

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: P1032329

Luminaire Tested: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032329
REPORT IS A COMBINATION OF REPORTS P994512 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B560D460UB27-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

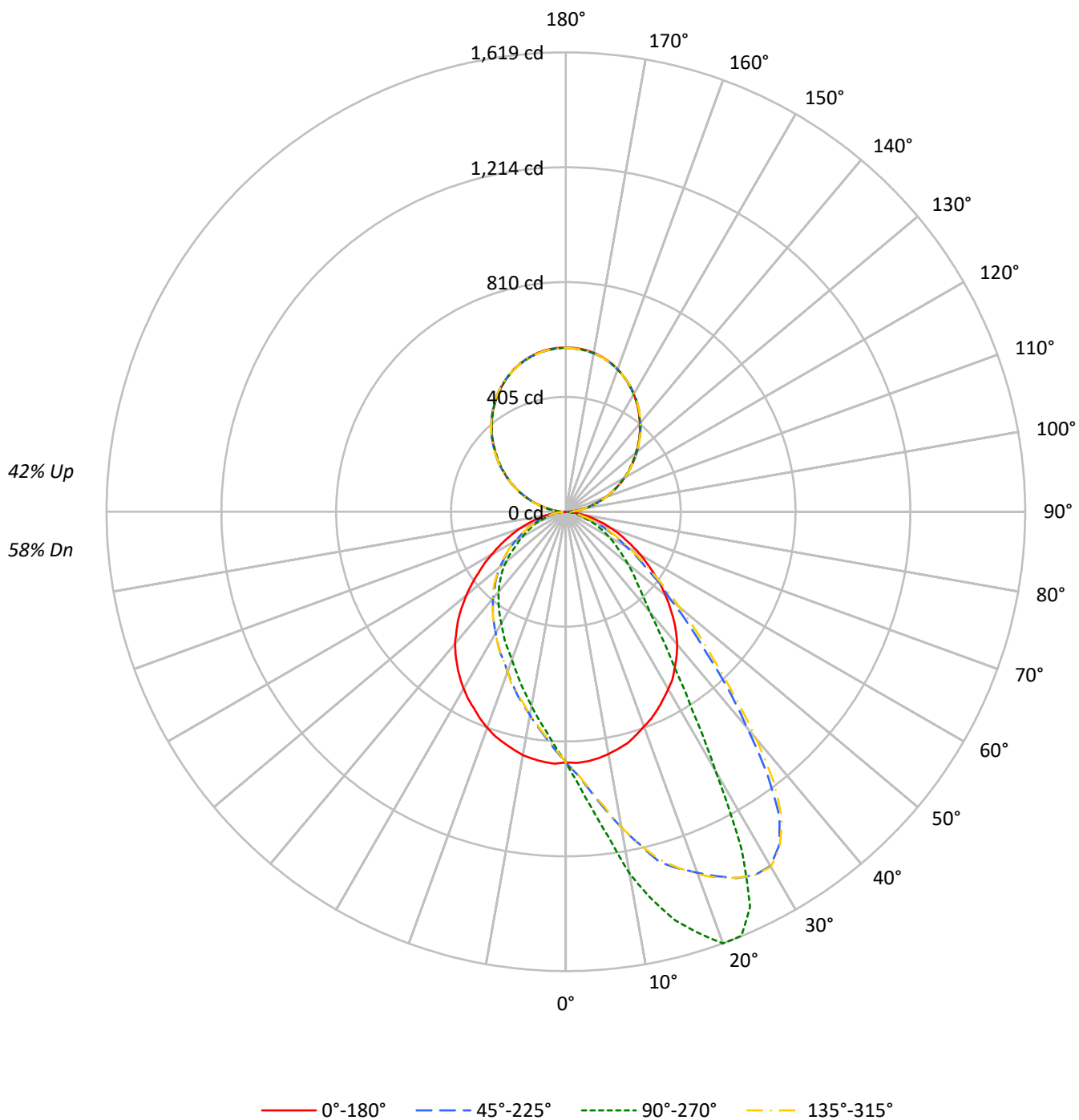
Lumens per Lamp: N/A
Luminaire Lumens: 3803.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 37.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63
1	100	96	92	89	93	90	87	84	78	76	74	67	65	64	57	56	55
2	92	85	79	74	85	79	74	70	69	65	62	60	57	54	51	49	47
3	84	75	68	62	78	70	64	59	62	57	53	53	50	47	46	43	41
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	41	38	36
5	71	60	52	46	66	56	49	44	50	44	40	43	39	36	38	34	32
6	66	54	46	41	61	51	44	39	45	39	35	40	35	32	34	31	28
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	25
8	57	45	37	32	53	42	35	31	38	32	28	33	29	25	29	25	23
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	23	21
10	50	38	31	26	46	36	29	25	32	27	23	28	24	21	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	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	2.3
10°-20°	271.6	7.1
20°-30°	427.8	11.2
30°-40°	444.8	11.7
40°-50°	380.6	10.0
50°-60°	290.1	7.6
60°-70°	185.9	4.9
70°-80°	89.1	2.3
80°-90°	24.6	0.6
90°-100°	37.2	1.0
100°-110°	112.6	3.0
110°-120°	191.7	5.0
120°-130°	252.3	6.6
130°-140°	283.5	7.5
140°-150°	278.8	7.3
150°-160°	234.7	6.2
160°-170°	156.2	4.1
170°-180°	54.7	1.4
0°-30°	786.1	20.7
0°-40°	1231.0	32.4
0°-60°	1901.6	50.0
0°-90°	2201.2	57.9
90°-120°	341.6	9.0
90°-150°	1156.2	30.4
90°-180°	1602.0	42.1
0°-180°	3803.0	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°	0	14	0	14	0	3
95°	27	35	27	35	27	30
105°	102	108	102	108	102	109
115°	193	194	193	194	193	191
125°	282	279	282	279	282	252
135°	366	366	366	366	366	282
145°	445	445	445	445	445	278
155°	509	508	509	508	509	234
165°	554	553	554	553	554	156
175°	577	574	577	574	577	55
180°	578	578	578	578	578	

