

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: P1036043

Luminaire Tested: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1036043
REPORT IS A COMBINATION OF REPORTS P1006750 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIW-B610D470UB50-4F0-XX-W2A-A1
Description: Define 5 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

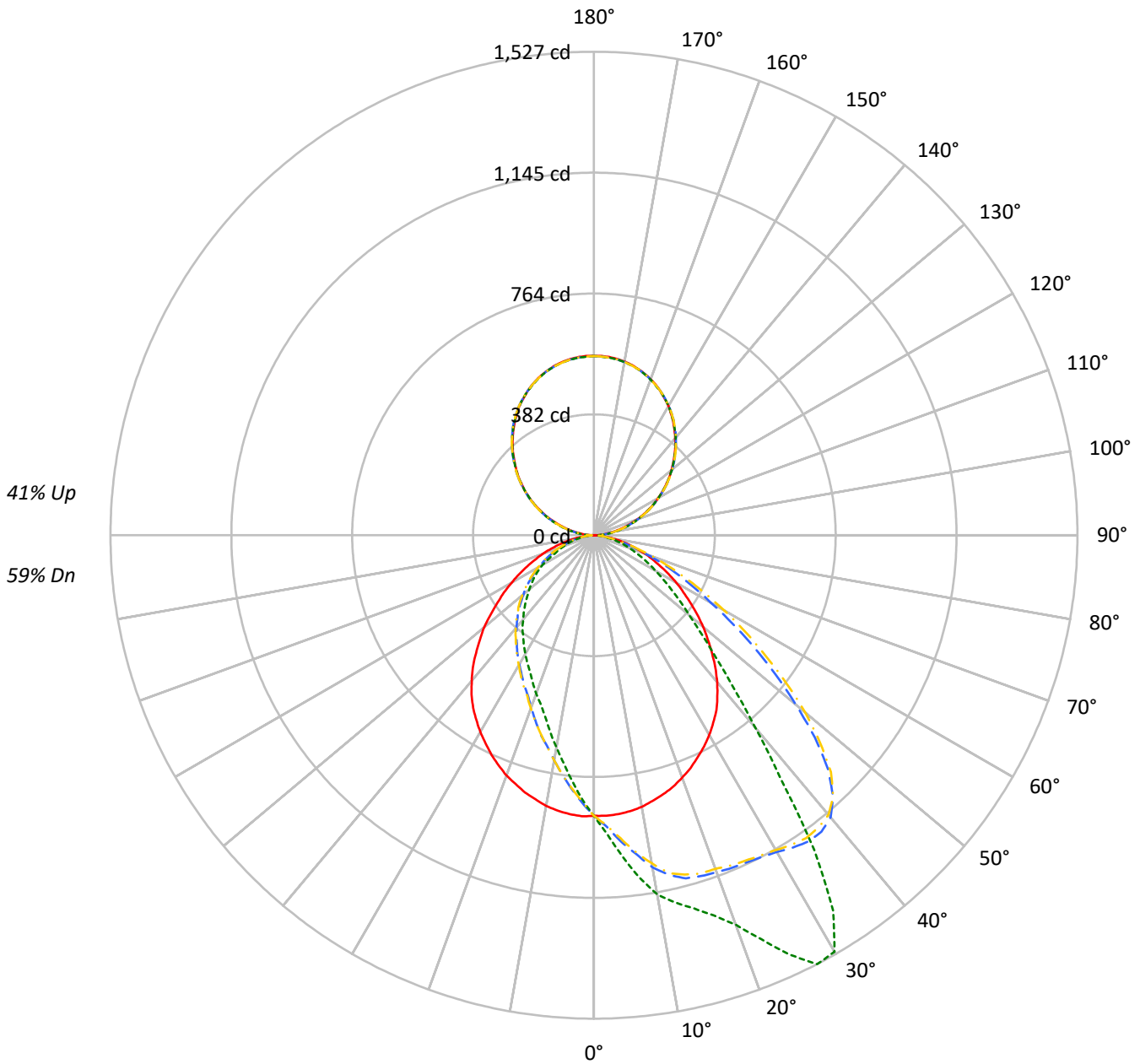
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3877.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' 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



— 0°-180° - - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	65	65	65	59			
1	100	96	92	89	94	90	87	84	78	76	74	68	66	64	58	57	56	51			
2	92	85	79	74	86	79	74	70	69	65	62	60	57	55	52	49	48	43			
3	84	75	68	62	78	70	64	59	61	57	53	53	50	47	46	43	41	37			
4	77	66	59	53	72	62	55	50	55	49	45	48	44	40	41	38	36	32			
5	71	59	51	45	66	56	49	43	49	44	39	43	39	35	37	34	31	28			
6	65	53	45	40	61	50	43	38	45	39	34	39	35	31	34	30	28	25			
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	31	27	25	22			
8	56	44	36	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20			
9	52	40	33	28	49	38	31	27	34	28	24	30	25	22	26	23	20	18			
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5678	5678	5678	5678
5°	5673	6399	5673	4919
10°	5641	7192	5622	4252
15°	5580	7608	5542	3702
20°	5506	8213	5457	3346
25°	5410	9296	5349	3037
30°	5311	9881	5232	2816
35°	5185	8127	5112	2610
40°	4959	5518	4918	2425
45°	4663	3967	4657	2242
50°	4360	3051	4381	2073
55°	4018	2481	4010	1911
60°	3699	2033	3682	1697
65°	3330	1694	3350	1366
70°	3022	1360	3010	1137
75°	2554	1030	2554	935
80°	2068	628	2046	628
85°	1458	330	1412	373

