

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: P1012614

Luminaire Tested: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012614
REPORT IS A COMBINATION OF REPORTS P993401 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B560D365UB27-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

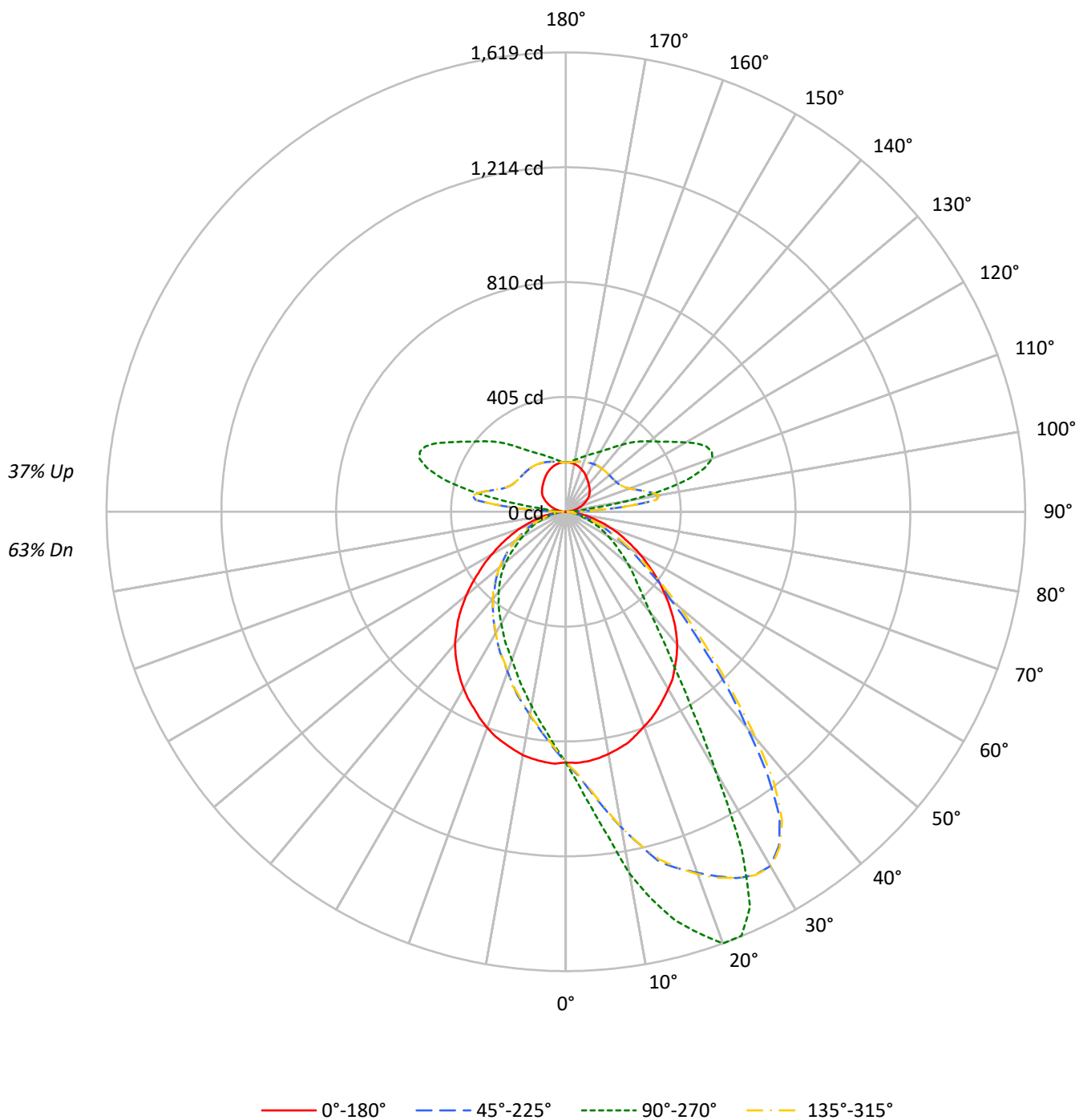
Lumens per Lamp: N/A
Luminaire Lumens: 3511.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 33.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68
1	101	97	94	90	95	91	88	85	80	78	76	70	69	67	61	60	59
2	93	86	80	75	87	81	76	71	71	67	64	63	60	57	55	53	51
3	85	76	69	63	80	72	65	60	64	59	55	56	52	49	49	46	44
4	78	68	60	54	73	64	57	52	57	52	47	50	46	43	44	41	38
5	72	61	53	47	68	58	50	45	51	46	41	46	41	38	40	37	34
6	67	55	47	41	63	52	45	40	47	41	36	42	37	33	37	33	30
7	62	50	42	37	58	47	40	35	43	37	32	38	33	30	34	30	27
8	58	46	38	33	54	43	36	31	39	33	29	35	30	27	31	27	24
9	54	42	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22
10	50	38	31	26	47	37	30	26	33	28	24	30	25	22	27	23	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9510	9510	9510	9510
5°	9518	10953	9542	8126
10°	9434	13222	9475	7098
15°	9336	15006	9336	6258
20°	9145	16186	9196	5551
25°	9004	15378	8987	5066
30°	8841	10655	8823	4590
35°	8645	6841	8606	4232
40°	8401	4831	8359	3876
45°	7977	3865	7965	3528
50°	7454	3234	7430	3122
55°	6867	2665	6811	2647
60°	6289	2203	6227	2251
65°	5613	1763	5649	1908
70°	4989	1225	5124	1543
75°	4230	909	4401	1186
80°	3366	603	3654	889
85°	2401	286	2613	554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	2.5
10°-20°	271.6	7.7
20°-30°	427.8	12.2
30°-40°	444.8	12.7
40°-50°	380.6	10.8
50°-60°	290.1	8.3
60°-70°	185.9	5.3
70°-80°	89.1	2.5
80°-90°	24.4	0.7
90°-100°	94.5	2.7
100°-110°	276.7	7.9
110°-120°	270.2	7.7
120°-130°	215.2	6.1
130°-140°	169.8	4.8
140°-150°	126.6	3.6
150°-160°	88.3	2.5
160°-170°	51.9	1.5
170°-180°	16.9	0.5
0°-30°	786.1	22.4
0°-40°	1231.0	35.1
0°-60°	1901.6	54.2
0°-90°	2201.0	62.7
90°-120°	641.4	18.3
90°-150°	1153.0	32.8
90°-180°	1310.0	37.3
0°-180°	3511.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	884	884	884	884	884	
5°	883	1049	885	778	883	84
15°	843	1491	843	622	843	237
25°	767	1536	766	506	767	353
35°	669	666	666	412	669	419
45°	537	356	536	324	537	414
55°	379	223	376	222	379	340
65°	232	129	234	139	232	232
75°	111	54	116	71	111	120
85°	25	13	27	25	25	28
90°	1	10	1	10	1	2
95°	12	41	12	41	12	13
105°	41	448	41	448	41	43
115°	72	545	72	545	72	72
125°	100	430	100	430	100	89
135°	118	349	118	349	118	91
145°	134	272	134	272	134	84
155°	153	226	153	226	153	70
165°	167	197	167	197	167	47
175°	174	177	174	177	174	17
180°	174	174	174	174	174	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	885.8	891.8	896.4	899.4	907.0	911.5	915.3	922.1	922.1	923.6	926.6
5°	882.8	895.6	904.7	916.8	932.7	940.2	950.8	959.9	972.8	979.6	986.4
7.5°	876.0	894.1	913.0	931.2	954.6	969.7	980.3	1003.8	1020.4	1040.9	1056.7
10°	866.9	891.8	916.0	944.0	975.8	998.5	1014.4	1045.4	1077.2	1105.9	1130.1
12.5°	855.5	885.8	920.6	954.6	999.2	1021.9	1047.7	1086.2	1131.6	1167.9	1200.5
15°	843.4	878.2	917.6	959.2	1015.1	1046.9	1084.0	1130.9	1181.5	1233.7	1278.4
17.5°	824.5	868.4	912.3	972.8	1038.6	1057.5	1089.3	1153.6	1216.3	1263.2	1317.7
20°	805.6	854.8	910.0	964.5	1035.6	1079.4	1108.9	1177.0	1244.3	1301.1	1353.3
22.5°	788.2	839.6	897.1	966.0	1032.5	1076.4	1113.5	1184.6	1262.5	1326.0	1390.3
25°	767.0	823.0	886.5	951.6	1032.5	1065.8	1106.7	1189.1	1271.6	1344.9	1424.4
27.5°	744.3	801.1	863.8	930.4	1004.5	1053.7	1093.8	1182.3	1282.9	1361.6	1443.3
30°	721.6	779.9	840.4	900.2	983.4	1030.3	1076.4	1174.0	1289.0	1379.0	1441.8
32.5°	699.7	748.9	808.6	866.9	949.3	1000.8	1053.0	1165.7	1291.2	1366.9	1397.1
35°	669.4	720.9	769.3	831.3	914.5	965.2	1026.5	1164.9	1281.4	1328.3	1313.2
37.5°	641.5	684.6	730.7	785.9	871.4	937.2	1000.8	1145.2	1248.9	1251.9	1166.4
40°	610.4	646.0	684.6	742.8	835.1	900.2	969.0	1115.0	1189.9	1145.2	994.7
42.5°	574.9	606.7	636.9	693.6	794.3	866.9	941.0	1077.2	1104.4	1001.5	844.9
45°	537.1	562.8	590.8	650.5	751.1	823.0	897.1	1018.9	990.9	845.7	696.7
47.5°	497.7	519.7	546.9	601.4	705.0	778.4	848.7	935.7	864.6	708.8	584.0
50°	458.4	475.8	502.3	558.2	658.1	724.7	789.7	846.4	746.6	608.2	482.6
52.5°	419.8	433.4	460.7	508.3	605.1	668.7	715.6	737.5	636.2	502.3	419.1
55°	379.0	394.1	412.3	460.7	556.7	603.6	634.6	633.9	529.5	425.9	346.4
57.5°	339.6	353.3	369.1	417.6	495.5	527.2	553.7	540.9	441.8	348.7	297.3
60°	304.8	312.4	329.8	370.7	429.7	456.9	472.0	450.1	360.8	294.3	245.8
62.5°	267.0	274.6	289.0	327.5	363.8	378.2	391.1	363.1	298.0	239.8	210.3
65°	232.2	242.1	251.1	282.1	301.8	319.2	317.7	294.3	233.0	195.2	171.0
67.5°	202.0	205.7	213.3	232.2	241.3	254.2	254.9	228.4	187.6	158.9	144.5
70°	169.4	173.2	178.5	187.6	193.6	196.7	195.2	171.7	141.5	124.1	111.2
72.5°	141.5	140.7	144.5	144.5	150.5	149.8	145.2	127.1	107.4	93.0	85.5
75°	111.2	112.0	112.7	111.2	108.9	105.9	102.1	88.5	75.6	68.8	62.0
77.5°	87.0	85.5	86.2	80.9	77.9	74.9	69.6	62.8	52.2	50.7	47.7
80°	62.0	61.3	60.5	58.2	51.4	48.4	44.6	40.8	38.6	37.1	36.3
