

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: P1032980

Luminaire Tested: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032980
REPORT IS A COMBINATION OF REPORTS P1000443 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K
Description: Define 4 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

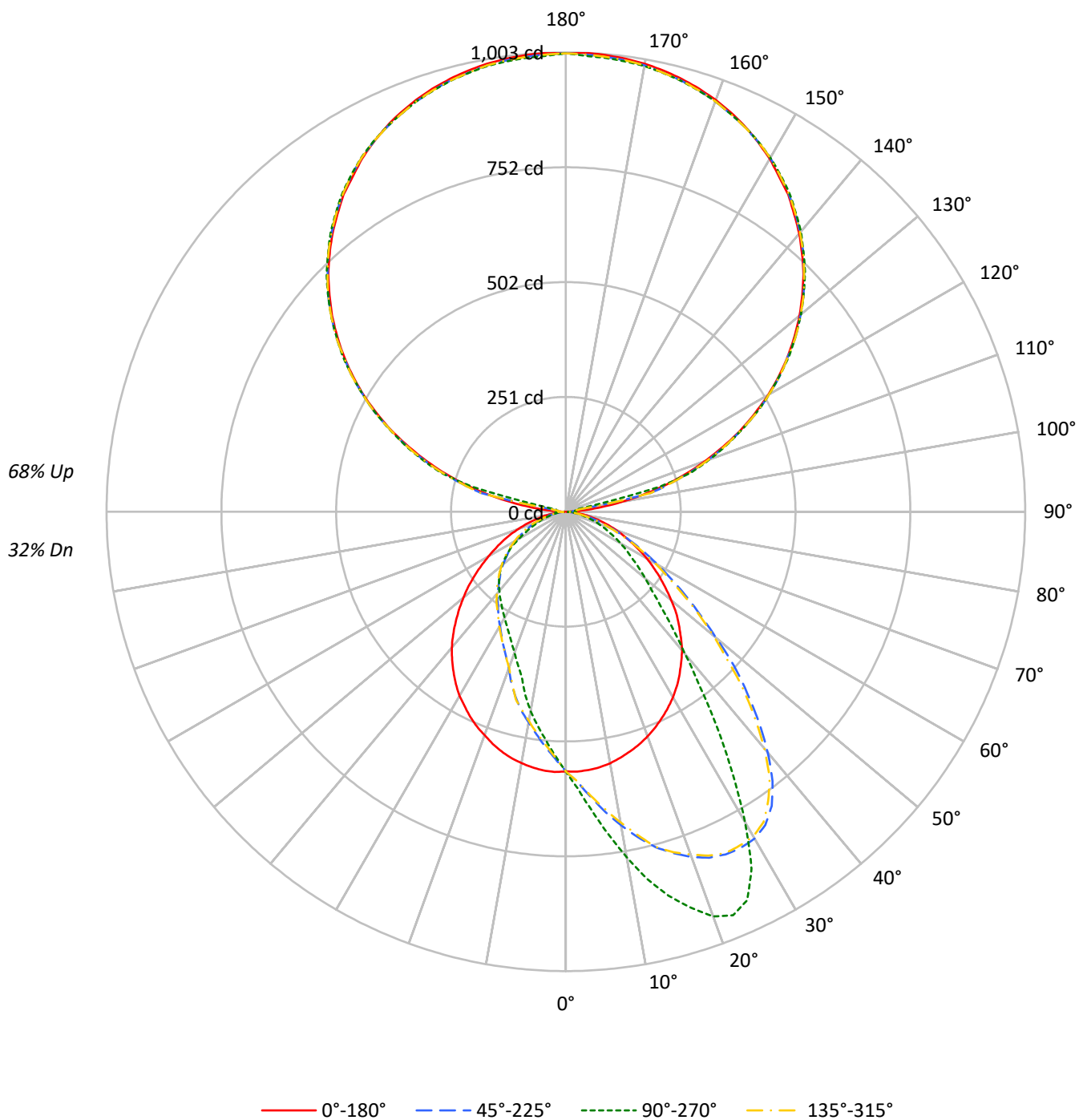
Lumens per Lamp: N/A
Luminaire Lumens: 4532.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 36.2
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	50	30	10
RCR																				
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	34	34	34	34	34
2	86	79	73	68	77	71	66	62	57	53	50	44	41	39	31	30	29	29	29	29
3	78	69	63	57	70	63	57	52	50	46	43	39	36	34	28	26	25	25	25	25
4	72	62	54	48	64	56	49	44	45	40	37	35	31	29	25	23	22	22	22	22
5	66	55	47	41	59	50	43	38	40	35	32	31	28	25	23	21	19	19	19	19
6	61	49	41	36	54	45	38	33	36	31	27	28	25	22	21	18	17	17	17	17
7	56	44	37	31	50	40	34	29	33	28	24	26	22	20	19	17	15	15	15	15
8	52	40	33	28	47	37	30	26	30	25	21	23	20	17	17	15	13	13	13	13
9	48	37	29	25	43	33	27	23	27	22	19	21	18	16	16	14	12	12	12	12
10	45	33	27	22	41	31	24	20	25	20	17	20	16	14	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4623	4623	4623	4623
5°	4623	5223	4630	3992
10°	4598	6021	4594	3472
15°	4544	6777	4544	2907
20°	4486	7348	4462	2560
25°	4416	7379	4395	2312
30°	4342	6274	4308	2141
35°	4236	4734	4183	2014
40°	4119	3431	4039	1915
45°	3927	2607	3829	1828
50°	3697	2107	3596	1699
55°	3448	1745	3336	1527
60°	3198	1476	3056	1271
65°	2886	1202	2795	1009
70°	2599	974	2476	820
75°	2277	702	2118	602
80°	1880	466	1711	442
85°	1361	239	1128	239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 5787 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.2
10°-20°	165.8	3.7
20°-30°	259.7	5.7
30°-40°	288.3	6.4
40°-50°	255.5	5.6
50°-60°	199.1	4.4
60°-70°	130.2	2.9
70°-80°	63.9	1.4
80°-90°	17.6	0.4
90°-100°	33.2	0.7
100°-110°	218.8	4.8
110°-120°	417.8	9.2
120°-130°	530.4	11.7
130°-140°	567.4	12.5
140°-150°	530.5	11.7
150°-160°	427.8	9.4
160°-170°	275.9	6.1
170°-180°	95.1	2.1
0°-30°	480.3	10.6
0°-40°	768.6	17.0
0°-60°	1223.3	27.0
0°-90°	1435.1	31.7
90°-120°	669.8	14.8
90°-150°	2298.1	50.7
90°-180°	3097.0	68.3
0°-180°	4532.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	567	567	567	567	567	
5°	566	655	567	501	566	54
15°	542	868	542	372	542	153
25°	496	936	494	293	496	229
35°	433	576	428	245	433	271
45°	349	295	340	206	349	269
55°	251	176	243	154	251	225
65°	158	103	153	86	158	157
75°	79	48	74	41	79	84
85°	19	11	16	11	19	21
90°	2	22	2	22	2	3
95°	41	22	41	22	41	51
105°	225	213	225	213	225	236
115°	421	424	421	424	421	414
125°	591	596	591	596	591	528
135°	734	739	734	739	734	565
145°	846	850	846	850	846	529
155°	928	927	928	927	928	428
165°	978	974	978	974	978	276
175°	1001	995	1001	995	1001	95
180°	1001	1001	1001	1001	1001	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	567.8	572.8	575.6	577.8	582.4	584.2	587.9	588.8	592.5	592.0	590.6
5°	566.0	574.6	581.0	587.9	596.1	600.7	605.7	613.0	616.7	621.7	624.9
7.5°	562.8	574.6	585.1	595.7	608.9	616.2	622.6	634.0	643.6	651.8	661.0
10°	557.7	572.8	588.3	602.5	620.8	629.5	639.1	656.0	669.2	680.6	695.2
12.5°	550.0	571.0	588.3	607.5	630.8	642.7	655.5	675.6	691.1	709.9	728.1
15°	541.8	565.1	587.9	613.0	639.5	653.2	666.0	693.0	716.7	738.2	758.3
17.5°	532.6	558.2	583.3	611.2	643.2	660.1	675.1	707.6	733.6	761.5	781.6
20°	521.7	549.5	578.3	609.4	645.4	664.2	681.1	718.1	746.9	777.0	802.1
22.5°	509.8	539.9	571.4	605.2	642.7	663.3	682.9	722.6	756.0	783.9	817.7
25°	496.5	528.5	560.9	596.6	638.6	661.0	681.1	720.4	756.0	792.5	825.4
27.5°	482.8	515.7	549.5	587.0	629.9	651.8	674.7	712.6	754.2	793.9	827.2
30°	467.8	499.7	535.4	571.0	616.7	638.6	661.9	703.0	748.2	788.0	824.1
32.5°	451.3	484.2	518.0	555.0	599.8	623.5	645.0	691.6	737.7	777.0	810.8
35°	433.0	464.1	496.1	534.0	578.3	599.8	625.3	673.8	720.4	761.9	783.9
37.5°	413.4	443.1	472.8	510.2	552.7	578.8	603.9	652.8	702.1	730.0	741.4
40°	395.1	421.2	447.2	483.3	526.2	553.2	578.8	629.5	672.9	694.3	685.6
42.5°	371.8	398.8	422.1	455.4	498.8	523.9	550.0	602.5	637.7	646.4	624.9
45°	349.0	371.4	393.8	426.2	471.9	493.3	521.2	570.1	599.3	591.5	560.0
47.5°	326.6	344.9	365.9	397.4	438.5	464.1	490.1	532.6	553.2	542.2	498.4
50°	300.1	318.4	340.3	367.7	407.5	432.1	452.7	492.0	507.5	480.5	427.6
52.5°	275.0	291.0	309.7	335.3	373.2	395.6	418.0	451.8	456.8	425.7	370.0
55°	251.2	264.0	283.7	304.2	338.9	362.7	378.2	407.0	405.6	366.8	318.8
57.5°	226.6	238.4	251.7	273.2	306.0	323.9	340.8	365.9	352.6	319.8	272.2
60°	204.6	211.5	224.7	245.3	273.2	288.7	301.9	315.6	304.2	268.6	232.0
62.5°	180.4	188.2	197.8	214.2	238.9	253.5	263.1	269.0	257.2	229.8	196.4
65°	157.6	164.4	174.5	189.1	207.8	218.8	223.8	227.9	221.5	190.5	164.0
67.5°	137.0	141.6	150.7	160.3	180.4	183.2	190.0	191.9	179.1	155.3	134.3
70°	116.5	121.0	125.2	136.6	145.7	150.7	152.1	152.1	139.3	123.8	106.4
72.5°	97.3	100.0	104.1	111.9	116.9	120.6	122.4	120.1	108.3	95.5	82.7
75°	79.0	80.4	84.0	89.1	93.2	91.8	91.4	88.6	79.9	70.8	63.5
77.5°	60.8	61.7	65.8	67.1	67.1	68.5	66.7	64.0	56.6	49.8	46.6
