

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: P1012688

Luminaire Tested: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012688
REPORT IS A COMBINATION OF REPORTS P993509 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B560D805UB40-4F0-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

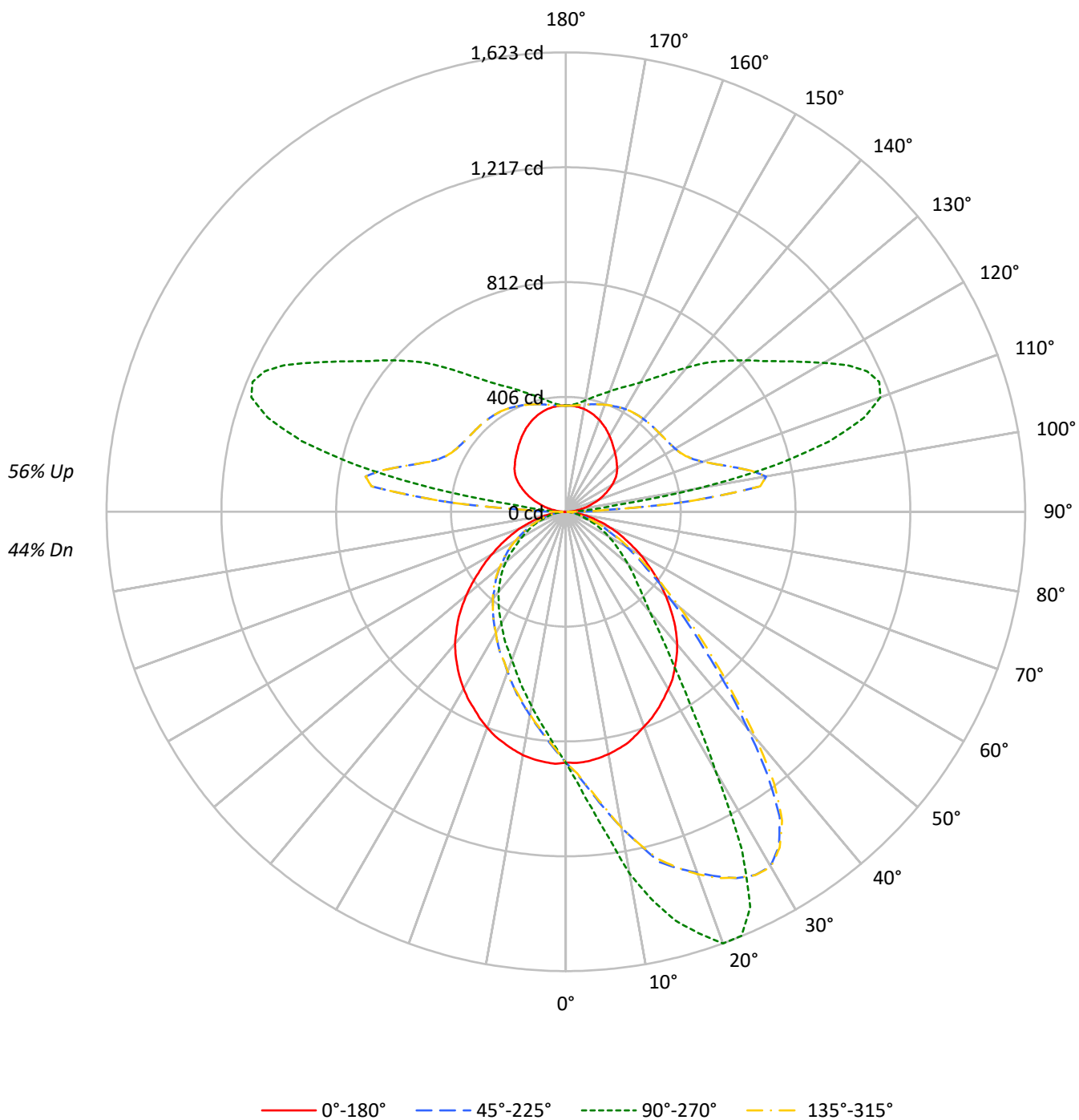
Lumens per Lamp: N/A
Luminaire Lumens: 5029.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44		
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	45	45	44	38		
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33		
3	81	72	65	60	74	66	60	56	56	51	48	46	43	40	36	34	33	28		
4	74	64	57	51	68	59	53	48	50	45	41	41	37	35	33	30	28	25		
5	69	57	50	44	63	53	46	41	45	40	36	37	33	30	30	27	25	22		
6	63	52	44	38	58	48	41	36	40	35	31	34	30	27	27	24	22	19		
7	59	47	39	34	54	43	36	32	37	32	28	31	27	24	25	22	20	17		
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16		
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14		
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13		

