

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: P1012992

Luminaire Tested: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012992
REPORT IS A COMBINATION OF REPORTS P995732 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

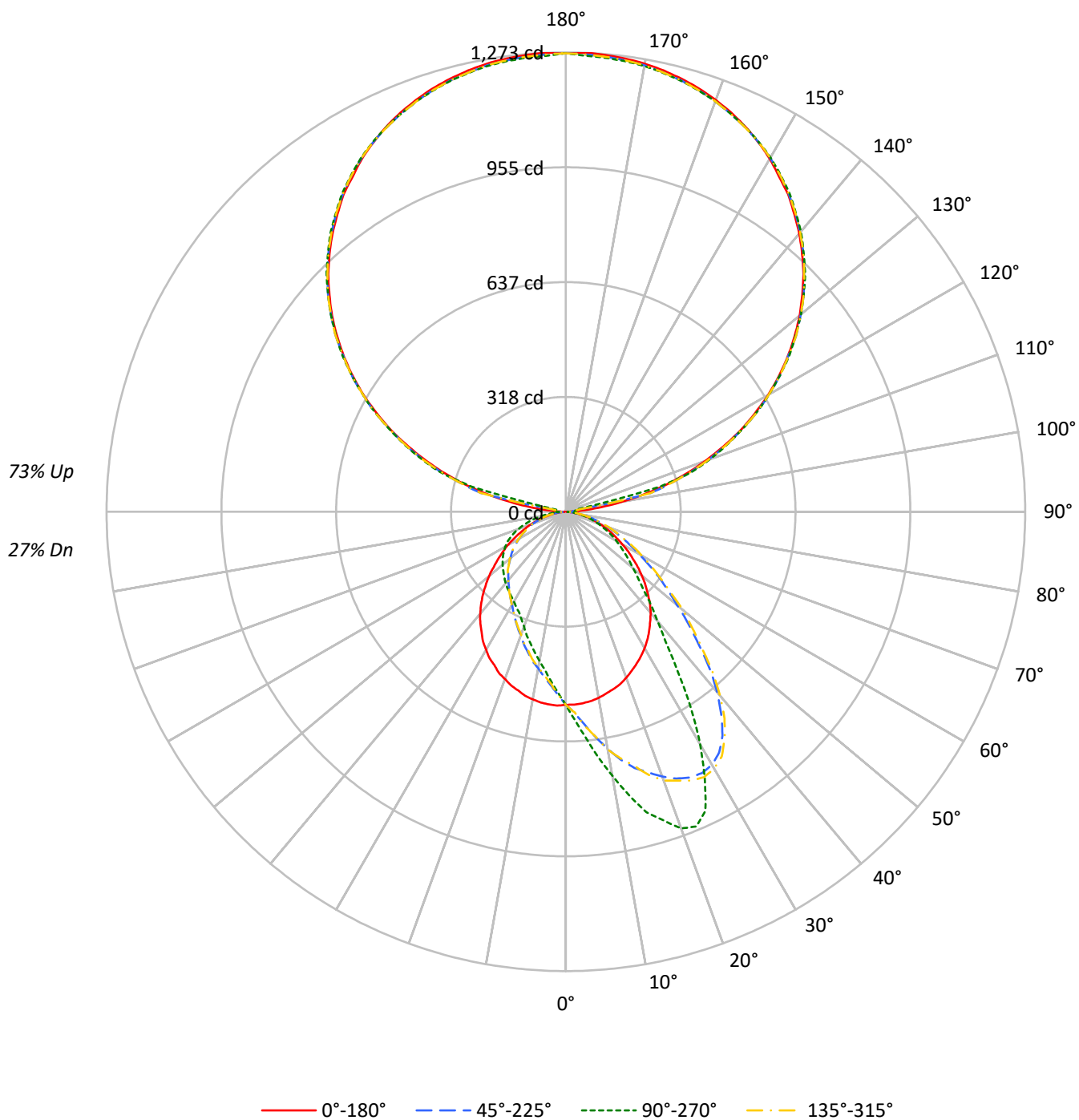
Lumens per Lamp: N/A
Luminaire Lumens: 5410.0 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35			27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30			23
2	85	78	72	67	75	70	65	60	54	51	48	41	38	37	28	26	25			20
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	25	23	22			17
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19			15
5	65	54	46	40	58	48	42	37	38	33	30	29	26	23	20	18	16			13
6	60	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	14			11
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	16	14	13			10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	12			9
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10			8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9			7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4362	4362	4362	4362
5°	4351	5004	4376	3760
10°	4318	5838	4351	3299
15°	4266	6730	4296	2951
20°	4211	7298	4241	2646
25°	4130	7214	4170	2421
30°	4052	5963	4101	2305
35°	3941	4444	3985	2235
40°	3812	3347	3849	2200
45°	3615	2687	3660	2153
50°	3379	2264	3428	2132
55°	3102	1970	3152	2107
60°	2834	1735	2917	2072
65°	2580	1492	2606	1985
70°	2285	1228	2334	1828
75°	1991	943	1980	1552
80°	1567	620	1551	1178
85°	1033	279	968	688

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 5640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.0
10°-20°	160.7	3.0
20°-30°	255.3	4.7
30°-40°	283.6	5.2
40°-50°	257.9	4.8
50°-60°	210.8	3.9
60°-70°	150.5	2.8
70°-80°	82.8	1.5
80°-90°	25.0	0.5
90°-100°	42.2	0.8
100°-110°	277.7	5.1
110°-120°	530.3	9.8
120°-130°	673.3	12.4
130°-140°	720.3	13.3
140°-150°	673.5	12.4
150°-160°	543.1	10.0
160°-170°	350.3	6.5
170°-180°	120.7	2.2
0°-30°	468.0	8.7
0°-40°	751.6	13.9
0°-60°	1220.4	22.6
0°-90°	1478.6	27.3
90°-120°	850.3	15.7
90°-150°	2917.3	53.9
90°-180°	3931.0	72.7
0°-180°	5410.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	535	535	535	535	535	
5°	533	628	536	472	533	51
15°	509	862	512	378	509	144
25°	464	915	469	307	464	214
35°	403	541	407	272	403	252
45°	321	304	325	243	321	248
55°	226	198	230	212	226	203
65°	141	128	142	170	141	139
75°	69	64	69	105	69	73
85°	14	13	13	33	14	17
90°	3	28	3	28	3	4
95°	52	28	52	28	52	64
105°	286	271	286	271	286	299
115°	534	538	534	538	534	526
125°	751	756	751	756	751	670
135°	931	938	931	938	931	718
145°	1074	1080	1074	1080	1074	671
155°	1177	1176	1177	1176	1177	543
165°	1242	1236	1242	1236	1242	351
175°	1270	1263	1270	1263	1270	121
180°	1270	1270	1270	1270	1270	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	534.9	540.2	542.4	544.2	550.0	551.7	552.2	554.8	557.1	557.5	557.5
5°	532.7	541.1	547.7	553.9	563.3	567.2	572.1	577.4	584.5	589.0	591.2
7.5°	529.1	541.5	551.7	562.4	575.2	583.2	587.6	601.8	611.6	619.5	629.3
10°	523.8	539.8	554.4	569.9	588.1	597.8	607.6	624.9	638.6	654.1	666.5
12.5°	515.8	536.7	554.4	576.1	598.7	610.2	621.8	651.9	667.8	681.6	703.7
15°	508.7	529.6	554.8	577.0	604.9	622.2	639.0	658.5	683.8	713.5	734.8
17.5°	500.8	526.9	550.4	581.4	612.4	628.8	642.6	672.7	708.2	737.4	756.9
20°	489.7	516.3	547.3	580.1	616.9	629.7	647.9	688.2	720.1	748.9	780.8
22.5°	476.8	507.9	540.7	572.1	610.2	637.3	657.2	692.7	731.2	764.5	800.3
25°	464.4	498.1	526.9	569.9	610.2	628.4	651.0	693.1	735.2	775.5	812.3
27.5°	451.1	482.6	521.6	555.7	601.4	621.3	645.7	691.8	736.5	776.9	816.3
30°	436.5	470.2	502.5	542.9	587.2	612.9	635.5	685.6	731.2	773.3	810.1
32.5°	420.1	452.0	486.6	524.7	571.2	597.4	625.7	677.1	725.9	762.2	790.6
35°	402.8	435.2	465.3	504.3	552.2	578.3	605.8	662.5	710.8	740.5	756.9
37.5°	383.8	414.4	444.0	482.6	530.5	558.4	586.3	641.3	686.9	711.7	707.3
40°	365.6	393.1	420.6	456.9	507.0	536.7	561.0	616.4	656.3	667.0	652.3
42.5°	344.8	368.3	394.9	432.1	480.8	508.7	539.3	589.8	619.5	615.1	590.3
45°	321.3	342.1	368.7	403.7	453.4	482.2	507.9	555.7	577.4	566.4	521.2
47.5°	298.7	319.1	340.8	375.8	424.1	448.5	474.6	517.6	530.0	506.5	461.3
50°	274.3	291.2	313.8	347.0	392.2	417.9	439.6	474.2	478.6	449.8	402.8
52.5°	250.8	265.0	286.7	319.5	361.6	382.0	403.3	433.9	430.3	400.6	355.4
55°	226.0	239.3	259.2	289.4	326.6	346.1	364.3	391.3	383.8	353.2	313.8
57.5°	205.2	214.5	234.0	261.9	292.5	313.8	329.3	350.5	339.0	308.4	271.7
60°	181.3	192.8	209.2	231.8	261.9	276.1	289.8	304.0	296.0	266.8	234.0
62.5°	159.5	168.4	182.6	204.3	227.8	240.6	255.3	264.1	256.1	229.1	201.6
65°	140.9	148.0	159.1	176.8	199.4	210.1	218.5	226.9	220.3	195.0	175.0
67.5°	120.5	126.7	136.0	150.2	169.3	176.8	184.8	190.6	183.0	166.2	146.7
70°	102.4	106.8	115.7	126.3	139.6	146.7	153.3	159.1	152.4	138.3	123.6
72.5°	83.8	87.3	95.3	102.8	114.8	119.7	124.5	129.0	126.7	113.4	101.5
75°	69.1	70.5	75.8	82.0	89.5	94.8	98.4	101.0	99.3	88.6	81.1
77.5°	52.3	54.1	58.1	62.9	69.6	72.7	74.9	77.6	75.3	66.9	61.6
80°	38.1	38.6	40.8	45.2	49.6	50.1	52.3	55.8	54.5	48.7	44.8
82.5°	24.4	25.7	26.6	29.2	32.4	33.2	34.6	35.5	35.0	31.5	30.1
85°	14.2	14.2	15.1	16.8	17.7	19.1	19.5	19.9	20.8	18.6	17.3
87.5°	6.2	6.6	6.6	7.1	8.0	8.0	8.4	8.9	9.3	8.9	7.5
90°	2.9	5.2	7.5	9.8	12.1	13.3	14.1	15.8	17.5	19.2	20.9