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°
 Vertical Angle: 45°
 Luminance: 8082 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	2.2
10°-20°	249.2	6.4
20°-30°	395.1	10.2
30°-40°	477.4	12.3
40°-50°	425.0	11.0
50°-60°	325.9	8.4
60°-70°	211.7	5.5
70°-80°	102.7	2.6
80°-90°	25.0	0.6
90°-100°	37.7	1.0
100°-110°	111.9	2.9
110°-120°	189.7	4.9
120°-130°	249.7	6.4
130°-140°	279.8	7.2
140°-150°	274.3	7.1
150°-160°	230.4	5.9
160°-170°	153.1	4.0
170°-180°	53.6	1.4
0°-30°	729.2	18.8
0°-40°	1206.5	31.1
0°-60°	1957.5	50.5
0°-90°	2296.9	59.2
90°-120°	339.2	8.7
90°-150°	1143.0	29.5
90°-180°	1580.0	40.8
0°-180°	3877.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	886	886	886	886	886	
5°	884	1016	884	781	884	84
15°	847	1220	841	594	847	239
25°	774	1461	765	477	774	357
35°	674	1212	665	389	674	420
45°	528	542	527	306	528	407
55°	372	298	372	229	372	334
65°	231	169	233	136	231	231
75°	113	79	113	71	113	121
85°	26	17	25	19	26	29
90°	0	11	0	11	0	4
95°	29	38	29	38	29	30
105°	100	109	100	109	100	107
115°	190	192	190	192	190	188
125°	277	279	277	279	277	248
135°	360	362	360	362	360	278
145°	437	438	437	438	437	273
155°	500	500	500	500	500	230
165°	543	542	543	542	543	153
175°	565	563	565	563	565	54
180°	566	566	566	566	566	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	886.9	894.2	896.4	902.2	908.8	910.2	913.9	919.0	921.9	921.1	921.1
5°	884.0	896.4	905.1	915.3	927.7	932.8	937.1	948.1	956.8	961.9	970.6
7.5°	878.9	897.1	911.7	927.0	945.9	954.6	964.1	979.3	995.4	1005.5	1015.0
10°	870.9	894.2	914.6	937.1	962.6	975.7	987.4	1010.6	1030.3	1043.4	1065.2
12.5°	859.3	888.4	916.8	946.6	978.6	992.4	1008.5	1033.9	1061.6	1080.5	1098.7
15°	846.9	881.8	912.4	948.1	986.6	1007.7	1028.1	1055.0	1079.8	1100.9	1122.0
17.5°	832.4	869.5	907.3	948.1	991.7	1012.8	1030.3	1062.3	1088.5	1109.6	1128.5
20°	814.9	856.4	899.3	944.4	988.8	1008.5	1025.2	1060.1	1083.4	1105.9	1132.9
22.5°	796.0	841.1	886.9	931.3	975.0	996.1	1015.7	1046.3	1071.8	1102.3	1137.2
25°	774.2	823.6	870.2	914.6	956.1	975.7	993.2	1026.6	1062.3	1100.9	1140.1
27.5°	752.3	800.4	845.5	886.2	931.3	949.5	967.0	1009.2	1051.4	1092.1	1146.0
30°	728.3	777.1	816.4	854.2	897.9	916.8	938.6	986.6	1034.6	1089.9	1155.4
32.5°	701.4	745.8	782.2	821.5	860.7	884.0	911.7	964.1	1019.4	1085.6	1169.3
35°	674.5	710.1	743.6	780.7	828.0	852.7	879.7	935.0	1004.1	1083.4	1180.9
37.5°	640.3	674.5	700.7	738.5	787.3	816.4	843.3	907.3	985.9	1078.3	1180.2
40°	605.4	634.5	659.2	698.5	751.6	778.5	807.6	877.5	967.0	1063.7	1162.7
42.5°	567.5	592.3	619.2	657.0	708.7	734.9	768.3	849.8	940.8	1043.4	1117.6
45°	527.5	551.5	574.1	613.4	665.0	693.4	729.8	813.5	908.8	1000.4	1044.8
47.5°	488.2	509.3	533.3	567.5	619.9	651.2	688.3	777.8	865.8	943.0	946.6
50°	450.4	467.1	487.5	522.4	577.0	606.8	645.4	729.1	814.9	868.0	832.4
52.5°	411.1	426.4	447.5	478.0	529.0	563.9	597.4	681.0	753.1	788.7	723.2
55°	372.5	385.6	407.5	441.7	486.0	513.0	547.2	625.0	688.3	689.0	617.7
57.5°	334.7	346.3	364.5	395.1	436.6	467.8	499.1	566.8	609.7	597.4	518.1
60°	301.2	308.5	325.2	355.1	393.6	416.2	449.7	506.4	534.8	512.2	427.1
62.5°	266.3	273.6	286.7	310.7	347.1	371.1	392.2	438.7	458.4	424.2	354.3
65°	231.4	240.1	249.6	268.5	302.7	318.7	337.6	371.8	390.7	350.7	290.3
67.5°	200.8	205.2	214.6	234.3	258.3	272.8	285.9	309.2	312.9	280.9	231.4
70°	172.4	173.9	182.6	194.3	212.5	221.2	232.1	245.9	245.9	219.7	180.4
72.5°	140.4	142.6	149.2	161.5	172.4	176.8	180.4	189.2	187.7	163.7	136.8
75°	112.8	114.2	119.3	125.1	129.5	137.5	140.4	139.0	138.2	117.9	102.6
77.5°	87.3	88.0	91.7	96.8	97.5	100.4	98.2	98.2	91.7	80.0	72.0
80°	64.0	64.8	66.2	67.7	67.7	67.7	67.7	64.0	59.7	52.4	50.2
82.5°	42.9	42.9	43.7	45.1	44.4	42.9	41.5	37.8	34.9	32.7	31.3
85°	25.5	25.5	26.2	25.5	22.6	21.8	20.4	19.6	18.9	18.2	18.2
87.5°	12.4	11.6	10.2	8.7	8.7	8.7	8.7	8.7	8.7	8.0	8.0
90°	0.4	1.2	2.0	2.8	3.6	4.0	4.3	5.0	5.7	6.3	7.0
92.5°	13.2	13.7	14.2	14.7	15.2	15.4	15.8	16.7	17.6	18.5	19.4
95°	28.6	28.8	29.0	29.2	29.4	29.5	30.0	31.0	31.9	32.9	33.9
97.5°	44.1	44.2	44.3	44.4	44.5	44.5	45.2	46.6	47.9	49.3	50.7
100°	61.7	61.7	61.7	61.7	61.7	61.7	62.3	63.6	64.9	66.1	67.4
102.5°	80.6	81.1	81.6	82.1	82.6	82.8	83.0	83.5	84.0	84.5	85.0
105°	100.5	101.0	101.5	102.0	102.5	102.7	103.0	103.6	104.1	104.7	105.3
107.5°	122.0	122.5	123.0	123.5	124.0	124.2	124.5	125.0	125.5	126.0	126.5
110°	144.5	145.0	145.5	146.0	146.5	146.7	146.8	147.1	147.4	147.7	148.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	167.4	167.6	167.8	168.0	168.2	168.3	168.5	168.9	169.3	169.7	170.1
115°	189.9	190.3	190.7	191.1	191.5	191.7	191.8	192.0	192.1	192.3	192.5
117.5°	212.8	212.9	213.0	213.1	213.2	213.2	213.3	213.5	213.7	213.9	214.1
120°	234.0	234.5	235.0	235.5	236.0	236.2	236.2	236.3	236.4	236.5	236.6
122.5°	256.9	257.0	257.1	257.2	257.3	257.3	257.4	257.7	258.0	258.3	258.6
125°	277.1	277.7	278.3	278.9	279.5	279.8	279.8	279.9	280.0	280.1	280.2
127.5°	299.6	299.9	300.2	300.5	300.8	300.9	301.0	301.1	301.2	301.3	301.4
130°	319.4	319.9	320.4	320.9	321.4	321.6	321.7	321.9	322.1	322.3	322.5
132.5°	339.3	340.2	341.0	341.9	342.8	343.2	343.2	343.1	343.0	342.9	342.8
135°	360.4	361.0	361.6	362.2	362.8	363.1	363.1	363.2	363.3	363.4	363.5
137.5°	380.2	380.8	381.4	382.0	382.6	382.9	383.0	383.2	383.4	383.6	383.8
140°	399.2	399.7	400.2	400.7	401.2	401.4	401.5	401.8	402.1	402.4	402.7
142.5°	418.1	418.5	418.9	419.3	419.7	419.9	420.1	420.5	420.8	421.2	421.6
145°	436.6	437.0	437.4	437.8	438.2	438.4	438.5	438.8	439.1	439.4	439.7
147.5°	453.8	454.1	454.4	454.7	455.0	455.1	455.2	455.4	455.6	455.8	456.0
150°	471.0	470.9	470.8	470.7	470.6	470.6	470.8	471.2	471.5	471.9	472.3
152.5°	485.1	485.3	485.5	485.7	485.9	486.0	486.0	486.1	486.2	486.3	486.4
155°	499.6	499.6	499.6	499.6	499.6	499.6	499.7	499.8	499.9	500.0	500.1
157.5°	512.9	512.7	512.5	512.3	512.1	512.0	512.0	512.1	512.2	512.3	512.4
160°	524.3	524.0	523.7	523.4	523.1	523.0	523.0	523.1	523.2	523.3	523.4
162.5°	534.4	534.2	534.0	533.9	533.7	533.6	533.6	533.6	533.6	533.6	533.6
165°	543.3	543.1	542.9	542.7	542.5	542.4	542.4	542.5	542.6	542.7	542.8
167.5°	551.2	550.8	550.4	550.0	549.6	549.4	549.4	549.4	549.4	549.4	549.4
170°	557.4	557.0	556.6	556.2	555.8	555.6	555.6	555.6	555.6	555.6	555.6
172.5°	561.8	561.4	561.0	560.6	560.2	560.0	560.0	560.0	560.0	560.0	560.0
175°	564.8	564.4	564.0	563.7	563.3	563.1	563.1	563.1	563.1	563.1	563.1
177.5°	567.0	566.6	566.2	565.9	565.5	565.3	565.2	565.1	565.0	564.9	564.8
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	924.8	929.9	934.2	932.1	940.8	940.1	941.5	944.4	945.2	943.7	940.8
5°	975.0	982.3	994.6	1001.2	999.7	1005.5	1008.5	1012.8	1017.2	1015.7	1015.7
7.5°	1031.0	1041.2	1053.6	1070.3	1072.5	1077.6	1086.3	1086.3	1091.4	1089.2	1088.5
10°	1079.8	1092.1	1111.8	1124.9	1130.7	1133.6	1142.3	1145.2	1151.1	1151.8	1151.8
12.5°	1119.8	1141.6	1154.7	1167.8	1170.7	1175.1	1181.6	1186.0	1188.2	1188.2	1186.0
15°	1140.9	1158.3	1173.6	1187.4	1195.4	1199.1	1205.6	1210.7	1213.6	1220.2	1221.6
17.5°	1149.6	1170.7	1195.4	1215.1	1228.9	1232.6	1245.6	1250.0	1255.8	1258.7	1262.4
20°	1162.0	1192.5	1222.4	1246.4	1259.5	1268.9	1282.8	1303.1	1308.9	1308.9	1306.8
22.5°	1172.9	1212.2	1252.9	1291.5	1302.4	1321.3	1346.8	1368.6	1377.3	1381.0	1378.1
25°	1186.0	1239.8	1292.9	1341.0	1370.8	1384.6	1418.8	1445.0	1455.2	1461.0	1462.5
27.5°	1208.5	1276.2	1343.9	1405.0	1435.6	1451.6	1487.2	1509.8	1522.1	1527.2	1523.6
30°	1234.0	1317.0	1395.5	1450.1	1470.5	1490.1	1513.4	1522.1	1519.2	1519.2	1530.1
32.5°	1260.2	1346.1	1415.9	1451.6	1458.8	1455.9	1446.5	1420.3	1405.0	1405.0	1414.5
35°	1274.8	1349.0	1384.6	1373.0	1344.6	1327.9	1276.2	1247.1	1214.4	1212.2	1223.1
37.5°	1266.7	1298.8	1284.2	1207.8	1169.3	1137.2	1056.5	1024.5	1000.4	967.0	1018.6
40°	1210.7	1199.8	1124.1	1014.3	971.3	926.2	862.2	830.2	796.7	791.6	804.0
42.5°	1116.1	1051.4	940.8	834.6	790.9	758.9	710.1	678.8	657.7	649.0	663.6
45°	998.3	896.4	785.8	701.4	653.4	636.6	592.3	564.6	548.6	542.1	552.2
47.5°	854.2	751.6	646.8	575.5	547.2	530.4	500.6	476.6	462.8	458.4	462.8
50°	725.4	619.9	531.9	486.0	460.6	446.7	422.0	406.7	395.8	392.9	400.2
52.5°	614.1	518.1	451.1	410.4	393.6	382.0	364.5	351.4	344.9	342.0	347.1
55°	514.4	436.6	382.7	347.8	335.4	328.1	312.9	305.6	298.3	297.6	302.7
57.5°	426.4	372.5	323.1	298.3	294.7	283.8	270.7	264.1	260.5	259.8	261.9
60°	355.1	307.0	277.2	255.4	250.3	241.6	234.3	229.9	225.6	224.1	225.6
62.5°	295.4	257.6	233.6	219.0	211.7	209.5	201.5	196.5	195.7	195.7	197.2
65°	243.7	211.7	196.5	184.8	179.7	177.5	171.7	168.1	168.8	168.8	169.5
67.5°	198.6	175.4	161.5	155.7	151.3	150.6	144.8	143.3	141.9	141.9	143.3
70°	157.9	143.3	133.2	130.2	129.5	124.4	122.2	121.5	119.3	120.1	120.1
72.5°	123.7	114.2	108.4	104.0	104.8	101.9	99.0	99.0	97.5	99.7	99.7
75°	91.7	87.3	82.9	81.5	82.9	81.5	79.3	78.6	79.3	78.6	78.6
77.5°	67.7	65.5	64.0	63.3	63.3	60.4	58.9	60.4	57.5	58.9	58.9
80°	47.3	44.4	43.7	42.2	42.9	40.7	41.5	40.0	40.0	40.0	40.0
82.5°	29.8	29.1	29.1	29.1	28.4	28.4	28.4	28.4	28.4	28.4	27.6
85°	18.2	17.5	17.5	17.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7
87.5°	7.3	8.0	8.0	8.7	8.0	7.3	7.3	7.3	8.0	8.0	7.3
90°	7.5	8.0	8.5	9.0	9.3	9.4	9.7	10.0	10.3	10.6	10.3
92.5°	20.1	20.8	21.5	22.2	22.5	22.6	22.8	23.0	23.2	23.4	23.2
95°	34.6	35.3	36.0	36.7	37.0	37.1	37.3	37.5	37.7	37.9	37.7
97.5°	51.3	51.9	52.4	53.0	53.3	53.4	53.5	53.6	53.7	53.8	53.7
100°	68.3	69.2	70.1	71.0	71.4	71.5	71.7	71.9	72.1	72.3	72.1
102.5°	86.0	87.0	87.9	88.9	89.4	89.6	89.9	90.2	90.5	90.8	90.5
105°	105.9	106.5	107.0	107.6	107.9	108.1	108.4	108.7	109.0	109.3	109.0
107.5°	126.8	127.1	127.4	127.7	127.8	127.8	127.8	127.8	127.8	127.8	127.8
110°	148.3	148.6	148.9	149.2	149.4	149.3	149.2	149.1	149.0	148.9	149.0



