

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: P1012660

Luminaire Tested: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012660
REPORT IS A COMBINATION OF REPORTS P993469 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B560D585UB40-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

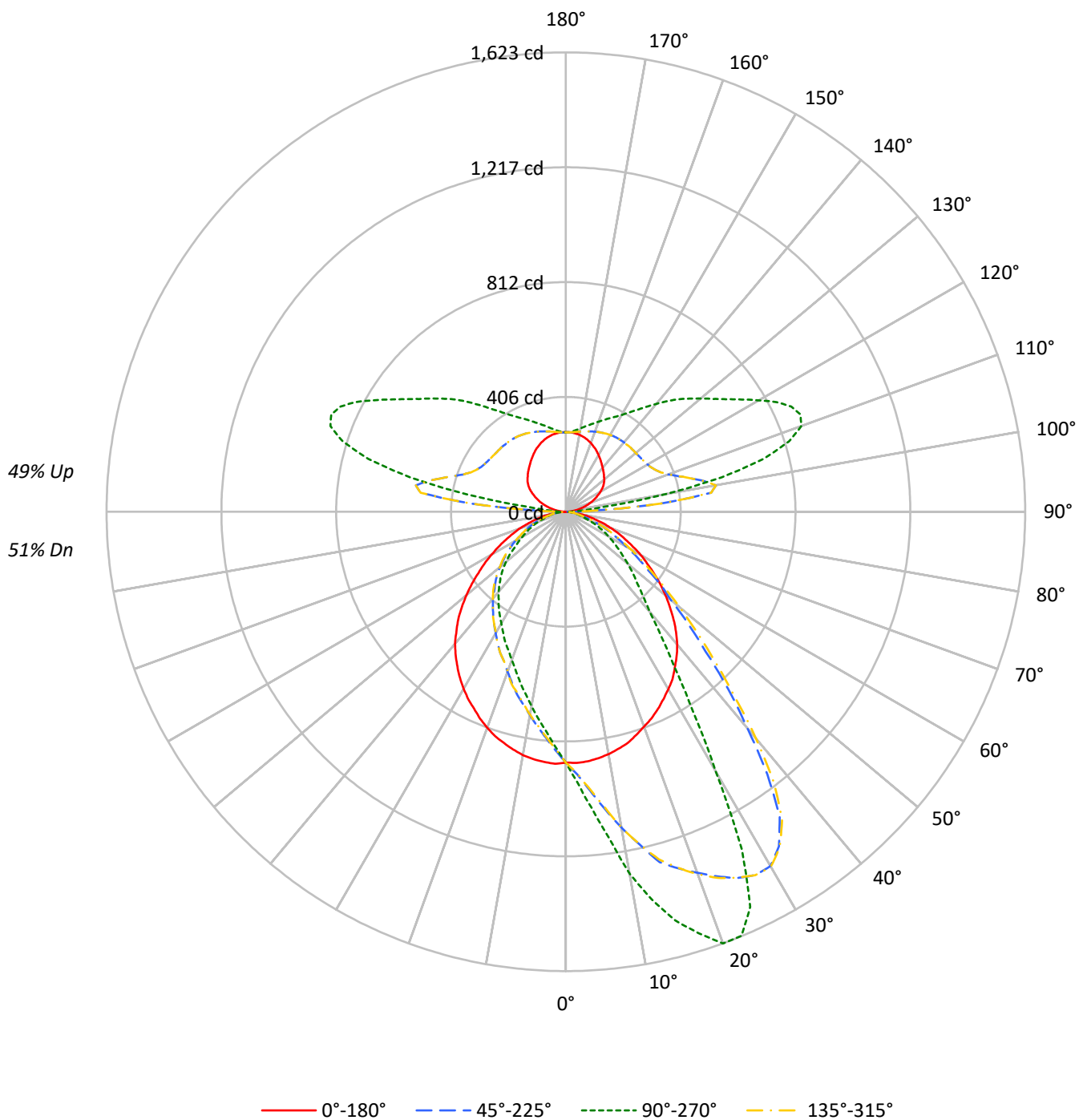
Lumens per Lamp: N/A
Luminaire Lumens: 4319.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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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					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	74	72	70	62	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°	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	2.0
10°-20°	272.3	6.3
20°-30°	428.9	9.9
30°-40°	446.0	10.3
40°-50°	381.6	8.8
50°-60°	290.9	6.7
60°-70°	186.4	4.3
70°-80°	89.3	2.1
80°-90°	25.0	0.6
90°-100°	152.3	3.5
100°-110°	445.9	10.3
110°-120°	435.5	10.1
120°-130°	346.8	8.0
130°-140°	273.6	6.3
140°-150°	204.1	4.7
150°-160°	142.3	3.3
160°-170°	83.6	1.9
170°-180°	27.2	0.6
0°-30°	788.3	18.3
0°-40°	1234.3	28.6
0°-60°	1906.8	44.1
0°-90°	2207.6	51.1
90°-120°	1033.7	23.9
90°-150°	1858.3	43.0
90°-180°	2111.0	48.9
0°-180°	4319.0	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°	1	16	1	16	1	3
95°	19	66	19	66	19	20
105°	66	723	66	723	66	70
115°	116	879	116	879	116	115
125°	162	693	162	693	162	144
135°	190	562	190	562	190	147
145°	216	439	216	439	216	136
155°	246	364	246	364	246	113
165°	269	318	269	318	269	76
175°	280	286	280	286	280	27
180°	281	281	281	281	281	