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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°	0.5	1.5	2.5	3.5	4.5	5.0	5.7	7.0	8.3	9.6	10.9
92.5°	13.6	14.2	14.8	15.4	16.0	16.3	16.6	17.2	17.9	18.5	19.1
95°	26.8	27.5	28.2	28.9	29.6	30.0	30.4	31.2	32.0	32.8	33.6
97.5°	44.0	44.5	45.0	45.5	46.0	46.3	46.6	47.2	47.8	48.4	49.0
100°	61.8	62.4	63.0	63.6	64.2	64.5	64.8	65.3	65.8	66.3	66.8
102.5°	82.2	82.5	82.8	83.1	83.4	83.6	83.9	84.6	85.3	86.0	86.7
105°	102.2	102.4	102.6	102.8	103.0	103.1	103.6	104.5	105.4	106.3	107.2
107.5°	125.8	125.9	126.0	126.1	126.2	126.2	126.4	126.8	127.3	127.7	128.1
110°	147.6	147.8	148.0	148.2	148.4	148.5	148.6	148.8	149.0	149.2	149.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	170.3	170.4	170.5	170.6	170.7	170.7	170.7	170.7	170.7	170.7	170.7
115°	193.0	193.3	193.6	193.9	194.2	194.4	194.3	194.1	193.9	193.7	193.5
117.5°	216.2	216.3	216.4	216.5	216.6	216.6	216.5	216.3	216.1	215.9	215.7
120°	237.5	238.1	238.7	239.3	239.9	240.2	240.0	239.5	239.0	238.5	238.0
122.5°	259.8	260.2	260.6	261.0	261.4	261.6	261.5	261.3	261.1	260.9	260.7
125°	282.5	282.8	283.1	283.4	283.7	283.8	283.7	283.5	283.3	283.1	282.9
127.5°	303.3	303.9	304.5	305.2	305.8	306.1	306.0	305.8	305.6	305.4	305.2
130°	324.2	325.0	325.8	326.7	327.5	327.9	327.7	327.4	327.1	326.8	326.5
132.5°	345.1	345.9	346.7	347.6	348.4	348.8	348.7	348.5	348.3	348.1	347.9
135°	366.5	367.1	367.7	368.3	368.9	369.2	369.1	369.0	368.9	368.8	368.7
137.5°	386.0	386.5	387.0	387.5	388.0	388.3	388.4	388.7	389.0	389.3	389.6
140°	406.4	406.9	407.4	407.9	408.4	408.7	408.8	408.9	409.0	409.1	409.2
142.5°	425.1	425.6	426.1	426.6	427.1	427.3	427.4	427.6	427.8	428.0	428.2
145°	444.6	444.8	445.0	445.2	445.4	445.5	445.6	445.9	446.2	446.5	446.8
147.5°	461.4	461.8	462.2	462.6	463.0	463.2	463.4	463.7	464.0	464.3	464.6
150°	479.1	479.3	479.5	479.7	479.9	480.0	480.1	480.3	480.5	480.7	480.9
152.5°	493.6	493.9	494.2	494.5	494.8	495.0	495.0	495.1	495.2	495.3	495.4
155°	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.2	509.3	509.4	509.5
157.5°	522.2	522.1	522.0	521.9	521.8	521.8	521.8	521.9	522.0	522.1	522.2
160°	534.5	534.3	534.1	533.9	533.7	533.6	533.6	533.6	533.6	533.6	533.6
162.5°	545.4	545.1	544.8	544.5	544.2	544.0	544.1	544.2	544.3	544.4	544.5
165°	554.5	554.2	553.9	553.6	553.3	553.1	553.1	553.1	553.1	553.1	553.1
167.5°	562.2	561.8	561.4	561.0	560.6	560.4	560.4	560.5	560.6	560.7	560.8
170°	568.6	568.2	567.8	567.3	566.9	566.7	566.7	566.7	566.7	566.7	566.7
172.5°	573.5	573.1	572.7	572.3	571.9	571.7	571.7	571.7	571.7	571.7	571.7
175°	576.7	576.3	575.9	575.5	575.1	574.9	574.9	574.9	574.9	574.9	574.9
177.5°	578.5	578.1	577.7	577.3	576.9	576.7	576.7	576.7	576.7	576.7	576.7
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

