

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: P1010441

Luminaire Tested: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010441
REPORT IS A COMBINATION OF REPORTS P989210 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

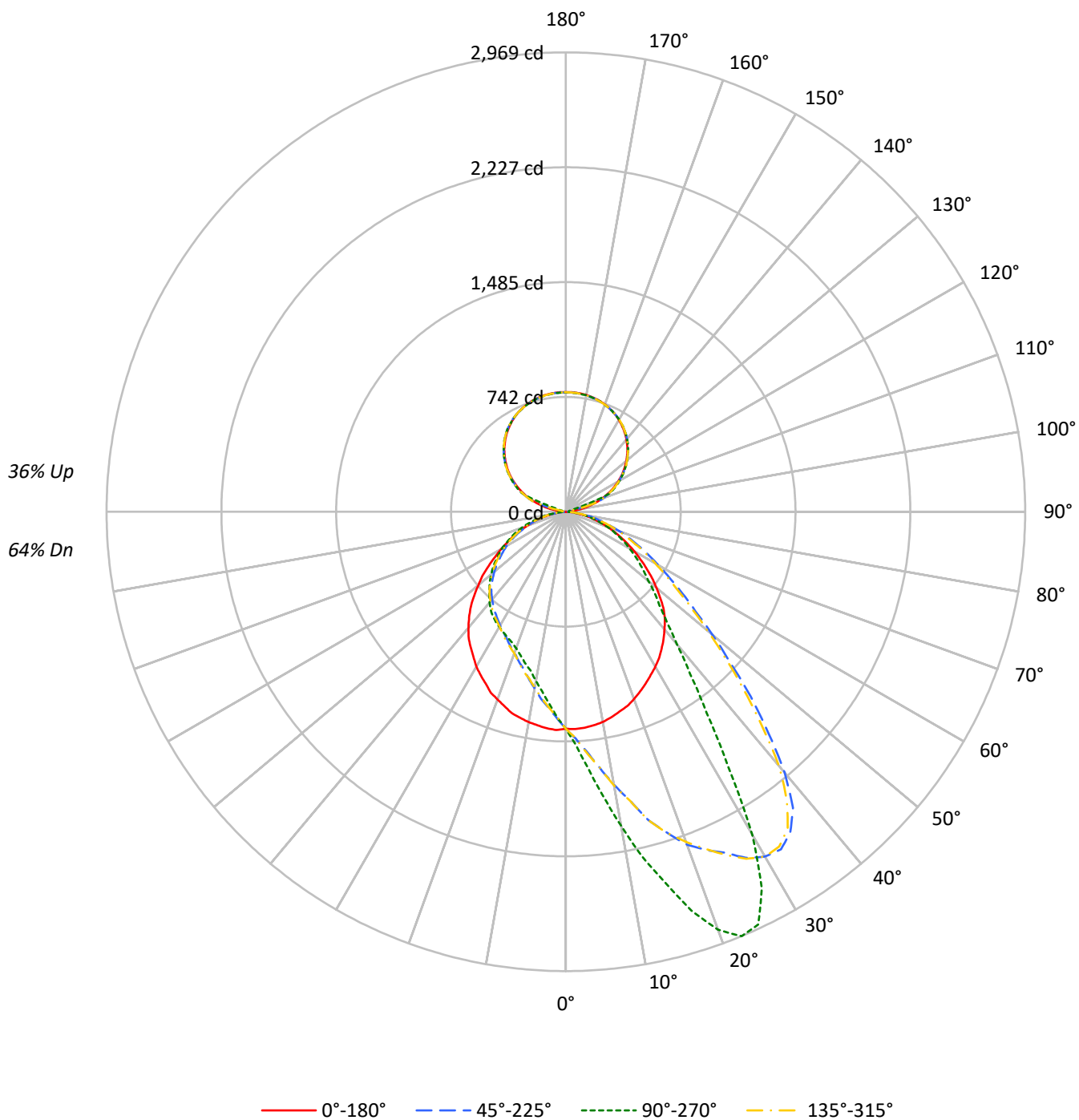
Lumens per Lamp: N/A
Luminaire Lumens: 6589.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 62.2
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	0			
RCR																					
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64			
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59	55			
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46			
3	85	75	68	62	79	71	64	59	63	58	54	56	52	48	49	46	43	40			
4	78	67	59	53	73	63	56	50	56	51	46	50	45	42	44	40	37	34			
5	71	60	51	45	67	56	49	44	50	44	40	45	40	36	40	36	33	30			
6	66	54	46	40	62	51	43	38	46	40	35	41	36	32	36	32	29	26			
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23			
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21			
9	53	40	33	28	50	38	32	27	35	29	25	31	26	23	28	24	21	19			
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	26	22	19	17			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15093	15093	15093	15093
5°	15103	17390	15147	12979
10°	15007	21044	15022	11334
15°	14800	24957	14919	10202
20°	14621	28734	14652	9388
25°	14355	29457	14387	8963
30°	14167	24337	14167	8685
35°	13932	16277	13844	8438
40°	13651	11750	13482	8062
45°	13298	9307	12915	7594
50°	12438	7904	11998	7134
55°	11497	6945	11029	6620
60°	10542	6047	9981	6083
65°	9493	5178	9031	5365
70°	8402	4299	7842	4522
75°	7186	3242	6718	3490
80°	5679	2164	5239	2293
85°	3919	993	3131	904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	2.1
10°-20°	442.9	6.7
20°-30°	745.3	11.3
30°-40°	842.2	12.8
40°-50°	754.3	11.4
50°-60°	608.9	9.2
60°-70°	424.3	6.4
70°-80°	222.7	3.4
80°-90°	54.9	0.8
90°-100°	27.2	0.4
100°-110°	131.7	2.0
110°-120°	322.8	4.9
120°-130°	409.8	6.2
130°-140°	437.8	6.6
140°-150°	409.4	6.2
150°-160°	330.2	5.0
160°-170°	213.1	3.2
170°-180°	73.4	1.1
0°-30°	1326.1	20.1
0°-40°	2168.3	32.9
0°-60°	3531.6	53.6
0°-90°	4233.5	64.3
90°-120°	481.8	7.3
90°-150°	1738.8	26.4
90°-180°	2355.0	35.7
