

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: P999355

Luminaire Tested: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999355
REPORT IS A COMBINATION OF REPORTS P987906 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_3500K
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

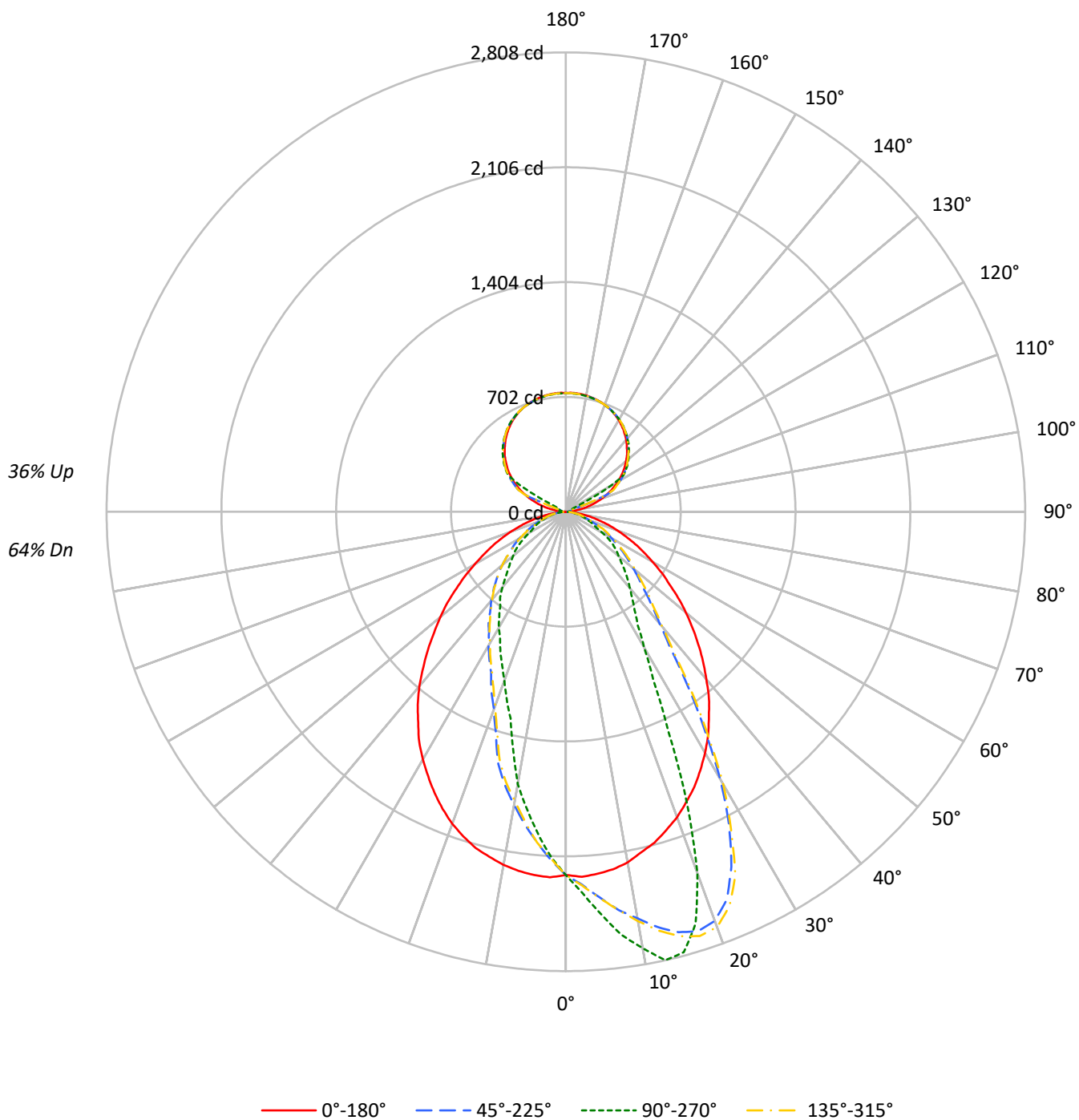
Lumens per Lamp: N/A
Luminaire Lumens: 5965.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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