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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°	1.1	2.3	3.4	5.1	6.3	6.8	7.4	9.1	10.8	12.5	14.2
92.5°	8.5	12.5	18.2	23.3	29.0	34.1	39.2	57.4	87.5	117.1	105.7
95°	19.3	21.0	27.3	36.9	51.7	62.8	73.9	122.2	206.8	300.0	337.0
97.5°	30.7	31.3	36.4	44.9	59.7	71.9	84.1	131.8	230.1	387.0	518.2
100°	42.0	42.6	46.6	54.5	68.2	79.2	90.3	130.1	214.2	363.7	538.1
102.5°	54.0	55.1	58.5	65.9	77.8	87.8	97.7	132.4	200.6	329.6	501.2
105°	65.9	67.6	71.0	77.8	88.6	97.4	106.3	136.9	195.5	302.9	456.8
107.5°	78.4	80.1	83.5	90.3	100.6	108.8	117.1	144.3	194.3	283.5	417.6
110°	92.1	93.8	96.6	102.8	112.5	120.4	128.4	154.0	197.2	273.3	385.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	104.6	106.3	109.1	115.3	125.0	132.6	140.3	163.6	202.9	267.6	363.7
115°	116.5	118.8	122.2	127.8	137.5	145.2	152.9	174.4	209.1	267.1	349.5
117.5°	128.4	131.3	134.1	139.2	150.0	157.1	164.2	185.8	217.1	267.6	339.8
120°	140.9	142.6	145.5	151.1	161.9	169.0	176.1	196.6	226.2	269.9	333.5
122.5°	151.7	153.4	156.3	162.5	172.7	180.4	188.1	208.0	234.7	273.9	329.6
125°	161.9	163.1	166.5	172.7	183.5	191.2	198.9	218.8	243.8	277.9	326.2
127.5°	169.9	171.6	175.6	181.8	193.8	201.4	209.1	228.4	251.2	282.4	324.5
130°	177.3	179.0	184.1	190.9	202.9	210.6	218.2	236.9	258.5	286.9	322.7
132.5°	183.0	185.2	190.9	199.4	211.4	218.8	226.2	244.3	265.4	290.4	322.2
135°	189.8	192.1	198.3	206.8	218.8	226.4	234.1	251.7	271.0	293.8	321.6
137.5°	196.0	198.3	204.6	213.6	225.6	232.7	239.8	256.8	275.6	296.0	320.5
140°	202.3	205.1	210.8	219.9	231.3	238.4	245.5	261.9	279.0	298.3	319.9
142.5°	209.1	211.4	217.6	225.6	236.9	243.4	250.0	265.9	282.4	300.0	318.8
145°	216.5	218.2	223.3	231.8	241.5	248.0	254.6	269.3	284.7	300.6	317.6
147.5°	223.9	225.0	230.1	237.5	247.2	252.8	258.5	272.2	286.4	300.6	315.9
150°	231.3	231.8	236.4	243.8	251.7	256.8	261.9	275.0	286.9	300.6	313.7
152.5°	238.7	238.7	243.2	249.4	256.3	261.1	265.9	276.7	288.1	298.9	310.8
155°	246.0	246.0	249.4	255.1	261.4	265.4	269.3	279.0	288.1	297.7	307.4
157.5°	251.7	252.3	255.1	260.2	265.9	269.0	272.2	280.1	288.7	296.0	304.6
160°	258.5	258.5	260.8	265.4	269.3	272.2	275.0	281.8	288.7	294.9	301.2
162.5°	263.7	263.7	265.4	268.8	272.2	274.4	276.7	282.4	288.1	292.6	297.7
165°	268.8	268.2	269.3	272.2	274.4	276.4	278.4	283.0	286.9	290.4	294.3
167.5°	272.7	272.2	272.7	275.0	276.7	278.2	279.6	283.0	286.4	288.1	290.9
170°	276.2	275.0	275.6	277.3	278.4	279.0	279.6	282.4	284.7	285.8	287.5
172.5°	278.4	277.9	277.9	279.0	279.6	279.8	280.1	282.4	284.1	284.1	284.7
175°	280.1	279.6	279.0	280.1	280.1	280.4	280.7	281.8	283.0	282.4	282.4
177.5°	281.3	280.7	280.1	280.7	280.7	280.7	280.7	281.3	282.4	281.3	280.7
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

