

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: P1008404

Luminaire Tested: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008404
REPORT IS A COMBINATION OF REPORTS P988264 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

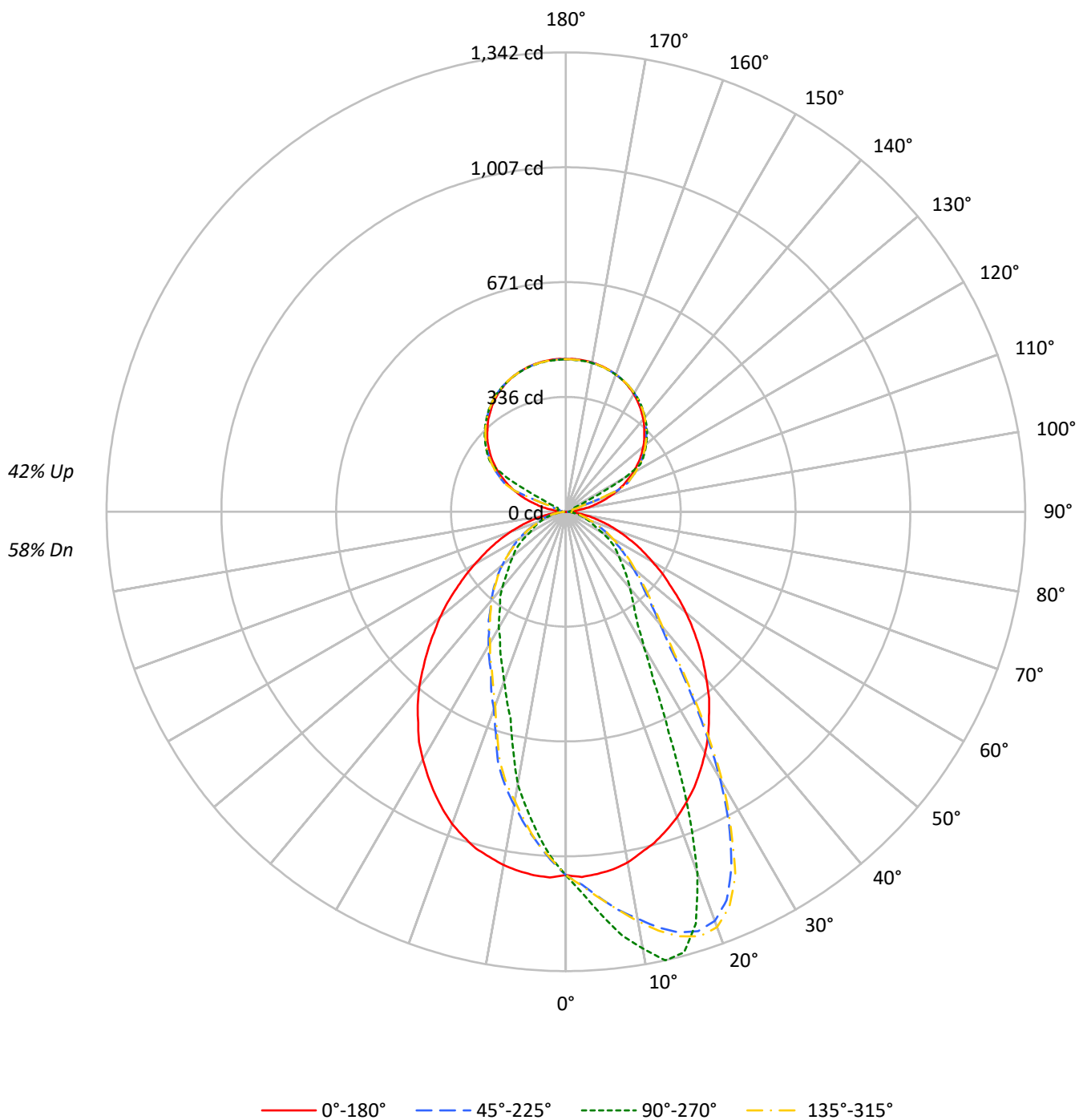
Lumens per Lamp: N/A
Luminaire Lumens: 3141.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 33.3
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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64
1	101	97	93	90	94	90	87	84	79	76	74	68	66	65	58	57	56
2	92	85	80	75	86	80	75	71	70	66	63	61	58	56	52	50	48
3	85	76	69	64	79	71	65	60	63	58	54	55	51	48	47	45	42
4	78	68	61	55	73	64	57	52	56	51	47	49	45	42	43	40	37
5	72	61	54	48	67	58	51	46	51	46	41	45	41	37	39	36	33
6	67	55	48	42	63	52	45	40	47	41	37	41	37	33	36	33	30
7	62	51	43	38	58	48	41	36	43	37	33	38	33	30	33	30	27
8	58	46	39	34	54	44	37	32	39	34	30	35	30	27	31	27	25
9	54	43	35	30	51	40	34	29	36	31	27	32	28	25	29	25	23
10	51	39	32	28	48	37	31	27	34	28	25	30	26	23	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16800	16800	16800	16800
5°	16838	17843	16897	14255
10°	16653	18861	16771	11771
15°	16292	18866	16568	8843
20°	15857	15595	16202	7295
25°	15331	9745	15661	6206
30°	14658	6240	15056	5343
35°	13839	4794	14287	4573
40°	12927	4030	13479	4000
45°	11951	3431	12451	3357
50°	10952	2914	11464	2904
55°	9846	2533	10376	2500
60°	8864	1932	9331	1908
65°	7945	1454	8415	1650
70°	6929	1161	7475	1344
75°	5857	890	6394	1016
80°	4655	605	5006	666
85°	3235	313	3546	329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 15368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.2
10°-20°	281.0	8.9
20°-30°	361.6	11.5
30°-40°	343.1	10.9
40°-50°	294.0	9.4
50°-60°	223.9	7.1
60°-70°	141.2	4.5
70°-80°	70.5	2.2
80°-90°	18.9	0.6
90°-100°	14.7	0.5
100°-110°	54.8	1.7
110°-120°	145.3	4.6
120°-130°	240.9	7.7
130°-140°	255.9	8.1
140°-150°	237.8	7.6
150°-160°	191.2	6.1
160°-170°	123.2	3.9
170°-180°	42.4	1.4
0°-30°	743.3	23.7
0°-40°	1086.3	34.6
0°-60°	1604.3	51.1
0°-90°	1834.8	58.4
90°-120°	214.7	6.8
90°-150°	949.4	30.2
90°-180°	1306.0	41.6
0°-180°	3141.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1061	1061	1061	1061	1061	
5°	1062	1181	1066	943	1062	101
15°	1001	1333	1018	625	1001	282
25°	888	711	907	453	888	408
35°	729	350	752	334	729	456
45°	547	243	570	238	547	422
55°	370	169	389	167	370	333
65°	224	88	237	100	224	222
75°	105	46	114	53	105	113
85°	23	13	25	14	23	26
90°	0	9	0	9	0	3
95°	21	14	21	14	21	25
105°	98	24	98	24	98	105
115°	185	26	185	26	185	183
125°	262	276	262	276	262	234
135°	324	335	324	335	324	251
145°	376	382	376	382	376	235
155°	414	415	414	415	414	191
165°	436	436	436	436	436	123
175°	446	444	446	444	446	42
180°	446	446	446	446	446	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1067.9	1072.3	1074.5	1077.5	1084.1	1088.6	1095.2	1096.7	1095.9	1098.9	1090.8
5°	1062.0	1071.6	1080.4	1087.8	1099.6	1107.0	1115.1	1124.7	1126.9	1138.0	1131.3
7.5°	1053.9	1067.9	1080.4	1095.2	1112.9	1122.5	1135.0	1149.8	1156.4	1169.7	1173.4
10°	1040.6	1060.5	1081.9	1097.4	1121.7	1138.7	1150.5	1174.1	1189.6	1209.5	1206.6
12.5°	1019.2	1045.0	1073.8	1099.6	1131.3	1142.4	1164.5	1188.9	1208.8	1227.2	1243.4
15°	1000.8	1030.3	1062.0	1093.7	1129.9	1150.5	1172.6	1204.3	1225.7	1258.2	1272.2
17.5°	975.7	1013.3	1050.9	1086.3	1129.1	1152.7	1180.0	1211.0	1242.7	1273.7	1284.7
20°	949.9	990.5	1031.0	1079.0	1127.6	1150.5	1178.5	1216.9	1247.9	1272.2	1272.2
22.5°	918.9	968.3	1014.8	1060.5	1113.6	1146.8	1175.6	1220.6	1242.7	1247.9	1227.9
25°	888.0	937.4	988.3	1045.0	1105.5	1135.0	1167.5	1209.5	1216.9	1196.2	1144.6
27.5°	851.1	906.4	963.9	1025.1	1088.6	1125.4	1154.9	1183.0	1168.9	1113.6	1033.2
30°	813.5	873.2	938.1	996.4	1073.1	1107.0	1132.1	1140.2	1095.9	1006.0	902.0
32.5°	774.4	832.6	901.2	971.3	1048.7	1081.2	1097.4	1076.0	994.9	881.3	754.5
35°	728.7	794.3	865.8	938.8	1015.5	1039.9	1049.5	997.1	893.1	746.4	620.2
37.5°	687.4	753.0	829.7	904.2	978.7	991.9	982.4	900.5	768.5	623.2	500.0
40°	638.7	708.7	784.0	867.3	928.5	932.2	908.6	802.4	638.7	502.2	426.3
42.5°	593.7	664.5	739.7	824.5	871.0	858.5	826.7	687.4	533.2	432.9	371.7
45°	547.2	614.3	695.5	770.7	803.9	774.4	726.4	578.2	447.7	372.4	325.2
47.5°	502.2	564.9	645.3	717.6	723.5	690.3	633.5	484.5	387.9	327.5	289.1
50°	458.0	520.7	595.9	655.6	649.7	604.0	539.9	421.1	337.0	289.1	257.4
52.5°	413.7	470.5	543.5	590.7	565.7	521.4	458.0	357.0	294.3	252.2	227.9
55°	369.5	422.6	485.3	524.4	484.5	433.7	388.7	306.1	255.2	221.3	202.8
57.5°	332.6	374.7	432.2	455.8	407.8	368.0	328.9	263.3	221.3	196.9	175.5
60°	292.1	330.4	377.6	391.6	342.2	309.8	276.6	222.7	189.5	168.2	154.1
62.5°	257.4	289.1	325.2	325.2	281.7	257.4	232.3	186.6	159.3	142.3	135.7
65°	223.5	246.3	272.1	269.2	232.3	210.9	191.0	154.1	133.5	121.7	115.1
67.5°	190.3	208.0	224.9	214.6	188.1	169.6	151.2	124.6	110.6	102.5	93.7
70°	160.0	174.1	182.9	173.3	146.8	131.3	118.0	100.3	89.2	78.9	73.8
72.5°	134.2	140.1	143.1	131.3	109.2	100.3	90.7	78.2	68.6	63.4	62.0
75°	104.7	109.9	107.7	98.8	80.4	73.8	66.4	57.5	55.3	52.4	50.9