82.5°	41.6	41.6	40.1	35.6	31.8	29.5	28.7	27.2	25.0	25.0	24.2
85°	25.0	24.2	22.7	18.2	15.9	15.9	15.9	15.9	14.4	14.4	13.6
87.5°	9.8	9.1	6.8	6.8	6.1	6.1	6.1	5.3	5.3	4.5	4.5
90°	0.7	1.4	2.1	3.2	3.9	4.2	4.6	5.6	6.7	7.8	8.8
92.5°	5.3	7.8	11.3	14.5	18.0	21.2	24.3	35.6	54.3	72.6	65.6
95°	12.0	13.0	16.9	22.9	32.1	39.0	45.8	75.8	128.3	186.1	209.1
97.5°	19.0	19.4	22.6	27.9	37.0	44.6	52.2	81.8	142.8	240.1	321.5
100°	26.1	26.4	28.9	33.8	42.3	49.2	56.1	80.7	132.9	225.6	333.9
102.5°	33.5	34.2	36.3	40.9	48.3	54.4	60.6	82.1	124.4	204.5	310.9
105°	40.9	42.0	44.1	48.3	55.0	60.4	65.9	85.0	121.3	187.9	283.4
107.5°	48.7	49.7	51.8	56.1	62.4	67.5	72.6	89.5	120.6	175.9	259.1
110°	57.1	58.2	59.9	63.8	69.8	74.8	79.7	95.5	122.3	169.6	239.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	64.9	65.9	67.7	71.6	77.6	82.4	87.1	101.5	125.9	166.0	225.6
115°	72.3	73.7	75.8	79.3	85.3	90.0	94.8	108.2	129.7	165.7	216.8
117.5°	79.7	81.4	83.2	86.4	93.1	97.5	101.9	115.3	134.7	166.0	210.8
120°	87.4	88.5	90.3	93.8	100.5	104.9	109.3	122.0	140.3	167.5	206.9
122.5°	94.1	95.2	97.0	100.8	107.2	112.0	116.7	129.0	145.6	169.9	204.5
125°	100.5	101.2	103.3	107.2	113.9	118.6	123.4	135.7	151.2	172.4	202.4
127.5°	105.4	106.5	108.9	112.8	120.2	125.0	129.7	141.7	155.8	175.2	201.3
130°	110.0	111.1	114.2	118.5	125.9	130.6	135.4	147.0	160.4	178.0	200.2
132.5°	113.5	114.9	118.5	123.7	131.1	135.7	140.3	151.6	164.6	180.2	199.9
135°	117.8	119.2	123.0	128.3	135.7	140.4	145.2	156.2	168.2	182.3	199.5
137.5°	121.6	123.0	126.9	132.6	140.0	144.4	148.8	159.4	171.0	183.7	198.8
140°	125.5	127.3	130.8	136.4	143.5	147.9	152.3	162.5	173.1	185.1	198.5
142.5°	129.7	131.1	135.0	140.0	147.0	151.0	155.1	165.0	175.2	186.1	197.8
145°	134.3	135.4	138.6	143.8	149.8	153.9	157.9	167.1	176.6	186.5	197.1
147.5°	138.9	139.6	142.8	147.4	153.4	156.9	160.4	168.9	177.7	186.5	196.0
150°	143.5	143.8	146.7	151.2	156.2	159.4	162.5	170.6	178.0	186.5	194.6
152.5°	148.1	148.1	150.9	154.8	159.0	162.0	165.0	171.7	178.7	185.4	192.8
155°	152.7	152.7	154.8	158.3	162.2	164.6	167.1	173.1	178.7	184.7	190.7
157.5°	156.2	156.5	158.3	161.5	165.0	167.0	168.9	173.8	179.1	183.7	189.0
160°	160.4	160.4	161.8	164.6	167.1	168.8	170.6	174.9	179.1	183.0	186.8
162.5°	163.6	163.6	164.6	166.8	168.9	170.3	171.7	175.2	178.7	181.6	184.7
165°	166.8	166.4	167.1	168.9	170.3	171.5	172.7	175.6	178.0	180.2	182.6
167.5°	169.2	168.9	169.2	170.6	171.7	172.6	173.5	175.6	177.7	178.7	180.5
170°	171.3	170.6	171.0	172.0	172.7	173.1	173.5	175.2	176.6	177.3	178.4
172.5°	172.7	172.4	172.4	173.1	173.5	173.6	173.8	175.2	176.3	176.3	176.6
175°	173.8	173.5	173.1	173.8	173.8	174.0	174.2	174.9	175.6	175.2	175.2
177.5°	174.5	174.2	173.8	174.2	174.2	174.2	174.2	174.5	175.2	174.5	174.2
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	932.7	932.7	939.5	946.3	942.5	944.8	953.1	950.1	956.1	955.4	957.6
5°	1003.0	1011.4	1018.2	1032.5	1034.8	1032.5	1046.9	1050.7	1057.5	1049.2	1053.0
7.5°	1082.5	1099.9	1116.5	1137.7	1144.5	1146.0	1153.6	1164.2	1173.2	1156.6	1164.9
10°	1159.6	1186.1	1220.1	1239.0	1255.7	1261.7	1267.8	1274.6	1285.2	1295.0	1287.5
12.5°	1242.8	1281.4	1313.9	1348.0	1368.4	1366.1	1383.5	1388.1	1396.4	1398.6	1401.7
15°	1310.9	1365.4	1385.8	1436.5	1441.0	1456.1	1475.8	1493.2	1495.5	1490.9	1490.9
17.5°	1376.0	1422.9	1459.2	1500.0	1508.3	1521.2	1546.2	1554.5	1557.5	1556.7	1556.7
20°	1428.9	1459.9	1521.2	1555.2	1568.8	1585.5	1602.9	1613.5	1615.7	1618.8	1614.2
22.5°	1463.7	1510.6	1560.5	1588.5	1599.9	1605.9	1617.3	1620.3	1616.5	1617.3	1618.0
25°	1490.9	1537.1	1567.3	1574.9	1574.1	1566.6	1558.3	1543.9	1542.4	1536.3	1524.2
27.5°	1498.5	1515.9	1512.1	1481.1	1450.1	1447.1	1397.1	1369.9	1338.9	1343.4	1326.0
30°	1457.6	1435.0	1381.2	1302.6	1270.1	1217.1	1161.1	1102.9	1080.2	1055.2	1101.4
32.5°	1357.8	1276.9	1181.5	1079.4	1025.0	978.1	918.3	876.0	851.7	831.3	870.7
35°	1207.3	1080.9	954.6	857.8	813.2	770.8	714.8	693.6	663.4	666.4	670.2
37.5°	1013.6	874.4	779.1	683.8	654.3	636.9	596.1	563.5	553.0	549.9	549.9
40°	832.1	717.9	633.1	558.2	535.6	521.2	488.7	473.5	462.2	459.2	462.9
42.5°	688.4	590.8	525.0	475.0	459.2	441.0	427.4	408.5	406.2	400.9	407.7
45°	577.9	493.2	444.0	407.7	394.1	387.3	372.2	360.8	356.3	355.5	360.8
47.5°	490.2	424.4	381.2	358.5	348.0	341.2	328.3	323.8	319.2	320.7	318.5
50°	411.5	362.3	334.3	313.9	307.1	300.3	292.0	287.4	285.2	285.2	284.4
52.5°	353.3	312.4	294.3	275.3	272.3	268.5	259.5	256.4	252.6	251.9	254.9
55°	302.6	274.6	256.4	245.1	242.1	234.5	230.7	226.9	224.7	223.1	223.9
57.5°	258.7	237.5	225.4	215.6	210.3	207.3	200.5	199.7	198.2	198.2	197.4
60°	222.4	207.3	192.9	186.8	183.1	179.3	178.5	174.0	171.7	173.2	172.5
62.5°	188.4	176.2	167.9	161.1	158.9	155.8	153.6	152.0	149.8	150.5	150.5
65°	157.3	147.5	141.5	135.4	134.6	131.6	130.9	129.4	129.4	128.6	130.1
67.5°	129.4	122.5	117.2	113.5	111.2	112.0	108.9	106.7	106.7	105.9	108.2
70°	102.9	99.1	93.8	89.3	86.2	86.2	82.5	81.7	81.7	81.7	80.9
72.5°	79.4	72.6	70.3	68.8	68.8	68.8	67.3	67.3	66.6	67.3	66.6
75°	59.0	58.2	56.7	56.0	56.0	55.2	54.5	54.5	54.5	54.5	54.5
77.5°	46.1	46.1	44.6	43.9	43.9	43.9	43.1	43.1	42.4	42.4	42.4
80°	34.0	34.0	32.5	32.5	32.5	31.8	31.8	31.8	32.5	31.8	31.8