92.5°	14.3	13.9	13.5	13.0	12.6	12.4	13.2	14.9	16.6	18.3	20.0
95°	52.3	45.1	37.9	30.8	23.6	20.0	20.1	20.3	20.5	20.7	20.9
97.5°	99.8	104.4	109.1	113.7	118.4	120.7	109.6	87.4	65.3	43.1	20.9
100°	155.8	159.6	163.4	167.2	171.0	172.9	158.3	129.2	100.1	70.9	41.8
102.5°	218.6	221.1	223.7	226.2	228.7	230.0	231.3	233.8	236.3	238.9	241.4
105°	286.0	287.3	288.5	289.8	291.1	291.7	292.2	293.3	294.4	295.4	296.5
107.5°	347.8	348.4	349.0	349.7	350.3	350.6	351.3	352.8	354.3	355.8	357.3
110°	410.5	411.1	411.8	412.4	413.1	413.4	414.0	415.3	416.6	417.8	419.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	471.3	472.6	473.8	475.1	476.4	477.0	477.2	477.6	478.1	478.5	478.9
115°	534.0	534.6	535.3	535.9	536.6	536.9	536.8	536.6	536.3	536.1	535.9
117.5°	590.1	590.9	591.8	592.6	593.5	593.9	594.2	594.9	595.5	596.2	596.8
120°	647.1	647.9	648.8	649.6	650.5	650.9	650.8	650.6	650.4	650.2	650.0
122.5°	700.3	700.7	701.1	701.6	702.0	702.2	702.4	702.8	703.3	703.7	704.1
125°	750.7	751.5	752.4	753.2	754.1	754.5	754.3	753.9	753.4	753.0	752.6
127.5°	799.2	799.4	799.6	799.8	800.0	800.1	800.6	801.7	802.8	803.8	804.9
130°	845.7	845.9	846.1	846.4	846.6	846.7	847.0	847.6	848.3	848.9	849.5
132.5°	888.5	888.9	889.3	889.8	890.2	890.4	890.8	891.7	892.5	893.4	894.2
135°	931.3	931.1	930.9	930.6	930.4	930.3	930.7	931.6	932.4	933.3	934.1
137.5°	969.3	969.3	969.3	969.3	969.3	969.3	969.8	970.9	971.9	973.0	974.0
140°	1006.3	1006.7	1007.1	1007.6	1008.0	1008.2	1008.4	1008.8	1009.3	1009.7	1010.1
142.5°	1039.6	1040.4	1041.3	1042.1	1043.0	1043.4	1043.5	1043.7	1043.9	1044.1	1044.3
145°	1073.8	1074.4	1075.0	1075.7	1076.3	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6
147.5°	1100.4	1101.7	1102.9	1104.2	1105.5	1106.1	1106.0	1105.8	1105.6	1105.4	1105.2
150°	1129.9	1130.7	1131.6	1132.4	1133.3	1133.7	1133.6	1133.4	1133.1	1132.9	1132.7
152.5°	1154.6	1155.2	1155.8	1156.5	1157.1	1157.4	1157.2	1156.8	1156.3	1155.9	1155.5
155°	1177.4	1177.6	1177.8	1178.0	1178.2	1178.3	1178.0	1177.4	1176.7	1176.1	1175.5
157.5°	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1196.9	1196.0	1195.2	1194.3	1193.5
160°	1214.4	1213.8	1213.2	1212.5	1211.9	1211.6	1211.5	1211.3	1211.0	1210.8	1210.6
162.5°	1229.6	1228.8	1227.9	1227.1	1226.2	1225.8	1225.7	1225.5	1225.3	1225.1	1224.9
165°	1242.0	1240.9	1239.9	1238.8	1237.7	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2
167.5°	1252.4	1251.4	1250.3	1249.3	1248.2	1247.7	1247.6	1247.4	1247.1	1246.9	1246.7
170°	1261.0	1259.7	1258.5	1257.2	1255.9	1255.3	1255.4	1255.6	1255.8	1256.0	1256.2
172.5°	1266.7	1265.4	1264.2	1262.9	1261.6	1261.0	1261.1	1261.3	1261.5	1261.7	1261.9
175°	1270.5	1269.2	1268.0	1266.7	1265.4	1264.8	1264.9	1265.1	1265.3	1265.5	1265.7
177.5°	1273.4	1271.9	1270.4	1268.9	1267.4	1266.7	1266.9	1267.3	1267.8	1268.2	1268.6
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	558.8	566.8	570.3	571.2	576.1	573.0	574.3	573.9	577.4	577.9	577.9
5°	599.6	608.9	612.0	616.4	623.1	624.9	623.5	626.2	631.1	627.5	632.8
7.5°	642.6	652.8	659.9	669.6	671.8	677.6	681.1	684.2	685.1	685.6	686.5
10°	682.5	695.3	705.1	721.5	725.0	728.1	743.6	737.4	745.4	742.7	743.6
12.5°	714.8	740.1	748.1	775.5	778.2	788.8	787.9	797.7	799.5	803.0	799.5
15°	757.4	786.6	799.5	815.0	823.8	836.2	838.5	851.8	857.1	861.9	857.1
17.5°	796.4	811.9	844.7	857.1	862.8	869.5	886.3	891.2	899.2	896.1	904.9
20°	815.9	838.0	872.6	893.9	902.7	908.9	923.1	930.6	933.7	933.7	934.6
22.5°	833.1	865.0	890.8	915.1	923.1	927.5	936.0	941.7	943.0	943.9	944.8
25°	848.7	877.5	898.3	912.0	915.1	915.1	920.0	916.5	910.7	915.1	917.8
27.5°	848.7	869.0	878.3	883.2	883.2	871.3	864.2	849.5	837.1	833.6	841.6
30°	834.5	843.8	830.9	819.0	809.7	801.7	773.8	751.6	747.2	744.1	756.0
32.5°	801.7	789.7	764.5	729.9	716.1	698.0	676.3	659.4	649.2	645.7	643.0
35°	743.6	712.6	679.8	633.3	623.5	600.5	570.8	558.4	541.5	541.1	546.9
37.5°	680.2	632.4	596.9	552.6	538.9	514.5	486.6	473.7	462.2	453.4	464.0
40°	606.2	564.6	510.5	474.2	454.7	441.8	418.3	404.2	398.8	394.4	401.1
42.5°	537.1	491.5	449.4	412.1	396.2	381.6	366.0	352.3	348.3	347.9	352.8
45°	468.4	423.7	384.7	352.8	342.6	333.7	318.6	314.6	308.0	303.6	305.8
47.5°	413.5	367.4	335.0	310.7	301.8	294.3	284.5	277.9	272.1	270.3	273.0
50°	359.4	328.4	295.1	274.8	268.1	261.0	253.5	247.3	244.6	242.9	244.6
52.5°	316.0	282.7	260.1	243.7	237.1	231.8	226.5	223.8	220.3	221.1	222.9
55°	277.0	247.7	228.7	216.7	212.7	210.5	203.9	200.8	199.4	198.5	199.4
57.5°	240.2	218.9	204.7	194.5	189.2	187.9	182.6	182.6	181.3	179.9	180.4
60°	210.9	192.8	179.0	171.1	170.2	168.0	164.4	164.0	160.9	162.2	162.6
62.5°	181.3	166.6	157.3	152.4	149.3	148.5	146.2	145.8	144.5	144.9	144.0
65°	157.8	145.8	136.5	132.5	131.2	130.7	129.0	127.6	126.7	127.6	126.7
67.5°	134.3	126.3	119.2	115.2	113.4	113.0	111.7	110.8	111.2	109.9	110.8
70°	112.1	104.1	99.7	97.5	96.6	95.3	95.3	95.3	95.3	94.4	93.9
72.5°	94.4	86.4	83.3	82.0	81.1	80.7	79.3	79.8	79.3	78.9	80.7
75°	74.9	70.0	66.9	65.6	66.5	65.1	63.8	64.7	63.4	63.8	65.6
77.5°	56.7	54.5	52.7	51.8	51.0	50.1	50.1	49.2	49.2	49.2	49.2
80°	41.2	40.8	37.7	37.2	37.2	36.3	36.3	36.3	36.3	35.9	36.3
82.5°	27.5	27.0	26.1	25.7	24.8	25.3	25.3	24.4	24.4	23.9	24.4
85°	16.0	16.0	15.1	14.6	14.2	14.6	13.7	13.3	13.7	13.3	13.7
87.5°	7.5	6.6	7.1	6.6	5.8	6.2	5.3	5.8	5.3	4.9	5.8
