

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: P999356

Luminaire Tested: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999356
REPORT IS A COMBINATION OF REPORTS P987907 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

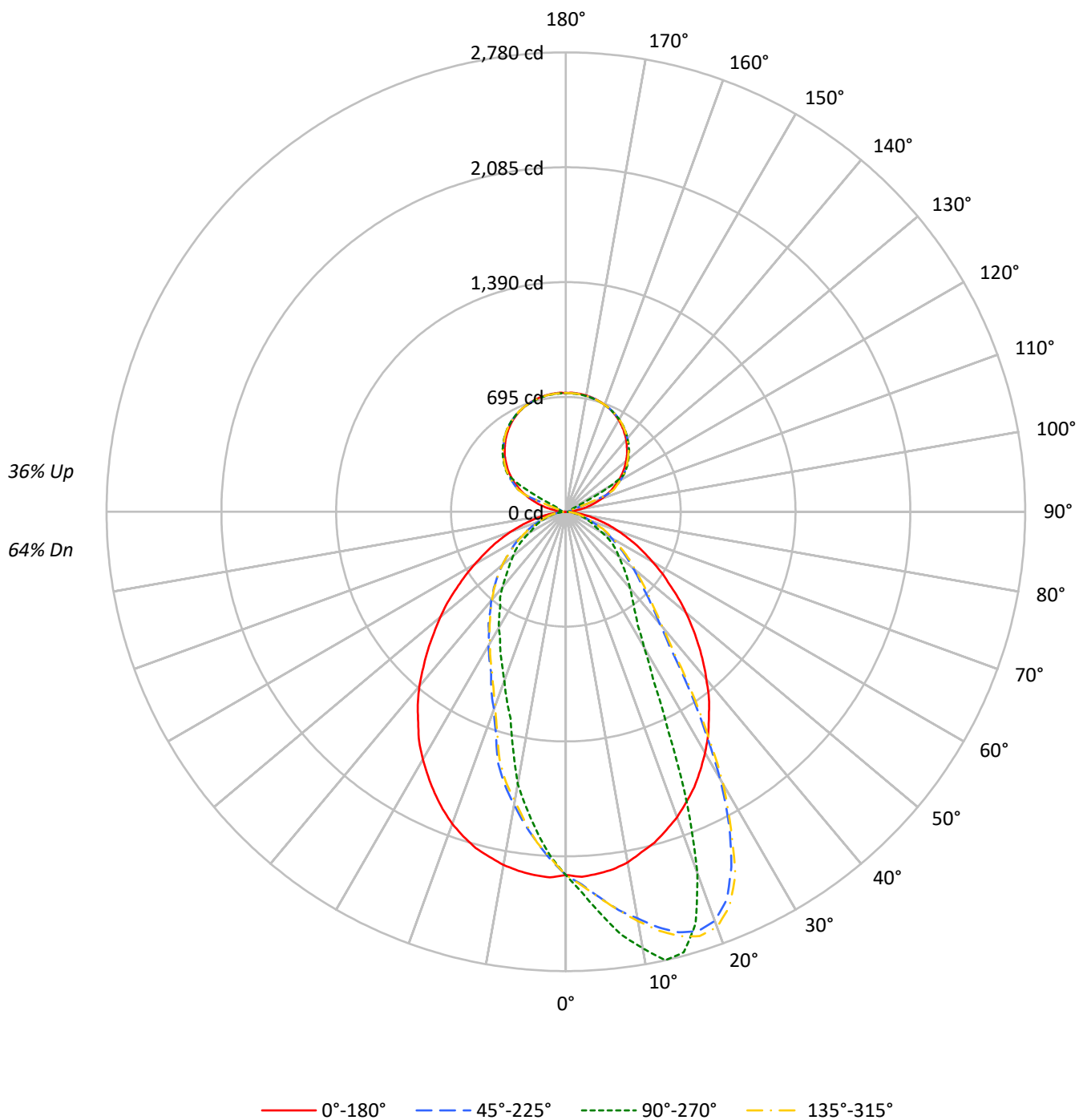
Lumens per Lamp: N/A
Luminaire Lumens: 5906.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 76.7
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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64		
1	102	98	94	91	96	92	89	86	82	79	77	72	70	69	63	62	60	56		
2	94	87	81	76	88	82	77	73	73	69	66	64	61	59	57	54	53	49		
3	86	77	70	65	81	73	67	62	65	60	57	58	54	51	51	48	46	43		
4	80	69	62	56	75	66	59	54	59	53	49	52	48	45	47	43	41	38		
5	74	62	55	49	69	59	52	47	53	48	43	48	43	40	43	39	36	34		
6	68	57	49	43	64	54	47	42	49	43	39	44	39	36	39	35	33	30		
7	64	52	44	39	60	49	42	37	45	39	35	40	36	32	36	32	30	27		
8	59	47	40	35	56	45	38	34	41	35	31	37	33	29	33	30	27	25		
9	56	44	36	31	52	42	35	30	38	32	29	34	30	27	31	27	25	23		
10	52	40	33	29	49	39	32	28	35	30	26	32	28	24	29	25	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34790	34790	34790	34790
5°	34870	36952	34991	29520
10°	34486	39056	34731	24377
15°	33737	39069	34309	18313
20°	32837	32295	33552	15109
25°	31746	20180	32433	12854
30°	30353	12920	31178	11065
35°	28658	9930	29585	9470
40°	26768	8347	27912	8283
45°	24749	7104	25784	6953
50°	22680	6036	23739	6014
55°	20390	5245	21487	5177
60°	18352	4000	19326	3952
65°	16452	3009	17430	3415
70°	14352	2404	15478	2783
75°	12133	1841	13241	2105
80°	9636	1253	10363	1381
85°	6681	647	7331	682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 31825 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	3.5
10°-20°	581.9	9.9
20°-30°	748.9	12.7
30°-40°	710.4	12.0
40°-50°	608.9	10.3
50°-60°	463.7	7.9
60°-70°	292.4	5.0
70°-80°	145.9	2.5
80°-90°	38.8	0.7
90°-100°	23.7	0.4
100°-110°	88.3	1.5
110°-120°	234.3	4.0
120°-130°	388.6	6.6
130°-140°	412.7	7.0
140°-150°	383.6	6.5
150°-160°	308.4	5.2
160°-170°	198.7	3.4
170°-180°	68.4	1.2
0°-30°	1539.2	26.1
0°-40°	2249.6	38.1
0°-60°	3322.2	56.3
0°-90°	3799.3	64.3
90°-120°	346.3	5.9
90°-150°	1531.2	25.9
90°-180°	2107.0	35.7
0°-180°	5906.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2198	2198	2198	2198	2198	
5°	2199	2445	2207	1953	2199	209
15°	2072	2760	2108	1294	2072	583
25°	1839	1472	1879	938	1839	844
35°	1509	726	1558	692	1509	944
45°	1133	504	1181	493	1133	875
55°	765	350	806	345	765	690
65°	463	182	490	206	463	459
75°	217	96	237	110	217	235
85°	47	28	52	29	47	54
90°	0	14	0	14	0	5
95°	34	22	34	22	34	40
105°	158	40	158	40	158	169
115°	299	43	299	43	299	294
125°	423	445	423	445	423	377
135°	523	540	523	540	523	404
145°	607	616	607	616	607	380
155°	668	669	668	669	668	308
165°	704	702	704	702	704	199
175°	720	716	720	716	720	69
180°	719	719	719	719	719	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2211.5	2220.7	2225.2	2231.4	2245.1	2254.3	2268.0	2271.1	2269.5	2275.7	2258.9
5°	2199.3	2219.1	2237.5	2252.7	2277.2	2292.5	2309.3	2329.1	2333.7	2356.6	2342.9
7.5°	2182.5	2211.5	2237.5	2268.0	2304.7	2324.5	2350.5	2381.0	2394.8	2422.3	2429.9
10°	2155.0	2196.2	2240.5	2272.6	2323.0	2358.1	2382.6	2431.4	2463.5	2504.7	2498.6
12.5°	2110.7	2164.2	2223.7	2277.2	2342.9	2365.8	2411.6	2462.0	2503.2	2541.4	2575.0
15°	2072.5	2133.6	2199.3	2265.0	2339.8	2382.6	2428.4	2494.1	2538.3	2605.5	2634.6
17.5°	2020.6	2098.5	2176.4	2249.7	2338.3	2387.1	2443.7	2507.8	2573.5	2637.6	2660.5
20°	1967.1	2051.1	2135.1	2234.4	2335.2	2382.6	2440.6	2520.0	2584.2	2634.6	2634.6
22.5°	1903.0	2005.3	2101.5	2196.2	2306.2	2374.9	2434.5	2527.7	2573.5	2584.2	2542.9
25°	1838.8	1941.2	2046.6	2164.2	2289.4	2350.5	2417.7	2504.7	2520.0	2477.3	2370.3
27.5°	1762.5	1877.0	1996.2	2122.9	2254.3	2330.6	2391.7	2449.8	2420.7	2306.2	2139.7
30°	1684.6	1808.3	1942.7	2063.4	2222.2	2292.5	2344.4	2361.2	2269.5	2083.2	1867.9
32.5°	1603.6	1724.3	1866.3	2011.4	2171.8	2239.0	2272.6	2228.3	2060.3	1825.1	1562.4
35°	1509.0	1644.9	1793.0	1944.2	2103.1	2153.5	2173.3	2064.9	1849.5	1545.6	1284.4
37.5°	1423.4	1559.4	1718.2	1872.4	2026.7	2054.2	2034.3	1864.8	1591.4	1290.6	1035.5
40°	1322.6	1467.7	1623.5	1796.1	1922.8	1930.5	1881.6	1661.7	1322.6	1040.1	882.8
42.5°	1229.5	1376.1	1531.9	1707.5	1803.7	1777.8	1712.1	1423.4	1104.2	896.5	769.8
45°	1133.2	1272.2	1440.2	1596.0	1664.7	1603.6	1504.4	1197.4	927.1	771.3	673.5
47.5°	1040.1	1169.9	1336.4	1486.0	1498.3	1429.5	1311.9	1003.4	803.4	678.1	598.7
50°	948.4	1078.3	1234.0	1357.8	1345.5	1250.8	1118.0	872.1	698.0	598.7	533.0
52.5°	856.8	974.4	1125.6	1223.4	1171.4	1079.8	948.4	739.2	609.4	522.3	471.9
55°	765.2	875.1	1005.0	1085.9	1003.4	898.0	804.9	633.8	528.4	458.2	420.0
57.5°	688.8	775.9	895.0	943.9	844.6	762.1	681.2	545.2	458.2	407.8	363.5
60°	604.8	684.2	782.0	811.0	708.7	641.5	572.7	461.2	392.5	348.2	319.2
62.5°	533.0	598.7	673.5	673.5	583.4	533.0	481.1	386.4	329.9	294.8	281.0
65°	462.8	510.1	563.6	557.5	481.1	436.8	395.6	319.2	276.4	252.0	238.3
67.5°	394.0	430.7	465.8	444.4	389.5	351.3	313.1	258.1	229.1	212.3	194.0
70°	331.4	360.4	378.8	358.9	303.9	271.9	244.4	207.7	184.8	163.4	152.7
72.5°	278.0	290.2	296.3	271.9	226.0	207.7	187.9	161.9	142.0	131.3	128.3
75°	216.9	227.6	223.0	204.7	166.5	152.7	137.5	119.1	114.5	108.4	105.4