77.5°	81.9	81.9	78.2	70.1	57.5	52.4	49.4	45.0	42.8	42.0	40.6
80°	58.3	57.5	55.3	46.5	39.1	36.1	36.1	33.2	32.5	31.0	31.0
82.5°	38.4	38.4	35.4	28.0	25.8	25.1	24.3	22.9	22.9	22.1	22.1
85°	22.9	21.4	17.7	15.5	14.8	14.8	14.0	13.3	14.0	13.3	13.3
87.5°	10.3	8.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
90°	0.3	1.1	1.9	2.7	3.5	3.9	4.2	4.7	5.3	5.8	6.4
92.5°	8.1	7.8	7.5	7.2	6.9	6.8	6.9	7.1	7.3	7.5	7.7
95°	21.0	18.6	16.2	13.9	11.5	10.3	10.6	11.1	11.6	12.1	12.6
97.5°	37.7	31.8	26.0	20.1	14.2	11.3	11.9	13.0	14.1	15.3	16.4
100°	57.1	47.3	37.5	27.6	17.8	12.9	13.5	14.7	16.0	17.2	18.4
102.5°	78.3	78.2	78.0	77.9	77.8	77.7	71.2	58.1	45.1	32.0	19.0
105°	98.0	100.2	102.3	104.5	106.6	107.7	97.9	78.4	58.8	39.3	19.7
107.5°	120.9	122.7	124.5	126.3	128.1	129.0	116.9	92.8	68.6	44.5	20.3
110°	142.8	144.3	145.8	147.3	148.8	149.6	139.2	118.5	97.8	77.1	56.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	163.5	164.8	166.1	167.4	168.7	169.3	168.7	167.5	166.2	165.0	163.8
115°	185.4	186.6	187.8	189.1	190.3	190.9	191.8	193.6	195.3	197.1	198.9
117.5°	204.4	205.8	207.2	208.7	210.1	210.8	211.4	212.6	213.9	215.1	216.3
120°	225.7	226.8	227.8	228.9	230.0	230.5	231.1	232.4	233.7	235.0	236.3
122.5°	243.7	244.9	246.0	247.2	248.3	248.9	249.6	251.0	252.5	253.9	255.3
125°	262.1	263.0	264.0	264.9	265.8	266.3	267.0	268.3	269.7	271.0	272.4
127.5°	278.9	279.9	280.9	281.9	282.9	283.4	283.9	285.0	286.1	287.1	288.2
130°	294.7	295.8	297.0	298.1	299.2	299.8	300.2	301.0	301.8	302.6	303.4
132.5°	310.8	311.7	312.7	313.6	314.5	315.0	315.4	316.2	316.9	317.7	318.5
135°	324.3	325.5	326.6	327.8	328.9	329.5	329.8	330.5	331.1	331.8	332.4
137.5°	338.5	339.4	340.2	341.1	342.0	342.4	342.8	343.5	344.2	344.9	345.6
140°	352.4	353.0	353.6	354.1	354.7	355.0	355.4	356.2	356.9	357.7	358.5
142.5°	364.0	364.5	365.0	365.5	366.0	366.2	366.7	367.6	368.5	369.5	370.4
145°	376.2	376.1	376.1	376.0	375.9	375.9	376.5	377.7	379.0	380.2	381.4
147.5°	386.9	386.7	386.5	386.2	386.0	385.9	386.5	387.7	389.0	390.2	391.4
150°	397.2	396.7	396.2	395.7	395.2	394.9	395.5	396.6	397.8	398.9	400.1
152.5°	405.9	405.3	404.7	404.2	403.6	403.3	403.8	404.9	406.0	407.1	408.2
155°	414.3	413.7	413.0	412.4	411.7	411.4	411.8	412.7	413.6	414.4	415.3
157.5°	421.1	420.5	419.9	419.4	418.8	418.5	418.8	419.5	420.1	420.8	421.4
160°	426.9	426.5	426.0	425.6	425.1	424.9	425.1	425.6	426.0	426.5	426.9
162.5°	432.0	431.6	431.2	430.7	430.3	430.1	430.3	430.6	431.0	431.3	431.7
165°	436.5	436.1	435.7	435.2	434.8	434.6	434.7	434.9	435.2	435.4	435.6
167.5°	440.1	439.7	439.2	438.8	438.3	438.1	438.2	438.4	438.7	438.9	439.1
170°	443.0	442.6	442.1	441.7	441.2	441.0	441.1	441.2	441.4	441.5	441.7
172.5°	444.9	444.5	444.1	443.6	443.2	443.0	443.1	443.2	443.3	443.5	443.6
175°	446.5	446.0	445.5	445.0	444.5	444.3	444.4	444.5	444.6	444.8	444.9
177.5°	447.2	446.7	446.2	445.7	445.2	444.9	444.9	445.0	445.1	445.1	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1098.9	1100.4	1102.6	1112.9	1114.4	1117.3	1115.8	1115.8	1116.6	1115.1	1115.8
5°	1146.1	1148.3	1159.4	1171.9	1174.8	1171.9	1175.6	1180.7	1180.7	1180.7	1179.3
7.5°	1190.3	1198.4	1211.0	1229.4	1233.1	1236.8	1243.4	1239.0	1240.5	1247.1	1244.9
10°	1233.1	1244.9	1258.9	1274.4	1282.5	1287.7	1290.6	1297.3	1312.8	1295.1	1301.7
12.5°	1273.7	1290.6	1305.4	1322.3	1328.2	1334.9	1337.1	1343.0	1343.0	1342.3	1347.4
15°	1300.2	1315.7	1329.0	1340.0	1341.5	1340.0	1338.6	1339.3	1341.5	1332.7	1337.8
17.5°	1306.1	1307.6	1312.0	1307.6	1308.3	1292.8	1284.0	1281.8	1261.1	1261.9	1278.8
20°	1277.4	1252.3	1245.6	1221.3	1206.6	1166.7	1165.3	1154.2	1110.7	1124.0	1121.0
22.5°	1198.4	1155.7	1098.9	1070.9	1056.8	1014.8	982.4	959.5	944.0	928.5	921.9
25°	1094.5	1025.1	944.7	889.4	881.3	842.2	782.5	754.5	721.3	711.0	728.7
27.5°	960.2	870.3	779.5	694.7	679.2	643.8	613.6	593.7	555.3	553.1	554.6
30°	778.1	687.4	611.4	556.1	517.7	501.5	481.6	466.8	451.4	457.3	458.7
32.5°	639.4	553.1	482.3	452.8	435.1	424.8	407.8	398.3	391.6	389.4	388.7
35°	508.1	450.6	418.9	390.1	379.8	372.4	359.9	355.5	349.6	350.3	350.3
37.5°	435.1	387.2	363.6	348.8	339.3	335.6	327.5	323.0	319.3	317.9	320.1
40°	375.4	342.2	327.5	314.2	306.1	304.6	300.2	295.0	290.6	291.3	293.5
42.5°	331.9	312.7	295.0	284.7	278.8	276.6	272.9	269.2	269.2	267.0	266.2
45°	297.2	281.7	267.0	257.4	253.7	250.8	246.3	245.6	242.6	243.4	244.1
47.5°	266.2	253.7	242.6	233.1	229.4	228.6	224.2	221.3	221.3	220.5	219.8
50°	238.2	225.7	216.1	210.9	205.8	204.3	203.6	202.8	201.3	201.3	202.1
52.5°	215.4	202.8	195.4	191.0	188.1	186.6	186.6	185.9	185.9	185.9	185.1
55°	190.3	180.0	174.1	172.6	171.1	170.4	169.6	168.2	167.4	168.9	167.4
57.5°	166.7	163.0	157.8	156.4	152.7	152.7	150.5	149.0	147.5	149.0	149.0
60°	148.2	143.1	140.1	135.7	132.8	129.8	126.1	125.4	123.9	123.2	122.4
62.5°	129.1	124.6	117.3	110.6	106.2	103.3	101.8	101.0	101.0	100.3	100.3
65°	107.7	97.4	93.7	91.5	90.7	90.0	88.5	87.8	88.5	87.8	88.5
67.5°	84.1	82.6	80.4	78.9	78.2	77.4	77.4	76.7	76.7	76.7	76.7
70°	73.0	69.3	68.6	67.1	67.1	66.4	66.4	66.4	66.4	65.6	67.1
72.5°	60.5	58.3	57.5	56.8	56.8	56.8	56.1	56.1	56.1	55.3	56.1
75°	49.4	48.7	47.2	47.2	46.5	47.2	46.5	46.5	45.7	46.5	46.5