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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°	13.6	14.2	14.8	15.3	15.9	16.5	15.9	16.5	17.0	16.5	17.0
92.5°	79.0	56.3	43.8	38.1	36.1	34.1	33.0	30.7	31.3	30.1	31.3
95°	273.3	204.6	138.6	108.5	98.3	88.1	77.3	72.2	68.2	65.9	68.2
97.5°	535.8	469.9	354.6	279.6	247.2	214.8	176.7	155.1	141.5	135.2	141.5
100°	650.0	669.9	623.9	557.4	517.0	476.7	419.3	377.9	355.7	356.3	355.7
102.5°	655.7	736.4	746.1	714.2	692.4	670.5	629.0	598.3	580.7	564.2	580.7
105°	619.9	738.7	795.5	806.3	798.9	791.5	765.4	743.8	725.6	722.8	725.6
107.5°	568.8	704.6	793.8	838.1	845.8	853.5	850.1	839.8	832.4	826.2	832.4
110°	521.1	651.2	755.7	827.3	847.2	867.1	883.0	887.6	886.4	885.3	886.4

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	479.6	598.3	705.7	788.1	815.1	842.1	874.5	891.0	896.6	897.2	896.6
115°	447.8	552.9	651.7	735.3	766.2	797.2	839.8	864.8	876.2	879.0	876.2
117.5°	426.7	517.6	605.2	681.9	714.0	746.1	790.4	818.2	835.3	839.3	835.3
120°	410.8	490.9	567.6	635.8	664.5	693.2	738.1	769.9	783.6	787.0	783.6
122.5°	397.8	469.9	537.5	599.5	625.6	651.7	690.4	718.2	733.6	738.1	733.6
125°	387.0	451.7	513.7	568.2	591.0	613.7	650.0	675.0	689.2	693.2	689.2
127.5°	376.7	435.3	491.5	541.5	562.6	583.6	616.5	638.1	651.2	654.6	651.2
130°	368.8	419.9	471.1	517.1	536.4	555.7	585.8	606.3	618.2	622.8	618.2
132.5°	361.4	405.7	451.7	493.8	512.0	530.1	558.0	578.4	588.7	591.5	588.7
135°	355.1	393.2	433.5	470.5	486.7	502.9	530.7	547.8	558.0	562.0	558.0
137.5°	349.5	381.3	415.4	448.3	462.8	477.3	501.2	518.8	527.3	530.7	527.3
140°	344.3	371.0	400.0	427.3	439.5	451.7	473.3	489.2	498.3	497.8	498.3
142.5°	339.8	361.4	385.3	408.0	418.2	428.4	446.0	459.7	467.6	467.1	467.6
145°	335.8	354.0	372.7	390.9	399.2	407.4	421.6	433.5	438.1	439.2	438.1
147.5°	331.8	347.7	363.1	378.4	384.4	390.4	401.7	410.3	414.8	415.4	414.8
150°	327.9	340.9	354.0	365.9	371.3	376.7	385.3	391.5	394.9	394.9	394.9
152.5°	323.3	334.7	345.5	355.7	360.0	364.2	370.5	376.2	377.9	377.9	377.9
155°	318.8	328.4	337.5	346.0	349.4	352.9	358.0	362.5	363.7	364.2	363.7
157.5°	313.7	321.6	329.6	336.4	339.2	342.1	346.6	350.0	351.2	351.2	351.2
160°	308.5	315.9	322.2	327.9	329.8	331.8	335.8	339.2	339.2	338.7	339.2
162.5°	303.4	309.1	314.2	319.3	321.0	322.7	325.0	327.9	327.9	327.3	327.9
165°	298.9	303.4	306.8	310.8	312.2	313.7	315.9	318.2	317.6	317.6	317.6
167.5°	294.3	298.3	301.2	303.4	304.5	305.7	306.8	308.5	308.0	308.0	308.0
170°	290.4	293.2	294.9	297.2	297.8	298.3	298.9	300.0	299.5	299.5	299.5
172.5°	286.4	288.7	289.8	291.5	291.8	292.1	292.1	293.2	292.1	291.5	292.1
175°	283.5	284.7	285.2	286.4	286.4	286.4	286.4	286.9	286.4	285.8	286.4
177.5°	281.3	281.8	282.4	283.0	283.0	283.0	282.4	283.0	281.8	281.8	281.8
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