TEST NUMBER: P999355

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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°	35136	35136	35136	35136
5°	35219	37321	35341	29815
10°	34832	39447	35078	24620
15°	34076	39460	34652	18497
20°	33166	32618	33887	15259
25°	32063	20381	32758	12981
30°	30656	13049	31490	11176
35°	28945	10028	29881	9564
40°	27037	8430	28191	8366
45°	24998	7174	26042	7022
50°	22907	6096	23978	6075
55°	20592	5297	21703	5228
60°	18538	4040	19518	3991
65°	16616	3041	17604	3448
70°	14495	2429	15634	2811
75°	12251	1860	13375	2126
80°	9732	1266	10467	1394
85°	6752	654	7402	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 32142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	3.5
10°-20°	587.7	9.9
20°-30°	756.4	12.7
30°-40°	717.5	12.0
40°-50°	615.0	10.3
50°-60°	468.3	7.9
60°-70°	295.3	5.0
70°-80°	147.3	2.5
80°-90°	39.2	0.7
90°-100°	23.9	0.4
100°-110°	89.2	1.5
110°-120°	236.6	4.0
120°-130°	392.4	6.6
130°-140°	416.8	7.0
140°-150°	387.4	6.5
150°-160°	311.5	5.2
160°-170°	200.7	3.4
170°-180°	69.1	1.2
0°-30°	1554.6	26.1
0°-40°	2272.1	38.1
0°-60°	3355.4	56.3
0°-90°	3837.3	64.3
90°-120°	349.8	5.9
90°-150°	1546.5	25.9
90°-180°	2128.0	35.7
0°-180°	5965.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2220	2220	2220	2220	2220	
5°	2221	2470	2229	1973	2221	211
15°	2093	2787	2129	1307	2093	589
25°	1857	1487	1897	947	1857	853
35°	1524	733	1573	699	1524	954
45°	1145	509	1192	498	1145	883
55°	773	353	814	349	773	696
65°	467	184	495	208	467	464
75°	219	97	239	111	219	237
85°	48	28	52	29	48	54
90°	0	14	0	14	0	5
95°	34	23	34	23	34	40
105°	160	40	160	40	160	171
115°	302	43	302	43	302	297
125°	427	449	427	449	427	381
135°	528	546	528	546	528	408
145°	613	622	613	622	613	383
155°	675	675	675	675	675	311
165°	711	710	711	710	711	201
175°	727	723	727	723	727	69
180°	726	726	726	726	726	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2233.6	2242.9	2247.5	2253.7	2267.6	2276.8	2290.7	2293.8	2292.2	2298.4	2281.5
5°	2221.3	2241.3	2259.9	2275.3	2300.0	2315.4	2332.4	2352.4	2357.0	2380.2	2366.3
7.5°	2204.3	2233.6	2259.9	2290.7	2327.7	2347.8	2374.0	2404.9	2418.7	2446.5	2454.2
10°	2176.6	2218.2	2262.9	2295.3	2346.2	2381.7	2406.4	2455.8	2488.2	2529.8	2523.6
12.5°	2131.8	2185.8	2246.0	2300.0	2366.3	2389.4	2435.7	2486.6	2528.3	2566.8	2600.8
15°	2093.3	2155.0	2221.3	2287.6	2363.2	2406.4	2452.7	2519.0	2563.7	2631.6	2660.9
17.5°	2040.8	2119.5	2198.2	2272.2	2361.7	2411.0	2468.1	2532.9	2599.2	2664.0	2687.1
20°	1986.8	2071.7	2156.5	2256.8	2358.6	2406.4	2465.0	2545.2	2610.0	2660.9	2660.9
22.5°	1922.0	2025.4	2122.6	2218.2	2329.3	2398.7	2458.8	2552.9	2599.2	2610.0	2568.4
25°	1857.2	1960.6	2067.0	2185.8	2312.3	2374.0	2441.9	2529.8	2545.2	2502.0	2394.1
27.5°	1780.1	1895.8	2016.1	2144.2	2276.8	2354.0	2415.7	2474.3	2445.0	2329.3	2161.1
30°	1701.4	1826.4	1962.1	2084.0	2244.4	2315.4	2367.8	2384.8	2292.2	2104.1	1886.6
32.5°	1619.7	1741.6	1885.0	2031.6	2193.5	2261.4	2295.3	2250.6	2080.9	1843.4	1578.0
35°	1524.1	1661.3	1811.0	1963.7	2124.1	2175.0	2195.1	2085.5	1868.0	1561.1	1297.3
37.5°	1437.7	1575.0	1735.4	1891.2	2047.0	2074.7	2054.7	1883.5	1607.4	1303.5	1045.9
40°	1335.9	1482.4	1639.7	1814.1	1942.1	1949.8	1900.4	1678.3	1335.9	1050.5	891.6
42.5°	1241.8	1389.8	1547.2	1724.6	1821.8	1795.5	1729.2	1437.7	1115.3	905.5	777.5
45°	1144.6	1285.0	1454.6	1612.0	1681.4	1619.7	1519.4	1209.4	936.3	779.0	680.3
47.5°	1050.5	1181.6	1349.7	1500.9	1513.3	1443.8	1325.1	1013.5	811.4	684.9	604.7
50°	957.9	1089.0	1246.4	1371.3	1359.0	1263.4	1129.2	880.8	705.0	604.7	538.4
52.5°	865.4	984.2	1136.9	1235.6	1183.1	1090.6	957.9	746.6	615.5	527.6	476.7
55°	772.8	883.9	1015.0	1096.8	1013.5	907.0	812.9	640.2	533.7	462.8	424.2
57.5°	695.7	783.6	903.9	953.3	853.0	769.7	688.0	550.7	462.8	411.9	367.1
60°	610.9	691.1	789.8	819.1	715.7	647.9	578.5	465.9	396.4	351.7	322.4
62.5°	538.4	604.7	680.3	680.3	589.3	538.4	485.9	390.3	333.2	297.7	283.8
65°	467.4	515.2	569.2	563.0	485.9	441.2	399.5	322.4	279.2	254.5	240.6
67.5°	398.0	435.0	470.5	448.9	393.4	354.8	316.2	260.7	231.4	214.4	195.9
70°	334.7	364.0	382.6	362.5	307.0	274.6	246.8	209.8	186.7	165.1	154.3
72.5°	280.7	293.1	299.3	274.6	228.3	209.8	189.7	163.5	143.5	132.7	129.6
75°	219.0	229.8	225.2	206.7	168.1	154.3	138.8	120.3	115.7	109.5	106.4
77.5°	171.2	171.2	163.5	146.5	120.3	109.5	103.4	94.1	89.5	87.9	84.8
80°	121.9	120.3	115.7	97.2	81.8	75.6	75.6	69.4	67.9	64.8	64.8
82.5°	80.2	80.2	74.0	58.6	54.0	52.4	50.9	47.8	47.8	46.3	46.3
85°	47.8	44.7	37.0	32.4	30.9	30.9	29.3	27.8	29.3	27.8	27.8
87.5°	21.6	17.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
90°	0.5	1.8	3.1	4.4	5.7	6.3	6.8	7.7	8.6	9.6	10.5
92.5°	13.1	12.6	12.2	11.7	11.2	11.0	11.2	11.5	11.9	12.2	12.6
95°	34.1	30.3	26.4	22.6	18.7	16.8	17.2	18.0	18.9	19.7	20.5
97.5°	61.4	51.8	42.3	32.7	23.2	18.4	19.3	21.2	23.1	24.9	26.8
100°	93.0	77.0	61.0	45.0	29.0	21.0	22.0	24.0	25.9	27.9	29.9
102.5°	127.6	127.4	127.2	126.9	126.7	126.6	116.0	94.7	73.5	52.2	31.0
105°	159.6	163.1	166.6	170.1	173.6	175.4	159.5	127.6	95.7	63.9	32.0
107.5°	196.9	199.8	202.8	205.7	208.6	210.1	190.4	151.1	111.8	72.4	33.1
110°	232.6	235.1	237.5	240.0	242.5	243.7	226.8	193.1	159.4	125.6	91.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	266.3	268.4	270.5	272.6	274.7	275.7	274.7	272.7	270.8	268.8	266.8
115°	302.0	304.0	306.0	307.9	309.9	310.9	312.4	315.3	318.2	321.1	324.0
117.5°	333.0	335.3	337.7	340.0	342.3	343.5	344.5	346.5	348.4	350.4	352.4
120°	367.6	369.4	371.1	372.9	374.6	375.5	376.5	378.6	380.7	382.8	384.9
122.5°	397.0	398.9	400.7	402.6	404.5	405.4	406.6	408.9	411.2	413.6	415.9
125°	427.0	428.5	430.0	431.5	433.0	433.8	434.9	437.1	439.4	441.6	443.8
127.5°	454.3	455.9	457.5	459.2	460.8	461.6	462.5	464.2	466.0	467.7	469.5
130°	480.0	481.9	483.7	485.6	487.5	488.4	489.0	490.3	491.6	492.9	494.2
132.5°	506.3	507.8	509.3	510.8	512.3	513.1	513.7	515.0	516.3	517.6	518.9
135°	528.3	530.2	532.0	533.9	535.8	536.7	537.2	538.3	539.3	540.4	541.4
137.5°	551.4	552.8	554.2	555.6	557.0	557.7	558.3	559.5	560.6	561.8	563.0
140°	574.0	574.9	575.9	576.8	577.7	578.2	578.8	580.1	581.4	582.7	584.0
142.5°	592.9	593.7	594.5	595.4	596.2	596.6	597.4	598.9	600.4	601.9	603.4
145°	612.9	612.8	612.6	612.5	612.4	612.3	613.3	615.3	617.3	619.3	621.3
147.5°	630.2	629.8	629.5	629.1	628.8	628.6	629.6	631.6	633.5	635.5	637.5
150°	647.0	646.2	645.4	644.5	643.7	643.3	644.2	646.1	648.0	649.8	651.7
152.5°	661.2	660.3	659.3	658.4	657.5	657.0	657.9	659.6	661.4	663.1	664.9
155°	674.8	673.8	672.7	671.7	670.6	670.1	670.8	672.2	673.6	675.0	676.4
157.5°	685.9	685.0	684.0	683.1	682.2	681.7	682.2	683.3	684.3	685.4	686.4
160°	695.3	694.6	693.9	693.2	692.5	692.2	692.5	693.2	693.9	694.6	695.3
162.5°	703.7	703.0	702.3	701.6	700.9	700.6	700.9	701.5	702.0	702.6	703.2
165°	711.1	710.4	709.7	709.0	708.3	707.9	708.1	708.4	708.8	709.1	709.5
167.5°	716.8	716.1	715.4	714.7	714.0	713.7	713.9	714.2	714.6	714.9	715.3
170°	721.6	720.9	720.2	719.5	718.8	718.4	718.5	718.8	719.0	719.3	719.5
172.5°	724.7	724.0	723.3	722.6	721.9	721.6	721.7	721.9	722.2	722.4	722.6
175°	727.4	726.6	725.8	724.9	724.1	723.7	723.8	724.0	724.3	724.5	724.7
177.5°	728.4	727.6	726.8	725.9	725.1	724.7	724.8	724.9	725.0	725.2	725.3
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2298.4	2301.5	2306.1	2327.7	2330.8	2337.0	2333.9	2333.9	2335.4	2332.4	2333.9
5°	2397.1	2401.8	2424.9	2451.1	2457.3	2451.1	2458.8	2469.6	2469.6	2469.6	2466.6
7.5°	2489.7	2506.7	2532.9	2571.5	2579.2	2586.9	2600.8	2591.5	2594.6	2608.5	2603.8
10°	2579.2	2603.8	2633.2	2665.5	2682.5	2693.3	2699.5	2713.4	2745.8	2708.7	2722.6
12.5°	2664.0	2699.5	2730.3	2765.8	2778.2	2792.0	2796.7	2809.0	2809.0	2807.5	2818.3
15°	2719.5	2751.9	2779.7	2802.8	2805.9	2802.8	2799.8	2801.3	2805.9	2787.4	2798.2
17.5°	2731.9	2735.0	2744.2	2735.0	2736.5	2704.1	2685.6	2681.0	2637.8	2639.3	2674.8
20°	2671.7	2619.3	2605.4	2554.5	2523.6	2440.3	2437.2	2414.1	2323.1	2350.9	2344.7
22.5°	2506.7	2417.2	2298.4	2239.8	2210.5	2122.6	2054.7	2006.9	1974.5	1942.1	1928.2
25°	2289.2	2144.2	1976.0	1860.3	1843.4	1761.6	1636.7	1578.0	1508.6	1487.0	1524.1
27.5°	2008.4	1820.2	1630.5	1453.1	1420.7	1346.7	1283.4	1241.8	1161.5	1156.9	1160.0
30°	1627.4	1437.7	1278.8	1163.1	1082.9	1048.9	1007.3	976.4	944.0	956.4	959.5
32.5°	1337.4	1156.9	1008.8	947.1	910.1	888.5	853.0	833.0	819.1	814.5	812.9
35°	1062.8	942.5	876.2	816.0	794.4	779.0	752.8	743.5	731.2	732.7	732.7
37.5°	910.1	809.8	760.5	729.6	709.6	701.9	684.9	675.6	667.9	664.8	669.5
40°	785.2	715.7	684.9	657.1	640.2	637.1	627.8	617.0	607.8	609.3	613.9
42.5°	694.2	654.0	617.0	595.4	583.1	578.5	570.7	563.0	563.0	558.4	556.9
45°	621.7	589.3	558.4	538.4	530.6	524.5	515.2	513.7	507.5	509.0	510.6
47.5°	556.9	530.6	507.5	487.4	479.7	478.2	468.9	462.8	462.8	461.2	459.7
50°	498.2	472.0	452.0	441.2	430.4	427.3	425.7	424.2	421.1	421.1	422.7
52.5°	450.4	424.2	408.8	399.5	393.4	390.3	390.3	388.7	388.7	388.7	387.2
55°	398.0	376.4	364.0	361.0	357.9	356.3	354.8	351.7	350.2	353.2	350.2
57.5°	348.6	340.9	330.1	327.0	319.3	319.3	314.7	311.6	308.5	311.6	311.6
60°	310.1	299.3	293.1	283.8	277.7	271.5	263.8	262.2	259.2	257.6	256.1
62.5°	269.9	260.7	245.3	231.4	222.1	216.0	212.9	211.3	211.3	209.8	209.8
65°	225.2	203.6	195.9	191.3	189.7	188.2	185.1	183.6	185.1	183.6	185.1
67.5°	175.9	172.8	168.1	165.1	163.5	162.0	162.0	160.4	160.4	160.4	160.4
70°	152.7	145.0	143.5	140.4	140.4	138.8	138.8	138.8	138.8	137.3	140.4
72.5°	126.5	121.9	120.3	118.8	118.8	118.8	117.2	117.2	117.2	115.7	117.2
75°	103.4	101.8	98.7	98.7	97.2	98.7	97.2	97.2	95.6	97.2	97.2
77.5°	83.3	81.8	80.2	80.2	78.7	78.7	78.7	78.7	78.7	78.7	80.2
80°	63.2	61.7	60.2	61.7	60.2	61.7	60.2	60.2	61.7	60.2	60.2
82.5°	46.3	44.7	44.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
85°	27.8	26.2	26.2	27.8	26.2	27.8	26.2	26.2	26.2	27.8	27.8
87.5°	12.3	13.9	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	13.9
90°	11.1	11.7	12.2	12.8	13.1	13.2	13.5	13.7	14.0	14.2	14.0
92.5°	12.8	13.1	13.3	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.1
95°	21.1	21.7	22.2	22.8	23.1	23.0	22.9	22.8	22.7	22.6	22.7
97.5°	27.2	27.5	27.9	28.2	28.4	28.5	28.6	28.7	28.8	28.9	28.8
100°	30.8	31.8	32.7	33.6	34.1	34.2	34.5	34.7	35.0	35.2	35.0
102.5°	32.3	33.6	34.9	36.2	36.8	37.0	37.3	37.6	38.0	38.3	38.0
105°	33.3	34.6	35.9	37.2	37.8	38.0	38.5	39.0	39.4	39.9	39.4
107.5°	34.4	35.7	37.0	38.3	38.9	39.1	39.6	40.1	40.5	41.0	40.5
110°	80.2	68.6	56.9	45.2	39.4	39.6	40.1	40.6	41.0	41.5	41.0