90°	22.2	23.4	24.7	26.0	26.6	26.8	27.2	27.7	28.1	28.5	28.1
92.5°	21.3	22.5	23.8	25.1	25.7	25.7	25.7	25.7	25.7	25.7	25.7
95°	22.2	23.4	24.7	26.0	26.6	26.7	26.9	27.2	27.4	27.6	27.4
97.5°	22.0	23.0	24.1	25.2	25.7	25.8	26.0	26.2	26.4	26.6	26.4
100°	38.2	34.6	31.1	27.5	25.7	25.8	26.0	26.2	26.4	26.6	26.4
102.5°	193.9	146.4	98.9	51.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6
105°	298.4	300.3	302.2	304.1	305.0	301.2	293.6	286.0	278.4	270.8	278.4
107.5°	358.3	359.4	360.4	361.5	362.0	362.4	363.3	364.2	365.0	365.9	365.0
110°	419.5	419.9	420.4	420.8	421.0	421.3	421.9	422.6	423.2	423.8	423.2

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	478.7	478.5	478.3	478.1	478.0	478.4	479.3	480.1	481.0	481.8	481.0
115°	536.3	536.7	537.2	537.6	537.8	537.8	537.8	537.8	537.8	537.8	537.8
117.5°	596.6	596.4	596.1	595.9	595.8	595.8	595.8	595.8	595.8	595.8	595.8
120°	650.4	650.8	651.3	651.7	651.9	651.7	651.3	650.8	650.4	650.0	650.4
122.5°	704.3	704.5	704.8	705.0	705.1	704.9	704.5	704.0	703.6	703.2	703.6
125°	753.2	753.9	754.5	755.2	755.5	755.6	755.8	756.0	756.2	756.4	756.2
127.5°	804.7	804.5	804.2	804.0	803.9	803.8	803.6	803.4	803.2	803.0	803.2
130°	849.7	849.9	850.2	850.4	850.5	850.5	850.5	850.5	850.5	850.5	850.5
132.5°	894.4	894.6	894.8	895.0	895.1	895.0	894.8	894.6	894.4	894.2	894.4
135°	934.5	934.9	935.4	935.8	936.0	936.2	936.6	937.1	937.5	937.9	937.5
137.5°	974.4	974.8	975.3	975.7	975.9	975.8	975.6	975.4	975.2	975.0	975.2
140°	1010.7	1011.4	1012.0	1012.7	1013.0	1013.1	1013.3	1013.5	1013.7	1013.9	1013.7
142.5°	1044.7	1045.1	1045.6	1046.0	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2
145°	1076.8	1077.0	1077.3	1077.5	1077.6	1077.8	1078.2	1078.7	1079.1	1079.5	1079.1
147.5°	1105.4	1105.6	1105.8	1106.0	1106.1	1106.2	1106.4	1106.7	1106.9	1107.1	1106.9
150°	1132.7	1132.7	1132.7	1132.7	1132.7	1132.8	1133.0	1133.3	1133.5	1133.7	1133.5
152.5°	1155.9	1156.3	1156.8	1157.2	1157.4	1157.3	1157.1	1156.9	1156.7	1156.5	1156.7
155°	1176.3	1177.2	1178.0	1178.9	1179.3	1179.0	1178.3	1177.7	1177.0	1176.4	1177.0
157.5°	1194.6	1195.6	1196.7	1197.8	1198.3	1197.8	1196.7	1195.6	1194.6	1193.5	1194.6
160°	1211.9	1213.1	1214.4	1215.7	1216.3	1215.7	1214.4	1213.1	1211.9	1210.6	1211.9
162.5°	1226.2	1227.4	1228.7	1230.0	1230.6	1229.9	1228.4	1226.9	1225.4	1223.9	1225.4
165°	1238.9	1240.6	1242.3	1244.0	1244.8	1243.9	1242.0	1240.1	1238.2	1236.3	1238.2
167.5°	1248.6	1250.5	1252.4	1254.3	1255.3	1254.2	1252.1	1250.0	1247.9	1245.8	1247.9
170°	1257.9	1259.6	1261.3	1263.0	1263.8	1262.7	1260.6	1258.5	1256.4	1254.3	1256.4
172.5°	1263.6	1265.3	1267.0	1268.7	1269.6	1268.4	1266.1	1263.8	1261.4	1259.1	1261.4
175°	1267.6	1269.5	1271.4	1273.3	1274.3	1273.0	1270.5	1268.0	1265.4	1262.9	1265.4
177.5°	1270.3	1272.0	1273.7	1275.4	1276.2	1274.9	1272.4	1269.9	1267.3	1264.8	1267.3
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	577.0	575.7	573.9	573.9	571.7	571.7	568.1	561.9	556.6	554.8	555.7
5°	626.2	626.6	624.0	621.8	617.8	614.7	608.9	597.8	594.3	587.2	582.3
7.5°	682.5	680.7	675.8	672.3	671.4	664.3	651.9	638.6	628.0	620.9	610.7
10°	745.8	738.7	731.7	729.4	724.1	712.2	698.0	683.4	668.7	653.2	635.9
12.5°	799.0	785.3	784.8	779.5	769.3	762.7	745.8	725.0	699.7	682.5	663.0
15°	856.2	843.3	832.7	822.9	818.1	798.6	784.4	758.2	728.1	709.5	696.2
17.5°	897.0	891.2	873.0	868.6	861.9	839.3	816.7	791.0	764.9	738.7	702.9
20°	929.7	926.2	914.2	908.0	897.4	879.7	852.2	822.5	792.4	755.1	721.5
22.5°	943.9	939.5	929.7	924.4	917.8	902.7	879.2	845.5	806.1	772.9	737.0
25°	916.0	924.0	921.3	919.1	916.5	907.6	889.9	860.2	821.6	783.9	739.2
27.5°	853.1	866.8	880.1	881.9	886.3	889.9	882.8	861.5	829.2	789.3	740.1
30°	768.4	774.6	801.7	809.7	815.9	838.5	851.8	846.4	821.6	785.7	740.5
32.5°	659.9	676.3	703.7	722.8	739.6	764.9	799.5	813.2	804.3	775.1	730.3
35°	557.1	576.6	608.5	632.8	649.7	685.6	726.3	756.0	767.1	752.5	712.6
37.5°	472.9	496.3	524.7	534.0	553.5	597.8	654.1	695.3	722.3	723.7	692.7
40°	409.5	421.4	444.0	458.2	477.3	514.5	569.5	624.0	664.7	678.5	662.1
42.5°	355.9	365.2	382.0	399.3	416.6	444.9	495.5	546.4	601.4	628.8	628.4
45°	313.3	323.1	334.6	348.8	360.7	391.3	431.2	483.5	530.9	573.4	584.1
47.5°	276.1	284.5	298.7	304.9	312.9	341.7	376.2	425.0	474.2	522.9	535.3
50°	248.6	255.7	265.5	269.4	278.3	299.6	327.9	367.4	421.9	466.6	489.7
52.5°	223.8	229.1	236.6	239.7	246.0	261.9	287.6	318.6	363.8	409.9	442.3
55°	202.5	206.1	211.4	214.9	219.4	233.5	252.6	280.5	319.5	359.4	390.9
57.5°	182.6	185.2	190.6	192.3	195.9	207.0	220.3	243.7	279.6	315.1	345.7
60°	164.0	165.7	168.8	172.8	175.5	183.0	195.4	214.9	243.7	276.1	300.9
62.5°	146.2	148.9	149.8	151.6	153.8	160.9	170.6	184.8	210.1	236.6	262.8
65°	128.1	130.3	132.1	132.5	134.7	140.0	148.9	161.3	177.7	200.8	225.1
67.5°	111.2	112.6	113.4	115.2	117.4	120.1	127.2	136.5	151.6	170.2	189.7
70°	95.7	95.7	97.1	97.5	100.2	103.3	106.4	115.2	128.5	143.6	156.9
72.5°	78.9	81.1	80.7	82.9	82.4	84.6	88.6	94.4	104.1	116.1	129.0
75°	64.3	65.6	65.6	65.6	66.5	68.2	70.5	75.8	83.3	93.1	100.6
77.5°	50.1	51.0	51.0	51.0	51.4	53.2	55.4	58.9	64.3	70.0	74.5
80°	35.9	36.8	36.8	37.7	37.7	38.1	40.3	42.1	44.8	49.2	53.6
82.5°	24.4	24.8	25.7	25.7	25.3	26.1	26.6	28.4	31.0	31.9	35.0
85°	13.3	13.7	14.2	14.2	14.6	15.5	15.1	16.8	16.8	18.6	19.5