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°	16.5	15.9	16.5	15.9	15.3	14.8	14.2	13.6	14.2	12.5	10.8
92.5°	30.7	33.0	34.1	36.1	38.1	43.8	56.3	79.0	105.7	117.1	87.5
95°	72.2	77.3	88.1	98.3	108.5	138.6	204.6	273.3	337.0	300.0	206.8
97.5°	155.1	176.7	214.8	247.2	279.6	354.6	469.9	535.8	518.2	387.0	230.1
100°	377.9	419.3	476.7	517.0	557.4	623.9	669.9	650.0	538.1	363.7	214.2
102.5°	598.3	629.0	670.5	692.4	714.2	746.1	736.4	655.7	501.2	329.6	200.6
105°	743.8	765.4	791.5	798.9	806.3	795.5	738.7	619.9	456.8	302.9	195.5
107.5°	839.8	850.1	853.5	845.8	838.1	793.8	704.6	568.8	417.6	283.5	194.3
110°	887.6	883.0	867.1	847.2	827.3	755.7	651.2	521.1	385.3	273.3	197.2

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	891.0	874.5	842.1	815.1	788.1	705.7	598.3	479.6	363.7	267.6	202.9
115°	864.8	839.8	797.2	766.2	735.3	651.7	552.9	447.8	349.5	267.1	209.1
117.5°	818.2	790.4	746.1	714.0	681.9	605.2	517.6	426.7	339.8	267.6	217.1
120°	769.9	738.1	693.2	664.5	635.8	567.6	490.9	410.8	333.5	269.9	226.2
122.5°	718.2	690.4	651.7	625.6	599.5	537.5	469.9	397.8	329.6	273.9	234.7
125°	675.0	650.0	613.7	591.0	568.2	513.7	451.7	387.0	326.2	277.9	243.8
127.5°	638.1	616.5	583.6	562.6	541.5	491.5	435.3	376.7	324.5	282.4	251.2
130°	606.3	585.8	555.7	536.4	517.1	471.1	419.9	368.8	322.7	286.9	258.5
132.5°	578.4	558.0	530.1	512.0	493.8	451.7	405.7	361.4	322.2	290.4	265.4
135°	547.8	530.7	502.9	486.7	470.5	433.5	393.2	355.1	321.6	293.8	271.0
137.5°	518.8	501.2	477.3	462.8	448.3	415.4	381.3	349.5	320.5	296.0	275.6
140°	489.2	473.3	451.7	439.5	427.3	400.0	371.0	344.3	319.9	298.3	279.0
142.5°	459.7	446.0	428.4	418.2	408.0	385.3	361.4	339.8	318.8	300.0	282.4
145°	433.5	421.6	407.4	399.2	390.9	372.7	354.0	335.8	317.6	300.6	284.7
147.5°	410.3	401.7	390.4	384.4	378.4	363.1	347.7	331.8	315.9	300.6	286.4
150°	391.5	385.3	376.7	371.3	365.9	354.0	340.9	327.9	313.7	300.6	286.9
152.5°	376.2	370.5	364.2	360.0	355.7	345.5	334.7	323.3	310.8	298.9	288.1
155°	362.5	358.0	352.9	349.4	346.0	337.5	328.4	318.8	307.4	297.7	288.1
157.5°	350.0	346.6	342.1	339.2	336.4	329.6	321.6	313.7	304.6	296.0	288.7
160°	339.2	335.8	331.8	329.8	327.9	322.2	315.9	308.5	301.2	294.9	288.7
162.5°	327.9	325.0	322.7	321.0	319.3	314.2	309.1	303.4	297.7	292.6	288.1
165°	318.2	315.9	313.7	312.2	310.8	306.8	303.4	298.9	294.3	290.4	286.9
167.5°	308.5	306.8	305.7	304.5	303.4	301.2	298.3	294.3	290.9	288.1	286.4
170°	300.0	298.9	298.3	297.8	297.2	294.9	293.2	290.4	287.5	285.8	284.7
172.5°	293.2	292.1	292.1	291.8	291.5	289.8	288.7	286.4	284.7	284.1	284.1
175°	286.9	286.4	286.4	286.4	286.4	285.2	284.7	283.5	282.4	282.4	283.0
177.5°	283.0	282.4	283.0	283.0	283.0	282.4	281.8	281.3	280.7	281.3	282.4
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