0°-180°	6589.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1402	1402	1402	1402	1402	
5°	1401	1666	1405	1243	1401	133
15°	1337	2480	1348	1014	1337	378
25°	1223	2943	1226	895	1223	564
35°	1079	1586	1072	822	1079	675
45°	895	856	870	698	895	685
55°	634	582	609	554	634	568
65°	393	378	374	391	393	391
75°	189	194	177	209	189	203
85°	41	45	33	41	41	47
90°	1	17	1	17	1	5
95°	35	22	35	22	35	42
105°	171	25	171	25	171	181
115°	321	338	321	338	321	317
125°	452	462	452	462	452	404
135°	563	569	563	569	563	434
145°	650	656	650	656	650	407
155°	716	715	716	715	716	330
165°	755	753	755	753	755	213
175°	773	770	773	770	773	74
180°	773	773	773	773	773	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1406.3	1417.1	1422.6	1430.7	1438.9	1451.1	1455.2	1462.0	1459.2	1464.7	1467.4
5°	1400.8	1419.8	1436.1	1456.5	1475.5	1489.1	1502.7	1524.5	1540.8	1543.5	1555.7
7.5°	1391.3	1418.5	1447.0	1475.5	1512.2	1534.0	1558.4	1588.3	1612.8	1652.2	1667.1
10°	1379.1	1417.1	1457.9	1497.3	1547.6	1581.5	1611.4	1661.7	1712.0	1752.7	1790.8
12.5°	1360.1	1407.6	1460.6	1519.0	1584.2	1623.6	1664.4	1731.0	1807.1	1869.6	1910.3
15°	1337.0	1396.7	1464.7	1527.2	1599.2	1672.6	1716.0	1790.8	1899.5	1957.9	2062.5
17.5°	1317.9	1379.1	1447.0	1544.8	1642.7	1716.0	1747.3	1884.5	1959.2	2057.1	2175.3
20°	1288.0	1365.5	1452.5	1550.3	1676.6	1721.5	1785.3	1923.9	2016.3	2144.0	2289.4
22.5°	1256.8	1339.7	1444.3	1546.2	1687.5	1735.1	1822.0	1932.1	2078.8	2205.2	2365.5
25°	1222.8	1312.5	1418.5	1539.4	1678.0	1747.3	1828.8	1964.7	2123.6	2282.6	2430.7
27.5°	1188.9	1286.7	1396.7	1517.7	1652.2	1733.7	1815.2	1956.5	2160.3	2332.9	2521.7
30°	1156.3	1254.1	1364.1	1487.8	1629.1	1707.9	1785.3	1962.0	2188.9	2383.2	2573.4
32.5°	1120.9	1221.5	1337.0	1440.2	1582.9	1667.1	1754.1	1962.0	2206.5	2413.1	2587.0
35°	1078.8	1182.1	1281.3	1384.5	1525.8	1619.6	1717.4	1948.4	2222.8	2422.6	2529.9
37.5°	1038.0	1129.1	1214.7	1315.2	1463.3	1563.9	1676.6	1932.1	2214.7	2381.8	2411.7
40°	991.9	1082.9	1152.2	1245.9	1402.2	1519.0	1633.2	1910.3	2179.4	2285.3	2198.4
42.5°	947.0	1019.0	1078.8	1169.8	1339.7	1453.8	1577.5	1870.9	2110.1	2131.8	1936.1
45°	895.4	947.0	1000.0	1103.3	1271.7	1388.6	1525.8	1813.9	1998.6	1936.1	1688.9