87.5°	5.3	6.2	6.2	5.8	6.2	6.2	6.2	7.1	7.5	8.0	7.5
90°	27.7	27.2	26.8	26.6	26.0	24.7	23.4	22.2	20.9	19.2	17.5
92.5°	25.7	25.7	25.7	25.7	25.1	23.8	22.5	21.3	20.0	18.3	16.6
95°	27.2	26.9	26.7	26.6	26.0	24.7	23.4	22.2	20.9	20.7	20.5
97.5°	26.2	26.0	25.8	25.7	25.2	24.1	23.0	22.0	20.9	43.1	65.3
100°	26.2	26.0	25.8	25.7	27.5	31.1	34.6	38.2	41.8	70.9	100.1
102.5°	27.6	27.6	27.6	27.6	51.4	98.9	146.4	193.9	241.4	238.9	236.3
105°	286.0	293.6	301.2	305.0	304.1	302.2	300.3	298.4	296.5	295.4	294.4
107.5°	364.2	363.3	362.4	362.0	361.5	360.4	359.4	358.3	357.3	355.8	354.3
110°	422.6	421.9	421.3	421.0	420.8	420.4	419.9	419.5	419.1	417.8	416.6

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	480.1	479.3	478.4	478.0	478.1	478.3	478.5	478.7	478.9	478.5	478.1
115°	537.8	537.8	537.8	537.8	537.6	537.2	536.7	536.3	535.9	536.1	536.3
117.5°	595.8	595.8	595.8	595.8	595.9	596.1	596.4	596.6	596.8	596.2	595.5
120°	650.8	651.3	651.7	651.9	651.7	651.3	650.8	650.4	650.0	650.2	650.4
122.5°	704.0	704.5	704.9	705.1	705.0	704.8	704.5	704.3	704.1	703.7	703.3
125°	756.0	755.8	755.6	755.5	755.2	754.5	753.9	753.2	752.6	753.0	753.4
127.5°	803.4	803.6	803.8	803.9	804.0	804.2	804.5	804.7	804.9	803.8	802.8
130°	850.5	850.5	850.5	850.5	850.4	850.2	849.9	849.7	849.5	848.9	848.3
132.5°	894.6	894.8	895.0	895.1	895.0	894.8	894.6	894.4	894.2	893.4	892.5
135°	937.1	936.6	936.2	936.0	935.8	935.4	934.9	934.5	934.1	933.3	932.4
137.5°	975.4	975.6	975.8	975.9	975.7	975.3	974.8	974.4	974.0	973.0	971.9
140°	1013.5	1013.3	1013.1	1013.0	1012.7	1012.0	1011.4	1010.7	1010.1	1009.7	1009.3
142.5°	1046.2	1046.2	1046.2	1046.2	1046.0	1045.6	1045.1	1044.7	1044.3	1044.1	1043.9
145°	1078.7	1078.2	1077.8	1077.6	1077.5	1077.3	1077.0	1076.8	1076.6	1076.6	1076.6
147.5°	1106.7	1106.4	1106.2	1106.1	1106.0	1105.8	1105.6	1105.4	1105.2	1105.4	1105.6
150°	1133.3	1133.0	1132.8	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.9	1133.1
152.5°	1156.9	1157.1	1157.3	1157.4	1157.2	1156.8	1156.3	1155.9	1155.5	1155.9	1156.3
155°	1177.7	1178.3	1179.0	1179.3	1178.9	1178.0	1177.2	1176.3	1175.5	1176.1	1176.7
157.5°	1195.6	1196.7	1197.8	1198.3	1197.8	1196.7	1195.6	1194.6	1193.5	1194.3	1195.2
160°	1213.1	1214.4	1215.7	1216.3	1215.7	1214.4	1213.1	1211.9	1210.6	1210.8	1211.0
162.5°	1226.9	1228.4	1229.9	1230.6	1230.0	1228.7	1227.4	1226.2	1224.9	1225.1	1225.3
165°	1240.1	1242.0	1243.9	1244.8	1244.0	1242.3	1240.6	1238.9	1237.2	1237.2	1237.2
167.5°	1250.0	1252.1	1254.2	1255.3	1254.3	1252.4	1250.5	1248.6	1246.7	1246.9	1247.1
170°	1258.5	1260.6	1262.7	1263.8	1263.0	1261.3	1259.6	1257.9	1256.2	1256.0	1255.8
172.5°	1263.8	1266.1	1268.4	1269.6	1268.7	1267.0	1265.3	1263.6	1261.9	1261.7	1261.5
175°	1268.0	1270.5	1273.0	1274.3	1273.3	1271.4	1269.5	1267.6	1265.7	1265.5	1265.3
177.5°	1269.9	1272.4	1274.9	1276.2	1275.4	1273.7	1272.0	1270.3	1268.6	1268.2	1267.8
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	551.7	550.0	548.6	548.6	544.6	540.7	538.4	537.6	536.7	533.1	528.2
5°	574.3	568.6	564.6	560.6	553.9	546.9	539.8	535.8	530.0	522.0	516.3
7.5°	599.6	585.9	581.4	576.6	563.3	551.3	541.5	533.1	523.8	513.6	503.4
10°	620.9	606.2	596.5	588.1	570.8	554.8	540.2	527.8	515.8	502.5	490.1
12.5°	641.3	620.4	610.2	597.8	579.7	556.6	537.6	522.0	504.3	490.6	475.5
15°	669.6	634.6	617.8	609.8	585.4	558.4	535.3	512.3	497.7	476.8	463.5
17.5°	674.0	645.7	634.6	614.2	585.0	554.4	527.8	504.8	482.6	464.0	446.7
20°	689.6	652.3	634.6	621.8	583.2	552.2	522.9	493.2	472.0	452.0	432.5
22.5°	699.3	657.2	638.6	618.2	581.4	544.2	509.6	483.9	457.8	437.4	421.9
25°	696.6	654.5	633.7	614.7	569.9	532.7	501.7	468.9	444.5	422.3	401.9
27.5°	695.3	647.9	625.7	604.5	562.4	523.4	484.4	457.8	430.8	405.0	390.0
30°	691.8	639.5	613.8	590.7	546.9	506.1	472.9	441.8	414.8	391.3	371.4
32.5°	679.8	625.3	600.5	575.7	530.0	489.2	455.6	426.8	399.7	375.4	356.3
35°	663.9	608.5	581.4	555.3	509.6	468.4	437.4	407.3	382.0	358.5	340.3
37.5°	647.9	589.0	563.7	533.6	491.5	448.5	416.6	389.5	366.0	341.7	321.7
40°	624.9	565.9	538.0	512.3	463.1	422.8	393.5	369.2	346.1	323.1	306.2
42.5°	593.4	540.7	511.8	483.5	437.4	397.5	369.2	347.4	325.7	306.7	288.1
45°	561.5	510.1	484.4	459.1	409.0	371.4	345.2	325.3	307.1	286.3	271.2
47.5°	522.9	479.5	453.8	429.0	381.6	343.9	320.0	301.3	284.5	267.2	253.0
50°	483.5	445.8	422.3	396.6	351.4	317.3	293.8	278.3	264.6	248.2	236.6
52.5°	440.9	408.1	388.2	363.4	323.5	292.0	268.1	252.6	241.1	229.1	218.9
55°	395.7	371.8	350.5	330.6	292.9	264.6	243.3	229.6	221.6	210.5	201.6
57.5°	355.0	331.9	319.1	296.5	263.7	235.8	218.9	207.4	198.1	191.4	184.4
60°	312.4	293.8	279.6	263.2	234.4	210.9	193.2	186.6	176.8	171.9	168.8
62.5°	271.7	258.4	245.1	232.7	207.0	184.8	171.5	163.1	157.3	152.4	149.8
65°	233.1	220.7	211.4	200.3	179.0	161.3	148.9	142.3	136.5	135.2	132.1
67.5°	195.4	190.1	179.9	171.1	152.9	139.2	129.8	121.4	118.3	117.0	114.3
70°	163.5	157.3	149.3	141.8	128.1	116.1	107.7	104.6	100.2	99.7	96.6
72.5°	134.7	127.2	121.4	115.7	105.5	94.8	90.4	86.0	83.8	82.0	80.7
75°	106.8	101.5	97.5	92.6	83.8	76.7	70.5	68.7	67.4	66.9	66.0
77.5°	79.8	76.2	74.5	69.6	63.4	57.2	54.5	51.8	51.8	51.0	51.4
80°	56.7	54.5	52.3	49.6	44.3	41.7	39.4	37.7	36.8	36.3	36.8
82.5°	35.9	34.6	34.1	32.4	28.8	27.5	25.7	24.4	24.4	24.4	24.4
85°	19.9	19.9	19.9	17.3	16.0	14.6	13.7	13.3	13.3	13.3	13.7
