

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: P1008418

Luminaire Tested: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008418
REPORT IS A COMBINATION OF REPORTS P988308 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K
Description: Define 2 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

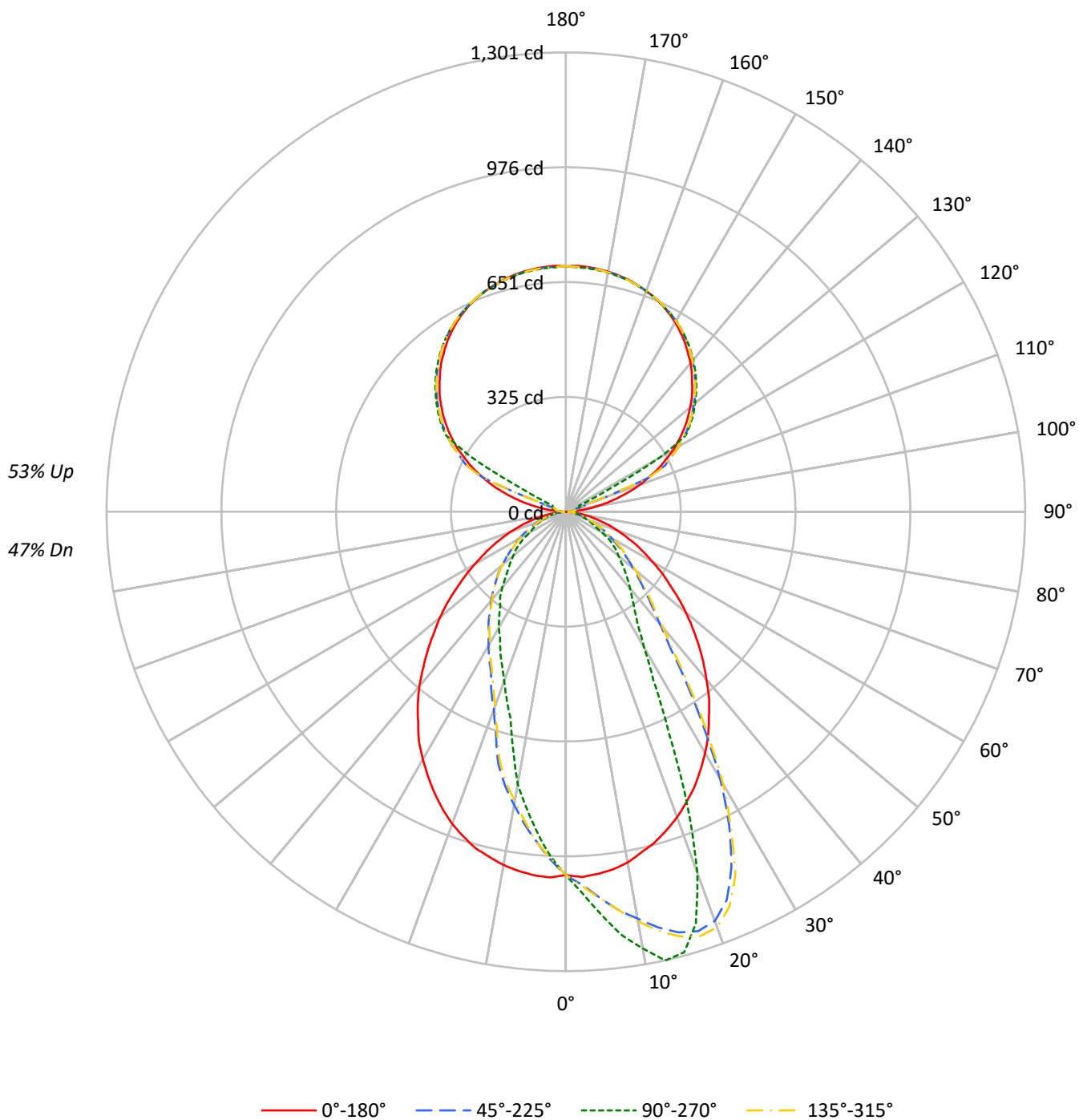
Lumens per Lamp: N/A
Luminaire Lumens: 3816.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53			47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46			41
2	90	83	77	72	82	76	71	67	64	61	58	53	51	49	43	42	40			35
3	82	73	67	61	75	68	62	57	58	53	50	48	45	42	39	37	35			31
4	76	66	58	52	69	61	54	49	52	47	43	43	40	37	35	33	31			27
5	70	59	51	45	64	55	48	43	47	42	38	39	35	33	32	30	28			24
6	65	53	45	40	59	49	43	38	42	37	33	36	32	29	30	27	25			22
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	24	22			20
8	56	44	37	32	51	41	35	30	36	30	27	30	26	23	25	22	20			18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19			16
10	49	37	30	26	45	35	29	24	30	25	22	26	22	20	22	19	17			15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16287	16287	16287	16287
5°	16324	17299	16381	13820
10°	16144	18284	16259	11412
15°	15794	18290	16062	8573
20°	15373	15118	15707	7073
25°	14861	9446	15182	6017
30°	14209	6048	14596	5181
35°	13416	4648	13851	4433
40°	12532	3907	13066	3878
45°	11586	3325	12071	3255
50°	10618	2826	11113	2816
55°	9545	2455	10059	2424
60°	8591	1872	9046	1850
65°	7700	1409	8159	1598
70°	6721	1125	7245	1302
75°	5678	861	6198	986
80°	4511	587	4854	645
85°	3136	303	3433	320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 14898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	2.6
10°-20°	272.4	7.1
20°-30°	350.6	9.2
30°-40°	332.6	8.7
40°-50°	285.0	7.5
50°-60°	217.1	5.7
60°-70°	136.9	3.6
70°-80°	68.3	1.8
80°-90°	18.8	0.5
90°-100°	22.9	0.6
100°-110°	85.4	2.2
110°-120°	226.5	5.9
120°-130°	375.7	9.8
130°-140°	399.0	10.5
140°-150°	370.9	9.7
150°-160°	298.2	7.8
160°-170°	192.1	5.0
170°-180°	66.1	1.7
0°-30°	720.6	18.9
0°-40°	1053.1	27.6
0°-60°	1555.3	40.8
0°-90°	1779.2	46.6
90°-120°	334.8	8.8
90°-150°	1480.4	38.8
90°-180°	2037.0	53.4
0°-180°	3816.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1029	1029	1029	1029	1029	
5°	1030	1145	1033	914	1030	98
15°	970	1292	987	606	970	273
25°	861	689	879	439	861	395
35°	706	340	729	324	706	442
45°	530	236	553	231	530	409
55°	358	164	378	162	358	323
65°	217	85	230	96	217	215
75°	102	45	111	52	102	110
85°	22	13	24	14	22	25
90°	0	14	0	14	0	3
95°	33	22	33	22	33	39
105°	153	38	153	38	153	163
115°	289	41	289	41	289	285
125°	409	430	409	430	409	365
135°	506	522	506	522	506	391
145°	587	596	587	596	587	367
155°	646	646	646	646	646	298
165°	681	679	681	679	681	192
175°	696	692	696	692	696	66
180°	695	695	695	695	695	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1035.3	1039.6	1041.7	1044.6	1051.0	1055.3	1061.8	1063.2	1062.5	1065.3	1057.5
5°	1029.6	1038.9	1047.5	1054.6	1066.0	1073.2	1081.1	1090.3	1092.5	1103.2	1096.8
7.5°	1021.7	1035.3	1047.5	1061.8	1078.9	1088.2	1100.4	1114.7	1121.1	1134.0	1137.5
10°	1008.8	1028.1	1048.9	1063.9	1087.5	1103.9	1115.4	1138.3	1153.3	1172.6	1169.7
12.5°	988.1	1013.1	1041.0	1066.0	1096.8	1107.5	1129.0	1152.6	1171.9	1189.7	1205.5
15°	970.2	998.8	1029.6	1060.3	1095.4	1115.4	1136.8	1167.6	1188.3	1219.8	1233.3
17.5°	945.9	982.4	1018.9	1053.2	1094.6	1117.5	1144.0	1174.0	1204.7	1234.8	1245.5
20°	920.9	960.2	999.5	1046.0	1093.2	1115.4	1142.5	1179.7	1209.8	1233.3	1233.3
22.5°	890.9	938.8	983.8	1028.1	1079.6	1111.8	1139.7	1183.3	1204.7	1209.8	1190.4
25°	860.8	908.7	958.1	1013.1	1071.8	1100.4	1131.8	1172.6	1179.7	1159.7	1109.7
27.5°	825.1	878.7	934.5	993.8	1055.3	1091.1	1119.7	1146.8	1133.2	1079.6	1001.7
30°	788.6	846.5	909.5	965.9	1040.3	1073.2	1097.5	1105.4	1062.5	975.2	874.4
32.5°	750.7	807.2	873.7	941.6	1016.7	1048.2	1063.9	1043.2	964.5	854.4	731.4
35°	706.4	770.0	839.4	910.2	984.5	1008.1	1017.4	966.7	865.8	723.6	601.3
37.5°	666.4	730.0	804.4	876.6	948.8	961.7	952.4	873.0	745.0	604.2	484.8
40°	619.2	687.1	760.0	840.8	900.2	903.7	880.9	777.9	619.2	486.9	413.3
42.5°	575.6	644.2	717.1	799.4	844.4	832.2	801.5	666.4	516.9	419.7	360.4
45°	530.5	595.6	674.2	747.2	779.3	750.7	704.3	560.5	434.0	361.1	315.3
47.5°	486.9	547.7	625.6	695.7	701.4	669.2	614.2	469.7	376.1	317.5	280.3
50°	444.0	504.8	577.7	635.6	629.9	585.6	523.4	408.3	326.7	280.3	249.5
52.5°	401.1	456.2	526.9	572.7	548.4	505.5	444.0	346.1	285.3	244.5	220.9
55°	358.2	409.7	470.5	508.4	469.7	420.4	376.8	296.7	247.4	214.5	196.6
57.5°	322.5	363.2	419.0	441.9	395.4	356.8	318.9	255.2	214.5	190.9	170.2
60°	283.1	320.3	366.1	379.7	331.8	300.3	268.1	215.9	183.8	163.0	149.4
62.5°	249.5	280.3	315.3	315.3	273.1	249.5	225.2	180.9	154.4	138.0	131.6
65°	216.6	238.8	263.8	261.0	225.2	204.5	185.2	149.4	129.4	118.0	111.5
67.5°	184.5	201.6	218.1	208.1	182.3	164.4	146.6	120.8	107.2	99.4	90.8
70°	155.2	168.7	177.3	168.0	142.3	127.3	114.4	97.2	86.5	76.5	71.5
72.5°	130.1	135.8	138.7	127.3	105.8	97.2	87.9	75.8	66.5	61.5	60.1
75°	101.5	106.5	104.4	95.8	77.9	71.5	64.3	55.8	53.6	50.8	49.3