47.5°	828.8	875.0	933.4	1028.5	1199.7	1320.7	1451.1	1740.5	1837.0	1706.5	1436.1
50°	764.9	804.4	858.7	951.1	1123.6	1241.9	1380.4	1625.0	1672.6	1467.4	1237.8
52.5°	701.1	731.0	784.0	876.4	1048.9	1163.0	1289.4	1506.8	1479.6	1259.5	1055.7
55°	634.5	660.3	710.6	801.6	962.0	1070.7	1191.6	1361.4	1290.8	1081.5	918.5
57.5°	569.3	596.5	648.1	724.2	875.0	981.0	1077.4	1210.6	1104.6	937.5	793.5
60°	510.9	534.0	573.4	648.1	785.3	870.9	959.2	1050.3	962.0	800.3	690.2
62.5°	449.7	471.5	508.2	576.1	694.3	770.4	841.0	915.8	817.9	699.7	601.9
65°	392.7	410.3	444.3	506.8	603.3	665.8	722.8	774.5	695.7	587.0	513.6
67.5°	341.0	356.0	384.5	440.2	521.7	566.6	612.8	656.3	589.7	502.7	440.2
70°	285.3	297.6	323.4	364.1	429.3	475.5	509.5	542.1	482.3	413.0	370.9
72.5°	236.4	248.6	264.9	307.1	351.9	380.4	417.1	434.8	400.8	343.8	301.6
75°	188.9	198.4	213.3	240.5	282.6	301.6	324.7	338.3	307.1	269.0	243.2
77.5°	148.1	152.2	163.0	182.1	210.6	232.3	250.0	258.2	236.4	212.0	190.2
80°	104.6	110.1	118.2	134.5	156.3	163.0	173.9	183.4	169.8	148.1	134.5
82.5°	69.3	76.1	80.2	87.0	100.5	108.7	111.4	119.6	107.3	99.2	93.8
85°	40.8	43.5	44.8	48.9	55.7	59.8	63.9	65.2	62.5	61.1	55.7
87.5°	20.4	20.4	20.4	23.1	24.5	27.2	28.5	28.5	28.5	27.2	25.8
90°	0.6	1.9	3.1	4.4	5.7	6.3	7.1	8.8	10.5	12.1	13.8
92.5°	13.2	12.4	11.7	10.9	10.2	9.8	10.4	11.5	12.6	13.8	14.9
95°	35.0	29.8	24.6	19.3	14.1	11.5	12.2	13.6	15.0	16.4	17.8
97.5°	63.7	60.1	56.5	53.0	49.4	47.6	44.4	37.9	31.4	24.9	18.4
100°	97.0	99.6	102.1	104.7	107.2	108.5	98.5	78.6	58.7	38.8	18.9
102.5°	134.9	136.6	138.2	139.9	141.6	142.4	131.3	109.1	86.9	64.7	42.5
105°	171.1	172.5	173.9	175.3	176.7	177.4	171.7	160.2	148.7	137.2	125.7
107.5°	209.5	210.7	211.8	213.0	214.1	214.7	215.7	217.6	219.5	221.4	223.3
110°	248.0	249.0	250.0	251.1	252.1	252.6	253.3	254.7	256.1	257.5	258.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	284.7	285.6	286.5	287.4	288.3	288.7	289.4	290.8	292.2	293.6	295.0
115°	320.9	321.7	322.4	323.2	323.9	324.3	324.9	326.0	327.2	328.3	329.5
117.5°	356.5	357.4	358.3	359.2	360.1	360.5	360.8	361.5	362.1	362.8	363.4
120°	389.2	390.4	391.5	392.7	393.8	394.4	394.6	395.0	395.3	395.7	396.1