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	216.5	166.2	115.9	65.6	40.4	40.6	40.9	41.3	41.6	42.0	41.6
115°	270.0	216.0	161.9	107.9	80.9	76.7	68.3	59.9	51.5	43.1	51.5
117.5°	335.7	319.0	302.3	285.6	277.3	262.0	231.4	200.9	170.3	139.7	170.3
120°	386.3	387.7	389.1	390.5	391.2	383.3	367.6	351.9	336.1	320.4	336.1
122.5°	416.6	417.3	418.0	418.7	419.1	419.2	419.3	419.4	419.5	419.6	419.5
125°	444.6	445.4	446.2	447.0	447.4	447.6	447.9	448.3	448.6	449.0	448.6
127.5°	470.7	471.8	473.0	474.1	474.7	474.8	474.9	475.0	475.2	475.3	475.2
130°	495.5	496.8	498.1	499.4	500.0	499.9	499.8	499.7	499.5	499.4	499.5
132.5°	519.9	521.0	522.0	523.1	523.6	523.5	523.4	523.3	523.2	523.1	523.2
135°	542.6	543.8	544.9	546.1	546.7	546.6	546.3	546.1	545.8	545.6	545.8
137.5°	564.2	565.3	566.5	567.6	568.2	568.0	567.7	567.4	567.0	566.7	567.0
140°	585.0	586.1	587.1	588.2	588.7	588.4	587.8	587.3	586.7	586.1	586.7
142.5°	604.3	605.3	606.2	607.1	607.6	607.3	606.7	606.2	605.6	605.0	605.6
145°	622.1	622.9	623.7	624.5	624.9	624.6	624.0	623.5	622.9	622.3	622.9
147.5°	638.1	638.7	639.3	639.9	640.2	640.0	639.5	639.0	638.6	638.1	638.6
150°	652.4	653.1	653.8	654.5	654.9	654.6	654.0	653.5	652.9	652.3	652.9
152.5°	665.6	666.3	667.0	667.7	668.0	667.6	666.8	665.9	665.1	664.3	665.1
155°	677.1	677.8	678.5	679.2	679.6	679.1	678.2	677.3	676.3	675.4	676.3
157.5°	687.2	688.0	688.9	689.7	690.1	689.6	688.7	687.8	686.8	685.9	686.8
160°	696.0	696.7	697.4	698.1	698.5	698.1	697.3	696.4	695.6	694.8	695.6
162.5°	704.0	704.8	705.7	706.5	706.9	706.4	705.3	704.2	703.2	702.1	703.2
165°	710.3	711.1	712.0	712.8	713.2	712.8	712.0	711.1	710.3	709.5	710.3
167.5°	716.1	716.9	717.7	718.5	718.9	718.4	717.3	716.3	715.2	714.2	715.2
170°	720.3	721.1	722.0	722.8	723.2	722.7	721.6	720.5	719.5	718.4	719.5
172.5°	723.4	724.2	725.1	725.9	726.3	725.8	724.7	723.7	722.6	721.6	722.6
175°	725.5	726.3	727.2	728.0	728.4	727.8	726.7	725.5	724.4	723.2	724.4
177.5°	726.1	726.9	727.7	728.5	728.9	728.4	727.3	726.3	725.2	724.2	725.2
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2340.1	2329.3	2326.2	2329.3	2326.2	2327.7	2316.9	2276.8	2287.6	2270.7	2279.9
5°	2472.7	2463.5	2443.4	2440.3	2437.2	2434.2	2418.7	2383.3	2369.4	2346.2	2344.7
7.5°	2599.2	2599.2	2583.8	2573.0	2559.1	2548.3	2528.3	2475.8	2454.2	2426.5	2411.0
10°	2724.2	2684.1	2701.0	2690.2	2656.3	2650.1	2613.1	2582.3	2540.6	2512.8	2488.2
12.5°	2813.6	2801.3	2785.9	2776.6	2767.4	2747.3	2722.6	2644.0	2622.4	2566.8	2539.1
15°	2810.5	2802.8	2807.5	2807.5	2804.4	2799.8	2779.7	2722.6	2685.6	2631.6	2583.8
17.5°	2659.4	2679.4	2699.5	2713.4	2744.2	2758.1	2776.6	2742.7	2719.5	2673.3	2622.4
20°	2395.6	2445.0	2503.6	2515.9	2543.7	2625.4	2662.5	2691.8	2701.0	2685.6	2644.0
22.5°	2028.5	2070.1	2212.0	2209.0	2249.1	2346.2	2454.2	2542.1	2611.6	2650.1	2634.7
25°	1588.8	1647.5	1723.0	1780.1	1911.2	2056.2	2190.4	2330.8	2451.1	2557.6	2583.8
27.5°	1201.7	1278.8	1338.9	1414.5	1480.9	1652.1	1824.9	2043.9	2184.3	2386.3	2491.2
30°	971.8	1007.3	1067.5	1102.9	1135.3	1266.4	1462.3	1678.3	1925.1	2158.0	2338.5
32.5°	829.9	854.6	899.3	914.7	948.7	1036.6	1160.0	1357.5	1612.0	1894.3	2131.8
35°	745.1	771.3	780.5	794.4	822.2	877.7	962.6	1106.0	1335.9	1612.0	1895.8
37.5°	672.6	686.4	712.7	721.9	731.2	772.8	829.9	930.2	1082.9	1309.6	1624.3
40°	621.7	629.4	643.2	651.0	657.1	686.4	737.3	805.2	917.8	1090.6	1380.6
42.5°	567.7	576.9	586.2	595.4	603.1	626.3	657.1	721.9	797.5	928.6	1138.4
45°	515.2	521.4	532.2	538.4	549.2	567.7	595.4	640.2	708.0	791.3	961.0
47.5°	467.4	475.1	479.7	487.4	495.2	515.2	541.4	570.7	626.3	708.0	831.4
50°	424.2	433.5	439.6	441.2	447.3	465.9	487.4	519.8	555.3	618.6	726.5
52.5°	393.4	394.9	399.5	405.7	404.2	414.9	435.0	459.7	496.7	547.6	626.3
55°	357.9	362.5	365.6	367.1	367.1	376.4	387.2	410.3	439.6	481.3	547.6
57.5°	313.1	317.8	327.0	330.1	334.7	339.4	344.0	359.4	384.1	424.2	478.2
60°	266.9	269.9	279.2	285.4	288.5	300.8	307.0	319.3	333.2	362.5	413.4
62.5°	214.4	217.5	222.1	228.3	234.5	253.0	268.4	280.7	291.5	311.6	353.2
65°	186.7	188.2	191.3	192.8	194.4	202.1	216.0	232.9	253.0	268.4	293.1
67.5°	162.0	163.5	165.1	168.1	169.7	171.2	177.4	182.0	202.1	223.7	242.2
70°	138.8	141.9	143.5	143.5	145.0	148.1	151.2	157.3	163.5	174.3	197.4
72.5°	117.2	118.8	121.9	121.9	121.9	124.9	128.0	131.1	134.2	140.4	149.6
75°	97.2	100.3	100.3	100.3	101.8	101.8	104.9	108.0	111.1	115.7	118.8
77.5°	80.2	80.2	80.2	80.2	81.8	81.8	83.3	86.4	87.9	89.5	92.6
80°	60.2	61.7	61.7	61.7	63.2	63.2	63.2	66.3	67.9	67.9	71.0
82.5°	44.7	44.7	44.7	46.3	44.7	46.3	46.3	47.8	46.3	47.8	49.4
85°	27.8	27.8	27.8	29.3	29.3	29.3	29.3	29.3	29.3	29.3	30.9
87.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	15.4	13.9	13.9
90°	13.7	13.5	13.2	13.1	12.8	12.2	11.7	11.1	10.5	9.6	8.6
92.5°	14.0	13.9	13.8	13.7	13.6	13.3	13.1	12.8	12.6	12.2	11.9
95°	22.8	22.9	23.0	23.1	22.8	22.2	21.7	21.1	20.5	19.7	18.9
97.5°	28.7	28.6	28.5	28.4	28.2	27.9	27.5	27.2	26.8	24.9	23.1
100°	34.7	34.5	34.2	34.1	33.6	32.7	31.8	30.8	29.9	27.9	25.9
102.5°	37.6	37.3	37.0	36.8	36.2	34.9	33.6	32.3	31.0	52.2	73.5
105°	39.0	38.5	38.0	37.8	37.2	35.9	34.6	33.3	32.0	63.9	95.7
107.5°	40.1	39.6	39.1	38.9	38.3	37.0	35.7	34.4	33.1	72.4	111.8
110°	40.6	40.1	39.6	39.4	45.2	56.9	68.6	80.2	91.9	125.6	159.4

