7	27.5
85°	13.0	13.0	13.7	13.0	13.0	13.0	13.7	13.7	14.5	16.8	16.8
87.5°	3.8	4.6	3.8	4.6	4.6	4.6	4.6	5.3	5.3	6.1	6.9
90°	16.6	16.0	16.6	16.0	15.4	14.9	14.3	13.7	14.3	12.6	10.9
92.5°	30.9	33.1	34.3	36.3	38.3	44.0	56.6	79.4	106.3	117.7	88.0
95°	72.6	77.7	88.6	98.8	109.1	139.4	205.7	274.9	338.9	301.7	208.0
97.5°	156.0	177.7	216.0	248.6	281.2	356.6	472.6	538.9	521.2	389.2	231.4
100°	380.0	421.7	479.4	520.0	560.6	627.4	673.7	653.7	541.2	365.7	215.4
102.5°	601.7	632.6	674.3	696.3	718.3	750.3	740.6	659.4	504.0	331.4	201.7
105°	748.0	769.7	796.0	803.4	810.9	800.0	742.9	623.4	459.4	304.6	196.6
107.5°	844.6	854.9	858.3	850.6	842.9	798.3	708.6	572.0	420.0	285.2	195.4
110°	892.6	888.0	872.0	852.0	832.0	760.0	654.9	524.0	387.4	274.9	198.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	896.0	879.5	846.9	819.8	792.6	709.7	601.7	482.3	365.7	269.1	204.0
115°	869.7	844.6	801.7	770.6	739.4	655.4	556.0	450.3	351.4	268.6	210.3
117.5°	822.9	794.9	750.3	718.0	685.7	608.6	520.6	429.2	341.7	269.1	218.3
120°	774.3	742.3	697.2	668.3	639.4	570.9	493.7	413.2	335.4	271.4	227.4
122.5°	722.3	694.3	655.4	629.2	602.9	540.6	472.6	400.0	331.4	275.4	236.0
125°	678.9	653.7	617.2	594.3	571.4	516.6	454.3	389.2	328.0	279.4	245.1
127.5°	641.7	620.0	586.9	565.8	544.6	494.3	437.7	378.9	326.3	284.0	252.6
130°	609.7	589.2	558.9	539.4	520.0	473.7	422.3	370.9	324.6	288.6	260.0
132.5°	581.7	561.2	533.2	514.9	496.6	454.3	408.0	363.4	324.0	292.0	266.9
135°	550.9	533.7	505.7	489.4	473.2	436.0	395.4	357.2	323.4	295.4	272.6
137.5°	521.7	504.0	480.0	465.4	450.9	417.7	383.4	351.4	322.3	297.7	277.2
140°	492.0	476.0	454.3	442.0	429.7	402.3	373.2	346.3	321.7	300.0	280.6
142.5°	462.3	448.6	430.9	420.6	410.3	387.4	363.4	341.7	320.6	301.7	284.0
145°	436.0	424.0	409.7	401.4	393.2	374.9	356.0	337.7	319.4	302.3	286.3
147.5°	412.6	404.0	392.6	386.6	380.6	365.2	349.7	333.7	317.7	302.3	288.0
150°	393.7	387.4	378.9	373.4	368.0	356.0	342.9	329.7	315.4	302.3	288.6
152.5°	378.3	372.6	366.3	362.0	357.7	347.4	336.6	325.2	312.6	300.6	289.7
155°	364.6	360.0	354.9	351.4	348.0	339.4	330.3	320.6	309.2	299.4	289.7
157.5°	352.0	348.6	344.0	341.2	338.3	331.4	323.4	315.4	306.3	297.7	290.3
160°	341.2	337.7	333.7	331.7	329.7	324.0	317.7	310.3	302.9	296.6	290.3
162.5°	329.7	326.9	324.6	322.9	321.2	316.0	310.9	305.2	299.4	294.3	289.7
165°	320.0	317.7	315.4	314.0	312.6	308.6	305.2	300.6	296.0	292.0	288.6
167.5°	310.3	308.6	307.4	306.3	305.2	302.9	300.0	296.0	292.6	289.7	288.0
170°	301.7	300.6	300.0	299.4	298.9	296.6	294.9	292.0	289.2	287.4	286.3
172.5°	294.9	293.7	293.7	293.4	293.2	291.4	290.3	288.0	286.3	285.7	285.7
175°	288.6	288.0	288.0	288.0	288.0	286.9	286.3	285.2	284.0	284.0	284.6
177.5°	284.6	284.0	284.6	284.6	284.6	284.0	283.4	282.9	282.3	282.9	284.0
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	922.4	918.6	914.8	914.8	906.4	898.8	895.0	896.5	891.9	885.8	879.7
5°	962.9	947.6	944.6	936.2	924.7	908.7	900.3	892.7	883.5	871.3	859.9
7.5°	1000.2	980.4	969.7	961.3	939.2	917.1	898.8	886.6	870.5	852.2	838.5
10°	1049.1	1012.5	1001.0	981.9	950.7	919.4	898.0	878.2	856.0	834.7	816.4
12.5°	1088.0	1046.0	1024.7	1005.6	965.2	925.5	889.6	865.2	838.5	814.8	791.2