87.5°	8.4	8.4	7.1	7.1	6.6	5.8	5.3	5.3	5.8	5.8	6.2
90°	15.8	14.1	13.3	12.1	9.8	7.5	5.2	2.9	5.2	7.5	9.8
92.5°	14.9	13.2	12.4	12.6	13.0	13.5	13.9	14.3	13.9	13.5	13.0
95°	20.3	20.1	20.0	23.6	30.8	37.9	45.1	52.3	45.1	37.9	30.8
97.5°	87.4	109.6	120.7	118.4	113.7	109.1	104.4	99.8	104.4	109.1	113.7
100°	129.2	158.3	172.9	171.0	167.2	163.4	159.6	155.8	159.6	163.4	167.2
102.5°	233.8	231.3	230.0	228.7	226.2	223.7	221.1	218.6	221.1	223.7	226.2
105°	293.3	292.2	291.7	291.1	289.8	288.5	287.3	286.0	287.3	288.5	289.8
107.5°	352.8	351.3	350.6	350.3	349.7	349.0	348.4	347.8	348.4	349.0	349.7
110°	415.3	414.0	413.4	413.1	412.4	411.8	411.1	410.5	411.1	411.8	412.4

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	477.6	477.2	477.0	476.4	475.1	473.8	472.6	471.3	472.6	473.8	475.1
115°	536.6	536.8	536.9	536.6	535.9	535.3	534.6	534.0	534.6	535.3	535.9
117.5°	594.9	594.2	593.9	593.5	592.6	591.8	590.9	590.1	590.9	591.8	592.6
120°	650.6	650.8	650.9	650.5	649.6	648.8	647.9	647.1	647.9	648.8	649.6
122.5°	702.8	702.4	702.2	702.0	701.6	701.1	700.7	700.3	700.7	701.1	701.6
125°	753.9	754.3	754.5	754.1	753.2	752.4	751.5	750.7	751.5	752.4	753.2
127.5°	801.7	800.6	800.1	800.0	799.8	799.6	799.4	799.2	799.4	799.6	799.8
130°	847.6	847.0	846.7	846.6	846.4	846.1	845.9	845.7	845.9	846.1	846.4
132.5°	891.7	890.8	890.4	890.2	889.8	889.3	888.9	888.5	888.9	889.3	889.8
135°	931.6	930.7	930.3	930.4	930.6	930.9	931.1	931.3	931.1	930.9	930.6
137.5°	970.9	969.8	969.3	969.3	969.3	969.3	969.3	969.3	969.3	969.3	969.3
140°	1008.8	1008.4	1008.2	1008.0	1007.6	1007.1	1006.7	1006.3	1006.7	1007.1	1007.6
142.5°	1043.7	1043.5	1043.4	1043.0	1042.1	1041.3	1040.4	1039.6	1040.4	1041.3	1042.1
145°	1076.6	1076.6	1076.6	1076.3	1075.7	1075.0	1074.4	1073.8	1074.4	1075.0	1075.7
147.5°	1105.8	1106.0	1106.1	1105.5	1104.2	1102.9	1101.7	1100.4	1101.7	1102.9	1104.2
150°	1133.4	1133.6	1133.7	1133.3	1132.4	1131.6	1130.7	1129.9	1130.7	1131.6	1132.4
152.5°	1156.8	1157.2	1157.4	1157.1	1156.5	1155.8	1155.2	1154.6	1155.2	1155.8	1156.5
155°	1177.4	1178.0	1178.3	1178.2	1178.0	1177.8	1177.6	1177.4	1177.6	1177.8	1178.0
157.5°	1196.0	1196.9	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3
160°	1211.3	1211.5	1211.6	1211.9	1212.5	1213.2	1213.8	1214.4	1213.8	1213.2	1212.5
162.5°	1225.5	1225.7	1225.8	1226.2	1227.1	1227.9	1228.8	1229.6	1228.8	1227.9	1227.1
165°	1237.2	1237.2	1237.2	1237.7	1238.8	1239.9	1240.9	1242.0	1240.9	1239.9	1238.8
167.5°	1247.4	1247.6	1247.7	1248.2	1249.3	1250.3	1251.4	1252.4	1251.4	1250.3	1249.3
170°	1255.6	1255.4	1255.3	1255.9	1257.2	1258.5	1259.7	1261.0	1259.7	1258.5	1257.2
172.5°	1261.3	1261.1	1261.0	1261.6	1262.9	1264.2	1265.4	1266.7	1265.4	1264.2	1262.9
175°	1265.1	1264.9	1264.8	1265.4	1266.7	1268.0	1269.2	1270.5	1269.2	1268.0	1266.7
177.5°	1267.3	1266.9	1266.7	1267.4	1268.9	1270.4	1271.9	1273.4	1271.9	1270.4	1268.9
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	526.9	525.1	526.0	521.6	517.6	511.8	507.0	506.1	505.2	507.9	506.1
5°	511.8	509.6	507.4	502.1	494.1	489.2	482.2	481.7	479.1	475.1	476.0
7.5°	495.5	494.1	491.0	482.6	475.5	467.1	461.3	456.5	454.2	450.7	449.4
10°	482.2	477.3	474.6	465.3	456.9	448.0	440.5	437.0	433.0	429.9	427.6
12.5°	464.0	462.7	455.1	447.6	440.5	430.3	424.5	414.4	409.0	411.7	410.8
15°	452.0	445.8	444.0	433.4	421.4	414.8	404.2	397.5	395.3	391.3	386.4
17.5°	436.1	432.1	425.9	416.1	402.4	393.1	385.5	379.3	376.7	371.4	367.4
20°	421.0	414.4	409.5	400.6	387.3	375.4	366.0	362.1	355.4	351.0	348.8
22.5°	407.3	402.4	395.3	382.0	370.5	359.0	347.9	342.1	335.9	333.3	329.7
25°	390.4	382.4	377.6	362.9	350.5	341.2	331.0	323.5	320.0	315.5	314.6
27.5°	374.0	366.5	360.7	347.9	332.8	320.8	314.6	309.3	303.1	303.1	300.9
30°	357.6	352.3	343.4	331.0	316.9	305.3	298.2	293.4	291.2	289.4	288.9
32.5°	341.2	334.1	328.8	312.0	301.3	290.7	285.4	281.4	278.7	278.3	278.7
35°	324.4	316.4	311.1	296.0	285.4	275.6	273.4	269.9	268.6	268.1	270.3
37.5°	306.7	300.5	293.8	281.4	269.4	263.7	259.2	257.9	257.5	260.1	261.0
40°	290.3	285.0	278.7	265.5	256.6	250.4	248.2	246.8	248.6	251.3	252.6
42.5°	274.8	267.2	262.4	250.4	242.4	238.9	236.2	236.2	238.0	241.1	243.3
45°	258.4	252.6	247.7	237.1	230.0	226.0	225.6	226.0	228.2	230.4	233.1
47.5°	242.4	236.6	231.3	222.5	216.3	214.0	213.6	214.0	217.6	220.7	223.8
50°	227.8	221.6	216.7	208.3	203.4	200.8	201.2	203.4	206.1	210.5	214.5
52.5°	210.5	206.1	201.6	194.1	189.7	187.9	189.2	191.0	195.9	199.0	203.9
55°	193.7	189.7	186.1	180.4	176.8	175.5	176.4	179.0	183.0	188.3	194.1
57.5°	178.2	173.7	170.2	166.2	162.2	162.6	163.1	166.6	171.5	176.4	183.0
60°	160.9	158.2	155.1	150.2	148.5	148.5	149.8	153.8	158.2	166.2	171.9
62.5°	145.4	141.8	139.6	136.5	133.8	134.3	137.4	140.9	146.2	152.9	160.4
65°	129.4	125.4	123.6	121.0	120.1	120.5	122.8	128.1	133.8	139.6	146.7
67.5°	111.7	110.3	108.6	105.9	106.8	107.2	109.5	113.9	120.1	125.9	133.8
70°	96.6	93.9	93.5	91.3	91.3	92.6	97.1	100.2	105.9	112.1	120.5
72.5°	80.7	78.4	78.4	76.7	78.0	79.3	81.5	86.0	91.3	97.5	104.6
75°	64.3	63.4	64.3	63.4	63.4	65.6	68.2	71.8	77.6	84.2	90.0
77.5°	49.6	49.6	49.2	50.5	50.5	51.8	55.4	58.9	63.4	68.7	74.9
80°	36.3	36.3	36.3	37.7	39.0	39.0	41.2	45.6	49.6	53.2	58.9
82.5°	24.8	24.8	24.8	25.7	27.5	27.5	30.1	32.8	37.2	40.3	43.0