77.5°	39.8	39.1	38.4	38.4	37.6	37.6	37.6	37.6	37.6	37.6	38.4
80°	30.2	29.5	28.8	29.5	28.8	29.5	28.8	28.8	29.5	28.8	28.8
82.5°	22.1	21.4	21.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
85°	13.3	12.5	12.5	13.3	12.5	13.3	12.5	12.5	12.5	13.3	13.3
87.5°	5.9	6.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.6
90°	6.8	7.2	7.5	7.9	8.1	8.2	8.3	8.4	8.6	8.7	8.6
92.5°	7.9	8.0	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.6
95°	13.0	13.3	13.7	14.0	14.2	14.2	14.1	14.0	14.0	13.9	14.0
97.5°	16.6	16.8	17.1	17.3	17.4	17.4	17.5	17.6	17.6	17.7	17.6
100°	19.0	19.6	20.1	20.7	21.0	21.1	21.2	21.3	21.5	21.6	21.5
102.5°	19.8	20.6	21.4	22.2	22.6	22.7	22.9	23.1	23.3	23.5	23.3
105°	20.5	21.3	22.0	22.8	23.2	23.3	23.6	23.9	24.2	24.5	24.2
107.5°	21.1	21.9	22.7	23.5	23.9	24.0	24.3	24.6	24.8	25.1	24.8
110°	49.2	42.1	34.9	27.8	24.2	24.3	24.6	24.9	25.2	25.5	25.2

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	132.9	102.0	71.1	40.2	24.8	24.9	25.1	25.4	25.6	25.8	25.6
115°	165.7	132.5	99.4	66.2	49.6	47.0	41.9	36.7	31.6	26.4	31.6
117.5°	206.1	195.8	185.6	175.3	170.2	160.8	142.1	123.3	104.6	85.8	104.6
120°	237.2	238.0	238.9	239.8	240.2	235.4	225.7	216.0	206.4	196.7	206.4
122.5°	255.7	256.2	256.6	257.1	257.3	257.3	257.4	257.5	257.5	257.6	257.5
125°	272.9	273.4	273.9	274.4	274.7	274.8	275.0	275.3	275.5	275.7	275.5
127.5°	288.9	289.6	290.3	291.0	291.4	291.4	291.5	291.6	291.7	291.8	291.7
130°	304.2	305.0	305.7	306.5	306.9	306.9	306.8	306.7	306.7	306.6	306.7
132.5°	319.1	319.8	320.4	321.1	321.4	321.4	321.3	321.2	321.2	321.1	321.2
135°	333.1	333.8	334.5	335.2	335.6	335.5	335.4	335.3	335.1	335.0	335.1
137.5°	346.3	347.0	347.7	348.4	348.8	348.7	348.5	348.3	348.1	347.9	348.1
140°	359.1	359.8	360.4	361.1	361.4	361.2	360.9	360.5	360.2	359.8	360.2
142.5°	371.0	371.6	372.1	372.7	373.0	372.8	372.5	372.1	371.8	371.4	371.8
145°	381.9	382.4	382.9	383.4	383.7	383.5	383.1	382.8	382.4	382.0	382.4
147.5°	391.8	392.1	392.5	392.8	393.0	392.9	392.6	392.3	392.0	391.7	392.0
150°	400.5	400.9	401.4	401.8	402.0	401.8	401.5	401.1	400.8	400.4	400.8
152.5°	408.6	409.0	409.5	409.9	410.1	409.8	409.3	408.8	408.3	407.8	408.3
155°	415.7	416.1	416.6	417.0	417.2	416.9	416.3	415.8	415.2	414.6	415.2
157.5°	421.9	422.4	422.9	423.4	423.6	423.3	422.8	422.2	421.7	421.1	421.7
160°	427.3	427.7	428.2	428.6	428.8	428.5	428.0	427.5	427.0	426.5	427.0
162.5°	432.2	432.7	433.2	433.7	434.0	433.7	433.0	432.3	431.7	431.0	431.7
165°	436.1	436.6	437.1	437.6	437.8	437.6	437.1	436.6	436.1	435.6	436.1
167.5°	439.6	440.1	440.6	441.1	441.4	441.1	440.4	439.8	439.1	438.5	439.1
170°	442.2	442.7	443.2	443.7	443.9	443.6	442.9	442.3	441.6	441.0	441.6
172.5°	444.1	444.6	445.1	445.6	445.9	445.6	444.9	444.3	443.6	443.0	443.6
175°	445.4	445.9	446.4	446.9	447.2	446.8	446.1	445.4	444.6	443.9	444.6
177.5°	445.7	446.2	446.7	447.2	447.5	447.2	446.5	445.9	445.2	444.6	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1118.8	1113.6	1112.2	1113.6	1112.2	1112.9	1107.7	1088.6	1093.7	1085.6	1090.0
5°	1182.2	1177.8	1168.2	1166.7	1165.3	1163.8	1156.4	1139.4	1132.8	1121.7	1121.0
7.5°	1242.7	1242.7	1235.3	1230.2	1223.5	1218.4	1208.8	1183.7	1173.4	1160.1	1152.7
10°	1302.4	1283.3	1291.4	1286.2	1270.0	1267.0	1249.3	1234.6	1214.7	1201.4	1189.6
12.5°	1345.2	1339.3	1331.9	1327.5	1323.1	1313.5	1301.7	1264.1	1253.8	1227.2	1213.9
15°	1343.7	1340.0	1342.3	1342.3	1340.8	1338.6	1329.0	1301.7	1284.0	1258.2	1235.3
17.5°	1271.5	1281.0	1290.6	1297.3	1312.0	1318.7	1327.5	1311.3	1300.2	1278.1	1253.8
20°	1145.3	1168.9	1197.0	1202.9	1216.1	1255.2	1272.9	1286.9	1291.4	1284.0	1264.1
22.5°	969.8	989.7	1057.6	1056.1	1075.3	1121.7	1173.4	1215.4	1248.6	1267.0	1259.7
25°	759.6	787.7	823.8	851.1	913.8	983.1	1047.3	1114.4	1171.9	1222.8	1235.3
27.5°	574.5	611.4	640.2	676.3	708.0	789.9	872.5	977.2	1044.3	1140.9	1191.1
30°	464.6	481.6	510.4	527.3	542.8	605.5	699.2	802.4	920.4	1031.8	1118.1
32.5°	396.8	408.6	430.0	437.3	453.6	495.6	554.6	649.0	770.7	905.7	1019.2
35°	356.2	368.8	373.2	379.8	393.1	419.6	460.2	528.8	638.7	770.7	906.4
37.5°	321.6	328.2	340.7	345.2	349.6	369.5	396.8	444.7	517.7	626.1	776.6
40°	297.2	300.9	307.5	311.2	314.2	328.2	352.5	385.0	438.8	521.4	660.1
42.5°	271.4	275.8	280.3	284.7	288.4	299.4	314.2	345.2	381.3	444.0	544.3
45°	246.3	249.3	254.4	257.4	262.6	271.4	284.7	306.1	338.5	378.3	459.5
47.5°	223.5	227.2	229.4	233.1	236.7	246.3	258.9	272.9	299.4	338.5	397.5
50°	202.8	207.2	210.2	210.9	213.9	222.7	233.1	248.5	265.5	295.7	347.4
52.5°	188.1	188.8	191.0	194.0	193.2	198.4	208.0	219.8	237.5	261.8	299.4
55°	171.1	173.3	174.8	175.5	175.5	180.0	185.1	196.2	210.2	230.1	261.8
57.5°	149.7	151.9	156.4	157.8	160.0	162.3	164.5	171.8	183.6	202.8	228.6
60°	127.6	129.1	133.5	136.4	137.9	143.8	146.8	152.7	159.3	173.3	197.7
62.5°	102.5	104.0	106.2	109.2	112.1	121.0	128.3	134.2	139.4	149.0	168.9
65°	89.2	90.0	91.5	92.2	92.9	96.6	103.3	111.4	121.0	128.3	140.1
67.5°	77.4	78.2	78.9	80.4	81.1	81.9	84.8	87.0	96.6	106.9	115.8
70°	66.4	67.9	68.6	68.6	69.3	70.8	72.3	75.2	78.2	83.3	94.4
72.5°	56.1	56.8	58.3	58.3	58.3	59.7	61.2	62.7	64.2	67.1	71.5