77.5°	79.4	79.4	75.8	67.9	55.8	50.8	47.9	43.6	41.5	40.8	39.3
80°	56.5	55.8	53.6	45.0	37.9	35.0	35.0	32.2	31.5	30.0	30.0
82.5°	37.2	37.2	34.3	27.2	25.0	24.3	23.6	22.2	22.2	21.4	21.4
85°	22.2	20.7	17.2	15.0	14.3	14.3	13.6	12.9	13.6	12.9	12.9
87.5°	10.0	7.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
90°	0.5	1.7	2.9	4.2	5.4	6.0	6.5	7.4	8.3	9.2	10.1
92.5°	12.6	12.2	11.7	11.3	10.8	10.6	10.8	11.1	11.4	11.8	12.1
95°	32.7	29.0	25.3	21.6	17.9	16.1	16.5	17.3	18.0	18.8	19.6
97.5°	58.8	49.6	40.5	31.3	22.2	17.6	18.5	20.3	22.0	23.8	25.6
100°	89.0	73.7	58.4	43.1	27.8	20.1	21.1	23.0	24.9	26.8	28.7
102.5°	122.2	122.0	121.8	121.5	121.3	121.2	111.0	90.7	70.4	50.0	29.7
105°	152.8	156.2	159.5	162.9	166.2	167.9	152.7	122.2	91.7	61.2	30.7
107.5°	188.5	191.3	194.1	196.9	199.7	201.1	182.3	144.6	107.0	69.3	31.7
110°	222.7	225.1	227.4	229.8	232.1	233.3	217.2	184.9	152.6	120.3	88.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	254.9	256.9	258.9	260.9	262.9	263.9	263.0	261.1	259.2	257.3	255.4
115°	289.1	291.0	292.9	294.8	296.7	297.6	299.0	301.8	304.6	307.4	310.2
117.5°	318.7	320.9	323.2	325.4	327.7	328.8	329.7	331.6	333.5	335.4	337.3
120°	351.9	353.6	355.2	356.9	358.6	359.4	360.4	362.4	364.5	366.5	368.5
122.5°	380.1	381.9	383.7	385.4	387.2	388.1	389.2	391.5	393.7	396.0	398.2
125°	408.7	410.1	411.6	413.0	414.5	415.2	416.3	418.4	420.5	422.7	424.8
127.5°	434.9	436.5	438.0	439.6	441.1	441.9	442.7	444.4	446.1	447.7	449.4
130°	459.5	461.3	463.1	464.8	466.6	467.5	468.1	469.4	470.6	471.9	473.1
132.5°	484.6	486.1	487.5	489.0	490.5	491.2	491.8	493.0	494.3	495.5	496.7
135°	505.7	507.5	509.3	511.1	512.9	513.8	514.3	515.3	516.3	517.3	518.3
137.5°	527.9	529.2	530.6	531.9	533.2	533.9	534.5	535.6	536.7	537.8	538.9
140°	549.5	550.4	551.3	552.2	553.1	553.5	554.1	555.3	556.6	557.8	559.0
142.5°	567.6	568.4	569.2	569.9	570.7	571.1	571.8	573.3	574.7	576.2	577.6
145°	586.7	586.6	586.5	586.4	586.3	586.2	587.1	589.0	590.9	592.8	594.7
147.5°	603.3	603.0	602.6	602.3	602.0	601.8	602.7	604.6	606.5	608.4	610.3
150°	619.3	618.5	617.7	617.0	616.2	615.8	616.7	618.5	620.3	622.1	623.9
152.5°	632.9	632.0	631.1	630.2	629.3	628.9	629.7	631.4	633.1	634.7	636.4
155°	646.0	645.0	644.0	643.0	642.0	641.5	642.2	643.5	644.8	646.2	647.5
157.5°	656.5	655.6	654.7	653.8	652.9	652.5	653.0	654.0	655.1	656.1	657.1
160°	665.6	664.9	664.3	663.6	662.9	662.6	662.9	663.6	664.3	664.9	665.6
162.5°	673.6	672.9	672.3	671.6	670.9	670.6	670.9	671.4	672.0	672.5	673.1
165°	680.7	680.0	679.4	678.7	678.0	677.7	677.9	678.2	678.5	678.9	679.2
167.5°	686.2	685.5	684.9	684.2	683.5	683.2	683.4	683.7	684.0	684.4	684.7
170°	690.7	690.0	689.4	688.7	688.0	687.7	687.8	688.0	688.3	688.5	688.7
172.5°	693.7	693.0	692.4	691.7	691.0	690.7	690.8	691.0	691.3	691.5	691.7
175°	696.3	695.5	694.7	693.9	693.1	692.7	692.8	693.0	693.3	693.5	693.7
177.5°	697.3	696.5	695.7	694.9	694.1	693.7	693.8	693.9	694.0	694.2	694.3
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1065.3	1066.8	1068.9	1078.9	1080.3	1083.2	1081.8	1081.8	1082.5	1081.1	1081.8
5°	1111.1	1113.2	1124.0	1136.1	1139.0	1136.1	1139.7	1144.7	1144.7	1144.7	1143.3
7.5°	1154.0	1161.8	1174.0	1191.9	1195.5	1199.0	1205.5	1201.2	1202.6	1209.0	1206.9
10°	1195.5	1206.9	1220.5	1235.5	1243.4	1248.4	1251.2	1257.7	1272.7	1255.5	1261.9
12.5°	1234.8	1251.2	1265.5	1282.0	1287.7	1294.1	1296.3	1302.0	1302.0	1301.3	1306.3
15°	1260.5	1275.5	1288.4	1299.1	1300.6	1299.1	1297.7	1298.4	1300.6	1292.0	1297.0
17.5°	1266.2	1267.7	1272.0	1267.7	1268.4	1253.4	1244.8	1242.6	1222.6	1223.3	1239.8
20°	1238.4	1214.0	1207.6	1184.0	1169.7	1131.1	1129.7	1118.9	1076.8	1089.6	1086.8
22.5°	1161.8	1120.4	1065.3	1038.2	1024.6	983.8	952.4	930.2	915.2	900.2	893.7
25°	1061.0	993.8	915.9	862.3	854.4	816.5	758.6	731.4	699.3	689.2	706.4
27.5°	930.9	843.7	755.7	673.5	658.5	624.2	594.9	575.6	538.4	536.2	537.7
30°	754.3	666.4	592.7	539.1	501.9	486.2	466.9	452.6	437.6	443.3	444.7
32.5°	619.9	536.2	467.6	439.0	421.8	411.8	395.4	386.1	379.7	377.5	376.8
35°	492.6	436.9	406.1	378.2	368.2	361.1	348.9	344.6	338.9	339.6	339.6
37.5°	421.8	375.4	352.5	338.2	328.9	325.3	317.5	313.2	309.6	308.2	310.3
40°	363.9	331.8	317.5	304.6	296.7	295.3	291.0	286.0	281.7	282.4	284.6
42.5°	321.7	303.2	286.0	276.0	270.3	268.1	264.5	261.0	261.0	258.8	258.1
45°	288.1	273.1	258.8	249.5	246.0	243.1	238.8	238.1	235.2	235.9	236.7
47.5°	258.1	246.0	235.2	225.9	222.4	221.6	217.4	214.5	214.5	213.8	213.1
50°	230.9	218.8	209.5	204.5	199.5	198.1	197.3	196.6	195.2	195.2	195.9
52.5°	208.8	196.6	189.5	185.2	182.3	180.9	180.9	180.2	180.2	180.2	179.5
55°	184.5	174.5	168.7	167.3	165.9	165.2	164.4	163.0	162.3	163.7	162.3
57.5°	161.6	158.0	153.0	151.6	148.0	148.0	145.9	144.4	143.0	144.4	144.4
60°	143.7	138.7	135.8	131.6	128.7	125.8	122.3	121.5	120.1	119.4	118.7
62.5°	125.1	120.8	113.7	107.2	103.0	100.1	98.7	98.0	98.0	97.2	97.2
65°	104.4	94.4	90.8	88.7	87.9	87.2	85.8	85.1	85.8	85.1	85.8
67.5°	81.5	80.1	77.9	76.5	75.8	75.1	75.1	74.4	74.4	74.4	74.4
70°	70.8	67.2	66.5	65.1	65.1	64.3	64.3	64.3	64.3	63.6	65.1
72.5°	58.6	56.5	55.8	55.1	55.1	55.1	54.3	54.3	54.3	53.6	54.3
