

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: P1008368

Luminaire Tested: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008368
REPORT IS A COMBINATION OF REPORTS P988108 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B290D530UB2750-4F0-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

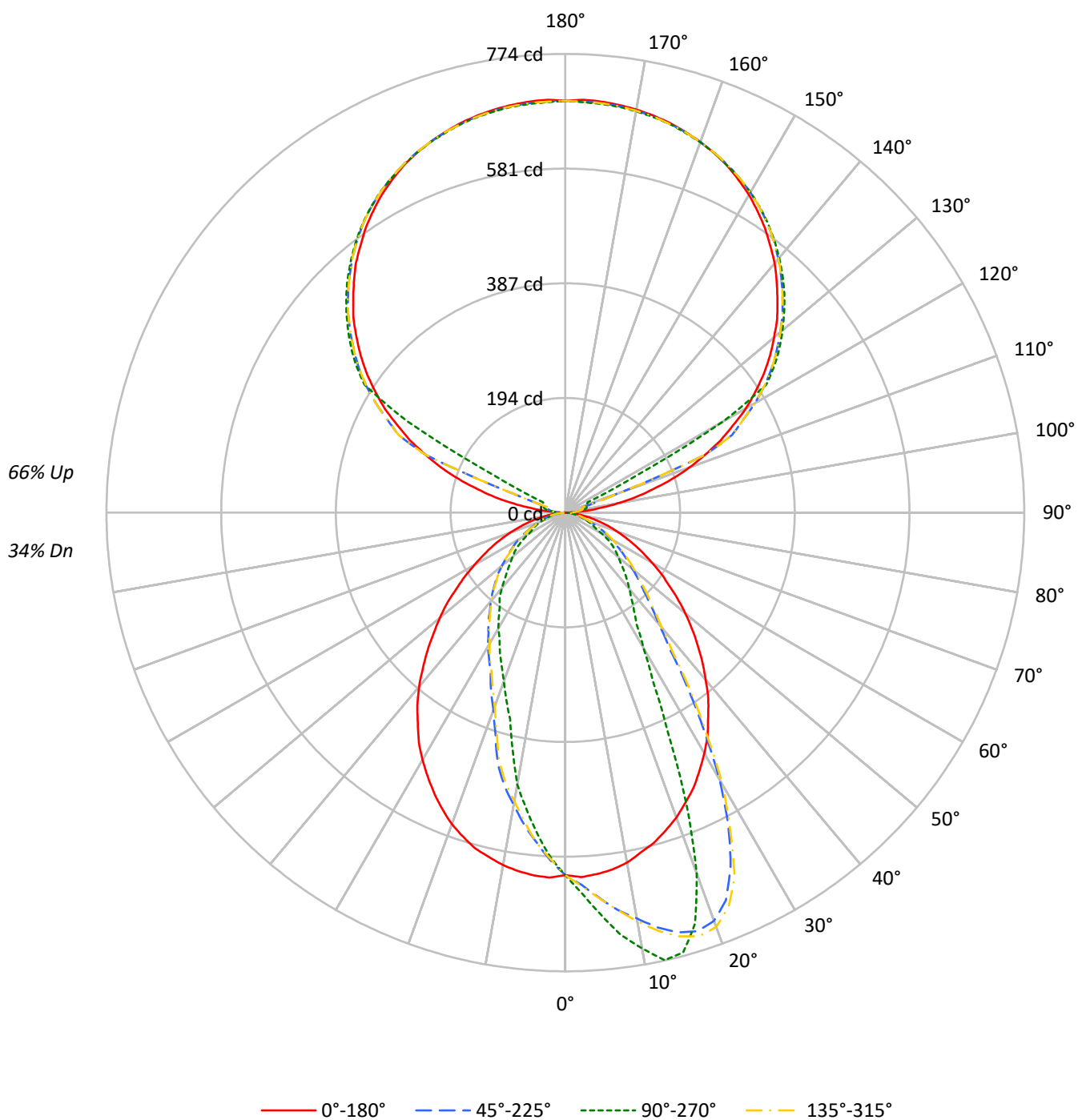
Lumens per Lamp: N/A
Luminaire Lumens: 3095.1 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 28.4
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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	38	37	36
2	87	80	74	69	78	72	68	64	58	55	52	46	43	42	34	32	31
3	79	71	64	58	72	64	58	54	52	48	45	41	38	36	30	29	27
4	73	63	56	50	66	57	51	46	47	42	38	37	34	31	28	26	24
5	67	56	49	43	61	51	45	40	42	37	34	33	30	27	25	23	21
6	62	51	43	38	56	46	40	35	38	33	30	30	27	24	23	21	19
7	57	46	38	33	52	42	35	31	35	30	26	28	24	22	21	19	17
8	53	42	34	29	48	38	32	27	32	27	23	25	22	19	20	17	16
9	50	38	31	26	45	35	29	25	29	24	21	24	20	18	18	16	14
10	46	35	28	24	42	32	26	22	27	22	19	22	18	16	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9681	9681	9681	9681
5°	9705	10284	9738	8215
10°	9597	10870	9666	6785
15°	9390	10874	9549	5096
20°	9140	8988	9338	4205
25°	8836	5615	9026	3577
30°	8447	3595	8677	3080
35°	7975	2763	8235	2635
40°	7450	2323	7768	2305
45°	6888	1978	7177	1935
50°	6313	1679	6607	1674
55°	5673	1459	5979	1441
60°	5107	1113	5377	1099
65°	4579	838	4849	951
70°	3993	669	4309	775
75°	3379	513	3686	586
80°	2683	349	2882	385
85°	1865	181	2048	190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 8856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.9
10°-20°	161.9	5.2
20°-30°	208.4	6.7
30°-40°	197.7	6.4
40°-50°	169.5	5.5
50°-60°	129.0	4.2
60°-70°	81.4	2.6
70°-80°	40.6	1.3
80°-90°	11.7	0.4
90°-100°	22.9	0.7
100°-110°	85.4	2.8
110°-120°	226.5	7.3
120°-130°	375.7	12.1
130°-140°	399.0	12.9
140°-150°	370.9	12.0
150°-160°	298.2	9.6
160°-170°	192.1	6.2
170°-180°	66.1	2.1
0°-30°	428.4	13.8
0°-40°	626.1	20.2
0°-60°	924.6	29.9
0°-90°	1058.2	34.2
90°-120°	334.8	10.8
90°-150°	1480.4	47.8
90°-180°	2037.0	65.8
0°-180°	3095.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	612	612	612	612	612	
5°	612	680	614	544	612	58
15°	577	768	587	360	577	162
25°	512	410	523	261	512	235
35°	420	202	434	192	420	263
45°	315	140	329	137	315	243
55°	213	97	224	96	213	192
65°	129	51	136	57	129	128
75°	60	27	66	31	60	65
85°	13	8	14	8	13	15
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°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	615.5	618.0	619.3	621.0	624.8	627.4	631.2	632.0	631.6	633.3	628.6