82.5°	23.4	23.4	22.7	23.4	22.7	21.9	21.9	21.9	21.2	21.9	21.9
85°	13.6	13.6	12.9	12.1	12.9	12.9	12.1	12.9	12.1	12.9	12.1
87.5°	5.3	4.5	4.5	4.5	3.8	4.5	3.8	3.8	4.5	3.8	4.5
90°	8.5	8.8	9.2	9.5	9.8	10.2	9.9	10.2	10.6	10.2	10.6
92.5°	49.0	34.9	27.1	23.6	22.4	21.2	20.4	19.0	19.4	18.7	19.4
95°	169.6	126.9	86.0	67.3	61.0	54.6	47.9	44.8	42.3	40.9	42.3
97.5°	332.5	291.6	220.0	173.5	153.4	133.3	109.6	96.2	87.8	83.9	87.8
100°	403.3	415.7	387.1	345.8	320.8	295.8	260.2	234.4	220.7	221.0	220.7
102.5°	406.8	456.9	462.9	443.2	429.6	416.0	390.3	371.2	360.3	350.1	360.3
105°	384.6	458.3	493.6	500.3	495.7	491.1	474.9	461.5	450.2	448.4	450.2
107.5°	352.9	437.2	492.5	520.0	524.8	529.5	527.4	521.1	516.5	512.6	516.5
110°	323.3	404.0	468.9	513.3	525.6	538.0	547.9	550.7	550.0	549.3	550.0

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	297.5	371.2	437.9	489.0	505.8	522.5	542.6	552.8	556.3	556.7	556.3
115°	277.8	343.0	404.4	456.2	475.4	494.6	521.1	536.6	543.6	545.4	543.6
117.5°	264.8	321.2	375.5	423.1	443.0	462.9	490.4	507.7	518.2	520.7	518.2
120°	254.9	304.6	352.2	394.5	412.3	430.1	458.0	477.7	486.2	488.3	486.2
122.5°	246.8	291.6	333.5	371.9	388.2	404.4	428.3	445.6	455.1	458.0	455.1
125°	240.1	280.3	318.7	352.5	366.6	380.8	403.3	418.8	427.6	430.1	427.6
127.5°	233.7	270.1	305.0	336.0	349.0	362.1	382.5	395.9	404.0	406.1	404.0
130°	228.8	260.5	292.3	320.8	332.8	344.8	363.5	376.2	383.6	386.4	383.6
132.5°	224.2	251.7	280.3	306.4	317.6	328.9	346.2	358.9	365.2	367.0	365.2
135°	220.3	244.0	269.0	291.9	302.0	312.0	329.3	339.9	346.2	348.7	346.2
137.5°	216.8	236.6	257.7	278.2	287.2	296.1	310.9	321.9	327.2	329.3	327.2
140°	213.6	230.2	248.2	265.1	272.7	280.3	293.7	303.5	309.2	308.8	309.2
142.5°	210.8	224.2	239.0	253.1	259.4	265.8	276.7	285.2	290.1	289.8	290.1
145°	208.4	219.6	231.3	242.6	247.7	252.8	261.6	269.0	271.8	272.5	271.8
147.5°	205.9	215.8	225.3	234.8	238.5	242.2	249.3	254.5	257.4	257.7	257.4
150°	203.4	211.5	219.6	227.0	230.4	233.7	239.0	242.9	245.0	245.0	245.0
152.5°	200.6	207.7	214.3	220.7	223.4	226.0	229.9	233.4	234.4	234.4	234.4
155°	197.8	203.8	209.4	214.7	216.8	218.9	222.1	224.9	225.6	226.0	225.6
157.5°	194.6	199.5	204.5	208.7	210.4	212.2	215.1	217.2	217.9	217.9	217.9
160°	191.4	196.0	199.9	203.4	204.6	205.9	208.4	210.5	210.5	210.1	210.5
162.5°	188.3	191.8	195.0	198.1	199.1	200.2	201.7	203.4	203.4	203.1	203.4
165°	185.4	188.3	190.4	192.8	193.7	194.6	196.0	197.4	197.1	197.1	197.1
167.5°	182.6	185.1	186.8	188.3	189.0	189.7	190.4	191.4	191.1	191.1	191.1
170°	180.2	181.9	183.0	184.4	184.8	185.1	185.4	186.1	185.8	185.8	185.8
172.5°	177.7	179.1	179.8	180.9	181.0	181.2	181.2	181.9	181.2	180.9	181.2
175°	175.9	176.6	177.0	177.7	177.7	177.7	177.7	178.0	177.7	177.3	177.7
177.5°	174.5	174.9	175.2	175.6	175.6	175.6	175.2	175.6	174.9	174.9	174.9
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	953.9	949.3	946.3	944.0	941.8	948.6	939.5	929.7	922.8	918.3	916.8
5°	1053.7	1043.9	1035.6	1028.7	1030.3	1030.3	1014.4	997.0	981.9	973.5	964.5
7.5°	1169.4	1158.9	1142.2	1138.4	1135.4	1116.5	1100.6	1068.8	1049.9	1031.0	1014.4
10°	1284.4	1270.8	1254.9	1249.6	1242.1	1218.6	1194.4	1153.6	1130.1	1095.3	1073.4
12.5°	1391.8	1375.2	1359.3	1355.5	1344.2	1323.8	1282.2	1239.8	1199.7	1162.6	1124.1
15°	1481.9	1477.3	1453.1	1438.0	1413.0	1385.0	1376.0	1318.5	1267.8	1229.2	1159.6
17.5°	1557.5	1536.3	1513.6	1503.8	1494.0	1461.4	1428.9	1369.9	1315.4	1258.7	1214.1
20°	1618.0	1594.6	1578.7	1564.3	1559.8	1522.7	1471.3	1419.1	1359.3	1295.8	1237.5
22.5°	1621.0	1618.0	1607.4	1599.1	1590.0	1565.8	1525.0	1459.9	1396.4	1326.8	1250.4
25°	1558.3	1553.7	1584.0	1576.4	1582.5	1573.4	1551.4	1497.0	1422.9	1341.2	1264.0
27.5°	1369.1	1415.3	1462.9	1479.6	1490.9	1523.5	1534.0	1503.8	1444.0	1357.0	1270.8
30°	1112.0	1173.2	1250.4	1292.0	1323.8	1384.3	1462.9	1472.8	1444.8	1375.2	1269.3
32.5°	872.9	928.9	990.9	1040.1	1082.5	1206.5	1312.4	1388.8	1402.4	1366.1	1273.1
35°	703.5	727.7	786.7	833.6	891.1	997.0	1121.8	1245.1	1328.3	1332.8	1261.7
37.5°	580.2	593.0	644.5	671.0	705.0	798.0	914.5	1075.6	1205.0	1266.3	1230.0
40°	480.3	509.8	539.3	554.5	578.7	643.0	754.9	881.2	1041.6	1155.1	1180.8
42.5°	416.8	429.7	448.6	469.7	484.9	540.9	615.7	731.5	876.0	1034.0	1105.1
45°	367.6	372.2	391.8	405.4	421.3	460.7	513.6	610.4	737.5	893.3	1014.4
47.5°	326.8	335.9	346.4	354.8	365.4	395.6	441.0	511.3	623.3	762.5	892.6
50°	290.5	295.8	309.4	313.2	320.7	341.9	376.7	430.4	522.7	633.9	768.5
52.5°	256.4	266.3	271.6	276.9	283.7	301.1	323.8	367.6	437.2	541.6	655.8
55°	230.0	233.0	240.5	245.1	250.4	262.5	282.1	314.7	369.1	452.3	560.5
57.5°	204.2	204.2	211.8	215.6	220.9	230.0	247.4	272.3	311.7	373.7	472.8
60°	177.0	177.8	183.8	188.4	189.9	198.9	213.3	233.0	263.2	308.6	389.6
62.5°	152.8	156.6	159.6	161.1	166.4	171.7	183.8	197.4	218.6	258.7	316.2
65°	132.4	133.1	135.4	136.9	139.2	145.2	154.3	163.4	181.5	211.0	257.9
67.5°	108.9	112.0	115.0	115.0	117.2	120.3	129.4	136.9	150.5	167.9	199.7
70°	81.7	83.2	87.7	90.0	93.0	98.3	102.9	107.4	118.0	130.9	155.1
72.5°	68.1	68.1	69.6	70.3	70.3	74.1	80.9	85.5	90.8	99.8	116.5
75°	54.5	54.5	56.7	56.0	57.5	59.0	59.8	62.8	65.8	72.6	82.5