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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°	11.3	11.7	12.1	12.5	12.7	12.8	13.0	13.2	13.4	13.6	13.4
92.5°	19.4	19.7	20.0	20.3	20.4	20.3	20.1	19.9	19.7	19.5	19.7
95°	34.0	34.4	34.8	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4
97.5°	49.5	50.0	50.5	51.0	51.3	51.3	51.2	51.1	51.0	50.9	51.0
100°	67.1	67.4	67.7	68.0	68.1	68.2	68.4	68.6	68.8	69.0	68.8
102.5°	87.0	87.3	87.6	87.9	88.1	88.0	87.9	87.8	87.7	87.6	87.7
105°	107.2	107.2	107.2	107.2	107.2	107.3	107.5	107.7	107.9	108.1	107.9
107.5°	128.4	128.7	129.0	129.3	129.4	129.4	129.3	129.2	129.1	129.0	129.1
110°	149.8	150.2	150.6	151.0	151.2	151.1	150.9	150.7	150.5	150.3	150.5

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	171.2	171.7	172.2	172.7	173.0	173.0	173.0	173.0	173.0	173.0	173.0
115°	193.6	193.7	193.8	193.9	193.9	193.9	193.8	193.7	193.6	193.5	193.6
117.5°	215.7	215.7	215.7	215.7	215.7	215.5	215.2	214.9	214.6	214.3	214.6
120°	237.9	237.8	237.7	237.6	237.5	237.4	237.2	237.0	236.8	236.6	236.8
122.5°	260.4	260.1	259.8	259.5	259.3	259.1	258.8	258.5	258.2	257.9	258.2
125°	282.5	282.1	281.7	281.3	281.1	280.9	280.5	280.1	279.7	279.3	279.7
127.5°	304.6	304.0	303.3	302.7	302.4	302.2	301.8	301.4	301.0	300.6	301.0
130°	326.1	325.7	325.3	324.9	324.7	324.3	323.6	322.9	322.2	321.5	322.2
132.5°	347.4	346.9	346.4	345.9	345.6	345.3	344.8	344.3	343.8	343.3	343.8
135°	368.3	367.9	367.5	367.1	366.9	366.8	366.6	366.4	366.2	366.0	366.2
137.5°	389.1	388.6	388.1	387.6	387.4	387.2	386.9	386.6	386.3	386.0	386.3
140°	409.1	409.0	408.9	408.8	408.7	408.3	407.6	406.9	406.2	405.5	406.2
142.5°	428.1	428.0	427.9	427.8	427.8	427.5	427.0	426.5	426.0	425.5	426.0
145°	446.7	446.6	446.5	446.4	446.4	446.2	445.8	445.4	445.0	444.6	445.0
147.5°	464.6	464.6	464.6	464.6	464.6	464.3	463.7	463.0	462.4	461.8	462.4
150°	480.9	480.9	480.9	480.9	480.9	480.6	480.0	479.4	478.8	478.2	478.8
152.5°	495.6	495.8	496.0	496.2	496.3	496.1	495.6	495.1	494.6	494.1	494.6
155°	509.9	510.3	510.7	511.1	511.3	511.0	510.3	509.6	508.9	508.2	508.9
157.5°	522.6	523.0	523.4	523.8	524.0	523.7	523.1	522.5	521.9	521.3	521.9
160°	534.1	534.6	535.1	535.6	535.9	535.7	535.3	534.8	534.4	534.0	534.4
162.5°	545.0	545.5	546.0	546.5	546.8	546.4	545.7	545.0	544.3	543.6	544.3
165°	553.7	554.3	554.9	555.5	555.8	555.5	554.8	554.1	553.4	552.7	553.4
167.5°	561.4	562.0	562.7	563.3	563.6	563.3	562.7	562.0	561.4	560.8	561.4
170°	567.4	568.1	568.8	569.5	569.9	569.5	568.8	568.1	567.4	566.7	567.4
172.5°	572.3	572.9	573.6	574.2	574.5	574.1	573.4	572.7	572.0	571.3	572.0
175°	575.5	576.1	576.7	577.3	577.6	577.3	576.6	575.9	575.2	574.5	575.2
177.5°	577.3	577.9	578.6	579.2	579.5	579.1	578.4	577.7	577.0	576.3	577.0
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

