

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: P1013328

Luminaire Tested: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1013328
REPORT IS A COMBINATION OF REPORTS P999345 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K
Description: Define 4 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

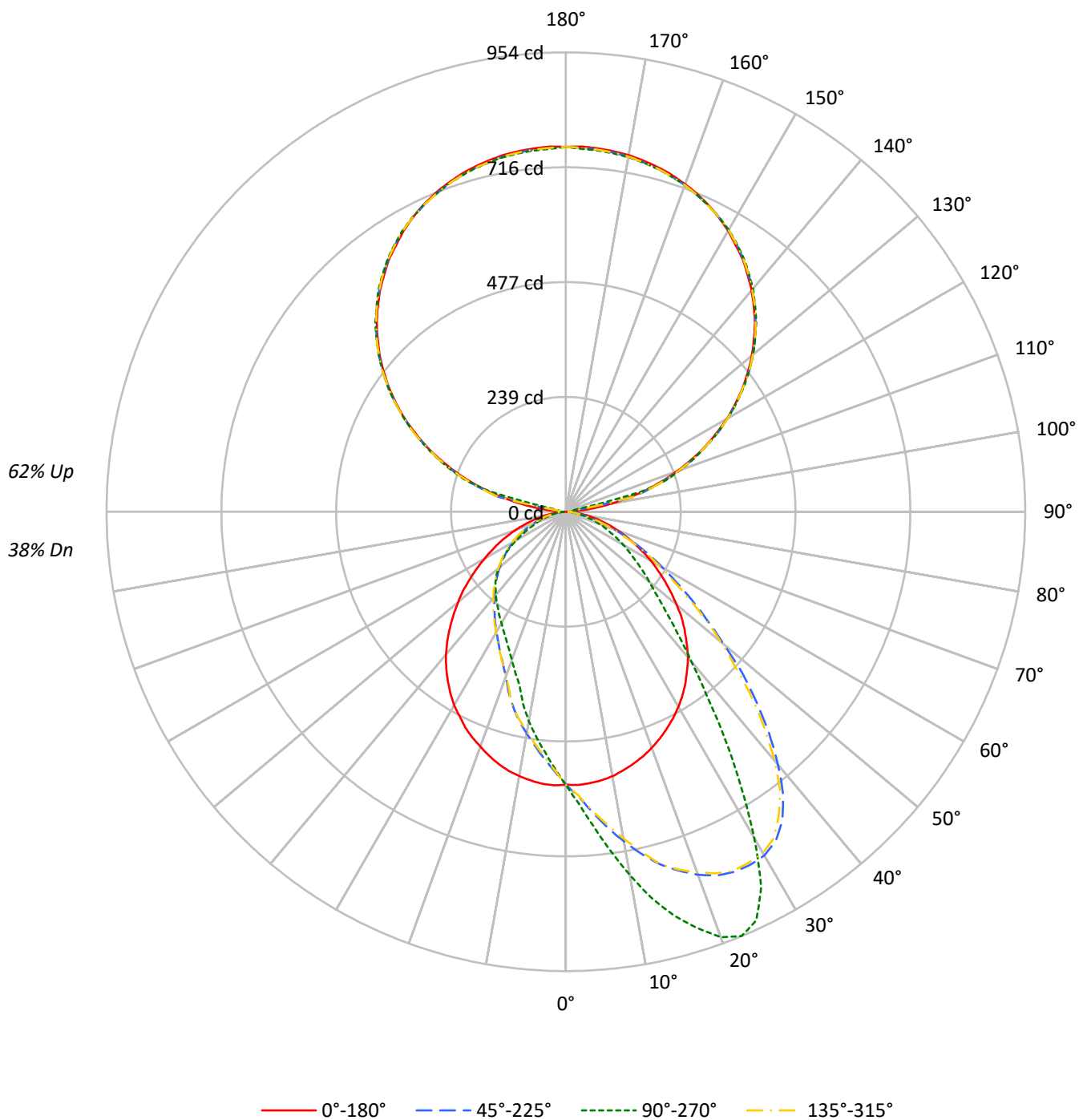
Lumens per Lamp: N/A
Luminaire Lumens: 3779.0 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 28.4
Input Voltage (V): 120
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