85°	15.1	15.1	14.6	15.5	16.0	17.3	19.5	21.3	23.5	26.1	28.8
87.5°	6.6	6.6	7.1	7.5	8.0	8.9	9.7	10.6	12.9	13.7	15.1
90°	12.1	13.3	14.1	15.8	17.5	19.2	20.9	22.2	23.4	24.7	26.0
92.5°	12.6	12.4	13.2	14.9	16.6	18.3	20.0	21.3	22.5	23.8	25.1
95°	23.6	20.0	20.1	20.3	20.5	20.7	20.9	22.2	23.4	24.7	26.0
97.5°	118.4	120.7	109.6	87.4	65.3	43.1	20.9	22.0	23.0	24.1	25.2
100°	171.0	172.9	158.3	129.2	100.1	70.9	41.8	38.2	34.6	31.1	27.5
102.5°	228.7	230.0	231.3	233.8	236.3	238.9	241.4	193.9	146.4	98.9	51.4
105°	291.1	291.7	292.2	293.3	294.4	295.4	296.5	298.4	300.3	302.2	304.1
107.5°	350.3	350.6	351.3	352.8	354.3	355.8	357.3	358.3	359.4	360.4	361.5
110°	413.1	413.4	414.0	415.3	416.6	417.8	419.1	419.5	419.9	420.4	420.8

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	476.4	477.0	477.2	477.6	478.1	478.5	478.9	478.7	478.5	478.3	478.1
115°	536.6	536.9	536.8	536.6	536.3	536.1	535.9	536.3	536.7	537.2	537.6
117.5°	593.5	593.9	594.2	594.9	595.5	596.2	596.8	596.6	596.4	596.1	595.9
120°	650.5	650.9	650.8	650.6	650.4	650.2	650.0	650.4	650.8	651.3	651.7
122.5°	702.0	702.2	702.4	702.8	703.3	703.7	704.1	704.3	704.5	704.8	705.0
125°	754.1	754.5	754.3	753.9	753.4	753.0	752.6	753.2	753.9	754.5	755.2
127.5°	800.0	800.1	800.6	801.7	802.8	803.8	804.9	804.7	804.5	804.2	804.0
130°	846.6	846.7	847.0	847.6	848.3	848.9	849.5	849.7	849.9	850.2	850.4
132.5°	890.2	890.4	890.8	891.7	892.5	893.4	894.2	894.4	894.6	894.8	895.0
135°	930.4	930.3	930.7	931.6	932.4	933.3	934.1	934.5	934.9	935.4	935.8
137.5°	969.3	969.3	969.8	970.9	971.9	973.0	974.0	974.4	974.8	975.3	975.7
140°	1008.0	1008.2	1008.4	1008.8	1009.3	1009.7	1010.1	1010.7	1011.4	1012.0	1012.7
142.5°	1043.0	1043.4	1043.5	1043.7	1043.9	1044.1	1044.3	1044.7	1045.1	1045.6	1046.0
145°	1076.3	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.8	1077.0	1077.3	1077.5
147.5°	1105.5	1106.1	1106.0	1105.8	1105.6	1105.4	1105.2	1105.4	1105.6	1105.8	1106.0
150°	1133.3	1133.7	1133.6	1133.4	1133.1	1132.9	1132.7	1132.7	1132.7	1132.7	1132.7
152.5°	1157.1	1157.4	1157.2	1156.8	1156.3	1155.9	1155.5	1155.9	1156.3	1156.8	1157.2
155°	1178.2	1178.3	1178.0	1177.4	1176.7	1176.1	1175.5	1176.3	1177.2	1178.0	1178.9
157.5°	1197.3	1197.3	1196.9	1196.0	1195.2	1194.3	1193.5	1194.6	1195.6	1196.7	1197.8
160°	1211.9	1211.6	1211.5	1211.3	1211.0	1210.8	1210.6	1211.9	1213.1	1214.4	1215.7
162.5°	1226.2	1225.8	1225.7	1225.5	1225.3	1225.1	1224.9	1226.2	1227.4	1228.7	1230.0
165°	1237.7	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1238.9	1240.6	1242.3	1244.0
167.5°	1248.2	1247.7	1247.6	1247.4	1247.1	1246.9	1246.7	1248.6	1250.5	1252.4	1254.3
170°	1255.9	1255.3	1255.4	1255.6	1255.8	1256.0	1256.2	1257.9	1259.6	1261.3	1263.0
172.5°	1261.6	1261.0	1261.1	1261.3	1261.5	1261.7	1261.9	1263.6	1265.3	1267.0	1268.7
175°	1265.4	1264.8	1264.9	1265.1	1265.3	1265.5	1265.7	1267.6	1269.5	1271.4	1273.3
177.5°	1267.4	1266.7	1266.9	1267.3	1267.8	1268.2	1268.6	1270.3	1272.0	1273.7	1275.4
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	504.8	504.3	502.1	503.0	500.3	501.2	502.5	503.0	504.8	503.4	503.0
5°	473.7	472.9	471.5	470.2	469.7	471.5	468.4	469.3	470.2	471.5	473.3
7.5°	448.5	448.0	446.7	444.5	443.6	442.7	443.2	446.3	445.8	445.4	448.5
10°	425.4	425.9	423.2	422.8	420.1	419.7	420.1	421.0	422.3	424.1	424.5
12.5°	401.5	407.3	402.4	400.6	396.6	398.8	399.7	395.7	398.0	399.3	405.9
15°	386.4	383.8	380.7	380.7	378.9	378.0	375.8	378.9	380.7	383.3	382.4
17.5°	365.6	361.2	359.4	357.6	358.1	359.8	355.0	362.1	362.1	363.4	361.2
20°	347.4	343.9	341.7	340.8	339.5	338.6	338.1	339.9	342.6	343.4	345.7
22.5°	328.4	328.4	324.8	323.5	322.6	321.3	323.5	322.2	323.9	325.7	329.3
25°	312.4	312.4	311.1	309.3	308.0	307.1	308.4	308.0	309.3	311.5	312.4
27.5°	299.6	298.2	297.8	297.4	296.9	297.4	296.9	298.2	299.6	300.0	299.1
30°	288.5	287.2	287.6	287.6	288.1	287.6	287.2	288.5	288.9	288.1	288.5
32.5°	278.3	278.3	279.2	279.6	279.6	280.1	280.5	279.6	280.1	278.7	279.2
35°	269.9	270.8	271.7	272.1	272.5	272.1	273.0	272.5	271.7	270.8	270.3
37.5°	261.5	262.4	264.1	264.6	265.9	266.3	265.5	265.5	265.0	263.2	262.4
40°	252.6	253.5	255.7	257.0	257.9	259.2	258.4	258.4	256.6	254.8	253.5
42.5°	244.2	246.0	248.2	249.5	251.3	251.3	251.3	250.4	248.2	246.4	245.1
45°	235.8	236.2	239.3	241.5	243.3	243.3	243.3	242.0	240.6	237.1	235.3
47.5°	226.5	227.8	231.3	233.5	235.3	235.8	235.8	234.4	231.8	228.7	226.5
50°	216.3	218.5	222.5	225.6	227.8	228.7	227.3	226.5	223.4	219.8	217.1
52.5°	206.5	209.2	214.0	216.7	219.8	220.3	219.8	218.5	214.9	210.1	207.8
55°	196.8	199.0	204.3	208.7	211.4	212.3	211.4	209.2	204.7	199.9	197.6
57.5°	186.1	189.2	195.0	199.4	202.5	203.0	202.1	199.9	196.3	190.1	187.0
60°	175.0	179.0	184.8	189.2	193.2	193.7	192.8	189.7	185.2	179.0	176.4
62.5°	164.0	167.1	173.7	178.6	181.7	183.9	182.1	179.0	174.6	168.4	164.4
65°	151.1	155.5	161.3	165.7	169.3	169.7	168.8	166.2	161.3	154.7	151.6
67.5°	138.7	141.8	147.6	153.3	154.7	156.0	154.7	152.0	148.0	142.3	137.8
70°	123.6	126.3	133.4	137.4	139.2	140.5	139.6	136.9	133.4	128.1	124.5
72.5°	108.6	110.8	117.4	120.5	124.1	123.6	123.2	121.4	116.6	113.0	110.8
75°	92.6	95.3	99.7	103.7	105.0	105.0	105.0	103.7	100.6	94.8	92.6
77.5°	78.0	79.3	82.9	85.1	86.4	86.9	86.4	84.2	82.4	78.4	77.1
80°	59.8	63.4	66.0	66.5	68.2	68.2	68.2	67.4	65.6	61.6	61.2