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°	13.2	13.0	12.8	12.7	12.5	12.1	11.7	11.3	10.9	9.6	8.3
92.5°	19.9	20.1	20.3	20.4	20.3	20.0	19.7	19.4	19.1	18.5	17.9
95°	35.4	35.4	35.4	35.4	35.2	34.8	34.4	34.0	33.6	32.8	32.0
97.5°	51.1	51.2	51.3	51.3	51.0	50.5	50.0	49.5	49.0	48.4	47.8
100°	68.6	68.4	68.2	68.1	68.0	67.7	67.4	67.1	66.8	66.3	65.8
102.5°	87.8	87.9	88.0	88.1	87.9	87.6	87.3	87.0	86.7	86.0	85.3
105°	107.7	107.5	107.3	107.2	107.2	107.2	107.2	107.2	107.2	106.3	105.4
107.5°	129.2	129.3	129.4	129.4	129.3	129.0	128.7	128.4	128.1	127.7	127.3
110°	150.7	150.9	151.1	151.2	151.0	150.6	150.2	149.8	149.4	149.2	149.0

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	173.0	173.0	173.0	173.0	172.7	172.2	171.7	171.2	170.7	170.7	170.7
115°	193.7	193.8	193.9	193.9	193.9	193.8	193.7	193.6	193.5	193.7	193.9
117.5°	214.9	215.2	215.5	215.7	215.7	215.7	215.7	215.7	215.7	215.9	216.1
120°	237.0	237.2	237.4	237.5	237.6	237.7	237.8	237.9	238.0	238.5	239.0
122.5°	258.5	258.8	259.1	259.3	259.5	259.8	260.1	260.4	260.7	260.9	261.1
125°	280.1	280.5	280.9	281.1	281.3	281.7	282.1	282.5	282.9	283.1	283.3
127.5°	301.4	301.8	302.2	302.4	302.7	303.3	304.0	304.6	305.2	305.4	305.6
130°	322.9	323.6	324.3	324.7	324.9	325.3	325.7	326.1	326.5	326.8	327.1
132.5°	344.3	344.8	345.3	345.6	345.9	346.4	346.9	347.4	347.9	348.1	348.3
135°	366.4	366.6	366.8	366.9	367.1	367.5	367.9	368.3	368.7	368.8	368.9
137.5°	386.6	386.9	387.2	387.4	387.6	388.1	388.6	389.1	389.6	389.3	389.0
140°	406.9	407.6	408.3	408.7	408.8	408.9	409.0	409.1	409.2	409.1	409.0
142.5°	426.5	427.0	427.5	427.8	427.8	427.9	428.0	428.1	428.2	428.0	427.8
145°	445.4	445.8	446.2	446.4	446.4	446.5	446.6	446.7	446.8	446.5	446.2
147.5°	463.0	463.7	464.3	464.6	464.6	464.6	464.6	464.6	464.6	464.3	464.0
150°	479.4	480.0	480.6	480.9	480.9	480.9	480.9	480.9	480.9	480.7	480.5
152.5°	495.1	495.6	496.1	496.3	496.2	496.0	495.8	495.6	495.4	495.3	495.2
155°	509.6	510.3	511.0	511.3	511.1	510.7	510.3	509.9	509.5	509.4	509.3
157.5°	522.5	523.1	523.7	524.0	523.8	523.4	523.0	522.6	522.2	522.1	522.0
160°	534.8	535.3	535.7	535.9	535.6	535.1	534.6	534.1	533.6	533.6	533.6
162.5°	545.0	545.7	546.4	546.8	546.5	546.0	545.5	545.0	544.5	544.4	544.3
165°	554.1	554.8	555.5	555.8	555.5	554.9	554.3	553.7	553.1	553.1	553.1
167.5°	562.0	562.7	563.3	563.6	563.3	562.7	562.0	561.4	560.8	560.7	560.6
170°	568.1	568.8	569.5	569.9	569.5	568.8	568.1	567.4	566.7	566.7	566.7
172.5°	572.7	573.4	574.1	574.5	574.2	573.6	572.9	572.3	571.7	571.7	571.7
175°	575.9	576.6	577.3	577.6	577.3	576.7	576.1	575.5	574.9	574.9	574.9
177.5°	577.7	578.4	579.1	579.5	579.2	578.6	577.9	577.3	576.7	576.7	576.7
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