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CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	41.3	40.9	40.6	40.4	65.6	115.9	166.2	216.5	266.8	268.8	270.8
115°	59.9	68.3	76.7	80.9	107.9	161.9	216.0	270.0	324.0	321.1	318.2
117.5°	200.9	231.4	262.0	277.3	285.6	302.3	319.0	335.7	352.4	350.4	348.4
120°	351.9	367.6	383.3	391.2	390.5	389.1	387.7	386.3	384.9	382.8	380.7
122.5°	419.4	419.3	419.2	419.1	418.7	418.0	417.3	416.6	415.9	413.6	411.2
125°	448.3	447.9	447.6	447.4	447.0	446.2	445.4	444.6	443.8	441.6	439.4
127.5°	475.0	474.9	474.8	474.7	474.1	473.0	471.8	470.7	469.5	467.7	466.0
130°	499.7	499.8	499.9	500.0	499.4	498.1	496.8	495.5	494.2	492.9	491.6
132.5°	523.3	523.4	523.5	523.6	523.1	522.0	521.0	519.9	518.9	517.6	516.3
135°	546.1	546.3	546.6	546.7	546.1	544.9	543.8	542.6	541.4	540.4	539.3
137.5°	567.4	567.7	568.0	568.2	567.6	566.5	565.3	564.2	563.0	561.8	560.6
140°	587.3	587.8	588.4	588.7	588.2	587.1	586.1	585.0	584.0	582.7	581.4
142.5°	606.2	606.7	607.3	607.6	607.1	606.2	605.3	604.3	603.4	601.9	600.4
145°	623.5	624.0	624.6	624.9	624.5	623.7	622.9	622.1	621.3	619.3	617.3
147.5°	639.0	639.5	640.0	640.2	639.9	639.3	638.7	638.1	637.5	635.5	633.5
150°	653.5	654.0	654.6	654.9	654.5	653.8	653.1	652.4	651.7	649.8	648.0
152.5°	665.9	666.8	667.6	668.0	667.7	667.0	666.3	665.6	664.9	663.1	661.4
155°	677.3	678.2	679.1	679.6	679.2	678.5	677.8	677.1	676.4	675.0	673.6
157.5°	687.8	688.7	689.6	690.1	689.7	688.9	688.0	687.2	686.4	685.4	684.3
160°	696.4	697.3	698.1	698.5	698.1	697.4	696.7	696.0	695.3	694.6	693.9
162.5°	704.2	705.3	706.4	706.9	706.5	705.7	704.8	704.0	703.2	702.6	702.0
165°	711.1	712.0	712.8	713.2	712.8	712.0	711.1	710.3	709.5	709.1	708.8
167.5°	716.3	717.3	718.4	718.9	718.5	717.7	716.9	716.1	715.3	714.9	714.6
170°	720.5	721.6	722.7	723.2	722.8	722.0	721.1	720.3	719.5	719.3	719.0
172.5°	723.7	724.7	725.8	726.3	725.9	725.1	724.2	723.4	722.6	722.4	722.2
175°	725.5	726.7	727.8	728.4	728.0	727.2	726.3	725.5	724.7	724.5	724.3
177.5°	726.3	727.3	728.4	728.9	728.5	727.7	726.9	726.1	725.3	725.2	725.0
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2266.0	2258.3	2258.3	2253.7	2253.7	2229.0	2229.0	2236.7	2227.5	2216.7	2201.2
5°	2324.6	2307.7	2303.0	2296.9	2276.8	2246.0	2233.6	2229.0	2210.5	2187.4	2161.1
7.5°	2380.2	2352.4	2338.5	2324.6	2298.4	2255.2	2230.5	2213.6	2185.8	2150.3	2116.4
10°	2434.2	2398.7	2363.2	2346.2	2309.2	2255.2	2219.7	2192.0	2151.9	2104.1	2056.2
12.5°	2483.5	2409.5	2403.3	2369.4	2315.4	2253.7	2199.7	2159.6	2108.7	2053.2	1997.6
15°	2526.7	2451.1	2414.1	2383.3	2312.3	2235.2	2178.1	2128.7	2060.9	1997.6	1929.7
17.5°	2548.3	2466.6	2441.9	2391.0	2318.5	2218.2	2141.1	2080.9	2006.9	1931.3	1854.2
20°	2569.9	2474.3	2434.2	2398.7	2300.0	2185.8	2099.4	2030.0	1948.3	1858.8	1773.9
22.5°	2580.7	2474.3	2426.5	2377.1	2281.5	2150.3	2048.5	1966.8	1871.1	1780.1	1678.3
25°	2562.2	2465.0	2407.9	2357.0	2249.1	2107.1	1989.9	1897.4	1795.5	1692.2	1588.8
27.5°	2515.9	2443.4	2377.1	2324.6	2204.3	2051.6	1928.2	1823.3	1718.4	1602.7	1497.8
30°	2429.5	2397.1	2344.7	2286.1	2155.0	2002.2	1855.7	1747.7	1632.0	1516.3	1406.8
32.5°	2295.3	2323.1	2289.2	2238.3	2096.3	1934.4	1778.6	1669.1	1542.6	1417.6	1317.3
35°	2131.8	2230.5	2212.0	2176.6	2034.6	1861.9	1706.1	1573.4	1446.9	1320.4	1220.2
37.5°	1952.9	2102.5	2117.9	2096.3	1963.7	1787.8	1616.6	1487.0	1357.5	1229.4	1127.6
40°	1707.6	1937.5	1986.8	1996.1	1889.6	1698.4	1519.4	1392.9	1264.9	1140.0	1016.5
42.5°	1482.4	1772.4	1834.1	1872.7	1795.5	1610.4	1430.0	1289.6	1163.1	1050.5	927.1
45°	1271.1	1573.4	1673.7	1723.0	1689.1	1510.2	1323.5	1192.4	1076.7	973.4	854.6
47.5°	1053.6	1357.5	1497.8	1576.5	1576.5	1408.4	1221.7	1092.1	981.1	893.1	788.2
50°	908.6	1161.5	1306.6	1409.9	1437.7	1305.0	1129.2	1002.7	897.8	802.1	721.9
52.5°	774.4	1001.1	1121.4	1229.4	1309.6	1193.9	1025.8	911.7	808.3	718.8	655.6
55°	669.5	839.2	948.7	1067.5	1156.9	1081.3	925.5	814.5	725.0	651.0	597.0
57.5°	569.2	717.3	806.8	911.7	1007.3	950.2	825.3	729.6	651.0	586.2	538.4
60°	484.4	604.7	674.1	755.9	874.6	834.5	731.2	643.2	580.0	521.4	481.3
62.5°	411.9	507.5	566.1	624.7	732.7	714.2	634.0	566.1	512.1	462.8	428.8
65°	337.8	416.5	462.8	513.7	600.1	607.8	543.0	495.2	445.8	402.6	371.8
67.5°	273.0	334.7	376.4	419.6	489.0	510.6	465.9	425.7	384.1	348.6	320.9
70°	220.6	263.8	294.6	328.6	385.6	411.9	388.7	361.0	327.0	297.7	273.0
72.5°	174.3	202.1	220.6	246.8	293.1	319.3	317.8	293.1	268.4	248.4	228.3
75°	128.0	149.6	165.1	182.0	219.0	243.7	249.9	239.1	214.4	199.0	183.6
77.5°	97.2	109.5	117.2	129.6	155.8	177.4	186.7	183.6	166.6	154.3	143.5
80°	74.0	77.1	80.2	84.8	106.4	126.5	132.7	131.1	121.9	117.2	104.9
82.5°	52.4	54.0	55.5	57.1	64.8	81.8	87.9	91.0	83.3	78.7	67.9
85°	30.9	32.4	32.4	35.5	37.0	41.6	52.4	52.4	50.9	44.7	43.2
87.5°	15.4	15.4	13.9	13.9	15.4	17.0	20.1	23.1	20.1	18.5	17.0
90°	7.7	6.8	6.3	5.7	4.4	3.1	1.8	0.5	1.8	3.1	4.4
92.5°	11.5	11.2	11.0	11.2	11.7	12.2	12.6	13.1	12.6	12.2	11.7
95°	18.0	17.2	16.8	18.7	22.6	26.4	30.3	34.1	30.3	26.4	22.6
97.5°	21.2	19.3	18.4	23.2	32.7	42.3	51.8	61.4	51.8	42.3	32.7
100°	24.0	22.0	21.0	29.0	45.0	61.0	77.0	93.0	77.0	61.0	45.0
102.5°	94.7	116.0	126.6	126.7	126.9	127.2	127.4	127.6	127.4	127.2	126.9
105°	127.6	159.5	175.4	173.6	170.1	166.6	163.1	159.6	163.1	166.6	170.1
107.5°	151.1	190.4	210.1	208.6	205.7	202.8	199.8	196.9	199.8	202.8	205.7
110°	193.1	226.8	243.7	242.5	240.0	237.5	235.1	232.6	235.1	237.5	240.0