5°	612.1	617.6	622.7	626.9	633.7	638.0	642.7	648.2	649.5	655.9	652.0
7.5°	607.4	615.5	622.7	631.2	641.4	646.9	654.2	662.7	666.5	674.1	676.3
10°	599.7	611.2	623.5	632.5	646.5	656.3	663.1	676.7	685.6	697.1	695.4
12.5°	587.4	602.3	618.9	633.7	652.0	658.4	671.2	685.2	696.7	707.3	716.6
15°	576.8	593.8	612.1	630.3	651.2	663.1	675.8	694.1	706.4	725.1	733.2
17.5°	562.3	584.0	605.7	626.1	650.8	664.4	680.1	697.9	716.2	734.1	740.4
20°	547.5	570.8	594.2	621.8	649.9	663.1	679.2	701.3	719.2	733.2	733.2
22.5°	529.6	558.1	584.9	611.2	641.8	661.0	677.5	703.5	716.2	719.2	707.7
25°	511.8	540.2	569.6	602.3	637.1	654.2	672.9	697.1	701.3	689.4	659.7
27.5°	490.5	522.4	555.5	590.8	627.4	648.6	665.6	681.8	673.7	641.8	595.5
30°	468.8	503.3	540.7	574.2	618.4	638.0	652.5	657.1	631.6	579.8	519.8
32.5°	446.3	479.9	519.4	559.8	604.4	623.1	632.5	620.1	573.4	507.9	434.8
35°	419.9	457.8	499.0	541.1	585.3	599.3	604.8	574.7	514.7	430.1	357.5
37.5°	396.1	434.0	478.2	521.1	564.0	571.7	566.2	519.0	442.9	359.2	288.2
40°	368.1	408.5	451.8	499.9	535.1	537.3	523.7	462.5	368.1	289.5	245.7
42.5°	342.2	383.0	426.3	475.2	502.0	494.8	476.5	396.1	307.3	249.5	214.2
45°	315.4	354.1	400.8	444.2	463.3	446.3	418.7	333.2	258.0	214.6	187.4
47.5°	289.5	325.6	371.9	413.6	417.0	397.8	365.1	279.3	223.6	188.7	166.6
50°	264.0	300.1	343.4	377.9	374.5	348.1	311.1	242.7	194.2	166.6	148.3
52.5°	238.5	271.2	313.3	340.5	326.0	300.5	264.0	205.7	169.6	145.4	131.3
55°	212.9	243.6	279.7	302.2	279.3	249.9	224.0	176.4	147.1	127.5	116.9
57.5°	191.7	215.9	249.1	262.7	235.1	212.1	189.6	151.7	127.5	113.5	101.2
60°	168.3	190.4	217.6	225.7	197.2	178.5	159.4	128.4	109.2	96.9	88.8
62.5°	148.3	166.6	187.4	187.4	162.4	148.3	133.9	107.5	91.8	82.0	78.2
65°	128.8	142.0	156.8	155.1	133.9	121.6	110.1	88.8	76.9	70.1	66.3
67.5°	109.7	119.9	129.6	123.7	108.4	97.8	87.1	71.8	63.8	59.1	54.0
70°	92.2	100.3	105.4	99.9	84.6	75.7	68.0	57.8	51.4	45.5	42.5
72.5°	77.4	80.8	82.5	75.7	62.9	57.8	52.3	45.1	39.5	36.6	35.7
75°	60.4	63.3	62.1	57.0	46.3	42.5	38.3	33.2	31.9	30.2	29.3
77.5°	47.2	47.2	45.1	40.4	33.2	30.2	28.5	25.9	24.7	24.2	23.4
80°	33.6	33.2	31.9	26.8	22.5	20.8	20.8	19.1	18.7	17.9	17.9
82.5°	22.1	22.1	20.4	16.2	14.9	14.5	14.0	13.2	13.2	12.8	12.8
85°	13.2	12.3	10.2	8.9	8.5	8.5	8.1	7.7	8.1	7.7	7.7
87.5°	6.0	4.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	633.3	634.2	635.4	641.4	642.2	643.9	643.1	643.1	643.5	642.7	643.1
5°	660.5	661.8	668.2	675.4	677.1	675.4	677.5	680.5	680.5	680.5	679.7
7.5°	686.0	690.7	697.9	708.6	710.7	712.8	716.6	714.1	714.9	718.8	717.5