75°	47.9	47.2	45.8	45.8	45.0	45.8	45.0	45.0	44.3	45.0	45.0
77.5°	38.6	37.9	37.2	37.2	36.5	36.5	36.5	36.5	36.5	36.5	37.2
80°	29.3	28.6	27.9	28.6	27.9	28.6	27.9	27.9	28.6	27.9	27.9
82.5°	21.4	20.7	20.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
85°	12.9	12.2	12.2	12.9	12.2	12.9	12.2	12.2	12.2	12.9	12.9
87.5°	5.7	6.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.4
90°	10.7	11.2	11.8	12.3	12.6	12.7	12.9	13.2	13.4	13.6	13.4
92.5°	12.3	12.5	12.8	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.5
95°	20.2	20.7	21.3	21.8	22.1	22.0	21.9	21.8	21.7	21.6	21.7
97.5°	25.9	26.3	26.6	26.9	27.1	27.2	27.3	27.4	27.5	27.6	27.5
100°	29.6	30.5	31.4	32.3	32.7	32.8	33.0	33.3	33.5	33.7	33.5
102.5°	30.9	32.1	33.4	34.6	35.2	35.4	35.7	36.0	36.4	36.7	36.4
105°	31.9	33.1	34.4	35.6	36.2	36.4	36.9	37.3	37.8	38.2	37.8
107.5°	32.9	34.1	35.4	36.6	37.2	37.4	37.9	38.3	38.8	39.2	38.8
110°	76.8	65.6	54.5	43.3	37.7	37.9	38.4	38.8	39.3	39.7	39.3

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	207.2	159.1	110.9	62.8	38.7	38.9	39.2	39.5	39.9	40.2	39.9
115°	258.5	206.7	155.0	103.3	77.4	73.4	65.3	57.3	49.2	41.2	49.2
117.5°	321.3	305.3	289.4	273.4	265.4	250.8	221.5	192.2	163.0	133.7	163.0
120°	369.8	371.2	372.5	373.8	374.5	367.0	351.9	336.8	321.8	306.7	321.8
122.5°	398.9	399.5	400.2	400.9	401.2	401.3	401.4	401.5	401.6	401.7	401.6
125°	425.6	426.4	427.1	427.9	428.3	428.5	428.8	429.1	429.5	429.8	429.5
127.5°	450.5	451.7	452.8	453.9	454.5	454.6	454.7	454.8	454.9	455.0	454.9
130°	474.3	475.5	476.8	478.0	478.6	478.5	478.4	478.3	478.2	478.1	478.2
132.5°	497.7	498.7	499.7	500.7	501.2	501.1	501.0	500.9	500.8	500.7	500.8
135°	519.4	520.5	521.6	522.7	523.3	523.2	523.0	522.7	522.5	522.3	522.5
137.5°	540.0	541.1	542.2	543.3	543.9	543.7	543.4	543.1	542.7	542.4	542.7
140°	560.0	561.0	562.0	563.0	563.5	563.2	562.7	562.1	561.6	561.0	561.6
142.5°	578.5	579.4	580.3	581.2	581.6	581.3	580.8	580.2	579.7	579.1	579.7
145°	595.5	596.3	597.0	597.8	598.2	597.9	597.4	596.8	596.3	595.7	596.3
147.5°	610.9	611.4	612.0	612.5	612.8	612.6	612.1	611.7	611.2	610.8	611.2
150°	624.6	625.2	625.9	626.6	626.9	626.6	626.1	625.5	625.0	624.4	625.0
152.5°	637.1	637.8	638.5	639.2	639.5	639.1	638.3	637.5	636.7	635.9	636.7
155°	648.2	648.8	649.5	650.2	650.5	650.1	649.2	648.3	647.4	646.5	647.4
157.5°	657.9	658.7	659.4	660.2	660.6	660.1	659.2	658.3	657.4	656.5	657.4
160°	666.3	666.9	667.6	668.3	668.6	668.2	667.4	666.7	665.9	665.1	665.9
162.5°	673.9	674.7	675.5	676.3	676.7	676.2	675.2	674.1	673.1	672.1	673.1
165°	680.0	680.8	681.5	682.3	682.7	682.3	681.5	680.8	680.0	679.2	680.0
167.5°	685.5	686.3	687.0	687.8	688.2	687.7	686.7	685.7	684.7	683.7	684.7
170°	689.5	690.3	691.0	691.8	692.2	691.7	690.7	689.7	688.7	687.7	688.7
172.5°	692.5	693.3	694.1	694.9	695.3	694.8	693.8	692.7	691.7	690.7	691.7
175°	694.5	695.3	696.1	696.9	697.3	696.7	695.6	694.5	693.3	692.2	693.3
177.5°	695.1	695.9	696.6	697.4	697.8	697.3	696.3	695.2	694.2	693.2	694.2
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1084.6	1079.6	1078.2	1079.6	1078.2	1078.9	1073.9	1055.3	1060.3	1052.5	1056.7
5°	1146.1	1141.8	1132.5	1131.1	1129.7	1128.2	1121.1	1104.6	1098.2	1087.5	1086.8
7.5°	1204.7	1204.7	1197.6	1192.6	1186.2	1181.2	1171.9	1147.5	1137.5	1124.7	1117.5
10°	1262.7	1244.1	1251.9	1246.9	1231.2	1228.3	1211.2	1196.9	1177.6	1164.7	1153.3
12.5°	1304.1	1298.4	1291.3	1287.0	1282.7	1273.4	1261.9	1225.5	1215.5	1189.7	1176.9
15°	1302.7	1299.1	1301.3	1301.3	1299.8	1297.7	1288.4	1261.9	1244.8	1219.8	1197.6
17.5°	1232.6	1241.9	1251.2	1257.7	1272.0	1278.4	1287.0	1271.2	1260.5	1239.1	1215.5
20°	1110.4	1133.2	1160.4	1166.1	1179.0	1216.9	1234.1	1247.6	1251.9	1244.8	1225.5
22.5°	940.2	959.5	1025.3	1023.9	1042.4	1087.5	1137.5	1178.3	1210.5	1228.3	1221.2
25°	736.4	763.6	798.6	825.1	885.9	953.1	1015.3	1080.3	1136.1	1185.4	1197.6
27.5°	557.0	592.7	620.6	655.6	686.4	765.7	845.8	947.4	1012.4	1106.1	1154.7
30°	450.4	466.9	494.8	511.2	526.2	587.0	677.8	777.9	892.3	1000.3	1083.9
32.5°	384.7	396.1	416.8	424.0	439.7	480.5	537.7	629.2	747.2	878.0	988.1
35°	345.3	357.5	361.8	368.2	381.1	406.8	446.1	512.6	619.2	747.2	878.7
37.5°	311.7	318.2	330.3	334.6	338.9	358.2	384.7	431.1	501.9	607.0	752.9
40°	288.1	291.7	298.1	301.7	304.6	318.2	341.8	373.2	425.4	505.5	639.9
42.5°	263.1	267.4	271.7	276.0	279.6	290.3	304.6	334.6	369.6	430.4	527.7
45°	238.8	241.7	246.7	249.5	254.5	263.1	276.0	296.7	328.2	366.8	445.4
47.5°	216.6	220.2	222.4	225.9	229.5	238.8	251.0	264.5	290.3	328.2	385.4
50°	196.6	200.9	203.8	204.5	207.3	215.9	225.9	240.9	257.4	286.7	336.8
52.5°	182.3	183.0	185.2	188.0	187.3	192.3	201.6	213.1	230.2	253.8	290.3
55°	165.9	168.0	169.5	170.2	170.2	174.5	179.5	190.2	203.8	223.1	253.8
57.5°	145.1	147.3	151.6	153.0	155.2	157.3	159.4	166.6	178.0	196.6	221.6
60°	123.7	125.1	129.4	132.3	133.7	139.4	142.3	148.0	154.4	168.0	191.6
62.5°	99.4	100.8	103.0	105.8	108.7	117.3	124.4	130.1	135.1	144.4	163.7
65°	86.5	87.2	88.7	89.4	90.1	93.7	100.1	108.0	117.3	124.4	135.8
67.5°	75.1	75.8	76.5	77.9	78.6	79.4	82.2	84.4	93.7	103.7	112.3
70°	64.3	65.8	66.5	66.5	67.2	68.6	70.1	72.9	75.8	80.8	91.5
72.5°	54.3	55.1	56.5	56.5	56.5	57.9	59.3	60.8	62.2	65.1	69.4