80°	45.7	47.0	47.5	48.4	47.5	47.5	46.1	41.6	37.9	34.7	32.4
82.5°	31.5	32.4	32.9	31.5	32.4	31.1	28.8	25.6	23.3	22.8	21.9
85°	18.7	19.2	18.7	18.7	17.4	16.9	15.1	14.6	13.7	13.7	13.2
87.5°	9.1	8.7	7.8	6.9	6.9	6.4	6.9	5.9	6.9	6.4	5.9
90°	2.2	4.0	5.9	7.7	9.6	10.5	11.2	12.5	13.8	15.2	16.5
92.5°	11.2	10.9	10.5	10.2	9.9	9.7	10.4	11.7	13.0	14.4	15.7
95°	41.2	35.5	29.9	24.2	18.5	15.7	15.8	16.0	16.1	16.3	16.5
97.5°	78.6	82.3	85.9	89.6	93.3	95.1	86.4	68.9	51.4	34.0	16.5
100°	122.8	125.8	128.8	131.7	134.7	136.2	124.7	101.8	78.8	55.9	32.9
102.5°	172.2	174.2	176.2	178.2	180.2	181.2	182.2	184.2	186.1	188.1	190.1
105°	225.3	226.3	227.3	228.3	229.3	229.8	230.2	231.1	231.9	232.8	233.6
107.5°	274.0	274.5	275.0	275.5	276.0	276.2	276.8	278.0	279.1	280.3	281.5
110°	323.4	323.9	324.4	324.9	325.4	325.6	326.1	327.1	328.1	329.1	330.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	371.3	372.3	373.3	374.3	375.3	375.8	376.0	376.3	376.6	377.0	377.3
115°	420.7	421.2	421.7	422.2	422.7	422.9	422.8	422.7	422.5	422.4	422.2
117.5°	464.9	465.6	466.2	466.9	467.6	467.9	468.1	468.6	469.1	469.6	470.1
120°	509.8	510.5	511.1	511.8	512.5	512.8	512.7	512.5	512.4	512.2	512.0
122.5°	551.7	552.0	552.4	552.7	553.0	553.2	553.4	553.7	554.0	554.4	554.7
125°	591.4	592.1	592.7	593.4	594.1	594.4	594.2	593.9	593.6	593.2	592.9
127.5°	629.5	629.7	629.9	630.0	630.2	630.3	630.7	631.5	632.4	633.2	634.0
130°	666.2	666.4	666.6	666.7	666.9	667.0	667.2	667.7	668.2	668.7	669.2
132.5°	699.9	700.2	700.6	700.9	701.2	701.4	701.7	702.4	703.1	703.7	704.4
135°	733.6	733.4	733.2	733.1	732.9	732.8	733.1	733.8	734.5	735.1	735.8
137.5°	763.5	763.5	763.5	763.5	763.5	763.5	763.9	764.8	765.6	766.5	767.3
140°	792.7	793.0	793.4	793.7	794.0	794.2	794.4	794.7	795.0	795.4	795.7
142.5°	818.9	819.6	820.2	820.9	821.6	821.9	822.0	822.2	822.3	822.5	822.7
145°	845.9	846.4	846.9	847.4	847.9	848.1	848.1	848.1	848.1	848.1	848.1
147.5°	866.8	867.8	868.8	869.8	870.8	871.3	871.2	871.1	870.9	870.8	870.6
150°	890.0	890.7	891.3	892.0	892.7	893.0	892.9	892.8	892.6	892.5	892.3
152.5°	909.5	910.0	910.5	911.0	911.5	911.8	911.6	911.3	911.0	910.6	910.3
155°	927.5	927.7	927.8	928.0	928.1	928.2	928.0	927.5	927.0	926.5	926.0
157.5°	943.2	943.2	943.2	943.2	943.2	943.2	942.9	942.2	941.5	940.9	940.2
160°	956.7	956.2	955.7	955.2	954.7	954.4	954.3	954.2	954.0	953.9	953.7
162.5°	968.6	968.0	967.3	966.7	966.0	965.7	965.6	965.4	965.3	965.1	964.9
165°	978.4	977.6	976.7	975.9	975.0	974.6	974.6	974.6	974.6	974.6	974.6
167.5°	986.6	985.8	985.0	984.1	983.3	982.9	982.8	982.6	982.5	982.3	982.1
170°	993.3	992.3	991.3	990.4	989.4	988.9	989.0	989.1	989.3	989.4	989.6
172.5°	997.8	996.8	995.8	994.8	993.8	993.3	993.4	993.6	993.7	993.9	994.1
175°	1000.8	999.8	998.8	997.8	996.8	996.3	996.4	996.6	996.7	996.9	997.1
177.5°	1003.1	1001.9	1000.7	999.6	998.4	997.8	998.0	998.3	998.6	999.0	999.3
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	594.3	599.3	599.8	604.3	603.0	600.7	604.8	602.1	607.5	605.7	608.0
5°	629.0	635.9	641.8	645.4	651.8	650.5	657.3	655.0	660.1	655.0	661.4
7.5°	669.7	681.1	687.0	696.6	699.3	699.8	708.0	709.9	713.1	709.9	713.5
10°	709.4	723.1	736.8	744.6	749.6	756.4	763.8	767.0	769.2	766.0	768.3
12.5°	745.5	767.0	782.0	797.6	801.2	807.1	814.9	814.0	823.1	821.3	825.4
15°	778.8	802.6	820.9	833.2	843.2	848.3	862.9	863.8	863.3	867.9	865.2
17.5°	808.5	828.6	854.7	870.6	883.0	883.0	891.2	908.1	906.7	906.3	909.0
20°	832.7	855.6	879.8	906.7	916.8	918.6	930.0	938.7	940.1	940.1	940.1
22.5°	851.0	878.0	904.0	923.2	930.9	937.3	947.4	952.9	954.7	953.8	954.7
25°	860.1	885.7	912.2	929.6	934.1	937.8	938.7	941.9	941.4	936.0	939.2
27.5°	862.0	886.6	904.0	908.6	906.3	904.0	889.4	890.7	886.6	878.4	881.6
30°	853.7	867.0	866.5	852.4	848.3	838.7	825.4	805.8	789.8	782.9	785.2
32.5°	824.1	824.1	807.6	775.6	761.5	744.1	720.4	702.5	681.5	677.0	685.6
35°	782.9	759.6	729.5	687.5	666.0	653.2	612.1	599.3	581.5	576.5	580.6
37.5°	719.0	680.2	636.3	597.0	578.8	555.9	519.8	501.6	488.8	480.1	484.2
40°	647.3	600.2	554.5	506.1	486.0	467.3	440.3	423.9	403.3	404.3	405.6
42.5°	578.8	523.5	472.3	427.6	408.4	392.8	374.1	354.0	346.7	344.4	342.1
45°	506.1	447.2	399.2	365.9	348.5	333.9	316.6	305.1	296.5	294.6	296.9
47.5°	437.6	387.8	342.1	311.1	296.9	289.6	275.9	265.4	259.9	255.3	258.1
50°	375.5	328.9	292.3	266.3	256.3	251.2	238.4	233.0	227.5	226.1	225.7
52.5°	324.3	284.6	253.1	232.0	224.3	221.5	212.0	204.2	199.6	201.0	201.9
55°	277.7	243.9	219.3	202.4	196.0	192.8	185.9	180.4	177.2	175.9	176.8
57.5°	236.6	207.4	189.6	175.9	170.8	169.5	162.2	160.3	158.0	156.7	156.7
60°	199.2	178.6	162.2	154.4	148.9	147.5	142.1	139.8	139.3	138.0	137.0
62.5°	167.6	150.7	139.3	131.1	128.8	128.4	124.7	122.0	120.6	119.7	119.7
65°	140.2	127.9	118.3	112.4	110.5	109.6	105.5	104.6	103.7	102.8	102.3
67.5°	116.9	106.0	99.1	95.0	92.7	93.2	90.9	89.1	89.1	88.6	88.2
70°	94.6	87.7	81.8	79.5	78.6	77.7	76.7	75.4	74.9	74.9	74.9
72.5°	74.5	69.9	66.7	65.3	64.4	63.5	62.6	62.6	62.6	62.1	62.1
75°	57.1	55.3	53.0	51.6	51.6	52.5	51.2	49.8	48.4	47.5	48.0
77.5°	42.9	42.0	40.7	38.4	38.8	37.9	37.9	37.0	37.5	37.5	36.5
80°	31.5	30.1	29.7	28.3	28.8	28.3	27.9	27.9	27.0	27.0	27.0