77.5°	169.5	169.5	161.9	145.1	119.1	108.4	102.3	93.2	88.6	87.1	84.0
80°	120.7	119.1	114.5	96.2	80.9	74.8	74.8	68.7	67.2	64.1	64.1
82.5°	79.4	79.4	73.3	58.0	53.5	51.9	50.4	47.3	47.3	45.8	45.8
85°	47.3	44.3	36.7	32.1	30.5	30.5	29.0	27.5	29.0	27.5	27.5
87.5°	21.4	16.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
90°	0.5	1.8	3.0	4.3	5.6	6.2	6.7	7.6	8.5	9.5	10.4
92.5°	13.0	12.5	12.1	11.6	11.1	10.9	11.1	11.4	11.8	12.1	12.5
95°	33.8	30.0	26.2	22.3	18.5	16.6	17.0	17.8	18.7	19.5	20.3
97.5°	60.8	51.3	41.9	32.4	22.9	18.2	19.1	21.0	22.8	24.7	26.5
100°	92.0	76.2	60.4	44.5	28.7	20.8	21.8	23.7	25.7	27.6	29.6
102.5°	126.4	126.2	125.9	125.7	125.4	125.3	114.8	93.8	72.7	51.7	30.7
105°	158.1	161.6	165.0	168.5	172.0	173.7	157.9	126.4	94.8	63.3	31.7
107.5°	195.0	197.9	200.8	203.7	206.6	208.0	188.5	149.6	110.7	71.7	32.8
110°	230.4	232.8	235.2	237.7	240.1	241.3	224.6	191.2	157.8	124.4	91.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	263.6	265.7	267.8	269.9	272.0	273.0	272.0	270.1	268.1	266.2	264.2
115°	299.0	301.0	302.9	304.9	306.8	307.8	309.2	312.1	315.0	317.9	320.8
117.5°	329.7	332.0	334.3	336.6	338.9	340.1	341.1	343.0	345.0	346.9	348.9
120°	364.0	365.7	367.5	369.2	370.9	371.8	372.8	374.9	377.0	379.0	381.1
122.5°	393.1	394.9	396.8	398.6	400.5	401.4	402.6	404.9	407.2	409.5	411.8
125°	422.7	424.2	425.7	427.2	428.7	429.5	430.6	432.8	435.0	437.2	439.4
127.5°	449.8	451.4	453.0	454.7	456.3	457.1	458.0	459.7	461.4	463.2	464.9
130°	475.3	477.1	479.0	480.8	482.7	483.6	484.2	485.5	486.8	488.0	489.3
132.5°	501.3	502.8	504.3	505.8	507.3	508.0	508.6	509.9	511.2	512.4	513.7
135°	523.1	524.9	526.8	528.6	530.5	531.4	531.9	533.0	534.0	535.1	536.1
137.5°	546.0	547.4	548.8	550.1	551.5	552.2	552.8	553.9	555.1	556.2	557.4
140°	568.3	569.2	570.2	571.1	572.0	572.5	573.1	574.4	575.7	576.9	578.2
142.5°	587.1	587.9	588.7	589.5	590.3	590.7	591.5	593.0	594.5	596.0	597.5
145°	606.8	606.7	606.6	606.5	606.4	606.3	607.3	609.2	611.2	613.1	615.1
147.5°	624.0	623.6	623.3	622.9	622.6	622.4	623.4	625.4	627.3	629.3	631.3
150°	640.6	639.8	639.0	638.2	637.4	637.0	637.9	639.8	641.6	643.5	645.3
152.5°	654.7	653.8	652.8	651.9	651.0	650.5	651.4	653.1	654.8	656.6	658.3
155°	668.2	667.2	666.1	665.1	664.0	663.5	664.2	665.6	666.9	668.3	669.7
157.5°	679.1	678.2	677.2	676.3	675.4	674.9	675.4	676.5	677.5	678.6	679.6
160°	688.5	687.8	687.1	686.4	685.7	685.3	685.7	686.4	687.1	687.8	688.5
162.5°	696.8	696.1	695.4	694.7	694.0	693.7	694.0	694.6	695.1	695.7	696.3
165°	704.1	703.4	702.7	702.0	701.3	700.9	701.1	701.4	701.8	702.1	702.5
167.5°	709.8	709.1	708.4	707.7	707.0	706.7	706.9	707.2	707.5	707.9	708.2
170°	714.5	713.8	713.1	712.4	711.7	711.3	711.4	711.7	711.9	712.2	712.4
172.5°	717.6	716.9	716.2	715.5	714.8	714.5	714.6	714.8	715.1	715.3	715.5
175°	720.2	719.4	718.6	717.7	716.9	716.5	716.6	716.9	717.1	717.4	717.6
177.5°	721.2	720.4	719.6	718.8	718.0	717.6	717.7	717.8	717.9	718.0	718.1
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2275.7	2278.7	2283.3	2304.7	2307.7	2313.8	2310.8	2310.8	2312.3	2309.3	2310.8
5°	2373.4	2378.0	2400.9	2426.9	2433.0	2426.9	2434.5	2445.2	2445.2	2445.2	2442.1
7.5°	2465.0	2481.8	2507.8	2546.0	2553.6	2561.3	2575.0	2565.8	2568.9	2582.6	2578.1
10°	2553.6	2578.1	2607.1	2639.1	2655.9	2666.6	2672.7	2686.5	2718.6	2681.9	2695.7
12.5°	2637.6	2672.7	2703.3	2738.4	2750.6	2764.4	2769.0	2781.2	2781.2	2779.7	2790.3
15°	2692.6	2724.7	2752.2	2775.1	2778.1	2775.1	2772.0	2773.5	2778.1	2759.8	2770.5
17.5°	2704.8	2707.9	2717.0	2707.9	2709.4	2677.3	2659.0	2654.4	2611.7	2613.2	2648.3
20°	2645.3	2593.3	2579.6	2529.2	2498.6	2416.2	2413.1	2390.2	2300.1	2327.6	2321.5
22.5°	2481.8	2393.3	2275.7	2217.6	2188.6	2101.5	2034.3	1987.0	1954.9	1922.8	1909.1
25°	2266.5	2122.9	1956.4	1841.9	1825.1	1744.2	1620.4	1562.4	1493.7	1472.3	1509.0
27.5°	1988.5	1802.2	1614.3	1438.7	1406.6	1333.3	1270.7	1229.5	1150.0	1145.5	1148.5
30°	1611.3	1423.4	1266.1	1151.6	1072.2	1038.6	997.3	966.8	934.7	946.9	950.0
32.5°	1324.2	1145.5	998.8	937.8	901.1	879.7	844.6	824.7	811.0	806.4	804.9
35°	1052.3	933.2	867.5	807.9	786.6	771.3	745.3	736.1	723.9	725.5	725.5
37.5°	901.1	801.8	753.0	722.4	702.5	694.9	678.1	668.9	661.3	658.3	662.8
40°	777.4	708.7	678.1	650.6	633.8	630.8	621.6	610.9	601.7	603.3	607.9
42.5°	687.3	647.6	610.9	589.5	577.3	572.7	565.1	557.5	557.5	552.9	551.3
45°	615.5	583.4	552.9	533.0	525.4	519.3	510.1	508.6	502.5	504.0	505.5
47.5°	551.3	525.4	502.5	482.6	475.0	473.5	464.3	458.2	458.2	456.7	455.1
50°	493.3	467.3	447.5	436.8	426.1	423.1	421.5	420.0	416.9	416.9	418.5
52.5°	446.0	420.0	404.7	395.6	389.5	386.4	386.4	384.9	384.9	384.9	383.3
55°	394.0	372.7	360.4	357.4	354.3	352.8	351.3	348.2	346.7	349.7	346.7
57.5°	345.2	337.5	326.8	323.8	316.1	316.1	311.6	308.5	305.5	308.5	308.5
60°	307.0	296.3	290.2	281.0	274.9	268.8	261.2	259.6	256.6	255.1	253.5
62.5°	267.3	258.1	242.8	229.1	219.9	213.8	210.8	209.2	209.2	207.7	207.7
65°	223.0	201.6	194.0	189.4	187.9	186.3	183.3	181.7	183.3	181.7	183.3
67.5°	174.1	171.1	166.5	163.4	161.9	160.4	160.4	158.8	158.8	158.8	158.8
70°	151.2	143.6	142.0	139.0	139.0	137.5	137.5	137.5	137.5	135.9	139.0
72.5°	125.2	120.7	119.1	117.6	117.6	117.6	116.1	116.1	116.1	114.5	116.1
75°	102.3	100.8	97.7	97.7	96.2	97.7	96.2	96.2	94.7	96.2	96.2