TEST NUMBER: P1013328

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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45			38
1	95	91	88	84	87	83	80	77	68	66	64	53	52	51	40	40	39			33
2	87	80	74	69	79	73	68	64	60	56	53	47	45	43	36	34	33			28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29			24
4	73	63	55	49	66	57	51	46	47	42	39	38	34	32	29	27	25			21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	28	26	24	22			18
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19			16
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17			14
8	53	41	34	28	48	38	31	27	31	26	23	26	22	19	20	17	15			13
9	49	37	30	25	45	35	28	24	29	24	20	24	20	17	18	16	14			12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	17	15	13			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	1.5
10°-20°	165.8	4.4
20°-30°	259.7	6.9
30°-40°	288.3	7.6
40°-50°	255.5	6.8
50°-60°	199.1	5.3
60°-70°	130.2	3.4
70°-80°	63.9	1.7
80°-90°	17.1	0.5
90°-100°	25.2	0.7
100°-110°	165.6	4.4
110°-120°	316.3	8.4
120°-130°	401.5	10.6
130°-140°	429.5	11.4
140°-150°	401.6	10.6
150°-160°	323.9	8.6
160°-170°	208.9	5.5
170°-180°	72.0	1.9
0°-30°	480.3	12.7
0°-40°	768.6	20.3
0°-60°	1223.3	32.4
0°-90°	1434.6	38.0
90°-120°	507.0	13.4
90°-150°	1739.7	46.0
90°-180°	2344.0	62.0
0°-180°	3779.0	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	17	2	17	2	3
95°	31	16	31	16	31	38
105°	171	162	171	162	171	179
115°	318	321	318	321	318	313
125°	448	451	448	451	448	400
135°	555	559	555	559	555	428
145°	640	644	640	644	640	400
155°	702	702	702	702	702	324
165°	741	737	741	737	741	209
175°	758	753	758	753	758	72
180°	758	758	758	758	758	

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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°	1.7	3.1	4.5	5.8	7.2	7.9	8.4	9.4	10.5	11.5	12.5
92.5°	8.5	8.3	8.0	7.8	7.5	7.4	7.9	8.9	9.9	10.9	11.9
95°	31.2	26.9	22.6	18.3	14.0	11.9	12.0	12.1	12.2	12.4	12.5
97.5°	59.5	62.3	65.1	67.8	70.6	72.0	65.4	52.2	38.9	25.7	12.5
100°	92.9	95.2	97.4	99.7	102.0	103.1	94.4	77.0	59.7	42.3	24.9
102.5°	130.3	131.8	133.3	134.8	136.3	137.1	137.9	139.4	140.9	142.4	143.9
105°	170.6	171.4	172.1	172.9	173.6	174.0	174.3	174.9	175.6	176.2	176.8
107.5°	207.4	207.8	208.2	208.5	208.9	209.1	209.5	210.4	211.3	212.2	213.1
110°	244.8	245.2	245.6	245.9	246.3	246.5	246.9	247.6	248.4	249.1	249.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	281.1	281.9	282.6	283.4	284.1	284.5	284.6	284.9	285.1	285.4	285.6
115°	318.5	318.9	319.3	319.6	320.0	320.2	320.1	320.0	319.9	319.7	319.6
117.5°	351.9	352.4	352.9	353.4	353.9	354.2	354.4	354.8	355.1	355.5	355.9
120°	385.9	386.4	386.9	387.4	387.9	388.2	388.1	388.0	387.9	387.7	387.6
122.5°	417.6	417.9	418.1	418.4	418.7	418.8	418.9	419.2	419.4	419.7	419.9
125°	447.7	448.2	448.7	449.2	449.7	449.9	449.8	449.5	449.3	449.0	448.8
127.5°	476.6	476.7	476.8	476.9	477.0	477.1	477.4	478.1	478.7	479.4	480.0
130°	504.3	504.4	504.6	504.7	504.8	504.9	505.1	505.5	505.8	506.2	506.6
132.5°	529.8	530.1	530.3	530.6	530.9	531.0	531.2	531.7	532.2	532.7	533.2
135°	555.3	555.2	555.1	555.0	554.9	554.8	555.0	555.5	556.0	556.5	557.0
137.5°	578.0	578.0	578.0	578.0	578.0	578.0	578.3	578.9	579.6	580.2	580.8
140°	600.1	600.3	600.6	600.8	601.1	601.2	601.3	601.6	601.9	602.1	602.4
142.5°	619.9	620.4	620.9	621.4	621.9	622.2	622.3	622.4	622.5	622.7	622.8
145°	640.3	640.7	641.1	641.4	641.8	642.0	642.0	642.0	642.0	642.0	642.0
147.5°	656.2	657.0	657.7	658.5	659.2	659.6	659.5	659.4	659.3	659.1	659.0
150°	673.8	674.3	674.8	675.3	675.8	676.0	675.9	675.8	675.7	675.6	675.5
152.5°	688.5	688.9	689.3	689.6	690.0	690.2	690.1	689.8	689.6	689.3	689.1
155°	702.1	702.2	702.4	702.5	702.6	702.7	702.5	702.1	701.8	701.4	701.0
157.5°	714.0	714.0	714.0	714.0	714.0	714.0	713.7	713.2	712.7	712.2	711.7
160°	724.2	723.8	723.4	723.1	722.7	722.5	722.4	722.3	722.2	722.0	721.9
162.5°	733.3	732.8	732.3	731.8	731.3	731.0	730.9	730.8	730.7	730.5	730.4
165°	740.6	740.0	739.4	738.7	738.1	737.8	737.8	737.8	737.8	737.8	737.8
167.5°	746.9	746.3	745.6	745.0	744.3	744.0	743.9	743.8	743.7	743.6	743.5
170°	752.0	751.2	750.5	749.7	749.0	748.6	748.7	748.8	748.9	749.0	749.1
172.5°	755.4	754.6	753.9	753.1	752.4	752.0	752.1	752.2	752.3	752.4	752.5
175°	757.6	756.8	756.1	755.3	754.6	754.2	754.3	754.4	754.5	754.7	754.8
177.5°	759.3	758.4	757.6	756.7	755.8	755.4	755.5	755.8	756.0	756.3	756.5
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