82.5°	21.9	20.6	20.6	20.1	19.6	19.6	19.2	19.2	19.6	18.7	18.7
85°	13.2	12.8	12.8	11.9	11.9	11.9	11.9	12.3	11.9	11.4	11.4
87.5°	5.9	6.4	5.9	5.5	5.5	5.5	5.0	5.0	4.6	5.0	5.0
90°	17.5	18.5	19.5	20.5	21.0	21.2	21.5	21.8	22.2	22.5	22.2
92.5°	16.7	17.7	18.7	19.7	20.2	20.2	20.2	20.2	20.2	20.2	20.2
95°	17.5	18.5	19.5	20.5	21.0	21.1	21.2	21.4	21.5	21.7	21.5
97.5°	17.3	18.1	19.0	19.8	20.2	20.3	20.5	20.6	20.8	21.0	20.8
100°	30.1	27.3	24.4	21.6	20.2	20.3	20.5	20.6	20.8	21.0	20.8
102.5°	152.7	115.3	77.8	40.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7
105°	235.1	236.6	238.1	239.6	240.3	237.3	231.3	225.3	219.3	213.3	219.3
107.5°	282.3	283.1	284.0	284.8	285.2	285.5	286.2	286.9	287.5	288.2	287.5
110°	330.4	330.8	331.1	331.4	331.6	331.9	332.4	332.9	333.4	333.9	333.4

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	377.1	376.9	376.8	376.6	376.5	376.8	377.5	378.2	378.8	379.5	378.8
115°	422.5	422.9	423.2	423.5	423.7	423.7	423.7	423.7	423.7	423.7	423.7
117.5°	469.9	469.8	469.6	469.5	469.4	469.4	469.4	469.4	469.4	469.4	469.4
120°	512.3	512.7	513.0	513.3	513.5	513.3	513.0	512.7	512.3	512.0	512.3
122.5°	554.9	555.0	555.2	555.3	555.4	555.2	554.9	554.6	554.2	553.9	554.2
125°	593.4	593.9	594.4	594.9	595.1	595.2	595.4	595.5	595.7	595.9	595.7
127.5°	633.8	633.7	633.5	633.4	633.3	633.2	633.0	632.9	632.7	632.5	632.7
130°	669.4	669.6	669.7	669.9	670.0	670.0	670.0	670.0	670.0	670.0	670.0
132.5°	704.6	704.8	704.9	705.1	705.2	705.1	704.9	704.8	704.6	704.4	704.6
135°	736.1	736.5	736.8	737.1	737.3	737.5	737.8	738.1	738.5	738.8	738.5
137.5°	767.6	768.0	768.3	768.6	768.8	768.7	768.5	768.4	768.2	768.0	768.2
140°	796.2	796.7	797.2	797.7	798.0	798.1	798.2	798.4	798.5	798.7	798.5
142.5°	823.0	823.4	823.7	824.0	824.2	824.2	824.2	824.2	824.2	824.2	824.2
145°	848.3	848.5	848.6	848.8	848.9	849.1	849.4	849.7	850.1	850.4	850.1
147.5°	870.8	870.9	871.1	871.2	871.3	871.4	871.6	871.7	871.9	872.1	871.9
150°	892.3	892.3	892.3	892.3	892.3	892.4	892.5	892.7	892.8	893.0	892.8
152.5°	910.6	911.0	911.3	911.6	911.8	911.7	911.5	911.4	911.2	911.0	911.2
155°	926.7	927.3	928.0	928.7	929.0	928.7	928.2	927.7	927.2	926.7	927.2
157.5°	941.0	941.8	942.7	943.5	943.9	943.5	942.7	941.8	941.0	940.2	941.0
160°	954.7	955.7	956.7	957.7	958.2	957.7	956.7	955.7	954.7	953.7	954.7
162.5°	965.9	966.9	967.9	968.9	969.4	968.8	967.7	966.5	965.4	964.2	965.4
165°	975.9	977.3	978.6	979.9	980.6	979.9	978.4	976.9	975.4	973.9	975.4
167.5°	983.6	985.1	986.6	988.1	988.9	988.1	986.4	984.7	983.1	981.4	983.1
170°	990.9	992.3	993.6	994.9	995.6	994.8	993.1	991.4	989.8	988.1	989.8
172.5°	995.4	996.8	998.1	999.4	1000.1	999.2	997.4	995.5	993.7	991.9	993.7
175°	998.6	1000.1	1001.6	1003.1	1003.8	1002.8	1000.8	998.8	996.8	994.8	996.8
177.5°	1000.6	1002.0	1003.3	1004.6	1005.3	1004.3	1002.3	1000.3	998.3	996.3	998.3
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	609.4	606.2	605.7	605.7	600.7	603.4	597.9	592.0	589.3	589.3	584.2
5°	660.1	656.9	653.7	648.6	648.6	645.9	637.2	628.5	622.1	616.7	610.7
7.5°	712.1	708.9	699.8	694.8	697.5	692.0	680.6	666.0	655.0	646.4	634.0
10°	768.8	760.1	755.5	752.8	743.2	737.3	724.0	702.5	688.8	677.4	661.4
12.5°	814.9	817.7	800.3	801.7	792.1	783.9	763.3	742.7	722.2	706.2	682.4
15°	864.7	856.5	846.0	837.8	834.6	824.5	807.1	779.7	757.4	732.2	705.3
17.5°	904.0	897.6	887.5	879.8	872.9	848.7	834.1	809.9	779.3	754.6	721.7
20°	937.3	931.4	917.2	912.2	899.9	882.5	861.5	824.1	796.6	769.7	737.7
22.5°	951.5	945.6	933.2	926.8	919.1	902.2	882.1	846.4	812.6	778.8	745.0
25°	939.6	939.6	933.7	931.4	924.5	909.5	888.9	858.8	822.7	786.1	745.9
27.5°	882.1	893.5	897.6	899.9	899.9	900.3	886.2	856.9	821.8	786.1	744.1
30°	798.9	818.1	835.0	840.0	848.7	858.3	864.2	850.1	818.6	781.1	739.1
32.5°	694.3	719.0	750.5	758.3	770.1	798.9	814.9	820.9	803.5	770.6	725.8
35°	590.2	621.2	640.4	664.2	675.1	717.6	753.2	774.7	770.6	751.0	710.3
37.5°	499.3	517.1	540.4	565.5	587.4	628.1	672.4	714.0	730.9	721.3	690.7
40°	412.0	433.0	460.9	481.5	496.5	537.2	592.0	637.2	674.2	680.2	661.4
42.5°	350.4	371.4	388.3	410.7	422.5	461.8	510.2	566.9	610.7	634.0	625.8
45°	302.9	315.6	329.3	342.1	356.8	391.5	436.2	498.4	547.7	580.6	583.8
47.5°	261.3	272.7	284.6	296.5	304.7	331.6	372.7	423.4	477.3	522.6	540.4
50°	232.0	237.5	246.2	253.1	262.7	286.0	318.8	362.7	419.8	468.7	492.0
52.5°	203.3	210.1	217.0	222.9	229.3	245.8	275.9	313.8	363.1	413.4	442.2
55°	179.1	184.5	190.9	195.0	198.7	213.3	236.2	265.4	307.9	355.4	391.0
57.5°	159.4	161.7	167.2	169.5	173.6	185.5	201.9	227.9	262.2	308.3	337.6
60°	138.0	142.5	146.6	148.5	151.7	159.9	171.3	195.5	225.2	259.0	292.3
62.5°	120.6	122.4	125.6	127.9	130.2	138.9	148.5	166.7	189.1	217.4	248.0
65°	104.6	105.5	107.3	110.5	111.9	118.3	123.8	137.0	158.0	179.5	210.1
67.5°	88.2	89.1	91.4	93.2	94.6	98.7	104.6	114.2	125.6	149.4	166.3
70°	75.4	75.4	76.7	77.7	79.0	80.9	84.0	91.4	101.9	116.9	132.5
72.5°	63.0	63.0	63.0	64.4	64.4	65.8	67.6	72.6	79.9	91.8	101.9
75°	48.9	49.3	50.2	50.2	50.7	52.5	53.9	55.3	58.9	66.7	75.8
77.5°	37.0	37.9	38.4	37.5	38.4	38.4	40.2	42.0	43.9	46.1	53.0
80°	27.4	27.9	27.0	27.4	27.4	28.3	29.2	28.8	29.7	32.4	34.3