10°	710.7	717.5	725.6	734.5	739.2	742.1	743.8	747.7	756.6	746.4	750.2
12.5°	734.1	743.8	752.3	762.1	765.5	769.3	770.6	774.0	774.0	773.6	776.6
15°	749.4	758.3	765.9	772.3	773.2	772.3	771.5	771.9	773.2	768.1	771.0
17.5°	752.8	753.6	756.2	753.6	754.0	745.1	740.0	738.7	726.8	727.3	737.0
20°	736.2	721.7	717.9	703.9	695.4	672.4	671.6	665.2	640.1	647.8	646.1
22.5°	690.7	666.1	633.3	617.2	609.1	584.9	566.2	553.0	544.1	535.1	531.3
25°	630.8	590.8	544.5	512.6	507.9	485.4	451.0	434.8	415.7	409.7	419.9
27.5°	553.4	501.6	449.3	400.4	391.5	371.1	353.6	342.2	320.1	318.8	319.6
30°	448.4	396.1	352.4	320.5	298.4	289.0	277.6	269.1	260.1	263.5	264.4
32.5°	368.5	318.8	278.0	261.0	250.8	244.8	235.1	229.5	225.7	224.4	224.0
35°	292.9	259.7	241.4	224.9	218.9	214.6	207.4	204.9	201.5	201.9	201.9
37.5°	250.8	223.2	209.5	201.0	195.5	193.4	188.7	186.2	184.0	183.2	184.5
40°	216.4	197.2	188.7	181.1	176.4	175.5	173.0	170.0	167.5	167.9	169.2
42.5°	191.3	180.2	170.0	164.1	160.7	159.4	157.3	155.1	155.1	153.9	153.4
45°	171.3	162.4	153.9	148.3	146.2	144.5	142.0	141.5	139.8	140.3	140.7
47.5°	153.4	146.2	139.8	134.3	132.2	131.8	129.2	127.5	127.5	127.1	126.7
50°	137.3	130.1	124.5	121.6	118.6	117.7	117.3	116.9	116.0	116.0	116.5
52.5°	124.1	116.9	112.6	110.1	108.4	107.5	107.5	107.1	107.1	107.1	106.7
55°	109.7	103.7	100.3	99.5	98.6	98.2	97.8	96.9	96.5	97.3	96.5
57.5°	96.1	93.9	91.0	90.1	88.0	88.0	86.7	85.9	85.0	85.9	85.9
60°	85.4	82.5	80.8	78.2	76.5	74.8	72.7	72.3	71.4	71.0	70.6
62.5°	74.4	71.8	67.6	63.8	61.2	59.5	58.7	58.2	58.2	57.8	57.8
65°	62.1	56.1	54.0	52.7	52.3	51.9	51.0	50.6	51.0	50.6	51.0
67.5°	48.5	47.6	46.3	45.5	45.1	44.6	44.6	44.2	44.2	44.2	44.2
70°	42.1	40.0	39.5	38.7	38.7	38.3	38.3	38.3	38.3	37.8	38.7
72.5°	34.9	33.6	33.2	32.7	32.7	32.7	32.3	32.3	32.3	31.9	32.3
75°	28.5	28.1	27.2	27.2	26.8	27.2	26.8	26.8	26.4	26.8	26.8
77.5°	23.0	22.5	22.1	22.1	21.7	21.7	21.7	21.7	21.7	21.7	22.1
80°	17.4	17.0	16.6	17.0	16.6	17.0	16.6	16.6	17.0	16.6	16.6
82.5°	12.8	12.3	12.3	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
85°	7.7	7.2	7.2	7.7	7.2	7.7	7.2	7.2	7.2	7.7	7.7
87.5°	3.4	3.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.8
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	644.8	641.8	641.0	641.8	641.0	641.4	638.4	627.4	630.3	625.7	628.2
5°	681.4	678.8	673.3	672.4	671.6	670.7	666.5	656.7	652.9	646.5	646.1
7.5°	716.2	716.2	712.0	709.0	705.2	702.2	696.7	682.2	676.3	668.6	664.4
10°	750.6	739.6	744.3	741.3	731.9	730.2	720.0	711.5	700.1	692.4	685.6
12.5°	775.3	771.9	767.6	765.1	762.5	757.0	750.2	728.5	722.6	707.3	699.6