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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°	13.3	14.0	14.8	15.5	15.9	16.0	16.3	16.5	16.8	17.0	16.8
92.5°	12.7	13.4	14.2	14.9	15.3	15.3	15.3	15.3	15.3	15.3	15.3
95°	13.3	14.0	14.8	15.5	15.9	16.0	16.1	16.2	16.3	16.4	16.3
97.5°	13.1	13.7	14.4	15.0	15.3	15.4	15.5	15.6	15.8	15.9	15.8
100°	22.8	20.6	18.5	16.4	15.3	15.4	15.5	15.6	15.8	15.9	15.8
102.5°	115.6	87.2	58.9	30.6	16.4	16.4	16.4	16.4	16.4	16.4	16.4
105°	177.9	179.1	180.2	181.3	181.9	179.6	175.1	170.6	166.0	161.5	166.0
107.5°	213.7	214.3	215.0	215.6	215.9	216.2	216.7	217.2	217.7	218.2	217.7
110°	250.1	250.4	250.6	250.9	251.0	251.2	251.6	251.9	252.3	252.7	252.3

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	285.5	285.3	285.2	285.1	285.0	285.3	285.8	286.3	286.8	287.3	286.8
115°	319.8	320.1	320.3	320.6	320.7	320.7	320.7	320.7	320.7	320.7	320.7
117.5°	355.8	355.6	355.5	355.4	355.3	355.3	355.3	355.3	355.3	355.3	355.3
120°	387.8	388.1	388.3	388.6	388.7	388.6	388.3	388.1	387.8	387.6	387.8
122.5°	420.0	420.2	420.3	420.4	420.5	420.4	420.1	419.8	419.6	419.3	419.6
125°	449.2	449.6	449.9	450.3	450.5	450.6	450.7	450.8	451.0	451.1	451.0
127.5°	479.9	479.7	479.6	479.5	479.4	479.3	479.2	479.1	478.9	478.8	478.9
130°	506.7	506.9	507.0	507.1	507.2	507.2	507.2	507.2	507.2	507.2	507.2
132.5°	533.3	533.5	533.6	533.7	533.8	533.7	533.6	533.5	533.3	533.2	533.3
135°	557.3	557.5	557.8	558.1	558.2	558.3	558.6	558.8	559.1	559.3	559.1
137.5°	581.1	581.3	581.6	581.9	582.0	581.9	581.8	581.7	581.5	581.4	581.5
140°	602.8	603.2	603.5	603.9	604.1	604.2	604.3	604.4	604.5	604.6	604.5
142.5°	623.0	623.3	623.5	623.8	623.9	623.9	623.9	623.9	623.9	623.9	623.9
145°	642.1	642.3	642.4	642.5	642.6	642.7	643.0	643.2	643.5	643.7	643.5
147.5°	659.1	659.3	659.4	659.5	659.6	659.7	659.8	659.9	660.1	660.2	660.1
150°	675.5	675.5	675.5	675.5	675.5	675.6	675.7	675.8	675.9	676.0	675.9
152.5°	689.3	689.6	689.8	690.1	690.2	690.1	690.0	689.9	689.7	689.6	689.7
155°	701.5	702.0	702.5	703.0	703.2	703.0	702.6	702.3	701.9	701.5	701.9
157.5°	712.3	713.0	713.6	714.3	714.6	714.3	713.6	713.0	712.3	711.7	712.3
160°	722.7	723.4	724.2	724.9	725.3	724.9	724.2	723.4	722.7	721.9	722.7
162.5°	731.2	731.9	732.7	733.4	733.8	733.4	732.5	731.6	730.8	729.9	730.8
165°	738.8	739.8	740.8	741.8	742.3	741.7	740.6	739.5	738.3	737.2	738.3
167.5°	744.6	745.8	746.9	748.0	748.6	748.0	746.7	745.4	744.2	742.9	744.2
170°	750.1	751.1	752.2	753.2	753.7	753.1	751.8	750.5	749.3	748.0	749.3
172.5°	753.5	754.5	755.6	756.6	757.1	756.4	755.0	753.6	752.2	750.8	752.2
175°	755.9	757.1	758.2	759.3	759.9	759.1	757.6	756.1	754.6	753.1	754.6
177.5°	757.5	758.5	759.5	760.5	761.0	760.2	758.7	757.2	755.7	754.2	755.7
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-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°	16.5	16.3	16.0	15.9	15.5	14.8	14.0	13.3	12.5	11.5	10.5
92.5°	15.3	15.3	15.3	15.3	14.9	14.2	13.4	12.7	11.9	10.9	9.9
95°	16.2	16.1	16.0	15.9	15.5	14.8	14.0	13.3	12.5	12.4	12.2
97.5°	15.6	15.5	15.4	15.3	15.0	14.4	13.7	13.1	12.5	25.7	38.9
100°	15.6	15.5	15.4	15.3	16.4	18.5	20.6	22.8	24.9	42.3	59.7
102.5°	16.4	16.4	16.4	16.4	30.6	58.9	87.2	115.6	143.9	142.4	140.9
105°	170.6	175.1	179.6	181.9	181.3	180.2	179.1	177.9	176.8	176.2	175.6
107.5°	217.2	216.7	216.2	215.9	215.6	215.0	214.3	213.7	213.1	212.2	211.3
110°	251.9	251.6	251.2	251.0	250.9	250.6	250.4	250.1	249.9	249.1	248.4