15°	1132.2	1084.9	1047.6	1024.7	973.5	925.5	885.0	850.7	821.0	792.0	771.4
17.5°	1153.6	1094.1	1077.3	1044.5	970.5	922.4	872.8	836.2	800.4	766.8	742.4
20°	1187.2	1117.7	1075.8	1053.7	988.0	917.1	859.1	817.1	779.8	743.9	718.0
22.5°	1189.5	1113.9	1086.5	1044.5	963.6	901.1	846.9	795.8	752.3	718.7	692.0
25°	1184.1	1107.1	1068.9	1035.3	968.2	891.9	822.5	772.1	729.4	690.5	659.2
27.5°	1181.8	1087.2	1051.4	1017.8	942.3	865.2	808.0	750.8	701.9	667.6	635.6
30°	1178.8	1065.9	1022.4	983.5	914.0	844.6	775.9	726.3	679.8	636.3	604.3
32.5°	1158.9	1036.9	992.6	951.4	876.6	807.2	753.0	700.4	650.0	609.6	580.6
35°	1152.8	1010.2	952.2	907.9	834.7	772.9	715.7	672.2	624.9	584.4	550.1
37.5°	1135.3	982.7	920.1	863.7	787.4	728.6	686.7	643.2	597.4	553.9	526.4
40°	1104.8	950.7	879.7	821.7	743.1	683.6	644.7	612.7	567.6	528.7	495.2
42.5°	1059.8	917.8	841.6	780.5	693.5	637.8	605.8	575.3	537.1	496.7	469.2
45°	1007.9	874.4	803.4	735.5	647.0	592.8	559.3	540.9	505.8	471.5	439.5
47.5°	936.9	829.3	759.2	689.0	598.9	546.3	519.6	501.3	476.9	439.5	413.5
50°	847.7	771.4	705.0	642.4	551.6	501.3	474.6	460.8	440.2	413.5	388.3
52.5°	748.5	704.2	649.3	591.3	503.6	456.3	431.8	421.2	405.9	380.7	359.4
55°	648.5	629.4	592.1	534.8	453.2	414.3	392.9	379.2	367.7	349.4	331.1
57.5°	559.3	550.1	524.2	479.9	411.2	370.8	352.5	343.3	334.2	320.4	302.1
60°	466.9	476.9	450.2	428.0	365.5	330.4	314.3	304.4	299.8	287.6	276.2
62.5°	386.8	396.0	380.7	363.9	319.7	288.4	278.5	269.3	266.3	255.6	244.1
65°	314.3	325.8	314.3	305.2	278.5	252.5	240.3	235.8	232.7	225.8	216.7
67.5°	250.3	261.7	256.4	244.9	236.5	215.2	208.3	203.7	202.2	196.8	189.2
70°	188.5	204.5	206.0	199.1	191.5	181.6	177.0	175.5	171.7	167.1	162.5
72.5°	135.8	154.1	154.9	154.9	150.3	150.3	145.7	143.4	143.4	138.9	133.5
75°	99.9	112.2	113.7	115.2	117.5	119.8	116.7	116.7	116.0	111.4	109.1
77.5°	66.4	77.1	80.9	86.2	89.3	89.3	90.8	92.3	90.8	88.5	87.0
80°	42.7	50.4	54.9	58.0	62.6	64.9	67.1	67.9	66.4	65.6	63.3
82.5°	28.2	30.5	32.8	36.6	42.0	45.8	45.8	45.0	46.5	45.8	45.0
85°	16.0	17.5	18.3	19.1	22.1	25.9	26.7	27.5	29.0	27.5	25.9
87.5°	6.1	6.9	6.9	6.9	8.4	9.2	11.4	14.5	13.7	12.2	12.2
90°	9.1	7.4	6.8	6.3	5.1	3.4	2.3	1.1	2.3	3.4	5.1
92.5°	57.7	39.4	34.2	29.1	23.4	18.3	12.6	8.6	12.6	18.3	23.4
95°	122.9	74.3	63.2	52.0	37.1	27.4	21.1	19.4	21.1	27.4	37.1
97.5°	132.6	84.6	72.3	60.0	45.1	36.6	31.4	30.9	31.4	36.6	45.1
100°	130.9	90.9	79.8	68.6	54.9	46.9	42.9	42.3	42.9	46.9	54.9
102.5°	133.1	98.3	88.3	78.3	66.3	58.9	55.4	54.3	55.4	58.9	66.3
105°	137.7	106.9	98.0	89.1	78.3	71.4	68.0	66.3	68.0	71.4	78.3
107.5°	145.1	117.7	109.4	101.1	90.9	84.0	80.6	78.9	80.6	84.0	90.9
110°	154.9	129.1	121.1	113.1	103.4	97.1	94.3	92.6	94.3	97.1	103.4

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	164.6	141.1	133.4	125.7	116.0	109.7	106.9	105.1	106.9	109.7	116.0
115°	175.4	153.7	146.0	138.3	128.6	122.9	119.4	117.1	119.4	122.9	128.6
117.5°	186.9	165.1	158.0	150.9	140.0	134.9	132.0	129.1	132.0	134.9	140.0
120°	197.7	177.1	170.0	162.9	152.0	146.3	143.4	141.7	143.4	146.3	152.0
122.5°	209.1	189.1	181.4	173.7	163.4	157.1	154.3	152.6	154.3	157.1	163.4
125°	220.0	200.0	192.3	184.6	173.7	167.4	164.0	162.9	164.0	167.4	173.7
127.5°	229.7	210.3	202.6	194.9	182.9	176.6	172.6	170.9	172.6	176.6	182.9