15°	774.4	772.3	773.6	773.6	772.7	771.5	765.9	750.2	740.0	725.1	712.0
17.5°	732.8	738.3	743.8	747.7	756.2	760.0	765.1	755.7	749.4	736.6	722.6
20°	660.1	673.7	689.9	693.3	700.9	723.4	733.6	741.7	744.3	740.0	728.5
22.5°	558.9	570.4	609.5	608.7	619.7	646.5	676.3	700.5	719.6	730.2	726.0
25°	437.8	454.0	474.8	490.5	526.6	566.6	603.6	642.2	675.4	704.7	712.0
27.5°	331.1	352.4	368.9	389.8	408.0	455.2	502.8	563.2	601.9	657.6	686.5
30°	267.8	277.6	294.1	303.9	312.8	349.0	402.9	462.5	530.5	594.6	644.4
32.5°	228.7	235.5	247.8	252.1	261.4	285.6	319.6	374.0	444.2	522.0	587.4
35°	205.3	212.5	215.1	218.9	226.6	241.9	265.2	304.8	368.1	444.2	522.4
37.5°	185.3	189.1	196.4	198.9	201.5	212.9	228.7	256.3	298.4	360.9	447.6
40°	171.3	173.4	177.2	179.4	181.1	189.1	203.2	221.9	252.9	300.5	380.4
42.5°	156.4	159.0	161.5	164.1	166.2	172.6	181.1	198.9	219.8	255.9	313.7
45°	142.0	143.7	146.6	148.3	151.3	156.4	164.1	176.4	195.1	218.1	264.8
47.5°	128.8	130.9	132.2	134.3	136.4	142.0	149.2	157.3	172.6	195.1	229.1
50°	116.9	119.4	121.1	121.6	123.3	128.4	134.3	143.2	153.0	170.4	200.2
52.5°	108.4	108.8	110.1	111.8	111.4	114.3	119.9	126.7	136.9	150.9	172.6
55°	98.6	99.9	100.7	101.2	101.2	103.7	106.7	113.1	121.1	132.6	150.9
57.5°	86.3	87.6	90.1	91.0	92.2	93.5	94.8	99.0	105.8	116.9	131.8
60°	73.5	74.4	76.9	78.6	79.5	82.9	84.6	88.0	91.8	99.9	113.9
62.5°	59.1	59.9	61.2	62.9	64.6	69.7	74.0	77.4	80.3	85.9	97.3
65°	51.4	51.9	52.7	53.1	53.6	55.7	59.5	64.2	69.7	74.0	80.8
67.5°	44.6	45.1	45.5	46.3	46.8	47.2	48.9	50.2	55.7	61.6	66.7
70°	38.3	39.1	39.5	39.5	40.0	40.8	41.7	43.4	45.1	48.0	54.4
72.5°	32.3	32.7	33.6	33.6	33.6	34.4	35.3	36.1	37.0	38.7	41.2
75°	26.8	27.6	27.6	27.6	28.1	28.1	28.9	29.8	30.6	31.9	32.7
77.5°	22.1	22.1	22.1	22.1	22.5	22.5	23.0	23.8	24.2	24.7	25.5
80°	16.6	17.0	17.0	17.0	17.4	17.4	17.4	18.3	18.7	18.7	19.6
82.5°	12.3	12.3	12.3	12.8	12.3	12.8	12.8	13.2	12.8	13.2	13.6
85°	7.7	7.7	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	3.8	3.8
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	624.4	622.3	622.3	621.0	621.0	614.2	614.2	616.3	613.8	610.8	606.5
5°	640.5	635.9	634.6	632.9	627.4	618.9	615.5	614.2	609.1	602.7	595.5
7.5°	655.9	648.2	644.4	640.5	633.3	621.4	614.6	609.9	602.3	592.5	583.2
10°	670.7	661.0	651.2	646.5	636.3	621.4	611.6	604.0	592.9	579.8	566.6
12.5°	684.3	663.9	662.2	652.9	638.0	621.0	606.1	595.1	581.0	565.7	550.4
15°	696.2	675.4	665.2	656.7	637.1	615.9	600.2	586.6	567.9	550.4	531.7
17.5°	702.2	679.7	672.9	658.8	638.8	611.2	590.0	573.4	553.0	532.2	510.9
20°	708.1	681.8	670.7	661.0	633.7	602.3	578.5	559.4	536.8	512.2	488.8