77.5°	82.5	80.9	79.4	79.4	77.9	77.9	77.9	77.9	77.9	77.9	79.4
80°	62.6	61.1	59.6	61.1	59.6	61.1	59.6	59.6	61.1	59.6	59.6
82.5°	45.8	44.3	44.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
85°	27.5	26.0	26.0	27.5	26.0	27.5	26.0	26.0	26.0	27.5	27.5
87.5°	12.2	13.7	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	13.7
90°	11.0	11.6	12.1	12.7	13.0	13.1	13.3	13.6	13.8	14.0	13.8
92.5°	12.7	12.9	13.2	13.4	13.5	13.6	13.7	13.8	13.9	14.0	13.9
95°	20.9	21.5	22.0	22.6	22.9	22.8	22.7	22.6	22.5	22.4	22.5
97.5°	26.9	27.2	27.6	27.9	28.1	28.2	28.3	28.4	28.5	28.6	28.5
100°	30.5	31.5	32.4	33.3	33.8	33.9	34.1	34.4	34.6	34.8	34.6
102.5°	32.0	33.2	34.5	35.8	36.4	36.6	36.9	37.3	37.6	38.0	37.6
105°	33.0	34.2	35.5	36.8	37.4	37.6	38.1	38.6	39.0	39.5	39.0
107.5°	34.1	35.3	36.6	37.9	38.5	38.7	39.2	39.7	40.1	40.6	40.1
110°	79.4	67.9	56.3	44.8	39.0	39.2	39.7	40.2	40.6	41.1	40.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	214.4	164.6	114.7	64.9	40.0	40.2	40.5	40.9	41.2	41.6	41.2
115°	267.3	213.8	160.3	106.8	80.1	75.9	67.6	59.3	50.9	42.6	50.9
117.5°	332.4	315.9	299.4	282.9	274.6	259.5	229.2	198.9	168.6	138.3	168.6
120°	382.5	383.9	385.3	386.7	387.4	379.6	364.0	348.4	332.8	317.2	332.8
122.5°	412.5	413.2	413.9	414.6	414.9	415.0	415.1	415.2	415.4	415.5	415.4
125°	440.2	441.0	441.8	442.6	443.0	443.2	443.5	443.9	444.2	444.6	444.2
127.5°	466.1	467.2	468.4	469.5	470.1	470.2	470.3	470.4	470.5	470.6	470.5
130°	490.6	491.8	493.1	494.4	495.0	494.9	494.8	494.7	494.6	494.5	494.6
132.5°	514.7	515.8	516.8	517.9	518.4	518.3	518.2	518.1	518.0	517.9	518.0
135°	537.3	538.4	539.6	540.7	541.3	541.2	541.0	540.7	540.5	540.3	540.5
137.5°	558.6	559.7	560.9	562.0	562.6	562.4	562.1	561.8	561.4	561.1	561.4
140°	579.2	580.3	581.3	582.4	582.9	582.6	582.0	581.5	580.9	580.3	580.9
142.5°	598.4	599.3	600.2	601.1	601.6	601.3	600.7	600.2	599.6	599.0	599.6
145°	615.9	616.7	617.6	618.4	618.8	618.5	617.9	617.4	616.8	616.2	616.8
147.5°	631.9	632.5	633.0	633.6	633.9	633.7	633.2	632.7	632.3	631.8	632.3
150°	646.0	646.7	647.4	648.1	648.4	648.1	647.5	647.0	646.4	645.8	646.4
152.5°	659.0	659.7	660.4	661.1	661.4	661.0	660.2	659.4	658.6	657.8	658.6
155°	670.4	671.1	671.8	672.5	672.9	672.4	671.5	670.6	669.6	668.7	669.6
157.5°	680.4	681.2	682.1	682.9	683.3	682.8	681.9	681.0	680.0	679.1	680.0
160°	689.2	689.9	690.6	691.3	691.6	691.2	690.4	689.5	688.7	687.9	688.7
162.5°	697.1	697.9	698.7	699.5	699.9	699.4	698.3	697.3	696.2	695.2	696.2
165°	703.3	704.1	704.9	705.7	706.1	705.7	704.9	704.1	703.3	702.5	703.3
167.5°	709.0	709.8	710.7	711.5	711.9	711.4	710.3	709.3	708.2	707.2	708.2
170°	713.2	714.0	714.8	715.6	716.0	715.5	714.4	713.4	712.3	711.3	712.3
172.5°	716.3	717.1	717.9	718.7	719.1	718.6	717.6	716.5	715.5	714.5	715.5
175°	718.4	719.2	720.0	720.8	721.2	720.6	719.5	718.3	717.2	716.0	717.2
177.5°	718.9	719.7	720.5	721.3	721.7	721.2	720.2	719.1	718.1	717.1	718.1
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2316.9	2306.2	2303.1	2306.2	2303.1	2304.7	2294.0	2254.3	2265.0	2248.2	2257.3
5°	2448.2	2439.1	2419.2	2416.2	2413.1	2410.1	2394.8	2359.7	2345.9	2323.0	2321.5
7.5°	2573.5	2573.5	2558.2	2547.5	2533.8	2523.1	2503.2	2451.3	2429.9	2402.4	2387.1
10°	2697.2	2657.5	2674.3	2663.6	2630.0	2623.9	2587.2	2556.7	2515.4	2487.9	2463.5
12.5°	2785.8	2773.5	2758.3	2749.1	2739.9	2720.1	2695.7	2617.8	2596.4	2541.4	2513.9
15°	2782.7	2775.1	2779.7	2779.7	2776.6	2772.0	2752.2	2695.7	2659.0	2605.5	2558.2
17.5°	2633.0	2652.9	2672.7	2686.5	2717.0	2730.8	2749.1	2715.5	2692.6	2646.8	2596.4
20°	2371.9	2420.7	2478.8	2491.0	2518.5	2599.4	2636.1	2665.1	2674.3	2659.0	2617.8
22.5°	2008.4	2049.6	2190.1	2187.1	2226.8	2323.0	2429.9	2517.0	2585.7	2623.9	2608.6
25°	1573.1	1631.1	1706.0	1762.5	1892.3	2035.9	2168.7	2307.7	2426.9	2532.2	2558.2
27.5°	1189.8	1266.1	1325.7	1400.5	1466.2	1635.7	1806.8	2023.6	2162.6	2362.7	2466.6
30°	962.2	997.3	1056.9	1092.0	1124.1	1253.9	1447.9	1661.7	1906.0	2136.7	2315.4
32.5°	821.7	846.1	890.4	905.7	939.3	1026.3	1148.5	1344.0	1596.0	1875.5	2110.7
35°	737.7	763.6	772.8	786.6	814.0	869.0	953.0	1095.1	1322.6	1596.0	1877.0
37.5°	665.9	679.6	705.6	714.8	723.9	765.2	821.7	921.0	1072.2	1296.7	1608.2
40°	615.5	623.1	636.9	644.5	650.6	679.6	730.0	797.2	908.7	1079.8	1366.9
42.5°	562.0	571.2	580.4	589.5	597.2	620.1	650.6	714.8	789.6	919.4	1127.1
45°	510.1	516.2	526.9	533.0	543.7	562.0	589.5	633.8	701.0	783.5	951.5
47.5°	462.8	470.4	475.0	482.6	490.3	510.1	536.1	565.1	620.1	701.0	823.2
50°	420.0	429.2	435.3	436.8	442.9	461.2	482.6	514.7	549.8	612.4	719.3
52.5°	389.5	391.0	395.6	401.7	400.1	410.8	430.7	455.1	491.8	542.2	620.1
55°	354.3	358.9	362.0	363.5	363.5	372.7	383.3	406.3	435.3	476.5	542.2
57.5°	310.0	314.6	323.8	326.8	331.4	336.0	340.6	355.9	380.3	420.0	473.5
60°	264.2	267.3	276.4	282.5	285.6	297.8	303.9	316.1	329.9	358.9	409.3
62.5°	212.3	215.3	219.9	226.0	232.1	250.5	265.7	278.0	288.7	308.5	349.7
65°	184.8	186.3	189.4	190.9	192.4	200.1	213.8	230.6	250.5	265.7	290.2
67.5°	160.4	161.9	163.4	166.5	168.0	169.5	175.6	180.2	200.1	221.5	239.8
70°	137.5	140.5	142.0	142.0	143.6	146.6	149.7	155.8	161.9	172.6	195.5
72.5°	116.1	117.6	120.7	120.7	120.7	123.7	126.8	129.8	132.9	139.0	148.1
75°	96.2	99.3	99.3	99.3	100.8	100.8	103.9	106.9	110.0	114.5	117.6