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CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	272.7	274.7	275.7	274.7	272.6	270.5	268.4	266.3	268.4	270.5	272.6
115°	315.3	312.4	310.9	309.9	307.9	306.0	304.0	302.0	304.0	306.0	307.9
117.5°	346.5	344.5	343.5	342.3	340.0	337.7	335.3	333.0	335.3	337.7	340.0
120°	378.6	376.5	375.5	374.6	372.9	371.1	369.4	367.6	369.4	371.1	372.9
122.5°	408.9	406.6	405.4	404.5	402.6	400.7	398.9	397.0	398.9	400.7	402.6
125°	437.1	434.9	433.8	433.0	431.5	430.0	428.5	427.0	428.5	430.0	431.5
127.5°	464.2	462.5	461.6	460.8	459.2	457.5	455.9	454.3	455.9	457.5	459.2
130°	490.3	489.0	488.4	487.5	485.6	483.7	481.9	480.0	481.9	483.7	485.6
132.5°	515.0	513.7	513.1	512.3	510.8	509.3	507.8	506.3	507.8	509.3	510.8
135°	538.3	537.2	536.7	535.8	533.9	532.0	530.2	528.3	530.2	532.0	533.9
137.5°	559.5	558.3	557.7	557.0	555.6	554.2	552.8	551.4	552.8	554.2	555.6
140°	580.1	578.8	578.2	577.7	576.8	575.9	574.9	574.0	574.9	575.9	576.8
142.5°	598.9	597.4	596.6	596.2	595.4	594.5	593.7	592.9	593.7	594.5	595.4
145°	615.3	613.3	612.3	612.4	612.5	612.6	612.8	612.9	612.8	612.6	612.5
147.5°	631.6	629.6	628.6	628.8	629.1	629.5	629.8	630.2	629.8	629.5	629.1
150°	646.1	644.2	643.3	643.7	644.5	645.4	646.2	647.0	646.2	645.4	644.5
152.5°	659.6	657.9	657.0	657.5	658.4	659.3	660.3	661.2	660.3	659.3	658.4
155°	672.2	670.8	670.1	670.6	671.7	672.7	673.8	674.8	673.8	672.7	671.7
157.5°	683.3	682.2	681.7	682.2	683.1	684.0	685.0	685.9	685.0	684.0	683.1
160°	693.2	692.5	692.2	692.5	693.2	693.9	694.6	695.3	694.6	693.9	693.2
162.5°	701.5	700.9	700.6	700.9	701.6	702.3	703.0	703.7	703.0	702.3	701.6
165°	708.4	708.1	707.9	708.3	709.0	709.7	710.4	711.1	710.4	709.7	709.0
167.5°	714.2	713.9	713.7	714.0	714.7	715.4	716.1	716.8	716.1	715.4	714.7
170°	718.8	718.5	718.4	718.8	719.5	720.2	720.9	721.6	720.9	720.2	719.5
172.5°	721.9	721.7	721.6	721.9	722.6	723.3	724.0	724.7	724.0	723.3	722.6
175°	724.0	723.8	723.7	724.1	724.9	725.8	726.6	727.4	726.6	725.8	724.9
177.5°	724.9	724.8	724.7	725.1	725.9	726.8	727.6	728.4	727.6	726.8	725.9
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2195.1	2196.6	2201.2	2187.4	2165.8	2156.5	2128.7	2124.1	2119.5	2119.5	2124.1
5°	2145.7	2139.5	2141.1	2114.9	2084.0	2065.5	2026.9	2033.1	2013.0	2000.7	2003.8
7.5°	2091.7	2074.7	2073.2	2039.3	2000.7	1966.8	1926.7	1917.4	1898.9	1877.3	1868.0
10°	2023.8	2011.5	1988.4	1949.8	1900.4	1872.7	1818.7	1786.3	1781.7	1749.3	1736.9
12.5°	1954.4	1932.8	1909.7	1855.7	1800.2	1755.4	1715.3	1679.9	1655.2	1627.4	1608.9
15°	1874.2	1848.0	1821.8	1764.7	1699.9	1655.2	1595.0	1542.6	1470.1	1413.0	1380.6
17.5°	1786.3	1757.0	1721.5	1658.3	1595.0	1533.3	1422.2	1360.5	1309.6	1275.7	1255.6
20°	1695.3	1662.9	1627.4	1564.2	1454.6	1346.7	1285.0	1237.1	1206.3	1172.3	1147.7
22.5°	1599.6	1565.7	1527.1	1428.4	1312.7	1237.1	1189.3	1144.6	1099.8	1081.3	1069.0
25°	1510.2	1479.3	1430.0	1295.8	1204.7	1135.3	1081.3	1052.0	1028.9	1004.2	981.1
27.5°	1417.6	1360.5	1291.1	1178.5	1121.4	1050.5	1011.9	990.3	950.2	933.3	922.5
30°	1306.6	1243.3	1177.0	1096.8	1030.4	981.1	945.6	910.1	887.0	870.0	851.5
32.5°	1193.9	1133.8	1092.1	1008.8	959.5	908.6	874.6	853.0	819.1	808.3	800.6
35°	1096.8	1045.9	1008.8	941.0	894.7	848.4	823.7	791.3	769.7	749.7	737.3
37.5°	1001.1	973.4	934.8	877.7	828.4	791.3	757.4	746.6	717.3	706.5	694.2
40°	934.8	893.1	860.8	811.4	769.7	729.6	708.0	683.4	663.3	646.3	641.7
42.5°	854.6	823.7	805.2	751.2	708.0	684.9	658.7	630.9	615.5	601.6	584.6
45°	794.4	766.7	740.4	697.2	658.7	629.4	606.2	587.7	561.5	555.3	529.1
47.5°	731.2	703.4	683.4	640.2	604.7	576.9	560.0	535.3	513.7	499.8	487.4
50°	667.9	644.8	626.3	589.3	558.4	529.1	506.0	481.3	472.0	448.9	441.2
52.5°	607.8	592.3	572.3	536.8	506.0	481.3	456.6	436.5	422.7	410.3	401.1
55°	556.9	532.2	522.9	484.4	458.1	431.9	410.3	398.0	381.0	373.3	365.6
57.5°	499.8	485.9	470.5	441.2	411.9	387.2	371.8	353.2	344.0	334.7	328.6
60°	450.4	430.4	418.0	393.4	367.1	344.0	330.1	316.2	303.9	296.2	283.8
62.5°	393.4	377.9	370.2	344.0	322.4	300.8	288.5	274.6	265.3	251.4	236.0
65°	344.0	331.7	322.4	300.8	280.7	260.7	248.4	231.4	219.0	211.3	209.8
67.5°	300.8	291.5	277.7	257.6	237.6	222.1	208.2	194.4	192.8	189.7	189.7
70°	253.0	243.7	236.0	214.4	197.4	180.5	177.4	172.8	168.1	166.6	163.5
72.5°	211.3	203.6	194.4	175.9	158.9	154.3	151.2	148.1	143.5	141.9	140.4
75°	171.2	160.4	154.3	137.3	132.7	129.6	126.5	121.9	118.8	117.2	114.1
77.5°	131.1	120.3	120.3	111.1	108.0	103.4	100.3	97.2	95.6	92.6	92.6
80°	92.6	92.6	89.5	84.8	80.2	78.7	74.0	72.5	71.0	72.5	69.4
82.5°	67.9	61.7	61.7	58.6	55.5	54.0	50.9	50.9	49.4	49.4	49.4
85°	38.6	38.6	37.0	33.9	32.4	32.4	30.9	30.9	29.3	29.3	27.8
87.5°	15.4	13.9	15.4	13.9	13.9	12.3	12.3	12.3	10.8	12.3	10.8
90°	5.7	6.3	6.8	7.7	8.6	9.6	10.5	11.1	11.7	12.2	12.8
92.5°	11.2	11.0	11.2	11.5	11.9	12.2	12.6	12.8	13.1	13.3	13.6
95°	18.7	16.8	17.2	18.0	18.9	19.7	20.5	21.1	21.7	22.2	22.8
97.5°	23.2	18.4	19.3	21.2	23.1	24.9	26.8	27.2	27.5	27.9	28.2
100°	29.0	21.0	22.0	24.0	25.9	27.9	29.9	30.8	31.8	32.7	33.6
102.5°	126.7	126.6	116.0	94.7	73.5	52.2	31.0	32.3	33.6	34.9	36.2
105°	173.6	175.4	159.5	127.6	95.7	63.9	32.0	33.3	34.6	35.9	37.2
107.5°	208.6	210.1	190.4	151.1	111.8	72.4	33.1	34.4	35.7	37.0	38.3
110°	242.5	243.7	226.8	193.1	159.4	125.6	91.9	80.2	68.6	56.9	45.2