82.5°	18.3	18.7	18.7	18.7	18.7	20.1	20.1	19.6	20.1	20.6	21.0
85°	11.4	11.0	11.0	11.4	11.0	11.0	11.4	11.9	11.4	11.9	12.3
87.5°	5.0	5.0	5.0	5.0	4.6	4.6	5.0	4.6	5.0	4.6	4.1
90°	21.8	21.5	21.2	21.0	20.5	19.5	18.5	17.5	16.5	15.2	13.8
92.5°	20.2	20.2	20.2	20.2	19.7	18.7	17.7	16.7	15.7	14.4	13.0
95°	21.4	21.2	21.1	21.0	20.5	19.5	18.5	17.5	16.5	16.3	16.1
97.5°	20.6	20.5	20.3	20.2	19.8	19.0	18.1	17.3	16.5	34.0	51.4
100°	20.6	20.5	20.3	20.2	21.6	24.4	27.3	30.1	32.9	55.9	78.8
102.5°	21.7	21.7	21.7	21.7	40.4	77.8	115.3	152.7	190.1	188.1	186.1
105°	225.3	231.3	237.3	240.3	239.6	238.1	236.6	235.1	233.6	232.8	231.9
107.5°	286.9	286.2	285.5	285.2	284.8	284.0	283.1	282.3	281.5	280.3	279.1
110°	332.9	332.4	331.9	331.6	331.4	331.1	330.8	330.4	330.1	329.1	328.1

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	378.2	377.5	376.8	376.5	376.6	376.8	376.9	377.1	377.3	377.0	376.6
115°	423.7	423.7	423.7	423.7	423.5	423.2	422.9	422.5	422.2	422.4	422.5
117.5°	469.4	469.4	469.4	469.4	469.5	469.6	469.8	469.9	470.1	469.6	469.1
120°	512.7	513.0	513.3	513.5	513.3	513.0	512.7	512.3	512.0	512.2	512.4
122.5°	554.6	554.9	555.2	555.4	555.3	555.2	555.0	554.9	554.7	554.4	554.0
125°	595.5	595.4	595.2	595.1	594.9	594.4	593.9	593.4	592.9	593.2	593.6
127.5°	632.9	633.0	633.2	633.3	633.4	633.5	633.7	633.8	634.0	633.2	632.4
130°	670.0	670.0	670.0	670.0	669.9	669.7	669.6	669.4	669.2	668.7	668.2
132.5°	704.8	704.9	705.1	705.2	705.1	704.9	704.8	704.6	704.4	703.7	703.1
135°	738.1	737.8	737.5	737.3	737.1	736.8	736.5	736.1	735.8	735.1	734.5
137.5°	768.4	768.5	768.7	768.8	768.6	768.3	768.0	767.6	767.3	766.5	765.6
140°	798.4	798.2	798.1	798.0	797.7	797.2	796.7	796.2	795.7	795.4	795.0
142.5°	824.2	824.2	824.2	824.2	824.0	823.7	823.4	823.0	822.7	822.5	822.3
145°	849.7	849.4	849.1	848.9	848.8	848.6	848.5	848.3	848.1	848.1	848.1
147.5°	871.7	871.6	871.4	871.3	871.2	871.1	870.9	870.8	870.6	870.8	870.9
150°	892.7	892.5	892.4	892.3	892.3	892.3	892.3	892.3	892.3	892.5	892.6
152.5°	911.4	911.5	911.7	911.8	911.6	911.3	911.0	910.6	910.3	910.6	911.0
155°	927.7	928.2	928.7	929.0	928.7	928.0	927.3	926.7	926.0	926.5	927.0
157.5°	941.8	942.7	943.5	943.9	943.5	942.7	941.8	941.0	940.2	940.9	941.5
160°	955.7	956.7	957.7	958.2	957.7	956.7	955.7	954.7	953.7	953.9	954.0
162.5°	966.5	967.7	968.8	969.4	968.9	967.9	966.9	965.9	964.9	965.1	965.3
165°	976.9	978.4	979.9	980.6	979.9	978.6	977.3	975.9	974.6	974.6	974.6
167.5°	984.7	986.4	988.1	988.9	988.1	986.6	985.1	983.6	982.1	982.3	982.5
170°	991.4	993.1	994.8	995.6	994.9	993.6	992.3	990.9	989.6	989.4	989.3
172.5°	995.5	997.4	999.2	1000.1	999.4	998.1	996.8	995.4	994.1	993.9	993.7
175°	998.8	1000.8	1002.8	1003.8	1003.1	1001.6	1000.1	998.6	997.1	996.9	996.7
177.5°	1000.3	1002.3	1004.3	1005.3	1004.6	1003.3	1002.0	1000.6	999.3	999.0	998.6
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	581.5	579.2	577.8	577.4	573.3	571.0	569.6	568.7	567.3	563.7	560.5
5°	603.4	597.0	593.8	590.2	583.8	576.5	570.5	566.9	562.3	555.0	548.1
7.5°	624.0	614.4	608.0	603.0	592.0	580.1	570.5	562.8	554.1	544.0	534.4
10°	645.4	629.9	621.7	613.9	597.9	582.4	568.7	557.3	545.0	531.7	521.2
12.5°	662.3	641.8	632.7	621.7	602.1	583.8	566.4	550.9	534.9	520.7	505.7
15°	682.0	656.4	645.9	631.7	604.8	581.0	558.7	541.8	525.3	504.3	488.3
17.5°	693.4	663.7	648.6	636.3	607.1	578.3	552.3	531.2	512.1	491.1	474.1
20°	704.8	671.0	654.1	636.8	602.1	571.4	544.0	518.9	498.8	476.0	458.6
22.5°	708.5	669.2	651.4	635.4	598.9	564.6	533.1	507.5	484.2	461.4	441.7
25°	708.5	668.7	647.7	627.2	588.8	553.6	522.1	494.2	468.2	445.4	425.7
27.5°	701.2	659.6	637.7	619.0	579.2	541.3	508.9	478.3	453.1	430.3	407.9
30°	692.0	646.4	624.4	602.1	563.7	527.6	492.4	464.1	437.6	411.6	391.5
32.5°	680.6	632.2	608.0	585.1	544.5	507.0	474.6	446.7	421.6	394.7	372.3
35°	664.2	611.2	584.2	564.1	524.9	486.0	455.0	427.6	403.3	375.5	351.3
37.5°	643.2	592.0	564.6	539.9	499.3	463.6	434.4	407.9	384.2	358.6	331.6
40°	618.5	565.1	541.3	515.3	472.3	438.5	411.1	387.4	363.6	339.4	313.4
42.5°	590.6	537.6	511.1	486.0	444.9	411.6	386.0	364.5	342.6	320.2	292.3
45°	557.3	507.5	481.9	458.2	418.4	384.2	360.9	340.3	321.6	298.7	274.1
47.5°	519.8	476.4	450.4	424.8	386.0	356.3	333.5	316.1	300.1	277.3	254.9
50°	483.3	440.3	419.3	393.3	357.7	329.8	306.5	291.9	279.6	257.2	237.1
52.5°	437.1	404.7	384.6	362.2	328.0	299.7	281.4	268.6	254.0	236.6	218.8
55°	396.5	366.3	350.4	329.3	295.5	270.4	254.9	243.0	231.6	216.1	201.9
57.5°	350.4	331.6	315.6	297.4	264.0	242.6	228.9	218.8	208.3	195.5	184.1
60°	301.9	293.3	277.7	263.1	234.8	216.1	204.6	195.5	185.5	175.0	165.4
62.5°	259.0	254.0	244.8	233.4	206.9	190.9	179.5	172.7	165.4	155.8	146.6
65°	218.3	216.1	207.4	199.2	180.9	166.7	156.7	152.6	144.3	137.0	128.8
67.5°	182.3	179.5	174.5	170.8	155.3	142.1	137.0	131.6	124.7	119.2	112.4
70°	145.7	145.3	142.1	137.5	129.3	119.7	114.7	111.0	104.1	100.0	95.0
72.5°	113.3	115.6	112.8	111.0	105.5	98.7	94.1	91.8	86.3	83.1	79.5
75°	84.5	86.3	87.7	84.5	83.1	79.9	75.8	73.5	70.8	66.2	64.9
77.5°	57.6	61.7	61.7	62.6	63.0	61.2	58.0	56.2	53.0	52.1	50.2
80°	37.9	41.6	42.0	42.9	44.3	44.3	42.0	41.6	38.4	37.9	36.5