77.5°	79.4	79.4	79.4	79.4	80.9	80.9	82.5	85.5	87.1	88.6	91.6
80°	59.6	61.1	61.1	61.1	62.6	62.6	62.6	65.7	67.2	67.2	70.3
82.5°	44.3	44.3	44.3	45.8	44.3	45.8	45.8	47.3	45.8	47.3	48.9
85°	27.5	27.5	27.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	30.5
87.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	15.3	13.7	13.7
90°	13.6	13.3	13.1	13.0	12.7	12.1	11.6	11.0	10.4	9.5	8.5
92.5°	13.8	13.7	13.6	13.5	13.4	13.2	12.9	12.7	12.5	12.1	11.8
95°	22.6	22.7	22.8	22.9	22.6	22.0	21.5	20.9	20.3	19.5	18.7
97.5°	28.4	28.3	28.2	28.1	27.9	27.6	27.2	26.9	26.5	24.7	22.8
100°	34.4	34.1	33.9	33.8	33.3	32.4	31.5	30.5	29.6	27.6	25.7
102.5°	37.3	36.9	36.6	36.4	35.8	34.5	33.2	32.0	30.7	51.7	72.7
105°	38.6	38.1	37.6	37.4	36.8	35.5	34.2	33.0	31.7	63.3	94.8
107.5°	39.7	39.2	38.7	38.5	37.9	36.6	35.3	34.1	32.8	71.7	110.7
110°	40.2	39.7	39.2	39.0	44.8	56.3	67.9	79.4	91.0	124.4	157.8

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	40.9	40.5	40.2	40.0	64.9	114.7	164.6	214.4	264.2	266.2	268.1
115°	59.3	67.6	75.9	80.1	106.8	160.3	213.8	267.3	320.8	317.9	315.0
117.5°	198.9	229.2	259.5	274.6	282.9	299.4	315.9	332.4	348.9	346.9	345.0
120°	348.4	364.0	379.6	387.4	386.7	385.3	383.9	382.5	381.1	379.0	377.0
122.5°	415.2	415.1	415.0	414.9	414.6	413.9	413.2	412.5	411.8	409.5	407.2
125°	443.9	443.5	443.2	443.0	442.6	441.8	441.0	440.2	439.4	437.2	435.0
127.5°	470.4	470.3	470.2	470.1	469.5	468.4	467.2	466.1	464.9	463.2	461.4
130°	494.7	494.8	494.9	495.0	494.4	493.1	491.8	490.6	489.3	488.0	486.8
132.5°	518.1	518.2	518.3	518.4	517.9	516.8	515.8	514.7	513.7	512.4	511.2
135°	540.7	541.0	541.2	541.3	540.7	539.6	538.4	537.3	536.1	535.1	534.0
137.5°	561.8	562.1	562.4	562.6	562.0	560.9	559.7	558.6	557.4	556.2	555.1
140°	581.5	582.0	582.6	582.9	582.4	581.3	580.3	579.2	578.2	576.9	575.7
142.5°	600.2	600.7	601.3	601.6	601.1	600.2	599.3	598.4	597.5	596.0	594.5
145°	617.4	617.9	618.5	618.8	618.4	617.6	616.7	615.9	615.1	613.1	611.2
147.5°	632.7	633.2	633.7	633.9	633.6	633.0	632.5	631.9	631.3	629.3	627.3
150°	647.0	647.5	648.1	648.4	648.1	647.4	646.7	646.0	645.3	643.5	641.6
152.5°	659.4	660.2	661.0	661.4	661.1	660.4	659.7	659.0	658.3	656.6	654.8
155°	670.6	671.5	672.4	672.9	672.5	671.8	671.1	670.4	669.7	668.3	666.9
157.5°	681.0	681.9	682.8	683.3	682.9	682.1	681.2	680.4	679.6	678.6	677.5
160°	689.5	690.4	691.2	691.6	691.3	690.6	689.9	689.2	688.5	687.8	687.1
162.5°	697.3	698.3	699.4	699.9	699.5	698.7	697.9	697.1	696.3	695.7	695.1
165°	704.1	704.9	705.7	706.1	705.7	704.9	704.1	703.3	702.5	702.1	701.8
167.5°	709.3	710.3	711.4	711.9	711.5	710.7	709.8	709.0	708.2	707.9	707.5
170°	713.4	714.4	715.5	716.0	715.6	714.8	714.0	713.2	712.4	712.2	711.9
172.5°	716.5	717.6	718.6	719.1	718.7	717.9	717.1	716.3	715.5	715.3	715.1
175°	718.3	719.5	720.6	721.2	720.8	720.0	719.2	718.4	717.6	717.4	717.1
177.5°	719.1	720.2	721.2	721.7	721.3	720.5	719.7	718.9	718.1	718.0	717.9
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2243.6	2235.9	2235.9	2231.4	2231.4	2206.9	2206.9	2214.6	2205.4	2194.7	2179.4
5°	2301.6	2284.8	2280.2	2274.1	2254.3	2223.7	2211.5	2206.9	2188.6	2165.7	2139.7
7.5°	2356.6	2329.1	2315.4	2301.6	2275.7	2232.9	2208.4	2191.6	2164.2	2129.0	2095.4
10°	2410.1	2374.9	2339.8	2323.0	2286.3	2232.9	2197.8	2170.3	2130.6	2083.2	2035.9
12.5°	2458.9	2385.6	2379.5	2345.9	2292.5	2231.4	2177.9	2138.2	2087.8	2032.8	1977.8
15°	2501.7	2426.9	2390.2	2359.7	2289.4	2213.0	2156.5	2107.6	2040.4	1977.8	1910.6
17.5°	2523.1	2442.1	2417.7	2367.3	2295.5	2196.2	2119.9	2060.3	1987.0	1912.2	1835.8
20°	2544.5	2449.8	2410.1	2374.9	2277.2	2164.2	2078.6	2009.9	1929.0	1840.4	1756.4
22.5°	2555.1	2449.8	2402.4	2353.5	2258.9	2129.0	2028.2	1947.3	1852.6	1762.5	1661.7
25°	2536.8	2440.6	2384.1	2333.7	2226.8	2086.3	1970.2	1878.6	1777.8	1675.4	1573.1
27.5°	2491.0	2419.2	2353.5	2301.6	2182.5	2031.3	1909.1	1805.2	1701.4	1586.8	1483.0
30°	2405.5	2373.4	2321.5	2263.4	2133.6	1982.4	1837.3	1730.4	1615.9	1501.3	1392.9
32.5°	2272.6	2300.1	2266.5	2216.1	2075.6	1915.2	1761.0	1652.5	1527.3	1403.6	1304.3
35°	2110.7	2208.4	2190.1	2155.0	2014.5	1843.4	1689.2	1557.8	1432.6	1307.4	1208.1
37.5°	1933.5	2081.7	2097.0	2075.6	1944.2	1770.1	1600.6	1472.3	1344.0	1217.2	1116.4
40°	1690.7	1918.3	1967.1	1976.3	1870.9	1681.5	1504.4	1379.1	1252.4	1128.7	1006.5
42.5°	1467.7	1754.8	1815.9	1854.1	1777.8	1594.5	1415.8	1276.8	1151.6	1040.1	917.9
45°	1258.5	1557.8	1657.1	1706.0	1672.4	1495.2	1310.4	1180.6	1066.0	963.7	846.1
47.5°	1043.1	1344.0	1483.0	1560.9	1560.9	1394.4	1209.6	1081.3	971.4	884.3	780.4
50°	899.6	1150.0	1293.6	1395.9	1423.4	1292.1	1118.0	992.7	888.9	794.2	714.8
52.5°	766.7	991.2	1110.3	1217.2	1296.7	1182.1	1015.6	902.6	800.3	711.7	649.1
55°	662.8	830.8	939.3	1056.9	1145.5	1070.6	916.4	806.4	717.8	644.5	591.1
57.5°	563.6	710.2	798.8	902.6	997.3	940.8	817.1	722.4	644.5	580.4	533.0
60°	479.6	598.7	667.4	748.4	866.0	826.3	723.9	636.9	574.3	516.2	476.5
62.5°	407.8	502.5	560.5	618.5	725.5	707.1	627.7	560.5	507.1	458.2	424.6
65°	334.5	412.4	458.2	508.6	594.1	601.7	537.6	490.3	441.4	398.6	368.1
67.5°	270.3	331.4	372.7	415.4	484.1	505.5	461.2	421.5	380.3	345.2	317.7
70°	218.4	261.2	291.7	325.3	381.8	407.8	384.9	357.4	323.8	294.8	270.3
72.5°	172.6	200.1	218.4	244.4	290.2	316.1	314.6	290.2	265.7	245.9	226.0