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	170.2	170.3	170.4	170.5	170.5	170.4	170.2	170.0	169.8	169.6	169.8
115°	192.4	192.3	192.2	192.1	192.1	192.1	192.0	191.9	191.8	191.7	191.8
117.5°	214.2	214.3	214.4	214.5	214.6	214.4	214.0	213.6	213.2	212.8	213.2
120°	236.6	236.6	236.6	236.6	236.6	236.4	236.0	235.6	235.2	234.8	235.2
122.5°	258.5	258.4	258.3	258.2	258.2	258.1	257.8	257.5	257.2	256.9	257.2
125°	280.0	279.8	279.6	279.4	279.3	279.3	279.2	279.1	279.0	278.9	279.0
127.5°	301.3	301.2	301.1	301.0	300.9	300.8	300.6	300.4	300.2	300.0	300.2
130°	322.4	322.3	322.2	322.1	322.1	322.0	321.8	321.6	321.4	321.2	321.4
132.5°	342.7	342.6	342.5	342.4	342.3	342.2	341.9	341.6	341.3	341.0	341.3
135°	363.5	363.5	363.5	363.5	363.5	363.3	362.9	362.5	362.1	361.7	362.1
137.5°	383.9	384.0	384.1	384.2	384.2	384.0	383.5	383.0	382.5	382.0	382.5
140°	402.9	403.1	403.3	403.5	403.6	403.4	402.9	402.4	401.9	401.4	401.9
142.5°	421.7	421.8	421.9	422.0	422.1	421.9	421.4	420.9	420.4	419.9	420.4
145°	439.7	439.7	439.7	439.7	439.7	439.6	439.3	439.0	438.7	438.4	438.7
147.5°	456.3	456.6	456.9	457.2	457.3	456.9	456.1	455.4	454.6	453.8	454.6
150°	472.3	472.3	472.3	472.3	472.3	472.2	472.0	471.8	471.6	471.4	471.6
152.5°	486.7	487.0	487.3	487.6	487.7	487.5	487.1	486.8	486.4	486.0	486.4
155°	500.5	500.9	501.2	501.6	501.8	501.6	501.1	500.6	500.1	499.6	500.1
157.5°	512.8	513.2	513.6	514.0	514.2	513.9	513.2	512.5	511.8	511.1	511.8
160°	523.8	524.2	524.6	525.0	525.2	525.0	524.5	524.0	523.5	523.0	523.5
162.5°	534.1	534.6	535.1	535.6	535.8	535.5	534.9	534.3	533.7	533.1	533.7
165°	543.2	543.6	544.0	544.4	544.6	544.3	543.7	543.1	542.5	541.9	542.5
167.5°	550.0	550.6	551.2	551.8	552.1	551.8	551.2	550.6	550.0	549.4	550.0
170°	556.2	556.8	557.3	557.9	558.2	557.9	557.2	556.5	555.8	555.1	555.8
172.5°	560.6	561.2	561.7	562.3	562.6	562.3	561.7	561.2	560.6	560.0	560.6
175°	563.7	564.3	564.8	565.4	565.7	565.4	564.7	564.0	563.3	562.6	563.3
177.5°	565.4	566.0	566.6	567.2	567.5	567.2	566.5	565.8	565.1	564.4	565.1
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	944.4	939.3	941.5	939.3	937.1	935.0	929.9	922.6	916.8	912.4	911.7
5°	1017.2	1010.6	1006.3	1004.1	999.7	993.9	984.4	973.5	960.4	955.3	945.2
7.5°	1084.1	1081.9	1071.8	1070.3	1067.4	1056.5	1040.5	1025.9	1009.2	995.4	982.3
10°	1147.4	1142.3	1135.1	1124.9	1123.4	1109.6	1094.3	1073.9	1052.1	1039.0	1015.7
12.5°	1186.7	1180.9	1172.9	1166.3	1162.7	1154.0	1132.9	1112.5	1092.9	1068.8	1048.5
15°	1215.1	1207.8	1193.3	1188.2	1183.8	1172.2	1156.9	1135.8	1109.6	1092.9	1063.7
17.5°	1253.7	1244.9	1230.4	1220.9	1212.9	1194.7	1172.9	1144.5	1119.8	1100.9	1074.7
20°	1298.0	1284.9	1266.0	1253.7	1242.0	1220.9	1190.4	1156.9	1121.2	1097.9	1071.0
22.5°	1371.5	1346.8	1317.0	1299.5	1283.5	1247.1	1210.7	1169.3	1129.2	1094.3	1061.6
25°	1442.8	1418.1	1381.0	1357.0	1332.2	1290.0	1242.0	1184.5	1133.6	1092.9	1049.9
27.5°	1509.0	1483.6	1449.4	1420.3	1396.3	1333.0	1269.7	1204.9	1140.1	1084.1	1040.5
30°	1524.3	1513.4	1487.2	1461.7	1439.9	1381.7	1308.2	1226.0	1148.2	1076.1	1027.4
32.5°	1431.9	1458.8	1465.4	1461.7	1447.9	1406.4	1338.8	1252.2	1159.8	1072.5	1005.5
35°	1239.8	1288.6	1338.8	1365.7	1378.8	1384.6	1344.6	1265.3	1167.8	1066.7	991.0
37.5°	1028.1	1075.4	1154.7	1194.7	1239.1	1297.3	1313.3	1262.4	1164.2	1062.3	967.7
40°	844.7	905.1	970.6	1007.0	1045.6	1150.3	1229.6	1223.8	1152.5	1046.3	949.5
42.5°	687.6	725.4	782.9	822.9	870.2	987.4	1093.6	1146.0	1117.6	1026.6	926.2
45°	573.3	602.5	643.2	683.9	713.0	819.3	945.2	1031.0	1057.9	991.7	890.6
47.5°	483.1	505.0	540.6	566.1	597.4	681.0	790.2	911.0	967.7	942.2	852.7
50°	414.0	431.5	459.8	475.8	503.5	575.5	658.5	785.1	870.9	873.8	802.5
52.5°	353.6	371.1	395.1	408.9	425.6	474.4	558.1	665.0	764.0	800.4	745.1
55°	307.8	318.0	337.6	348.5	363.8	411.1	464.2	555.2	658.5	718.1	683.2
57.5°	265.6	276.5	288.9	297.6	308.5	346.3	394.4	462.8	565.3	630.1	618.5
60°	231.4	237.9	249.6	256.1	266.3	291.0	324.5	392.9	474.4	535.5	542.1
62.5°	199.4	205.2	213.2	219.0	225.6	245.2	269.9	318.7	390.0	456.2	464.9
65°	171.7	176.8	181.2	186.3	191.4	203.7	224.8	262.7	318.0	379.8	398.7
67.5°	147.0	148.4	155.0	155.7	158.6	168.1	183.4	213.9	253.9	303.4	328.1
70°	123.0	125.9	127.3	129.5	132.4	139.0	151.3	167.3	197.2	237.2	260.5
72.5°	99.7	100.4	102.6	104.0	107.0	112.1	117.9	130.2	149.2	178.3	199.4
75°	79.3	80.0	81.5	82.2	84.4	85.9	88.8	97.5	110.6	128.1	143.3
77.5°	59.7	61.1	62.6	62.6	63.3	64.8	66.2	69.1	75.7	87.3	100.4
80°	40.7	41.5	41.5	42.2	41.5	43.7	45.8	49.5	52.4	56.0	62.6
82.5°	28.4	28.4	28.4	29.1	29.1	29.8	29.8	30.6	31.3	33.5	36.4
85°	17.5	17.5	18.2	16.7	17.5	18.2	18.2	17.5	18.2	18.9	19.6
87.5°	7.3	7.3	8.0	8.0	8.0	8.0	7.3	8.0	7.3	8.0	8.0
90°	10.0	9.7	9.4	9.3	9.0	8.5	8.0	7.5	7.0	6.3	5.7
92.5°	23.0	22.8	22.6	22.5	22.2	21.5	20.8	20.1	19.4	18.5	17.6
95°	37.5	37.3	37.1	37.0	36.7	36.0	35.3	34.6	33.9	32.9	31.9
97.5°	53.6	53.5	53.4	53.3	53.0	52.4	51.9	51.3	50.7	49.3	47.9
100°	71.9	71.7	71.5	71.4	71.0	70.1	69.2	68.3	67.4	66.1	64.9
102.5°	90.2	89.9	89.6	89.4	88.9	87.9	87.0	86.0	85.0	84.5	84.0
105°	108.7	108.4	108.1	107.9	107.6	107.0	106.5	105.9	105.3	104.7	104.1
107.5°	127.8	127.8	127.8	127.8	127.7	127.4	127.1	126.8	126.5	126.0	125.5
110°	149.1	149.2	149.3	149.4	149.2	148.9	148.6	148.3	148.0	147.7	147.4