75°	45.0	46.5	46.5	46.5	47.2	47.2	48.6	50.0	51.5	53.6	55.1
77.5°	37.2	37.2	37.2	37.2	37.9	37.9	38.6	40.0	40.8	41.5	42.9
80°	27.9	28.6	28.6	28.6	29.3	29.3	29.3	30.7	31.5	31.5	32.9
82.5°	20.7	20.7	20.7	21.4	20.7	21.4	21.4	22.2	21.4	22.2	22.9
85°	12.9	12.9	12.9	13.6	13.6	13.6	13.6	13.6	13.6	13.6	14.3
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.1	6.4	6.4
90°	13.2	12.9	12.7	12.6	12.3	11.8	11.2	10.7	10.1	9.2	8.3
92.5°	13.4	13.3	13.2	13.1	13.0	12.8	12.5	12.3	12.1	11.8	11.4
95°	21.8	21.9	22.0	22.1	21.8	21.3	20.7	20.2	19.6	18.8	18.0
97.5°	27.4	27.3	27.2	27.1	26.9	26.6	26.3	25.9	25.6	23.8	22.0
100°	33.3	33.0	32.8	32.7	32.3	31.4	30.5	29.6	28.7	26.8	24.9
102.5°	36.0	35.7	35.4	35.2	34.6	33.4	32.1	30.9	29.7	50.0	70.4
105°	37.3	36.9	36.4	36.2	35.6	34.4	33.1	31.9	30.7	61.2	91.7
107.5°	38.3	37.9	37.4	37.2	36.6	35.4	34.1	32.9	31.7	69.3	107.0
110°	38.8	38.4	37.9	37.7	43.3	54.5	65.6	76.8	88.0	120.3	152.6

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	39.5	39.2	38.9	38.7	62.8	110.9	159.1	207.2	255.4	257.3	259.2
115°	57.3	65.3	73.4	77.4	103.3	155.0	206.7	258.5	310.2	307.4	304.6
117.5°	192.2	221.5	250.8	265.4	273.4	289.4	305.3	321.3	337.3	335.4	333.5
120°	336.8	351.9	367.0	374.5	373.8	372.5	371.2	369.8	368.5	366.5	364.5
122.5°	401.5	401.4	401.3	401.2	400.9	400.2	399.5	398.9	398.2	396.0	393.7
125°	429.1	428.8	428.5	428.3	427.9	427.1	426.4	425.6	424.8	422.7	420.5
127.5°	454.8	454.7	454.6	454.5	453.9	452.8	451.7	450.5	449.4	447.7	446.1
130°	478.3	478.4	478.5	478.6	478.0	476.8	475.5	474.3	473.1	471.9	470.6
132.5°	500.9	501.0	501.1	501.2	500.7	499.7	498.7	497.7	496.7	495.5	494.3
135°	522.7	523.0	523.2	523.3	522.7	521.6	520.5	519.4	518.3	517.3	516.3
137.5°	543.1	543.4	543.7	543.9	543.3	542.2	541.1	540.0	538.9	537.8	536.7
140°	562.1	562.7	563.2	563.5	563.0	562.0	561.0	560.0	559.0	557.8	556.6
142.5°	580.2	580.8	581.3	581.6	581.2	580.3	579.4	578.5	577.6	576.2	574.7
145°	596.8	597.4	597.9	598.2	597.8	597.0	596.3	595.5	594.7	592.8	590.9
147.5°	611.7	612.1	612.6	612.8	612.5	612.0	611.4	610.9	610.3	608.4	606.5
150°	625.5	626.1	626.6	626.9	626.6	625.9	625.2	624.6	623.9	622.1	620.3
152.5°	637.5	638.3	639.1	639.5	639.2	638.5	637.8	637.1	636.4	634.7	633.1
155°	648.3	649.2	650.1	650.5	650.2	649.5	648.8	648.2	647.5	646.2	644.8
157.5°	658.3	659.2	660.1	660.6	660.2	659.4	658.7	657.9	657.1	656.1	655.1
160°	666.7	667.4	668.2	668.6	668.3	667.6	666.9	666.3	665.6	664.9	664.3
162.5°	674.1	675.2	676.2	676.7	676.3	675.5	674.7	673.9	673.1	672.5	672.0
165°	680.8	681.5	682.3	682.7	682.3	681.5	680.8	680.0	679.2	678.9	678.5
167.5°	685.7	686.7	687.7	688.2	687.8	687.0	686.3	685.5	684.7	684.4	684.0
170°	689.7	690.7	691.7	692.2	691.8	691.0	690.3	689.5	688.7	688.5	688.3
172.5°	692.7	693.8	694.8	695.3	694.9	694.1	693.3	692.5	691.7	691.5	691.3
175°	694.5	695.6	696.7	697.3	696.9	696.1	695.3	694.5	693.7	693.5	693.3
177.5°	695.2	696.3	697.3	697.8	697.4	696.6	695.9	695.1	694.3	694.2	694.0
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1050.3	1046.7	1046.7	1044.6	1044.6	1033.2	1033.2	1036.7	1032.4	1027.4	1020.3
5°	1077.5	1069.6	1067.5	1064.6	1055.3	1041.0	1035.3	1033.2	1024.6	1013.8	1001.7
7.5°	1103.2	1090.3	1083.9	1077.5	1065.3	1045.3	1033.9	1026.0	1013.1	996.7	981.0
10°	1128.2	1111.8	1095.4	1087.5	1070.3	1045.3	1028.9	1016.0	997.4	975.2	953.1
12.5°	1151.1	1116.8	1113.9	1098.2	1073.2	1044.6	1019.6	1001.0	977.4	951.6	925.9
15°	1171.1	1136.1	1118.9	1104.6	1071.8	1036.0	1009.6	986.7	955.2	925.9	894.4
17.5°	1181.2	1143.3	1131.8	1108.2	1074.6	1028.1	992.4	964.5	930.2	895.2	859.4
20°	1191.2	1146.8	1128.2	1111.8	1066.0	1013.1	973.1	940.9	903.0	861.6	822.2
22.5°	1196.2	1146.8	1124.7	1101.8	1057.5	996.7	949.5	911.6	867.3	825.1	777.9
25°	1187.6	1142.5	1116.1	1092.5	1042.4	976.7	922.3	879.4	832.2	784.3	736.4
27.5°	1166.1	1132.5	1101.8	1077.5	1021.7	950.9	893.7	845.1	796.5	742.9	694.2
30°	1126.1	1111.1	1086.8	1059.6	998.8	928.0	860.1	810.1	756.5	702.8	652.1
32.5°	1063.9	1076.8	1061.0	1037.4	971.7	896.6	824.4	773.6	715.0	657.1	610.6
35°	988.1	1033.9	1025.3	1008.8	943.1	863.0	790.8	729.3	670.7	612.0	565.6
37.5°	905.2	974.5	981.7	971.7	910.2	828.7	749.3	689.2	629.2	569.8	522.7
40°	791.5	898.0	920.9	925.2	875.9	787.2	704.3	645.6	586.3	528.4	471.2
42.5°	687.1	821.5	850.1	868.0	832.2	746.4	662.8	597.7	539.1	486.9	429.7
45°	589.1	729.3	775.8	798.6	782.9	700.0	613.5	552.7	499.1	451.2	396.1
47.5°	488.3	629.2	694.2	730.7	730.7	652.8	566.3	506.2	454.7	414.0	365.4
50°	421.1	538.4	605.6	653.5	666.4	604.9	523.4	464.7	416.1	371.8	334.6
52.5°	358.9	464.0	519.8	569.8	607.0	553.4	475.5	422.6	374.7	333.2	303.9
55°	310.3	389.0	439.7	494.8	536.2	501.2	429.0	377.5	336.0	301.7	276.7
57.5°	263.8	332.5	373.9	422.6	466.9	440.4	382.5	338.2	301.7	271.7	249.5
60°	224.5	280.3	312.4	350.3	405.4	386.8	338.9	298.1	268.8	241.7	223.1
62.5°	190.9	235.2	262.4	289.6	339.6	331.0	293.9	262.4	237.4	214.5	198.8
65°	156.6	193.0	214.5	238.1	278.1	281.7	251.7	229.5	206.6	186.6	172.3
67.5°	126.6	155.2	174.5	194.5	226.6	236.7	215.9	197.3	178.0	161.6	148.7
70°	102.2	122.3	136.6	152.3	178.7	190.9	180.2	167.3	151.6	138.0	126.6