75°	126.8	148.1	163.4	180.2	216.9	241.3	247.4	236.7	212.3	197.0	181.7
77.5°	96.2	108.4	116.1	128.3	154.3	175.6	184.8	181.7	164.9	152.7	142.0
80°	73.3	76.4	79.4	84.0	105.4	125.2	131.3	129.8	120.7	116.1	103.9
82.5°	51.9	53.5	55.0	56.5	64.1	80.9	87.1	90.1	82.5	77.9	67.2
85°	30.5	32.1	32.1	35.1	36.7	41.2	51.9	51.9	50.4	44.3	42.8
87.5°	15.3	15.3	13.7	13.7	15.3	16.8	19.9	22.9	19.9	18.3	16.8
90°	7.6	6.7	6.2	5.6	4.3	3.0	1.8	0.5	1.8	3.0	4.3
92.5°	11.4	11.1	10.9	11.1	11.6	12.1	12.5	13.0	12.5	12.1	11.6
95°	17.8	17.0	16.6	18.5	22.3	26.2	30.0	33.8	30.0	26.2	22.3
97.5°	21.0	19.1	18.2	22.9	32.4	41.9	51.3	60.8	51.3	41.9	32.4
100°	23.7	21.8	20.8	28.7	44.5	60.4	76.2	92.0	76.2	60.4	44.5
102.5°	93.8	114.8	125.3	125.4	125.7	125.9	126.2	126.4	126.2	125.9	125.7
105°	126.4	157.9	173.7	172.0	168.5	165.0	161.6	158.1	161.6	165.0	168.5
107.5°	149.6	188.5	208.0	206.6	203.7	200.8	197.9	195.0	197.9	200.8	203.7
110°	191.2	224.6	241.3	240.1	237.7	235.2	232.8	230.4	232.8	235.2	237.7

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	270.1	272.0	273.0	272.0	269.9	267.8	265.7	263.6	265.7	267.8	269.9
115°	312.1	309.2	307.8	306.8	304.9	302.9	301.0	299.0	301.0	302.9	304.9
117.5°	343.0	341.1	340.1	338.9	336.6	334.3	332.0	329.7	332.0	334.3	336.6
120°	374.9	372.8	371.8	370.9	369.2	367.5	365.7	364.0	365.7	367.5	369.2
122.5°	404.9	402.6	401.4	400.5	398.6	396.8	394.9	393.1	394.9	396.8	398.6
125°	432.8	430.6	429.5	428.7	427.2	425.7	424.2	422.7	424.2	425.7	427.2
127.5°	459.7	458.0	457.1	456.3	454.7	453.0	451.4	449.8	451.4	453.0	454.7
130°	485.5	484.2	483.6	482.7	480.8	479.0	477.1	475.3	477.1	479.0	480.8
132.5°	509.9	508.6	508.0	507.3	505.8	504.3	502.8	501.3	502.8	504.3	505.8
135°	533.0	531.9	531.4	530.5	528.6	526.8	524.9	523.1	524.9	526.8	528.6
137.5°	553.9	552.8	552.2	551.5	550.1	548.8	547.4	546.0	547.4	548.8	550.1
140°	574.4	573.1	572.5	572.0	571.1	570.2	569.2	568.3	569.2	570.2	571.1
142.5°	593.0	591.5	590.7	590.3	589.5	588.7	587.9	587.1	587.9	588.7	589.5
145°	609.2	607.3	606.3	606.4	606.5	606.6	606.7	606.8	606.7	606.6	606.5
147.5°	625.4	623.4	622.4	622.6	622.9	623.3	623.6	624.0	623.6	623.3	622.9
150°	639.8	637.9	637.0	637.4	638.2	639.0	639.8	640.6	639.8	639.0	638.2
152.5°	653.1	651.4	650.5	651.0	651.9	652.8	653.8	654.7	653.8	652.8	651.9
155°	665.6	664.2	663.5	664.0	665.1	666.1	667.2	668.2	667.2	666.1	665.1
157.5°	676.5	675.4	674.9	675.4	676.3	677.2	678.2	679.1	678.2	677.2	676.3
160°	686.4	685.7	685.3	685.7	686.4	687.1	687.8	688.5	687.8	687.1	686.4
162.5°	694.6	694.0	693.7	694.0	694.7	695.4	696.1	696.8	696.1	695.4	694.7
165°	701.4	701.1	700.9	701.3	702.0	702.7	703.4	704.1	703.4	702.7	702.0
167.5°	707.2	706.9	706.7	707.0	707.7	708.4	709.1	709.8	709.1	708.4	707.7
170°	711.7	711.4	711.3	711.7	712.4	713.1	713.8	714.5	713.8	713.1	712.4
172.5°	714.8	714.6	714.5	714.8	715.5	716.2	716.9	717.6	716.9	716.2	715.5
175°	716.9	716.6	716.5	716.9	717.7	718.6	719.4	720.2	719.4	718.6	717.7
177.5°	717.8	717.7	717.6	718.0	718.8	719.6	720.4	721.2	720.4	719.6	718.8
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2173.3	2174.8	2179.4	2165.7	2144.3	2135.1	2107.6	2103.1	2098.5	2098.5	2103.1
5°	2124.4	2118.3	2119.9	2093.9	2063.4	2045.0	2006.8	2013.0	1993.1	1980.9	1983.9
7.5°	2071.0	2054.2	2052.7	2019.1	1980.9	1947.3	1907.6	1898.4	1880.1	1858.7	1849.5
10°	2003.8	1991.6	1968.7	1930.5	1881.6	1854.1	1800.7	1768.6	1764.0	1731.9	1719.7
12.5°	1935.1	1913.7	1890.8	1837.3	1782.3	1738.0	1698.3	1663.2	1638.8	1611.3	1593.0
15°	1855.6	1829.7	1803.7	1747.2	1683.1	1638.8	1579.2	1527.3	1455.5	1399.0	1366.9
17.5°	1768.6	1739.6	1704.4	1641.8	1579.2	1518.1	1408.2	1347.1	1296.7	1263.1	1243.2
20°	1678.5	1646.4	1611.3	1548.7	1440.2	1333.3	1272.2	1224.9	1194.3	1160.7	1136.3
22.5°	1583.8	1550.2	1512.0	1414.3	1299.7	1224.9	1177.5	1133.2	1089.0	1070.6	1058.4
25°	1495.2	1464.7	1415.8	1282.9	1192.8	1124.1	1070.6	1041.6	1018.7	994.3	971.4
27.5°	1403.6	1347.1	1278.3	1166.8	1110.3	1040.1	1001.9	980.5	940.8	924.0	913.3
30°	1293.6	1231.0	1165.3	1085.9	1020.2	971.4	936.2	901.1	878.2	861.4	843.1
32.5°	1182.1	1122.6	1081.3	998.8	950.0	899.6	866.0	844.6	811.0	800.3	792.7
35°	1085.9	1035.5	998.8	931.6	885.8	840.0	815.6	783.5	762.1	742.3	730.0
37.5°	991.2	963.7	925.5	869.0	820.2	783.5	749.9	739.2	710.2	699.5	687.3
40°	925.5	884.3	852.2	803.4	762.1	722.4	701.0	676.6	656.7	639.9	635.3
42.5°	846.1	815.6	797.2	743.8	701.0	678.1	652.1	624.7	609.4	595.6	578.8
45°	786.6	759.1	733.1	690.3	652.1	623.1	600.2	581.9	555.9	549.8	523.9
47.5°	723.9	696.4	676.6	633.8	598.7	571.2	554.4	530.0	508.6	494.8	482.6
50°	661.3	638.4	620.1	583.4	552.9	523.9	500.9	476.5	467.3	444.4	436.8
52.5°	601.7	586.5	566.6	531.5	500.9	476.5	452.1	432.2	418.5	406.3	397.1
55°	551.3	526.9	517.7	479.6	453.6	427.6	406.3	394.0	377.2	369.6	362.0
57.5°	494.8	481.1	465.8	436.8	407.8	383.3	368.1	349.7	340.6	331.4	325.3
60°	446.0	426.1	413.9	389.5	363.5	340.6	326.8	313.1	300.9	293.2	281.0
62.5°	389.5	374.2	366.5	340.6	319.2	297.8	285.6	271.9	262.7	248.9	233.7
65°	340.6	328.4	319.2	297.8	278.0	258.1	245.9	229.1	216.9	209.2	207.7
67.5°	297.8	288.7	274.9	255.1	235.2	219.9	206.2	192.4	190.9	187.9	187.9
70°	250.5	241.3	233.7	212.3	195.5	178.7	175.6	171.1	166.5	164.9	161.9
72.5°	209.2	201.6	192.4	174.1	157.3	152.7	149.7	146.6	142.0	140.5	139.0