77.5°	43.1	43.9	43.9	44.6	44.6	45.4	46.1	47.7	49.2	53.0	57.5
80°	31.8	32.5	32.5	33.3	33.3	34.0	34.8	35.6	37.1	38.6	40.8
82.5°	21.9	22.7	22.7	23.4	22.7	23.4	24.2	24.2	25.0	26.5	27.2
85°	12.9	12.9	13.6	12.9	12.9	12.9	13.6	13.6	14.4	16.6	16.6
87.5°	3.8	4.5	3.8	4.5	4.5	4.5	4.5	5.3	5.3	6.1	6.8
90°	10.2	9.9	10.2	9.8	9.5	9.2	8.8	8.5	8.8	7.8	6.7
92.5°	19.0	20.4	21.2	22.4	23.6	27.1	34.9	49.0	65.6	72.6	54.3
95°	44.8	47.9	54.6	61.0	67.3	86.0	126.9	169.6	209.1	186.1	128.3
97.5°	96.2	109.6	133.3	153.4	173.5	220.0	291.6	332.5	321.5	240.1	142.8
100°	234.4	260.2	295.8	320.8	345.8	387.1	415.7	403.3	333.9	225.6	132.9
102.5°	371.2	390.3	416.0	429.6	443.2	462.9	456.9	406.8	310.9	204.5	124.4
105°	461.5	474.9	491.1	495.7	500.3	493.6	458.3	384.6	283.4	187.9	121.3
107.5°	521.1	527.4	529.5	524.8	520.0	492.5	437.2	352.9	259.1	175.9	120.6
110°	550.7	547.9	538.0	525.6	513.3	468.9	404.0	323.3	239.0	169.6	122.3

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	552.8	542.6	522.5	505.8	489.0	437.9	371.2	297.5	225.6	166.0	125.9
115°	536.6	521.1	494.6	475.4	456.2	404.4	343.0	277.8	216.8	165.7	129.7
117.5°	507.7	490.4	462.9	443.0	423.1	375.5	321.2	264.8	210.8	166.0	134.7
120°	477.7	458.0	430.1	412.3	394.5	352.2	304.6	254.9	206.9	167.5	140.3
122.5°	445.6	428.3	404.4	388.2	371.9	333.5	291.6	246.8	204.5	169.9	145.6
125°	418.8	403.3	380.8	366.6	352.5	318.7	280.3	240.1	202.4	172.4	151.2
127.5°	395.9	382.5	362.1	349.0	336.0	305.0	270.1	233.7	201.3	175.2	155.8
130°	376.2	363.5	344.8	332.8	320.8	292.3	260.5	228.8	200.2	178.0	160.4
132.5°	358.9	346.2	328.9	317.6	306.4	280.3	251.7	224.2	199.9	180.2	164.6
135°	339.9	329.3	312.0	302.0	291.9	269.0	244.0	220.3	199.5	182.3	168.2
137.5°	321.9	310.9	296.1	287.2	278.2	257.7	236.6	216.8	198.8	183.7	171.0
140°	303.5	293.7	280.3	272.7	265.1	248.2	230.2	213.6	198.5	185.1	173.1
142.5°	285.2	276.7	265.8	259.4	253.1	239.0	224.2	210.8	197.8	186.1	175.2
145°	269.0	261.6	252.8	247.7	242.6	231.3	219.6	208.4	197.1	186.5	176.6
147.5°	254.5	249.3	242.2	238.5	234.8	225.3	215.8	205.9	196.0	186.5	177.7
150°	242.9	239.0	233.7	230.4	227.0	219.6	211.5	203.4	194.6	186.5	178.0
152.5°	233.4	229.9	226.0	223.4	220.7	214.3	207.7	200.6	192.8	185.4	178.7
155°	224.9	222.1	218.9	216.8	214.7	209.4	203.8	197.8	190.7	184.7	178.7
157.5°	217.2	215.1	212.2	210.4	208.7	204.5	199.5	194.6	189.0	183.7	179.1
160°	210.5	208.4	205.9	204.6	203.4	199.9	196.0	191.4	186.8	183.0	179.1
162.5°	203.4	201.7	200.2	199.1	198.1	195.0	191.8	188.3	184.7	181.6	178.7
165°	197.4	196.0	194.6	193.7	192.8	190.4	188.3	185.4	182.6	180.2	178.0
167.5°	191.4	190.4	189.7	189.0	188.3	186.8	185.1	182.6	180.5	178.7	177.7
170°	186.1	185.4	185.1	184.8	184.4	183.0	181.9	180.2	178.4	177.3	176.6
172.5°	181.9	181.2	181.2	181.0	180.9	179.8	179.1	177.7	176.6	176.3	176.3
175°	178.0	177.7	177.7	177.7	177.7	177.0	176.6	175.9	175.2	175.2	175.6
177.5°	175.6	175.2	175.6	175.6	175.6	175.2	174.9	174.5	174.2	174.5	175.2
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	914.5	910.7	907.0	907.0	898.6	891.1	887.3	888.8	884.3	878.2	872.2
5°	954.6	939.5	936.5	928.1	916.8	900.9	892.6	885.0	876.0	863.8	852.5
7.5°	991.7	972.0	961.4	953.1	931.2	909.2	891.1	879.0	863.1	844.9	831.3
10°	1040.1	1003.8	992.4	973.5	942.5	911.5	890.3	870.7	848.7	827.5	809.4
12.5°	1078.7	1037.1	1015.9	997.0	956.9	917.6	882.0	857.8	831.3	807.9	784.4
15°	1122.5	1075.6	1038.6	1015.9	965.2	917.6	877.5	843.4	813.9	785.2	764.8
17.5°	1143.7	1084.7	1068.1	1035.6	962.2	914.5	865.4	829.1	793.5	760.2	736.0
20°	1177.0	1108.2	1066.6	1044.6	979.6	909.2	851.7	810.1	773.1	737.5	711.8
22.5°	1179.3	1104.4	1077.2	1035.6	955.4	893.3	839.6	789.0	745.8	712.6	686.1
25°	1174.0	1097.6	1059.8	1026.5	959.9	884.3	815.4	765.5	723.2	684.6	653.6
27.5°	1171.7	1077.9	1042.4	1009.1	934.2	857.8	801.1	744.3	695.9	661.9	630.1
30°	1168.7	1056.7	1013.6	975.0	906.2	837.4	769.3	720.1	674.0	630.9	599.1
32.5°	1149.0	1028.0	984.1	943.3	869.1	800.3	746.6	694.4	644.5	604.4	575.6
35°	1143.0	1001.5	944.0	900.2	827.5	766.3	709.5	666.4	619.5	579.4	545.4
37.5°	1125.6	974.3	912.3	856.3	780.6	722.4	680.8	637.7	592.3	549.2	521.9
40°	1095.3	942.5	872.2	814.7	736.8	677.8	639.2	607.4	562.8	524.2	490.9
42.5°	1050.7	910.0	834.3	773.8	687.6	632.4	600.6	570.4	532.5	492.4	465.2
45°	999.2	866.9	796.5	729.2	641.5	587.7	554.5	536.3	501.5	467.5	435.7
47.5°	928.9	822.2	752.7	683.1	593.8	541.6	515.1	497.0	472.8	435.7	410.0
50°	840.4	764.8	698.9	636.9	546.9	497.0	470.5	456.9	436.5	410.0	385.0
52.5°	742.1	698.2	643.7	586.2	499.2	452.3	428.1	417.6	402.4	377.5	356.3
55°	643.0	624.1	587.0	530.3	449.3	410.7	389.6	375.9	364.6	346.4	328.3
57.5°	554.5	545.4	519.7	475.8	407.7	367.6	349.5	340.4	331.3	317.7	299.5
60°	462.9	472.8	446.3	424.4	362.3	327.5	311.7	301.8	297.3	285.2	273.8
62.5°	383.5	392.6	377.5	360.8	316.9	285.9	276.1	267.0	264.0	253.4	242.1
65°	311.7	323.0	311.7	302.6	276.1	250.4	238.3	233.7	230.7	223.9	214.8
67.5°	248.1	259.5	254.2	242.8	234.5	213.3	206.5	202.0	200.5	195.2	187.6
70°	186.8	202.7	204.2	197.4	189.9	180.0	175.5	174.0	170.2	165.7	161.1
72.5°	134.6	152.8	153.6	153.6	149.0	149.0	144.5	142.2	142.2	137.7	132.4
75°	99.1	111.2	112.7	114.2	116.5	118.8	115.7	115.7	115.0	110.4	108.2