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°	7.0	5.7	5.0	4.5	3.5	2.5	1.5	0.5	1.5	2.5	3.5
92.5°	17.2	16.6	16.3	16.0	15.4	14.8	14.2	13.6	14.2	14.8	15.4
95°	31.2	30.4	30.0	29.6	28.9	28.2	27.5	26.8	27.5	28.2	28.9
97.5°	47.2	46.6	46.3	46.0	45.5	45.0	44.5	44.0	44.5	45.0	45.5
100°	65.3	64.8	64.5	64.2	63.6	63.0	62.4	61.8	62.4	63.0	63.6
102.5°	84.6	83.9	83.6	83.4	83.1	82.8	82.5	82.2	82.5	82.8	83.1
105°	104.5	103.6	103.1	103.0	102.8	102.6	102.4	102.2	102.4	102.6	102.8
107.5°	126.8	126.4	126.2	126.2	126.1	126.0	125.9	125.8	125.9	126.0	126.1
110°	148.8	148.6	148.5	148.4	148.2	148.0	147.8	147.6	147.8	148.0	148.2

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	170.7	170.7	170.7	170.7	170.6	170.5	170.4	170.3	170.4	170.5	170.6
115°	194.1	194.3	194.4	194.2	193.9	193.6	193.3	193.0	193.3	193.6	193.9
117.5°	216.3	216.5	216.6	216.6	216.5	216.4	216.3	216.2	216.3	216.4	216.5
120°	239.5	240.0	240.2	239.9	239.3	238.7	238.1	237.5	238.1	238.7	239.3
122.5°	261.3	261.5	261.6	261.4	261.0	260.6	260.2	259.8	260.2	260.6	261.0
125°	283.5	283.7	283.8	283.7	283.4	283.1	282.8	282.5	282.8	283.1	283.4
127.5°	305.8	306.0	306.1	305.8	305.2	304.5	303.9	303.3	303.9	304.5	305.2
130°	327.4	327.7	327.9	327.5	326.7	325.8	325.0	324.2	325.0	325.8	326.7
132.5°	348.5	348.7	348.8	348.4	347.6	346.7	345.9	345.1	345.9	346.7	347.6
135°	369.0	369.1	369.2	368.9	368.3	367.7	367.1	366.5	367.1	367.7	368.3
137.5°	388.7	388.4	388.3	388.0	387.5	387.0	386.5	386.0	386.5	387.0	387.5
140°	408.9	408.8	408.7	408.4	407.9	407.4	406.9	406.4	406.9	407.4	407.9
142.5°	427.6	427.4	427.3	427.1	426.6	426.1	425.6	425.1	425.6	426.1	426.6
145°	445.9	445.6	445.5	445.4	445.2	445.0	444.8	444.6	444.8	445.0	445.2
147.5°	463.7	463.4	463.2	463.0	462.6	462.2	461.8	461.4	461.8	462.2	462.6
150°	480.3	480.1	480.0	479.9	479.7	479.5	479.3	479.1	479.3	479.5	479.7
152.5°	495.1	495.0	495.0	494.8	494.5	494.2	493.9	493.6	493.9	494.2	494.5
155°	509.2	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1
157.5°	521.9	521.8	521.8	521.8	521.9	522.0	522.1	522.2	522.1	522.0	521.9
160°	533.6	533.6	533.6	533.7	533.9	534.1	534.3	534.5	534.3	534.1	533.9
162.5°	544.2	544.1	544.0	544.2	544.5	544.8	545.1	545.4	545.1	544.8	544.5
165°	553.1	553.1	553.1	553.3	553.6	553.9	554.2	554.5	554.2	553.9	553.6
167.5°	560.5	560.4	560.4	560.6	561.0	561.4	561.8	562.2	561.8	561.4	561.0
170°	566.7	566.7	566.7	566.9	567.3	567.8	568.2	568.6	568.2	567.8	567.3
172.5°	571.7	571.7	571.7	571.9	572.3	572.7	573.1	573.5	573.1	572.7	572.3
175°	574.9	574.9	574.9	575.1	575.5	575.9	576.3	576.7	576.3	575.9	575.5
177.5°	576.7	576.7	576.7	576.9	577.3	577.7	578.1	578.5	578.1	577.7	577.3
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