122.5°	422.5	423.4	424.3	425.2	426.1	426.5	426.8	427.3	427.8	428.3	428.8
125°	452.3	453.3	454.3	455.4	456.4	456.9	457.2	457.7	458.2	458.7	459.2
127.5°	482.2	483.2	484.2	485.3	486.3	486.8	487.1	487.7	488.4	489.0	489.6
130°	509.7	510.7	511.7	512.8	513.8	514.3	514.6	515.1	515.6	516.1	516.6
132.5°	536.1	537.1	538.1	539.2	540.2	540.7	540.9	541.3	541.7	542.1	542.5
135°	563.1	563.9	564.7	565.4	566.2	566.6	566.9	567.4	567.9	568.4	568.9
137.5°	586.1	587.1	588.1	589.2	590.2	590.7	590.8	591.1	591.3	591.6	591.8
140°	609.0	609.8	610.6	611.3	612.1	612.5	612.7	613.1	613.4	613.8	614.2
142.5°	630.3	631.1	631.8	632.6	633.3	633.7	633.9	634.3	634.6	635.0	635.4
145°	649.8	650.7	651.6	652.5	653.4	653.8	653.9	654.2	654.5	654.7	655.0
147.5°	668.7	669.3	670.0	670.6	671.3	671.6	671.7	672.0	672.3	672.5	672.8
150°	686.0	686.4	686.8	687.1	687.5	687.7	687.8	688.1	688.3	688.6	688.8
152.5°	701.5	701.6	701.7	701.8	701.9	702.0	702.1	702.2	702.3	702.5	702.6
155°	715.8	715.6	715.3	715.1	714.8	714.7	714.8	714.9	715.0	715.1	715.2
157.5°	727.3	727.3	727.3	727.3	727.3	727.3	727.2	727.1	727.0	726.8	726.7
160°	737.6	737.5	737.3	737.2	737.1	737.0	736.9	736.8	736.7	736.6	736.5
162.5°	747.4	747.0	746.6	746.3	745.9	745.7	745.6	745.5	745.4	745.2	745.1
165°	754.8	754.4	754.0	753.7	753.3	753.1	753.0	752.9	752.8	752.6	752.5
167.5°	761.2	760.7	760.2	759.7	759.2	758.9	758.9	758.9	758.9	758.9	758.9
170°	766.3	765.8	765.3	764.8	764.3	764.0	764.0	764.0	764.0	764.0	764.0
172.5°	769.8	769.2	768.5	767.9	767.2	766.9	767.0	767.1	767.2	767.4	767.5
175°	772.6	772.0	771.4	770.7	770.1	769.8	769.9	770.0	770.1	770.2	770.3
177.5°	773.8	773.2	772.5	771.9	771.2	770.9	771.0	771.1	771.2	771.4	771.5
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1476.9	1479.6	1489.1	1495.9	1509.5	1508.2	1508.2	1506.8	1502.7	1509.5	1513.6
5°	1580.2	1603.3	1606.0	1635.9	1637.2	1649.5	1657.6	1650.8	1667.1	1665.8	1653.5
7.5°	1707.9	1739.1	1754.1	1782.6	1815.2	1807.1	1838.3	1843.8	1841.0	1854.6	1864.1
10°	1847.8	1902.2	1940.2	1993.2	2006.8	2015.0	2035.3	2053.0	2088.3	2061.1	2078.8
12.5°	2008.2	2047.6	2097.8	2182.1	2224.2	2251.4	2260.9	2273.1	2297.6	2282.6	2284.0
15°	2142.7	2195.7	2281.3	2385.9	2398.1	2432.1	2423.9	2497.3	2532.6	2479.6	2509.5