77.5°	65.8	76.4	80.2	85.5	88.5	88.5	90.0	91.5	90.0	87.7	86.2
80°	42.4	49.9	54.5	57.5	62.0	64.3	66.6	67.3	65.8	65.1	62.8
82.5°	28.0	30.3	32.5	36.3	41.6	45.4	45.4	44.6	46.1	45.4	44.6
85°	15.9	17.4	18.2	18.9	21.9	25.7	26.5	27.2	28.7	27.2	25.7
87.5°	6.1	6.8	6.8	6.8	8.3	9.1	11.3	14.4	13.6	12.1	12.1
90°	5.6	4.6	4.2	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	35.6	24.3	21.2	18.0	14.5	11.3	7.8	5.3	7.8	11.3	14.5
95°	75.8	45.8	39.0	32.1	22.9	16.9	13.0	12.0	13.0	16.9	22.9
97.5°	81.8	52.2	44.6	37.0	27.9	22.6	19.4	19.0	19.4	22.6	27.9
100°	80.7	56.1	49.2	42.3	33.8	28.9	26.4	26.1	26.4	28.9	33.8
102.5°	82.1	60.6	54.4	48.3	40.9	36.3	34.2	33.5	34.2	36.3	40.9
105°	85.0	65.9	60.4	55.0	48.3	44.1	42.0	40.9	42.0	44.1	48.3
107.5°	89.5	72.6	67.5	62.4	56.1	51.8	49.7	48.7	49.7	51.8	56.1
110°	95.5	79.7	74.8	69.8	63.8	59.9	58.2	57.1	58.2	59.9	63.8

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	101.5	87.1	82.4	77.6	71.6	67.7	65.9	64.9	65.9	67.7	71.6
115°	108.2	94.8	90.0	85.3	79.3	75.8	73.7	72.3	73.7	75.8	79.3
117.5°	115.3	101.9	97.5	93.1	86.4	83.2	81.4	79.7	81.4	83.2	86.4
120°	122.0	109.3	104.9	100.5	93.8	90.3	88.5	87.4	88.5	90.3	93.8
122.5°	129.0	116.7	112.0	107.2	100.8	97.0	95.2	94.1	95.2	97.0	100.8
125°	135.7	123.4	118.6	113.9	107.2	103.3	101.2	100.5	101.2	103.3	107.2
127.5°	141.7	129.7	125.0	120.2	112.8	108.9	106.5	105.4	106.5	108.9	112.8
130°	147.0	135.4	130.6	125.9	118.5	114.2	111.1	110.0	111.1	114.2	118.5
132.5°	151.6	140.3	135.7	131.1	123.7	118.5	114.9	113.5	114.9	118.5	123.7
135°	156.2	145.2	140.4	135.7	128.3	123.0	119.2	117.8	119.2	123.0	128.3
137.5°	159.4	148.8	144.4	140.0	132.6	126.9	123.0	121.6	123.0	126.9	132.6
140°	162.5	152.3	147.9	143.5	136.4	130.8	127.3	125.5	127.3	130.8	136.4
142.5°	165.0	155.1	151.0	147.0	140.0	135.0	131.1	129.7	131.1	135.0	140.0
145°	167.1	157.9	153.9	149.8	143.8	138.6	135.4	134.3	135.4	138.6	143.8
147.5°	168.9	160.4	156.9	153.4	147.4	142.8	139.6	138.9	139.6	142.8	147.4
150°	170.6	162.5	159.4	156.2	151.2	146.7	143.8	143.5	143.8	146.7	151.2
152.5°	171.7	165.0	162.0	159.0	154.8	150.9	148.1	148.1	148.1	150.9	154.8
155°	173.1	167.1	164.6	162.2	158.3	154.8	152.7	152.7	152.7	154.8	158.3
157.5°	173.8	168.9	167.0	165.0	161.5	158.3	156.5	156.2	156.5	158.3	161.5
160°	174.9	170.6	168.8	167.1	164.6	161.8	160.4	160.4	160.4	161.8	164.6
162.5°	175.2	171.7	170.3	168.9	166.8	164.6	163.6	163.6	163.6	164.6	166.8
165°	175.6	172.7	171.5	170.3	168.9	167.1	166.4	166.8	166.4	167.1	168.9
167.5°	175.6	173.5	172.6	171.7	170.6	169.2	168.9	169.2	168.9	169.2	170.6
170°	175.2	173.5	173.1	172.7	172.0	171.0	170.6	171.3	170.6	171.0	172.0
172.5°	175.2	173.8	173.6	173.5	173.1	172.4	172.4	172.7	172.4	172.4	173.1
175°	174.9	174.2	174.0	173.8	173.8	173.1	173.5	173.8	173.5	173.1	173.8
177.5°	174.5	174.2	174.2	174.2	174.2	173.8	174.2	174.5	174.2	173.8	174.2
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	872.2	868.4	866.9	863.1	854.0	848.0	841.2	836.6	837.4	833.6	835.9
5°	844.9	844.2	838.9	831.3	818.5	811.7	799.6	793.5	790.5	791.2	786.7
7.5°	822.2	815.4	811.7	799.6	787.4	773.1	763.2	757.9	753.4	748.9	745.8
10°	796.5	790.5	784.4	771.6	754.9	741.3	727.7	722.4	715.6	712.6	710.3
12.5°	769.3	765.5	757.9	742.8	723.9	711.0	695.2	692.1	683.1	677.0	675.5
15°	744.3	742.1	728.4	711.0	692.1	679.3	665.7	656.6	641.5	644.5	639.2
17.5°	717.9	708.0	699.7	676.3	667.2	647.5	631.6	627.1	616.5	609.7	602.9
20°	688.4	682.3	671.7	656.6	634.6	612.0	599.9	592.3	586.2	575.6	572.6
22.5°	660.4	652.8	643.7	624.1	605.1	586.2	569.6	562.8	555.2	547.7	543.1
25°	638.4	627.1	617.2	593.0	574.1	558.2	547.7	536.3	525.7	521.2	519.7
27.5°	604.4	597.6	587.7	565.1	547.7	530.3	520.4	512.9	501.5	496.2	491.7
30°	582.5	568.8	557.5	539.3	521.9	503.0	494.0	484.9	478.1	471.3	466.0
32.5°	553.0	542.4	533.3	515.1	497.7	480.3	470.5	456.9	453.1	447.8	441.8
35°	524.2	517.4	507.6	487.9	469.0	456.9	446.3	433.4	428.9	425.1	419.8
37.5°	497.0	487.1	480.3	461.4	444.8	430.4	422.1	411.5	408.5	403.9	400.2
40°	473.5	463.7	456.9	438.0	420.6	405.4	400.2	389.6	385.0	379.7	377.5
42.5°	447.1	438.7	429.7	416.0	397.9	382.8	372.2	366.1	360.1	357.8	353.3
45°	419.1	411.5	404.7	389.6	370.7	360.1	351.0	342.7	338.1	334.3	331.3
47.5°	394.9	388.1	379.0	362.3	347.2	337.4	328.3	320.0	315.4	310.9	307.1
50°	366.9	363.1	353.3	337.4	323.0	311.7	303.3	295.8	292.7	287.4	281.4
52.5°	341.9	335.1	326.8	313.9	301.1	287.4	276.1	271.6	266.3	263.2	257.9
55°	312.4	307.9	298.8	287.4	273.8	262.5	254.2	248.1	241.3	238.3	231.5
57.5°	287.4	279.1	274.6	260.2	247.4	236.0	230.0	223.9	216.3	211.8	208.8
60°	260.2	252.6	245.8	233.7	224.7	212.6	203.5	198.2	192.9	186.8	183.8
62.5°	233.7	227.7	219.4	209.5	198.2	188.4	181.5	174.0	171.0	164.9	162.6
65°	205.0	200.5	193.6	182.3	173.2	164.9	158.1	152.0	149.0	146.7	145.2
67.5°	179.3	173.2	168.7	158.9	149.0	142.2	138.4	134.6	130.9	128.6	126.3
70°	152.8	148.3	143.7	134.6	127.8	121.8	118.8	115.7	113.5	111.2	108.9
72.5°	125.6	123.3	118.8	112.7	107.4	102.9	100.6	96.8	94.6	90.8	89.3
75°	103.6	99.8	97.6	92.3	87.7	84.0	80.9	76.4	73.4	71.9	71.1
77.5°	81.7	80.2	77.2	72.6	70.3	66.6	62.0	60.5	59.0	59.0	58.2