75°	46.5	47.9	47.9	47.9	48.7	48.7	50.2	51.6	53.1	55.3	56.8
77.5°	38.4	38.4	38.4	38.4	39.1	39.1	39.8	41.3	42.0	42.8	44.3
80°	28.8	29.5	29.5	29.5	30.2	30.2	30.2	31.7	32.5	32.5	33.9
82.5°	21.4	21.4	21.4	22.1	21.4	22.1	22.1	22.9	22.1	22.9	23.6
85°	13.3	13.3	13.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.8
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.4	6.6	6.6
90°	8.4	8.3	8.2	8.1	7.9	7.5	7.2	6.8	6.4	5.8	5.3
92.5°	8.6	8.5	8.4	8.4	8.3	8.2	8.0	7.9	7.7	7.5	7.3
95°	14.0	14.1	14.2	14.2	14.0	13.7	13.3	13.0	12.6	12.1	11.6
97.5°	17.6	17.5	17.4	17.4	17.3	17.1	16.8	16.6	16.4	15.3	14.1
100°	21.3	21.2	21.1	21.0	20.7	20.1	19.6	19.0	18.4	17.2	16.0
102.5°	23.1	22.9	22.7	22.6	22.2	21.4	20.6	19.8	19.0	32.0	45.1
105°	23.9	23.6	23.3	23.2	22.8	22.0	21.3	20.5	19.7	39.3	58.8
107.5°	24.6	24.3	24.0	23.9	23.5	22.7	21.9	21.1	20.3	44.5	68.6
110°	24.9	24.6	24.3	24.2	27.8	34.9	42.1	49.2	56.4	77.1	97.8

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	25.4	25.1	24.9	24.8	40.2	71.1	102.0	132.9	163.8	165.0	166.2
115°	36.7	41.9	47.0	49.6	66.2	99.4	132.5	165.7	198.9	197.1	195.3
117.5°	123.3	142.1	160.8	170.2	175.3	185.6	195.8	206.1	216.3	215.1	213.9
120°	216.0	225.7	235.4	240.2	239.8	238.9	238.0	237.2	236.3	235.0	233.7
122.5°	257.5	257.4	257.3	257.3	257.1	256.6	256.2	255.7	255.3	253.9	252.5
125°	275.3	275.0	274.8	274.7	274.4	273.9	273.4	272.9	272.4	271.0	269.7
127.5°	291.6	291.5	291.4	291.4	291.0	290.3	289.6	288.9	288.2	287.1	286.1
130°	306.7	306.8	306.9	306.9	306.5	305.7	305.0	304.2	303.4	302.6	301.8
132.5°	321.2	321.3	321.4	321.4	321.1	320.4	319.8	319.1	318.5	317.7	316.9
135°	335.3	335.4	335.5	335.6	335.2	334.5	333.8	333.1	332.4	331.8	331.1
137.5°	348.3	348.5	348.7	348.8	348.4	347.7	347.0	346.3	345.6	344.9	344.2
140°	360.5	360.9	361.2	361.4	361.1	360.4	359.8	359.1	358.5	357.7	356.9
142.5°	372.1	372.5	372.8	373.0	372.7	372.1	371.6	371.0	370.4	369.5	368.5
145°	382.8	383.1	383.5	383.7	383.4	382.9	382.4	381.9	381.4	380.2	379.0
147.5°	392.3	392.6	392.9	393.0	392.8	392.5	392.1	391.8	391.4	390.2	389.0
150°	401.1	401.5	401.8	402.0	401.8	401.4	400.9	400.5	400.1	398.9	397.8
152.5°	408.8	409.3	409.8	410.1	409.9	409.5	409.0	408.6	408.2	407.1	406.0
155°	415.8	416.3	416.9	417.2	417.0	416.6	416.1	415.7	415.3	414.4	413.6
157.5°	422.2	422.8	423.3	423.6	423.4	422.9	422.4	421.9	421.4	420.8	420.1
160°	427.5	428.0	428.5	428.8	428.6	428.2	427.7	427.3	426.9	426.5	426.0
162.5°	432.3	433.0	433.7	434.0	433.7	433.2	432.7	432.2	431.7	431.3	431.0
165°	436.6	437.1	437.6	437.8	437.6	437.1	436.6	436.1	435.6	435.4	435.2
167.5°	439.8	440.4	441.1	441.4	441.1	440.6	440.1	439.6	439.1	438.9	438.7
170°	442.3	442.9	443.6	443.9	443.7	443.2	442.7	442.2	441.7	441.5	441.4
172.5°	444.3	444.9	445.6	445.9	445.6	445.1	444.6	444.1	443.6	443.5	443.3
175°	445.4	446.1	446.8	447.2	446.9	446.4	445.9	445.4	444.9	444.8	444.6
177.5°	445.9	446.5	447.2	447.5	447.2	446.7	446.2	445.7	445.2	445.1	445.1
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1083.4	1079.7	1079.7	1077.5	1077.5	1065.7	1065.7	1069.4	1065.0	1059.8	1052.4
5°	1111.4	1103.3	1101.1	1098.1	1088.6	1073.8	1067.9	1065.7	1056.8	1045.8	1033.2
7.5°	1138.0	1124.7	1118.1	1111.4	1098.9	1078.2	1066.4	1058.3	1045.0	1028.1	1011.9
10°	1163.8	1146.8	1129.9	1121.7	1104.0	1078.2	1061.3	1048.0	1028.8	1006.0	983.1
12.5°	1187.4	1152.0	1149.0	1132.8	1107.0	1077.5	1051.7	1032.5	1008.2	981.6	955.1
15°	1208.0	1171.9	1154.2	1139.4	1105.5	1068.6	1041.4	1017.8	985.3	955.1	922.6
17.5°	1218.4	1179.3	1167.5	1143.1	1108.5	1060.5	1023.7	994.9	959.5	923.4	886.5
20°	1228.7	1183.0	1163.8	1146.8	1099.6	1045.0	1003.7	970.6	931.5	888.7	848.1
22.5°	1233.8	1183.0	1160.1	1136.5	1090.8	1028.1	979.4	940.3	894.6	851.1	802.4
25°	1225.0	1178.5	1151.2	1126.9	1075.3	1007.4	951.4	907.1	858.5	809.0	759.6
27.5°	1202.9	1168.2	1136.5	1111.4	1053.9	980.9	921.9	871.7	821.6	766.3	716.1
30°	1161.6	1146.1	1121.0	1093.0	1030.3	957.3	887.2	835.6	780.3	725.0	672.6
32.5°	1097.4	1110.7	1094.5	1070.1	1002.3	924.8	850.3	798.0	737.5	677.8	629.8
35°	1019.2	1066.4	1057.6	1040.6	972.8	890.2	815.7	752.3	691.8	631.3	583.4
37.5°	933.7	1005.2	1012.6	1002.3	938.8	854.8	772.9	711.0	649.0	587.8	539.1
40°	816.4	926.3	949.9	954.3	903.4	812.0	726.4	666.0	604.8	545.0	486.0
42.5°	708.7	847.4	876.9	895.3	858.5	770.0	683.7	616.6	556.1	502.2	443.2
45°	607.7	752.3	800.2	823.8	807.6	722.0	632.8	570.1	514.8	465.4	408.6
47.5°	503.7	649.0	716.1	753.7	753.7	673.3	584.1	522.2	469.1	427.0	376.9
50°	434.4	555.3	624.7	674.1	687.4	623.9	539.9	479.4	429.2	383.5	345.2
52.5°	370.2	478.6	536.2	587.8	626.1	570.8	490.4	435.9	386.5	343.7	313.4
55°	320.1	401.2	453.6	510.4	553.1	517.0	442.5	389.4	346.6	311.2	285.4
57.5°	272.1	342.9	385.7	435.9	481.6	454.3	394.6	348.8	311.2	280.3	257.4
60°	231.6	289.1	322.3	361.4	418.2	399.0	349.6	307.5	277.3	249.3	230.1
62.5°	196.9	242.6	270.7	298.7	350.3	341.5	303.1	270.7	244.9	221.3	205.0
65°	161.5	199.1	221.3	245.6	286.9	290.6	259.6	236.7	213.1	192.5	177.7
67.5°	130.5	160.0	180.0	200.6	233.8	244.1	222.7	203.6	183.6	166.7	153.4
70°	105.5	126.1	140.9	157.1	184.4	196.9	185.9	172.6	156.4	142.3	130.5