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°	9.1	7.4	6.8	6.3	5.1	3.4	2.3	1.1	2.3	3.4	5.1
92.5°	57.4	39.2	34.1	29.0	23.3	18.2	12.5	8.5	12.5	18.2	23.3
95°	122.2	73.9	62.8	51.7	36.9	27.3	21.0	19.3	21.0	27.3	36.9
97.5°	131.8	84.1	71.9	59.7	44.9	36.4	31.3	30.7	31.3	36.4	44.9
100°	130.1	90.3	79.2	68.2	54.5	46.6	42.6	42.0	42.6	46.6	54.5
102.5°	132.4	97.7	87.8	77.8	65.9	58.5	55.1	54.0	55.1	58.5	65.9
105°	136.9	106.3	97.4	88.6	77.8	71.0	67.6	65.9	67.6	71.0	77.8
107.5°	144.3	117.1	108.8	100.6	90.3	83.5	80.1	78.4	80.1	83.5	90.3
110°	154.0	128.4	120.4	112.5	102.8	96.6	93.8	92.1	93.8	96.6	102.8

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	163.6	140.3	132.6	125.0	115.3	109.1	106.3	104.6	106.3	109.1	115.3
115°	174.4	152.9	145.2	137.5	127.8	122.2	118.8	116.5	118.8	122.2	127.8
117.5°	185.8	164.2	157.1	150.0	139.2	134.1	131.3	128.4	131.3	134.1	139.2
120°	196.6	176.1	169.0	161.9	151.1	145.5	142.6	140.9	142.6	145.5	151.1
122.5°	208.0	188.1	180.4	172.7	162.5	156.3	153.4	151.7	153.4	156.3	162.5
125°	218.8	198.9	191.2	183.5	172.7	166.5	163.1	161.9	163.1	166.5	172.7
127.5°	228.4	209.1	201.4	193.8	181.8	175.6	171.6	169.9	171.6	175.6	181.8
130°	236.9	218.2	210.6	202.9	190.9	184.1	179.0	177.3	179.0	184.1	190.9
132.5°	244.3	226.2	218.8	211.4	199.4	190.9	185.2	183.0	185.2	190.9	199.4
135°	251.7	234.1	226.4	218.8	206.8	198.3	192.1	189.8	192.1	198.3	206.8
137.5°	256.8	239.8	232.7	225.6	213.6	204.6	198.3	196.0	198.3	204.6	213.6
140°	261.9	245.5	238.4	231.3	219.9	210.8	205.1	202.3	205.1	210.8	219.9
142.5°	265.9	250.0	243.4	236.9	225.6	217.6	211.4	209.1	211.4	217.6	225.6
145°	269.3	254.6	248.0	241.5	231.8	223.3	218.2	216.5	218.2	223.3	231.8
147.5°	272.2	258.5	252.8	247.2	237.5	230.1	225.0	223.9	225.0	230.1	237.5
150°	275.0	261.9	256.8	251.7	243.8	236.4	231.8	231.3	231.8	236.4	243.8
152.5°	276.7	265.9	261.1	256.3	249.4	243.2	238.7	238.7	238.7	243.2	249.4
155°	279.0	269.3	265.4	261.4	255.1	249.4	246.0	246.0	246.0	249.4	255.1
157.5°	280.1	272.2	269.0	265.9	260.2	255.1	252.3	251.7	252.3	255.1	260.2
160°	281.8	275.0	272.2	269.3	265.4	260.8	258.5	258.5	258.5	260.8	265.4
162.5°	282.4	276.7	274.4	272.2	268.8	265.4	263.7	263.7	263.7	265.4	268.8
165°	283.0	278.4	276.4	274.4	272.2	269.3	268.2	268.8	268.2	269.3	272.2
167.5°	283.0	279.6	278.2	276.7	275.0	272.7	272.2	272.7	272.2	272.7	275.0
170°	282.4	279.6	279.0	278.4	277.3	275.6	275.0	276.2	275.0	275.6	277.3
172.5°	282.4	280.1	279.8	279.6	279.0	277.9	277.9	278.4	277.9	277.9	279.0
175°	281.8	280.7	280.4	280.1	280.1	279.0	279.6	280.1	279.6	279.0	280.1
177.5°	281.3	280.7	280.7	280.7	280.7	280.1	280.7	281.3	280.7	280.1	280.7
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

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°	6.3	6.8	7.4	9.1	10.8	12.5	14.2	13.6	14.2	14.8	15.3
92.5°	29.0	34.1	39.2	57.4	87.5	117.1	105.7	79.0	56.3	43.8	38.1
95°	51.7	62.8	73.9	122.2	206.8	300.0	337.0	273.3	204.6	138.6	108.5
97.5°	59.7	71.9	84.1	131.8	230.1	387.0	518.2	535.8	469.9	354.6	279.6
100°	68.2	79.2	90.3	130.1	214.2	363.7	538.1	650.0	669.9	623.9	557.4
102.5°	77.8	87.8	97.7	132.4	200.6	329.6	501.2	655.7	736.4	746.1	714.2
105°	88.6	97.4	106.3	136.9	195.5	302.9	456.8	619.9	738.7	795.5	806.3
107.5°	100.6	108.8	117.1	144.3	194.3	283.5	417.6	568.8	704.6	793.8	838.1
110°	112.5	120.4	128.4	154.0	197.2	273.3	385.3	521.1	651.2	755.7	827.3