17.5°	2282.6	2353.3	2455.2	2546.2	2597.8	2620.9	2642.7	2713.3	2710.6	2702.5	2709.2
20°	2372.3	2487.8	2614.1	2735.1	2750.0	2767.7	2826.1	2856.0	2850.6	2873.7	2888.6
22.5°	2498.6	2620.9	2755.4	2835.6	2869.6	2890.0	2936.2	2955.2	2963.3	2968.8	2959.2
25°	2604.6	2735.1	2834.2	2904.9	2925.3	2936.2	2951.1	2956.5	2952.5	2942.9	2951.1
27.5°	2676.6	2781.3	2849.2	2881.8	2870.9	2853.3	2824.7	2805.7	2763.6	2743.2	2767.7
30°	2706.5	2752.7	2773.1	2718.8	2664.4	2620.9	2566.6	2466.0	2387.2	2410.3	2379.1
32.5°	2659.0	2629.1	2531.3	2391.3	2349.2	2278.5	2125.0	2006.8	2010.9	1948.4	1974.2
35°	2519.0	2383.2	2198.4	1986.4	1930.7	1892.7	1724.2	1698.4	1644.0	1585.6	1601.9
37.5°	2271.7	2073.4	1849.2	1692.9	1610.1	1527.2	1432.1	1375.0	1342.4	1317.9	1337.0
40°	1970.1	1728.3	1543.5	1403.5	1332.9	1279.9	1214.7	1157.6	1120.9	1116.9	1123.6
42.5°	1673.9	1470.1	1300.3	1167.1	1144.0	1081.5	1039.4	994.6	983.7	966.0	975.5
45°	1417.1	1251.4	1111.4	1002.7	975.5	959.2	907.6	879.1	866.9	856.0	872.3
47.5°	1231.0	1057.1	955.2	889.9	862.8	835.6	807.1	788.0	778.5	779.9	778.5
50°	1051.6	923.9	834.2	784.0	767.7	748.6	725.5	713.3	709.2	697.0	706.5
52.5°	904.9	812.5	750.0	702.4	690.2	676.6	657.6	650.8	641.3	638.6	638.6
55°	786.7	714.7	664.4	633.2	618.2	607.3	596.5	588.3	581.5	581.5	581.5
57.5°	694.3	631.8	595.1	567.9	562.5	551.6	539.4	539.4	529.9	528.5	532.6
60°	615.5	559.8	531.3	508.2	500.0	497.3	485.1	485.1	482.3	475.5	481.0
62.5°	535.3	494.6	470.1	452.4	444.3	444.3	434.8	428.0	428.0	429.3	426.6
65°	462.0	432.1	410.3	396.7	392.7	387.2	385.9	380.4	376.4	377.7	376.4
67.5°	396.7	373.6	358.7	347.8	341.0	338.3	334.2	334.2	331.5	332.9	326.1
70°	338.3	315.2	303.0	292.1	289.4	289.4	284.0	285.3	282.6	286.7	284.0
72.5°	278.5	260.9	251.4	247.3	244.6	243.2	240.5	237.8	236.4	239.1	237.8
75°	225.5	210.6	203.8	201.1	198.4	198.4	197.0	195.7	194.3	194.3	194.3
77.5°	175.3	165.8	157.6	160.3	156.3	157.6	153.5	153.5	154.9	153.5	153.5
80°	129.1	122.3	122.3	119.6	114.1	116.8	116.8	112.8	111.4	114.1	110.1
82.5°	85.6	84.2	81.5	80.2	77.4	78.8	77.4	76.1	74.7	77.4	74.7
85°	50.3	50.3	48.9	46.2	48.9	47.6	46.2	46.2	44.8	44.8	44.8
87.5°	25.8	23.1	23.1	21.7	23.1	20.4	21.7	20.4	19.0	20.4	19.0