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CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	274.7	275.7	274.7	272.7	270.8	268.8	266.8	216.5	166.2	115.9	65.6
115°	309.9	310.9	312.4	315.3	318.2	321.1	324.0	270.0	216.0	161.9	107.9
117.5°	342.3	343.5	344.5	346.5	348.4	350.4	352.4	335.7	319.0	302.3	285.6
120°	374.6	375.5	376.5	378.6	380.7	382.8	384.9	386.3	387.7	389.1	390.5
122.5°	404.5	405.4	406.6	408.9	411.2	413.6	415.9	416.6	417.3	418.0	418.7
125°	433.0	433.8	434.9	437.1	439.4	441.6	443.8	444.6	445.4	446.2	447.0
127.5°	460.8	461.6	462.5	464.2	466.0	467.7	469.5	470.7	471.8	473.0	474.1
130°	487.5	488.4	489.0	490.3	491.6	492.9	494.2	495.5	496.8	498.1	499.4
132.5°	512.3	513.1	513.7	515.0	516.3	517.6	518.9	519.9	521.0	522.0	523.1
135°	535.8	536.7	537.2	538.3	539.3	540.4	541.4	542.6	543.8	544.9	546.1
137.5°	557.0	557.7	558.3	559.5	560.6	561.8	563.0	564.2	565.3	566.5	567.6
140°	577.7	578.2	578.8	580.1	581.4	582.7	584.0	585.0	586.1	587.1	588.2
142.5°	596.2	596.6	597.4	598.9	600.4	601.9	603.4	604.3	605.3	606.2	607.1
145°	612.4	612.3	613.3	615.3	617.3	619.3	621.3	622.1	622.9	623.7	624.5
147.5°	628.8	628.6	629.6	631.6	633.5	635.5	637.5	638.1	638.7	639.3	639.9
150°	643.7	643.3	644.2	646.1	648.0	649.8	651.7	652.4	653.1	653.8	654.5
152.5°	657.5	657.0	657.9	659.6	661.4	663.1	664.9	665.6	666.3	667.0	667.7
155°	670.6	670.1	670.8	672.2	673.6	675.0	676.4	677.1	677.8	678.5	679.2
157.5°	682.2	681.7	682.2	683.3	684.3	685.4	686.4	687.2	688.0	688.9	689.7
160°	692.5	692.2	692.5	693.2	693.9	694.6	695.3	696.0	696.7	697.4	698.1
162.5°	700.9	700.6	700.9	701.5	702.0	702.6	703.2	704.0	704.8	705.7	706.5
165°	708.3	707.9	708.1	708.4	708.8	709.1	709.5	710.3	711.1	712.0	712.8
167.5°	714.0	713.7	713.9	714.2	714.6	714.9	715.3	716.1	716.9	717.7	718.5
170°	718.8	718.4	718.5	718.8	719.0	719.3	719.5	720.3	721.1	722.0	722.8
172.5°	721.9	721.6	721.7	721.9	722.2	722.4	722.6	723.4	724.2	725.1	725.9
175°	724.1	723.7	723.8	724.0	724.3	724.5	724.7	725.5	726.3	727.2	728.0
177.5°	725.1	724.7	724.8	724.9	725.0	725.2	725.3	726.1	726.9	727.7	728.5
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2124.1	2121.0	2111.8	2114.9	2110.2	2110.2	2107.1	2107.1	2107.1	2114.9	2110.2
5°	2008.4	1997.6	1986.8	1982.2	1977.6	1972.9	1972.9	1971.4	1985.3	1982.2	1994.5
7.5°	1865.0	1861.9	1840.3	1840.3	1832.6	1829.5	1837.2	1838.7	1840.3	1843.4	1851.1
10°	1736.9	1729.2	1698.4	1701.4	1696.8	1690.6	1695.3	1692.2	1703.0	1706.1	1703.0
12.5°	1585.8	1571.9	1537.9	1521.0	1502.5	1488.6	1505.5	1493.2	1536.4	1548.7	1582.7
15°	1385.2	1359.0	1335.9	1335.9	1318.9	1306.6	1314.3	1328.1	1337.4	1351.3	1357.5
17.5°	1251.0	1240.2	1221.7	1210.9	1206.3	1201.7	1201.7	1207.8	1227.9	1226.3	1238.7
20°	1136.9	1130.7	1121.4	1107.6	1102.9	1099.8	1099.8	1099.8	1113.7	1126.1	1133.8
22.5°	1058.2	1053.6	1047.4	1028.9	1019.6	1016.5	1024.3	1028.9	1039.7	1048.9	1056.7
25°	979.5	968.7	957.9	951.8	947.1	947.1	950.2	951.8	956.4	961.0	970.3
27.5°	914.7	907.0	891.6	874.6	874.6	870.0	873.1	876.2	887.0	902.4	910.1
30°	842.2	840.7	834.5	828.4	822.2	819.1	825.3	829.9	831.4	839.2	839.2
32.5°	789.8	779.0	768.2	762.0	758.9	757.4	758.9	765.1	765.1	774.4	785.2
35°	737.3	731.2	720.4	709.6	706.5	698.8	705.0	711.1	721.9	726.5	731.2
37.5°	680.3	672.6	667.9	664.8	658.7	660.2	655.6	664.8	674.1	672.6	675.6
40°	637.1	623.2	609.3	607.8	606.2	604.7	604.7	606.2	612.4	618.6	627.8
42.5°	581.5	576.9	564.6	552.2	549.2	546.1	543.0	549.2	561.5	572.3	576.9
45°	524.5	518.3	515.2	506.0	499.8	498.2	495.2	502.9	513.7	518.3	521.4
47.5°	472.0	470.5	461.2	462.8	458.1	459.7	458.1	462.8	462.8	467.4	470.5
50°	436.5	431.9	427.3	424.2	419.6	419.6	418.0	419.6	425.7	431.9	430.4
52.5°	401.1	393.4	391.8	390.3	387.2	390.3	385.6	387.2	393.4	396.4	394.9
55°	359.4	357.9	354.8	351.7	350.2	348.6	348.6	348.6	354.8	359.4	361.0
57.5°	327.0	319.3	313.1	313.1	307.0	305.4	308.5	310.1	314.7	317.8	320.9
60°	282.3	279.2	269.9	265.3	256.1	254.5	254.5	260.7	268.4	279.2	282.3
62.5°	234.5	229.8	228.3	228.3	228.3	228.3	228.3	228.3	228.3	229.8	229.8
65°	208.2	209.8	208.2	206.7	208.2	208.2	206.7	206.7	206.7	208.2	209.8
67.5°	186.7	185.1	186.7	185.1	183.6	183.6	182.0	183.6	185.1	186.7	186.7
70°	162.0	162.0	160.4	162.0	160.4	158.9	157.3	157.3	160.4	162.0	162.0
72.5°	138.8	138.8	137.3	137.3	134.2	134.2	135.7	134.2	134.2	138.8	138.8
75°	115.7	114.1	112.6	112.6	111.1	111.1	111.1	109.5	112.6	112.6	114.1
77.5°	91.0	91.0	91.0	89.5	89.5	87.9	87.9	89.5	89.5	89.5	91.0
80°	69.4	69.4	69.4	67.9	66.3	66.3	66.3	66.3	66.3	67.9	66.3
82.5°	47.8	47.8	47.8	47.8	47.8	46.3	46.3	46.3	47.8	47.8	46.3
85°	29.3	27.8	29.3	29.3	27.8	29.3	27.8	27.8	26.2	26.2	27.8
87.5°	12.3	10.8	9.3	9.3	10.8	9.3	9.3	9.3	10.8	9.3	9.3
90°	13.1	13.2	13.5	13.7	14.0	14.2	14.0	13.7	13.5	13.2	13.1
92.5°	13.7	13.8	13.9	14.0	14.1	14.2	14.1	14.0	13.9	13.8	13.7
95°	23.1	23.0	22.9	22.8	22.7	22.6	22.7	22.8	22.9	23.0	23.1
97.5°	28.4	28.5	28.6	28.7	28.8	28.9	28.8	28.7	28.6	28.5	28.4
100°	34.1	34.2	34.5	34.7	35.0	35.2	35.0	34.7	34.5	34.2	34.1
102.5°	36.8	37.0	37.3	37.6	38.0	38.3	38.0	37.6	37.3	37.0	36.8
105°	37.8	38.0	38.5	39.0	39.4	39.9	39.4	39.0	38.5	38.0	37.8
107.5°	38.9	39.1	39.6	40.1	40.5	41.0	40.5	40.1	39.6	39.1	38.9
110°	39.4	39.6	40.1	40.6	41.0	41.5	41.0	40.6	40.1	39.6	39.4