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°	4.5	5.0	5.7	7.0	8.3	9.6	10.9	11.3	11.7	12.1	12.5
92.5°	16.0	16.3	16.6	17.2	17.9	18.5	19.1	19.4	19.7	20.0	20.3
95°	29.6	30.0	30.4	31.2	32.0	32.8	33.6	34.0	34.4	34.8	35.2
97.5°	46.0	46.3	46.6	47.2	47.8	48.4	49.0	49.5	50.0	50.5	51.0
100°	64.2	64.5	64.8	65.3	65.8	66.3	66.8	67.1	67.4	67.7	68.0
102.5°	83.4	83.6	83.9	84.6	85.3	86.0	86.7	87.0	87.3	87.6	87.9
105°	103.0	103.1	103.6	104.5	105.4	106.3	107.2	107.2	107.2	107.2	107.2
107.5°	126.2	126.2	126.4	126.8	127.3	127.7	128.1	128.4	128.7	129.0	129.3
110°	148.4	148.5	148.6	148.8	149.0	149.2	149.4	149.8	150.2	150.6	151.0

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	170.7	170.7	170.7	170.7	170.7	170.7	170.7	171.2	171.7	172.2	172.7
115°	194.2	194.4	194.3	194.1	193.9	193.7	193.5	193.6	193.7	193.8	193.9
117.5°	216.6	216.6	216.5	216.3	216.1	215.9	215.7	215.7	215.7	215.7	215.7
120°	239.9	240.2	240.0	239.5	239.0	238.5	238.0	237.9	237.8	237.7	237.6
122.5°	261.4	261.6	261.5	261.3	261.1	260.9	260.7	260.4	260.1	259.8	259.5
125°	283.7	283.8	283.7	283.5	283.3	283.1	282.9	282.5	282.1	281.7	281.3
127.5°	305.8	306.1	306.0	305.8	305.6	305.4	305.2	304.6	304.0	303.3	302.7
130°	327.5	327.9	327.7	327.4	327.1	326.8	326.5	326.1	325.7	325.3	324.9
132.5°	348.4	348.8	348.7	348.5	348.3	348.1	347.9	347.4	346.9	346.4	345.9
135°	368.9	369.2	369.1	369.0	368.9	368.8	368.7	368.3	367.9	367.5	367.1
137.5°	388.0	388.3	388.4	388.7	389.0	389.3	389.6	389.1	388.6	388.1	387.6
140°	408.4	408.7	408.8	408.9	409.0	409.1	409.2	409.1	409.0	408.9	408.8
142.5°	427.1	427.3	427.4	427.6	427.8	428.0	428.2	428.1	428.0	427.9	427.8
145°	445.4	445.5	445.6	445.9	446.2	446.5	446.8	446.7	446.6	446.5	446.4
147.5°	463.0	463.2	463.4	463.7	464.0	464.3	464.6	464.6	464.6	464.6	464.6
150°	479.9	480.0	480.1	480.3	480.5	480.7	480.9	480.9	480.9	480.9	480.9
152.5°	494.8	495.0	495.0	495.1	495.2	495.3	495.4	495.6	495.8	496.0	496.2
155°	509.1	509.1	509.1	509.2	509.3	509.4	509.5	509.9	510.3	510.7	511.1
157.5°	521.8	521.8	521.8	521.9	522.0	522.1	522.2	522.6	523.0	523.4	523.8
160°	533.7	533.6	533.6	533.6	533.6	533.6	533.6	534.1	534.6	535.1	535.6
162.5°	544.2	544.0	544.1	544.2	544.3	544.4	544.5	545.0	545.5	546.0	546.5
165°	553.3	553.1	553.1	553.1	553.1	553.1	553.1	553.7	554.3	554.9	555.5
167.5°	560.6	560.4	560.4	560.5	560.6	560.7	560.8	561.4	562.0	562.7	563.3
170°	566.9	566.7	566.7	566.7	566.7	566.7	566.7	567.4	568.1	568.8	569.5
172.5°	571.9	571.7	571.7	571.7	571.7	571.7	571.7	572.3	572.9	573.6	574.2
175°	575.1	574.9	574.9	574.9	574.9	574.9	574.9	575.5	576.1	576.7	577.3
177.5°	576.9	576.7	576.7	576.7	576.7	576.7	576.7	577.3	577.9	578.6	579.2
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

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°	12.7	12.8	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.7
92.5°	20.4	20.3	20.1	19.9	19.7	19.5	19.7	19.9	20.1	20.3	20.4
95°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
97.5°	51.3	51.3	51.2	51.1	51.0	50.9	51.0	51.1	51.2	51.3	51.3
100°	68.1	68.2	68.4	68.6	68.8	69.0	68.8	68.6	68.4	68.2	68.1
102.5°	88.1	88.0	87.9	87.8	87.7	87.6	87.7	87.8	87.9	88.0	88.1
105°	107.2	107.3	107.5	107.7	107.9	108.1	107.9	107.7	107.5	107.3	107.2
107.5°	129.4	129.4	129.3	129.2	129.1	129.0	129.1	129.2	129.3	129.4	129.4
110°	151.2	151.1	150.9	150.7	150.5	150.3	150.5	150.7	150.9	151.1	151.2