22.5°	711.1	681.8	668.6	655.0	628.6	592.5	564.5	541.9	515.6	490.5	462.5
25°	706.0	679.2	663.5	649.5	619.7	580.6	548.3	522.8	494.8	466.3	437.8
27.5°	693.3	673.3	655.0	640.5	607.4	565.3	531.3	502.4	473.5	441.6	412.7
30°	669.5	660.5	646.1	629.9	593.8	551.7	511.3	481.6	449.7	417.8	387.6
32.5°	632.5	640.1	630.8	616.7	577.6	533.0	490.1	459.9	425.0	390.6	363.0
35°	587.4	614.6	609.5	599.7	560.6	513.0	470.1	433.6	398.7	363.8	336.2
37.5°	538.1	579.3	583.6	577.6	541.1	492.6	445.5	409.7	374.0	338.8	310.7
40°	470.5	533.9	547.5	550.0	520.7	468.0	418.7	383.8	348.5	314.1	280.1
42.5°	408.5	488.4	505.4	516.0	494.8	443.8	394.0	355.3	320.5	289.5	255.5
45°	350.2	433.6	461.2	474.8	465.4	416.1	364.7	328.6	296.7	268.2	235.5
47.5°	290.3	374.0	412.7	434.4	434.4	388.1	336.6	300.9	270.3	246.1	217.2
50°	250.4	320.1	360.0	388.5	396.1	359.6	311.1	276.3	247.4	221.0	198.9
52.5°	213.4	275.9	309.0	338.8	360.9	329.0	282.7	251.2	222.7	198.1	180.6
55°	184.5	231.2	261.4	294.1	318.8	298.0	255.0	224.4	199.8	179.4	164.5
57.5°	156.8	197.6	222.3	251.2	277.6	261.8	227.4	201.0	179.4	161.5	148.3
60°	133.5	166.6	185.7	208.3	241.0	230.0	201.5	177.2	159.8	143.7	132.6
62.5°	113.5	139.8	156.0	172.1	201.9	196.8	174.7	156.0	141.1	127.5	118.2
65°	93.1	114.8	127.5	141.5	165.3	167.5	149.6	136.4	122.8	110.9	102.4
67.5°	75.2	92.2	103.7	115.6	134.7	140.7	128.4	117.3	105.8	96.1	88.4
70°	60.8	72.7	81.2	90.5	106.3	113.5	107.1	99.5	90.1	82.0	75.2
72.5°	48.0	55.7	60.8	68.0	80.8	88.0	87.6	80.8	74.0	68.4	62.9
75°	35.3	41.2	45.5	50.2	60.4	67.2	68.9	65.9	59.1	54.8	50.6
77.5°	26.8	30.2	32.3	35.7	42.9	48.9	51.4	50.6	45.9	42.5	39.5
80°	20.4	21.3	22.1	23.4	29.3	34.9	36.6	36.1	33.6	32.3	28.9
82.5°	14.5	14.9	15.3	15.7	17.9	22.5	24.2	25.1	23.0	21.7	18.7
85°	8.5	8.9	8.9	9.8	10.2	11.5	14.5	14.5	14.0	12.3	11.9
87.5°	4.3	4.3	3.8	3.8	4.3	4.7	5.5	6.4	5.5	5.1	4.7
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	604.8	605.3	606.5	602.7	596.8	594.2	586.6	585.3	584.0	584.0	585.3
5°	591.2	589.5	590.0	582.7	574.2	569.1	558.5	560.2	554.7	551.3	552.1
7.5°	576.4	571.7	571.3	561.9	551.3	541.9	530.9	528.3	523.2	517.3	514.7
10°	557.7	554.3	547.9	537.3	523.7	516.0	501.1	492.2	490.9	482.0	478.6
12.5°	538.5	532.6	526.2	511.3	496.0	483.7	472.7	462.9	456.1	448.4	443.3
15°	516.4	509.2	502.0	486.3	468.4	456.1	439.5	425.0	405.1	389.3	380.4
17.5°	492.2	484.1	474.4	456.9	439.5	422.5	391.9	374.9	360.9	351.5	346.0
20°	467.1	458.2	448.4	431.0	400.8	371.1	354.1	340.9	332.4	323.0	316.2
22.5°	440.8	431.4	420.8	393.6	361.7	340.9	327.7	315.4	303.1	298.0	294.6
25°	416.1	407.6	394.0	357.0	332.0	312.8	298.0	289.9	283.5	276.7	270.3