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	1.7
10°-20°	272.3	5.4
20°-30°	428.9	8.5
30°-40°	446.0	8.9
40°-50°	381.6	7.6
50°-60°	290.9	5.8
60°-70°	186.4	3.7
70°-80°	89.3	1.8
80°-90°	25.6	0.5
90°-100°	203.5	4.0
100°-110°	595.8	11.8
110°-120°	581.8	11.6
120°-130°	463.4	9.2
130°-140°	365.6	7.3
140°-150°	272.7	5.4
150°-160°	190.1	3.8
160°-170°	111.7	2.2
170°-180°	36.3	0.7
0°-30°	788.3	15.7
0°-40°	1234.3	24.5
0°-60°	1906.8	37.9
0°-90°	2208.1	43.9
90°-120°	1381.1	27.5
90°-150°	2482.7	49.4
90°-180°	2821.0	56.1
0°-180°	5029.0	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°	2	22	2	22	2	3
95°	26	88	26	88	26	27
105°	88	966	88	966	88	94
115°	156	1174	156	1174	156	154
125°	216	926	216	926	216	192
135°	254	751	254	751	254	196
145°	289	587	289	587	289	181
155°	329	487	329	487	329	151
165°	359	424	359	424	359	101
175°	374	382	374	382	374	36
180°	375	375	375	375	375	

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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°	1.5	3.0	4.6	6.8	8.4	9.2	9.9	12.1	14.4	16.7	19.0
92.5°	11.4	16.7	24.3	31.1	38.7	45.6	52.4	76.7	116.9	156.4	141.2
95°	25.8	28.1	36.4	49.3	69.1	83.9	98.7	163.2	276.3	400.8	450.2
97.5°	41.0	41.8	48.6	60.0	79.7	96.1	112.4	176.1	307.5	517.0	692.3
100°	56.2	56.9	62.2	72.9	91.1	105.9	120.7	173.8	286.2	485.9	718.9
102.5°	72.1	73.6	78.2	88.1	104.0	117.3	130.6	176.9	268.0	440.3	669.6
105°	88.1	90.3	94.9	104.0	118.4	130.2	142.0	183.0	261.1	404.6	610.4
107.5°	104.8	107.0	111.6	120.7	134.4	145.4	156.4	192.8	259.6	378.8	558.0
110°	123.0	125.3	129.1	137.4	150.3	161.0	171.6	205.7	263.4	365.1	514.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	139.7	142.0	145.8	154.1	167.0	177.2	187.5	218.6	271.0	357.6	485.9
115°	155.6	158.7	163.2	170.8	183.7	194.0	204.2	233.1	279.4	356.8	466.9
117.5°	171.6	175.4	179.2	186.0	200.4	209.9	219.4	248.2	290.0	357.6	454.0
120°	188.3	190.5	194.3	201.9	216.4	225.8	235.3	262.7	302.1	360.6	445.6
122.5°	202.7	205.0	208.8	217.1	230.8	241.0	251.3	277.8	313.5	365.9	440.3
125°	216.4	217.9	222.4	230.8	245.2	255.4	265.7	292.3	325.7	371.2	435.7
127.5°	227.0	229.3	234.6	242.9	258.9	269.2	279.4	305.2	335.5	377.3	433.5
130°	236.9	239.1	246.0	255.1	271.0	281.2	291.5	316.6	345.4	383.4	431.2
132.5°	244.4	247.5	255.1	266.5	282.4	292.2	302.1	326.4	354.5	387.9	430.4
135°	253.6	256.6	264.9	276.3	292.3	302.6	312.8	336.3	362.1	392.5	429.7
137.5°	261.9	264.9	273.3	285.4	301.4	310.9	320.4	343.1	368.2	395.5	428.2
140°	270.3	274.1	281.6	293.8	309.0	318.5	328.0	350.0	372.7	398.6	427.4
142.5°	279.4	282.4	290.8	301.4	316.6	325.3	334.0	355.3	377.3	400.8	425.9
145°	289.2	291.5	298.3	309.7	322.6	331.4	340.1	359.8	380.3	401.6	424.4
147.5°	299.1	300.6	307.5	317.3	330.2	337.8	345.4	363.6	382.6	401.6	422.1
150°	309.0	309.7	315.8	325.7	336.3	343.2	350.0	367.4	383.4	401.6	419.0
152.5°	318.8	318.8	324.9	333.3	342.4	348.8	355.3	369.7	384.9	399.3	415.3
155°	328.7	328.7	333.3	340.9	349.2	354.5	359.8	372.7	384.9	397.8	410.7
157.5°	336.3	337.1	340.9	347.7	355.3	359.5	363.6	374.3	385.6	395.5	406.9
160°	345.4	345.4	348.4	354.5	359.8	363.6	367.4	376.5	385.6	394.0	402.3
162.5°	352.2	352.2	354.5	359.1	363.6	366.6	369.7	377.3	384.9	391.0	397.8
165°	359.1	358.3	359.8	363.6	366.7	369.4	372.0	378.1	383.4	387.9	393.2
167.5°	364.4	363.6	364.4	367.4	369.7	371.6	373.5	378.1	382.6	384.9	388.7
170°	368.9	367.4	368.2	370.5	372.0	372.8	373.5	377.3	380.3	381.9	384.1
172.5°	372.0	371.2	371.2	372.7	373.5	373.9	374.3	377.3	379.6	379.6	380.3
175°	374.3	373.5	372.7	374.3	374.3	374.6	375.0	376.5	378.1	377.3	377.3
177.5°	375.8	375.0	374.3	375.0	375.0	375.0	375.0	375.8	377.3	375.8	375.0
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