72.5°	83.3	96.6	105.5	118.0	140.1	152.7	151.9	140.1	128.3	118.7	109.2
75°	61.2	71.5	78.9	87.0	104.7	116.5	119.5	114.3	102.5	95.1	87.8
77.5°	46.5	52.4	56.1	62.0	74.5	84.8	89.2	87.8	79.7	73.8	68.6
80°	35.4	36.9	38.4	40.6	50.9	60.5	63.4	62.7	58.3	56.1	50.2
82.5°	25.1	25.8	26.6	27.3	31.0	39.1	42.0	43.5	39.8	37.6	32.5
85°	14.8	15.5	15.5	17.0	17.7	19.9	25.1	25.1	24.3	21.4	20.7
87.5°	7.4	7.4	6.6	6.6	7.4	8.1	9.6	11.1	9.6	8.9	8.1
90°	4.7	4.2	3.9	3.5	2.7	1.9	1.1	0.3	1.1	1.9	2.7
92.5°	7.1	6.9	6.8	6.9	7.2	7.5	7.8	8.1	7.8	7.5	7.2
95°	11.1	10.6	10.3	11.5	13.9	16.2	18.6	21.0	18.6	16.2	13.9
97.5°	13.0	11.9	11.3	14.2	20.1	26.0	31.8	37.7	31.8	26.0	20.1
100°	14.7	13.5	12.9	17.8	27.6	37.5	47.3	57.1	47.3	37.5	27.6
102.5°	58.1	71.2	77.7	77.8	77.9	78.0	78.2	78.3	78.2	78.0	77.9
105°	78.4	97.9	107.7	106.6	104.5	102.3	100.2	98.0	100.2	102.3	104.5
107.5°	92.8	116.9	129.0	128.1	126.3	124.5	122.7	120.9	122.7	124.5	126.3
110°	118.5	139.2	149.6	148.8	147.3	145.8	144.3	142.8	144.3	145.8	147.3



TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	167.5	168.7	169.3	168.7	167.4	166.1	164.8	163.5	164.8	166.1	167.4
115°	193.6	191.8	190.9	190.3	189.1	187.8	186.6	185.4	186.6	187.8	189.1
117.5°	212.6	211.4	210.8	210.1	208.7	207.2	205.8	204.4	205.8	207.2	208.7
120°	232.4	231.1	230.5	230.0	228.9	227.8	226.8	225.7	226.8	227.8	228.9
122.5°	251.0	249.6	248.9	248.3	247.2	246.0	244.9	243.7	244.9	246.0	247.2
125°	268.3	267.0	266.3	265.8	264.9	264.0	263.0	262.1	263.0	264.0	264.9
127.5°	285.0	283.9	283.4	282.9	281.9	280.9	279.9	278.9	279.9	280.9	281.9
130°	301.0	300.2	299.8	299.2	298.1	297.0	295.8	294.7	295.8	297.0	298.1
132.5°	316.2	315.4	315.0	314.5	313.6	312.7	311.7	310.8	311.7	312.7	313.6
135°	330.5	329.8	329.5	328.9	327.8	326.6	325.5	324.3	325.5	326.6	327.8
137.5°	343.5	342.8	342.4	342.0	341.1	340.2	339.4	338.5	339.4	340.2	341.1
140°	356.2	355.4	355.0	354.7	354.1	353.6	353.0	352.4	353.0	353.6	354.1
142.5°	367.6	366.7	366.2	366.0	365.5	365.0	364.5	364.0	364.5	365.0	365.5
145°	377.7	376.5	375.9	375.9	376.0	376.1	376.1	376.2	376.1	376.1	376.0
147.5°	387.7	386.5	385.9	386.0	386.2	386.5	386.7	386.9	386.7	386.5	386.2
150°	396.6	395.5	394.9	395.2	395.7	396.2	396.7	397.2	396.7	396.2	395.7
152.5°	404.9	403.8	403.3	403.6	404.2	404.7	405.3	405.9	405.3	404.7	404.2
155°	412.7	411.8	411.4	411.7	412.4	413.0	413.7	414.3	413.7	413.0	412.4
157.5°	419.5	418.8	418.5	418.8	419.4	419.9	420.5	421.1	420.5	419.9	419.4
160°	425.6	425.1	424.9	425.1	425.6	426.0	426.5	426.9	426.5	426.0	425.6
162.5°	430.6	430.3	430.1	430.3	430.7	431.2	431.6	432.0	431.6	431.2	430.7
165°	434.9	434.7	434.6	434.8	435.2	435.7	436.1	436.5	436.1	435.7	435.2
167.5°	438.4	438.2	438.1	438.3	438.8	439.2	439.7	440.1	439.7	439.2	438.8
170°	441.2	441.1	441.0	441.2	441.7	442.1	442.6	443.0	442.6	442.1	441.7
172.5°	443.2	443.1	443.0	443.2	443.6	444.1	444.5	444.9	444.5	444.1	443.6
175°	444.5	444.4	444.3	444.5	445.0	445.5	446.0	446.5	446.0	445.5	445.0
177.5°	445.0	444.9	444.9	445.2	445.7	446.2	446.7	447.2	446.7	446.2	445.7
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1049.5	1050.2	1052.4	1045.8	1035.5	1031.0	1017.8	1015.5	1013.3	1013.3	1015.5
5°	1025.9	1022.9	1023.7	1011.1	996.4	987.5	969.1	972.0	962.4	956.5	958.0
7.5°	1000.1	991.9	991.2	975.0	956.5	940.3	921.1	916.7	907.9	897.5	893.1
10°	967.6	961.7	950.6	932.2	908.6	895.3	869.5	854.0	851.8	836.3	830.4
12.5°	934.4	924.1	913.0	887.2	860.7	839.3	820.1	803.1	791.3	778.1	769.2
15°	896.1	883.5	871.0	843.7	812.7	791.3	762.6	737.5	702.8	675.6	660.1
17.5°	854.0	840.0	823.1	792.8	762.6	733.1	680.0	650.5	626.1	609.9	600.3
20°	810.5	795.0	778.1	747.8	695.5	643.8	614.3	591.5	576.7	560.5	548.7
22.5°	764.8	748.6	730.1	682.9	627.6	591.5	568.6	547.2	525.8	517.0	511.1
25°	722.0	707.3	683.7	619.5	576.0	542.8	517.0	503.0	491.9	480.1	469.1
27.5°	677.8	650.5	617.3	563.5	536.2	502.2	483.8	473.5	454.3	446.2	441.0
30°	624.7	594.4	562.7	524.4	492.7	469.1	452.1	435.1	424.1	416.0	407.1
32.5°	570.8	542.1	522.2	482.3	458.7	434.4	418.2	407.8	391.6	386.5	382.8
35°	524.4	500.0	482.3	449.9	427.8	405.6	393.8	378.3	368.0	358.4	352.5
37.5°	478.6	465.4	446.9	419.6	396.0	378.3	362.1	357.0	342.9	337.8	331.9
40°	446.9	427.0	411.5	387.9	368.0	348.8	338.5	326.7	317.1	309.0	306.8
42.5°	408.6	393.8	385.0	359.2	338.5	327.5	314.9	301.6	294.3	287.6	279.5
45°	379.8	366.5	354.0	333.4	314.9	300.9	289.8	281.0	268.5	265.5	253.0
47.5°	349.6	336.3	326.7	306.1	289.1	275.8	267.7	255.9	245.6	239.0	233.1
50°	319.3	308.3	299.4	281.7	267.0	253.0	241.9	230.1	225.7	214.6	210.9
52.5°	290.6	283.2	273.6	256.7	241.9	230.1	218.3	208.7	202.1	196.2	191.8
55°	266.2	254.4	250.0	231.6	219.0	206.5	196.2	190.3	182.2	178.5	174.8
57.5°	239.0	232.3	224.9	210.9	196.9	185.1	177.7	168.9	164.5	160.0	157.1
60°	215.4	205.8	199.9	188.1	175.5	164.5	157.8	151.2	145.3	141.6	135.7
62.5°	188.1	180.7	177.0	164.5	154.1	143.8	137.9	131.3	126.9	120.2	112.8
65°	164.5	158.6	154.1	143.8	134.2	124.6	118.7	110.6	104.7	101.0	100.3
67.5°	143.8	139.4	132.8	123.2	113.6	106.2	99.6	92.9	92.2	90.7	90.7
70°	121.0	116.5	112.8	102.5	94.4	86.3	84.8	82.6	80.4	79.7	78.2
72.5°	101.0	97.4	92.9	84.1	76.0	73.8	72.3	70.8	68.6	67.9	67.1