82.5°	21.9	25.1	27.0	28.3	27.9	29.7	27.9	27.4	25.6	25.6	24.7
85°	11.9	12.3	13.2	14.2	15.1	16.0	16.0	15.5	15.1	14.6	13.7
87.5°	4.6	4.6	5.0	4.6	5.0	5.9	6.4	6.4	5.9	5.5	4.6
90°	12.5	11.2	10.5	9.6	7.7	5.9	4.0	2.2	4.0	5.9	7.7
92.5°	11.7	10.4	9.7	9.9	10.2	10.5	10.9	11.2	10.9	10.5	10.2
95°	16.0	15.8	15.7	18.5	24.2	29.9	35.5	41.2	35.5	29.9	24.2
97.5°	68.9	86.4	95.1	93.3	89.6	85.9	82.3	78.6	82.3	85.9	89.6
100°	101.8	124.7	136.2	134.7	131.7	128.8	125.8	122.8	125.8	128.8	131.7
102.5°	184.2	182.2	181.2	180.2	178.2	176.2	174.2	172.2	174.2	176.2	178.2
105°	231.1	230.2	229.8	229.3	228.3	227.3	226.3	225.3	226.3	227.3	228.3
107.5°	278.0	276.8	276.2	276.0	275.5	275.0	274.5	274.0	274.5	275.0	275.5
110°	327.1	326.1	325.6	325.4	324.9	324.4	323.9	323.4	323.9	324.4	324.9

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	376.3	376.0	375.8	375.3	374.3	373.3	372.3	371.3	372.3	373.3	374.3
115°	422.7	422.8	422.9	422.7	422.2	421.7	421.2	420.7	421.2	421.7	422.2
117.5°	468.6	468.1	467.9	467.6	466.9	466.2	465.6	464.9	465.6	466.2	466.9
120°	512.5	512.7	512.8	512.5	511.8	511.1	510.5	509.8	510.5	511.1	511.8
122.5°	553.7	553.4	553.2	553.0	552.7	552.4	552.0	551.7	552.0	552.4	552.7
125°	593.9	594.2	594.4	594.1	593.4	592.7	592.1	591.4	592.1	592.7	593.4
127.5°	631.5	630.7	630.3	630.2	630.0	629.9	629.7	629.5	629.7	629.9	630.0
130°	667.7	667.2	667.0	666.9	666.7	666.6	666.4	666.2	666.4	666.6	666.7
132.5°	702.4	701.7	701.4	701.2	700.9	700.6	700.2	699.9	700.2	700.6	700.9
135°	733.8	733.1	732.8	732.9	733.1	733.2	733.4	733.6	733.4	733.2	733.1
137.5°	764.8	763.9	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5
140°	794.7	794.4	794.2	794.0	793.7	793.4	793.0	792.7	793.0	793.4	793.7
142.5°	822.2	822.0	821.9	821.6	820.9	820.2	819.6	818.9	819.6	820.2	820.9
145°	848.1	848.1	848.1	847.9	847.4	846.9	846.4	845.9	846.4	846.9	847.4
147.5°	871.1	871.2	871.3	870.8	869.8	868.8	867.8	866.8	867.8	868.8	869.8
150°	892.8	892.9	893.0	892.7	892.0	891.3	890.7	890.0	890.7	891.3	892.0
152.5°	911.3	911.6	911.8	911.5	911.0	910.5	910.0	909.5	910.0	910.5	911.0
155°	927.5	928.0	928.2	928.1	928.0	927.8	927.7	927.5	927.7	927.8	928.0
157.5°	942.2	942.9	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2
160°	954.2	954.3	954.4	954.7	955.2	955.7	956.2	956.7	956.2	955.7	955.2
162.5°	965.4	965.6	965.7	966.0	966.7	967.3	968.0	968.6	968.0	967.3	966.7
165°	974.6	974.6	974.6	975.0	975.9	976.7	977.6	978.4	977.6	976.7	975.9
167.5°	982.6	982.8	982.9	983.3	984.1	985.0	985.8	986.6	985.8	985.0	984.1
170°	989.1	989.0	988.9	989.4	990.4	991.3	992.3	993.3	992.3	991.3	990.4
172.5°	993.6	993.4	993.3	993.8	994.8	995.8	996.8	997.8	996.8	995.8	994.8
175°	996.6	996.4	996.3	996.8	997.8	998.8	999.8	1000.8	999.8	998.8	997.8
177.5°	998.3	998.0	997.8	998.4	999.6	1000.7	1001.9	1003.1	1001.9	1000.7	999.6
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	557.7	556.8	555.9	552.3	549.1	543.6	539.0	537.2	536.7	537.2	535.8
5°	541.8	541.3	538.1	531.7	525.8	519.4	514.8	510.2	507.5	507.5	504.3
7.5°	526.7	523.5	520.7	512.5	505.7	497.0	490.1	486.0	483.7	478.7	478.7
10°	510.7	506.1	502.5	494.7	484.7	476.0	467.3	462.3	458.2	454.5	453.1
12.5°	494.7	491.1	484.2	476.0	465.9	455.0	445.8	442.2	432.6	424.8	425.3
15°	479.6	471.4	468.2	456.3	444.5	434.0	420.7	410.2	402.4	397.4	391.0
17.5°	462.7	454.5	448.6	438.5	423.0	406.5	393.8	379.6	371.8	363.1	359.0
20°	444.0	437.1	432.6	416.6	397.9	378.2	364.1	355.4	346.7	340.3	336.7
22.5°	428.0	419.3	413.9	392.4	371.8	352.2	341.2	333.9	326.6	321.1	319.3
25°	407.5	402.4	389.2	370.5	345.3	332.1	322.5	312.9	308.8	305.1	301.0
27.5°	390.6	378.2	369.1	344.4	328.9	313.8	304.2	296.9	291.9	288.2	285.0
30°	369.5	358.1	345.3	324.8	310.6	296.5	287.8	281.8	276.4	274.1	271.3
32.5°	347.6	337.1	324.8	308.3	291.0	280.0	273.2	266.8	263.1	260.8	257.6
35°	328.0	314.7	306.5	291.0	276.8	264.5	258.1	252.6	248.5	247.6	247.1
37.5°	307.0	296.9	289.1	273.2	261.3	250.8	244.8	238.9	236.6	236.2	234.3
40°	288.7	280.0	272.7	257.6	244.8	235.2	230.7	227.0	224.7	224.7	224.3
42.5°	272.7	263.6	256.3	242.6	231.1	222.5	217.4	213.8	212.9	213.3	212.9
45°	254.9	247.1	239.8	225.7	216.1	209.7	204.2	202.4	201.0	201.4	201.9
47.5°	238.0	231.6	224.3	212.9	201.9	195.0	191.9	190.0	190.0	190.0	190.9
50°	222.9	215.6	209.2	197.3	187.3	181.8	179.1	176.8	177.2	177.7	178.1
52.5°	205.1	198.7	194.1	182.3	175.0	168.1	164.9	165.4	164.9	164.9	165.8
55°	189.6	183.2	178.6	167.6	160.3	155.8	153.0	151.7	152.1	151.2	153.0
57.5°	172.2	166.7	163.5	153.0	146.6	142.5	140.2	138.0	138.9	138.4	138.0
60°	157.1	150.7	145.7	138.4	132.9	127.9	126.5	124.2	125.2	124.2	123.8
62.5°	139.8	134.8	131.1	123.8	119.2	115.1	111.9	110.5	110.1	108.7	107.3
65°	122.4	119.7	116.0	108.7	104.1	101.0	99.1	97.8	97.3	93.6	89.5
67.5°	106.4	104.6	101.0	95.5	91.4	88.2	85.4	83.1	80.4	77.7	75.4
70°	91.4	88.6	86.3	81.3	77.7	74.5	71.7	69.0	67.6	64.9	64.0
72.5°	76.7	74.0	71.7	67.1	64.0	60.8	59.8	56.6	55.3	54.8	54.8
75°	61.7	59.4	58.0	53.9	51.2	48.9	47.5	46.6	45.7	44.8	43.4
77.5°	47.0	45.7	44.8	42.0	39.7	38.4	37.9	34.7	33.8	32.9	32.0
80°	34.3	33.8	32.9	30.6	29.7	26.5	26.5	25.6	25.1	25.1	25.1
82.5°	23.3	22.4	21.9	19.6	19.2	18.7	18.3	17.8	18.3	17.8	18.3