80°	61.3	59.0	56.7	53.0	50.7	47.7	47.7	47.7	46.9	47.7	46.9
82.5°	41.6	40.1	38.6	36.3	35.6	35.6	36.3	36.3	36.3	36.3	36.3
85°	24.2	24.2	24.2	25.0	24.2	24.2	25.0	25.7	25.0	25.0	24.2
87.5°	11.3	11.3	12.1	12.1	12.9	12.9	12.9	12.9	12.9	12.9	13.6
90°	3.9	4.2	4.6	5.6	6.7	7.8	8.8	8.5	8.8	9.2	9.5
92.5°	18.0	21.2	24.3	35.6	54.3	72.6	65.6	49.0	34.9	27.1	23.6
95°	32.1	39.0	45.8	75.8	128.3	186.1	209.1	169.6	126.9	86.0	67.3
97.5°	37.0	44.6	52.2	81.8	142.8	240.1	321.5	332.5	291.6	220.0	173.5
100°	42.3	49.2	56.1	80.7	132.9	225.6	333.9	403.3	415.7	387.1	345.8
102.5°	48.3	54.4	60.6	82.1	124.4	204.5	310.9	406.8	456.9	462.9	443.2
105°	55.0	60.4	65.9	85.0	121.3	187.9	283.4	384.6	458.3	493.6	500.3
107.5°	62.4	67.5	72.6	89.5	120.6	175.9	259.1	352.9	437.2	492.5	520.0
110°	69.8	74.8	79.7	95.5	122.3	169.6	239.0	323.3	404.0	468.9	513.3

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	77.6	82.4	87.1	101.5	125.9	166.0	225.6	297.5	371.2	437.9	489.0
115°	85.3	90.0	94.8	108.2	129.7	165.7	216.8	277.8	343.0	404.4	456.2
117.5°	93.1	97.5	101.9	115.3	134.7	166.0	210.8	264.8	321.2	375.5	423.1
120°	100.5	104.9	109.3	122.0	140.3	167.5	206.9	254.9	304.6	352.2	394.5
122.5°	107.2	112.0	116.7	129.0	145.6	169.9	204.5	246.8	291.6	333.5	371.9
125°	113.9	118.6	123.4	135.7	151.2	172.4	202.4	240.1	280.3	318.7	352.5
127.5°	120.2	125.0	129.7	141.7	155.8	175.2	201.3	233.7	270.1	305.0	336.0
130°	125.9	130.6	135.4	147.0	160.4	178.0	200.2	228.8	260.5	292.3	320.8
132.5°	131.1	135.7	140.3	151.6	164.6	180.2	199.9	224.2	251.7	280.3	306.4
135°	135.7	140.4	145.2	156.2	168.2	182.3	199.5	220.3	244.0	269.0	291.9
137.5°	140.0	144.4	148.8	159.4	171.0	183.7	198.8	216.8	236.6	257.7	278.2
140°	143.5	147.9	152.3	162.5	173.1	185.1	198.5	213.6	230.2	248.2	265.1
142.5°	147.0	151.0	155.1	165.0	175.2	186.1	197.8	210.8	224.2	239.0	253.1
145°	149.8	153.9	157.9	167.1	176.6	186.5	197.1	208.4	219.6	231.3	242.6
147.5°	153.4	156.9	160.4	168.9	177.7	186.5	196.0	205.9	215.8	225.3	234.8
150°	156.2	159.4	162.5	170.6	178.0	186.5	194.6	203.4	211.5	219.6	227.0
152.5°	159.0	162.0	165.0	171.7	178.7	185.4	192.8	200.6	207.7	214.3	220.7
155°	162.2	164.6	167.1	173.1	178.7	184.7	190.7	197.8	203.8	209.4	214.7
157.5°	165.0	167.0	168.9	173.8	179.1	183.7	189.0	194.6	199.5	204.5	208.7
160°	167.1	168.8	170.6	174.9	179.1	183.0	186.8	191.4	196.0	199.9	203.4
162.5°	168.9	170.3	171.7	175.2	178.7	181.6	184.7	188.3	191.8	195.0	198.1
165°	170.3	171.5	172.7	175.6	178.0	180.2	182.6	185.4	188.3	190.4	192.8
167.5°	171.7	172.6	173.5	175.6	177.7	178.7	180.5	182.6	185.1	186.8	188.3
170°	172.7	173.1	173.5	175.2	176.6	177.3	178.4	180.2	181.9	183.0	184.4
172.5°	173.5	173.6	173.8	175.2	176.3	176.3	176.6	177.7	179.1	179.8	180.9
175°	173.8	174.0	174.2	174.9	175.6	175.2	175.2	175.9	176.6	177.0	177.7
177.5°	174.2	174.2	174.2	174.5	175.2	174.5	174.2	174.5	174.9	175.2	175.6
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	835.1	835.9	833.6	829.1	828.3	829.8	834.3	832.8	829.1	835.9	829.8
5°	789.0	785.2	783.7	785.2	780.6	778.4	782.9	780.6	782.9	783.7	785.9
7.5°	744.3	745.1	740.5	741.3	735.3	736.8	736.8	736.8	739.0	740.5	743.6
10°	705.8	707.3	702.0	702.7	698.2	695.2	697.4	702.0	702.0	702.0	703.5
12.5°	674.7	667.9	664.1	663.4	658.1	656.6	661.1	662.6	666.4	666.4	668.7
15°	636.2	634.6	631.6	631.6	618.8	621.8	623.3	628.6	636.2	630.1	631.6
17.5°	601.4	597.6	593.8	592.3	590.8	586.2	592.3	591.5	596.1	596.8	599.1
20°	570.4	567.3	559.8	560.5	562.0	555.2	559.0	559.0	563.5	568.1	573.4
22.5°	540.1	537.1	533.3	534.8	530.3	528.7	528.7	532.5	537.8	541.6	540.9
25°	516.6	511.3	509.1	506.8	504.5	506.1	503.8	507.6	511.3	513.6	511.3
27.5°	490.2	487.9	483.4	481.1	477.3	478.8	480.3	483.4	485.6	485.6	487.9
30°	464.5	461.4	459.9	457.6	457.6	454.6	455.4	458.4	460.7	462.9	466.0
32.5°	439.5	437.2	434.9	434.9	433.4	432.7	431.9	436.5	436.5	441.0	441.0
35°	419.1	415.3	415.3	411.5	413.0	412.3	410.7	413.8	414.5	417.6	416.8
37.5°	396.4	396.4	394.9	391.1	388.1	388.8	392.6	392.6	394.9	394.1	396.4
40°	373.7	372.2	372.2	369.9	369.1	368.4	369.1	369.9	373.7	372.9	373.7
42.5°	351.0	351.7	348.0	348.0	348.0	345.7	346.4	347.2	348.7	350.2	352.5
45°	329.0	327.5	326.8	325.3	323.8	324.5	323.8	326.8	326.0	327.5	329.8
47.5°	305.6	303.3	302.6	299.5	299.5	301.1	300.3	302.6	303.3	305.6	304.1
50°	282.9	279.9	277.6	278.4	273.8	275.3	275.3	277.6	279.9	280.6	282.1
52.5°	256.4	255.7	254.9	251.1	250.4	249.6	250.4	251.1	254.2	256.4	257.2
55°	230.7	230.0	225.4	223.9	221.6	221.6	223.1	223.9	229.2	230.0	233.0
57.5°	207.3	205.0	199.7	198.9	198.9	198.9	196.7	199.7	201.2	205.0	205.0
60°	181.5	181.5	177.0	177.0	177.8	177.0	177.0	177.8	177.8	180.8	182.3
62.5°	161.1	160.4	160.4	158.9	158.1	158.9	158.1	158.1	158.9	161.1	163.4
65°	143.0	142.2	141.5	140.7	139.2	139.2	139.9	141.5	141.5	143.0	143.7
67.5°	125.6	125.6	124.1	124.1	123.3	122.5	123.3	122.5	125.6	125.6	126.3
70°	108.2	107.4	105.1	104.4	102.1	102.9	102.9	105.1	105.9	107.4	108.9
72.5°	87.0	87.0	85.5	84.0	84.7	83.2	83.2	84.0	84.0	86.2	87.0
75°	71.9	70.3	69.6	70.3	69.6	71.1	69.6	69.6	71.1	71.1	71.1
77.5°	59.0	59.0	58.2	58.2	59.0	58.2	59.0	59.0	59.0	58.2	59.0
80°	48.4	47.7	47.7	47.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9