130°	238.3	219.4	211.7	204.0	192.0	185.1	180.0	178.3	180.0	185.1	192.0
132.5°	245.7	227.4	220.0	212.6	200.6	192.0	186.3	184.0	186.3	192.0	200.6
135°	253.1	235.4	227.7	220.0	208.0	199.4	193.1	190.9	193.1	199.4	208.0
137.5°	258.3	241.1	234.0	226.9	214.9	205.7	199.4	197.1	199.4	205.7	214.9
140°	263.4	246.9	239.8	232.6	221.1	212.0	206.3	203.4	206.3	212.0	221.1
142.5°	267.4	251.4	244.8	238.3	226.9	218.9	212.6	210.3	212.6	218.9	226.9
145°	270.9	256.0	249.4	242.9	233.1	224.6	219.4	217.7	219.4	224.6	233.1
147.5°	273.7	260.0	254.3	248.6	238.9	231.4	226.3	225.1	226.3	231.4	238.9
150°	276.6	263.4	258.2	253.1	245.1	237.7	233.1	232.6	233.1	237.7	245.1
152.5°	278.3	267.4	262.5	257.7	250.9	244.6	240.0	240.0	240.0	244.6	250.9
155°	280.6	270.9	266.9	262.9	256.6	250.9	247.4	247.4	247.4	250.9	256.6
157.5°	281.7	273.7	270.5	267.4	261.7	256.6	253.7	253.1	253.7	256.6	261.7
160°	283.4	276.6	273.8	270.9	266.9	262.3	260.0	260.0	260.0	262.3	266.9
162.5°	284.0	278.3	276.0	273.7	270.3	266.9	265.1	265.1	265.1	266.9	270.3
165°	284.6	280.0	278.0	276.0	273.7	270.9	269.7	270.3	269.7	270.9	273.7
167.5°	284.6	281.2	279.8	278.3	276.6	274.3	273.7	274.3	273.7	274.3	276.6
170°	284.0	281.2	280.6	280.0	278.9	277.2	276.6	277.7	276.6	277.2	278.9
172.5°	284.0	281.7	281.4	281.2	280.6	279.4	279.4	280.0	279.4	279.4	280.6
175°	283.4	282.3	282.0	281.7	281.7	280.6	281.2	281.7	281.2	280.6	281.7
177.5°	282.9	282.3	282.3	282.3	282.3	281.7	282.3	282.9	282.3	281.7	282.3
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	879.7	875.9	874.4	870.5	861.4	855.3	848.4	843.8	844.6	840.8	843.1
5°	852.2	851.5	846.1	838.5	825.5	818.7	806.5	800.4	797.3	798.1	793.5
7.5°	829.3	822.5	818.7	806.5	794.2	779.8	769.8	764.5	759.9	755.3	752.3
10°	803.4	797.3	791.2	778.2	761.4	747.7	734.0	728.6	721.8	718.7	716.4
12.5°	775.9	772.1	764.5	749.2	730.2	717.2	701.2	698.1	689.0	682.9	681.3
15°	750.8	748.5	734.7	717.2	698.1	685.1	671.4	662.3	647.0	650.0	644.7
17.5°	724.1	714.1	705.7	682.1	672.9	653.1	637.1	632.5	621.8	615.0	608.1
20°	694.3	688.2	677.5	662.3	640.1	617.2	605.0	597.4	591.3	580.6	577.6
22.5°	666.1	658.4	649.3	629.4	610.4	591.3	574.5	567.6	560.0	552.4	547.8
25°	643.9	632.5	622.6	598.2	579.1	563.1	552.4	540.9	530.3	525.7	524.2
27.5°	609.6	602.7	592.8	569.9	552.4	534.8	524.9	517.3	505.8	500.5	495.9
30°	587.5	573.8	562.3	544.0	526.4	507.4	498.2	489.1	482.2	475.3	470.0
32.5°	557.7	547.0	537.9	519.6	502.0	484.5	474.6	460.8	457.0	451.7	445.6
35°	528.7	521.9	512.0	492.1	473.0	460.8	450.2	437.2	432.6	428.8	423.4
37.5°	501.3	491.4	484.5	465.4	448.6	434.1	425.7	415.1	412.0	407.4	403.6
40°	477.6	467.7	460.8	441.8	424.2	409.0	403.6	392.9	388.3	383.0	380.7
42.5°	450.9	442.5	433.4	419.6	401.3	386.1	375.4	369.3	363.2	360.9	356.3
45°	422.7	415.1	408.2	392.9	373.9	363.2	354.0	345.6	341.0	337.2	334.2
47.5°	398.3	391.4	382.2	365.5	350.2	340.3	331.1	322.7	318.2	313.6	309.8
50°	370.0	366.2	356.3	340.3	325.8	314.3	305.9	298.3	295.3	289.9	283.8
52.5°	344.9	338.0	329.6	316.6	303.7	289.9	278.5	273.9	268.6	265.5	260.2
55°	315.1	310.5	301.4	289.9	276.2	264.7	256.4	250.3	243.4	240.3	233.5
57.5°	289.9	281.5	277.0	262.5	249.5	238.0	231.9	225.8	218.2	213.6	210.6