72.5°	80.8	93.7	102.2	114.4	135.8	148.0	147.3	135.8	124.4	115.1	105.8
75°	59.3	69.4	76.5	84.4	101.5	113.0	115.8	110.8	99.4	92.2	85.1
77.5°	45.0	50.8	54.3	60.1	72.2	82.2	86.5	85.1	77.2	71.5	66.5
80°	34.3	35.7	37.2	39.3	49.3	58.6	61.5	60.8	56.5	54.3	48.6
82.5°	24.3	25.0	25.7	26.5	30.0	37.9	40.8	42.2	38.6	36.5	31.5
85°	14.3	15.0	15.0	16.4	17.2	19.3	24.3	24.3	23.6	20.7	20.0
87.5°	7.1	7.1	6.4	6.4	7.1	7.9	9.3	10.7	9.3	8.6	7.9
90°	7.4	6.5	6.0	5.4	4.2	2.9	1.7	0.5	1.7	2.9	4.2
92.5°	11.1	10.8	10.6	10.8	11.3	11.7	12.2	12.6	12.2	11.7	11.3
95°	17.3	16.5	16.1	17.9	21.6	25.3	29.0	32.7	29.0	25.3	21.6
97.5°	20.3	18.5	17.6	22.2	31.3	40.5	49.6	58.8	49.6	40.5	31.3
100°	23.0	21.1	20.1	27.8	43.1	58.4	73.7	89.0	73.7	58.4	43.1
102.5°	90.7	111.0	121.2	121.3	121.5	121.8	122.0	122.2	122.0	121.8	121.5
105°	122.2	152.7	167.9	166.2	162.9	159.5	156.2	152.8	156.2	159.5	162.9
107.5°	144.6	182.3	201.1	199.7	196.9	194.1	191.3	188.5	191.3	194.1	196.9
110°	184.9	217.2	233.3	232.1	229.8	227.4	225.1	222.7	225.1	227.4	229.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	261.1	263.0	263.9	262.9	260.9	258.9	256.9	254.9	256.9	258.9	260.9
115°	301.8	299.0	297.6	296.7	294.8	292.9	291.0	289.1	291.0	292.9	294.8
117.5°	331.6	329.7	328.8	327.7	325.4	323.2	320.9	318.7	320.9	323.2	325.4
120°	362.4	360.4	359.4	358.6	356.9	355.2	353.6	351.9	353.6	355.2	356.9
122.5°	391.5	389.2	388.1	387.2	385.4	383.7	381.9	380.1	381.9	383.7	385.4
125°	418.4	416.3	415.2	414.5	413.0	411.6	410.1	408.7	410.1	411.6	413.0
127.5°	444.4	442.7	441.9	441.1	439.6	438.0	436.5	434.9	436.5	438.0	439.6
130°	469.4	468.1	467.5	466.6	464.8	463.1	461.3	459.5	461.3	463.1	464.8
132.5°	493.0	491.8	491.2	490.5	489.0	487.5	486.1	484.6	486.1	487.5	489.0
135°	515.3	514.3	513.8	512.9	511.1	509.3	507.5	505.7	507.5	509.3	511.1
137.5°	535.6	534.5	533.9	533.2	531.9	530.6	529.2	527.9	529.2	530.6	531.9
140°	555.3	554.1	553.5	553.1	552.2	551.3	550.4	549.5	550.4	551.3	552.2
142.5°	573.3	571.8	571.1	570.7	569.9	569.2	568.4	567.6	568.4	569.2	569.9
145°	589.0	587.1	586.2	586.3	586.4	586.5	586.6	586.7	586.6	586.5	586.4
147.5°	604.6	602.7	601.8	602.0	602.3	602.6	603.0	603.3	603.0	602.6	602.3
150°	618.5	616.7	615.8	616.2	617.0	617.7	618.5	619.3	618.5	617.7	617.0
152.5°	631.4	629.7	628.9	629.3	630.2	631.1	632.0	632.9	632.0	631.1	630.2
155°	643.5	642.2	641.5	642.0	643.0	644.0	645.0	646.0	645.0	644.0	643.0
157.5°	654.0	653.0	652.5	652.9	653.8	654.7	655.6	656.5	655.6	654.7	653.8
160°	663.6	662.9	662.6	662.9	663.6	664.3	664.9	665.6	664.9	664.3	663.6
162.5°	671.4	670.9	670.6	670.9	671.6	672.3	672.9	673.6	672.9	672.3	671.6
165°	678.2	677.9	677.7	678.0	678.7	679.4	680.0	680.7	680.0	679.4	678.7
167.5°	683.7	683.4	683.2	683.5	684.2	684.9	685.5	686.2	685.5	684.9	684.2
170°	688.0	687.8	687.7	688.0	688.7	689.4	690.0	690.7	690.0	689.4	688.7
172.5°	691.0	690.8	690.7	691.0	691.7	692.4	693.0	693.7	693.0	692.4	691.7
175°	693.0	692.8	692.7	693.1	693.9	694.7	695.5	696.3	695.5	694.7	693.9
177.5°	693.9	693.8	693.7	694.1	694.9	695.7	696.5	697.3	696.5	695.7	694.9
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1017.4	1018.1	1020.3	1013.8	1003.8	999.5	986.7	984.5	982.4	982.4	984.5
5°	994.5	991.7	992.4	980.2	965.9	957.4	939.5	942.3	933.1	927.3	928.8
7.5°	969.5	961.7	960.9	945.2	927.3	911.6	893.0	888.7	880.1	870.1	865.8
10°	938.1	932.3	921.6	903.7	880.9	868.0	843.0	828.0	825.8	810.8	805.1
12.5°	905.9	895.9	885.1	860.1	834.4	813.7	795.1	778.6	767.2	754.3	745.7
15°	868.7	856.6	844.4	817.9	787.9	767.2	739.3	715.0	681.4	654.9	639.9
17.5°	828.0	814.4	797.9	768.6	739.3	710.7	659.2	630.6	607.0	591.3	582.0
20°	785.8	770.8	754.3	725.0	674.2	624.2	595.6	573.4	559.1	543.4	531.9
22.5°	741.4	725.7	707.8	662.1	608.5	573.4	551.3	530.5	509.8	501.2	495.5
25°	700.0	685.7	662.8	600.6	558.4	526.2	501.2	487.6	476.9	465.5	454.7
27.5°	657.1	630.6	598.4	546.2	519.8	486.9	469.0	459.0	440.4	432.6	427.6
30°	605.6	576.3	545.5	508.4	477.6	454.7	438.3	421.8	411.1	403.3	394.7
32.5°	553.4	525.5	506.2	467.6	444.7	421.1	405.4	395.4	379.7	374.7	371.1
35°	508.4	484.8	467.6	436.1	414.7	393.2	381.8	366.8	356.8	347.5	341.8
37.5°	464.0	451.2	433.3	406.8	383.9	366.8	351.1	346.1	332.5	327.5	321.7
40°	433.3	414.0	399.0	376.1	356.8	338.2	328.2	316.7	307.4	299.6	297.4
42.5°	396.1	381.8	373.2	348.2	328.2	317.5	305.3	292.4	285.3	278.8	271.0
45°	368.2	355.3	343.2	323.2	305.3	291.7	281.0	272.4	260.3	257.4	245.2
47.5°	338.9	326.0	316.7	296.7	280.3	267.4	259.5	248.1	238.1	231.7	225.9
50°	309.6	298.9	290.3	273.1	258.8	245.2	234.5	223.1	218.8	208.1	204.5
52.5°	281.7	274.6	265.3	248.8	234.5	223.1	211.6	202.3	195.9	190.2	185.9
55°	258.1	246.7	242.4	224.5	212.4	200.2	190.2	184.5	176.6	173.0	169.5
57.5°	231.7	225.2	218.1	204.5	190.9	179.5	172.3	163.7	159.4	155.2	152.3
60°	208.8	199.5	193.8	182.3	170.2	159.4	153.0	146.6	140.9	137.3	131.6
62.5°	182.3	175.2	171.6	159.4	149.4	139.4	133.7	127.3	123.0	116.5	109.4
65°	159.4	153.7	149.4	139.4	130.1	120.8	115.1	107.2	101.5	98.0	97.2
67.5°	139.4	135.1	128.7	119.4	110.1	103.0	96.5	90.1	89.4	87.9	87.9
70°	117.3	113.0	109.4	99.4	91.5	83.7	82.2	80.1	77.9	77.2	75.8