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	170.0	170.2	170.4	170.5	170.5	170.4	170.3	170.2	170.1	169.7	169.3
115°	191.9	192.0	192.1	192.1	192.1	192.2	192.3	192.4	192.5	192.3	192.1
117.5°	213.6	214.0	214.4	214.6	214.5	214.4	214.3	214.2	214.1	213.9	213.7
120°	235.6	236.0	236.4	236.6	236.6	236.6	236.6	236.6	236.6	236.5	236.4
122.5°	257.5	257.8	258.1	258.2	258.2	258.3	258.4	258.5	258.6	258.3	258.0
125°	279.1	279.2	279.3	279.3	279.4	279.6	279.8	280.0	280.2	280.1	280.0
127.5°	300.4	300.6	300.8	300.9	301.0	301.1	301.2	301.3	301.4	301.3	301.2
130°	321.6	321.8	322.0	322.1	322.1	322.2	322.3	322.4	322.5	322.3	322.1
132.5°	341.6	341.9	342.2	342.3	342.4	342.5	342.6	342.7	342.8	342.9	343.0
135°	362.5	362.9	363.3	363.5	363.5	363.5	363.5	363.5	363.5	363.4	363.3
137.5°	383.0	383.5	384.0	384.2	384.2	384.1	384.0	383.9	383.8	383.6	383.4
140°	402.4	402.9	403.4	403.6	403.5	403.3	403.1	402.9	402.7	402.4	402.1
142.5°	420.9	421.4	421.9	422.1	422.0	421.9	421.8	421.7	421.6	421.2	420.8
145°	439.0	439.3	439.6	439.7	439.7	439.7	439.7	439.7	439.7	439.4	439.1
147.5°	455.4	456.1	456.9	457.3	457.2	456.9	456.6	456.3	456.0	455.8	455.6
150°	471.8	472.0	472.2	472.3	472.3	472.3	472.3	472.3	472.3	471.9	471.5
152.5°	486.8	487.1	487.5	487.7	487.6	487.3	487.0	486.7	486.4	486.3	486.2
155°	500.6	501.1	501.6	501.8	501.6	501.2	500.9	500.5	500.1	500.0	499.9
157.5°	512.5	513.2	513.9	514.2	514.0	513.6	513.2	512.8	512.4	512.3	512.2
160°	524.0	524.5	525.0	525.2	525.0	524.6	524.2	523.8	523.4	523.3	523.2
162.5°	534.3	534.9	535.5	535.8	535.6	535.1	534.6	534.1	533.6	533.6	533.6
165°	543.1	543.7	544.3	544.6	544.4	544.0	543.6	543.2	542.8	542.7	542.6
167.5°	550.6	551.2	551.8	552.1	551.8	551.2	550.6	550.0	549.4	549.4	549.4
170°	556.5	557.2	557.9	558.2	557.9	557.3	556.8	556.2	555.6	555.6	555.6
172.5°	561.2	561.7	562.3	562.6	562.3	561.7	561.2	560.6	560.0	560.0	560.0
175°	564.0	564.7	565.4	565.7	565.4	564.8	564.3	563.7	563.1	563.1	563.1
177.5°	565.8	566.5	567.2	567.5	567.2	566.6	566.0	565.4	564.8	564.9	565.0
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	909.5	905.1	902.2	901.5	897.1	893.5	889.1	888.4	886.2	880.4	876.8
5°	937.9	927.7	925.5	919.0	908.0	900.0	889.9	884.0	877.5	866.6	857.8
7.5°	967.0	953.2	943.0	933.5	918.2	903.7	889.1	877.5	865.8	849.8	836.7
10°	995.4	974.3	961.9	948.1	927.0	905.1	884.8	868.0	849.1	830.2	811.3
12.5°	1021.5	994.6	976.4	956.8	930.6	903.7	877.5	854.2	834.6	809.1	788.0
15°	1037.6	1007.7	989.5	970.6	931.3	901.5	870.9	841.1	814.9	788.0	768.3
17.5°	1047.0	1013.5	993.2	975.7	935.7	894.9	855.7	823.6	795.3	763.3	737.1
20°	1042.6	1009.9	991.0	974.3	927.7	886.9	844.7	807.6	772.0	739.2	711.6
22.5°	1033.2	999.0	977.9	962.6	921.1	873.1	826.6	786.5	749.4	716.7	685.4
25°	1012.8	979.3	961.2	942.2	901.5	855.7	808.4	765.4	726.1	691.2	656.3
27.5°	994.6	953.9	935.0	918.2	875.3	834.6	788.0	740.7	700.7	664.3	629.4
30°	973.5	927.7	907.3	884.8	846.2	807.6	761.1	717.4	675.9	637.4	603.9
32.5°	951.0	897.9	874.6	849.1	809.8	773.4	734.1	691.2	649.7	611.9	577.0
35°	921.9	865.1	838.2	814.2	773.4	737.1	700.7	665.0	623.6	583.5	550.1
37.5°	894.2	831.6	803.3	775.6	732.7	697.8	667.9	634.5	594.4	555.9	523.9
40°	862.9	790.9	761.8	736.3	691.9	653.4	626.5	600.3	565.3	528.2	493.3
42.5°	834.6	753.1	722.5	696.3	649.7	613.4	587.9	566.1	535.5	501.3	465.7
45°	795.3	712.3	681.0	653.4	606.1	571.9	545.7	526.8	502.8	470.8	438.7
47.5°	758.9	673.0	638.8	605.4	562.4	527.5	503.5	488.9	472.9	444.6	411.8
50°	714.5	627.9	593.0	565.3	516.6	486.8	462.8	452.6	438.0	411.1	384.9
52.5°	666.5	584.3	551.5	518.1	472.9	443.8	422.7	411.1	399.5	379.8	355.1
55°	610.5	535.5	505.0	475.1	430.0	403.1	384.2	371.8	365.3	347.1	328.9
57.5°	556.6	486.0	457.7	430.0	390.7	360.2	347.8	336.9	327.4	314.3	299.0
60°	502.0	438.0	407.5	382.7	348.5	320.9	310.7	299.8	292.5	282.3	271.4
62.5°	439.5	384.9	361.6	338.3	309.2	287.4	275.8	267.0	257.6	251.0	241.6
65°	373.3	334.7	312.1	294.7	267.0	247.4	238.7	232.8	224.8	218.3	211.0
67.5°	311.4	280.9	271.4	252.5	231.4	213.9	207.4	200.1	193.5	189.9	183.4
70°	251.7	229.9	220.5	215.4	192.1	180.4	174.6	171.7	163.7	160.1	155.7
72.5°	195.0	187.0	180.4	173.9	158.6	151.3	144.8	141.9	136.1	133.2	131.7
75°	144.1	139.0	135.3	134.6	128.1	120.8	114.2	112.8	108.4	105.5	104.0
77.5°	101.1	99.7	99.0	99.7	95.3	90.9	89.5	88.0	82.9	82.2	82.2
80°	66.2	69.8	69.8	69.1	67.7	66.9	64.8	63.3	60.4	59.7	60.4
82.5°	40.7	42.9	43.7	45.1	44.4	43.7	42.2	41.5	42.2	40.7	41.5
85°	20.4	21.8	24.7	24.7	25.5	25.5	25.5	24.7	23.3	24.0	23.3
87.5°	8.0	8.7	8.7	8.7	8.0	10.2	10.9	10.9	10.9	9.5	9.5
90°	5.0	4.3	4.0	3.6	2.8	2.0	1.2	0.4	1.2	2.0	2.8
92.5°	16.7	15.8	15.4	15.2	14.7	14.2	13.7	13.2	13.7	14.2	14.7
95°	31.0	30.0	29.5	29.4	29.2	29.0	28.8	28.6	28.8	29.0	29.2
97.5°	46.6	45.2	44.5	44.5	44.4	44.3	44.2	44.1	44.2	44.3	44.4
100°	63.6	62.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
102.5°	83.5	83.0	82.8	82.6	82.1	81.6	81.1	80.6	81.1	81.6	82.1
105°	103.6	103.0	102.7	102.5	102.0	101.5	101.0	100.5	101.0	101.5	102.0
107.5°	125.0	124.5	124.2	124.0	123.5	123.0	122.5	122.0	122.5	123.0	123.5
110°	147.1	146.8	146.7	146.5	146.0	145.5	145.0	144.5	145.0	145.5	146.0