90°	14.3	14.8	15.3	15.8	16.1	16.2	16.5	16.7	17.0	17.2	17.0
92.5°	15.8	16.7	17.6	18.5	18.9	19.0	19.1	19.2	19.4	19.5	19.4
95°	18.7	19.6	20.5	21.4	21.8	21.8	21.8	21.8	21.8	21.8	21.8
97.5°	19.4	20.4	21.5	22.5	23.0	23.1	23.2	23.3	23.4	23.5	23.4
100°	19.9	20.9	22.0	23.0	23.5	23.6	23.7	23.8	24.0	24.1	24.0
102.5°	38.3	34.1	29.8	25.6	23.5	23.6	23.9	24.2	24.4	24.7	24.4
105°	103.1	80.5	58.0	35.4	24.1	24.2	24.5	24.8	25.0	25.3	25.0
107.5°	203.7	184.0	164.4	144.7	134.9	126.5	109.8	93.1	76.4	59.7	76.4
110°	254.7	250.5	246.2	242.0	239.9	230.8	212.6	194.3	176.1	157.9	176.1

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	296.2	297.3	298.5	299.6	300.2	300.1	299.8	299.6	299.3	299.1	299.3
115°	330.8	332.0	333.3	334.6	335.2	335.5	336.0	336.5	337.0	337.5	337.0
117.5°	364.4	365.4	366.5	367.5	368.0	368.1	368.2	368.3	368.4	368.5	368.4
120°	397.1	398.1	399.2	400.2	400.7	400.7	400.7	400.7	400.7	400.7	400.7
122.5°	429.4	430.1	430.7	431.4	431.7	431.8	431.9	432.0	432.1	432.2	432.1
125°	459.5	459.7	460.0	460.3	460.4	460.5	460.8	461.0	461.3	461.5	461.3
127.5°	490.0	490.4	490.8	491.2	491.4	491.3	491.0	490.7	490.5	490.2	490.5
130°	517.1	517.6	518.1	518.6	518.9	518.8	518.5	518.3	518.0	517.8	518.0
132.5°	543.0	543.5	544.0	544.5	544.8	544.6	544.2	543.8	543.4	543.0	543.4
135°	569.3	569.7	570.0	570.4	570.6	570.4	570.0	569.7	569.3	568.9	569.3
137.5°	592.4	593.1	593.7	594.4	594.7	594.6	594.3	594.0	593.8	593.5	593.8
140°	614.7	615.2	615.7	616.2	616.5	616.4	616.1	615.9	615.6	615.4	615.6
142.5°	635.8	636.2	636.6	637.0	637.2	637.0	636.6	636.2	635.8	635.4	635.8
145°	655.2	655.5	655.7	656.0	656.1	656.1	656.1	656.1	656.1	656.1	656.1
147.5°	673.0	673.3	673.5	673.8	673.9	673.6	672.9	672.3	671.6	671.0	671.6
150°	689.1	689.3	689.6	689.9	690.0	689.8	689.4	689.1	688.7	688.3	688.7
152.5°	703.1	703.6	704.1	704.6	704.9	704.6	703.9	703.3	702.6	702.0	702.6
155°	715.8	716.5	717.1	717.8	718.1	717.7	717.0	716.2	715.5	714.7	715.5
157.5°	727.5	728.3	729.0	729.8	730.2	729.7	728.7	727.6	726.6	725.6	726.6
160°	737.3	738.0	738.8	739.5	739.9	739.5	738.6	737.7	736.8	735.9	736.8
162.5°	746.0	746.9	747.8	748.7	749.1	748.7	748.0	747.2	746.5	745.7	746.5