72.5°	98.0	94.4	90.1	81.5	73.6	71.5	70.1	68.6	66.5	65.8	65.1
75°	79.4	74.4	71.5	63.6	61.5	60.1	58.6	56.5	55.1	54.3	52.9
77.5°	60.8	55.8	55.8	51.5	50.0	47.9	46.5	45.0	44.3	42.9	42.9
80°	42.9	42.9	41.5	39.3	37.2	36.5	34.3	33.6	32.9	33.6	32.2
82.5°	31.5	28.6	28.6	27.2	25.7	25.0	23.6	23.6	22.9	22.9	22.9
85°	17.9	17.9	17.2	15.7	15.0	15.0	14.3	14.3	13.6	13.6	12.9
87.5°	7.1	6.4	7.1	6.4	6.4	5.7	5.7	5.7	5.0	5.7	5.0
90°	5.4	6.0	6.5	7.4	8.3	9.2	10.1	10.7	11.2	11.8	12.3
92.5°	10.8	10.6	10.8	11.1	11.4	11.8	12.1	12.3	12.5	12.8	13.0
95°	17.9	16.1	16.5	17.3	18.0	18.8	19.6	20.2	20.7	21.3	21.8
97.5°	22.2	17.6	18.5	20.3	22.0	23.8	25.6	25.9	26.3	26.6	26.9
100°	27.8	20.1	21.1	23.0	24.9	26.8	28.7	29.6	30.5	31.4	32.3
102.5°	121.3	121.2	111.0	90.7	70.4	50.0	29.7	30.9	32.1	33.4	34.6
105°	166.2	167.9	152.7	122.2	91.7	61.2	30.7	31.9	33.1	34.4	35.6
107.5°	199.7	201.1	182.3	144.6	107.0	69.3	31.7	32.9	34.1	35.4	36.6
110°	232.1	233.3	217.2	184.9	152.6	120.3	88.0	76.8	65.6	54.5	43.3

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	262.9	263.9	263.0	261.1	259.2	257.3	255.4	207.2	159.1	110.9	62.8
115°	296.7	297.6	299.0	301.8	304.6	307.4	310.2	258.5	206.7	155.0	103.3
117.5°	327.7	328.8	329.7	331.6	333.5	335.4	337.3	321.3	305.3	289.4	273.4
120°	358.6	359.4	360.4	362.4	364.5	366.5	368.5	369.8	371.2	372.5	373.8
122.5°	387.2	388.1	389.2	391.5	393.7	396.0	398.2	398.9	399.5	400.2	400.9
125°	414.5	415.2	416.3	418.4	420.5	422.7	424.8	425.6	426.4	427.1	427.9
127.5°	441.1	441.9	442.7	444.4	446.1	447.7	449.4	450.5	451.7	452.8	453.9
130°	466.6	467.5	468.1	469.4	470.6	471.9	473.1	474.3	475.5	476.8	478.0
132.5°	490.5	491.2	491.8	493.0	494.3	495.5	496.7	497.7	498.7	499.7	500.7
135°	512.9	513.8	514.3	515.3	516.3	517.3	518.3	519.4	520.5	521.6	522.7
137.5°	533.2	533.9	534.5	535.6	536.7	537.8	538.9	540.0	541.1	542.2	543.3
140°	553.1	553.5	554.1	555.3	556.6	557.8	559.0	560.0	561.0	562.0	563.0
142.5°	570.7	571.1	571.8	573.3	574.7	576.2	577.6	578.5	579.4	580.3	581.2
145°	586.3	586.2	587.1	589.0	590.9	592.8	594.7	595.5	596.3	597.0	597.8
147.5°	602.0	601.8	602.7	604.6	606.5	608.4	610.3	610.9	611.4	612.0	612.5
150°	616.2	615.8	616.7	618.5	620.3	622.1	623.9	624.6	625.2	625.9	626.6
152.5°	629.3	628.9	629.7	631.4	633.1	634.7	636.4	637.1	637.8	638.5	639.2
155°	642.0	641.5	642.2	643.5	644.8	646.2	647.5	648.2	648.8	649.5	650.2
157.5°	652.9	652.5	653.0	654.0	655.1	656.1	657.1	657.9	658.7	659.4	660.2
160°	662.9	662.6	662.9	663.6	664.3	664.9	665.6	666.3	666.9	667.6	668.3
162.5°	670.9	670.6	670.9	671.4	672.0	672.5	673.1	673.9	674.7	675.5	676.3
165°	678.0	677.7	677.9	678.2	678.5	678.9	679.2	680.0	680.8	681.5	682.3
167.5°	683.5	683.2	683.4	683.7	684.0	684.4	684.7	685.5	686.3	687.0	687.8
170°	688.0	687.7	687.8	688.0	688.3	688.5	688.7	689.5	690.3	691.0	691.8
172.5°	691.0	690.7	690.8	691.0	691.3	691.5	691.7	692.5	693.3	694.1	694.9
175°	693.1	692.7	692.8	693.0	693.3	693.5	693.7	694.5	695.3	696.1	696.9
177.5°	694.1	693.7	693.8	693.9	694.0	694.2	694.3	695.1	695.9	696.6	697.4
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	984.5	983.1	978.8	980.2	978.1	978.1	976.7	976.7	976.7	980.2	978.1
5°	930.9	925.9	920.9	918.8	916.6	914.5	914.5	913.7	920.2	918.8	924.5
7.5°	864.4	863.0	853.0	853.0	849.4	848.0	851.5	852.3	853.0	854.4	858.0
10°	805.1	801.5	787.2	788.6	786.5	783.6	785.8	784.3	789.3	790.8	789.3
12.5°	735.0	728.6	712.8	705.0	696.4	690.0	697.8	692.1	712.1	717.8	733.6
15°	642.1	629.9	619.2	619.2	611.3	605.6	609.2	615.6	619.9	626.3	629.2
17.5°	579.9	574.8	566.3	561.3	559.1	557.0	557.0	559.8	569.1	568.4	574.1
20°	526.9	524.1	519.8	513.4	511.2	509.8	509.8	509.8	516.2	521.9	525.5
22.5°	490.5	488.3	485.5	476.9	472.6	471.2	474.7	476.9	481.9	486.2	489.8
25°	454.0	449.0	444.0	441.1	439.0	439.0	440.4	441.1	443.3	445.4	449.7
27.5°	424.0	420.4	413.3	405.4	405.4	403.3	404.7	406.1	411.1	418.3	421.8
30°	390.4	389.7	386.8	383.9	381.1	379.7	382.5	384.7	385.4	389.0	389.0
32.5°	366.1	361.1	356.1	353.2	351.8	351.1	351.8	354.6	354.6	358.9	363.9
35°	341.8	338.9	333.9	328.9	327.5	323.9	326.7	329.6	334.6	336.8	338.9
37.5°	315.3	311.7	309.6	308.2	305.3	306.0	303.9	308.2	312.4	311.7	313.2
40°	295.3	288.9	282.4	281.7	281.0	280.3	280.3	281.0	283.8	286.7	291.0
42.5°	269.5	267.4	261.7	256.0	254.5	253.1	251.7	254.5	260.3	265.3	267.4
45°	243.1	240.2	238.8	234.5	231.7	230.9	229.5	233.1	238.1	240.2	241.7
47.5°	218.8	218.1	213.8	214.5	212.4	213.1	212.4	214.5	214.5	216.6	218.1
50°	202.3	200.2	198.1	196.6	194.5	194.5	193.8	194.5	197.3	200.2	199.5
52.5°	185.9	182.3	181.6	180.9	179.5	180.9	178.7	179.5	182.3	183.8	183.0
55°	166.6	165.9	164.4	163.0	162.3	161.6	161.6	161.6	164.4	166.6	167.3
57.5°	151.6	148.0	145.1	145.1	142.3	141.6	143.0	143.7	145.9	147.3	148.7
60°	130.8	129.4	125.1	123.0	118.7	118.0	118.0	120.8	124.4	129.4	130.8
62.5°	108.7	106.5	105.8	105.8	105.8	105.8	105.8	105.8	105.8	106.5	106.5
65°	96.5	97.2	96.5	95.8	96.5	96.5	95.8	95.8	95.8	96.5	97.2
67.5°	86.5	85.8	86.5	85.8	85.1	85.1	84.4	85.1	85.8	86.5	86.5
70°	75.1	75.1	74.4	75.1	74.4	73.6	72.9	72.9	74.4	75.1	75.1
72.5°	64.3	64.3	63.6	63.6	62.2	62.2	62.9	62.2	62.2	64.3	64.3
75°	53.6	52.9	52.2	52.2	51.5	51.5	51.5	50.8	52.2	52.2	52.9