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	286.3	285.8	285.3	285.0	285.1	285.2	285.3	285.5	285.6	285.4	285.1
115°	320.7	320.7	320.7	320.7	320.6	320.3	320.1	319.8	319.6	319.7	319.9
117.5°	355.3	355.3	355.3	355.3	355.4	355.5	355.6	355.8	355.9	355.5	355.1
120°	388.1	388.3	388.6	388.7	388.6	388.3	388.1	387.8	387.6	387.7	387.9
122.5°	419.8	420.1	420.4	420.5	420.4	420.3	420.2	420.0	419.9	419.7	419.4
125°	450.8	450.7	450.6	450.5	450.3	449.9	449.6	449.2	448.8	449.0	449.3
127.5°	479.1	479.2	479.3	479.4	479.5	479.6	479.7	479.9	480.0	479.4	478.7
130°	507.2	507.2	507.2	507.2	507.1	507.0	506.9	506.7	506.6	506.2	505.8
132.5°	533.5	533.6	533.7	533.8	533.7	533.6	533.5	533.3	533.2	532.7	532.2
135°	558.8	558.6	558.3	558.2	558.1	557.8	557.5	557.3	557.0	556.5	556.0
137.5°	581.7	581.8	581.9	582.0	581.9	581.6	581.3	581.1	580.8	580.2	579.6
140°	604.4	604.3	604.2	604.1	603.9	603.5	603.2	602.8	602.4	602.1	601.9
142.5°	623.9	623.9	623.9	623.9	623.8	623.5	623.3	623.0	622.8	622.7	622.5
145°	643.2	643.0	642.7	642.6	642.5	642.4	642.3	642.1	642.0	642.0	642.0
147.5°	659.9	659.8	659.7	659.6	659.5	659.4	659.3	659.1	659.0	659.1	659.3
150°	675.8	675.7	675.6	675.5	675.5	675.5	675.5	675.5	675.5	675.6	675.7
152.5°	689.9	690.0	690.1	690.2	690.1	689.8	689.6	689.3	689.1	689.3	689.6
155°	702.3	702.6	703.0	703.2	703.0	702.5	702.0	701.5	701.0	701.4	701.8
157.5°	713.0	713.6	714.3	714.6	714.3	713.6	713.0	712.3	711.7	712.2	712.7
160°	723.4	724.2	724.9	725.3	724.9	724.2	723.4	722.7	721.9	722.0	722.2
162.5°	731.6	732.5	733.4	733.8	733.4	732.7	731.9	731.2	730.4	730.5	730.7
165°	739.5	740.6	741.7	742.3	741.8	740.8	739.8	738.8	737.8	737.8	737.8
167.5°	745.4	746.7	748.0	748.6	748.0	746.9	745.8	744.6	743.5	743.6	743.7
170°	750.5	751.8	753.1	753.7	753.2	752.2	751.1	750.1	749.1	749.0	748.9
172.5°	753.6	755.0	756.4	757.1	756.6	755.6	754.5	753.5	752.5	752.4	752.3
175°	756.1	757.6	759.1	759.9	759.3	758.2	757.1	755.9	754.8	754.7	754.5
177.5°	757.2	758.7	760.2	761.0	760.5	759.5	758.5	757.5	756.5	756.3	756.0
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-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°	9.4	8.4	7.9	7.2	5.8	4.5	3.1	1.7	3.1	4.5	5.8
92.5°	8.9	7.9	7.4	7.5	7.8	8.0	8.3	8.5	8.3	8.0	7.8
95°	12.1	12.0	11.9	14.0	18.3	22.6	26.9	31.2	26.9	22.6	18.3
97.5°	52.2	65.4	72.0	70.6	67.8	65.1	62.3	59.5	62.3	65.1	67.8
100°	77.0	94.4	103.1	102.0	99.7	97.4	95.2	92.9	95.2	97.4	99.7
102.5°	139.4	137.9	137.1	136.3	134.8	133.3	131.8	130.3	131.8	133.3	134.8
105°	174.9	174.3	174.0	173.6	172.9	172.1	171.4	170.6	171.4	172.1	172.9
107.5°	210.4	209.5	209.1	208.9	208.5	208.2	207.8	207.4	207.8	208.2	208.5
110°	247.6	246.9	246.5	246.3	245.9	245.6	245.2	244.8	245.2	245.6	245.9