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	168.9	168.5	168.3	168.2	168.0	167.8	167.6	167.4	167.6	167.8	168.0
115°	192.0	191.8	191.7	191.5	191.1	190.7	190.3	189.9	190.3	190.7	191.1
117.5°	213.5	213.3	213.2	213.2	213.1	213.0	212.9	212.8	212.9	213.0	213.1
120°	236.3	236.2	236.2	236.0	235.5	235.0	234.5	234.0	234.5	235.0	235.5
122.5°	257.7	257.4	257.3	257.3	257.2	257.1	257.0	256.9	257.0	257.1	257.2
125°	279.9	279.8	279.8	279.5	278.9	278.3	277.7	277.1	277.7	278.3	278.9
127.5°	301.1	301.0	300.9	300.8	300.5	300.2	299.9	299.6	299.9	300.2	300.5
130°	321.9	321.7	321.6	321.4	320.9	320.4	319.9	319.4	319.9	320.4	320.9
132.5°	343.1	343.2	343.2	342.8	341.9	341.0	340.2	339.3	340.2	341.0	341.9
135°	363.2	363.1	363.1	362.8	362.2	361.6	361.0	360.4	361.0	361.6	362.2
137.5°	383.2	383.0	382.9	382.6	382.0	381.4	380.8	380.2	380.8	381.4	382.0
140°	401.8	401.5	401.4	401.2	400.7	400.2	399.7	399.2	399.7	400.2	400.7
142.5°	420.5	420.1	419.9	419.7	419.3	418.9	418.5	418.1	418.5	418.9	419.3
145°	438.8	438.5	438.4	438.2	437.8	437.4	437.0	436.6	437.0	437.4	437.8
147.5°	455.4	455.2	455.1	455.0	454.7	454.4	454.1	453.8	454.1	454.4	454.7
150°	471.2	470.8	470.6	470.6	470.7	470.8	470.9	471.0	470.9	470.8	470.7
152.5°	486.1	486.0	486.0	485.9	485.7	485.5	485.3	485.1	485.3	485.5	485.7
155°	499.8	499.7	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
157.5°	512.1	512.0	512.0	512.1	512.3	512.5	512.7	512.9	512.7	512.5	512.3
160°	523.1	523.0	523.0	523.1	523.4	523.7	524.0	524.3	524.0	523.7	523.4
162.5°	533.6	533.6	533.6	533.7	533.9	534.0	534.2	534.4	534.2	534.0	533.9
165°	542.5	542.4	542.4	542.5	542.7	542.9	543.1	543.3	543.1	542.9	542.7
167.5°	549.4	549.4	549.4	549.6	550.0	550.4	550.8	551.2	550.8	550.4	550.0
170°	555.6	555.6	555.6	555.8	556.2	556.6	557.0	557.4	557.0	556.6	556.2
172.5°	560.0	560.0	560.0	560.2	560.6	561.0	561.4	561.8	561.4	561.0	560.6
175°	563.1	563.1	563.1	563.3	563.7	564.0	564.4	564.8	564.4	564.0	563.7
177.5°	565.1	565.2	565.3	565.5	565.9	566.2	566.6	567.0	566.6	566.2	565.9
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	874.6	871.7	869.5	867.3	857.8	847.7	846.2	844.0	839.6	844.7	842.6
5°	852.0	845.5	841.8	832.4	820.7	812.0	804.7	796.0	792.4	789.4	788.7
7.5°	824.4	818.5	812.0	802.5	788.0	773.4	762.5	753.8	746.5	742.9	742.9
10°	797.4	790.2	781.4	765.4	751.6	733.4	721.8	713.0	702.9	697.0	691.9
12.5°	769.8	761.8	753.8	733.4	717.4	698.5	681.8	670.8	665.8	659.2	650.5
15°	742.2	729.8	721.8	701.4	681.0	662.1	651.2	639.6	627.9	621.4	618.5
17.5°	713.0	704.3	691.2	669.4	646.8	630.1	614.1	603.2	589.4	582.8	576.3
20°	686.9	673.8	660.7	638.8	617.0	594.4	578.4	565.3	556.6	551.5	545.7
22.5°	655.6	643.2	632.3	609.0	585.0	563.9	546.4	538.4	529.7	521.7	515.9
25°	628.6	616.3	605.4	579.9	553.7	534.1	521.0	510.8	501.3	497.7	491.9
27.5°	600.3	588.6	574.1	548.6	525.3	508.6	494.8	485.3	478.0	470.8	466.4
30°	573.3	560.3	547.2	519.5	500.6	483.9	470.8	459.1	453.3	449.7	442.4
32.5°	547.2	530.4	519.5	494.0	475.8	459.8	448.9	438.7	431.5	424.9	419.1
35°	518.8	500.6	489.7	468.6	449.7	433.6	424.2	416.9	408.2	402.4	399.5
37.5°	491.9	476.6	465.7	443.8	424.9	411.8	401.6	392.2	388.5	380.5	379.1
40°	462.8	449.7	439.5	418.4	400.9	390.7	379.8	371.1	364.5	360.9	355.8
42.5°	436.6	425.6	414.7	395.1	378.4	366.0	358.0	350.0	344.2	338.3	334.7
45°	412.5	400.9	390.7	371.8	355.1	344.2	336.2	326.7	325.2	317.2	313.6
47.5°	387.1	376.9	368.2	348.5	333.2	322.3	312.9	306.3	299.8	296.9	291.8
50°	362.3	352.2	342.0	324.5	310.7	299.8	290.3	283.0	279.4	275.0	270.7
52.5°	335.4	327.4	319.4	301.2	287.4	277.9	269.9	260.5	256.8	253.2	250.3
55°	312.9	301.2	292.5	277.2	264.8	254.7	245.9	238.7	235.0	232.1	228.5
57.5°	282.3	275.0	267.8	253.9	242.3	232.1	223.4	217.6	213.2	211.0	211.7
60°	256.1	248.1	243.7	229.2	217.6	209.5	201.5	195.7	191.4	189.2	188.4
62.5°	228.5	222.6	214.6	204.5	192.8	185.5	179.7	175.4	168.1	167.3	165.2
65°	201.5	197.2	189.9	180.4	171.0	164.4	157.9	152.1	149.2	145.5	143.3
67.5°	175.4	171.0	164.4	156.4	149.9	143.3	137.5	131.7	126.6	123.7	122.2
70°	149.9	146.2	141.9	132.4	124.4	119.3	115.0	111.3	106.2	104.8	104.0
72.5°	125.1	121.5	119.3	111.3	104.0	99.7	95.3	91.7	89.5	88.8	86.6
75°	102.6	99.0	96.0	88.8	84.4	81.5	77.1	75.7	73.5	72.8	72.0
77.5°	80.0	76.4	75.7	70.6	65.5	64.0	62.6	59.7	59.7	59.7	58.2
80°	57.5	56.8	56.0	50.9	48.7	47.3	46.6	44.4	42.9	41.5	40.7
82.5°	38.6	37.8	37.1	34.9	32.7	32.0	31.3	29.8	29.8	30.6	29.1
85°	23.3	21.8	21.1	20.4	18.9	18.9	19.6	18.9	18.9	18.9	18.2
87.5°	8.7	8.7	8.7	8.7	9.5	8.0	8.7	8.7	8.0	8.0	7.3
90°	3.6	4.0	4.3	5.0	5.7	6.3	7.0	7.5	8.0	8.5	9.0
92.5°	15.2	15.4	15.8	16.7	17.6	18.5	19.4	20.1	20.8	21.5	22.2
95°	29.4	29.5	30.0	31.0	31.9	32.9	33.9	34.6	35.3	36.0	36.7
97.5°	44.5	44.5	45.2	46.6	47.9	49.3	50.7	51.3	51.9	52.4	53.0
100°	61.7	61.7	62.3	63.6	64.9	66.1	67.4	68.3	69.2	70.1	71.0
102.5°	82.6	82.8	83.0	83.5	84.0	84.5	85.0	86.0	87.0	87.9	88.9
105°	102.5	102.7	103.0	103.6	104.1	104.7	105.3	105.9	106.5	107.0	107.6
107.5°	124.0	124.2	124.5	125.0	125.5	126.0	126.5	126.8	127.1	127.4	127.7
110°	146.5	146.7	146.8	147.1	147.4	147.7	148.0	148.3	148.6	148.9	149.2