75°	81.9	76.7	73.8	65.6	63.4	62.0	60.5	58.3	56.8	56.1	54.6
77.5°	62.7	57.5	57.5	53.1	51.6	49.4	47.9	46.5	45.7	44.3	44.3
80°	44.3	44.3	42.8	40.6	38.4	37.6	35.4	34.7	33.9	34.7	33.2
82.5°	32.5	29.5	29.5	28.0	26.6	25.8	24.3	24.3	23.6	23.6	23.6
85°	18.4	18.4	17.7	16.2	15.5	15.5	14.8	14.8	14.0	14.0	13.3
87.5°	7.4	6.6	7.4	6.6	6.6	5.9	5.9	5.9	5.2	5.9	5.2
90°	3.5	3.9	4.2	4.7	5.3	5.8	6.4	6.8	7.2	7.5	7.9
92.5°	6.9	6.8	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3
95°	11.5	10.3	10.6	11.1	11.6	12.1	12.6	13.0	13.3	13.7	14.0
97.5°	14.2	11.3	11.9	13.0	14.1	15.3	16.4	16.6	16.8	17.1	17.3
100°	17.8	12.9	13.5	14.7	16.0	17.2	18.4	19.0	19.6	20.1	20.7
102.5°	77.8	77.7	71.2	58.1	45.1	32.0	19.0	19.8	20.6	21.4	22.2
105°	106.6	107.7	97.9	78.4	58.8	39.3	19.7	20.5	21.3	22.0	22.8
107.5°	128.1	129.0	116.9	92.8	68.6	44.5	20.3	21.1	21.9	22.7	23.5
110°	148.8	149.6	139.2	118.5	97.8	77.1	56.4	49.2	42.1	34.9	27.8

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.7	169.3	168.7	167.5	166.2	165.0	163.8	132.9	102.0	71.1	40.2
115°	190.3	190.9	191.8	193.6	195.3	197.1	198.9	165.7	132.5	99.4	66.2
117.5°	210.1	210.8	211.4	212.6	213.9	215.1	216.3	206.1	195.8	185.6	175.3
120°	230.0	230.5	231.1	232.4	233.7	235.0	236.3	237.2	238.0	238.9	239.8
122.5°	248.3	248.9	249.6	251.0	252.5	253.9	255.3	255.7	256.2	256.6	257.1
125°	265.8	266.3	267.0	268.3	269.7	271.0	272.4	272.9	273.4	273.9	274.4
127.5°	282.9	283.4	283.9	285.0	286.1	287.1	288.2	288.9	289.6	290.3	291.0
130°	299.2	299.8	300.2	301.0	301.8	302.6	303.4	304.2	305.0	305.7	306.5
132.5°	314.5	315.0	315.4	316.2	316.9	317.7	318.5	319.1	319.8	320.4	321.1
135°	328.9	329.5	329.8	330.5	331.1	331.8	332.4	333.1	333.8	334.5	335.2
137.5°	342.0	342.4	342.8	343.5	344.2	344.9	345.6	346.3	347.0	347.7	348.4
140°	354.7	355.0	355.4	356.2	356.9	357.7	358.5	359.1	359.8	360.4	361.1
142.5°	366.0	366.2	366.7	367.6	368.5	369.5	370.4	371.0	371.6	372.1	372.7
145°	375.9	375.9	376.5	377.7	379.0	380.2	381.4	381.9	382.4	382.9	383.4
147.5°	386.0	385.9	386.5	387.7	389.0	390.2	391.4	391.8	392.1	392.5	392.8
150°	395.2	394.9	395.5	396.6	397.8	398.9	400.1	400.5	400.9	401.4	401.8
152.5°	403.6	403.3	403.8	404.9	406.0	407.1	408.2	408.6	409.0	409.5	409.9
155°	411.7	411.4	411.8	412.7	413.6	414.4	415.3	415.7	416.1	416.6	417.0
157.5°	418.8	418.5	418.8	419.5	420.1	420.8	421.4	421.9	422.4	422.9	423.4
160°	425.1	424.9	425.1	425.6	426.0	426.5	426.9	427.3	427.7	428.2	428.6
162.5°	430.3	430.1	430.3	430.6	431.0	431.3	431.7	432.2	432.7	433.2	433.7
165°	434.8	434.6	434.7	434.9	435.2	435.4	435.6	436.1	436.6	437.1	437.6
167.5°	438.3	438.1	438.2	438.4	438.7	438.9	439.1	439.6	440.1	440.6	441.1
170°	441.2	441.0	441.1	441.2	441.4	441.5	441.7	442.2	442.7	443.2	443.7
172.5°	443.2	443.0	443.1	443.2	443.3	443.5	443.6	444.1	444.6	445.1	445.6
175°	444.5	444.3	444.4	444.5	444.6	444.8	444.9	445.4	445.9	446.4	446.9
177.5°	445.2	444.9	444.9	445.0	445.1	445.1	445.2	445.7	446.2	446.7	447.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1015.5	1014.1	1009.6	1011.1	1008.9	1008.9	1007.4	1007.4	1007.4	1011.1	1008.9
5°	960.2	955.1	949.9	947.7	945.5	943.3	943.3	942.5	949.2	947.7	953.6
7.5°	891.6	890.2	879.8	879.8	876.2	874.7	878.4	879.1	879.8	881.3	885.0
10°	830.4	826.7	812.0	813.5	811.3	808.3	810.5	809.0	814.2	815.7	814.2
12.5°	758.2	751.5	735.3	727.2	718.3	711.7	719.8	713.9	734.6	740.5	756.7
15°	662.3	649.7	638.7	638.7	630.6	624.7	628.4	635.0	639.4	646.1	649.0
17.5°	598.1	593.0	584.1	578.9	576.7	574.5	574.5	577.5	587.1	586.3	592.2
20°	543.5	540.6	536.2	529.5	527.3	525.8	525.8	525.8	532.5	538.4	542.1
22.5°	505.9	503.7	500.8	491.9	487.5	486.0	489.7	491.9	497.1	501.5	505.2
25°	468.3	463.2	458.0	455.0	452.8	452.8	454.3	455.0	457.3	459.5	463.9
27.5°	437.3	433.7	426.3	418.2	418.2	416.0	417.4	418.9	424.1	431.4	435.1
30°	402.7	401.9	399.0	396.0	393.1	391.6	394.6	396.8	397.5	401.2	401.2
32.5°	377.6	372.4	367.3	364.3	362.9	362.1	362.9	365.8	365.8	370.2	375.4
35°	352.5	349.6	344.4	339.3	337.8	334.1	337.0	340.0	345.2	347.4	349.6
37.5°	325.2	321.6	319.3	317.9	314.9	315.7	313.4	317.9	322.3	321.6	323.0
40°	304.6	298.0	291.3	290.6	289.8	289.1	289.1	289.8	292.8	295.7	300.2
42.5°	278.0	275.8	269.9	264.0	262.6	261.1	259.6	262.6	268.5	273.6	275.8
45°	250.8	247.8	246.3	241.9	239.0	238.2	236.7	240.4	245.6	247.8	249.3
47.5°	225.7	224.9	220.5	221.3	219.0	219.8	219.0	221.3	221.3	223.5	224.9
50°	208.7	206.5	204.3	202.8	200.6	200.6	199.9	200.6	203.6	206.5	205.8
52.5°	191.8	188.1	187.3	186.6	185.1	186.6	184.4	185.1	188.1	189.5	188.8
55°	171.8	171.1	169.6	168.2	167.4	166.7	166.7	166.7	169.6	171.8	172.6
57.5°	156.4	152.7	149.7	149.7	146.8	146.0	147.5	148.2	150.5	151.9	153.4
60°	135.0	133.5	129.1	126.9	122.4	121.7	121.7	124.6	128.3	133.5	135.0
62.5°	112.1	109.9	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.9	109.9
65°	99.6	100.3	99.6	98.8	99.6	99.6	98.8	98.8	98.8	99.6	100.3
67.5°	89.2	88.5	89.2	88.5	87.8	87.8	87.0	87.8	88.5	89.2	89.2
70°	77.4	77.4	76.7	77.4	76.7	76.0	75.2	75.2	76.7	77.4	77.4
72.5°	66.4	66.4	65.6	65.6	64.2	64.2	64.9	64.2	64.2	66.4	66.4
75°	55.3	54.6	53.8	53.8	53.1	53.1	53.1	52.4	53.8	53.8	54.6