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	284.9	284.6	284.5	284.1	283.4	282.6	281.9	281.1	281.9	282.6	283.4
115°	320.0	320.1	320.2	320.0	319.6	319.3	318.9	318.5	318.9	319.3	319.6
117.5°	354.8	354.4	354.2	353.9	353.4	352.9	352.4	351.9	352.4	352.9	353.4
120°	388.0	388.1	388.2	387.9	387.4	386.9	386.4	385.9	386.4	386.9	387.4
122.5°	419.2	418.9	418.8	418.7	418.4	418.1	417.9	417.6	417.9	418.1	418.4
125°	449.5	449.8	449.9	449.7	449.2	448.7	448.2	447.7	448.2	448.7	449.2
127.5°	478.1	477.4	477.1	477.0	476.9	476.8	476.7	476.6	476.7	476.8	476.9
130°	505.5	505.1	504.9	504.8	504.7	504.6	504.4	504.3	504.4	504.6	504.7
132.5°	531.7	531.2	531.0	530.9	530.6	530.3	530.1	529.8	530.1	530.3	530.6
135°	555.5	555.0	554.8	554.9	555.0	555.1	555.2	555.3	555.2	555.1	555.0
137.5°	578.9	578.3	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0
140°	601.6	601.3	601.2	601.1	600.8	600.6	600.3	600.1	600.3	600.6	600.8
142.5°	622.4	622.3	622.2	621.9	621.4	620.9	620.4	619.9	620.4	620.9	621.4
145°	642.0	642.0	642.0	641.8	641.4	641.1	640.7	640.3	640.7	641.1	641.4
147.5°	659.4	659.5	659.6	659.2	658.5	657.7	657.0	656.2	657.0	657.7	658.5
150°	675.8	675.9	676.0	675.8	675.3	674.8	674.3	673.8	674.3	674.8	675.3
152.5°	689.8	690.1	690.2	690.0	689.6	689.3	688.9	688.5	688.9	689.3	689.6
155°	702.1	702.5	702.7	702.6	702.5	702.4	702.2	702.1	702.2	702.4	702.5
157.5°	713.2	713.7	714.0	714.0	714.0	714.0	714.0	714.0	714.0	714.0	714.0
160°	722.3	722.4	722.5	722.7	723.1	723.4	723.8	724.2	723.8	723.4	723.1
162.5°	730.8	730.9	731.0	731.3	731.8	732.3	732.8	733.3	732.8	732.3	731.8
165°	737.8	737.8	737.8	738.1	738.7	739.4	740.0	740.6	740.0	739.4	738.7
167.5°	743.8	743.9	744.0	744.3	745.0	745.6	746.3	746.9	746.3	745.6	745.0
170°	748.8	748.7	748.6	749.0	749.7	750.5	751.2	752.0	751.2	750.5	749.7
172.5°	752.2	752.1	752.0	752.4	753.1	753.9	754.6	755.4	754.6	753.9	753.1
175°	754.4	754.3	754.2	754.6	755.3	756.1	756.8	757.6	756.8	756.1	755.3
177.5°	755.8	755.5	755.4	755.8	756.7	757.6	758.4	759.3	758.4	757.6	756.7
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-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°	7.2	7.9	8.4	9.4	10.5	11.5	12.5	13.3	14.0	14.8	15.5
92.5°	7.5	7.4	7.9	8.9	9.9	10.9	11.9	12.7	13.4	14.2	14.9
95°	14.0	11.9	12.0	12.1	12.2	12.4	12.5	13.3	14.0	14.8	15.5
97.5°	70.6	72.0	65.4	52.2	38.9	25.7	12.5	13.1	13.7	14.4	15.0
100°	102.0	103.1	94.4	77.0	59.7	42.3	24.9	22.8	20.6	18.5	16.4
102.5°	136.3	137.1	137.9	139.4	140.9	142.4	143.9	115.6	87.2	58.9	30.6
105°	173.6	174.0	174.3	174.9	175.6	176.2	176.8	177.9	179.1	180.2	181.3
107.5°	208.9	209.1	209.5	210.4	211.3	212.2	213.1	213.7	214.3	215.0	215.6
110°	246.3	246.5	246.9	247.6	248.4	249.1	249.9	250.1	250.4	250.6	250.9