75°	169.5	158.8	152.7	135.9	131.3	128.3	125.2	120.7	117.6	116.1	113.0
77.5°	129.8	119.1	119.1	110.0	106.9	102.3	99.3	96.2	94.7	91.6	91.6
80°	91.6	91.6	88.6	84.0	79.4	77.9	73.3	71.8	70.3	71.8	68.7
82.5°	67.2	61.1	61.1	58.0	55.0	53.5	50.4	50.4	48.9	48.9	48.9
85°	38.2	38.2	36.7	33.6	32.1	32.1	30.5	30.5	29.0	29.0	27.5
87.5°	15.3	13.7	15.3	13.7	13.7	12.2	12.2	12.2	10.7	12.2	10.7
90°	5.6	6.2	6.7	7.6	8.5	9.5	10.4	11.0	11.6	12.1	12.7
92.5°	11.1	10.9	11.1	11.4	11.8	12.1	12.5	12.7	12.9	13.2	13.4
95°	18.5	16.6	17.0	17.8	18.7	19.5	20.3	20.9	21.5	22.0	22.6
97.5°	22.9	18.2	19.1	21.0	22.8	24.7	26.5	26.9	27.2	27.6	27.9
100°	28.7	20.8	21.8	23.7	25.7	27.6	29.6	30.5	31.5	32.4	33.3
102.5°	125.4	125.3	114.8	93.8	72.7	51.7	30.7	32.0	33.2	34.5	35.8
105°	172.0	173.7	157.9	126.4	94.8	63.3	31.7	33.0	34.2	35.5	36.8
107.5°	206.6	208.0	188.5	149.6	110.7	71.7	32.8	34.1	35.3	36.6	37.9
110°	240.1	241.3	224.6	191.2	157.8	124.4	91.0	79.4	67.9	56.3	44.8

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	272.0	273.0	272.0	270.1	268.1	266.2	264.2	214.4	164.6	114.7	64.9
115°	306.8	307.8	309.2	312.1	315.0	317.9	320.8	267.3	213.8	160.3	106.8
117.5°	338.9	340.1	341.1	343.0	345.0	346.9	348.9	332.4	315.9	299.4	282.9
120°	370.9	371.8	372.8	374.9	377.0	379.0	381.1	382.5	383.9	385.3	386.7
122.5°	400.5	401.4	402.6	404.9	407.2	409.5	411.8	412.5	413.2	413.9	414.6
125°	428.7	429.5	430.6	432.8	435.0	437.2	439.4	440.2	441.0	441.8	442.6
127.5°	456.3	457.1	458.0	459.7	461.4	463.2	464.9	466.1	467.2	468.4	469.5
130°	482.7	483.6	484.2	485.5	486.8	488.0	489.3	490.6	491.8	493.1	494.4
132.5°	507.3	508.0	508.6	509.9	511.2	512.4	513.7	514.7	515.8	516.8	517.9
135°	530.5	531.4	531.9	533.0	534.0	535.1	536.1	537.3	538.4	539.6	540.7
137.5°	551.5	552.2	552.8	553.9	555.1	556.2	557.4	558.6	559.7	560.9	562.0
140°	572.0	572.5	573.1	574.4	575.7	576.9	578.2	579.2	580.3	581.3	582.4
142.5°	590.3	590.7	591.5	593.0	594.5	596.0	597.5	598.4	599.3	600.2	601.1
145°	606.4	606.3	607.3	609.2	611.2	613.1	615.1	615.9	616.7	617.6	618.4
147.5°	622.6	622.4	623.4	625.4	627.3	629.3	631.3	631.9	632.5	633.0	633.6
150°	637.4	637.0	637.9	639.8	641.6	643.5	645.3	646.0	646.7	647.4	648.1
152.5°	651.0	650.5	651.4	653.1	654.8	656.6	658.3	659.0	659.7	660.4	661.1
155°	664.0	663.5	664.2	665.6	666.9	668.3	669.7	670.4	671.1	671.8	672.5
157.5°	675.4	674.9	675.4	676.5	677.5	678.6	679.6	680.4	681.2	682.1	682.9
160°	685.7	685.3	685.7	686.4	687.1	687.8	688.5	689.2	689.9	690.6	691.3
162.5°	694.0	693.7	694.0	694.6	695.1	695.7	696.3	697.1	697.9	698.7	699.5
165°	701.3	700.9	701.1	701.4	701.8	702.1	702.5	703.3	704.1	704.9	705.7
167.5°	707.0	706.7	706.9	707.2	707.5	707.9	708.2	709.0	709.8	710.7	711.5
170°	711.7	711.3	711.4	711.7	711.9	712.2	712.4	713.2	714.0	714.8	715.6
172.5°	714.8	714.5	714.6	714.8	715.1	715.3	715.5	716.3	717.1	717.9	718.7
175°	716.9	716.5	716.6	716.9	717.1	717.4	717.6	718.4	719.2	720.0	720.8
177.5°	718.0	717.6	717.7	717.8	717.9	718.0	718.1	718.9	719.7	720.5	721.3
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2103.1	2100.0	2090.8	2093.9	2089.3	2089.3	2086.3	2086.3	2086.3	2093.9	2089.3
5°	1988.5	1977.8	1967.1	1962.6	1958.0	1953.4	1953.4	1951.9	1965.6	1962.6	1974.8
7.5°	1846.5	1843.4	1822.0	1822.0	1814.4	1811.4	1819.0	1820.5	1822.0	1825.1	1832.7
10°	1719.7	1712.1	1681.5	1684.6	1680.0	1673.9	1678.5	1675.4	1686.1	1689.2	1686.1
12.5°	1570.0	1556.3	1522.7	1505.9	1487.6	1473.8	1490.6	1478.4	1521.2	1533.4	1567.0
15°	1371.5	1345.5	1322.6	1322.6	1305.8	1293.6	1301.2	1315.0	1324.2	1337.9	1344.0
17.5°	1238.6	1227.9	1209.6	1198.9	1194.3	1189.8	1189.8	1195.9	1215.7	1214.2	1226.4
20°	1125.6	1119.5	1110.3	1096.6	1092.0	1089.0	1089.0	1089.0	1102.7	1114.9	1122.6
22.5°	1047.7	1043.1	1037.0	1018.7	1009.5	1006.5	1014.1	1018.7	1029.4	1038.6	1046.2
25°	969.8	959.1	948.4	942.3	937.8	937.8	940.8	942.3	946.9	951.5	960.7
27.5°	905.7	898.0	882.8	866.0	866.0	861.4	864.4	867.5	878.2	893.5	901.1
30°	833.9	832.4	826.3	820.2	814.0	811.0	817.1	821.7	823.2	830.8	830.8
32.5°	782.0	771.3	760.6	754.5	751.4	749.9	751.4	757.5	757.5	766.7	777.4
35°	730.0	723.9	713.2	702.5	699.5	691.9	698.0	704.1	714.8	719.3	723.9
37.5°	673.5	665.9	661.3	658.3	652.1	653.7	649.1	658.3	667.4	665.9	668.9
40°	630.8	617.0	603.3	601.7	600.2	598.7	598.7	600.2	606.3	612.4	621.6
42.5°	575.8	571.2	559.0	546.8	543.7	540.7	537.6	543.7	555.9	566.6	571.2
45°	519.3	513.2	510.1	500.9	494.8	493.3	490.3	497.9	508.6	513.2	516.2
47.5°	467.3	465.8	456.7	458.2	453.6	455.1	453.6	458.2	458.2	462.8	465.8
50°	432.2	427.6	423.1	420.0	415.4	415.4	413.9	415.4	421.5	427.6	426.1
52.5°	397.1	389.5	387.9	386.4	383.3	386.4	381.8	383.3	389.5	392.5	391.0
55°	355.9	354.3	351.3	348.2	346.7	345.2	345.2	345.2	351.3	355.9	357.4
57.5°	323.8	316.1	310.0	310.0	303.9	302.4	305.5	307.0	311.6	314.6	317.7
60°	279.5	276.4	267.3	262.7	253.5	252.0	252.0	258.1	265.7	276.4	279.5
62.5°	232.1	227.6	226.0	226.0	226.0	226.0	226.0	226.0	226.0	227.6	227.6
65°	206.2	207.7	206.2	204.7	206.2	206.2	204.7	204.7	204.7	206.2	207.7
67.5°	184.8	183.3	184.8	183.3	181.7	181.7	180.2	181.7	183.3	184.8	184.8
70°	160.4	160.4	158.8	160.4	158.8	157.3	155.8	155.8	158.8	160.4	160.4
72.5°	137.5	137.5	135.9	135.9	132.9	132.9	134.4	132.9	132.9	137.5	137.5