82.5°	36.3	36.3	35.6	36.3	36.3	35.6	36.3	35.6	35.6	36.3	36.3
85°	24.2	25.7	24.2	24.2	25.0	25.0	25.7	25.0	25.7	24.2	25.0
87.5°	12.9	13.6	13.6	12.9	12.9	13.6	13.6	13.6	14.4	12.9	13.6
90°	9.8	10.2	9.9	10.2	10.6	10.2	10.6	10.2	9.9	10.2	9.8
92.5°	22.4	21.2	20.4	19.0	19.4	18.7	19.4	19.0	20.4	21.2	22.4
95°	61.0	54.6	47.9	44.8	42.3	40.9	42.3	44.8	47.9	54.6	61.0
97.5°	153.4	133.3	109.6	96.2	87.8	83.9	87.8	96.2	109.6	133.3	153.4
100°	320.8	295.8	260.2	234.4	220.7	221.0	220.7	234.4	260.2	295.8	320.8
102.5°	429.6	416.0	390.3	371.2	360.3	350.1	360.3	371.2	390.3	416.0	429.6
105°	495.7	491.1	474.9	461.5	450.2	448.4	450.2	461.5	474.9	491.1	495.7
107.5°	524.8	529.5	527.4	521.1	516.5	512.6	516.5	521.1	527.4	529.5	524.8
110°	525.6	538.0	547.9	550.7	550.0	549.3	550.0	550.7	547.9	538.0	525.6

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	505.8	522.5	542.6	552.8	556.3	556.7	556.3	552.8	542.6	522.5	505.8
115°	475.4	494.6	521.1	536.6	543.6	545.4	543.6	536.6	521.1	494.6	475.4
117.5°	443.0	462.9	490.4	507.7	518.2	520.7	518.2	507.7	490.4	462.9	443.0
120°	412.3	430.1	458.0	477.7	486.2	488.3	486.2	477.7	458.0	430.1	412.3
122.5°	388.2	404.4	428.3	445.6	455.1	458.0	455.1	445.6	428.3	404.4	388.2
125°	366.6	380.8	403.3	418.8	427.6	430.1	427.6	418.8	403.3	380.8	366.6
127.5°	349.0	362.1	382.5	395.9	404.0	406.1	404.0	395.9	382.5	362.1	349.0
130°	332.8	344.8	363.5	376.2	383.6	386.4	383.6	376.2	363.5	344.8	332.8
132.5°	317.6	328.9	346.2	358.9	365.2	367.0	365.2	358.9	346.2	328.9	317.6
135°	302.0	312.0	329.3	339.9	346.2	348.7	346.2	339.9	329.3	312.0	302.0
137.5°	287.2	296.1	310.9	321.9	327.2	329.3	327.2	321.9	310.9	296.1	287.2
140°	272.7	280.3	293.7	303.5	309.2	308.8	309.2	303.5	293.7	280.3	272.7
142.5°	259.4	265.8	276.7	285.2	290.1	289.8	290.1	285.2	276.7	265.8	259.4
145°	247.7	252.8	261.6	269.0	271.8	272.5	271.8	269.0	261.6	252.8	247.7
147.5°	238.5	242.2	249.3	254.5	257.4	257.7	257.4	254.5	249.3	242.2	238.5
150°	230.4	233.7	239.0	242.9	245.0	245.0	245.0	242.9	239.0	233.7	230.4
152.5°	223.4	226.0	229.9	233.4	234.4	234.4	234.4	233.4	229.9	226.0	223.4
155°	216.8	218.9	222.1	224.9	225.6	226.0	225.6	224.9	222.1	218.9	216.8
157.5°	210.4	212.2	215.1	217.2	217.9	217.9	217.9	217.2	215.1	212.2	210.4
160°	204.6	205.9	208.4	210.5	210.5	210.1	210.5	210.5	208.4	205.9	204.6
162.5°	199.1	200.2	201.7	203.4	203.4	203.1	203.4	203.4	201.7	200.2	199.1
165°	193.7	194.6	196.0	197.4	197.1	197.1	197.1	197.4	196.0	194.6	193.7
167.5°	189.0	189.7	190.4	191.4	191.1	191.1	191.1	191.4	190.4	189.7	189.0
170°	184.8	185.1	185.4	186.1	185.8	185.8	185.8	186.1	185.4	185.1	184.8
172.5°	181.0	181.2	181.2	181.9	181.2	180.9	181.2	181.9	181.2	181.2	181.0
175°	177.7	177.7	177.7	178.0	177.7	177.3	177.7	178.0	177.7	177.7	177.7
177.5°	175.6	175.6	175.2	175.6	174.9	174.9	174.9	175.6	175.2	175.6	175.6
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	835.9	838.9	835.9	829.8	835.9	839.6	843.4	849.5	852.5	852.5	857.0
5°	788.2	794.3	792.0	790.5	796.5	800.3	806.4	813.9	822.2	827.5	833.6
7.5°	745.8	749.6	753.4	753.4	759.5	767.8	776.9	785.9	796.5	804.1	808.6
10°	708.8	711.8	714.1	717.1	726.2	735.3	747.4	758.7	767.8	776.1	783.7
12.5°	673.2	677.8	683.1	685.3	692.1	703.5	714.8	728.4	742.8	751.1	758.7
15°	639.2	641.5	647.5	654.3	660.4	672.5	686.8	701.2	713.3	726.2	733.0
17.5°	604.4	605.1	621.0	617.2	636.9	648.3	655.8	669.4	689.1	699.7	710.3
20°	570.4	577.9	584.7	588.5	599.1	612.0	633.9	644.5	660.4	670.2	679.3
22.5°	543.9	555.2	555.2	564.3	569.6	581.7	597.6	618.0	635.4	642.2	655.1
25°	520.4	525.7	534.8	537.8	547.7	558.2	568.8	590.8	609.7	618.8	627.8
27.5°	490.2	497.0	509.1	509.1	521.9	533.3	546.1	560.5	579.4	592.3	602.1
30°	466.7	473.5	478.8	487.1	492.4	503.0	525.7	536.3	553.0	564.3	576.4
32.5°	444.8	450.1	454.6	463.7	469.7	481.8	494.0	512.9	527.2	537.8	550.7
35°	420.6	425.9	431.9	438.7	447.8	459.2	470.5	486.4	500.8	510.6	521.2
37.5°	397.9	401.7	410.7	415.3	422.8	433.4	447.8	464.5	477.3	484.9	495.5
40°	375.9	379.0	385.8	394.1	399.4	407.7	422.8	437.2	453.1	462.2	470.5
42.5°	352.5	356.3	362.3	370.7	379.0	388.1	396.4	413.0	427.4	434.9	444.0
45°	332.1	334.3	338.9	347.2	355.5	362.3	375.2	390.3	403.9	410.0	419.8
47.5°	307.9	310.1	316.9	320.7	329.8	338.9	351.7	366.9	379.0	385.0	394.1
50°	282.9	285.2	289.7	298.0	304.1	313.9	325.3	338.1	353.3	361.6	366.9
52.5°	258.7	263.2	267.0	273.8	281.4	291.2	301.8	313.9	326.8	335.1	341.2
55°	234.5	238.3	242.8	246.6	255.7	264.8	276.9	288.2	299.5	307.1	313.9
57.5°	207.3	212.6	217.1	224.7	231.5	239.0	252.6	261.7	275.3	280.6	286.7
60°	183.8	189.1	192.9	198.9	205.0	214.8	223.9	235.3	246.6	253.4	261.0
62.5°	164.1	166.4	168.7	174.7	180.8	189.9	198.9	210.3	222.4	226.2	232.2
65°	144.5	146.7	150.5	155.8	160.4	165.7	175.5	184.6	195.9	202.0	204.2
67.5°	127.8	130.1	130.9	134.6	138.4	144.5	149.8	158.9	169.4	173.2	177.8
70°	108.9	112.7	113.5	116.5	118.0	121.8	127.8	134.6	143.0	149.8	153.6
72.5°	87.0	92.3	93.8	98.3	100.6	104.4	108.9	114.2	119.5	122.5	125.6
75°	71.1	72.6	73.4	77.2	80.9	86.2	88.5	91.5	96.1	99.8	102.9
77.5°	59.0	59.8	60.5	60.5	61.3	64.3	68.8	72.6	75.6	77.2	79.4
80°	47.7	46.9	46.9	47.7	47.7	47.7	49.2	54.5	56.0	59.8	59.0