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	284.1	284.5	284.6	284.9	285.1	285.4	285.6	285.5	285.3	285.2	285.1
115°	320.0	320.2	320.1	320.0	319.9	319.7	319.6	319.8	320.1	320.3	320.6
117.5°	353.9	354.2	354.4	354.8	355.1	355.5	355.9	355.8	355.6	355.5	355.4
120°	387.9	388.2	388.1	388.0	387.9	387.7	387.6	387.8	388.1	388.3	388.6
122.5°	418.7	418.8	418.9	419.2	419.4	419.7	419.9	420.0	420.2	420.3	420.4
125°	449.7	449.9	449.8	449.5	449.3	449.0	448.8	449.2	449.6	449.9	450.3
127.5°	477.0	477.1	477.4	478.1	478.7	479.4	480.0	479.9	479.7	479.6	479.5
130°	504.8	504.9	505.1	505.5	505.8	506.2	506.6	506.7	506.9	507.0	507.1
132.5°	530.9	531.0	531.2	531.7	532.2	532.7	533.2	533.3	533.5	533.6	533.7
135°	554.9	554.8	555.0	555.5	556.0	556.5	557.0	557.3	557.5	557.8	558.1
137.5°	578.0	578.0	578.3	578.9	579.6	580.2	580.8	581.1	581.3	581.6	581.9
140°	601.1	601.2	601.3	601.6	601.9	602.1	602.4	602.8	603.2	603.5	603.9
142.5°	621.9	622.2	622.3	622.4	622.5	622.7	622.8	623.0	623.3	623.5	623.8
145°	641.8	642.0	642.0	642.0	642.0	642.0	642.0	642.1	642.3	642.4	642.5
147.5°	659.2	659.6	659.5	659.4	659.3	659.1	659.0	659.1	659.3	659.4	659.5
150°	675.8	676.0	675.9	675.8	675.7	675.6	675.5	675.5	675.5	675.5	675.5
152.5°	690.0	690.2	690.1	689.8	689.6	689.3	689.1	689.3	689.6	689.8	690.1
155°	702.6	702.7	702.5	702.1	701.8	701.4	701.0	701.5	702.0	702.5	703.0
157.5°	714.0	714.0	713.7	713.2	712.7	712.2	711.7	712.3	713.0	713.6	714.3
160°	722.7	722.5	722.4	722.3	722.2	722.0	721.9	722.7	723.4	724.2	724.9
162.5°	731.3	731.0	730.9	730.8	730.7	730.5	730.4	731.2	731.9	732.7	733.4
165°	738.1	737.8	737.8	737.8	737.8	737.8	737.8	738.8	739.8	740.8	741.8
167.5°	744.3	744.0	743.9	743.8	743.7	743.6	743.5	744.6	745.8	746.9	748.0
170°	749.0	748.6	748.7	748.8	748.9	749.0	749.1	750.1	751.1	752.2	753.2
172.5°	752.4	752.0	752.1	752.2	752.3	752.4	752.5	753.5	754.5	755.6	756.6
175°	754.6	754.2	754.3	754.4	754.5	754.7	754.8	755.9	757.1	758.2	759.3
177.5°	755.8	755.4	755.5	755.8	756.0	756.3	756.5	757.5	758.5	759.5	760.5
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-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°	15.9	16.0	16.3	16.5	16.8	17.0	16.8	16.5	16.3	16.0	15.9
92.5°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
95°	15.9	16.0	16.1	16.2	16.3	16.4	16.3	16.2	16.1	16.0	15.9
97.5°	15.3	15.4	15.5	15.6	15.8	15.9	15.8	15.6	15.5	15.4	15.3
100°	15.3	15.4	15.5	15.6	15.8	15.9	15.8	15.6	15.5	15.4	15.3
102.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
105°	181.9	179.6	175.1	170.6	166.0	161.5	166.0	170.6	175.1	179.6	181.9
107.5°	215.9	216.2	216.7	217.2	217.7	218.2	217.7	217.2	216.7	216.2	215.9
110°	251.0	251.2	251.6	251.9	252.3	252.7	252.3	251.9	251.6	251.2	251.0