165°	753.5	754.5	755.6	756.6	757.1	756.7	755.8	754.9	754.0	753.1	754.0
167.5°	759.9	760.9	762.0	763.0	763.5	763.0	762.0	760.9	759.9	758.9	759.9
170°	765.0	766.0	767.1	768.1	768.6	768.1	767.1	766.0	765.0	764.0	765.0
172.5°	768.5	769.5	770.6	771.6	772.1	771.5	770.4	769.2	768.1	766.9	768.1
175°	771.2	772.1	773.0	773.9	774.4	773.9	772.9	771.8	770.8	769.8	770.8
177.5°	772.5	773.5	774.6	775.6	776.1	775.5	774.2	772.9	771.6	770.3	771.6
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1502.7	1506.8	1495.9	1493.2	1493.2	1498.6	1494.6	1457.9	1464.7	1456.5	1453.8
5°	1668.5	1660.3	1649.5	1644.0	1637.2	1618.2	1616.9	1574.7	1566.6	1539.4	1527.2
7.5°	1850.5	1843.8	1811.1	1807.1	1804.4	1786.7	1741.9	1697.0	1664.4	1633.2	1603.3
10°	2058.4	2038.1	2023.1	1993.2	1978.3	1953.8	1895.4	1853.3	1797.6	1750.0	1687.5
12.5°	2308.4	2285.3	2235.1	2213.3	2194.3	2126.4	2067.9	2020.4	1911.7	1879.1	1801.6
15°	2491.9	2442.9	2437.5	2390.0	2387.2	2312.5	2201.1	2149.5	2065.2	1945.7	1865.5
17.5°	2690.2	2646.7	2612.8	2555.7	2547.6	2476.9	2395.4	2269.0	2176.6	2062.5	1960.6
20°	2835.6	2812.5	2754.1	2731.0	2683.4	2623.6	2539.4	2383.2	2270.4	2156.3	2031.3
22.5°	2951.1	2928.0	2881.8	2850.6	2823.4	2745.9	2645.4	2512.2	2357.3	2207.9	2078.8
25°	2949.7	2942.9	2923.9	2909.0	2888.6	2831.5	2747.3	2619.6	2447.0	2282.6	2103.3
27.5°	2782.6	2801.6	2834.2	2850.6	2846.5	2838.3	2790.8	2683.4	2528.5	2332.9	2131.8
30°	2434.8	2504.1	2565.2	2646.7	2671.2	2731.0	2758.2	2697.0	2573.4	2391.3	2168.5
32.5°	2019.0	2119.6	2252.7	2297.6	2375.0	2490.5	2619.6	2642.7	2565.2	2425.3	2191.6
35°	1656.3	1739.1	1842.4	1913.0	1982.3	2169.8	2332.9	2474.2	2500.0	2407.6	2186.1
37.5°	1370.9	1429.4	1520.4	1580.2	1644.0	1804.4	2032.6	2216.0	2345.1	2347.8	2171.2
40°	1164.4	1190.2	1269.0	1312.5	1373.6	1512.2	1716.0	1955.2	2144.0	2231.0	2131.8
42.5°	986.4	1020.4	1085.6	1118.2	1157.6	1278.5	1413.0	1640.0	1873.6	2059.8	2058.4
45°	880.4	904.9	934.8	962.0	1006.8	1078.8	1232.3	1402.2	1626.4	1837.0	1919.8
47.5°	786.7	809.8	839.7	847.8	877.7	945.7	1039.4	1187.5	1396.7	1606.0	1762.2
50°	707.9	726.9	747.3	762.2	775.8	831.5	902.2	1027.2	1194.3	1396.7	1591.0
52.5°	646.7	660.3	678.0	686.1	698.4	739.1	793.5	885.9	1023.1	1207.9	1396.7