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	40.4	40.6	40.9	41.3	41.6	42.0	41.6	41.3	40.9	40.6	40.4
115°	80.9	76.7	68.3	59.9	51.5	43.1	51.5	59.9	68.3	76.7	80.9
117.5°	277.3	262.0	231.4	200.9	170.3	139.7	170.3	200.9	231.4	262.0	277.3
120°	391.2	383.3	367.6	351.9	336.1	320.4	336.1	351.9	367.6	383.3	391.2
122.5°	419.1	419.2	419.3	419.4	419.5	419.6	419.5	419.4	419.3	419.2	419.1
125°	447.4	447.6	447.9	448.3	448.6	449.0	448.6	448.3	447.9	447.6	447.4
127.5°	474.7	474.8	474.9	475.0	475.2	475.3	475.2	475.0	474.9	474.8	474.7
130°	500.0	499.9	499.8	499.7	499.5	499.4	499.5	499.7	499.8	499.9	500.0
132.5°	523.6	523.5	523.4	523.3	523.2	523.1	523.2	523.3	523.4	523.5	523.6
135°	546.7	546.6	546.3	546.1	545.8	545.6	545.8	546.1	546.3	546.6	546.7
137.5°	568.2	568.0	567.7	567.4	567.0	566.7	567.0	567.4	567.7	568.0	568.2
140°	588.7	588.4	587.8	587.3	586.7	586.1	586.7	587.3	587.8	588.4	588.7
142.5°	607.6	607.3	606.7	606.2	605.6	605.0	605.6	606.2	606.7	607.3	607.6
145°	624.9	624.6	624.0	623.5	622.9	622.3	622.9	623.5	624.0	624.6	624.9
147.5°	640.2	640.0	639.5	639.0	638.6	638.1	638.6	639.0	639.5	640.0	640.2
150°	654.9	654.6	654.0	653.5	652.9	652.3	652.9	653.5	654.0	654.6	654.9
152.5°	668.0	667.6	666.8	665.9	665.1	664.3	665.1	665.9	666.8	667.6	668.0
155°	679.6	679.1	678.2	677.3	676.3	675.4	676.3	677.3	678.2	679.1	679.6
157.5°	690.1	689.6	688.7	687.8	686.8	685.9	686.8	687.8	688.7	689.6	690.1
160°	698.5	698.1	697.3	696.4	695.6	694.8	695.6	696.4	697.3	698.1	698.5
162.5°	706.9	706.4	705.3	704.2	703.2	702.1	703.2	704.2	705.3	706.4	706.9
165°	713.2	712.8	712.0	711.1	710.3	709.5	710.3	711.1	712.0	712.8	713.2
167.5°	718.9	718.4	717.3	716.3	715.2	714.2	715.2	716.3	717.3	718.4	718.9
170°	723.2	722.7	721.6	720.5	719.5	718.4	719.5	720.5	721.6	722.7	723.2
172.5°	726.3	725.8	724.7	723.7	722.6	721.6	722.6	723.7	724.7	725.8	726.3
175°	728.4	727.8	726.7	725.5	724.4	723.2	724.4	725.5	726.7	727.8	728.4
177.5°	728.9	728.4	727.3	726.3	725.2	724.2	725.2	726.3	727.3	728.4	728.9
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2114.9	2122.6	2119.5	2102.5	2119.5	2124.1	2133.4	2142.6	2148.8	2158.0	2165.8
5°	1982.2	1997.6	2006.9	1997.6	2028.5	2033.1	2054.7	2067.0	2085.5	2101.0	2113.3
7.5°	1857.2	1869.6	1888.1	1891.2	1909.7	1931.3	1962.1	1993.0	2022.3	2037.7	2051.6
10°	1723.0	1744.6	1772.4	1766.2	1794.0	1827.9	1860.3	1909.7	1934.4	1962.1	1986.8
12.5°	1588.8	1602.7	1639.7	1652.1	1692.2	1718.4	1763.1	1794.0	1855.7	1888.1	1909.7
15°	1354.4	1411.4	1457.7	1513.3	1565.7	1615.1	1655.2	1710.7	1764.7	1789.4	1824.9
17.5°	1247.9	1274.2	1301.9	1329.7	1397.6	1485.5	1556.4	1616.6	1662.9	1695.3	1736.9
20°	1136.9	1163.1	1193.9	1220.2	1261.8	1325.1	1413.0	1516.3	1571.9	1605.8	1645.9
22.5°	1058.2	1082.9	1102.9	1126.1	1158.5	1204.7	1271.1	1399.1	1473.1	1514.8	1550.3
25°	973.4	1004.2	1025.8	1042.8	1069.0	1119.9	1173.9	1246.4	1379.1	1411.4	1460.8
27.5°	914.7	924.0	948.7	974.9	1001.1	1028.9	1084.4	1146.1	1235.6	1306.6	1366.7
30°	845.3	868.5	891.6	902.4	925.5	965.6	999.6	1065.9	1135.3	1190.9	1263.4
32.5°	792.9	806.8	822.2	848.4	870.0	897.8	931.7	987.2	1045.9	1081.3	1136.9
35°	734.3	743.5	775.9	786.7	808.3	836.1	870.0	913.2	976.4	1004.2	1044.3
37.5°	678.7	700.3	709.6	734.3	754.3	782.1	806.8	856.1	897.8	930.2	967.2
40°	635.5	644.8	661.8	683.4	700.3	721.9	752.8	788.2	833.0	859.2	891.6
42.5°	583.1	590.8	612.4	624.7	652.5	672.6	691.1	734.3	774.4	794.4	826.8
45°	526.0	544.5	558.4	583.1	598.5	623.2	646.3	677.2	714.2	737.3	755.9
47.5°	476.7	495.2	509.0	532.2	556.9	567.7	592.3	624.7	658.7	677.2	703.4
50°	436.5	442.7	468.9	479.7	506.0	527.6	544.5	572.3	609.3	620.1	641.7
52.5°	398.0	402.6	419.6	433.5	456.6	475.1	496.7	522.9	553.8	570.7	587.7
55°	364.0	367.1	374.8	390.3	405.7	428.8	448.9	473.6	499.8	518.3	533.7
57.5°	325.5	331.7	337.8	347.1	362.5	384.1	405.7	428.8	450.4	462.8	482.8
60°	280.7	290.0	300.8	311.6	322.4	337.8	362.5	384.1	404.2	414.9	430.4
62.5°	232.9	251.4	260.7	273.0	282.3	296.2	314.7	339.4	353.2	367.1	379.5
65°	209.8	211.3	212.9	225.2	242.2	256.1	273.0	291.5	313.1	322.4	331.7
67.5°	186.7	188.2	191.3	192.8	199.0	214.4	232.9	253.0	269.9	276.1	285.4
70°	163.5	163.5	169.7	171.2	172.8	174.3	189.7	209.8	225.2	232.9	243.7
72.5°	138.8	140.4	143.5	145.0	148.1	151.2	155.8	166.6	185.1	192.8	205.2
75°	114.1	115.7	117.2	118.8	123.4	124.9	129.6	135.7	143.5	152.7	160.4
77.5°	91.0	91.0	92.6	95.6	98.7	100.3	104.9	108.0	111.1	115.7	121.9
80°	67.9	69.4	69.4	72.5	72.5	74.0	75.6	80.2	83.3	86.4	89.5
82.5°	46.3	49.4	49.4	49.4	50.9	52.4	54.0	54.0	57.1	58.6	63.2
85°	27.8	29.3	29.3	29.3	27.8	30.9	30.9	32.4	32.4	32.4	33.9
87.5°	10.8	9.3	10.8	10.8	10.8	12.3	10.8	10.8	12.3	13.9	13.9
90°	12.8	12.2	11.7	11.1	10.5	9.6	8.6	7.7	6.8	6.3	5.7
92.5°	13.6	13.3	13.1	12.8	12.6	12.2	11.9	11.5	11.2	11.0	11.2
95°	22.8	22.2	21.7	21.1	20.5	19.7	18.9	18.0	17.2	16.8	18.7
97.5°	28.2	27.9	27.5	27.2	26.8	24.9	23.1	21.2	19.3	18.4	23.2
100°	33.6	32.7	31.8	30.8	29.9	27.9	25.9	24.0	22.0	21.0	29.0
102.5°	36.2	34.9	33.6	32.3	31.0	52.2	73.5	94.7	116.0	126.6	126.7
105°	37.2	35.9	34.6	33.3	32.0	63.9	95.7	127.6	159.5	175.4	173.6
107.5°	38.3	37.0	35.7	34.4	33.1	72.4	111.8	151.1	190.4	210.1	208.6
110°	45.2	56.9	68.6	80.2	91.9	125.6	159.4	193.1	226.8	243.7	242.5