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	285.0	285.3	285.8	286.3	286.8	287.3	286.8	286.3	285.8	285.3	285.0
115°	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7
117.5°	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3
120°	388.7	388.6	388.3	388.1	387.8	387.6	387.8	388.1	388.3	388.6	388.7
122.5°	420.5	420.4	420.1	419.8	419.6	419.3	419.6	419.8	420.1	420.4	420.5
125°	450.5	450.6	450.7	450.8	451.0	451.1	451.0	450.8	450.7	450.6	450.5
127.5°	479.4	479.3	479.2	479.1	478.9	478.8	478.9	479.1	479.2	479.3	479.4
130°	507.2	507.2	507.2	507.2	507.2	507.2	507.2	507.2	507.2	507.2	507.2
132.5°	533.8	533.7	533.6	533.5	533.3	533.2	533.3	533.5	533.6	533.7	533.8
135°	558.2	558.3	558.6	558.8	559.1	559.3	559.1	558.8	558.6	558.3	558.2
137.5°	582.0	581.9	581.8	581.7	581.5	581.4	581.5	581.7	581.8	581.9	582.0
140°	604.1	604.2	604.3	604.4	604.5	604.6	604.5	604.4	604.3	604.2	604.1
142.5°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
145°	642.6	642.7	643.0	643.2	643.5	643.7	643.5	643.2	643.0	642.7	642.6
147.5°	659.6	659.7	659.8	659.9	660.1	660.2	660.1	659.9	659.8	659.7	659.6
150°	675.5	675.6	675.7	675.8	675.9	676.0	675.9	675.8	675.7	675.6	675.5
152.5°	690.2	690.1	690.0	689.9	689.7	689.6	689.7	689.9	690.0	690.1	690.2
155°	703.2	703.0	702.6	702.3	701.9	701.5	701.9	702.3	702.6	703.0	703.2
157.5°	714.6	714.3	713.6	713.0	712.3	711.7	712.3	713.0	713.6	714.3	714.6
160°	725.3	724.9	724.2	723.4	722.7	721.9	722.7	723.4	724.2	724.9	725.3
162.5°	733.8	733.4	732.5	731.6	730.8	729.9	730.8	731.6	732.5	733.4	733.8
165°	742.3	741.7	740.6	739.5	738.3	737.2	738.3	739.5	740.6	741.7	742.3
167.5°	748.6	748.0	746.7	745.4	744.2	742.9	744.2	745.4	746.7	748.0	748.6
170°	753.7	753.1	751.8	750.5	749.3	748.0	749.3	750.5	751.8	753.1	753.7
172.5°	757.1	756.4	755.0	753.6	752.2	750.8	752.2	753.6	755.0	756.4	757.1
175°	759.9	759.1	757.6	756.1	754.6	753.1	754.6	756.1	757.6	759.1	759.9
177.5°	761.0	760.2	758.7	757.2	755.7	754.2	755.7	757.2	758.7	760.2	761.0
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-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°	15.5	14.8	14.0	13.3	12.5	11.5	10.5	9.4	8.4	7.9	7.2
92.5°	14.9	14.2	13.4	12.7	11.9	10.9	9.9	8.9	7.9	7.4	7.5
95°	15.5	14.8	14.0	13.3	12.5	12.4	12.2	12.1	12.0	11.9	14.0
97.5°	15.0	14.4	13.7	13.1	12.5	25.7	38.9	52.2	65.4	72.0	70.6
100°	16.4	18.5	20.6	22.8	24.9	42.3	59.7	77.0	94.4	103.1	102.0
102.5°	30.6	58.9	87.2	115.6	143.9	142.4	140.9	139.4	137.9	137.1	136.3
105°	181.3	180.2	179.1	177.9	176.8	176.2	175.6	174.9	174.3	174.0	173.6
107.5°	215.6	215.0	214.3	213.7	213.1	212.2	211.3	210.4	209.5	209.1	208.9
110°	250.9	250.6	250.4	250.1	249.9	249.1	248.4	247.6	246.9	246.5	246.3