60°	262.5	254.8	248.0	235.8	226.6	214.4	205.2	199.9	194.6	188.5	185.4
62.5°	235.8	229.7	221.3	211.3	199.9	190.0	183.1	175.5	172.4	166.3	164.0
65°	206.8	202.2	195.3	183.9	174.7	166.3	159.5	153.4	150.3	148.0	146.5
67.5°	180.8	174.7	170.1	160.2	150.3	143.4	139.6	135.8	132.0	129.7	127.4
70°	154.1	149.5	145.0	135.8	128.9	122.8	119.8	116.7	114.4	112.2	109.9
72.5°	126.7	124.4	119.8	113.7	108.3	103.8	101.5	97.7	95.4	91.6	90.0
75°	104.5	100.7	98.4	93.1	88.5	84.7	81.6	77.1	74.0	72.5	71.7
77.5°	82.4	80.9	77.8	73.2	71.0	67.1	62.6	61.0	59.5	59.5	58.7
80°	61.8	59.5	57.2	53.4	51.1	48.1	48.1	48.1	47.3	48.1	47.3
82.5°	42.0	40.4	38.9	36.6	35.9	35.9	36.6	36.6	36.6	36.6	36.6
85°	24.4	24.4	24.4	25.2	24.4	24.4	25.2	25.9	25.2	25.2	24.4
87.5°	11.4	11.4	12.2	12.2	13.0	13.0	13.0	13.0	13.0	13.0	13.7
90°	6.3	6.8	7.4	9.1	10.9	12.6	14.3	13.7	14.3	14.9	15.4
92.5°	29.1	34.2	39.4	57.7	88.0	117.7	106.3	79.4	56.6	44.0	38.3
95°	52.0	63.2	74.3	122.9	208.0	301.7	338.9	274.9	205.7	139.4	109.1
97.5°	60.0	72.3	84.6	132.6	231.4	389.2	521.2	538.9	472.6	356.6	281.2
100°	68.6	79.8	90.9	130.9	215.4	365.7	541.2	653.7	673.7	627.4	560.6
102.5°	78.3	88.3	98.3	133.1	201.7	331.4	504.0	659.4	740.6	750.3	718.3
105°	89.1	98.0	106.9	137.7	196.6	304.6	459.4	623.4	742.9	800.0	810.9
107.5°	101.1	109.4	117.7	145.1	195.4	285.2	420.0	572.0	708.6	798.3	842.9
110°	113.1	121.1	129.1	154.9	198.3	274.9	387.4	524.0	654.9	760.0	832.0

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	125.7	133.4	141.1	164.6	204.0	269.1	365.7	482.3	601.7	709.7	792.6
115°	138.3	146.0	153.7	175.4	210.3	268.6	351.4	450.3	556.0	655.4	739.4
117.5°	150.9	158.0	165.1	186.9	218.3	269.1	341.7	429.2	520.6	608.6	685.7
120°	162.9	170.0	177.1	197.7	227.4	271.4	335.4	413.2	493.7	570.9	639.4
122.5°	173.7	181.4	189.1	209.1	236.0	275.4	331.4	400.0	472.6	540.6	602.9
125°	184.6	192.3	200.0	220.0	245.1	279.4	328.0	389.2	454.3	516.6	571.4
127.5°	194.9	202.6	210.3	229.7	252.6	284.0	326.3	378.9	437.7	494.3	544.6
130°	204.0	211.7	219.4	238.3	260.0	288.6	324.6	370.9	422.3	473.7	520.0
132.5°	212.6	220.0	227.4	245.7	266.9	292.0	324.0	363.4	408.0	454.3	496.6
135°	220.0	227.7	235.4	253.1	272.6	295.4	323.4	357.2	395.4	436.0	473.2
137.5°	226.9	234.0	241.1	258.3	277.2	297.7	322.3	351.4	383.4	417.7	450.9
140°	232.6	239.8	246.9	263.4	280.6	300.0	321.7	346.3	373.2	402.3	429.7
142.5°	238.3	244.8	251.4	267.4	284.0	301.7	320.6	341.7	363.4	387.4	410.3
145°	242.9	249.4	256.0	270.9	286.3	302.3	319.4	337.7	356.0	374.9	393.2
147.5°	248.6	254.3	260.0	273.7	288.0	302.3	317.7	333.7	349.7	365.2	380.6
150°	253.1	258.2	263.4	276.6	288.6	302.3	315.4	329.7	342.9	356.0	368.0
152.5°	257.7	262.5	267.4	278.3	289.7	300.6	312.6	325.2	336.6	347.4	357.7
155°	262.9	266.9	270.9	280.6	289.7	299.4	309.2	320.6	330.3	339.4	348.0
157.5°	267.4	270.5	273.7	281.7	290.3	297.7	306.3	315.4	323.4	331.4	338.3
160°	270.9	273.8	276.6	283.4	290.3	296.6	302.9	310.3	317.7	324.0	329.7
162.5°	273.7	276.0	278.3	284.0	289.7	294.3	299.4	305.2	310.9	316.0	321.2
165°	276.0	278.0	280.0	284.6	288.6	292.0	296.0	300.6	305.2	308.6	312.6
167.5°	278.3	279.8	281.2	284.6	288.0	289.7	292.6	296.0	300.0	302.9	305.2
170°	280.0	280.6	281.2	284.0	286.3	287.4	289.2	292.0	294.9	296.6	298.9