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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°	18.2	19.0	19.7	20.5	21.2	22.0	21.3	22.0	22.8	22.0	22.8
92.5°	105.5	75.2	58.5	50.9	48.2	45.5	44.0	41.0	41.8	40.2	41.8
95°	365.1	273.3	185.2	145.0	131.4	117.7	103.2	96.4	91.1	88.1	91.1
97.5°	715.9	627.8	473.7	373.5	330.2	287.0	236.1	207.2	189.0	180.7	189.0
100°	868.5	895.0	833.5	744.7	690.8	636.9	560.2	504.8	475.2	476.0	475.2
102.5°	876.1	983.9	996.8	954.2	925.0	895.8	840.4	799.4	775.8	753.8	775.8
105°	828.2	986.9	1062.8	1077.2	1067.4	1057.5	1022.6	993.7	969.4	965.6	969.4
107.5°	759.9	941.3	1060.5	1119.7	1130.0	1140.2	1135.7	1122.0	1112.1	1103.8	1112.1
110°	696.1	870.0	1009.7	1105.3	1131.9	1158.5	1179.7	1185.8	1184.3	1182.7	1184.3

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	640.7	799.4	942.9	1052.9	1089.0	1125.1	1168.3	1190.3	1197.9	1198.7	1197.9
115°	598.2	738.6	870.7	982.3	1023.7	1065.1	1122.0	1155.4	1170.6	1174.4	1170.6
117.5°	570.1	691.6	808.5	911.0	953.9	996.8	1056.0	1093.2	1115.9	1121.3	1115.9
120°	548.9	655.9	758.4	849.5	887.8	926.2	986.1	1028.6	1046.9	1051.4	1046.9
122.5°	531.4	627.8	718.2	800.9	835.8	870.7	922.4	959.6	980.1	986.1	980.1
125°	517.0	603.5	686.3	759.1	789.5	819.9	868.5	901.9	920.8	926.2	920.8
127.5°	503.3	581.5	656.7	723.5	751.6	779.6	823.7	852.5	870.0	874.5	870.0
130°	492.7	561.0	629.3	690.8	716.6	742.4	782.7	810.0	826.0	832.0	826.0
132.5°	482.8	542.0	603.5	659.7	684.0	708.3	745.5	772.8	786.5	790.3	786.5
135°	474.5	525.3	579.2	628.6	650.2	671.8	709.0	731.8	745.5	750.8	745.5
137.5°	466.9	509.4	554.9	599.0	618.4	637.7	669.6	693.1	704.5	709.0	704.5
140°	460.0	495.7	534.4	570.9	587.2	603.5	632.4	653.6	665.8	665.0	665.8
142.5°	454.0	482.8	514.7	545.1	558.8	572.4	595.9	614.1	624.8	624.0	624.8
145°	448.7	472.9	498.0	522.3	533.3	544.3	563.3	579.2	585.3	586.8	585.3
147.5°	443.3	464.6	485.1	505.6	513.6	521.5	536.7	548.1	554.2	554.9	554.2
150°	438.0	455.5	472.9	488.9	496.1	503.3	514.7	523.1	527.6	527.6	527.6
152.5°	432.0	447.1	461.6	475.2	480.9	486.6	495.0	502.6	504.8	504.8	504.8
155°	425.9	438.8	450.9	462.3	466.8	471.4	478.3	484.3	485.9	486.6	485.9
157.5°	419.0	429.7	440.3	449.4	453.2	457.0	463.1	467.6	469.2	469.2	469.2
160°	412.2	422.1	430.4	438.0	440.6	443.3	448.7	453.2	453.2	452.5	453.2
162.5°	405.4	413.0	419.8	426.6	428.9	431.2	434.2	438.0	438.0	437.3	438.0
165°	399.3	405.4	409.9	415.3	417.2	419.0	422.1	425.1	424.4	424.4	424.4
167.5°	393.2	398.6	402.3	405.4	406.9	408.4	409.9	412.2	411.5	411.5	411.5
170°	387.9	391.7	394.0	397.0	397.8	398.6	399.3	400.8	400.1	400.1	400.1
172.5°	382.6	385.6	387.2	389.4	389.8	390.2	390.2	391.7	390.2	389.4	390.2
175°	378.8	380.3	381.1	382.6	382.6	382.6	382.6	383.4	382.6	381.9	382.6
177.5°	375.8	376.5	377.3	378.1	378.1	378.1	377.3	378.1	376.5	376.5	376.5
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-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°	22.0	21.3	22.0	21.2	20.5	19.7	19.0	18.2	19.0	16.7	14.4
92.5°	41.0	44.0	45.5	48.2	50.9	58.5	75.2	105.5	141.2	156.4	116.9
95°	96.4	103.2	117.7	131.4	145.0	185.2	273.3	365.1	450.2	400.8	276.3
97.5°	207.2	236.1	287.0	330.2	373.5	473.7	627.8	715.9	692.3	517.0	307.5
100°	504.8	560.2	636.9	690.8	744.7	833.5	895.0	868.5	718.9	485.9	286.2
102.5°	799.4	840.4	895.8	925.0	954.2	996.8	983.9	876.1	669.6	440.3	268.0
105°	993.7	1022.6	1057.5	1067.4	1077.2	1062.8	986.9	828.2	610.4	404.6	261.1
107.5°	1122.0	1135.7	1140.2	1130.0	1119.7	1060.5	941.3	759.9	558.0	378.8	259.6
110°	1185.8	1179.7	1158.5	1131.9	1105.3	1009.7	870.0	696.1	514.7	365.1	263.4