75°	114.5	113.0	111.5	111.5	110.0	110.0	110.0	108.4	111.5	111.5	113.0
77.5°	90.1	90.1	90.1	88.6	88.6	87.1	87.1	88.6	88.6	88.6	90.1
80°	68.7	68.7	68.7	67.2	65.7	65.7	65.7	65.7	65.7	67.2	65.7
82.5°	47.3	47.3	47.3	47.3	47.3	45.8	45.8	45.8	47.3	47.3	45.8
85°	29.0	27.5	29.0	29.0	27.5	29.0	27.5	27.5	26.0	26.0	27.5
87.5°	12.2	10.7	9.2	9.2	10.7	9.2	9.2	9.2	10.7	9.2	9.2
90°	13.0	13.1	13.3	13.6	13.8	14.0	13.8	13.6	13.3	13.1	13.0
92.5°	13.5	13.6	13.7	13.8	13.9	14.0	13.9	13.8	13.7	13.6	13.5
95°	22.9	22.8	22.7	22.6	22.5	22.4	22.5	22.6	22.7	22.8	22.9
97.5°	28.1	28.2	28.3	28.4	28.5	28.6	28.5	28.4	28.3	28.2	28.1
100°	33.8	33.9	34.1	34.4	34.6	34.8	34.6	34.4	34.1	33.9	33.8
102.5°	36.4	36.6	36.9	37.3	37.6	38.0	37.6	37.3	36.9	36.6	36.4
105°	37.4	37.6	38.1	38.6	39.0	39.5	39.0	38.6	38.1	37.6	37.4
107.5°	38.5	38.7	39.2	39.7	40.1	40.6	40.1	39.7	39.2	38.7	38.5
110°	39.0	39.2	39.7	40.2	40.6	41.1	40.6	40.2	39.7	39.2	39.0

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	40.0	40.2	40.5	40.9	41.2	41.6	41.2	40.9	40.5	40.2	40.0
115°	80.1	75.9	67.6	59.3	50.9	42.6	50.9	59.3	67.6	75.9	80.1
117.5°	274.6	259.5	229.2	198.9	168.6	138.3	168.6	198.9	229.2	259.5	274.6
120°	387.4	379.6	364.0	348.4	332.8	317.2	332.8	348.4	364.0	379.6	387.4
122.5°	414.9	415.0	415.1	415.2	415.4	415.5	415.4	415.2	415.1	415.0	414.9
125°	443.0	443.2	443.5	443.9	444.2	444.6	444.2	443.9	443.5	443.2	443.0
127.5°	470.1	470.2	470.3	470.4	470.5	470.6	470.5	470.4	470.3	470.2	470.1
130°	495.0	494.9	494.8	494.7	494.6	494.5	494.6	494.7	494.8	494.9	495.0
132.5°	518.4	518.3	518.2	518.1	518.0	517.9	518.0	518.1	518.2	518.3	518.4
135°	541.3	541.2	541.0	540.7	540.5	540.3	540.5	540.7	541.0	541.2	541.3
137.5°	562.6	562.4	562.1	561.8	561.4	561.1	561.4	561.8	562.1	562.4	562.6
140°	582.9	582.6	582.0	581.5	580.9	580.3	580.9	581.5	582.0	582.6	582.9
142.5°	601.6	601.3	600.7	600.2	599.6	599.0	599.6	600.2	600.7	601.3	601.6
145°	618.8	618.5	617.9	617.4	616.8	616.2	616.8	617.4	617.9	618.5	618.8
147.5°	633.9	633.7	633.2	632.7	632.3	631.8	632.3	632.7	633.2	633.7	633.9
150°	648.4	648.1	647.5	647.0	646.4	645.8	646.4	647.0	647.5	648.1	648.4
152.5°	661.4	661.0	660.2	659.4	658.6	657.8	658.6	659.4	660.2	661.0	661.4
155°	672.9	672.4	671.5	670.6	669.6	668.7	669.6	670.6	671.5	672.4	672.9
157.5°	683.3	682.8	681.9	681.0	680.0	679.1	680.0	681.0	681.9	682.8	683.3
160°	691.6	691.2	690.4	689.5	688.7	687.9	688.7	689.5	690.4	691.2	691.6
162.5°	699.9	699.4	698.3	697.3	696.2	695.2	696.2	697.3	698.3	699.4	699.9
165°	706.1	705.7	704.9	704.1	703.3	702.5	703.3	704.1	704.9	705.7	706.1
167.5°	711.9	711.4	710.3	709.3	708.2	707.2	708.2	709.3	710.3	711.4	711.9
170°	716.0	715.5	714.4	713.4	712.3	711.3	712.3	713.4	714.4	715.5	716.0
172.5°	719.1	718.6	717.6	716.5	715.5	714.5	715.5	716.5	717.6	718.6	719.1
175°	721.2	720.6	719.5	718.3	717.2	716.0	717.2	718.3	719.5	720.6	721.2
177.5°	721.7	721.2	720.2	719.1	718.1	717.1	718.1	719.1	720.2	721.2	721.7
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8	2197.8
2.5°	2093.9	2101.5	2098.5	2081.7	2098.5	2103.1	2112.2	2121.4	2127.5	2136.7	2144.3
5°	1962.6	1977.8	1987.0	1977.8	2008.4	2013.0	2034.3	2046.6	2064.9	2080.2	2092.4
7.5°	1838.8	1851.1	1869.4	1872.4	1890.8	1912.2	1942.7	1973.2	2002.3	2017.5	2031.3
10°	1706.0	1727.4	1754.8	1748.7	1776.2	1809.8	1841.9	1890.8	1915.2	1942.7	1967.1
12.5°	1573.1	1586.8	1623.5	1635.7	1675.4	1701.4	1745.7	1776.2	1837.3	1869.4	1890.8
15°	1341.0	1397.5	1443.3	1498.3	1550.2	1599.1	1638.8	1693.8	1747.2	1771.6	1806.8
17.5°	1235.6	1261.5	1289.0	1316.5	1383.7	1470.8	1541.0	1600.6	1646.4	1678.5	1719.7
20°	1125.6	1151.6	1182.1	1208.1	1249.3	1311.9	1399.0	1501.3	1556.3	1589.9	1629.6
22.5°	1047.7	1072.2	1092.0	1114.9	1147.0	1192.8	1258.5	1385.2	1458.6	1499.8	1534.9
25°	963.7	994.3	1015.6	1032.4	1058.4	1108.8	1162.3	1234.0	1365.4	1397.5	1446.3
27.5°	905.7	914.8	939.3	965.2	991.2	1018.7	1073.7	1134.8	1223.4	1293.6	1353.2
30°	837.0	859.9	882.8	893.5	916.4	956.1	989.7	1055.4	1124.1	1179.1	1250.8
32.5°	785.0	798.8	814.0	840.0	861.4	888.9	922.5	977.5	1035.5	1070.6	1125.6
35°	727.0	736.1	768.2	778.9	800.3	827.8	861.4	904.2	966.8	994.3	1034.0
37.5°	672.0	693.4	702.5	727.0	746.8	774.3	798.8	847.6	888.9	921.0	957.6
40°	629.2	638.4	655.2	676.6	693.4	714.8	745.3	780.4	824.7	850.7	882.8
42.5°	577.3	584.9	606.3	618.5	646.0	665.9	684.2	727.0	766.7	786.6	818.6
45°	520.8	539.1	552.9	577.3	592.6	617.0	639.9	670.5	707.1	730.0	748.4
47.5°	471.9	490.3	504.0	526.9	551.3	562.0	586.5	618.5	652.1	670.5	696.4
50°	432.2	438.3	464.3	475.0	500.9	522.3	539.1	566.6	603.3	614.0	635.3
52.5°	394.0	398.6	415.4	429.2	452.1	470.4	491.8	517.7	548.3	565.1	581.9
55°	360.4	363.5	371.1	386.4	401.7	424.6	444.4	468.9	494.8	513.2	528.4
57.5°	322.3	328.4	334.5	343.6	358.9	380.3	401.7	424.6	446.0	458.2	478.0
60°	278.0	287.1	297.8	308.5	319.2	334.5	358.9	380.3	400.1	410.8	426.1
62.5°	230.6	248.9	258.1	270.3	279.5	293.2	311.6	336.0	349.7	363.5	375.7
65°	207.7	209.2	210.8	223.0	239.8	253.5	270.3	288.7	310.0	319.2	328.4
67.5°	184.8	186.3	189.4	190.9	197.0	212.3	230.6	250.5	267.3	273.4	282.5
70°	161.9	161.9	168.0	169.5	171.1	172.6	187.9	207.7	223.0	230.6	241.3
72.5°	137.5	139.0	142.0	143.6	146.6	149.7	154.3	164.9	183.3	190.9	203.1
75°	113.0	114.5	116.1	117.6	122.2	123.7	128.3	134.4	142.0	151.2	158.8