85°	12.3	11.9	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.0	11.4
87.5°	4.6	4.6	4.6	4.6	4.1	4.6	4.6	4.1	4.6	4.6	4.6
90°	9.6	10.5	11.2	12.5	13.8	15.2	16.5	17.5	18.5	19.5	20.5
92.5°	9.9	9.7	10.4	11.7	13.0	14.4	15.7	16.7	17.7	18.7	19.7
95°	18.5	15.7	15.8	16.0	16.1	16.3	16.5	17.5	18.5	19.5	20.5
97.5°	93.3	95.1	86.4	68.9	51.4	34.0	16.5	17.3	18.1	19.0	19.8
100°	134.7	136.2	124.7	101.8	78.8	55.9	32.9	30.1	27.3	24.4	21.6
102.5°	180.2	181.2	182.2	184.2	186.1	188.1	190.1	152.7	115.3	77.8	40.4
105°	229.3	229.8	230.2	231.1	231.9	232.8	233.6	235.1	236.6	238.1	239.6
107.5°	276.0	276.2	276.8	278.0	279.1	280.3	281.5	282.3	283.1	284.0	284.8
110°	325.4	325.6	326.1	327.1	328.1	329.1	330.1	330.4	330.8	331.1	331.4

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	375.3	375.8	376.0	376.3	376.6	377.0	377.3	377.1	376.9	376.8	376.6
115°	422.7	422.9	422.8	422.7	422.5	422.4	422.2	422.5	422.9	423.2	423.5
117.5°	467.6	467.9	468.1	468.6	469.1	469.6	470.1	469.9	469.8	469.6	469.5
120°	512.5	512.8	512.7	512.5	512.4	512.2	512.0	512.3	512.7	513.0	513.3
122.5°	553.0	553.2	553.4	553.7	554.0	554.4	554.7	554.9	555.0	555.2	555.3
125°	594.1	594.4	594.2	593.9	593.6	593.2	592.9	593.4	593.9	594.4	594.9
127.5°	630.2	630.3	630.7	631.5	632.4	633.2	634.0	633.8	633.7	633.5	633.4
130°	666.9	667.0	667.2	667.7	668.2	668.7	669.2	669.4	669.6	669.7	669.9
132.5°	701.2	701.4	701.7	702.4	703.1	703.7	704.4	704.6	704.8	704.9	705.1
135°	732.9	732.8	733.1	733.8	734.5	735.1	735.8	736.1	736.5	736.8	737.1
137.5°	763.5	763.5	763.9	764.8	765.6	766.5	767.3	767.6	768.0	768.3	768.6
140°	794.0	794.2	794.4	794.7	795.0	795.4	795.7	796.2	796.7	797.2	797.7
142.5°	821.6	821.9	822.0	822.2	822.3	822.5	822.7	823.0	823.4	823.7	824.0
145°	847.9	848.1	848.1	848.1	848.1	848.1	848.1	848.3	848.5	848.6	848.8
147.5°	870.8	871.3	871.2	871.1	870.9	870.8	870.6	870.8	870.9	871.1	871.2
150°	892.7	893.0	892.9	892.8	892.6	892.5	892.3	892.3	892.3	892.3	892.3
152.5°	911.5	911.8	911.6	911.3	911.0	910.6	910.3	910.6	911.0	911.3	911.6
155°	928.1	928.2	928.0	927.5	927.0	926.5	926.0	926.7	927.3	928.0	928.7
157.5°	943.2	943.2	942.9	942.2	941.5	940.9	940.2	941.0	941.8	942.7	943.5
160°	954.7	954.4	954.3	954.2	954.0	953.9	953.7	954.7	955.7	956.7	957.7
162.5°	966.0	965.7	965.6	965.4	965.3	965.1	964.9	965.9	966.9	967.9	968.9
165°	975.0	974.6	974.6	974.6	974.6	974.6	974.6	975.9	977.3	978.6	979.9
167.5°	983.3	982.9	982.8	982.6	982.5	982.3	982.1	983.6	985.1	986.6	988.1
170°	989.4	988.9	989.0	989.1	989.3	989.4	989.6	990.9	992.3	993.6	994.9
172.5°	993.8	993.3	993.4	993.6	993.7	993.9	994.1	995.4	996.8	998.1	999.4
175°	996.8	996.3	996.4	996.6	996.7	996.9	997.1	998.6	1000.1	1001.6	1003.1
177.5°	998.4	997.8	998.0	998.3	998.6	999.0	999.3	1000.6	1002.0	1003.3	1004.6
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	535.8	537.6	535.4	536.7	533.5	533.1	533.5	533.5	534.0	534.4	534.9
5°	505.7	505.2	502.5	500.6	499.3	500.6	501.6	502.5	501.6	502.5	502.9
7.5°	477.3	476.0	474.6	471.4	472.3	471.4	474.1	472.8	472.8	475.1	476.9
10°	452.2	449.5	448.6	444.9	442.2	441.7	444.9	446.3	447.7	448.6	452.2
12.5°	419.8	415.7	412.5	413.9	406.1	409.3	410.2	408.4	413.9	420.2	416.6
15°	385.1	385.5	379.1	376.9	370.5	372.3	372.7	377.3	381.9	381.4	386.9
17.5°	359.5	356.8	351.3	350.8	348.1	349.4	349.0	352.6	351.3	353.6	358.1
20°	335.7	333.9	329.3	327.5	328.4	327.5	328.0	328.4	329.8	334.8	333.9
22.5°	317.0	314.7	314.7	312.4	309.7	308.8	311.1	312.4	314.3	315.2	317.5
25°	300.6	298.7	296.5	295.1	292.8	293.3	294.6	296.5	297.8	299.7	301.5
27.5°	283.7	283.7	281.4	280.9	280.0	279.6	281.4	282.3	282.3	283.7	285.5
30°	270.4	270.4	268.1	267.7	267.2	267.2	268.6	269.0	269.5	270.9	271.8
32.5°	257.6	257.2	256.3	256.7	256.3	256.7	256.7	257.2	258.1	258.5	260.4
35°	245.8	246.2	245.3	245.3	244.8	245.3	246.2	246.7	247.1	248.0	248.0
37.5°	234.3	235.2	234.8	236.2	236.2	236.2	236.2	237.1	237.1	237.1	236.6
40°	224.3	224.3	223.8	224.7	225.7	225.7	226.1	226.1	226.6	226.6	226.1
42.5°	212.9	213.8	215.1	215.6	216.5	216.1	217.4	217.0	217.4	216.5	215.6
45°	202.4	202.4	204.2	206.0	206.5	206.5	206.5	207.4	206.5	205.1	204.6
47.5°	190.9	191.9	192.8	195.0	195.5	195.5	195.5	195.5	194.6	194.6	194.6
50°	179.5	180.0	180.4	181.3	182.7	182.3	182.3	182.3	184.1	182.3	182.7
52.5°	165.8	166.3	166.7	168.6	168.1	168.1	168.6	168.6	169.9	169.5	168.6
55°	152.1	152.1	153.0	153.0	153.0	153.9	154.4	155.3	154.9	155.3	155.8
57.5°	138.4	137.5	137.0	137.0	138.4	138.0	138.4	138.4	140.2	141.1	141.6
60°	122.4	122.4	122.0	119.2	119.2	118.8	120.1	121.0	122.0	126.1	125.6
62.5°	106.0	104.1	102.3	102.8	100.0	101.4	100.5	101.4	104.1	107.3	107.8
65°	89.5	88.2	86.3	85.9	85.0	86.3	85.9	86.3	87.7	89.5	91.8
67.5°	74.9	74.5	73.5	73.1	73.1	73.1	74.0	74.0	74.5	75.8	77.2
70°	64.0	63.5	64.0	63.0	63.5	63.0	63.5	64.0	64.4	64.9	66.2
72.5°	53.9	53.9	53.9	53.0	53.9	53.4	53.4	53.9	54.4	54.8	55.7
75°	42.9	42.0	41.1	40.2	39.7	40.7	41.1	40.7	42.0	43.9	43.9
77.5°	32.4	32.0	32.0	32.0	32.4	32.0	32.9	32.4	32.9	32.9	33.8
80°	25.1	24.7	25.1	25.1	24.7	25.6	25.1	25.1	25.6	26.0	25.6
82.5°	18.3	18.7	18.3	18.3	18.3	19.2	18.3	18.3	18.3	18.7	18.7