77.5°	43.5	43.5	43.5	42.8	42.8	42.0	42.0	42.8	42.8	42.8	43.5
80°	33.2	33.2	33.2	32.5	31.7	31.7	31.7	31.7	31.7	32.5	31.7
82.5°	22.9	22.9	22.9	22.9	22.9	22.1	22.1	22.1	22.9	22.9	22.1
85°	14.0	13.3	14.0	14.0	13.3	14.0	13.3	13.3	12.5	12.5	13.3
87.5°	5.9	5.2	4.4	4.4	5.2	4.4	4.4	4.4	5.2	4.4	4.4
90°	8.1	8.2	8.3	8.4	8.6	8.7	8.6	8.4	8.3	8.2	8.1
92.5°	8.4	8.4	8.5	8.6	8.6	8.7	8.6	8.6	8.5	8.4	8.4
95°	14.2	14.2	14.1	14.0	14.0	13.9	14.0	14.0	14.1	14.2	14.2
97.5°	17.4	17.4	17.5	17.6	17.6	17.7	17.6	17.6	17.5	17.4	17.4
100°	21.0	21.1	21.2	21.3	21.5	21.6	21.5	21.3	21.2	21.1	21.0
102.5°	22.6	22.7	22.9	23.1	23.3	23.5	23.3	23.1	22.9	22.7	22.6
105°	23.2	23.3	23.6	23.9	24.2	24.5	24.2	23.9	23.6	23.3	23.2
107.5°	23.9	24.0	24.3	24.6	24.8	25.1	24.8	24.6	24.3	24.0	23.9
110°	24.2	24.3	24.6	24.9	25.2	25.5	25.2	24.9	24.6	24.3	24.2



TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	24.8	24.9	25.1	25.4	25.6	25.8	25.6	25.4	25.1	24.9	24.8
115°	49.6	47.0	41.9	36.7	31.6	26.4	31.6	36.7	41.9	47.0	49.6
117.5°	170.2	160.8	142.1	123.3	104.6	85.8	104.6	123.3	142.1	160.8	170.2
120°	240.2	235.4	225.7	216.0	206.4	196.7	206.4	216.0	225.7	235.4	240.2
122.5°	257.3	257.3	257.4	257.5	257.5	257.6	257.5	257.5	257.4	257.3	257.3
125°	274.7	274.8	275.0	275.3	275.5	275.7	275.5	275.3	275.0	274.8	274.7
127.5°	291.4	291.4	291.5	291.6	291.7	291.8	291.7	291.6	291.5	291.4	291.4
130°	306.9	306.9	306.8	306.7	306.7	306.6	306.7	306.7	306.8	306.9	306.9
132.5°	321.4	321.4	321.3	321.2	321.2	321.1	321.2	321.2	321.3	321.4	321.4
135°	335.6	335.5	335.4	335.3	335.1	335.0	335.1	335.3	335.4	335.5	335.6
137.5°	348.8	348.7	348.5	348.3	348.1	347.9	348.1	348.3	348.5	348.7	348.8
140°	361.4	361.2	360.9	360.5	360.2	359.8	360.2	360.5	360.9	361.2	361.4
142.5°	373.0	372.8	372.5	372.1	371.8	371.4	371.8	372.1	372.5	372.8	373.0
145°	383.7	383.5	383.1	382.8	382.4	382.0	382.4	382.8	383.1	383.5	383.7
147.5°	393.0	392.9	392.6	392.3	392.0	391.7	392.0	392.3	392.6	392.9	393.0
150°	402.0	401.8	401.5	401.1	400.8	400.4	400.8	401.1	401.5	401.8	402.0
152.5°	410.1	409.8	409.3	408.8	408.3	407.8	408.3	408.8	409.3	409.8	410.1
155°	417.2	416.9	416.3	415.8	415.2	414.6	415.2	415.8	416.3	416.9	417.2
157.5°	423.6	423.3	422.8	422.2	421.7	421.1	421.7	422.2	422.8	423.3	423.6
160°	428.8	428.5	428.0	427.5	427.0	426.5	427.0	427.5	428.0	428.5	428.8
162.5°	434.0	433.7	433.0	432.3	431.7	431.0	431.7	432.3	433.0	433.7	434.0
165°	437.8	437.6	437.1	436.6	436.1	435.6	436.1	436.6	437.1	437.6	437.8
167.5°	441.4	441.1	440.4	439.8	439.1	438.5	439.1	439.8	440.4	441.1	441.4
170°	443.9	443.6	442.9	442.3	441.6	441.0	441.6	442.3	442.9	443.6	443.9
172.5°	445.9	445.6	444.9	444.3	443.6	443.0	443.6	444.3	444.9	445.6	445.9
175°	447.2	446.8	446.1	445.4	444.6	443.9	444.6	445.4	446.1	446.8	447.2
177.5°	447.5	447.2	446.5	445.9	445.2	444.6	445.2	445.9	446.5	447.2	447.5
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1011.1	1014.8	1013.3	1005.2	1013.3	1015.5	1020.0	1024.4	1027.3	1031.8	1035.5
5°	947.7	955.1	959.5	955.1	969.8	972.0	982.4	988.3	997.1	1004.5	1010.4
7.5°	888.0	893.9	902.7	904.2	913.0	923.4	938.1	952.9	966.9	974.2	980.9
10°	823.8	834.1	847.4	844.4	857.7	873.9	889.4	913.0	924.8	938.1	949.9
12.5°	759.6	766.3	784.0	789.9	809.0	821.6	843.0	857.7	887.2	902.7	913.0
15°	647.5	674.8	696.9	723.5	748.6	772.2	791.3	817.9	843.7	855.5	872.5
17.5°	596.6	609.2	622.5	635.7	668.2	710.2	744.1	772.9	795.0	810.5	830.4
20°	543.5	556.1	570.8	583.4	603.3	633.5	675.6	725.0	751.5	767.7	786.9
22.5°	505.9	517.7	527.3	538.4	553.9	576.0	607.7	668.9	704.3	724.2	741.2
25°	465.4	480.1	490.4	498.6	511.1	535.4	561.2	595.9	659.3	674.8	698.4
27.5°	437.3	441.8	453.6	466.1	478.6	491.9	518.5	548.0	590.7	624.7	653.4
30°	404.2	415.2	426.3	431.4	442.5	461.7	477.9	509.6	542.8	569.4	604.0
32.5°	379.1	385.7	393.1	405.6	416.0	429.2	445.5	472.0	500.0	517.0	543.5
35°	351.1	355.5	371.0	376.1	386.5	399.7	416.0	436.6	466.8	480.1	499.3
37.5°	324.5	334.8	339.3	351.1	360.6	373.9	385.7	409.3	429.2	444.7	462.4
40°	303.9	308.3	316.4	326.7	334.8	345.2	359.9	376.9	398.3	410.8	426.3
42.5°	278.8	282.5	292.8	298.7	312.0	321.6	330.4	351.1	370.2	379.8	395.3
45°	251.5	260.3	267.0	278.8	286.2	298.0	309.0	323.8	341.5	352.5	361.4
47.5°	227.9	236.7	243.4	254.4	266.2	271.4	283.2	298.7	314.9	323.8	336.3
50°	208.7	211.7	224.2	229.4	241.9	252.2	260.3	273.6	291.3	296.5	306.8
52.5°	190.3	192.5	200.6	207.2	218.3	227.2	237.5	250.0	264.8	272.9	281.0
55°	174.1	175.5	179.2	186.6	194.0	205.0	214.6	226.4	239.0	247.8	255.2
57.5°	155.6	158.6	161.5	165.9	173.3	183.6	194.0	205.0	215.4	221.3	230.8
60°	134.2	138.7	143.8	149.0	154.1	161.5	173.3	183.6	193.2	198.4	205.8
62.5°	111.4	120.2	124.6	130.5	135.0	141.6	150.5	162.3	168.9	175.5	181.4
65°	100.3	101.0	101.8	107.7	115.8	122.4	130.5	139.4	149.7	154.1	158.6
67.5°	89.2	90.0	91.5	92.2	95.1	102.5	111.4	121.0	129.1	132.0	136.4
70°	78.2	78.2	81.1	81.9	82.6	83.3	90.7	100.3	107.7	111.4	116.5
72.5°	66.4	67.1	68.6	69.3	70.8	72.3	74.5	79.7	88.5	92.2	98.1
75°	54.6	55.3	56.1	56.8	59.0	59.7	62.0	64.9	68.6	73.0	76.7
77.5°	43.5	43.5	44.3	45.7	47.2	47.9	50.2	51.6	53.1	55.3	58.3