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	285.1	285.2	285.3	285.5	285.6	285.4	285.1	284.9	284.6	284.5	284.1
115°	320.6	320.3	320.1	319.8	319.6	319.7	319.9	320.0	320.1	320.2	320.0
117.5°	355.4	355.5	355.6	355.8	355.9	355.5	355.1	354.8	354.4	354.2	353.9
120°	388.6	388.3	388.1	387.8	387.6	387.7	387.9	388.0	388.1	388.2	387.9
122.5°	420.4	420.3	420.2	420.0	419.9	419.7	419.4	419.2	418.9	418.8	418.7
125°	450.3	449.9	449.6	449.2	448.8	449.0	449.3	449.5	449.8	449.9	449.7
127.5°	479.5	479.6	479.7	479.9	480.0	479.4	478.7	478.1	477.4	477.1	477.0
130°	507.1	507.0	506.9	506.7	506.6	506.2	505.8	505.5	505.1	504.9	504.8
132.5°	533.7	533.6	533.5	533.3	533.2	532.7	532.2	531.7	531.2	531.0	530.9
135°	558.1	557.8	557.5	557.3	557.0	556.5	556.0	555.5	555.0	554.8	554.9
137.5°	581.9	581.6	581.3	581.1	580.8	580.2	579.6	578.9	578.3	578.0	578.0
140°	603.9	603.5	603.2	602.8	602.4	602.1	601.9	601.6	601.3	601.2	601.1
142.5°	623.8	623.5	623.3	623.0	622.8	622.7	622.5	622.4	622.3	622.2	621.9
145°	642.5	642.4	642.3	642.1	642.0	642.0	642.0	642.0	642.0	642.0	641.8
147.5°	659.5	659.4	659.3	659.1	659.0	659.1	659.3	659.4	659.5	659.6	659.2
150°	675.5	675.5	675.5	675.5	675.5	675.6	675.7	675.8	675.9	676.0	675.8
152.5°	690.1	689.8	689.6	689.3	689.1	689.3	689.6	689.8	690.1	690.2	690.0
155°	703.0	702.5	702.0	701.5	701.0	701.4	701.8	702.1	702.5	702.7	702.6
157.5°	714.3	713.6	713.0	712.3	711.7	712.2	712.7	713.2	713.7	714.0	714.0
160°	724.9	724.2	723.4	722.7	721.9	722.0	722.2	722.3	722.4	722.5	722.7
162.5°	733.4	732.7	731.9	731.2	730.4	730.5	730.7	730.8	730.9	731.0	731.3
165°	741.8	740.8	739.8	738.8	737.8	737.8	737.8	737.8	737.8	737.8	738.1
167.5°	748.0	746.9	745.8	744.6	743.5	743.6	743.7	743.8	743.9	744.0	744.3
170°	753.2	752.2	751.1	750.1	749.1	749.0	748.9	748.8	748.7	748.6	749.0
172.5°	756.6	755.6	754.5	753.5	752.5	752.4	752.3	752.2	752.1	752.0	752.4
175°	759.3	758.2	757.1	755.9	754.8	754.7	754.5	754.4	754.3	754.2	754.6
177.5°	760.5	759.5	758.5	757.5	756.5	756.3	756.0	755.8	755.5	755.4	755.8
180°	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6	757.6

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-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°	5.8	4.5	3.1	1.7
92.5°	7.8	8.0	8.3	8.5
95°	18.3	22.6	26.9	31.2
97.5°	67.8	65.1	62.3	59.5
100°	99.7	97.4	95.2	92.9
102.5°	134.8	133.3	131.8	130.3
105°	172.9	172.1	171.4	170.6
107.5°	208.5	208.2	207.8	207.4
110°	245.9	245.6	245.2	244.8

TEST NUMBER: P1013328

CATALOG NUMBER: S124RDIP-B350D590UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	283.4	282.6	281.9	281.1
115°	319.6	319.3	318.9	318.5
117.5°	353.4	352.9	352.4	351.9
120°	387.4	386.9	386.4	385.9
122.5°	418.4	418.1	417.9	417.6
125°	449.2	448.7	448.2	447.7
127.5°	476.9	476.8	476.7	476.6
130°	504.7	504.6	504.4	504.3
132.5°	530.6	530.3	530.1	529.8
135°	555.0	555.1	555.2	555.3
137.5°	578.0	578.0	578.0	578.0
140°	600.8	600.6	600.3	600.1
142.5°	621.4	620.9	620.4	619.9
145°	641.4	641.1	640.7	640.3
147.5°	658.5	657.7	657.0	656.2
150°	675.3	674.8	674.3	673.8
152.5°	689.6	689.3	688.9	688.5
155°	702.5	702.4	702.2	702.1
157.5°	714.0	714.0	714.0	714.0
160°	723.1	723.4	723.8	724.2
162.5°	731.8	732.3	732.8	733.3
165°	738.7	739.4	740.0	740.6
167.5°	745.0	745.6	746.3	746.9
170°	749.7	750.5	751.2	752.0
172.5°	753.1	753.9	754.6	755.4
175°	755.3	756.1	756.8	757.6
177.5°	756.7	757.6	758.4	759.3
180°	757.6	757.6	757.6	757.6

(END OF REPORT)