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1190.3	1168.3	1125.1	1089.0	1052.9	942.9	799.4	640.7	485.9	357.6	271.0
115°	1155.4	1122.0	1065.1	1023.7	982.3	870.7	738.6	598.2	466.9	356.8	279.4
117.5°	1093.2	1056.0	996.8	953.9	911.0	808.5	691.6	570.1	454.0	357.6	290.0
120°	1028.6	986.1	926.2	887.8	849.5	758.4	655.9	548.9	445.6	360.6	302.1
122.5°	959.6	922.4	870.7	835.8	800.9	718.2	627.8	531.4	440.3	365.9	313.5
125°	901.9	868.5	819.9	789.5	759.1	686.3	603.5	517.0	435.7	371.2	325.7
127.5°	852.5	823.7	779.6	751.6	723.5	656.7	581.5	503.3	433.5	377.3	335.5
130°	810.0	782.7	742.4	716.6	690.8	629.3	561.0	492.7	431.2	383.4	345.4
132.5°	772.8	745.5	708.3	684.0	659.7	603.5	542.0	482.8	430.4	387.9	354.5
135°	731.8	709.0	671.8	650.2	628.6	579.2	525.3	474.5	429.7	392.5	362.1
137.5°	693.1	669.6	637.7	618.4	599.0	554.9	509.4	466.9	428.2	395.5	368.2
140°	653.6	632.4	603.5	587.2	570.9	534.4	495.7	460.0	427.4	398.6	372.7
142.5°	614.1	595.9	572.4	558.8	545.1	514.7	482.8	454.0	425.9	400.8	377.3
145°	579.2	563.3	544.3	533.3	522.3	498.0	472.9	448.7	424.4	401.6	380.3
147.5°	548.1	536.7	521.5	513.6	505.6	485.1	464.6	443.3	422.1	401.6	382.6
150°	523.1	514.7	503.3	496.1	488.9	472.9	455.5	438.0	419.0	401.6	383.4
152.5°	502.6	495.0	486.6	480.9	475.2	461.6	447.1	432.0	415.3	399.3	384.9
155°	484.3	478.3	471.4	466.8	462.3	450.9	438.8	425.9	410.7	397.8	384.9
157.5°	467.6	463.1	457.0	453.2	449.4	440.3	429.7	419.0	406.9	395.5	385.6
160°	453.2	448.7	443.3	440.6	438.0	430.4	422.1	412.2	402.3	394.0	385.6
162.5°	438.0	434.2	431.2	428.9	426.6	419.8	413.0	405.4	397.8	391.0	384.9
165°	425.1	422.1	419.0	417.2	415.3	409.9	405.4	399.3	393.2	387.9	383.4
167.5°	412.2	409.9	408.4	406.9	405.4	402.3	398.6	393.2	388.7	384.9	382.6
170°	400.8	399.3	398.6	397.8	397.0	394.0	391.7	387.9	384.1	381.9	380.3
172.5°	391.7	390.2	390.2	389.8	389.4	387.2	385.6	382.6	380.3	379.6	379.6
175°	383.4	382.6	382.6	382.6	382.6	381.1	380.3	378.8	377.3	377.3	378.1
177.5°	378.1	377.3	378.1	378.1	378.1	377.3	376.5	375.8	375.0	375.8	377.3
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-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°	12.1	9.9	9.2	8.4	6.8	4.6	3.0	1.5	3.0	4.6	6.8
92.5°	76.7	52.4	45.6	38.7	31.1	24.3	16.7	11.4	16.7	24.3	31.1
95°	163.2	98.7	83.9	69.1	49.3	36.4	28.1	25.8	28.1	36.4	49.3
97.5°	176.1	112.4	96.1	79.7	60.0	48.6	41.8	41.0	41.8	48.6	60.0
100°	173.8	120.7	105.9	91.1	72.9	62.2	56.9	56.2	56.9	62.2	72.9
102.5°	176.9	130.6	117.3	104.0	88.1	78.2	73.6	72.1	73.6	78.2	88.1
105°	183.0	142.0	130.2	118.4	104.0	94.9	90.3	88.1	90.3	94.9	104.0
107.5°	192.8	156.4	145.4	134.4	120.7	111.6	107.0	104.8	107.0	111.6	120.7
110°	205.7	171.6	161.0	150.3	137.4	129.1	125.3	123.0	125.3	129.1	137.4