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	125.0	132.6	140.3	163.6	202.9	267.6	363.7	479.6	598.3	705.7	788.1
115°	137.5	145.2	152.9	174.4	209.1	267.1	349.5	447.8	552.9	651.7	735.3
117.5°	150.0	157.1	164.2	185.8	217.1	267.6	339.8	426.7	517.6	605.2	681.9
120°	161.9	169.0	176.1	196.6	226.2	269.9	333.5	410.8	490.9	567.6	635.8
122.5°	172.7	180.4	188.1	208.0	234.7	273.9	329.6	397.8	469.9	537.5	599.5
125°	183.5	191.2	198.9	218.8	243.8	277.9	326.2	387.0	451.7	513.7	568.2
127.5°	193.8	201.4	209.1	228.4	251.2	282.4	324.5	376.7	435.3	491.5	541.5
130°	202.9	210.6	218.2	236.9	258.5	286.9	322.7	368.8	419.9	471.1	517.1
132.5°	211.4	218.8	226.2	244.3	265.4	290.4	322.2	361.4	405.7	451.7	493.8
135°	218.8	226.4	234.1	251.7	271.0	293.8	321.6	355.1	393.2	433.5	470.5
137.5°	225.6	232.7	239.8	256.8	275.6	296.0	320.5	349.5	381.3	415.4	448.3
140°	231.3	238.4	245.5	261.9	279.0	298.3	319.9	344.3	371.0	400.0	427.3
142.5°	236.9	243.4	250.0	265.9	282.4	300.0	318.8	339.8	361.4	385.3	408.0
145°	241.5	248.0	254.6	269.3	284.7	300.6	317.6	335.8	354.0	372.7	390.9
147.5°	247.2	252.8	258.5	272.2	286.4	300.6	315.9	331.8	347.7	363.1	378.4
150°	251.7	256.8	261.9	275.0	286.9	300.6	313.7	327.9	340.9	354.0	365.9
152.5°	256.3	261.1	265.9	276.7	288.1	298.9	310.8	323.3	334.7	345.5	355.7
155°	261.4	265.4	269.3	279.0	288.1	297.7	307.4	318.8	328.4	337.5	346.0
157.5°	265.9	269.0	272.2	280.1	288.7	296.0	304.6	313.7	321.6	329.6	336.4
160°	269.3	272.2	275.0	281.8	288.7	294.9	301.2	308.5	315.9	322.2	327.9
162.5°	272.2	274.4	276.7	282.4	288.1	292.6	297.7	303.4	309.1	314.2	319.3
165°	274.4	276.4	278.4	283.0	286.9	290.4	294.3	298.9	303.4	306.8	310.8
167.5°	276.7	278.2	279.6	283.0	286.4	288.1	290.9	294.3	298.3	301.2	303.4
170°	278.4	279.0	279.6	282.4	284.7	285.8	287.5	290.4	293.2	294.9	297.2
172.5°	279.6	279.8	280.1	282.4	284.1	284.1	284.7	286.4	288.7	289.8	291.5
175°	280.1	280.4	280.7	281.8	283.0	282.4	282.4	283.5	284.7	285.2	286.4
177.5°	280.7	280.7	280.7	281.3	282.4	281.3	280.7	281.3	281.8	282.4	283.0
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

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°	15.9	16.5	15.9	16.5	17.0	16.5	17.0	16.5	15.9	16.5	15.9
92.5°	36.1	34.1	33.0	30.7	31.3	30.1	31.3	30.7	33.0	34.1	36.1
95°	98.3	88.1	77.3	72.2	68.2	65.9	68.2	72.2	77.3	88.1	98.3
97.5°	247.2	214.8	176.7	155.1	141.5	135.2	141.5	155.1	176.7	214.8	247.2
100°	517.0	476.7	419.3	377.9	355.7	356.3	355.7	377.9	419.3	476.7	517.0
102.5°	692.4	670.5	629.0	598.3	580.7	564.2	580.7	598.3	629.0	670.5	692.4
105°	798.9	791.5	765.4	743.8	725.6	722.8	725.6	743.8	765.4	791.5	798.9
107.5°	845.8	853.5	850.1	839.8	832.4	826.2	832.4	839.8	850.1	853.5	845.8
110°	847.2	867.1	883.0	887.6	886.4	885.3	886.4	887.6	883.0	867.1	847.2