172.5°	281.2	281.4	281.7	284.0	285.7	285.7	286.3	288.0	290.3	291.4	293.2
175°	281.7	282.0	282.3	283.4	284.6	284.0	284.0	285.2	286.3	286.9	288.0
177.5°	282.3	282.3	282.3	282.9	284.0	282.9	282.3	282.9	283.4	284.0	284.6
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	842.3	843.1	840.8	836.2	835.4	837.0	841.6	840.0	836.2	843.1	837.0
5°	795.8	792.0	790.4	792.0	787.4	785.1	789.7	787.4	789.7	790.4	792.7
7.5°	750.8	751.5	746.9	747.7	741.6	743.1	743.1	743.1	745.4	746.9	750.0
10°	711.8	713.4	708.0	708.8	704.2	701.2	703.5	708.0	708.0	708.0	709.6
12.5°	680.6	673.7	669.9	669.1	663.8	662.3	666.8	668.4	672.2	672.2	674.5
15°	641.7	640.1	637.1	637.1	624.1	627.2	628.7	634.0	641.7	635.6	637.1
17.5°	606.6	602.7	598.9	597.4	595.9	591.3	597.4	596.6	601.2	602.0	604.3
20°	575.3	572.2	564.6	565.4	566.9	560.0	563.8	563.8	568.4	573.0	578.3
22.5°	544.8	541.7	537.9	539.4	534.8	533.3	533.3	537.1	542.5	546.3	545.5
25°	521.1	515.8	513.5	511.2	508.9	510.4	508.1	512.0	515.8	518.1	515.8
27.5°	494.4	492.1	487.5	485.2	481.4	483.0	484.5	487.5	489.8	489.8	492.1
30°	468.5	465.4	463.9	461.6	461.6	458.5	459.3	462.4	464.6	466.9	470.0
32.5°	443.3	441.0	438.7	438.7	437.2	436.4	435.7	440.2	440.2	444.8	444.8
35°	422.7	418.9	418.9	415.1	416.6	415.8	414.3	417.3	418.1	421.2	420.4
37.5°	399.8	399.8	398.3	394.5	391.4	392.2	396.0	396.0	398.3	397.5	399.8
40°	376.9	375.4	375.4	373.1	372.3	371.6	372.3	373.1	376.9	376.1	376.9
42.5°	354.0	354.8	351.0	351.0	351.0	348.7	349.4	350.2	351.7	353.3	355.5
45°	331.9	330.4	329.6	328.1	326.5	327.3	326.5	329.6	328.8	330.4	332.7
47.5°	308.2	305.9	305.2	302.1	302.1	303.7	302.9	305.2	305.9	308.2	306.7
50°	285.3	282.3	280.0	280.8	276.2	277.7	277.7	280.0	282.3	283.1	284.6
52.5°	258.6	257.9	257.1	253.3	252.5	251.8	252.5	253.3	256.4	258.6	259.4
55°	232.7	231.9	227.4	225.8	223.5	223.5	225.1	225.8	231.2	231.9	235.0
57.5°	209.1	206.8	201.4	200.7	200.7	200.7	198.4	201.4	202.9	206.8	206.8
60°	183.1	183.1	178.5	178.5	179.3	178.5	178.5	179.3	179.3	182.3	183.9
62.5°	162.5	161.7	161.7	160.2	159.5	160.2	159.5	159.5	160.2	162.5	164.8
65°	144.2	143.4	142.7	141.9	140.4	140.4	141.1	142.7	142.7	144.2	145.0
67.5°	126.7	126.7	125.1	125.1	124.4	123.6	124.4	123.6	126.7	126.7	127.4
70°	109.1	108.3	106.1	105.3	103.0	103.8	103.8	106.1	106.8	108.3	109.9
72.5°	87.7	87.7	86.2	84.7	85.5	83.9	83.9	84.7	84.7	87.0	87.7
75°	72.5	71.0	70.2	71.0	70.2	71.7	70.2	70.2	71.7	71.7	71.7
77.5°	59.5	59.5	58.7	58.7	59.5	58.7	59.5	59.5	59.5	58.7	59.5
80°	48.8	48.1	48.1	48.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
82.5°	36.6	36.6	35.9	36.6	36.6	35.9	36.6	35.9	35.9	36.6	36.6
85°	24.4	25.9	24.4	24.4	25.2	25.2	25.9	25.2	25.9	24.4	25.2
87.5°	13.0	13.7	13.7	13.0	13.0	13.7	13.7	13.7	14.5	13.0	13.7
90°	16.0	16.6	16.0	16.6	17.1	16.6	17.1	16.6	16.0	16.6	16.0
92.5°	36.3	34.3	33.1	30.9	31.4	30.3	31.4	30.9	33.1	34.3	36.3
95°	98.8	88.6	77.7	72.6	68.6	66.3	68.6	72.6	77.7	88.6	98.8
97.5°	248.6	216.0	177.7	156.0	142.3	136.0	142.3	156.0	177.7	216.0	248.6
100°	520.0	479.4	421.7	380.0	357.7	358.3	357.7	380.0	421.7	479.4	520.0
102.5°	696.3	674.3	632.6	601.7	584.0	567.4	584.0	601.7	632.6	674.3	696.3
105°	803.4	796.0	769.7	748.0	729.7	726.9	729.7	748.0	769.7	796.0	803.4