80°	32.5	33.2	33.2	34.7	34.7	35.4	36.1	38.4	39.8	41.3	42.8
82.5°	22.1	23.6	23.6	23.6	24.3	25.1	25.8	25.8	27.3	28.0	30.2
85°	13.3	14.0	14.0	14.0	13.3	14.8	14.8	15.5	15.5	15.5	16.2
87.5°	5.2	4.4	5.2	5.2	5.2	5.9	5.2	5.2	5.9	6.6	6.6
90°	7.9	7.5	7.2	6.8	6.4	5.8	5.3	4.7	4.2	3.9	3.5
92.5°	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.8	6.9
95°	14.0	13.7	13.3	13.0	12.6	12.1	11.6	11.1	10.6	10.3	11.5
97.5°	17.3	17.1	16.8	16.6	16.4	15.3	14.1	13.0	11.9	11.3	14.2
100°	20.7	20.1	19.6	19.0	18.4	17.2	16.0	14.7	13.5	12.9	17.8
102.5°	22.2	21.4	20.6	19.8	19.0	32.0	45.1	58.1	71.2	77.7	77.8
105°	22.8	22.0	21.3	20.5	19.7	39.3	58.8	78.4	97.9	107.7	106.6
107.5°	23.5	22.7	21.9	21.1	20.3	44.5	68.6	92.8	116.9	129.0	128.1
110°	27.8	34.9	42.1	49.2	56.4	77.1	97.8	118.5	139.2	149.6	148.8

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	40.2	71.1	102.0	132.9	163.8	165.0	166.2	167.5	168.7	169.3	168.7
115°	66.2	99.4	132.5	165.7	198.9	197.1	195.3	193.6	191.8	190.9	190.3
117.5°	175.3	185.6	195.8	206.1	216.3	215.1	213.9	212.6	211.4	210.8	210.1
120°	239.8	238.9	238.0	237.2	236.3	235.0	233.7	232.4	231.1	230.5	230.0
122.5°	257.1	256.6	256.2	255.7	255.3	253.9	252.5	251.0	249.6	248.9	248.3
125°	274.4	273.9	273.4	272.9	272.4	271.0	269.7	268.3	267.0	266.3	265.8
127.5°	291.0	290.3	289.6	288.9	288.2	287.1	286.1	285.0	283.9	283.4	282.9
130°	306.5	305.7	305.0	304.2	303.4	302.6	301.8	301.0	300.2	299.8	299.2
132.5°	321.1	320.4	319.8	319.1	318.5	317.7	316.9	316.2	315.4	315.0	314.5
135°	335.2	334.5	333.8	333.1	332.4	331.8	331.1	330.5	329.8	329.5	328.9
137.5°	348.4	347.7	347.0	346.3	345.6	344.9	344.2	343.5	342.8	342.4	342.0
140°	361.1	360.4	359.8	359.1	358.5	357.7	356.9	356.2	355.4	355.0	354.7
142.5°	372.7	372.1	371.6	371.0	370.4	369.5	368.5	367.6	366.7	366.2	366.0
145°	383.4	382.9	382.4	381.9	381.4	380.2	379.0	377.7	376.5	375.9	375.9
147.5°	392.8	392.5	392.1	391.8	391.4	390.2	389.0	387.7	386.5	385.9	386.0
150°	401.8	401.4	400.9	400.5	400.1	398.9	397.8	396.6	395.5	394.9	395.2
152.5°	409.9	409.5	409.0	408.6	408.2	407.1	406.0	404.9	403.8	403.3	403.6
155°	417.0	416.6	416.1	415.7	415.3	414.4	413.6	412.7	411.8	411.4	411.7
157.5°	423.4	422.9	422.4	421.9	421.4	420.8	420.1	419.5	418.8	418.5	418.8
160°	428.6	428.2	427.7	427.3	426.9	426.5	426.0	425.6	425.1	424.9	425.1
162.5°	433.7	433.2	432.7	432.2	431.7	431.3	431.0	430.6	430.3	430.1	430.3
165°	437.6	437.1	436.6	436.1	435.6	435.4	435.2	434.9	434.7	434.6	434.8
167.5°	441.1	440.6	440.1	439.6	439.1	438.9	438.7	438.4	438.2	438.1	438.3
170°	443.7	443.2	442.7	442.2	441.7	441.5	441.4	441.2	441.1	441.0	441.2
172.5°	445.6	445.1	444.6	444.1	443.6	443.5	443.3	443.2	443.1	443.0	443.2
175°	446.9	446.4	445.9	445.4	444.9	444.8	444.6	444.5	444.4	444.3	444.5
177.5°	447.2	446.7	446.2	445.7	445.2	445.1	445.1	445.0	444.9	444.9	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1061.3	1061.3	1061.3	1061.3
2.5°	1042.1	1039.9	1053.2	1067.9
5°	1020.7	1024.4	1041.4	1062.0
7.5°	998.6	1006.7	1026.6	1053.9
10°	967.6	982.4	1012.6	1040.6
12.5°	937.4	957.3	986.0	1019.2
15°	903.4	925.6	961.0	1000.8
17.5°	865.8	890.9	932.2	975.7
20°	826.0	859.2	902.7	949.9
22.5°	781.8	821.6	866.6	918.9
25°	739.0	782.5	827.5	888.0
27.5°	696.9	739.7	789.9	851.1
30°	654.9	694.0	747.8	813.5
32.5°	609.9	650.5	707.3	774.4
35°	568.6	609.2	662.3	728.7
37.5°	524.4	567.9	618.8	687.4
40°	472.7	523.6	573.0	638.7
42.5°	430.0	483.8	531.7	593.7
45°	396.0	446.9	486.8	547.2
47.5°	364.3	405.6	446.2	502.2
50°	334.1	365.8	407.8	458.0
52.5°	303.1	330.4	366.5	413.7
55°	275.1	300.9	333.4	369.5
57.5°	249.3	267.7	300.2	332.6
60°	220.5	239.7	264.8	292.1
62.5°	196.2	210.9	234.5	257.4
65°	170.4	184.4	202.1	223.5
67.5°	146.8	159.3	173.3	190.3
70°	125.4	135.0	145.3	160.0
72.5°	102.5	112.8	122.4	134.2
75°	84.1	88.5	96.6	104.7
77.5°	64.9	70.8	75.2	81.9
80°	46.5	51.6	53.1	58.3
82.5°	31.0	33.9	36.9	38.4
85°	17.7	19.2	22.1	22.9
87.5°	6.6	7.4	8.9	10.3
90°	2.7	1.9	1.1	0.3
92.5°	7.2	7.5	7.8	8.1
95°	13.9	16.2	18.6	21.0
97.5°	20.1	26.0	31.8	37.7
100°	27.6	37.5	47.3	57.1
102.5°	77.9	78.0	78.2	78.3
105°	104.5	102.3	100.2	98.0
107.5°	126.3	124.5	122.7	120.9
110°	147.3	145.8	144.3	142.8

TEST NUMBER: P1008404

CATALOG NUMBER: S122RDIP-B485D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	167.4	166.1	164.8	163.5
115°	189.1	187.8	186.6	185.4
117.5°	208.7	207.2	205.8	204.4
120°	228.9	227.8	226.8	225.7
122.5°	247.2	246.0	244.9	243.7
125°	264.9	264.0	263.0	262.1
127.5°	281.9	280.9	279.9	278.9
130°	298.1	297.0	295.8	294.7
132.5°	313.6	312.7	311.7	310.8
135°	327.8	326.6	325.5	324.3
137.5°	341.1	340.2	339.4	338.5
140°	354.1	353.6	353.0	352.4
142.5°	365.5	365.0	364.5	364.0
145°	376.0	376.1	376.1	376.2
147.5°	386.2	386.5	386.7	386.9
150°	395.7	396.2	396.7	397.2
152.5°	404.2	404.7	405.3	405.9
155°	412.4	413.0	413.7	414.3
157.5°	419.4	419.9	420.5	421.1
160°	425.6	426.0	426.5	426.9
162.5°	430.7	431.2	431.6	432.0
165°	435.2	435.7	436.1	436.5
167.5°	438.8	439.2	439.7	440.1
170°	441.7	442.1	442.6	443.0
172.5°	443.6	444.1	444.5	444.9
175°	445.0	445.5	446.0	446.5
177.5°	445.7	446.2	446.7	447.2
180°	445.6	445.6	445.6	445.6

(END OF REPORT)