82.5°	37.1	35.6	36.3	35.6	35.6	35.6	35.6	36.3	36.3	38.6	40.1
85°	24.2	25.0	24.2	24.2	23.4	24.2	23.4	23.4	22.7	22.7	21.9
87.5°	12.9	13.6	12.9	12.9	12.1	12.9	12.1	12.1	11.3	11.3	9.8
90°	9.5	9.2	8.8	8.5	8.8	7.8	6.7	5.6	4.6	4.2	3.9
92.5°	23.6	27.1	34.9	49.0	65.6	72.6	54.3	35.6	24.3	21.2	18.0
95°	67.3	86.0	126.9	169.6	209.1	186.1	128.3	75.8	45.8	39.0	32.1
97.5°	173.5	220.0	291.6	332.5	321.5	240.1	142.8	81.8	52.2	44.6	37.0
100°	345.8	387.1	415.7	403.3	333.9	225.6	132.9	80.7	56.1	49.2	42.3
102.5°	443.2	462.9	456.9	406.8	310.9	204.5	124.4	82.1	60.6	54.4	48.3
105°	500.3	493.6	458.3	384.6	283.4	187.9	121.3	85.0	65.9	60.4	55.0
107.5°	520.0	492.5	437.2	352.9	259.1	175.9	120.6	89.5	72.6	67.5	62.4
110°	513.3	468.9	404.0	323.3	239.0	169.6	122.3	95.5	79.7	74.8	69.8

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	489.0	437.9	371.2	297.5	225.6	166.0	125.9	101.5	87.1	82.4	77.6
115°	456.2	404.4	343.0	277.8	216.8	165.7	129.7	108.2	94.8	90.0	85.3
117.5°	423.1	375.5	321.2	264.8	210.8	166.0	134.7	115.3	101.9	97.5	93.1
120°	394.5	352.2	304.6	254.9	206.9	167.5	140.3	122.0	109.3	104.9	100.5
122.5°	371.9	333.5	291.6	246.8	204.5	169.9	145.6	129.0	116.7	112.0	107.2
125°	352.5	318.7	280.3	240.1	202.4	172.4	151.2	135.7	123.4	118.6	113.9
127.5°	336.0	305.0	270.1	233.7	201.3	175.2	155.8	141.7	129.7	125.0	120.2
130°	320.8	292.3	260.5	228.8	200.2	178.0	160.4	147.0	135.4	130.6	125.9
132.5°	306.4	280.3	251.7	224.2	199.9	180.2	164.6	151.6	140.3	135.7	131.1
135°	291.9	269.0	244.0	220.3	199.5	182.3	168.2	156.2	145.2	140.4	135.7
137.5°	278.2	257.7	236.6	216.8	198.8	183.7	171.0	159.4	148.8	144.4	140.0
140°	265.1	248.2	230.2	213.6	198.5	185.1	173.1	162.5	152.3	147.9	143.5
142.5°	253.1	239.0	224.2	210.8	197.8	186.1	175.2	165.0	155.1	151.0	147.0
145°	242.6	231.3	219.6	208.4	197.1	186.5	176.6	167.1	157.9	153.9	149.8
147.5°	234.8	225.3	215.8	205.9	196.0	186.5	177.7	168.9	160.4	156.9	153.4
150°	227.0	219.6	211.5	203.4	194.6	186.5	178.0	170.6	162.5	159.4	156.2
152.5°	220.7	214.3	207.7	200.6	192.8	185.4	178.7	171.7	165.0	162.0	159.0
155°	214.7	209.4	203.8	197.8	190.7	184.7	178.7	173.1	167.1	164.6	162.2
157.5°	208.7	204.5	199.5	194.6	189.0	183.7	179.1	173.8	168.9	167.0	165.0
160°	203.4	199.9	196.0	191.4	186.8	183.0	179.1	174.9	170.6	168.8	167.1
162.5°	198.1	195.0	191.8	188.3	184.7	181.6	178.7	175.2	171.7	170.3	168.9
165°	192.8	190.4	188.3	185.4	182.6	180.2	178.0	175.6	172.7	171.5	170.3
167.5°	188.3	186.8	185.1	182.6	180.5	178.7	177.7	175.6	173.5	172.6	171.7
170°	184.4	183.0	181.9	180.2	178.4	177.3	176.6	175.2	173.5	173.1	172.7
172.5°	180.9	179.8	179.1	177.7	176.6	176.3	176.3	175.2	173.8	173.6	173.5
175°	177.7	177.0	176.6	175.9	175.2	175.2	175.6	174.9	174.2	174.0	173.8
177.5°	175.6	175.2	174.9	174.5	174.2	174.5	175.2	174.5	174.2	174.2	174.2
180°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2

TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	883.5	883.5	883.5	883.5
2.5°	860.8	866.1	876.7	885.8
5°	842.7	851.0	866.9	882.8
7.5°	820.7	833.6	854.0	876.0
10°	799.6	816.2	841.2	866.9
12.5°	778.4	795.8	822.2	855.5
15°	753.4	771.6	803.3	843.4
17.5°	731.5	755.7	784.4	824.5
20°	708.0	726.2	763.2	805.6
22.5°	678.5	708.8	743.6	788.2
25°	655.1	681.5	716.3	767.0
27.5°	626.3	657.3	699.7	744.3
30°	602.9	628.6	667.9	721.6
32.5°	575.6	605.9	646.8	699.7
35°	551.4	577.2	615.7	669.4
37.5°	522.7	550.7	593.8	641.5
40°	497.7	525.0	565.8	610.4
42.5°	467.5	496.2	537.1	574.9
45°	443.3	469.7	502.3	537.1
47.5°	413.8	441.8	473.5	497.7
50°	387.3	413.0	438.0	458.4
52.5°	358.5	382.0	404.7	419.8
55°	332.1	350.2	368.4	379.0
57.5°	301.1	318.5	333.6	339.6
60°	273.8	288.2	298.0	304.8
62.5°	245.1	255.7	263.2	267.0
65°	217.1	224.7	228.4	232.2
67.5°	188.4	195.2	197.4	202.0
70°	158.1	165.7	167.2	169.4
72.5°	135.4	135.4	138.4	141.5
75°	108.2	109.7	111.2	111.2
77.5°	84.7	84.7	86.2	87.0
80°	62.0	62.8	62.8	62.0
82.5°	42.4	43.9	42.4	41.6
85°	23.4	26.5	25.0	25.0
87.5°	9.8	9.8	11.3	9.8
90°	3.2	2.1	1.4	0.7
92.5°	14.5	11.3	7.8	5.3
95°	22.9	16.9	13.0	12.0
97.5°	27.9	22.6	19.4	19.0
100°	33.8	28.9	26.4	26.1
102.5°	40.9	36.3	34.2	33.5
105°	48.3	44.1	42.0	40.9
107.5°	56.1	51.8	49.7	48.7
110°	63.8	59.9	58.2	57.1



TEST NUMBER: P1012614

CATALOG NUMBER: S123RDIP-B560D365UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	71.6	67.7	65.9	64.9
115°	79.3	75.8	73.7	72.3
117.5°	86.4	83.2	81.4	79.7
120°	93.8	90.3	88.5	87.4
122.5°	100.8	97.0	95.2	94.1
125°	107.2	103.3	101.2	100.5
127.5°	112.8	108.9	106.5	105.4
130°	118.5	114.2	111.1	110.0
132.5°	123.7	118.5	114.9	113.5
135°	128.3	123.0	119.2	117.8
137.5°	132.6	126.9	123.0	121.6
140°	136.4	130.8	127.3	125.5
142.5°	140.0	135.0	131.1	129.7
145°	143.8	138.6	135.4	134.3
147.5°	147.4	142.8	139.6	138.9
150°	151.2	146.7	143.8	143.5
152.5°	154.8	150.9	148.1	148.1
155°	158.3	154.8	152.7	152.7
157.5°	161.5	158.3	156.5	156.2
160°	164.6	161.8	160.4	160.4
162.5°	166.8	164.6	163.6	163.6
165°	168.9	167.1	166.4	166.8
167.5°	170.6	169.2	168.9	169.2
170°	172.0	171.0	170.6	171.3
172.5°	173.1	172.4	172.4	172.7
175°	173.8	173.1	173.5	173.8
177.5°	174.2	173.8	174.2	174.5
180°	174.2	174.2	174.2	174.2

(END OF REPORT)