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.2	168.3	168.5	168.9	169.3	169.7	170.1	170.2	170.3	170.4	170.5
115°	191.5	191.7	191.8	192.0	192.1	192.3	192.5	192.4	192.3	192.2	192.1
117.5°	213.2	213.2	213.3	213.5	213.7	213.9	214.1	214.2	214.3	214.4	214.5
120°	236.0	236.2	236.2	236.3	236.4	236.5	236.6	236.6	236.6	236.6	236.6
122.5°	257.3	257.3	257.4	257.7	258.0	258.3	258.6	258.5	258.4	258.3	258.2
125°	279.5	279.8	279.8	279.9	280.0	280.1	280.2	280.0	279.8	279.6	279.4
127.5°	300.8	300.9	301.0	301.1	301.2	301.3	301.4	301.3	301.2	301.1	301.0
130°	321.4	321.6	321.7	321.9	322.1	322.3	322.5	322.4	322.3	322.2	322.1
132.5°	342.8	343.2	343.2	343.1	343.0	342.9	342.8	342.7	342.6	342.5	342.4
135°	362.8	363.1	363.1	363.2	363.3	363.4	363.5	363.5	363.5	363.5	363.5
137.5°	382.6	382.9	383.0	383.2	383.4	383.6	383.8	383.9	384.0	384.1	384.2
140°	401.2	401.4	401.5	401.8	402.1	402.4	402.7	402.9	403.1	403.3	403.5
142.5°	419.7	419.9	420.1	420.5	420.8	421.2	421.6	421.7	421.8	421.9	422.0
145°	438.2	438.4	438.5	438.8	439.1	439.4	439.7	439.7	439.7	439.7	439.7
147.5°	455.0	455.1	455.2	455.4	455.6	455.8	456.0	456.3	456.6	456.9	457.2
150°	470.6	470.6	470.8	471.2	471.5	471.9	472.3	472.3	472.3	472.3	472.3
152.5°	485.9	486.0	486.0	486.1	486.2	486.3	486.4	486.7	487.0	487.3	487.6
155°	499.6	499.6	499.7	499.8	499.9	500.0	500.1	500.5	500.9	501.2	501.6
157.5°	512.1	512.0	512.0	512.1	512.2	512.3	512.4	512.8	513.2	513.6	514.0
160°	523.1	523.0	523.0	523.1	523.2	523.3	523.4	523.8	524.2	524.6	525.0
162.5°	533.7	533.6	533.6	533.6	533.6	533.6	533.6	534.1	534.6	535.1	535.6
165°	542.5	542.4	542.4	542.5	542.6	542.7	542.8	543.2	543.6	544.0	544.4
167.5°	549.6	549.4	549.4	549.4	549.4	549.4	549.4	550.0	550.6	551.2	551.8
170°	555.8	555.6	555.6	555.6	555.6	555.6	555.6	556.2	556.8	557.3	557.9
172.5°	560.2	560.0	560.0	560.0	560.0	560.0	560.0	560.6	561.2	561.7	562.3
175°	563.3	563.1	563.1	563.1	563.1	563.1	563.1	563.7	564.3	564.8	565.4
177.5°	565.5	565.3	565.2	565.1	565.0	564.9	564.8	565.4	566.0	566.6	567.2
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	838.9	840.4	836.7	835.3	832.4	836.0	836.7	836.0	842.6	839.6	841.1
5°	790.2	787.3	785.1	780.0	780.0	780.7	782.9	779.3	781.4	786.5	785.8
7.5°	736.3	734.9	735.6	729.8	725.4	726.9	725.4	732.0	735.6	734.1	737.1
10°	687.6	690.5	683.9	681.0	678.1	681.0	680.3	681.8	686.1	689.0	694.1
12.5°	648.3	647.6	643.9	641.0	635.9	637.4	641.7	640.3	641.0	647.6	646.8
15°	611.2	606.8	603.9	597.4	598.8	593.7	598.1	603.2	605.4	611.2	614.8
17.5°	574.1	573.3	569.7	569.0	561.0	558.8	563.2	564.6	566.8	569.7	574.8
20°	542.8	542.1	537.0	535.5	529.0	533.3	531.9	534.8	536.2	542.1	544.2
22.5°	514.4	510.8	509.3	507.1	505.0	504.2	507.1	506.4	511.5	513.7	514.4
25°	488.2	485.3	484.6	480.9	479.5	477.3	479.5	481.7	487.5	489.7	492.6
27.5°	464.2	462.0	460.6	457.7	455.5	455.5	456.9	459.8	462.0	463.5	464.9
30°	442.4	440.9	436.6	435.1	432.9	432.9	432.9	434.4	438.0	442.4	444.6
32.5°	419.8	416.9	414.0	414.0	411.8	411.8	412.5	414.0	417.6	418.4	422.0
35°	398.0	395.1	392.9	391.4	392.2	389.3	390.7	392.9	397.3	398.7	400.9
37.5°	376.9	376.2	371.8	369.6	371.1	371.1	370.3	371.8	374.7	377.6	379.1
40°	353.6	352.2	352.2	350.0	350.7	347.8	350.0	351.4	352.9	355.8	358.0
42.5°	333.2	331.8	328.9	329.6	327.4	327.4	328.9	329.6	331.8	335.4	336.9
45°	311.4	311.4	310.0	307.8	308.5	306.3	307.8	308.5	311.4	315.1	313.6
47.5°	290.3	289.6	289.6	286.7	288.1	285.9	288.1	288.9	290.3	292.5	291.8
50°	269.9	267.8	268.5	267.8	267.0	267.0	268.5	268.5	269.9	269.9	272.1
52.5°	248.8	248.8	247.4	248.1	249.6	248.1	250.3	248.1	249.6	250.3	251.7
55°	229.9	228.5	229.2	228.5	231.4	229.2	231.4	229.9	231.4	230.6	232.1
57.5°	209.5	207.4	208.1	207.4	209.5	208.8	211.0	208.8	209.5	210.3	212.5
60°	186.3	186.3	186.3	184.8	187.0	187.0	186.3	186.3	189.2	190.6	189.9
62.5°	164.4	163.7	161.5	160.8	161.5	160.1	163.0	162.3	163.7	165.2	166.6
65°	140.4	139.0	138.2	136.8	136.8	136.1	136.8	139.7	140.4	141.2	144.8
67.5°	120.8	120.1	119.3	117.1	117.1	118.6	118.6	118.6	123.0	120.8	123.7
70°	103.3	101.9	100.4	99.7	99.7	100.4	101.1	101.9	101.1	104.0	104.8
72.5°	86.6	87.3	85.9	85.9	85.9	85.1	85.1	86.6	87.3	86.6	87.3
75°	72.0	72.0	71.3	72.0	72.0	71.3	71.3	72.8	72.8	72.0	74.2
77.5°	58.2	57.5	56.0	54.6	55.3	54.6	55.3	54.6	56.8	58.9	57.5
80°	40.7	40.0	40.0	40.0	40.7	40.0	41.5	40.0	40.7	40.7	41.5
82.5°	29.1	29.8	29.8	29.1	29.8	29.1	29.8	29.8	29.8	29.1	29.8
85°	18.9	18.9	18.9	18.9	18.2	18.9	18.9	18.9	19.6	18.9	19.6
87.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.7	8.0	8.7
90°	9.3	9.4	9.7	10.0	10.3	10.6	10.3	10.0	9.7	9.4	9.3
92.5°	22.5	22.6	22.8	23.0	23.2	23.4	23.2	23.0	22.8	22.6	22.5
95°	37.0	37.1	37.3	37.5	37.7	37.9	37.7	37.5	37.3	37.1	37.0
97.5°	53.3	53.4	53.5	53.6	53.7	53.8	53.7	53.6	53.5	53.4	53.3
100°	71.4	71.5	71.7	71.9	72.1	72.3	72.1	71.9	71.7	71.5	71.4
102.5°	89.4	89.6	89.9	90.2	90.5	90.8	90.5	90.2	89.9	89.6	89.4
105°	107.9	108.1	108.4	108.7	109.0	109.3	109.0	108.7	108.4	108.1	107.9
107.5°	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
110°	149.4	149.3	149.2	149.1	149.0	148.9	149.0	149.1	149.2	149.3	149.4