27.5°	390.6	374.9	355.8	324.7	309.0	289.5	278.8	272.9	261.8	257.2	254.2
30°	360.0	342.6	324.3	302.2	283.9	270.3	260.6	250.8	244.4	239.7	234.6
32.5°	329.0	312.4	300.9	278.0	264.4	250.4	241.0	235.1	225.7	222.7	220.6
35°	302.2	288.2	278.0	259.3	246.5	233.8	227.0	218.1	212.1	206.6	203.2
37.5°	275.9	268.2	257.6	241.9	228.3	218.1	208.7	205.7	197.6	194.7	191.3
40°	257.6	246.1	237.2	223.6	212.1	201.0	195.1	188.3	182.8	178.1	176.8
42.5°	235.5	227.0	221.9	207.0	195.1	188.7	181.5	173.8	169.6	165.8	161.1
45°	218.9	211.2	204.0	192.1	181.5	173.4	167.0	161.9	154.7	153.0	145.8
47.5°	201.5	193.8	188.3	176.4	166.6	159.0	154.3	147.5	141.5	137.7	134.3
50°	184.0	177.7	172.6	162.4	153.9	145.8	139.4	132.6	130.1	123.7	121.6
52.5°	167.5	163.2	157.7	147.9	139.4	132.6	125.8	120.3	116.5	113.1	110.5
55°	153.4	146.6	144.1	133.5	126.2	119.0	113.1	109.7	105.0	102.9	100.7
57.5°	137.7	133.9	129.6	121.6	113.5	106.7	102.4	97.3	94.8	92.2	90.5
60°	124.1	118.6	115.2	108.4	101.2	94.8	91.0	87.1	83.7	81.6	78.2
62.5°	108.4	104.1	102.0	94.8	88.8	82.9	79.5	75.7	73.1	69.3	65.0
65°	94.8	91.4	88.8	82.9	77.4	71.8	68.4	63.8	60.4	58.2	57.8
67.5°	82.9	80.3	76.5	71.0	65.5	61.2	57.4	53.6	53.1	52.3	52.3
70°	69.7	67.2	65.0	59.1	54.4	49.7	48.9	47.6	46.3	45.9	45.1
72.5°	58.2	56.1	53.6	48.5	43.8	42.5	41.7	40.8	39.5	39.1	38.7
75°	47.2	44.2	42.5	37.8	36.6	35.7	34.9	33.6	32.7	32.3	31.5
77.5°	36.1	33.2	33.2	30.6	29.8	28.5	27.6	26.8	26.4	25.5	25.5
80°	25.5	25.5	24.7	23.4	22.1	21.7	20.4	20.0	19.6	20.0	19.1
82.5°	18.7	17.0	17.0	16.2	15.3	14.9	14.0	14.0	13.6	13.6	13.6
85°	10.6	10.6	10.2	9.4	8.9	8.9	8.5	8.5	8.1	8.1	7.7
87.5°	4.3	3.8	4.3	3.8	3.8	3.4	3.4	3.4	3.0	3.4	3.0
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	585.3	584.4	581.9	582.7	581.5	581.5	580.6	580.6	580.6	582.7	581.5
5°	553.4	550.4	547.5	546.2	544.9	543.6	543.6	543.2	547.0	546.2	549.6
7.5°	513.9	513.0	507.1	507.1	505.0	504.1	506.2	506.7	507.1	507.9	510.1
10°	478.6	476.5	468.0	468.8	467.6	465.9	467.1	466.3	469.3	470.1	469.3
12.5°	437.0	433.1	423.8	419.1	414.0	410.2	414.8	411.4	423.3	426.7	436.1
15°	381.7	374.5	368.1	368.1	363.4	360.0	362.1	366.0	368.5	372.3	374.0
17.5°	344.7	341.7	336.6	333.7	332.4	331.1	331.1	332.8	338.3	337.9	341.3
20°	313.3	311.6	309.0	305.2	303.9	303.1	303.1	303.1	306.9	310.3	312.4
22.5°	291.6	290.3	288.6	283.5	281.0	280.1	282.2	283.5	286.5	289.0	291.2
25°	269.9	266.9	264.0	262.3	261.0	261.0	261.8	262.3	263.5	264.8	267.4
27.5°	252.1	249.9	245.7	241.0	241.0	239.7	240.6	241.4	244.4	248.7	250.8
30°	232.1	231.7	230.0	228.3	226.6	225.7	227.4	228.7	229.1	231.2	231.2