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0
115°	193.9	193.9	193.8	193.7	193.6	193.5	193.6	193.7	193.8	193.9	193.9
117.5°	215.7	215.5	215.2	214.9	214.6	214.3	214.6	214.9	215.2	215.5	215.7
120°	237.5	237.4	237.2	237.0	236.8	236.6	236.8	237.0	237.2	237.4	237.5
122.5°	259.3	259.1	258.8	258.5	258.2	257.9	258.2	258.5	258.8	259.1	259.3
125°	281.1	280.9	280.5	280.1	279.7	279.3	279.7	280.1	280.5	280.9	281.1
127.5°	302.4	302.2	301.8	301.4	301.0	300.6	301.0	301.4	301.8	302.2	302.4
130°	324.7	324.3	323.6	322.9	322.2	321.5	322.2	322.9	323.6	324.3	324.7
132.5°	345.6	345.3	344.8	344.3	343.8	343.3	343.8	344.3	344.8	345.3	345.6
135°	366.9	366.8	366.6	366.4	366.2	366.0	366.2	366.4	366.6	366.8	366.9
137.5°	387.4	387.2	386.9	386.6	386.3	386.0	386.3	386.6	386.9	387.2	387.4
140°	408.7	408.3	407.6	406.9	406.2	405.5	406.2	406.9	407.6	408.3	408.7
142.5°	427.8	427.5	427.0	426.5	426.0	425.5	426.0	426.5	427.0	427.5	427.8
145°	446.4	446.2	445.8	445.4	445.0	444.6	445.0	445.4	445.8	446.2	446.4
147.5°	464.6	464.3	463.7	463.0	462.4	461.8	462.4	463.0	463.7	464.3	464.6
150°	480.9	480.6	480.0	479.4	478.8	478.2	478.8	479.4	480.0	480.6	480.9
152.5°	496.3	496.1	495.6	495.1	494.6	494.1	494.6	495.1	495.6	496.1	496.3
155°	511.3	511.0	510.3	509.6	508.9	508.2	508.9	509.6	510.3	511.0	511.3
157.5°	524.0	523.7	523.1	522.5	521.9	521.3	521.9	522.5	523.1	523.7	524.0
160°	535.9	535.7	535.3	534.8	534.4	534.0	534.4	534.8	535.3	535.7	535.9
162.5°	546.8	546.4	545.7	545.0	544.3	543.6	544.3	545.0	545.7	546.4	546.8
165°	555.8	555.5	554.8	554.1	553.4	552.7	553.4	554.1	554.8	555.5	555.8
167.5°	563.6	563.3	562.7	562.0	561.4	560.8	561.4	562.0	562.7	563.3	563.6
170°	569.9	569.5	568.8	568.1	567.4	566.7	567.4	568.1	568.8	569.5	569.9
172.5°	574.5	574.1	573.4	572.7	572.0	571.3	572.0	572.7	573.4	574.1	574.5
175°	577.6	577.3	576.6	575.9	575.2	574.5	575.2	575.9	576.6	577.3	577.6
177.5°	579.5	579.1	578.4	577.7	577.0	576.3	577.0	577.7	578.4	579.1	579.5
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

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°	12.5	12.1	11.7	11.3	10.9	9.6	8.3	7.0	5.7	5.0	4.5
92.5°	20.3	20.0	19.7	19.4	19.1	18.5	17.9	17.2	16.6	16.3	16.0
95°	35.2	34.8	34.4	34.0	33.6	32.8	32.0	31.2	30.4	30.0	29.6
97.5°	51.0	50.5	50.0	49.5	49.0	48.4	47.8	47.2	46.6	46.3	46.0
100°	68.0	67.7	67.4	67.1	66.8	66.3	65.8	65.3	64.8	64.5	64.2
102.5°	87.9	87.6	87.3	87.0	86.7	86.0	85.3	84.6	83.9	83.6	83.4
105°	107.2	107.2	107.2	107.2	107.2	106.3	105.4	104.5	103.6	103.1	103.0
107.5°	129.3	129.0	128.7	128.4	128.1	127.7	127.3	126.8	126.4	126.2	126.2
110°	151.0	150.6	150.2	149.8	149.4	149.2	149.0	148.8	148.6	148.5	148.4