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	815.1	842.1	874.5	891.0	896.6	897.2	896.6	891.0	874.5	842.1	815.1
115°	766.2	797.2	839.8	864.8	876.2	879.0	876.2	864.8	839.8	797.2	766.2
117.5°	714.0	746.1	790.4	818.2	835.3	839.3	835.3	818.2	790.4	746.1	714.0
120°	664.5	693.2	738.1	769.9	783.6	787.0	783.6	769.9	738.1	693.2	664.5
122.5°	625.6	651.7	690.4	718.2	733.6	738.1	733.6	718.2	690.4	651.7	625.6
125°	591.0	613.7	650.0	675.0	689.2	693.2	689.2	675.0	650.0	613.7	591.0
127.5°	562.6	583.6	616.5	638.1	651.2	654.6	651.2	638.1	616.5	583.6	562.6
130°	536.4	555.7	585.8	606.3	618.2	622.8	618.2	606.3	585.8	555.7	536.4
132.5°	512.0	530.1	558.0	578.4	588.7	591.5	588.7	578.4	558.0	530.1	512.0
135°	486.7	502.9	530.7	547.8	558.0	562.0	558.0	547.8	530.7	502.9	486.7
137.5°	462.8	477.3	501.2	518.8	527.3	530.7	527.3	518.8	501.2	477.3	462.8
140°	439.5	451.7	473.3	489.2	498.3	497.8	498.3	489.2	473.3	451.7	439.5
142.5°	418.2	428.4	446.0	459.7	467.6	467.1	467.6	459.7	446.0	428.4	418.2
145°	399.2	407.4	421.6	433.5	438.1	439.2	438.1	433.5	421.6	407.4	399.2
147.5°	384.4	390.4	401.7	410.3	414.8	415.4	414.8	410.3	401.7	390.4	384.4
150°	371.3	376.7	385.3	391.5	394.9	394.9	394.9	391.5	385.3	376.7	371.3
152.5°	360.0	364.2	370.5	376.2	377.9	377.9	377.9	376.2	370.5	364.2	360.0
155°	349.4	352.9	358.0	362.5	363.7	364.2	363.7	362.5	358.0	352.9	349.4
157.5°	339.2	342.1	346.6	350.0	351.2	351.2	351.2	350.0	346.6	342.1	339.2
160°	329.8	331.8	335.8	339.2	339.2	338.7	339.2	339.2	335.8	331.8	329.8
162.5°	321.0	322.7	325.0	327.9	327.9	327.3	327.9	327.9	325.0	322.7	321.0
165°	312.2	313.7	315.9	318.2	317.6	317.6	317.6	318.2	315.9	313.7	312.2
167.5°	304.5	305.7	306.8	308.5	308.0	308.0	308.0	308.5	306.8	305.7	304.5
170°	297.8	298.3	298.9	300.0	299.5	299.5	299.5	300.0	298.9	298.3	297.8
172.5°	291.8	292.1	292.1	293.2	292.1	291.5	292.1	293.2	292.1	292.1	291.8
175°	286.4	286.4	286.4	286.9	286.4	285.8	286.4	286.9	286.4	286.4	286.4
177.5°	283.0	283.0	282.4	283.0	281.8	281.8	281.8	283.0	282.4	283.0	283.0
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

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°	15.3	14.8	14.2	13.6	14.2	12.5	10.8	9.1	7.4	6.8	6.3
92.5°	38.1	43.8	56.3	79.0	105.7	117.1	87.5	57.4	39.2	34.1	29.0
95°	108.5	138.6	204.6	273.3	337.0	300.0	206.8	122.2	73.9	62.8	51.7
97.5°	279.6	354.6	469.9	535.8	518.2	387.0	230.1	131.8	84.1	71.9	59.7
100°	557.4	623.9	669.9	650.0	538.1	363.7	214.2	130.1	90.3	79.2	68.2
102.5°	714.2	746.1	736.4	655.7	501.2	329.6	200.6	132.4	97.7	87.8	77.8
105°	806.3	795.5	738.7	619.9	456.8	302.9	195.5	136.9	106.3	97.4	88.6
107.5°	838.1	793.8	704.6	568.8	417.6	283.5	194.3	144.3	117.1	108.8	100.6
110°	827.3	755.7	651.2	521.1	385.3	273.3	197.2	154.0	128.4	120.4	112.5