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	218.6	187.5	177.2	167.0	154.1	145.8	142.0	139.7	142.0	145.8	154.1
115°	233.1	204.2	194.0	183.7	170.8	163.2	158.7	155.6	158.7	163.2	170.8
117.5°	248.2	219.4	209.9	200.4	186.0	179.2	175.4	171.6	175.4	179.2	186.0
120°	262.7	235.3	225.8	216.4	201.9	194.3	190.5	188.3	190.5	194.3	201.9
122.5°	277.8	251.3	241.0	230.8	217.1	208.8	205.0	202.7	205.0	208.8	217.1
125°	292.3	265.7	255.4	245.2	230.8	222.4	217.9	216.4	217.9	222.4	230.8
127.5°	305.2	279.4	269.2	258.9	242.9	234.6	229.3	227.0	229.3	234.6	242.9
130°	316.6	291.5	281.2	271.0	255.1	246.0	239.1	236.9	239.1	246.0	255.1
132.5°	326.4	302.1	292.2	282.4	266.5	255.1	247.5	244.4	247.5	255.1	266.5
135°	336.3	312.8	302.6	292.3	276.3	264.9	256.6	253.6	256.6	264.9	276.3
137.5°	343.1	320.4	310.9	301.4	285.4	273.3	264.9	261.9	264.9	273.3	285.4
140°	350.0	328.0	318.5	309.0	293.8	281.6	274.1	270.3	274.1	281.6	293.8
142.5°	355.3	334.0	325.3	316.6	301.4	290.8	282.4	279.4	282.4	290.8	301.4
145°	359.8	340.1	331.4	322.6	309.7	298.3	291.5	289.2	291.5	298.3	309.7
147.5°	363.6	345.4	337.8	330.2	317.3	307.5	300.6	299.1	300.6	307.5	317.3
150°	367.4	350.0	343.2	336.3	325.7	315.8	309.7	309.0	309.7	315.8	325.7
152.5°	369.7	355.3	348.8	342.4	333.3	324.9	318.8	318.8	318.8	324.9	333.3
155°	372.7	359.8	354.5	349.2	340.9	333.3	328.7	328.7	328.7	333.3	340.9
157.5°	374.3	363.6	359.5	355.3	347.7	340.9	337.1	336.3	337.1	340.9	347.7
160°	376.5	367.4	363.6	359.8	354.5	348.4	345.4	345.4	345.4	348.4	354.5
162.5°	377.3	369.7	366.6	363.6	359.1	354.5	352.2	352.2	352.2	354.5	359.1
165°	378.1	372.0	369.4	366.7	363.6	359.8	358.3	359.1	358.3	359.8	363.6
167.5°	378.1	373.5	371.6	369.7	367.4	364.4	363.6	364.4	363.6	364.4	367.4
170°	377.3	373.5	372.8	372.0	370.5	368.2	367.4	368.9	367.4	368.2	370.5
172.5°	377.3	374.3	373.9	373.5	372.7	371.2	371.2	372.0	371.2	371.2	372.7
175°	376.5	375.0	374.6	374.3	374.3	372.7	373.5	374.3	373.5	372.7	374.3
177.5°	375.8	375.0	375.0	375.0	375.0	374.3	375.0	375.8	375.0	374.3	375.0
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-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°	8.4	9.2	9.9	12.1	14.4	16.7	19.0	18.2	19.0	19.7	20.5
92.5°	38.7	45.6	52.4	76.7	116.9	156.4	141.2	105.5	75.2	58.5	50.9
95°	69.1	83.9	98.7	163.2	276.3	400.8	450.2	365.1	273.3	185.2	145.0
97.5°	79.7	96.1	112.4	176.1	307.5	517.0	692.3	715.9	627.8	473.7	373.5
100°	91.1	105.9	120.7	173.8	286.2	485.9	718.9	868.5	895.0	833.5	744.7
102.5°	104.0	117.3	130.6	176.9	268.0	440.3	669.6	876.1	983.9	996.8	954.2
105°	118.4	130.2	142.0	183.0	261.1	404.6	610.4	828.2	986.9	1062.8	1077.2
107.5°	134.4	145.4	156.4	192.8	259.6	378.8	558.0	759.9	941.3	1060.5	1119.7
110°	150.3	161.0	171.6	205.7	263.4	365.1	514.7	696.1	870.0	1009.7	1105.3