85°	11.4	11.4	11.4	11.4	11.9	11.4	11.9	11.4	12.3	11.9	11.9
87.5°	4.1	4.6	5.0	5.0	5.0	5.0	4.6	5.0	5.5	5.0	5.5
90°	21.0	21.2	21.5	21.8	22.2	22.5	22.2	21.8	21.5	21.2	21.0
92.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
95°	21.0	21.1	21.2	21.4	21.5	21.7	21.5	21.4	21.2	21.1	21.0
97.5°	20.2	20.3	20.5	20.6	20.8	21.0	20.8	20.6	20.5	20.3	20.2
100°	20.2	20.3	20.5	20.6	20.8	21.0	20.8	20.6	20.5	20.3	20.2
102.5°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
105°	240.3	237.3	231.3	225.3	219.3	213.3	219.3	225.3	231.3	237.3	240.3
107.5°	285.2	285.5	286.2	286.9	287.5	288.2	287.5	286.9	286.2	285.5	285.2
110°	331.6	331.9	332.4	332.9	333.4	333.9	333.4	332.9	332.4	331.9	331.6

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	376.5	376.8	377.5	378.2	378.8	379.5	378.8	378.2	377.5	376.8	376.5
115°	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7
117.5°	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4
120°	513.5	513.3	513.0	512.7	512.3	512.0	512.3	512.7	513.0	513.3	513.5
122.5°	555.4	555.2	554.9	554.6	554.2	553.9	554.2	554.6	554.9	555.2	555.4
125°	595.1	595.2	595.4	595.5	595.7	595.9	595.7	595.5	595.4	595.2	595.1
127.5°	633.3	633.2	633.0	632.9	632.7	632.5	632.7	632.9	633.0	633.2	633.3
130°	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0
132.5°	705.2	705.1	704.9	704.8	704.6	704.4	704.6	704.8	704.9	705.1	705.2
135°	737.3	737.5	737.8	738.1	738.5	738.8	738.5	738.1	737.8	737.5	737.3
137.5°	768.8	768.7	768.5	768.4	768.2	768.0	768.2	768.4	768.5	768.7	768.8
140°	798.0	798.1	798.2	798.4	798.5	798.7	798.5	798.4	798.2	798.1	798.0
142.5°	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2
145°	848.9	849.1	849.4	849.7	850.1	850.4	850.1	849.7	849.4	849.1	848.9
147.5°	871.3	871.4	871.6	871.7	871.9	872.1	871.9	871.7	871.6	871.4	871.3
150°	892.3	892.4	892.5	892.7	892.8	893.0	892.8	892.7	892.5	892.4	892.3
152.5°	911.8	911.7	911.5	911.4	911.2	911.0	911.2	911.4	911.5	911.7	911.8
155°	929.0	928.7	928.2	927.7	927.2	926.7	927.2	927.7	928.2	928.7	929.0
157.5°	943.9	943.5	942.7	941.8	941.0	940.2	941.0	941.8	942.7	943.5	943.9
160°	958.2	957.7	956.7	955.7	954.7	953.7	954.7	955.7	956.7	957.7	958.2
162.5°	969.4	968.8	967.7	966.5	965.4	964.2	965.4	966.5	967.7	968.8	969.4
165°	980.6	979.9	978.4	976.9	975.4	973.9	975.4	976.9	978.4	979.9	980.6
167.5°	988.9	988.1	986.4	984.7	983.1	981.4	983.1	984.7	986.4	988.1	988.9
170°	995.6	994.8	993.1	991.4	989.8	988.1	989.8	991.4	993.1	994.8	995.6
172.5°	1000.1	999.2	997.4	995.5	993.7	991.9	993.7	995.5	997.4	999.2	1000.1
175°	1003.8	1002.8	1000.8	998.8	996.8	994.8	996.8	998.8	1000.8	1002.8	1003.8
177.5°	1005.3	1004.3	1002.3	1000.3	998.3	996.3	998.3	1000.3	1002.3	1004.3	1005.3
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

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CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	536.7	539.0	538.1	534.9	536.3	539.0	541.8	545.4	547.7	549.5	550.4
5°	505.2	509.3	508.4	508.4	510.2	514.8	519.4	527.1	529.9	533.1	537.6
7.5°	477.3	480.5	483.3	484.2	486.9	492.9	498.8	507.5	514.3	518.0	520.7
10°	452.7	455.0	459.1	461.4	464.1	471.4	480.1	489.2	496.1	502.5	506.1
12.5°	421.2	430.3	435.8	439.4	443.1	454.1	460.9	471.0	479.2	485.1	490.6
15°	386.0	397.0	400.1	414.3	423.4	432.1	442.6	454.5	462.3	469.1	476.4
17.5°	356.3	364.1	367.7	382.8	390.6	404.3	419.3	434.4	446.3	451.3	458.6
20°	337.6	341.7	349.0	354.0	362.2	378.2	394.7	412.9	430.8	435.8	443.1
22.5°	318.4	323.9	328.9	335.7	342.1	353.1	369.5	389.6	408.8	418.0	426.6
25°	301.0	306.5	309.7	317.0	323.0	333.9	345.3	365.9	388.7	396.5	410.2
27.5°	287.3	290.5	296.0	299.2	306.0	316.1	326.6	342.1	364.5	377.8	391.0
30°	273.6	275.9	280.5	285.0	290.1	296.9	308.8	323.9	344.4	355.8	369.1
32.5°	259.9	263.6	266.3	269.5	275.0	283.2	291.4	306.0	322.5	335.3	348.5
35°	248.5	249.9	253.5	257.2	260.8	268.1	276.8	291.0	305.6	315.6	327.5
37.5°	236.2	238.4	241.2	242.6	248.5	253.1	262.2	273.2	290.5	296.9	308.8
40°	226.6	226.1	228.9	231.1	233.9	241.2	246.7	258.5	272.2	282.3	289.6
42.5°	214.7	214.7	215.6	218.3	222.0	226.6	233.0	243.0	257.2	264.5	273.2
45°	205.1	203.7	204.2	206.0	208.3	212.9	219.3	227.9	242.1	248.0	257.2
47.5°	193.7	192.3	192.3	194.1	196.0	199.2	204.2	214.2	225.7	233.4	240.3
50°	180.9	181.3	180.9	182.3	183.2	186.4	191.9	200.1	210.6	217.0	224.7
52.5°	169.0	168.1	167.6	168.6	170.4	172.7	178.6	185.9	196.0	202.4	209.2
55°	154.4	155.3	155.3	155.3	158.0	159.0	163.5	170.8	180.9	185.9	192.3
57.5°	141.1	140.7	141.6	141.1	143.4	146.6	150.3	155.8	165.8	170.8	176.8
60°	126.5	127.0	127.4	127.4	129.3	132.5	136.6	141.6	149.8	154.9	160.3
62.5°	108.7	111.0	113.3	114.2	116.9	119.2	122.0	127.4	134.8	138.4	143.4
65°	91.8	95.0	98.2	100.5	102.3	104.6	108.3	113.3	119.2	122.9	127.9
67.5°	77.2	79.5	83.6	85.9	89.5	92.3	94.6	98.7	106.0	107.3	111.5
70°	66.7	67.6	69.4	71.3	75.4	77.7	80.4	84.5	90.0	93.2	95.5
72.5°	56.2	56.6	57.6	59.4	61.2	64.0	67.1	70.8	75.8	77.2	80.4
75°	44.8	47.5	47.5	48.9	50.2	51.6	54.4	58.0	61.2	63.5	65.3
77.5°	33.3	34.7	35.6	37.9	39.7	41.1	42.9	45.7	47.5	49.3	50.7
80°	26.0	26.5	27.0	27.0	27.9	29.7	31.5	33.3	35.6	36.5	37.9
82.5°	19.2	19.2	19.2	20.1	20.6	21.0	21.0	21.9	24.2	25.1	26.5