82.5°	45.2	46.1	48.7	50.1	51.0	50.5	50.5	48.7	48.3	46.1	45.2
85°	30.6	31.9	31.5	33.2	33.7	32.8	32.8	33.7	31.5	31.9	30.6
87.5°	16.8	16.8	17.7	17.3	19.1	19.1	18.2	18.6	17.7	17.3	16.8
90°	26.6	26.8	27.2	27.7	28.1	28.5	28.1	27.7	27.2	26.8	26.6
92.5°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
95°	26.6	26.7	26.9	27.2	27.4	27.6	27.4	27.2	26.9	26.7	26.6
97.5°	25.7	25.8	26.0	26.2	26.4	26.6	26.4	26.2	26.0	25.8	25.7
100°	25.7	25.8	26.0	26.2	26.4	26.6	26.4	26.2	26.0	25.8	25.7
102.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
105°	305.0	301.2	293.6	286.0	278.4	270.8	278.4	286.0	293.6	301.2	305.0
107.5°	362.0	362.4	363.3	364.2	365.0	365.9	365.0	364.2	363.3	362.4	362.0
110°	421.0	421.3	421.9	422.6	423.2	423.8	423.2	422.6	421.9	421.3	421.0

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	478.0	478.4	479.3	480.1	481.0	481.8	481.0	480.1	479.3	478.4	478.0
115°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
117.5°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8
120°	651.9	651.7	651.3	650.8	650.4	650.0	650.4	650.8	651.3	651.7	651.9
122.5°	705.1	704.9	704.5	704.0	703.6	703.2	703.6	704.0	704.5	704.9	705.1
125°	755.5	755.6	755.8	756.0	756.2	756.4	756.2	756.0	755.8	755.6	755.5
127.5°	803.9	803.8	803.6	803.4	803.2	803.0	803.2	803.4	803.6	803.8	803.9
130°	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5
132.5°	895.1	895.0	894.8	894.6	894.4	894.2	894.4	894.6	894.8	895.0	895.1
135°	936.0	936.2	936.6	937.1	937.5	937.9	937.5	937.1	936.6	936.2	936.0
137.5°	975.9	975.8	975.6	975.4	975.2	975.0	975.2	975.4	975.6	975.8	975.9
140°	1013.0	1013.1	1013.3	1013.5	1013.7	1013.9	1013.7	1013.5	1013.3	1013.1	1013.0
142.5°	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2
145°	1077.6	1077.8	1078.2	1078.7	1079.1	1079.5	1079.1	1078.7	1078.2	1077.8	1077.6
147.5°	1106.1	1106.2	1106.4	1106.7	1106.9	1107.1	1106.9	1106.7	1106.4	1106.2	1106.1
150°	1132.7	1132.8	1133.0	1133.3	1133.5	1133.7	1133.5	1133.3	1133.0	1132.8	1132.7
152.5°	1157.4	1157.3	1157.1	1156.9	1156.7	1156.5	1156.7	1156.9	1157.1	1157.3	1157.4
155°	1179.3	1179.0	1178.3	1177.7	1177.0	1176.4	1177.0	1177.7	1178.3	1179.0	1179.3
157.5°	1198.3	1197.8	1196.7	1195.6	1194.6	1193.5	1194.6	1195.6	1196.7	1197.8	1198.3
160°	1216.3	1215.7	1214.4	1213.1	1211.9	1210.6	1211.9	1213.1	1214.4	1215.7	1216.3
162.5°	1230.6	1229.9	1228.4	1226.9	1225.4	1223.9	1225.4	1226.9	1228.4	1229.9	1230.6
165°	1244.8	1243.9	1242.0	1240.1	1238.2	1236.3	1238.2	1240.1	1242.0	1243.9	1244.8
167.5°	1255.3	1254.2	1252.1	1250.0	1247.9	1245.8	1247.9	1250.0	1252.1	1254.2	1255.3
170°	1263.8	1262.7	1260.6	1258.5	1256.4	1254.3	1256.4	1258.5	1260.6	1262.7	1263.8
172.5°	1269.6	1268.4	1266.1	1263.8	1261.4	1259.1	1261.4	1263.8	1266.1	1268.4	1269.6
175°	1274.3	1273.0	1270.5	1268.0	1265.4	1262.9	1265.4	1268.0	1270.5	1273.0	1274.3
177.5°	1276.2	1274.9	1272.4	1269.9	1267.3	1264.8	1267.3	1269.9	1272.4	1274.9	1276.2
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	503.0	505.6	503.0	504.8	505.6	507.9	508.7	512.7	514.1	517.2	517.2
5°	472.9	474.2	474.6	476.4	478.2	482.6	485.7	491.5	498.1	499.0	503.0
7.5°	448.5	450.7	454.2	452.9	456.0	462.7	466.6	473.7	480.4	483.9	488.8
10°	426.8	429.4	430.8	432.1	437.8	443.6	449.8	454.7	463.5	468.9	472.9
12.5°	409.0	406.8	409.5	414.4	421.0	424.5	433.0	440.5	447.1	452.9	456.5
15°	386.0	387.8	390.4	398.8	400.6	409.5	412.6	421.0	433.4	438.7	443.2
17.5°	363.8	369.6	374.9	378.0	383.3	390.4	399.3	408.6	416.6	422.8	428.1
20°	346.1	351.9	355.0	357.2	362.5	372.3	380.7	392.2	402.4	407.3	414.4
22.5°	331.9	331.9	336.4	343.0	346.1	355.4	362.5	374.9	386.0	392.2	398.8
25°	314.2	316.9	320.4	326.2	330.6	338.1	348.3	359.0	370.9	376.2	384.7
27.5°	299.6	302.7	307.6	308.9	313.3	320.0	330.6	342.1	354.5	360.3	367.4
30°	288.5	290.3	292.0	294.7	298.7	304.5	313.3	323.5	338.6	343.0	351.9
32.5°	278.7	279.6	280.5	282.7	285.0	290.7	297.8	308.9	321.3	327.9	335.9
35°	269.9	269.0	269.4	270.8	273.0	275.2	282.7	292.0	303.6	311.5	317.7
37.5°	261.5	259.7	259.2	259.2	260.1	262.8	268.6	276.5	288.9	295.6	301.8
40°	252.2	250.4	249.5	249.1	248.6	250.4	254.8	262.8	272.5	278.7	285.8
42.5°	243.3	241.5	239.3	238.9	238.0	238.9	242.0	249.5	257.9	264.1	269.9
45°	234.4	231.3	228.7	226.9	227.3	226.0	228.2	234.0	243.7	247.7	253.5
47.5°	224.7	221.1	217.6	215.8	214.0	214.9	215.8	220.7	229.1	233.1	238.9
50°	215.4	210.5	206.5	204.3	203.0	202.1	203.0	207.8	214.0	217.6	222.5
52.5°	204.7	199.9	195.9	192.3	190.6	189.2	189.7	194.1	199.9	203.4	208.3
55°	195.0	188.8	183.5	179.0	177.7	177.3	176.8	179.9	184.8	188.3	192.3
57.5°	183.9	177.7	171.9	166.6	164.0	163.5	163.5	164.4	170.6	173.3	175.5
60°	172.8	166.2	160.0	155.1	151.1	149.8	149.3	151.1	154.2	156.9	160.0
62.5°	160.4	153.8	146.2	141.8	137.8	134.3	135.6	136.0	140.5	141.8	144.5
65°	148.5	140.9	134.7	127.6	123.2	121.0	120.1	121.0	124.5	125.0	126.7
67.5°	134.7	127.6	120.1	115.2	111.2	107.2	106.4	106.4	108.1	109.5	111.7
70°	121.4	114.3	105.9	100.6	96.6	93.1	91.7	91.3	92.6	93.5	95.7
72.5°	105.9	98.8	92.6	86.9	82.0	79.3	78.0	77.1	78.4	79.3	79.8
75°	89.5	83.8	77.6	71.8	68.7	66.0	64.3	62.9	63.8	63.8	63.8
77.5°	74.0	68.2	63.4	59.4	55.4	52.3	51.0	49.6	50.1	50.1	51.0
80°	57.6	53.6	49.6	46.1	42.5	39.9	39.0	37.7	36.8	36.3	36.3
82.5°	42.5	39.4	35.9	32.8	31.0	28.4	27.5	25.7	25.7	25.3	25.3