32.5°	217.6	214.6	211.7	210.0	209.1	208.7	209.1	210.8	210.8	213.4	216.4
35°	203.2	201.5	198.5	195.5	194.7	192.5	194.2	195.9	198.9	200.2	201.5
37.5°	187.4	185.3	184.0	183.2	181.5	181.9	180.6	183.2	185.7	185.3	186.2
40°	175.5	171.7	167.9	167.5	167.0	166.6	166.6	167.0	168.7	170.4	173.0
42.5°	160.2	159.0	155.6	152.2	151.3	150.5	149.6	151.3	154.7	157.7	159.0
45°	144.5	142.8	142.0	139.4	137.7	137.3	136.4	138.6	141.5	142.8	143.7
47.5°	130.1	129.6	127.1	127.5	126.2	126.7	126.2	127.5	127.5	128.8	129.6
50°	120.3	119.0	117.7	116.9	115.6	115.6	115.2	115.6	117.3	119.0	118.6
52.5°	110.5	108.4	108.0	107.5	106.7	107.5	106.3	106.7	108.4	109.2	108.8
55°	99.0	98.6	97.8	96.9	96.5	96.1	96.1	96.1	97.8	99.0	99.5
57.5°	90.1	88.0	86.3	86.3	84.6	84.2	85.0	85.4	86.7	87.6	88.4
60°	77.8	76.9	74.4	73.1	70.6	70.1	70.1	71.8	74.0	76.9	77.8
62.5°	64.6	63.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.3	63.3
65°	57.4	57.8	57.4	57.0	57.4	57.4	57.0	57.0	57.0	57.4	57.8
67.5°	51.4	51.0	51.4	51.0	50.6	50.6	50.2	50.6	51.0	51.4	51.4
70°	44.6	44.6	44.2	44.6	44.2	43.8	43.4	43.4	44.2	44.6	44.6
72.5°	38.3	38.3	37.8	37.8	37.0	37.0	37.4	37.0	37.0	38.3	38.3
75°	31.9	31.5	31.0	31.0	30.6	30.6	30.6	30.2	31.0	31.0	31.5
77.5°	25.1	25.1	25.1	24.7	24.7	24.2	24.2	24.7	24.7	24.7	25.1
80°	19.1	19.1	19.1	18.7	18.3	18.3	18.3	18.3	18.3	18.7	18.3
82.5°	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.8	13.2	13.2	12.8
85°	8.1	7.7	8.1	8.1	7.7	8.1	7.7	7.7	7.2	7.2	7.7
87.5°	3.4	3.0	2.6	2.6	3.0	2.6	2.6	2.6	3.0	2.6	2.6
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	582.7	584.9	584.0	579.3	584.0	585.3	587.8	590.4	592.1	594.6	596.8
5°	546.2	550.4	553.0	550.4	558.9	560.2	566.2	569.6	574.7	578.9	582.3
7.5°	511.8	515.2	520.3	521.1	526.2	532.2	540.7	549.2	557.2	561.5	565.3
10°	474.8	480.7	488.4	486.7	494.3	503.7	512.6	526.2	533.0	540.7	547.5
12.5°	437.8	441.6	451.8	455.2	466.3	473.5	485.8	494.3	511.3	520.3	526.2
15°	373.2	388.9	401.7	417.0	431.4	445.0	456.1	471.4	486.3	493.1	502.8
17.5°	343.9	351.1	358.7	366.4	385.1	409.3	428.9	445.5	458.2	467.1	478.6
20°	313.3	320.5	329.0	336.2	347.7	365.1	389.3	417.8	433.1	442.5	453.5
22.5°	291.6	298.4	303.9	310.3	319.2	332.0	350.2	385.5	405.9	417.4	427.2
25°	268.2	276.7	282.7	287.3	294.6	308.6	323.5	343.4	380.0	388.9	402.5
27.5°	252.1	254.6	261.4	268.6	275.9	283.5	298.8	315.8	340.5	360.0	376.6
30°	232.9	239.3	245.7	248.7	255.0	266.1	275.4	293.7	312.8	328.1	348.1
32.5°	218.5	222.3	226.6	233.8	239.7	247.4	256.7	272.0	288.2	298.0	313.3
35°	202.3	204.9	213.8	216.8	222.7	230.4	239.7	251.6	269.1	276.7	287.8