77.5°	42.2	42.2	42.2	41.5	41.5	40.8	40.8	41.5	41.5	41.5	42.2
80°	32.2	32.2	32.2	31.5	30.7	30.7	30.7	30.7	30.7	31.5	30.7
82.5°	22.2	22.2	22.2	22.2	22.2	21.4	21.4	21.4	22.2	22.2	21.4
85°	13.6	12.9	13.6	13.6	12.9	13.6	12.9	12.9	12.2	12.2	12.9
87.5°	5.7	5.0	4.3	4.3	5.0	4.3	4.3	4.3	5.0	4.3	4.3
90°	12.6	12.7	12.9	13.2	13.4	13.6	13.4	13.2	12.9	12.7	12.6
92.5°	13.1	13.2	13.3	13.4	13.5	13.6	13.5	13.4	13.3	13.2	13.1
95°	22.1	22.0	21.9	21.8	21.7	21.6	21.7	21.8	21.9	22.0	22.1
97.5°	27.1	27.2	27.3	27.4	27.5	27.6	27.5	27.4	27.3	27.2	27.1
100°	32.7	32.8	33.0	33.3	33.5	33.7	33.5	33.3	33.0	32.8	32.7
102.5°	35.2	35.4	35.7	36.0	36.4	36.7	36.4	36.0	35.7	35.4	35.2
105°	36.2	36.4	36.9	37.3	37.8	38.2	37.8	37.3	36.9	36.4	36.2
107.5°	37.2	37.4	37.9	38.3	38.8	39.2	38.8	38.3	37.9	37.4	37.2
110°	37.7	37.9	38.4	38.8	39.3	39.7	39.3	38.8	38.4	37.9	37.7

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	38.7	38.9	39.2	39.5	39.9	40.2	39.9	39.5	39.2	38.9	38.7
115°	77.4	73.4	65.3	57.3	49.2	41.2	49.2	57.3	65.3	73.4	77.4
117.5°	265.4	250.8	221.5	192.2	163.0	133.7	163.0	192.2	221.5	250.8	265.4
120°	374.5	367.0	351.9	336.8	321.8	306.7	321.8	336.8	351.9	367.0	374.5
122.5°	401.2	401.3	401.4	401.5	401.6	401.7	401.6	401.5	401.4	401.3	401.2
125°	428.3	428.5	428.8	429.1	429.5	429.8	429.5	429.1	428.8	428.5	428.3
127.5°	454.5	454.6	454.7	454.8	454.9	455.0	454.9	454.8	454.7	454.6	454.5
130°	478.6	478.5	478.4	478.3	478.2	478.1	478.2	478.3	478.4	478.5	478.6
132.5°	501.2	501.1	501.0	500.9	500.8	500.7	500.8	500.9	501.0	501.1	501.2
135°	523.3	523.2	523.0	522.7	522.5	522.3	522.5	522.7	523.0	523.2	523.3
137.5°	543.9	543.7	543.4	543.1	542.7	542.4	542.7	543.1	543.4	543.7	543.9
140°	563.5	563.2	562.7	562.1	561.6	561.0	561.6	562.1	562.7	563.2	563.5
142.5°	581.6	581.3	580.8	580.2	579.7	579.1	579.7	580.2	580.8	581.3	581.6
145°	598.2	597.9	597.4	596.8	596.3	595.7	596.3	596.8	597.4	597.9	598.2
147.5°	612.8	612.6	612.1	611.7	611.2	610.8	611.2	611.7	612.1	612.6	612.8
150°	626.9	626.6	626.1	625.5	625.0	624.4	625.0	625.5	626.1	626.6	626.9
152.5°	639.5	639.1	638.3	637.5	636.7	635.9	636.7	637.5	638.3	639.1	639.5
155°	650.5	650.1	649.2	648.3	647.4	646.5	647.4	648.3	649.2	650.1	650.5
157.5°	660.6	660.1	659.2	658.3	657.4	656.5	657.4	658.3	659.2	660.1	660.6
160°	668.6	668.2	667.4	666.7	665.9	665.1	665.9	666.7	667.4	668.2	668.6
162.5°	676.7	676.2	675.2	674.1	673.1	672.1	673.1	674.1	675.2	676.2	676.7
165°	682.7	682.3	681.5	680.8	680.0	679.2	680.0	680.8	681.5	682.3	682.7
167.5°	688.2	687.7	686.7	685.7	684.7	683.7	684.7	685.7	686.7	687.7	688.2
170°	692.2	691.7	690.7	689.7	688.7	687.7	688.7	689.7	690.7	691.7	692.2
172.5°	695.3	694.8	693.8	692.7	691.7	690.7	691.7	692.7	693.8	694.8	695.3
175°	697.3	696.7	695.6	694.5	693.3	692.2	693.3	694.5	695.6	696.7	697.3
177.5°	697.8	697.3	696.3	695.2	694.2	693.2	694.2	695.2	696.3	697.3	697.8
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	980.2	983.8	982.4	974.5	982.4	984.5	988.8	993.1	996.0	1000.3	1003.8
5°	918.8	925.9	930.2	925.9	940.2	942.3	952.4	958.1	966.7	973.8	979.5
7.5°	860.8	866.6	875.1	876.6	885.1	895.2	909.5	923.8	937.3	944.5	950.9
10°	798.6	808.6	821.5	818.7	831.5	847.3	862.3	885.1	896.6	909.5	920.9
12.5°	736.4	742.9	760.0	765.7	784.3	796.5	817.2	831.5	860.1	875.1	885.1
15°	627.8	654.2	675.7	701.4	725.7	748.6	767.2	792.9	817.9	829.4	845.8
17.5°	578.4	590.6	603.4	616.3	647.8	688.5	721.4	749.3	770.8	785.8	805.1
20°	526.9	539.1	553.4	565.6	584.9	614.2	654.9	702.8	728.6	744.3	762.9
22.5°	490.5	501.9	511.2	521.9	537.0	558.4	589.1	648.5	682.8	702.1	718.6
25°	451.2	465.5	475.5	483.3	495.5	519.1	544.1	577.7	639.2	654.2	677.1
27.5°	424.0	428.3	439.7	451.9	464.0	476.9	502.6	531.2	572.7	605.6	633.5
30°	391.8	402.5	413.3	418.3	429.0	447.6	463.3	494.1	526.2	552.0	585.6
32.5°	367.5	373.9	381.1	393.2	403.3	416.1	431.9	457.6	484.8	501.2	526.9
35°	340.3	344.6	359.6	364.6	374.7	387.5	403.3	423.3	452.6	465.5	484.0
37.5°	314.6	324.6	328.9	340.3	349.6	362.5	373.9	396.8	416.1	431.1	448.3
40°	294.6	298.9	306.7	316.7	324.6	334.6	348.9	365.4	386.1	398.2	413.3
42.5°	270.3	273.8	283.8	289.6	302.4	311.7	320.3	340.3	358.9	368.2	383.2
45°	243.8	252.4	258.8	270.3	277.4	288.9	299.6	313.9	331.0	341.8	350.3
47.5°	220.9	229.5	235.9	246.7	258.1	263.1	274.6	289.6	305.3	313.9	326.0
50°	202.3	205.2	217.4	222.4	234.5	244.5	252.4	265.3	282.4	287.4	297.4
52.5°	184.5	186.6	194.5	200.9	211.6	220.2	230.2	242.4	256.7	264.5	272.4
55°	168.7	170.2	173.7	180.9	188.0	198.8	208.1	219.5	231.7	240.2	247.4
57.5°	150.9	153.7	156.6	160.9	168.0	178.0	188.0	198.8	208.8	214.5	223.8
60°	130.1	134.4	139.4	144.4	149.4	156.6	168.0	178.0	187.3	192.3	199.5
62.5°	108.0	116.5	120.8	126.6	130.8	137.3	145.9	157.3	163.7	170.2	175.9
65°	97.2	98.0	98.7	104.4	112.3	118.7	126.6	135.1	145.1	149.4	153.7
67.5°	86.5	87.2	88.7	89.4	92.2	99.4	108.0	117.3	125.1	128.0	132.3
70°	75.8	75.8	78.6	79.4	80.1	80.8	87.9	97.2	104.4	108.0	113.0
72.5°	64.3	65.1	66.5	67.2	68.6	70.1	72.2	77.2	85.8	89.4	95.1
75°	52.9	53.6	54.3	55.1	57.2	57.9	60.1	62.9	66.5	70.8	74.4
77.5°	42.2	42.2	42.9	44.3	45.8	46.5	48.6	50.0	51.5	53.6	56.5