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	172.7	172.2	171.7	171.2	170.7	170.7	170.7	170.7	170.7	170.7	170.7
115°	193.9	193.8	193.7	193.6	193.5	193.7	193.9	194.1	194.3	194.4	194.2
117.5°	215.7	215.7	215.7	215.7	215.7	215.9	216.1	216.3	216.5	216.6	216.6
120°	237.6	237.7	237.8	237.9	238.0	238.5	239.0	239.5	240.0	240.2	239.9
122.5°	259.5	259.8	260.1	260.4	260.7	260.9	261.1	261.3	261.5	261.6	261.4
125°	281.3	281.7	282.1	282.5	282.9	283.1	283.3	283.5	283.7	283.8	283.7
127.5°	302.7	303.3	304.0	304.6	305.2	305.4	305.6	305.8	306.0	306.1	305.8
130°	324.9	325.3	325.7	326.1	326.5	326.8	327.1	327.4	327.7	327.9	327.5
132.5°	345.9	346.4	346.9	347.4	347.9	348.1	348.3	348.5	348.7	348.8	348.4
135°	367.1	367.5	367.9	368.3	368.7	368.8	368.9	369.0	369.1	369.2	368.9
137.5°	387.6	388.1	388.6	389.1	389.6	389.3	389.0	388.7	388.4	388.3	388.0
140°	408.8	408.9	409.0	409.1	409.2	409.1	409.0	408.9	408.8	408.7	408.4
142.5°	427.8	427.9	428.0	428.1	428.2	428.0	427.8	427.6	427.4	427.3	427.1
145°	446.4	446.5	446.6	446.7	446.8	446.5	446.2	445.9	445.6	445.5	445.4
147.5°	464.6	464.6	464.6	464.6	464.6	464.3	464.0	463.7	463.4	463.2	463.0
150°	480.9	480.9	480.9	480.9	480.9	480.7	480.5	480.3	480.1	480.0	479.9
152.5°	496.2	496.0	495.8	495.6	495.4	495.3	495.2	495.1	495.0	495.0	494.8
155°	511.1	510.7	510.3	509.9	509.5	509.4	509.3	509.2	509.1	509.1	509.1
157.5°	523.8	523.4	523.0	522.6	522.2	522.1	522.0	521.9	521.8	521.8	521.8
160°	535.6	535.1	534.6	534.1	533.6	533.6	533.6	533.6	533.6	533.6	533.7
162.5°	546.5	546.0	545.5	545.0	544.5	544.4	544.3	544.2	544.1	544.0	544.2
165°	555.5	554.9	554.3	553.7	553.1	553.1	553.1	553.1	553.1	553.1	553.3
167.5°	563.3	562.7	562.0	561.4	560.8	560.7	560.6	560.5	560.4	560.4	560.6
170°	569.5	568.8	568.1	567.4	566.7	566.7	566.7	566.7	566.7	566.7	566.9
172.5°	574.2	573.6	572.9	572.3	571.7	571.7	571.7	571.7	571.7	571.7	571.9
175°	577.3	576.7	576.1	575.5	574.9	574.9	574.9	574.9	574.9	574.9	575.1
177.5°	579.2	578.6	577.9	577.3	576.7	576.7	576.7	576.7	576.7	576.7	576.9
180°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

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°	3.5	2.5	1.5	0.5
92.5°	15.4	14.8	14.2	13.6
95°	28.9	28.2	27.5	26.8
97.5°	45.5	45.0	44.5	44.0
100°	63.6	63.0	62.4	61.8
102.5°	83.1	82.8	82.5	82.2
105°	102.8	102.6	102.4	102.2
107.5°	126.1	126.0	125.9	125.8
110°	148.2	148.0	147.8	147.6

TEST NUMBER: P1032329

CATALOG NUMBER: S123RDIW-B560D460UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	170.6	170.5	170.4	170.3
115°	193.9	193.6	193.3	193.0
117.5°	216.5	216.4	216.3	216.2
120°	239.3	238.7	238.1	237.5
122.5°	261.0	260.6	260.2	259.8
125°	283.4	283.1	282.8	282.5
127.5°	305.2	304.5	303.9	303.3
130°	326.7	325.8	325.0	324.2
132.5°	347.6	346.7	345.9	345.1
135°	368.3	367.7	367.1	366.5
137.5°	387.5	387.0	386.5	386.0
140°	407.9	407.4	406.9	406.4
142.5°	426.6	426.1	425.6	425.1
145°	445.2	445.0	444.8	444.6
147.5°	462.6	462.2	461.8	461.4
150°	479.7	479.5	479.3	479.1
152.5°	494.5	494.2	493.9	493.6
155°	509.1	509.1	509.1	509.1
157.5°	521.9	522.0	522.1	522.2
160°	533.9	534.1	534.3	534.5
162.5°	544.5	544.8	545.1	545.4
165°	553.6	553.9	554.2	554.5
167.5°	561.0	561.4	561.8	562.2
170°	567.3	567.8	568.2	568.6
172.5°	572.3	572.7	573.1	573.5
175°	575.5	575.9	576.3	576.7
177.5°	577.3	577.7	578.1	578.5
180°	578.1	578.1	578.1	578.1

(END OF REPORT)