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	167.0	177.2	187.5	218.6	271.0	357.6	485.9	640.7	799.4	942.9	1052.9
115°	183.7	194.0	204.2	233.1	279.4	356.8	466.9	598.2	738.6	870.7	982.3
117.5°	200.4	209.9	219.4	248.2	290.0	357.6	454.0	570.1	691.6	808.5	911.0
120°	216.4	225.8	235.3	262.7	302.1	360.6	445.6	548.9	655.9	758.4	849.5
122.5°	230.8	241.0	251.3	277.8	313.5	365.9	440.3	531.4	627.8	718.2	800.9
125°	245.2	255.4	265.7	292.3	325.7	371.2	435.7	517.0	603.5	686.3	759.1
127.5°	258.9	269.2	279.4	305.2	335.5	377.3	433.5	503.3	581.5	656.7	723.5
130°	271.0	281.2	291.5	316.6	345.4	383.4	431.2	492.7	561.0	629.3	690.8
132.5°	282.4	292.2	302.1	326.4	354.5	387.9	430.4	482.8	542.0	603.5	659.7
135°	292.3	302.6	312.8	336.3	362.1	392.5	429.7	474.5	525.3	579.2	628.6
137.5°	301.4	310.9	320.4	343.1	368.2	395.5	428.2	466.9	509.4	554.9	599.0
140°	309.0	318.5	328.0	350.0	372.7	398.6	427.4	460.0	495.7	534.4	570.9
142.5°	316.6	325.3	334.0	355.3	377.3	400.8	425.9	454.0	482.8	514.7	545.1
145°	322.6	331.4	340.1	359.8	380.3	401.6	424.4	448.7	472.9	498.0	522.3
147.5°	330.2	337.8	345.4	363.6	382.6	401.6	422.1	443.3	464.6	485.1	505.6
150°	336.3	343.2	350.0	367.4	383.4	401.6	419.0	438.0	455.5	472.9	488.9
152.5°	342.4	348.8	355.3	369.7	384.9	399.3	415.3	432.0	447.1	461.6	475.2
155°	349.2	354.5	359.8	372.7	384.9	397.8	410.7	425.9	438.8	450.9	462.3
157.5°	355.3	359.5	363.6	374.3	385.6	395.5	406.9	419.0	429.7	440.3	449.4
160°	359.8	363.6	367.4	376.5	385.6	394.0	402.3	412.2	422.1	430.4	438.0
162.5°	363.6	366.6	369.7	377.3	384.9	391.0	397.8	405.4	413.0	419.8	426.6
165°	366.7	369.4	372.0	378.1	383.4	387.9	393.2	399.3	405.4	409.9	415.3
167.5°	369.7	371.6	373.5	378.1	382.6	384.9	388.7	393.2	398.6	402.3	405.4
170°	372.0	372.8	373.5	377.3	380.3	381.9	384.1	387.9	391.7	394.0	397.0
172.5°	373.5	373.9	374.3	377.3	379.6	379.6	380.3	382.6	385.6	387.2	389.4
175°	374.3	374.6	375.0	376.5	378.1	377.3	377.3	378.8	380.3	381.1	382.6
177.5°	375.0	375.0	375.0	375.8	377.3	375.8	375.0	375.8	376.5	377.3	378.1
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-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°	21.2	22.0	21.3	22.0	22.8	22.0	22.8	22.0	21.3	22.0	21.2
92.5°	48.2	45.5	44.0	41.0	41.8	40.2	41.8	41.0	44.0	45.5	48.2
95°	131.4	117.7	103.2	96.4	91.1	88.1	91.1	96.4	103.2	117.7	131.4
97.5°	330.2	287.0	236.1	207.2	189.0	180.7	189.0	207.2	236.1	287.0	330.2
100°	690.8	636.9	560.2	504.8	475.2	476.0	475.2	504.8	560.2	636.9	690.8
102.5°	925.0	895.8	840.4	799.4	775.8	753.8	775.8	799.4	840.4	895.8	925.0
105°	1067.4	1057.5	1022.6	993.7	969.4	965.6	969.4	993.7	1022.6	1057.5	1067.4
107.5°	1130.0	1140.2	1135.7	1122.0	1112.1	1103.8	1112.1	1122.0	1135.7	1140.2	1130.0
110°	1131.9	1158.5	1179.7	1185.8	1184.3	1182.7	1184.3	1185.8	1179.7	1158.5	1131.9