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	65.6	115.9	166.2	216.5	266.8	268.8	270.8	272.7	274.7	275.7	274.7
115°	107.9	161.9	216.0	270.0	324.0	321.1	318.2	315.3	312.4	310.9	309.9
117.5°	285.6	302.3	319.0	335.7	352.4	350.4	348.4	346.5	344.5	343.5	342.3
120°	390.5	389.1	387.7	386.3	384.9	382.8	380.7	378.6	376.5	375.5	374.6
122.5°	418.7	418.0	417.3	416.6	415.9	413.6	411.2	408.9	406.6	405.4	404.5
125°	447.0	446.2	445.4	444.6	443.8	441.6	439.4	437.1	434.9	433.8	433.0
127.5°	474.1	473.0	471.8	470.7	469.5	467.7	466.0	464.2	462.5	461.6	460.8
130°	499.4	498.1	496.8	495.5	494.2	492.9	491.6	490.3	489.0	488.4	487.5
132.5°	523.1	522.0	521.0	519.9	518.9	517.6	516.3	515.0	513.7	513.1	512.3
135°	546.1	544.9	543.8	542.6	541.4	540.4	539.3	538.3	537.2	536.7	535.8
137.5°	567.6	566.5	565.3	564.2	563.0	561.8	560.6	559.5	558.3	557.7	557.0
140°	588.2	587.1	586.1	585.0	584.0	582.7	581.4	580.1	578.8	578.2	577.7
142.5°	607.1	606.2	605.3	604.3	603.4	601.9	600.4	598.9	597.4	596.6	596.2
145°	624.5	623.7	622.9	622.1	621.3	619.3	617.3	615.3	613.3	612.3	612.4
147.5°	639.9	639.3	638.7	638.1	637.5	635.5	633.5	631.6	629.6	628.6	628.8
150°	654.5	653.8	653.1	652.4	651.7	649.8	648.0	646.1	644.2	643.3	643.7
152.5°	667.7	667.0	666.3	665.6	664.9	663.1	661.4	659.6	657.9	657.0	657.5
155°	679.2	678.5	677.8	677.1	676.4	675.0	673.6	672.2	670.8	670.1	670.6
157.5°	689.7	688.9	688.0	687.2	686.4	685.4	684.3	683.3	682.2	681.7	682.2
160°	698.1	697.4	696.7	696.0	695.3	694.6	693.9	693.2	692.5	692.2	692.5
162.5°	706.5	705.7	704.8	704.0	703.2	702.6	702.0	701.5	700.9	700.6	700.9
165°	712.8	712.0	711.1	710.3	709.5	709.1	708.8	708.4	708.1	707.9	708.3
167.5°	718.5	717.7	716.9	716.1	715.3	714.9	714.6	714.2	713.9	713.7	714.0
170°	722.8	722.0	721.1	720.3	719.5	719.3	719.0	718.8	718.5	718.4	718.8
172.5°	725.9	725.1	724.2	723.4	722.6	722.4	722.2	721.9	721.7	721.6	721.9
175°	728.0	727.2	726.3	725.5	724.7	724.5	724.3	724.0	723.8	723.7	724.1
177.5°	728.5	727.7	726.9	726.1	725.3	725.2	725.0	724.9	724.8	724.7	725.1
180°	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8	725.8

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2219.7	2219.7	2219.7	2219.7
2.5°	2179.6	2175.0	2202.8	2233.6
5°	2134.9	2142.6	2178.1	2221.3
7.5°	2088.6	2105.6	2147.2	2204.3
10°	2023.8	2054.7	2117.9	2176.6
12.5°	1960.6	2002.2	2062.4	2131.8
15°	1889.6	1935.9	2010.0	2093.3
17.5°	1811.0	1863.4	1949.8	2040.8
20°	1727.7	1797.1	1888.1	1986.8
22.5°	1635.1	1718.4	1812.5	1922.0
25°	1545.6	1636.7	1730.8	1857.2
27.5°	1457.7	1547.2	1652.1	1780.1
30°	1369.8	1451.6	1564.2	1701.4
32.5°	1275.7	1360.5	1479.3	1619.7
35°	1189.3	1274.2	1385.2	1524.1
37.5°	1096.8	1187.8	1294.2	1437.7
40°	988.8	1095.2	1198.6	1335.9
42.5°	899.3	1011.9	1112.2	1241.8
45°	828.4	934.8	1018.1	1144.6
47.5°	762.0	848.4	933.3	1050.5
50°	698.8	765.1	853.0	957.9
52.5°	634.0	691.1	766.7	865.4
55°	575.4	629.4	697.2	772.8
57.5°	521.4	560.0	627.8	695.7
60°	461.2	501.3	553.8	610.9
62.5°	410.3	441.2	490.5	538.4
65°	356.3	385.6	422.7	467.4
67.5°	307.0	333.2	362.5	398.0
70°	262.2	282.3	303.9	334.7
72.5°	214.4	236.0	256.1	280.7
75°	175.9	185.1	202.1	219.0
77.5°	135.7	148.1	157.3	171.2
80°	97.2	108.0	111.1	121.9
82.5°	64.8	71.0	77.1	80.2
85°	37.0	40.1	46.3	47.8
87.5°	13.9	15.4	18.5	21.6
90°	4.4	3.1	1.8	0.5
92.5°	11.7	12.2	12.6	13.1
95°	22.6	26.4	30.3	34.1
97.5°	32.7	42.3	51.8	61.4
100°	45.0	61.0	77.0	93.0
102.5°	126.9	127.2	127.4	127.6
105°	170.1	166.6	163.1	159.6
107.5°	205.7	202.8	199.8	196.9
110°	240.0	237.5	235.1	232.6

TEST NUMBER: P999355

CATALOG NUMBER: SA2XXRDIP-B1005D530UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	272.6	270.5	268.4	266.3
115°	307.9	306.0	304.0	302.0
117.5°	340.0	337.7	335.3	333.0
120°	372.9	371.1	369.4	367.6
122.5°	402.6	400.7	398.9	397.0
125°	431.5	430.0	428.5	427.0
127.5°	459.2	457.5	455.9	454.3
130°	485.6	483.7	481.9	480.0
132.5°	510.8	509.3	507.8	506.3
135°	533.9	532.0	530.2	528.3
137.5°	555.6	554.2	552.8	551.4
140°	576.8	575.9	574.9	574.0
142.5°	595.4	594.5	593.7	592.9
145°	612.5	612.6	612.8	612.9
147.5°	629.1	629.5	629.8	630.2
150°	644.5	645.4	646.2	647.0
152.5°	658.4	659.3	660.3	661.2
155°	671.7	672.7	673.8	674.8
157.5°	683.1	684.0	685.0	685.9
160°	693.2	693.9	694.6	695.3
162.5°	701.6	702.3	703.0	703.7
165°	709.0	709.7	710.4	711.1
167.5°	714.7	715.4	716.1	716.8
170°	719.5	720.2	720.9	721.6
172.5°	722.6	723.3	724.0	724.7
175°	724.9	725.8	726.6	727.4
177.5°	725.9	726.8	727.6	728.4
180°	725.8	725.8	725.8	725.8

(END OF REPORT)