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	170.5	170.4	170.2	170.0	169.8	169.6	169.8	170.0	170.2	170.4	170.5
115°	192.1	192.1	192.0	191.9	191.8	191.7	191.8	191.9	192.0	192.1	192.1
117.5°	214.6	214.4	214.0	213.6	213.2	212.8	213.2	213.6	214.0	214.4	214.6
120°	236.6	236.4	236.0	235.6	235.2	234.8	235.2	235.6	236.0	236.4	236.6
122.5°	258.2	258.1	257.8	257.5	257.2	256.9	257.2	257.5	257.8	258.1	258.2
125°	279.3	279.3	279.2	279.1	279.0	278.9	279.0	279.1	279.2	279.3	279.3
127.5°	300.9	300.8	300.6	300.4	300.2	300.0	300.2	300.4	300.6	300.8	300.9
130°	322.1	322.0	321.8	321.6	321.4	321.2	321.4	321.6	321.8	322.0	322.1
132.5°	342.3	342.2	341.9	341.6	341.3	341.0	341.3	341.6	341.9	342.2	342.3
135°	363.5	363.3	362.9	362.5	362.1	361.7	362.1	362.5	362.9	363.3	363.5
137.5°	384.2	384.0	383.5	383.0	382.5	382.0	382.5	383.0	383.5	384.0	384.2
140°	403.6	403.4	402.9	402.4	401.9	401.4	401.9	402.4	402.9	403.4	403.6
142.5°	422.1	421.9	421.4	420.9	420.4	419.9	420.4	420.9	421.4	421.9	422.1
145°	439.7	439.6	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.7
147.5°	457.3	456.9	456.1	455.4	454.6	453.8	454.6	455.4	456.1	456.9	457.3
150°	472.3	472.2	472.0	471.8	471.6	471.4	471.6	471.8	472.0	472.2	472.3
152.5°	487.7	487.5	487.1	486.8	486.4	486.0	486.4	486.8	487.1	487.5	487.7
155°	501.8	501.6	501.1	500.6	500.1	499.6	500.1	500.6	501.1	501.6	501.8
157.5°	514.2	513.9	513.2	512.5	511.8	511.1	511.8	512.5	513.2	513.9	514.2
160°	525.2	525.0	524.5	524.0	523.5	523.0	523.5	524.0	524.5	525.0	525.2
162.5°	535.8	535.5	534.9	534.3	533.7	533.1	533.7	534.3	534.9	535.5	535.8
165°	544.6	544.3	543.7	543.1	542.5	541.9	542.5	543.1	543.7	544.3	544.6
167.5°	552.1	551.8	551.2	550.6	550.0	549.4	550.0	550.6	551.2	551.8	552.1
170°	558.2	557.9	557.2	556.5	555.8	555.1	555.8	556.5	557.2	557.9	558.2
172.5°	562.6	562.3	561.7	561.2	560.6	560.0	560.6	561.2	561.7	562.3	562.6
175°	565.7	565.4	564.7	564.0	563.3	562.6	563.3	564.0	564.7	565.4	565.7
177.5°	567.5	567.2	566.5	565.8	565.1	564.4	565.1	565.8	566.5	567.2	567.5
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



TEST NUMBER: P1036043
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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2	886.2
2.5°	838.2	841.8	838.9	836.7	842.6	845.5	845.5	850.6	855.7	860.0	860.7
5°	786.5	792.4	793.8	793.1	801.8	806.2	815.6	820.7	828.0	833.1	838.9
7.5°	739.2	747.2	748.0	749.4	762.5	769.8	777.8	790.9	801.1	808.4	814.9
10°	691.9	697.0	702.1	708.7	721.8	734.1	745.8	759.6	772.7	780.0	789.4
12.5°	656.3	659.9	665.8	670.1	683.9	694.9	710.1	729.1	748.0	753.8	765.4
15°	619.2	621.4	633.0	637.4	649.0	667.2	676.7	694.9	715.2	726.1	739.2
17.5°	576.3	589.4	596.6	601.7	616.3	630.8	646.1	665.0	691.2	701.4	710.9
20°	545.7	555.2	563.2	569.7	582.8	604.6	618.5	633.7	658.5	670.1	683.9
22.5°	518.8	526.8	534.1	541.3	550.1	569.7	585.7	606.8	631.6	642.5	658.5
25°	493.3	501.3	505.7	514.4	526.1	539.9	558.8	577.7	602.5	614.8	630.1
27.5°	468.6	476.6	484.6	491.9	499.9	513.0	526.1	550.1	575.5	590.1	603.2
30°	447.5	451.1	458.4	466.4	474.4	486.8	502.0	518.8	547.9	561.0	577.0
32.5°	424.2	430.7	435.8	441.7	451.8	462.0	475.8	496.9	520.2	532.6	550.1
35°	402.4	408.2	411.8	422.0	428.6	439.5	453.3	472.2	491.9	505.7	521.0
37.5°	381.3	387.1	391.4	397.3	406.0	415.5	430.0	443.8	467.1	478.8	496.2
40°	359.4	364.5	369.6	376.2	384.2	395.8	404.5	422.0	440.9	454.0	467.1
42.5°	338.3	341.2	347.1	354.3	362.3	372.5	384.9	398.7	417.6	429.3	440.9
45°	315.8	320.9	327.4	332.5	339.8	350.0	360.9	373.3	392.2	403.8	416.2
47.5°	294.7	298.3	302.7	310.7	320.1	327.4	339.1	350.7	368.2	379.1	390.7
50°	272.8	276.5	283.0	288.1	295.4	304.9	315.8	328.1	344.9	352.2	363.8
52.5°	252.5	253.9	260.5	265.6	272.8	283.8	292.5	303.4	319.4	327.4	339.1
55°	232.1	233.6	237.2	242.3	250.3	259.0	268.5	280.9	294.7	302.0	312.9
57.5°	211.0	212.5	216.1	219.7	227.7	235.7	246.7	256.8	270.7	277.2	287.4
60°	189.9	189.9	193.5	198.6	204.5	211.7	221.2	233.6	243.7	251.7	259.0
62.5°	167.3	169.5	171.7	175.4	181.9	190.6	198.6	207.4	219.7	225.6	232.1
65°	144.8	147.0	151.3	155.0	160.1	165.9	176.1	183.4	192.8	199.4	205.2
67.5°	125.1	127.3	130.2	134.6	138.2	144.8	152.1	159.3	169.5	173.9	178.3
70°	104.8	107.0	109.1	115.0	118.6	123.7	128.8	136.1	144.8	147.7	151.3
72.5°	88.8	89.5	92.4	93.9	99.0	103.3	109.1	113.5	120.1	123.7	126.6
75°	74.9	74.9	75.7	77.1	80.0	82.9	87.3	91.7	97.5	99.7	103.3
77.5°	58.9	61.1	60.4	61.8	63.3	64.8	68.4	71.3	77.1	78.6	80.0
80°	42.2	42.9	45.1	47.3	47.3	49.5	51.7	52.4	56.0	58.2	58.2
82.5°	30.6	31.3	30.6	31.3	32.0	32.7	34.9	37.8	37.8	38.6	40.0
85°	18.9	18.9	19.6	20.4	20.4	19.6	21.1	20.4	21.1	22.6	22.6
87.5°	9.5	8.7	8.7	8.7	8.7	8.7	9.5	8.7	9.5	9.5	9.5
90°	9.0	8.5	8.0	7.5	7.0	6.3	5.7	5.0	4.3	4.0	3.6
92.5°	22.2	21.5	20.8	20.1	19.4	18.5	17.6	16.7	15.8	15.4	15.2
95°	36.7	36.0	35.3	34.6	33.9	32.9	31.9	31.0	30.0	29.5	29.4
97.5°	53.0	52.4	51.9	51.3	50.7	49.3	47.9	46.6	45.2	44.5	44.5
100°	71.0	70.1	69.2	68.3	67.4	66.1	64.9	63.6	62.3	61.7	61.7
102.5°	88.9	87.9	87.0	86.0	85.0	84.5	84.0	83.5	83.0	82.8	82.6
105°	107.6	107.0	106.5	105.9	105.3	104.7	104.1	103.6	103.0	102.7	102.5
107.5°	127.7	127.4	127.1	126.8	126.5	126.0	125.5	125.0	124.5	124.2	124.0
110°	149.2	148.9	148.6	148.3	148.0	147.7	147.4	147.1	146.8	146.7	146.5