80°	31.5	32.2	32.2	33.6	33.6	34.3	35.0	37.2	38.6	40.0	41.5
82.5°	21.4	22.9	22.9	22.9	23.6	24.3	25.0	25.0	26.5	27.2	29.3
85°	12.9	13.6	13.6	13.6	12.9	14.3	14.3	15.0	15.0	15.0	15.7
87.5°	5.0	4.3	5.0	5.0	5.0	5.7	5.0	5.0	5.7	6.4	6.4
90°	12.3	11.8	11.2	10.7	10.1	9.2	8.3	7.4	6.5	6.0	5.4
92.5°	13.0	12.8	12.5	12.3	12.1	11.8	11.4	11.1	10.8	10.6	10.8
95°	21.8	21.3	20.7	20.2	19.6	18.8	18.0	17.3	16.5	16.1	17.9
97.5°	26.9	26.6	26.3	25.9	25.6	23.8	22.0	20.3	18.5	17.6	22.2
100°	32.3	31.4	30.5	29.6	28.7	26.8	24.9	23.0	21.1	20.1	27.8
102.5°	34.6	33.4	32.1	30.9	29.7	50.0	70.4	90.7	111.0	121.2	121.3
105°	35.6	34.4	33.1	31.9	30.7	61.2	91.7	122.2	152.7	167.9	166.2
107.5°	36.6	35.4	34.1	32.9	31.7	69.3	107.0	144.6	182.3	201.1	199.7
110°	43.3	54.5	65.6	76.8	88.0	120.3	152.6	184.9	217.2	233.3	232.1

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	62.8	110.9	159.1	207.2	255.4	257.3	259.2	261.1	263.0	263.9	262.9
115°	103.3	155.0	206.7	258.5	310.2	307.4	304.6	301.8	299.0	297.6	296.7
117.5°	273.4	289.4	305.3	321.3	337.3	335.4	333.5	331.6	329.7	328.8	327.7
120°	373.8	372.5	371.2	369.8	368.5	366.5	364.5	362.4	360.4	359.4	358.6
122.5°	400.9	400.2	399.5	398.9	398.2	396.0	393.7	391.5	389.2	388.1	387.2
125°	427.9	427.1	426.4	425.6	424.8	422.7	420.5	418.4	416.3	415.2	414.5
127.5°	453.9	452.8	451.7	450.5	449.4	447.7	446.1	444.4	442.7	441.9	441.1
130°	478.0	476.8	475.5	474.3	473.1	471.9	470.6	469.4	468.1	467.5	466.6
132.5°	500.7	499.7	498.7	497.7	496.7	495.5	494.3	493.0	491.8	491.2	490.5
135°	522.7	521.6	520.5	519.4	518.3	517.3	516.3	515.3	514.3	513.8	512.9
137.5°	543.3	542.2	541.1	540.0	538.9	537.8	536.7	535.6	534.5	533.9	533.2
140°	563.0	562.0	561.0	560.0	559.0	557.8	556.6	555.3	554.1	553.5	553.1
142.5°	581.2	580.3	579.4	578.5	577.6	576.2	574.7	573.3	571.8	571.1	570.7
145°	597.8	597.0	596.3	595.5	594.7	592.8	590.9	589.0	587.1	586.2	586.3
147.5°	612.5	612.0	611.4	610.9	610.3	608.4	606.5	604.6	602.7	601.8	602.0
150°	626.6	625.9	625.2	624.6	623.9	622.1	620.3	618.5	616.7	615.8	616.2
152.5°	639.2	638.5	637.8	637.1	636.4	634.7	633.1	631.4	629.7	628.9	629.3
155°	650.2	649.5	648.8	648.2	647.5	646.2	644.8	643.5	642.2	641.5	642.0
157.5°	660.2	659.4	658.7	657.9	657.1	656.1	655.1	654.0	653.0	652.5	652.9
160°	668.3	667.6	666.9	666.3	665.6	664.9	664.3	663.6	662.9	662.6	662.9
162.5°	676.3	675.5	674.7	673.9	673.1	672.5	672.0	671.4	670.9	670.6	670.9
165°	682.3	681.5	680.8	680.0	679.2	678.9	678.5	678.2	677.9	677.7	678.0
167.5°	687.8	687.0	686.3	685.5	684.7	684.4	684.0	683.7	683.4	683.2	683.5
170°	691.8	691.0	690.3	689.5	688.7	688.5	688.3	688.0	687.8	687.7	688.0
172.5°	694.9	694.1	693.3	692.5	691.7	691.5	691.3	691.0	690.8	690.7	691.0
175°	696.9	696.1	695.3	694.5	693.7	693.5	693.3	693.0	692.8	692.7	693.1
177.5°	697.4	696.6	695.9	695.1	694.3	694.2	694.0	693.9	693.8	693.7	694.1
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1028.9	1028.9	1028.9	1028.9
2.5°	1010.3	1008.1	1021.0	1035.3
5°	989.5	993.1	1009.6	1029.6
7.5°	968.1	976.0	995.3	1021.7
10°	938.1	952.4	981.7	1008.8
12.5°	908.7	928.0	955.9	988.1
15°	875.9	897.3	931.6	970.2
17.5°	839.4	863.7	903.7	945.9
20°	800.8	833.0	875.1	920.9
22.5°	757.9	796.5	840.1	890.9
25°	716.4	758.6	802.2	860.8
27.5°	675.7	717.1	765.7	825.1
30°	634.9	672.8	725.0	788.6
32.5°	591.3	630.6	685.7	750.7
35°	551.3	590.6	642.1	706.4
37.5°	508.4	550.5	599.9	666.4
40°	458.3	507.6	555.5	619.2
42.5°	416.8	469.0	515.5	575.6
45°	383.9	433.3	471.9	530.5
47.5°	353.2	393.2	432.6	486.9
50°	323.9	354.6	395.4	444.0
52.5°	293.9	320.3	355.3	401.1
55°	266.7	291.7	323.2	358.2
57.5°	241.7	259.5	291.0	322.5
60°	213.8	232.4	256.7	283.1
62.5°	190.2	204.5	227.4	249.5
65°	165.2	178.7	195.9	216.6
67.5°	142.3	154.4	168.0	184.5
70°	121.5	130.8	140.9	155.2
72.5°	99.4	109.4	118.7	130.1
75°	81.5	85.8	93.7	101.5
77.5°	62.9	68.6	72.9	79.4
80°	45.0	50.0	51.5	56.5
82.5°	30.0	32.9	35.7	37.2
85°	17.2	18.6	21.4	22.2
87.5°	6.4	7.1	8.6	10.0
90°	4.2	2.9	1.7	0.5
92.5°	11.3	11.7	12.2	12.6
95°	21.6	25.3	29.0	32.7
97.5°	31.3	40.5	49.6	58.8
100°	43.1	58.4	73.7	89.0
102.5°	121.5	121.8	122.0	122.2
105°	162.9	159.5	156.2	152.8
107.5°	196.9	194.1	191.3	188.5
110°	229.8	227.4	225.1	222.7

TEST NUMBER: P1008418

CATALOG NUMBER: S122RDIP-B485D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	260.9	258.9	256.9	254.9
115°	294.8	292.9	291.0	289.1
117.5°	325.4	323.2	320.9	318.7
120°	356.9	355.2	353.6	351.9
122.5°	385.4	383.7	381.9	380.1
125°	413.0	411.6	410.1	408.7
127.5°	439.6	438.0	436.5	434.9
130°	464.8	463.1	461.3	459.5
132.5°	489.0	487.5	486.1	484.6
135°	511.1	509.3	507.5	505.7
137.5°	531.9	530.6	529.2	527.9
140°	552.2	551.3	550.4	549.5
142.5°	569.9	569.2	568.4	567.6
145°	586.4	586.5	586.6	586.7
147.5°	602.3	602.6	603.0	603.3
150°	617.0	617.7	618.5	619.3
152.5°	630.2	631.1	632.0	632.9
155°	643.0	644.0	645.0	646.0
157.5°	653.8	654.7	655.6	656.5
160°	663.6	664.3	664.9	665.6
162.5°	671.6	672.3	672.9	673.6
165°	678.7	679.4	680.0	680.7
167.5°	684.2	684.9	685.5	686.2
170°	688.7	689.4	690.0	690.7
172.5°	691.7	692.4	693.0	693.7
175°	693.9	694.7	695.5	696.3
177.5°	694.9	695.7	696.5	697.3
180°	694.8	694.8	694.8	694.8

(END OF REPORT)