77.5°	90.1	90.1	91.6	94.7	97.7	99.3	103.9	106.9	110.0	114.5	120.7
80°	67.2	68.7	68.7	71.8	71.8	73.3	74.8	79.4	82.5	85.5	88.6
82.5°	45.8	48.9	48.9	48.9	50.4	51.9	53.5	53.5	56.5	58.0	62.6
85°	27.5	29.0	29.0	29.0	27.5	30.5	30.5	32.1	32.1	32.1	33.6
87.5°	10.7	9.2	10.7	10.7	10.7	12.2	10.7	10.7	12.2	13.7	13.7
90°	12.7	12.1	11.6	11.0	10.4	9.5	8.5	7.6	6.7	6.2	5.6
92.5°	13.4	13.2	12.9	12.7	12.5	12.1	11.8	11.4	11.1	10.9	11.1
95°	22.6	22.0	21.5	20.9	20.3	19.5	18.7	17.8	17.0	16.6	18.5
97.5°	27.9	27.6	27.2	26.9	26.5	24.7	22.8	21.0	19.1	18.2	22.9
100°	33.3	32.4	31.5	30.5	29.6	27.6	25.7	23.7	21.8	20.8	28.7
102.5°	35.8	34.5	33.2	32.0	30.7	51.7	72.7	93.8	114.8	125.3	125.4
105°	36.8	35.5	34.2	33.0	31.7	63.3	94.8	126.4	157.9	173.7	172.0
107.5°	37.9	36.6	35.3	34.1	32.8	71.7	110.7	149.6	188.5	208.0	206.6
110°	44.8	56.3	67.9	79.4	91.0	124.4	157.8	191.2	224.6	241.3	240.1

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	64.9	114.7	164.6	214.4	264.2	266.2	268.1	270.1	272.0	273.0	272.0
115°	106.8	160.3	213.8	267.3	320.8	317.9	315.0	312.1	309.2	307.8	306.8
117.5°	282.9	299.4	315.9	332.4	348.9	346.9	345.0	343.0	341.1	340.1	338.9
120°	386.7	385.3	383.9	382.5	381.1	379.0	377.0	374.9	372.8	371.8	370.9
122.5°	414.6	413.9	413.2	412.5	411.8	409.5	407.2	404.9	402.6	401.4	400.5
125°	442.6	441.8	441.0	440.2	439.4	437.2	435.0	432.8	430.6	429.5	428.7
127.5°	469.5	468.4	467.2	466.1	464.9	463.2	461.4	459.7	458.0	457.1	456.3
130°	494.4	493.1	491.8	490.6	489.3	488.0	486.8	485.5	484.2	483.6	482.7
132.5°	517.9	516.8	515.8	514.7	513.7	512.4	511.2	509.9	508.6	508.0	507.3
135°	540.7	539.6	538.4	537.3	536.1	535.1	534.0	533.0	531.9	531.4	530.5
137.5°	562.0	560.9	559.7	558.6	557.4	556.2	555.1	553.9	552.8	552.2	551.5
140°	582.4	581.3	580.3	579.2	578.2	576.9	575.7	574.4	573.1	572.5	572.0
142.5°	601.1	600.2	599.3	598.4	597.5	596.0	594.5	593.0	591.5	590.7	590.3
145°	618.4	617.6	616.7	615.9	615.1	613.1	611.2	609.2	607.3	606.3	606.4
147.5°	633.6	633.0	632.5	631.9	631.3	629.3	627.3	625.4	623.4	622.4	622.6
150°	648.1	647.4	646.7	646.0	645.3	643.5	641.6	639.8	637.9	637.0	637.4
152.5°	661.1	660.4	659.7	659.0	658.3	656.6	654.8	653.1	651.4	650.5	651.0
155°	672.5	671.8	671.1	670.4	669.7	668.3	666.9	665.6	664.2	663.5	664.0
157.5°	682.9	682.1	681.2	680.4	679.6	678.6	677.5	676.5	675.4	674.9	675.4
160°	691.3	690.6	689.9	689.2	688.5	687.8	687.1	686.4	685.7	685.3	685.7
162.5°	699.5	698.7	697.9	697.1	696.3	695.7	695.1	694.6	694.0	693.7	694.0
165°	705.7	704.9	704.1	703.3	702.5	702.1	701.8	701.4	701.1	700.9	701.3
167.5°	711.5	710.7	709.8	709.0	708.2	707.9	707.5	707.2	706.9	706.7	707.0
170°	715.6	714.8	714.0	713.2	712.4	712.2	711.9	711.7	711.4	711.3	711.7
172.5°	718.7	717.9	717.1	716.3	715.5	715.3	715.1	714.8	714.6	714.5	714.8
175°	720.8	720.0	719.2	718.4	717.6	717.4	717.1	716.9	716.6	716.5	716.9
177.5°	721.3	720.5	719.7	718.9	718.1	718.0	717.9	717.8	717.7	717.6	718.0
180°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2197.8	2197.8	2197.8	2197.8
2.5°	2158.0	2153.5	2181.0	2211.5
5°	2113.8	2121.4	2156.5	2199.3
7.5°	2067.9	2084.7	2126.0	2182.5
10°	2003.8	2034.3	2097.0	2155.0
12.5°	1941.2	1982.4	2042.0	2110.7
15°	1870.9	1916.7	1990.0	2072.5
17.5°	1793.0	1845.0	1930.5	2020.6
20°	1710.6	1779.3	1869.4	1967.1
22.5°	1618.9	1701.4	1794.6	1903.0
25°	1530.3	1620.4	1713.6	1838.8
27.5°	1443.3	1531.9	1635.7	1762.5
30°	1356.2	1437.2	1548.7	1684.6
32.5°	1263.1	1347.1	1464.7	1603.6
35°	1177.5	1261.5	1371.5	1509.0
37.5°	1085.9	1176.0	1281.4	1423.4
40°	979.0	1084.4	1186.7	1322.6
42.5°	890.4	1001.9	1101.2	1229.5
45°	820.2	925.5	1008.0	1133.2
47.5°	754.5	840.0	924.0	1040.1
50°	691.9	757.5	844.6	948.4
52.5°	627.7	684.2	759.1	856.8
55°	569.7	623.1	690.3	765.2
57.5°	516.2	554.4	621.6	688.8
60°	456.7	496.4	548.3	604.8
62.5°	406.3	436.8	485.7	533.0
65°	352.8	381.8	418.5	462.8
67.5°	303.9	329.9	358.9	394.0
70°	259.6	279.5	300.9	331.4
72.5°	212.3	233.7	253.5	278.0
75°	174.1	183.3	200.1	216.9
77.5°	134.4	146.6	155.8	169.5
80°	96.2	106.9	110.0	120.7
82.5°	64.1	70.3	76.4	79.4
85°	36.7	39.7	45.8	47.3
87.5°	13.7	15.3	18.3	21.4
90°	4.3	3.0	1.8	0.5
92.5°	11.6	12.1	12.5	13.0
95°	22.3	26.2	30.0	33.8
97.5°	32.4	41.9	51.3	60.8
100°	44.5	60.4	76.2	92.0
102.5°	125.7	125.9	126.2	126.4
105°	168.5	165.0	161.6	158.1
107.5°	203.7	200.8	197.9	195.0
110°	237.7	235.2	232.8	230.4

TEST NUMBER: P999356

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	269.9	267.8	265.7	263.6
115°	304.9	302.9	301.0	299.0
117.5°	336.6	334.3	332.0	329.7
120°	369.2	367.5	365.7	364.0
122.5°	398.6	396.8	394.9	393.1
125°	427.2	425.7	424.2	422.7
127.5°	454.7	453.0	451.4	449.8
130°	480.8	479.0	477.1	475.3
132.5°	505.8	504.3	502.8	501.3
135°	528.6	526.8	524.9	523.1
137.5°	550.1	548.8	547.4	546.0
140°	571.1	570.2	569.2	568.3
142.5°	589.5	588.7	587.9	587.1
145°	606.5	606.6	606.7	606.8
147.5°	622.9	623.3	623.6	624.0
150°	638.2	639.0	639.8	640.6
152.5°	651.9	652.8	653.8	654.7
155°	665.1	666.1	667.2	668.2
157.5°	676.3	677.2	678.2	679.1
160°	686.4	687.1	687.8	688.5
162.5°	694.7	695.4	696.1	696.8
165°	702.0	702.7	703.4	704.1
167.5°	707.7	708.4	709.1	709.8
170°	712.4	713.1	713.8	714.5
172.5°	715.5	716.2	716.9	717.6
175°	717.7	718.6	719.4	720.2
177.5°	718.8	719.6	720.4	721.2
180°	718.6	718.6	718.6	718.6

(END OF REPORT)