107.5°	850.6	858.3	854.9	844.6	837.2	830.9	837.2	844.6	854.9	858.3	850.6
110°	852.0	872.0	888.0	892.6	891.5	890.3	891.5	892.6	888.0	872.0	852.0

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	819.8	846.9	879.5	896.0	901.7	902.3	901.7	896.0	879.5	846.9	819.8
115°	770.6	801.7	844.6	869.7	881.2	884.0	881.2	869.7	844.6	801.7	770.6
117.5°	718.0	750.3	794.9	822.9	840.0	844.0	840.0	822.9	794.9	750.3	718.0
120°	668.3	697.2	742.3	774.3	788.0	791.4	788.0	774.3	742.3	697.2	668.3
122.5°	629.2	655.4	694.3	722.3	737.7	742.3	737.7	722.3	694.3	655.4	629.2
125°	594.3	617.2	653.7	678.9	693.2	697.2	693.2	678.9	653.7	617.2	594.3
127.5°	565.8	586.9	620.0	641.7	654.9	658.3	654.9	641.7	620.0	586.9	565.8
130°	539.4	558.9	589.2	609.7	621.7	626.3	621.7	609.7	589.2	558.9	539.4
132.5°	514.9	533.2	561.2	581.7	592.0	594.9	592.0	581.7	561.2	533.2	514.9
135°	489.4	505.7	533.7	550.9	561.2	565.2	561.2	550.9	533.7	505.7	489.4
137.5°	465.4	480.0	504.0	521.7	530.3	533.7	530.3	521.7	504.0	480.0	465.4
140°	442.0	454.3	476.0	492.0	501.2	500.6	501.2	492.0	476.0	454.3	442.0
142.5°	420.6	430.9	448.6	462.3	470.3	469.7	470.3	462.3	448.6	430.9	420.6
145°	401.4	409.7	424.0	436.0	440.6	441.7	440.6	436.0	424.0	409.7	401.4
147.5°	386.6	392.6	404.0	412.6	417.2	417.7	417.2	412.6	404.0	392.6	386.6
150°	373.4	378.9	387.4	393.7	397.2	397.2	397.2	393.7	387.4	378.9	373.4
152.5°	362.0	366.3	372.6	378.3	380.0	380.0	380.0	378.3	372.6	366.3	362.0
155°	351.4	354.9	360.0	364.6	365.7	366.3	365.7	364.6	360.0	354.9	351.4
157.5°	341.2	344.0	348.6	352.0	353.2	353.2	353.2	352.0	348.6	344.0	341.2
160°	331.7	333.7	337.7	341.2	341.2	340.6	341.2	341.2	337.7	333.7	331.7
162.5°	322.9	324.6	326.9	329.7	329.7	329.2	329.7	329.7	326.9	324.6	322.9
165°	314.0	315.4	317.7	320.0	319.4	319.4	319.4	320.0	317.7	315.4	314.0
167.5°	306.3	307.4	308.6	310.3	309.7	309.7	309.7	310.3	308.6	307.4	306.3
170°	299.4	300.0	300.6	301.7	301.2	301.2	301.2	301.7	300.6	300.0	299.4
172.5°	293.4	293.7	293.7	294.9	293.7	293.2	293.7	294.9	293.7	293.7	293.4
175°	288.0	288.0	288.0	288.6	288.0	287.4	288.0	288.6	288.0	288.0	288.0
177.5°	284.6	284.6	284.0	284.6	283.4	283.4	283.4	284.6	284.0	284.6	284.6
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	843.1	846.1	843.1	837.0	843.1	846.9	850.7	856.8	859.9	859.9	864.4
5°	795.0	801.1	798.8	797.3	803.4	807.2	813.3	821.0	829.3	834.7	840.8
7.5°	752.3	756.1	759.9	759.9	766.0	774.4	783.6	792.7	803.4	811.0	815.6
10°	714.9	718.0	720.2	723.3	732.4	741.6	753.8	765.3	774.4	782.8	790.4
12.5°	679.0	683.6	689.0	691.2	698.1	709.6	721.0	734.7	749.2	757.6	765.3
15°	644.7	647.0	653.1	660.0	666.1	678.3	692.8	707.3	719.5	732.4	739.3
17.5°	609.6	610.4	626.4	622.6	642.4	653.9	661.5	675.2	695.1	705.7	716.4
20°	575.3	582.9	589.8	593.6	604.3	617.2	639.4	650.0	666.1	676.0	685.1
22.5°	548.6	560.0	560.0	569.2	574.5	586.7	602.7	623.3	640.9	647.8	660.7
25°	524.9	530.3	539.4	542.5	552.4	563.1	573.8	595.9	615.0	624.1	633.3
27.5°	494.4	501.3	513.5	513.5	526.4	537.9	550.9	565.4	584.4	597.4	607.3
30°	470.8	477.6	483.0	491.4	496.7	507.4	530.3	540.9	557.7	569.2	581.4
32.5°	448.6	454.0	458.5	467.7	473.8	486.0	498.2	517.3	531.8	542.5	555.4