85°	28.4	26.6	23.0	20.8	19.5	18.2	17.3	16.4	15.1	15.1	14.6
87.5°	15.1	14.2	13.3	10.6	10.6	9.3	8.9	8.4	7.1	7.5	7.5
90°	26.0	24.7	23.4	22.2	20.9	19.2	17.5	15.8	14.1	13.3	12.1
92.5°	25.1	23.8	22.5	21.3	20.0	18.3	16.6	14.9	13.2	12.4	12.6
95°	26.0	24.7	23.4	22.2	20.9	20.7	20.5	20.3	20.1	20.0	23.6
97.5°	25.2	24.1	23.0	22.0	20.9	43.1	65.3	87.4	109.6	120.7	118.4
100°	27.5	31.1	34.6	38.2	41.8	70.9	100.1	129.2	158.3	172.9	171.0
102.5°	51.4	98.9	146.4	193.9	241.4	238.9	236.3	233.8	231.3	230.0	228.7
105°	304.1	302.2	300.3	298.4	296.5	295.4	294.4	293.3	292.2	291.7	291.1
107.5°	361.5	360.4	359.4	358.3	357.3	355.8	354.3	352.8	351.3	350.6	350.3
110°	420.8	420.4	419.9	419.5	419.1	417.8	416.6	415.3	414.0	413.4	413.1

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	478.1	478.3	478.5	478.7	478.9	478.5	478.1	477.6	477.2	477.0	476.4
115°	537.6	537.2	536.7	536.3	535.9	536.1	536.3	536.6	536.8	536.9	536.6
117.5°	595.9	596.1	596.4	596.6	596.8	596.2	595.5	594.9	594.2	593.9	593.5
120°	651.7	651.3	650.8	650.4	650.0	650.2	650.4	650.6	650.8	650.9	650.5
122.5°	705.0	704.8	704.5	704.3	704.1	703.7	703.3	702.8	702.4	702.2	702.0
125°	755.2	754.5	753.9	753.2	752.6	753.0	753.4	753.9	754.3	754.5	754.1
127.5°	804.0	804.2	804.5	804.7	804.9	803.8	802.8	801.7	800.6	800.1	800.0
130°	850.4	850.2	849.9	849.7	849.5	848.9	848.3	847.6	847.0	846.7	846.6
132.5°	895.0	894.8	894.6	894.4	894.2	893.4	892.5	891.7	890.8	890.4	890.2
135°	935.8	935.4	934.9	934.5	934.1	933.3	932.4	931.6	930.7	930.3	930.4
137.5°	975.7	975.3	974.8	974.4	974.0	973.0	971.9	970.9	969.8	969.3	969.3
140°	1012.7	1012.0	1011.4	1010.7	1010.1	1009.7	1009.3	1008.8	1008.4	1008.2	1008.0
142.5°	1046.0	1045.6	1045.1	1044.7	1044.3	1044.1	1043.9	1043.7	1043.5	1043.4	1043.0
145°	1077.5	1077.3	1077.0	1076.8	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.3
147.5°	1106.0	1105.8	1105.6	1105.4	1105.2	1105.4	1105.6	1105.8	1106.0	1106.1	1105.5
150°	1132.7	1132.7	1132.7	1132.7	1132.7	1132.9	1133.1	1133.4	1133.6	1133.7	1133.3
152.5°	1157.2	1156.8	1156.3	1155.9	1155.5	1155.9	1156.3	1156.8	1157.2	1157.4	1157.1
155°	1178.9	1178.0	1177.2	1176.3	1175.5	1176.1	1176.7	1177.4	1178.0	1178.3	1178.2
157.5°	1197.8	1196.7	1195.6	1194.6	1193.5	1194.3	1195.2	1196.0	1196.9	1197.3	1197.3
160°	1215.7	1214.4	1213.1	1211.9	1210.6	1210.8	1211.0	1211.3	1211.5	1211.6	1211.9
162.5°	1230.0	1228.7	1227.4	1226.2	1224.9	1225.1	1225.3	1225.5	1225.7	1225.8	1226.2
165°	1244.0	1242.3	1240.6	1238.9	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.7
167.5°	1254.3	1252.4	1250.5	1248.6	1246.7	1246.9	1247.1	1247.4	1247.6	1247.7	1248.2
170°	1263.0	1261.3	1259.6	1257.9	1256.2	1256.0	1255.8	1255.6	1255.4	1255.3	1255.9
172.5°	1268.7	1267.0	1265.3	1263.6	1261.9	1261.7	1261.5	1261.3	1261.1	1261.0	1261.6
175°	1273.3	1271.4	1269.5	1267.6	1265.7	1265.5	1265.3	1265.1	1264.9	1264.8	1265.4
177.5°	1275.4	1273.7	1272.0	1270.3	1268.6	1268.2	1267.8	1267.3	1266.9	1266.7	1267.4
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	534.9	534.9	534.9	534.9
2.5°	520.3	524.7	528.7	534.9
5°	508.7	515.0	523.4	532.7
7.5°	495.5	505.2	516.3	529.1
10°	483.0	494.1	508.3	523.8
12.5°	470.2	483.5	499.0	515.8
15°	455.6	468.9	486.1	508.7
17.5°	442.3	458.2	476.8	500.8
20°	426.8	441.8	462.2	489.7
22.5°	413.0	430.3	452.9	476.8
25°	398.0	413.0	435.6	464.4
27.5°	382.9	401.5	423.2	451.1
30°	368.3	383.8	407.3	436.5
32.5°	352.3	370.9	392.6	420.1
35°	335.0	352.8	373.1	402.8
37.5°	319.5	336.8	357.6	383.8
40°	302.2	320.4	339.5	365.6
42.5°	285.4	301.8	320.8	344.8
45°	269.0	283.2	300.5	321.3
47.5°	252.2	264.1	280.1	298.7
50°	234.0	246.8	258.8	274.3
52.5°	217.1	228.2	238.0	250.8
55°	200.8	208.3	216.3	226.0
57.5°	183.5	189.2	195.0	205.2
60°	166.2	171.5	174.6	181.3
62.5°	149.3	151.6	155.5	159.5
65°	130.7	133.8	136.0	140.9
67.5°	113.9	115.2	117.4	120.5
70°	96.2	99.3	100.2	102.4
72.5°	81.1	82.4	83.3	83.8
75°	64.3	65.6	66.5	69.1
77.5°	50.5	50.1	51.8	52.3
80°	37.2	35.9	36.3	38.1
82.5°	24.4	24.8	24.4	24.4
85°	15.1	14.6	13.7	14.2
87.5°	6.6	6.6	6.2	6.2
90°	9.8	7.5	5.2	2.9
92.5°	13.0	13.5	13.9	14.3
95°	30.8	37.9	45.1	52.3
97.5°	113.7	109.1	104.4	99.8
100°	167.2	163.4	159.6	155.8
102.5°	226.2	223.7	221.1	218.6
105°	289.8	288.5	287.3	286.0
107.5°	349.7	349.0	348.4	347.8
110°	412.4	411.8	411.1	410.5

TEST NUMBER: P1012992

CATALOG NUMBER: S124DIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	475.1	473.8	472.6	471.3
115°	535.9	535.3	534.6	534.0
117.5°	592.6	591.8	590.9	590.1
120°	649.6	648.8	647.9	647.1
122.5°	701.6	701.1	700.7	700.3
125°	753.2	752.4	751.5	750.7
127.5°	799.8	799.6	799.4	799.2
130°	846.4	846.1	845.9	845.7
132.5°	889.8	889.3	888.9	888.5
135°	930.6	930.9	931.1	931.3
137.5°	969.3	969.3	969.3	969.3
140°	1007.6	1007.1	1006.7	1006.3
142.5°	1042.1	1041.3	1040.4	1039.6
145°	1075.7	1075.0	1074.4	1073.8
147.5°	1104.2	1102.9	1101.7	1100.4
150°	1132.4	1131.6	1130.7	1129.9
152.5°	1156.5	1155.8	1155.2	1154.6
155°	1178.0	1177.8	1177.6	1177.4
157.5°	1197.3	1197.3	1197.3	1197.3
160°	1212.5	1213.2	1213.8	1214.4
162.5°	1227.1	1227.9	1228.8	1229.6
165°	1238.8	1239.9	1240.9	1242.0
167.5°	1249.3	1250.3	1251.4	1252.4
170°	1257.2	1258.5	1259.7	1261.0
172.5°	1262.9	1264.2	1265.4	1266.7
175°	1266.7	1268.0	1269.2	1270.5
177.5°	1268.9	1270.4	1271.9	1273.4
180°	1270.5	1270.5	1270.5	1270.5

(END OF REPORT)