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1089.0	1125.1	1168.3	1190.3	1197.9	1198.7	1197.9	1190.3	1168.3	1125.1	1089.0
115°	1023.7	1065.1	1122.0	1155.4	1170.6	1174.4	1170.6	1155.4	1122.0	1065.1	1023.7
117.5°	953.9	996.8	1056.0	1093.2	1115.9	1121.3	1115.9	1093.2	1056.0	996.8	953.9
120°	887.8	926.2	986.1	1028.6	1046.9	1051.4	1046.9	1028.6	986.1	926.2	887.8
122.5°	835.8	870.7	922.4	959.6	980.1	986.1	980.1	959.6	922.4	870.7	835.8
125°	789.5	819.9	868.5	901.9	920.8	926.2	920.8	901.9	868.5	819.9	789.5
127.5°	751.6	779.6	823.7	852.5	870.0	874.5	870.0	852.5	823.7	779.6	751.6
130°	716.6	742.4	782.7	810.0	826.0	832.0	826.0	810.0	782.7	742.4	716.6
132.5°	684.0	708.3	745.5	772.8	786.5	790.3	786.5	772.8	745.5	708.3	684.0
135°	650.2	671.8	709.0	731.8	745.5	750.8	745.5	731.8	709.0	671.8	650.2
137.5°	618.4	637.7	669.6	693.1	704.5	709.0	704.5	693.1	669.6	637.7	618.4
140°	587.2	603.5	632.4	653.6	665.8	665.0	665.8	653.6	632.4	603.5	587.2
142.5°	558.8	572.4	595.9	614.1	624.8	624.0	624.8	614.1	595.9	572.4	558.8
145°	533.3	544.3	563.3	579.2	585.3	586.8	585.3	579.2	563.3	544.3	533.3
147.5°	513.6	521.5	536.7	548.1	554.2	554.9	554.2	548.1	536.7	521.5	513.6
150°	496.1	503.3	514.7	523.1	527.6	527.6	527.6	523.1	514.7	503.3	496.1
152.5°	480.9	486.6	495.0	502.6	504.8	504.8	504.8	502.6	495.0	486.6	480.9
155°	466.8	471.4	478.3	484.3	485.9	486.6	485.9	484.3	478.3	471.4	466.8
157.5°	453.2	457.0	463.1	467.6	469.2	469.2	469.2	467.6	463.1	457.0	453.2
160°	440.6	443.3	448.7	453.2	453.2	452.5	453.2	453.2	448.7	443.3	440.6
162.5°	428.9	431.2	434.2	438.0	438.0	437.3	438.0	438.0	434.2	431.2	428.9
165°	417.2	419.0	422.1	425.1	424.4	424.4	424.4	425.1	422.1	419.0	417.2
167.5°	406.9	408.4	409.9	412.2	411.5	411.5	411.5	412.2	409.9	408.4	406.9
170°	397.8	398.6	399.3	400.8	400.1	400.1	400.1	400.8	399.3	398.6	397.8
172.5°	389.8	390.2	390.2	391.7	390.2	389.4	390.2	391.7	390.2	390.2	389.8
175°	382.6	382.6	382.6	383.4	382.6	381.9	382.6	383.4	382.6	382.6	382.6
177.5°	378.1	378.1	377.3	378.1	376.5	376.5	376.5	378.1	377.3	378.1	378.1
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-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°	20.5	19.7	19.0	18.2	19.0	16.7	14.4	12.1	9.9	9.2	8.4
92.5°	50.9	58.5	75.2	105.5	141.2	156.4	116.9	76.7	52.4	45.6	38.7
95°	145.0	185.2	273.3	365.1	450.2	400.8	276.3	163.2	98.7	83.9	69.1
97.5°	373.5	473.7	627.8	715.9	692.3	517.0	307.5	176.1	112.4	96.1	79.7
100°	744.7	833.5	895.0	868.5	718.9	485.9	286.2	173.8	120.7	105.9	91.1
102.5°	954.2	996.8	983.9	876.1	669.6	440.3	268.0	176.9	130.6	117.3	104.0
105°	1077.2	1062.8	986.9	828.2	610.4	404.6	261.1	183.0	142.0	130.2	118.4
107.5°	1119.7	1060.5	941.3	759.9	558.0	378.8	259.6	192.8	156.4	145.4	134.4
110°	1105.3	1009.7	870.0	696.1	514.7	365.1	263.4	205.7	171.6	161.0	150.3