TEST NUMBER: P1036043

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	170.5	170.4	170.3	170.2	170.1	169.7	169.3	168.9	168.5	168.3	168.2
115°	192.1	192.2	192.3	192.4	192.5	192.3	192.1	192.0	191.8	191.7	191.5
117.5°	214.5	214.4	214.3	214.2	214.1	213.9	213.7	213.5	213.3	213.2	213.2
120°	236.6	236.6	236.6	236.6	236.6	236.5	236.4	236.3	236.2	236.2	236.0
122.5°	258.2	258.3	258.4	258.5	258.6	258.3	258.0	257.7	257.4	257.3	257.3
125°	279.4	279.6	279.8	280.0	280.2	280.1	280.0	279.9	279.8	279.8	279.5
127.5°	301.0	301.1	301.2	301.3	301.4	301.3	301.2	301.1	301.0	300.9	300.8
130°	322.1	322.2	322.3	322.4	322.5	322.3	322.1	321.9	321.7	321.6	321.4
132.5°	342.4	342.5	342.6	342.7	342.8	342.9	343.0	343.1	343.2	343.2	342.8
135°	363.5	363.5	363.5	363.5	363.5	363.4	363.3	363.2	363.1	363.1	362.8
137.5°	384.2	384.1	384.0	383.9	383.8	383.6	383.4	383.2	383.0	382.9	382.6
140°	403.5	403.3	403.1	402.9	402.7	402.4	402.1	401.8	401.5	401.4	401.2
142.5°	422.0	421.9	421.8	421.7	421.6	421.2	420.8	420.5	420.1	419.9	419.7
145°	439.7	439.7	439.7	439.7	439.7	439.4	439.1	438.8	438.5	438.4	438.2
147.5°	457.2	456.9	456.6	456.3	456.0	455.8	455.6	455.4	455.2	455.1	455.0
150°	472.3	472.3	472.3	472.3	472.3	471.9	471.5	471.2	470.8	470.6	470.6
152.5°	487.6	487.3	487.0	486.7	486.4	486.3	486.2	486.1	486.0	486.0	485.9
155°	501.6	501.2	500.9	500.5	500.1	500.0	499.9	499.8	499.7	499.6	499.6
157.5°	514.0	513.6	513.2	512.8	512.4	512.3	512.2	512.1	512.0	512.0	512.1
160°	525.0	524.6	524.2	523.8	523.4	523.3	523.2	523.1	523.0	523.0	523.1
162.5°	535.6	535.1	534.6	534.1	533.6	533.6	533.6	533.6	533.6	533.6	533.7
165°	544.4	544.0	543.6	543.2	542.8	542.7	542.6	542.5	542.4	542.4	542.5
167.5°	551.8	551.2	550.6	550.0	549.4	549.4	549.4	549.4	549.4	549.4	549.6
170°	557.9	557.3	556.8	556.2	555.6	555.6	555.6	555.6	555.6	555.6	555.8
172.5°	562.3	561.7	561.2	560.6	560.0	560.0	560.0	560.0	560.0	560.0	560.2
175°	565.4	564.8	564.3	563.7	563.1	563.1	563.1	563.1	563.1	563.1	563.3
177.5°	567.2	566.6	566.0	565.4	564.8	564.9	565.0	565.1	565.2	565.3	565.5
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	886.2	886.2	886.2	886.2
2.5°	865.8	872.4	878.9	886.9
5°	848.4	860.0	872.4	884.0
7.5°	829.5	846.2	862.2	878.9
10°	808.4	829.5	847.7	870.9
12.5°	785.1	807.6	833.1	859.3
15°	761.8	790.2	817.1	846.9
17.5°	740.0	766.9	796.7	832.4
20°	713.8	743.6	777.1	814.9
22.5°	686.1	718.9	755.2	796.0
25°	662.8	696.3	731.2	774.2
27.5°	637.4	672.3	706.5	752.3
30°	608.3	646.1	681.0	728.3
32.5°	580.6	618.5	657.0	701.4
35°	553.7	590.8	629.4	674.5
37.5°	528.2	561.7	599.5	640.3
40°	504.2	534.8	568.3	605.4
42.5°	473.7	509.3	540.6	567.5
45°	447.5	476.6	505.7	527.5
47.5°	416.9	446.0	470.8	488.2
50°	391.4	414.7	435.1	450.4
52.5°	360.9	382.7	399.5	411.1
55°	331.1	350.0	364.5	372.5
57.5°	304.1	316.5	327.4	334.7
60°	274.3	283.8	293.2	301.2
62.5°	242.3	252.5	257.6	266.3
65°	213.9	220.5	228.5	231.4
67.5°	186.3	189.9	195.0	200.8
70°	157.2	159.3	164.4	172.4
72.5°	131.7	133.9	137.5	140.4
75°	104.8	107.0	109.9	112.8
77.5°	82.2	82.9	84.4	87.3
80°	59.7	61.8	63.3	64.0
82.5°	41.5	42.2	42.2	42.9
85°	26.2	24.7	24.7	25.5
87.5°	9.5	10.9	10.9	12.4
90°	2.8	2.0	1.2	0.4
92.5°	14.7	14.2	13.7	13.2
95°	29.2	29.0	28.8	28.6
97.5°	44.4	44.3	44.2	44.1
100°	61.7	61.7	61.7	61.7
102.5°	82.1	81.6	81.1	80.6
105°	102.0	101.5	101.0	100.5
107.5°	123.5	123.0	122.5	122.0
110°	146.0	145.5	145.0	144.5



TEST NUMBER: P1036043

CATALOG NUMBER: S125RDIW-B610D470UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	168.0	167.8	167.6	167.4
115°	191.1	190.7	190.3	189.9
117.5°	213.1	213.0	212.9	212.8
120°	235.5	235.0	234.5	234.0
122.5°	257.2	257.1	257.0	256.9
125°	278.9	278.3	277.7	277.1
127.5°	300.5	300.2	299.9	299.6
130°	320.9	320.4	319.9	319.4
132.5°	341.9	341.0	340.2	339.3
135°	362.2	361.6	361.0	360.4
137.5°	382.0	381.4	380.8	380.2
140°	400.7	400.2	399.7	399.2
142.5°	419.3	418.9	418.5	418.1
145°	437.8	437.4	437.0	436.6
147.5°	454.7	454.4	454.1	453.8
150°	470.7	470.8	470.9	471.0
152.5°	485.7	485.5	485.3	485.1
155°	499.6	499.6	499.6	499.6
157.5°	512.3	512.5	512.7	512.9
160°	523.4	523.7	524.0	524.3
162.5°	533.9	534.0	534.2	534.4
165°	542.7	542.9	543.1	543.3
167.5°	550.0	550.4	550.8	551.2
170°	556.2	556.6	557.0	557.4
172.5°	560.6	561.0	561.4	561.8
175°	563.7	564.0	564.4	564.8
177.5°	565.9	566.2	566.6	567.0
180°	566.2	566.2	566.2	566.2

(END OF REPORT)