35°	424.2	429.6	435.7	442.5	451.7	463.1	474.6	490.6	505.1	515.0	525.7
37.5°	401.3	405.1	414.3	418.9	426.5	437.2	451.7	468.5	481.4	489.1	499.7
40°	379.2	382.2	389.1	397.5	402.8	411.2	426.5	441.0	457.0	466.2	474.6
42.5°	355.5	359.4	365.5	373.9	382.2	391.4	399.8	416.6	431.1	438.7	447.9
45°	334.9	337.2	341.8	350.2	358.6	365.5	378.4	393.7	407.4	413.5	423.4
47.5°	310.5	312.8	319.7	323.5	332.7	341.8	354.8	370.0	382.2	388.3	397.5
50°	285.3	287.6	292.2	300.6	306.7	316.6	328.1	341.0	356.3	364.7	370.0
52.5°	260.9	265.5	269.3	276.2	283.8	293.7	304.4	316.6	329.6	338.0	344.1
55°	236.5	240.3	244.9	248.7	257.9	267.0	279.2	290.7	302.1	309.8	316.6
57.5°	209.1	214.4	219.0	226.6	233.5	241.1	254.8	264.0	277.7	283.1	289.2
60°	185.4	190.7	194.6	200.7	206.8	216.7	225.8	237.3	248.7	255.6	263.2
62.5°	165.6	167.9	170.1	176.2	182.3	191.5	200.7	212.1	224.3	228.1	234.2
65°	145.7	148.0	151.8	157.2	161.7	167.1	177.0	186.2	197.6	203.7	206.0
67.5°	128.9	131.2	132.0	135.8	139.6	145.7	151.1	160.2	170.9	174.7	179.3
70°	109.9	113.7	114.4	117.5	119.0	122.8	128.9	135.8	144.2	151.1	154.9
72.5°	87.7	93.1	94.6	99.2	101.5	105.3	109.9	115.2	120.5	123.6	126.7
75°	71.7	73.2	74.0	77.8	81.6	87.0	89.3	92.3	96.9	100.7	103.8
77.5°	59.5	60.3	61.0	61.0	61.8	64.9	69.4	73.2	76.3	77.8	80.1
80°	48.1	47.3	47.3	48.1	48.1	48.1	49.6	54.9	56.5	60.3	59.5
82.5°	37.4	35.9	36.6	35.9	35.9	35.9	35.9	36.6	36.6	38.9	40.4
85°	24.4	25.2	24.4	24.4	23.7	24.4	23.7	23.7	22.9	22.9	22.1
87.5°	13.0	13.7	13.0	13.0	12.2	13.0	12.2	12.2	11.4	11.4	9.9
90°	15.4	14.9	14.3	13.7	14.3	12.6	10.9	9.1	7.4	6.8	6.3
92.5°	38.3	44.0	56.6	79.4	106.3	117.7	88.0	57.7	39.4	34.2	29.1
95°	109.1	139.4	205.7	274.9	338.9	301.7	208.0	122.9	74.3	63.2	52.0
97.5°	281.2	356.6	472.6	538.9	521.2	389.2	231.4	132.6	84.6	72.3	60.0
100°	560.6	627.4	673.7	653.7	541.2	365.7	215.4	130.9	90.9	79.8	68.6
102.5°	718.3	750.3	740.6	659.4	504.0	331.4	201.7	133.1	98.3	88.3	78.3
105°	810.9	800.0	742.9	623.4	459.4	304.6	196.6	137.7	106.9	98.0	89.1
107.5°	842.9	798.3	708.6	572.0	420.0	285.2	195.4	145.1	117.7	109.4	101.1
110°	832.0	760.0	654.9	524.0	387.4	274.9	198.3	154.9	129.1	121.1	113.1

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	792.6	709.7	601.7	482.3	365.7	269.1	204.0	164.6	141.1	133.4	125.7
115°	739.4	655.4	556.0	450.3	351.4	268.6	210.3	175.4	153.7	146.0	138.3
117.5°	685.7	608.6	520.6	429.2	341.7	269.1	218.3	186.9	165.1	158.0	150.9
120°	639.4	570.9	493.7	413.2	335.4	271.4	227.4	197.7	177.1	170.0	162.9
122.5°	602.9	540.6	472.6	400.0	331.4	275.4	236.0	209.1	189.1	181.4	173.7
125°	571.4	516.6	454.3	389.2	328.0	279.4	245.1	220.0	200.0	192.3	184.6
127.5°	544.6	494.3	437.7	378.9	326.3	284.0	252.6	229.7	210.3	202.6	194.9
130°	520.0	473.7	422.3	370.9	324.6	288.6	260.0	238.3	219.4	211.7	204.0
132.5°	496.6	454.3	408.0	363.4	324.0	292.0	266.9	245.7	227.4	220.0	212.6
135°	473.2	436.0	395.4	357.2	323.4	295.4	272.6	253.1	235.4	227.7	220.0
137.5°	450.9	417.7	383.4	351.4	322.3	297.7	277.2	258.3	241.1	234.0	226.9
140°	429.7	402.3	373.2	346.3	321.7	300.0	280.6	263.4	246.9	239.8	232.6
142.5°	410.3	387.4	363.4	341.7	320.6	301.7	284.0	267.4	251.4	244.8	238.3
145°	393.2	374.9	356.0	337.7	319.4	302.3	286.3	270.9	256.0	249.4	242.9