85°	12.3	12.3	12.3	12.3	12.8	13.2	13.7	14.2	14.2	14.2	15.1
87.5°	5.0	5.9	5.5	5.9	5.9	5.9	5.9	6.4	6.4	6.9	6.9
90°	20.5	19.5	18.5	17.5	16.5	15.2	13.8	12.5	11.2	10.5	9.6
92.5°	19.7	18.7	17.7	16.7	15.7	14.4	13.0	11.7	10.4	9.7	9.9
95°	20.5	19.5	18.5	17.5	16.5	16.3	16.1	16.0	15.8	15.7	18.5
97.5°	19.8	19.0	18.1	17.3	16.5	34.0	51.4	68.9	86.4	95.1	93.3
100°	21.6	24.4	27.3	30.1	32.9	55.9	78.8	101.8	124.7	136.2	134.7
102.5°	40.4	77.8	115.3	152.7	190.1	188.1	186.1	184.2	182.2	181.2	180.2
105°	239.6	238.1	236.6	235.1	233.6	232.8	231.9	231.1	230.2	229.8	229.3
107.5°	284.8	284.0	283.1	282.3	281.5	280.3	279.1	278.0	276.8	276.2	276.0
110°	331.4	331.1	330.8	330.4	330.1	329.1	328.1	327.1	326.1	325.6	325.4

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	376.6	376.8	376.9	377.1	377.3	377.0	376.6	376.3	376.0	375.8	375.3
115°	423.5	423.2	422.9	422.5	422.2	422.4	422.5	422.7	422.8	422.9	422.7
117.5°	469.5	469.6	469.8	469.9	470.1	469.6	469.1	468.6	468.1	467.9	467.6
120°	513.3	513.0	512.7	512.3	512.0	512.2	512.4	512.5	512.7	512.8	512.5
122.5°	555.3	555.2	555.0	554.9	554.7	554.4	554.0	553.7	553.4	553.2	553.0
125°	594.9	594.4	593.9	593.4	592.9	593.2	593.6	593.9	594.2	594.4	594.1
127.5°	633.4	633.5	633.7	633.8	634.0	633.2	632.4	631.5	630.7	630.3	630.2
130°	669.9	669.7	669.6	669.4	669.2	668.7	668.2	667.7	667.2	667.0	666.9
132.5°	705.1	704.9	704.8	704.6	704.4	703.7	703.1	702.4	701.7	701.4	701.2
135°	737.1	736.8	736.5	736.1	735.8	735.1	734.5	733.8	733.1	732.8	732.9
137.5°	768.6	768.3	768.0	767.6	767.3	766.5	765.6	764.8	763.9	763.5	763.5
140°	797.7	797.2	796.7	796.2	795.7	795.4	795.0	794.7	794.4	794.2	794.0
142.5°	824.0	823.7	823.4	823.0	822.7	822.5	822.3	822.2	822.0	821.9	821.6
145°	848.8	848.6	848.5	848.3	848.1	848.1	848.1	848.1	848.1	848.1	847.9
147.5°	871.2	871.1	870.9	870.8	870.6	870.8	870.9	871.1	871.2	871.3	870.8
150°	892.3	892.3	892.3	892.3	892.3	892.5	892.6	892.8	892.9	893.0	892.7
152.5°	911.6	911.3	911.0	910.6	910.3	910.6	911.0	911.3	911.6	911.8	911.5
155°	928.7	928.0	927.3	926.7	926.0	926.5	927.0	927.5	928.0	928.2	928.1
157.5°	943.5	942.7	941.8	941.0	940.2	940.9	941.5	942.2	942.9	943.2	943.2
160°	957.7	956.7	955.7	954.7	953.7	953.9	954.0	954.2	954.3	954.4	954.7
162.5°	968.9	967.9	966.9	965.9	964.9	965.1	965.3	965.4	965.6	965.7	966.0
165°	979.9	978.6	977.3	975.9	974.6	974.6	974.6	974.6	974.6	974.6	975.0
167.5°	988.1	986.6	985.1	983.6	982.1	982.3	982.5	982.6	982.8	982.9	983.3
170°	994.9	993.6	992.3	990.9	989.6	989.4	989.3	989.1	989.0	988.9	989.4
172.5°	999.4	998.1	996.8	995.4	994.1	993.9	993.7	993.6	993.4	993.3	993.8
175°	1003.1	1001.6	1000.1	998.6	997.1	996.9	996.7	996.6	996.4	996.3	996.8
177.5°	1004.6	1003.3	1002.0	1000.6	999.3	999.0	998.6	998.3	998.0	997.8	998.4
180°	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8	1000.8

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	566.9	566.9	566.9	566.9
2.5°	554.1	556.8	561.4	567.8
5°	541.3	549.1	556.4	566.0
7.5°	529.9	539.0	549.1	562.8
10°	516.6	528.1	540.8	557.7
12.5°	501.1	517.1	531.7	550.0
15°	489.7	501.6	520.3	541.8
17.5°	473.7	489.7	508.4	532.6
20°	458.6	475.5	496.5	521.7
22.5°	442.6	461.8	482.8	509.8
25°	426.2	446.7	467.8	496.5
27.5°	411.1	429.8	453.6	482.8
30°	392.8	414.3	437.1	467.8
32.5°	375.0	397.4	420.7	451.3
35°	355.8	378.2	403.8	433.0
37.5°	337.1	361.8	385.1	413.4
40°	316.6	342.1	366.3	395.1
42.5°	296.5	323.0	347.2	371.8
45°	277.7	303.8	325.7	349.0
47.5°	259.9	283.2	305.6	326.6
50°	242.6	262.2	282.8	300.1
52.5°	224.3	243.0	259.5	275.0
55°	207.8	222.5	237.1	251.2
57.5°	188.2	202.8	215.6	226.6
60°	171.8	180.9	193.2	204.6
62.5°	153.0	163.5	173.1	180.4
65°	134.8	143.9	151.2	157.6
67.5°	119.2	124.7	130.2	137.0
70°	100.5	105.1	111.5	116.5
72.5°	84.5	88.2	91.4	97.3
75°	68.5	71.7	73.5	79.0
77.5°	53.0	56.2	57.6	60.8
80°	40.7	41.1	42.9	45.7
82.5°	27.9	28.8	29.2	31.5
85°	16.0	18.3	17.8	18.7
87.5°	6.9	7.3	8.2	9.1
90°	7.7	5.9	4.0	2.2
92.5°	10.2	10.5	10.9	11.2
95°	24.2	29.9	35.5	41.2
97.5°	89.6	85.9	82.3	78.6
100°	131.7	128.8	125.8	122.8
102.5°	178.2	176.2	174.2	172.2
105°	228.3	227.3	226.3	225.3
107.5°	275.5	275.0	274.5	274.0
110°	324.9	324.4	323.9	323.4

TEST NUMBER: P1032980

CATALOG NUMBER: S124RDIW-B350D770UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	374.3	373.3	372.3	371.3
115°	422.2	421.7	421.2	420.7
117.5°	466.9	466.2	465.6	464.9
120°	511.8	511.1	510.5	509.8
122.5°	552.7	552.4	552.0	551.7
125°	593.4	592.7	592.1	591.4
127.5°	630.0	629.9	629.7	629.5
130°	666.7	666.6	666.4	666.2
132.5°	700.9	700.6	700.2	699.9
135°	733.1	733.2	733.4	733.6
137.5°	763.5	763.5	763.5	763.5
140°	793.7	793.4	793.0	792.7
142.5°	820.9	820.2	819.6	818.9
145°	847.4	846.9	846.4	845.9
147.5°	869.8	868.8	867.8	866.8
150°	892.0	891.3	890.7	890.0
152.5°	911.0	910.5	910.0	909.5
155°	928.0	927.8	927.7	927.5
157.5°	943.2	943.2	943.2	943.2
160°	955.2	955.7	956.2	956.7
162.5°	966.7	967.3	968.0	968.6
165°	975.9	976.7	977.6	978.4
167.5°	984.1	985.0	985.8	986.6
170°	990.4	991.3	992.3	993.3
172.5°	994.8	995.8	996.8	997.8
175°	997.8	998.8	999.8	1000.8
177.5°	999.6	1000.7	1001.9	1003.1
180°	1000.8	1000.8	1000.8	1000.8

(END OF REPORT)