37.5°	187.0	193.0	195.5	202.3	207.8	215.5	222.3	235.9	247.4	256.3	266.5
40°	175.1	177.7	182.3	188.3	193.0	198.9	207.4	217.2	229.5	236.8	245.7
42.5°	160.7	162.8	168.7	172.1	179.8	185.3	190.4	202.3	213.4	218.9	227.8
45°	144.9	150.0	153.9	160.7	164.9	171.7	178.1	186.6	196.8	203.2	208.3
47.5°	131.3	136.4	140.3	146.6	153.4	156.4	163.2	172.1	181.5	186.6	193.8
50°	120.3	122.0	129.2	132.2	139.4	145.4	150.0	157.7	167.9	170.9	176.8
52.5°	109.7	110.9	115.6	119.4	125.8	130.9	136.9	144.1	152.6	157.3	161.9
55°	100.3	101.2	103.3	107.5	111.8	118.2	123.7	130.5	137.7	142.8	147.1
57.5°	89.7	91.4	93.1	95.6	99.9	105.8	111.8	118.2	124.1	127.5	133.0
60°	77.4	79.9	82.9	85.9	88.8	93.1	99.9	105.8	111.4	114.3	118.6
62.5°	64.2	69.3	71.8	75.2	77.8	81.6	86.7	93.5	97.3	101.2	104.6
65°	57.8	58.2	58.7	62.1	66.7	70.6	75.2	80.3	86.3	88.8	91.4
67.5°	51.4	51.9	52.7	53.1	54.8	59.1	64.2	69.7	74.4	76.1	78.6
70°	45.1	45.1	46.8	47.2	47.6	48.0	52.3	57.8	62.1	64.2	67.2
72.5°	38.3	38.7	39.5	40.0	40.8	41.7	42.9	45.9	51.0	53.1	56.5
75°	31.5	31.9	32.3	32.7	34.0	34.4	35.7	37.4	39.5	42.1	44.2
77.5°	25.1	25.1	25.5	26.4	27.2	27.6	28.9	29.8	30.6	31.9	33.6
80°	18.7	19.1	19.1	20.0	20.0	20.4	20.8	22.1	23.0	23.8	24.7
82.5°	12.8	13.6	13.6	13.6	14.0	14.5	14.9	14.9	15.7	16.2	17.4
85°	7.7	8.1	8.1	8.1	7.7	8.5	8.5	8.9	8.9	8.9	9.4
87.5°	3.0	2.6	3.0	3.0	3.0	3.4	3.0	3.0	3.4	3.8	3.8
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	611.6	611.6	611.6	611.6
2.5°	600.6	599.3	607.0	615.5
5°	588.3	590.4	600.2	612.1
7.5°	575.5	580.2	591.7	607.4
10°	557.7	566.2	583.6	599.7
12.5°	540.2	551.7	568.3	587.4
15°	520.7	533.4	553.8	576.8
17.5°	499.0	513.5	537.3	562.3
20°	476.1	495.2	520.3	547.5
22.5°	450.6	473.5	499.4	529.6
25°	425.9	451.0	476.9	511.8
27.5°	401.7	426.3	455.2	490.5
30°	377.4	400.0	431.0	468.8
32.5°	351.5	374.9	407.6	446.3
35°	327.7	351.1	381.7	419.9
37.5°	302.2	327.3	356.6	396.1
40°	272.5	301.8	330.3	368.1
42.5°	247.8	278.8	306.5	342.2
45°	228.3	257.6	280.5	315.4
47.5°	210.0	233.8	257.2	289.5
50°	192.5	210.8	235.1	264.0
52.5°	174.7	190.4	211.2	238.5
55°	158.5	173.4	192.1	212.9
57.5°	143.7	154.3	173.0	191.7
60°	127.1	138.1	152.6	168.3
62.5°	113.1	121.6	135.2	148.3
65°	98.2	106.3	116.5	128.8
67.5°	84.6	91.8	99.9	109.7
70°	72.3	77.8	83.7	92.2
72.5°	59.1	65.0	70.6	77.4
75°	48.5	51.0	55.7	60.4
77.5°	37.4	40.8	43.4	47.2
80°	26.8	29.8	30.6	33.6
82.5°	17.9	19.6	21.3	22.1
85°	10.2	11.1	12.8	13.2
87.5°	3.8	4.3	5.1	6.0
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: P1008368

CATALOG NUMBER: S122RDIP-B290D530UB2750-4F0-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)