147.5°	380.6	365.2	349.7	333.7	317.7	302.3	288.0	273.7	260.0	254.3	248.6
150°	368.0	356.0	342.9	329.7	315.4	302.3	288.6	276.6	263.4	258.2	253.1
152.5°	357.7	347.4	336.6	325.2	312.6	300.6	289.7	278.3	267.4	262.5	257.7
155°	348.0	339.4	330.3	320.6	309.2	299.4	289.7	280.6	270.9	266.9	262.9
157.5°	338.3	331.4	323.4	315.4	306.3	297.7	290.3	281.7	273.7	270.5	267.4
160°	329.7	324.0	317.7	310.3	302.9	296.6	290.3	283.4	276.6	273.8	270.9
162.5°	321.2	316.0	310.9	305.2	299.4	294.3	289.7	284.0	278.3	276.0	273.7
165°	312.6	308.6	305.2	300.6	296.0	292.0	288.6	284.6	280.0	278.0	276.0
167.5°	305.2	302.9	300.0	296.0	292.6	289.7	288.0	284.6	281.2	279.8	278.3
170°	298.9	296.6	294.9	292.0	289.2	287.4	286.3	284.0	281.2	280.6	280.0
172.5°	293.2	291.4	290.3	288.0	286.3	285.7	285.7	284.0	281.7	281.4	281.2
175°	288.0	286.9	286.3	285.2	284.0	284.0	284.6	283.4	282.3	282.0	281.7
177.5°	284.6	284.0	283.4	282.9	282.3	282.9	284.0	282.9	282.3	282.3	282.3
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	891.1	891.1	891.1	891.1
2.5°	868.3	873.6	884.3	893.4
5°	849.9	858.3	874.4	890.4
7.5°	827.8	840.8	861.4	883.5
10°	806.5	823.2	848.4	874.4
12.5°	785.1	802.6	829.3	862.9
15°	759.9	778.2	810.3	850.7
17.5°	737.8	762.2	791.2	831.6
20°	714.1	732.4	769.8	812.6
22.5°	684.4	714.9	750.0	795.0
25°	660.7	687.4	722.5	773.6
27.5°	631.7	663.0	705.7	750.8
30°	608.1	634.0	673.7	727.9
32.5°	580.6	611.1	652.3	705.7
35°	556.2	582.1	621.1	675.2
37.5°	527.2	555.4	598.9	647.0
40°	502.0	529.5	570.7	615.7
42.5°	471.5	500.5	541.7	579.9
45°	447.1	473.8	506.6	541.7
47.5°	417.3	445.6	477.6	502.0
50°	390.6	416.6	441.8	462.4
52.5°	361.6	385.3	408.2	423.4
55°	334.9	353.3	371.6	382.2
57.5°	303.7	321.2	336.5	342.6
60°	276.2	290.7	300.6	307.5
62.5°	247.2	257.9	265.5	269.3
65°	219.0	226.6	230.4	234.2
67.5°	190.0	196.8	199.1	203.7
70°	159.5	167.1	168.6	170.9
72.5°	136.6	136.6	139.6	142.7
75°	109.1	110.6	112.2	112.2
77.5°	85.5	85.5	87.0	87.7
80°	62.6	63.3	63.3	62.6
82.5°	42.7	44.3	42.7	42.0
85°	23.7	26.7	25.2	25.2
87.5°	9.9	9.9	11.4	9.9
90°	5.1	3.4	2.3	1.1
92.5°	23.4	18.3	12.6	8.6
95°	37.1	27.4	21.1	19.4
97.5°	45.1	36.6	31.4	30.9
100°	54.9	46.9	42.9	42.3
102.5°	66.3	58.9	55.4	54.3
105°	78.3	71.4	68.0	66.3
107.5°	90.9	84.0	80.6	78.9
110°	103.4	97.1	94.3	92.6

TEST NUMBER: P1012648

CATALOG NUMBER: S123RDIP-B560D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	116.0	109.7	106.9	105.1
115°	128.6	122.9	119.4	117.1
117.5°	140.0	134.9	132.0	129.1
120°	152.0	146.3	143.4	141.7
122.5°	163.4	157.1	154.3	152.6
125°	173.7	167.4	164.0	162.9
127.5°	182.9	176.6	172.6	170.9
130°	192.0	185.1	180.0	178.3
132.5°	200.6	192.0	186.3	184.0
135°	208.0	199.4	193.1	190.9
137.5°	214.9	205.7	199.4	197.1
140°	221.1	212.0	206.3	203.4
142.5°	226.9	218.9	212.6	210.3
145°	233.1	224.6	219.4	217.7
147.5°	238.9	231.4	226.3	225.1
150°	245.1	237.7	233.1	232.6
152.5°	250.9	244.6	240.0	240.0
155°	256.6	250.9	247.4	247.4
157.5°	261.7	256.6	253.7	253.1
160°	266.9	262.3	260.0	260.0
162.5°	270.3	266.9	265.1	265.1
165°	273.7	270.9	269.7	270.3
167.5°	276.6	274.3	273.7	274.3
170°	278.9	277.2	276.6	277.7
172.5°	280.6	279.4	279.4	280.0
175°	281.7	280.6	281.2	281.7
177.5°	282.3	281.7	282.3	282.9
180°	282.3	282.3	282.3	282.3

(END OF REPORT)