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1052.9	942.9	799.4	640.7	485.9	357.6	271.0	218.6	187.5	177.2	167.0
115°	982.3	870.7	738.6	598.2	466.9	356.8	279.4	233.1	204.2	194.0	183.7
117.5°	911.0	808.5	691.6	570.1	454.0	357.6	290.0	248.2	219.4	209.9	200.4
120°	849.5	758.4	655.9	548.9	445.6	360.6	302.1	262.7	235.3	225.8	216.4
122.5°	800.9	718.2	627.8	531.4	440.3	365.9	313.5	277.8	251.3	241.0	230.8
125°	759.1	686.3	603.5	517.0	435.7	371.2	325.7	292.3	265.7	255.4	245.2
127.5°	723.5	656.7	581.5	503.3	433.5	377.3	335.5	305.2	279.4	269.2	258.9
130°	690.8	629.3	561.0	492.7	431.2	383.4	345.4	316.6	291.5	281.2	271.0
132.5°	659.7	603.5	542.0	482.8	430.4	387.9	354.5	326.4	302.1	292.2	282.4
135°	628.6	579.2	525.3	474.5	429.7	392.5	362.1	336.3	312.8	302.6	292.3
137.5°	599.0	554.9	509.4	466.9	428.2	395.5	368.2	343.1	320.4	310.9	301.4
140°	570.9	534.4	495.7	460.0	427.4	398.6	372.7	350.0	328.0	318.5	309.0
142.5°	545.1	514.7	482.8	454.0	425.9	400.8	377.3	355.3	334.0	325.3	316.6
145°	522.3	498.0	472.9	448.7	424.4	401.6	380.3	359.8	340.1	331.4	322.6
147.5°	505.6	485.1	464.6	443.3	422.1	401.6	382.6	363.6	345.4	337.8	330.2
150°	488.9	472.9	455.5	438.0	419.0	401.6	383.4	367.4	350.0	343.2	336.3
152.5°	475.2	461.6	447.1	432.0	415.3	399.3	384.9	369.7	355.3	348.8	342.4
155°	462.3	450.9	438.8	425.9	410.7	397.8	384.9	372.7	359.8	354.5	349.2
157.5°	449.4	440.3	429.7	419.0	406.9	395.5	385.6	374.3	363.6	359.5	355.3
160°	438.0	430.4	422.1	412.2	402.3	394.0	385.6	376.5	367.4	363.6	359.8
162.5°	426.6	419.8	413.0	405.4	397.8	391.0	384.9	377.3	369.7	366.6	363.6
165°	415.3	409.9	405.4	399.3	393.2	387.9	383.4	378.1	372.0	369.4	366.7
167.5°	405.4	402.3	398.6	393.2	388.7	384.9	382.6	378.1	373.5	371.6	369.7
170°	397.0	394.0	391.7	387.9	384.1	381.9	380.3	377.3	373.5	372.8	372.0
172.5°	389.4	387.2	385.6	382.6	380.3	379.6	379.6	377.3	374.3	373.9	373.5
175°	382.6	381.1	380.3	378.8	377.3	377.3	378.1	376.5	375.0	374.6	374.3
177.5°	378.1	377.3	376.5	375.8	375.0	375.8	377.3	375.8	375.0	375.0	375.0
180°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-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°	6.8	4.6	3.0	1.5
92.5°	31.1	24.3	16.7	11.4
95°	49.3	36.4	28.1	25.8
97.5°	60.0	48.6	41.8	41.0
100°	72.9	62.2	56.9	56.2
102.5°	88.1	78.2	73.6	72.1
105°	104.0	94.9	90.3	88.1
107.5°	120.7	111.6	107.0	104.8
110°	137.4	129.1	125.3	123.0

TEST NUMBER: P1012688

CATALOG NUMBER: S123RDIP-B560D805UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	154.1	145.8	142.0	139.7
115°	170.8	163.2	158.7	155.6
117.5°	186.0	179.2	175.4	171.6
120°	201.9	194.3	190.5	188.3
122.5°	217.1	208.8	205.0	202.7
125°	230.8	222.4	217.9	216.4
127.5°	242.9	234.6	229.3	227.0
130°	255.1	246.0	239.1	236.9
132.5°	266.5	255.1	247.5	244.4
135°	276.3	264.9	256.6	253.6
137.5°	285.4	273.3	264.9	261.9
140°	293.8	281.6	274.1	270.3
142.5°	301.4	290.8	282.4	279.4
145°	309.7	298.3	291.5	289.2
147.5°	317.3	307.5	300.6	299.1
150°	325.7	315.8	309.7	309.0
152.5°	333.3	324.9	318.8	318.8
155°	340.9	333.3	328.7	328.7
157.5°	347.7	340.9	337.1	336.3
160°	354.5	348.4	345.4	345.4
162.5°	359.1	354.5	352.2	352.2
165°	363.6	359.8	358.3	359.1
167.5°	367.4	364.4	363.6	364.4
170°	370.5	368.2	367.4	368.9
172.5°	372.7	371.2	371.2	372.0
175°	374.3	372.7	373.5	374.3
177.5°	375.0	374.3	375.0	375.8
180°	375.0	375.0	375.0	375.0

(END OF REPORT)