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	788.1	705.7	598.3	479.6	363.7	267.6	202.9	163.6	140.3	132.6	125.0
115°	735.3	651.7	552.9	447.8	349.5	267.1	209.1	174.4	152.9	145.2	137.5
117.5°	681.9	605.2	517.6	426.7	339.8	267.6	217.1	185.8	164.2	157.1	150.0
120°	635.8	567.6	490.9	410.8	333.5	269.9	226.2	196.6	176.1	169.0	161.9
122.5°	599.5	537.5	469.9	397.8	329.6	273.9	234.7	208.0	188.1	180.4	172.7
125°	568.2	513.7	451.7	387.0	326.2	277.9	243.8	218.8	198.9	191.2	183.5
127.5°	541.5	491.5	435.3	376.7	324.5	282.4	251.2	228.4	209.1	201.4	193.8
130°	517.1	471.1	419.9	368.8	322.7	286.9	258.5	236.9	218.2	210.6	202.9
132.5°	493.8	451.7	405.7	361.4	322.2	290.4	265.4	244.3	226.2	218.8	211.4
135°	470.5	433.5	393.2	355.1	321.6	293.8	271.0	251.7	234.1	226.4	218.8
137.5°	448.3	415.4	381.3	349.5	320.5	296.0	275.6	256.8	239.8	232.7	225.6
140°	427.3	400.0	371.0	344.3	319.9	298.3	279.0	261.9	245.5	238.4	231.3
142.5°	408.0	385.3	361.4	339.8	318.8	300.0	282.4	265.9	250.0	243.4	236.9
145°	390.9	372.7	354.0	335.8	317.6	300.6	284.7	269.3	254.6	248.0	241.5
147.5°	378.4	363.1	347.7	331.8	315.9	300.6	286.4	272.2	258.5	252.8	247.2
150°	365.9	354.0	340.9	327.9	313.7	300.6	286.9	275.0	261.9	256.8	251.7
152.5°	355.7	345.5	334.7	323.3	310.8	298.9	288.1	276.7	265.9	261.1	256.3
155°	346.0	337.5	328.4	318.8	307.4	297.7	288.1	279.0	269.3	265.4	261.4
157.5°	336.4	329.6	321.6	313.7	304.6	296.0	288.7	280.1	272.2	269.0	265.9
160°	327.9	322.2	315.9	308.5	301.2	294.9	288.7	281.8	275.0	272.2	269.3
162.5°	319.3	314.2	309.1	303.4	297.7	292.6	288.1	282.4	276.7	274.4	272.2
165°	310.8	306.8	303.4	298.9	294.3	290.4	286.9	283.0	278.4	276.4	274.4
167.5°	303.4	301.2	298.3	294.3	290.9	288.1	286.4	283.0	279.6	278.2	276.7
170°	297.2	294.9	293.2	290.4	287.5	285.8	284.7	282.4	279.6	279.0	278.4
172.5°	291.5	289.8	288.7	286.4	284.7	284.1	284.1	282.4	280.1	279.8	279.6
175°	286.4	285.2	284.7	283.5	282.4	282.4	283.0	281.8	280.7	280.4	280.1
177.5°	283.0	282.4	281.8	281.3	280.7	281.3	282.4	281.3	280.7	280.7	280.7
180°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

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°	5.1	3.4	2.3	1.1
92.5°	23.3	18.2	12.5	8.5
95°	36.9	27.3	21.0	19.3
97.5°	44.9	36.4	31.3	30.7
100°	54.5	46.6	42.6	42.0
102.5°	65.9	58.5	55.1	54.0
105°	77.8	71.0	67.6	65.9
107.5°	90.3	83.5	80.1	78.4
110°	102.8	96.6	93.8	92.1

TEST NUMBER: P1012660

CATALOG NUMBER: S123RDIP-B560D585UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	115.3	109.1	106.3	104.6
115°	127.8	122.2	118.8	116.5
117.5°	139.2	134.1	131.3	128.4
120°	151.1	145.5	142.6	140.9
122.5°	162.5	156.3	153.4	151.7
125°	172.7	166.5	163.1	161.9
127.5°	181.8	175.6	171.6	169.9
130°	190.9	184.1	179.0	177.3
132.5°	199.4	190.9	185.2	183.0
135°	206.8	198.3	192.1	189.8
137.5°	213.6	204.6	198.3	196.0
140°	219.9	210.8	205.1	202.3
142.5°	225.6	217.6	211.4	209.1
145°	231.8	223.3	218.2	216.5
147.5°	237.5	230.1	225.0	223.9
150°	243.8	236.4	231.8	231.3
152.5°	249.4	243.2	238.7	238.7
155°	255.1	249.4	246.0	246.0
157.5°	260.2	255.1	252.3	251.7
160°	265.4	260.8	258.5	258.5
162.5°	268.8	265.4	263.7	263.7
165°	272.2	269.3	268.2	268.8
167.5°	275.0	272.7	272.2	272.7
170°	277.3	275.6	275.0	276.2
172.5°	279.0	277.9	277.9	278.4
175°	280.1	279.0	279.6	280.1
177.5°	280.7	280.1	280.7	281.3
180°	280.7	280.7	280.7	280.7

(END OF REPORT)