55°	589.7	599.2	610.1	623.6	629.1	659.0	701.1	779.9	881.8	1047.6	1226.9
57.5°	536.7	540.8	547.6	555.7	562.5	588.3	625.0	678.0	767.7	895.4	1065.2
60°	476.9	487.8	491.8	500.0	504.1	524.5	553.0	597.8	667.1	777.2	904.9
62.5°	426.6	433.4	440.2	444.3	453.8	460.6	483.7	524.5	581.5	663.0	778.5
65°	381.8	384.5	388.6	392.7	395.4	403.5	425.3	452.4	495.9	567.9	657.6
67.5°	330.2	332.9	338.3	339.7	342.4	353.3	365.5	388.6	425.3	479.6	553.0
70°	279.9	284.0	286.7	289.4	293.5	297.6	311.1	330.2	358.7	396.7	453.8
72.5°	236.4	240.5	240.5	243.2	241.8	247.3	260.9	274.5	293.5	324.7	375.0
75°	192.9	192.9	195.7	197.0	198.4	203.8	209.2	220.1	235.1	259.5	290.8
77.5°	152.2	150.8	153.5	153.5	153.5	157.6	163.0	168.5	178.0	195.7	220.1
80°	111.4	111.4	114.1	115.5	112.8	114.1	116.8	122.3	129.1	141.3	154.9
82.5°	73.4	78.8	77.4	78.8	77.4	80.2	81.5	82.9	85.6	91.0	100.5
85°	44.8	44.8	44.8	46.2	44.8	46.2	46.2	46.2	47.6	50.3	54.3
87.5°	19.0	19.0	19.0	20.4	19.0	19.0	20.4	19.0	20.4	20.4	21.7
90°	16.7	16.5	16.2	16.1	15.8	15.3	14.8	14.3	13.8	12.1	10.5
92.5°	19.2	19.1	19.0	18.9	18.5	17.6	16.7	15.8	14.9	13.8	12.6
95°	21.8	21.8	21.8	21.8	21.4	20.5	19.6	18.7	17.8	16.4	15.0
97.5°	23.3	23.2	23.1	23.0	22.5	21.5	20.4	19.4	18.4	24.9	31.4
100°	23.8	23.7	23.6	23.5	23.0	22.0	20.9	19.9	18.9	38.8	58.7
102.5°	24.2	23.9	23.6	23.5	25.6	29.8	34.1	38.3	42.5	64.7	86.9
105°	24.8	24.5	24.2	24.1	35.4	58.0	80.5	103.1	125.7	137.2	148.7
107.5°	93.1	109.8	126.5	134.9	144.7	164.4	184.0	203.7	223.3	221.4	219.5
110°	194.3	212.6	230.8	239.9	242.0	246.2	250.5	254.7	258.9	257.5	256.1



TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	299.6	299.8	300.1	300.2	299.6	298.5	297.3	296.2	295.0	293.6	292.2
115°	336.5	336.0	335.5	335.2	334.6	333.3	332.0	330.8	329.5	328.3	327.2
117.5°	368.3	368.2	368.1	368.0	367.5	366.5	365.4	364.4	363.4	362.8	362.1
120°	400.7	400.7	400.7	400.7	400.2	399.2	398.1	397.1	396.1	395.7	395.3
122.5°	432.0	431.9	431.8	431.7	431.4	430.7	430.1	429.4	428.8	428.3	427.8
125°	461.0	460.8	460.5	460.4	460.3	460.0	459.7	459.5	459.2	458.7	458.2
127.5°	490.7	491.0	491.3	491.4	491.2	490.8	490.4	490.0	489.6	489.0	488.4
130°	518.3	518.5	518.8	518.9	518.6	518.1	517.6	517.1	516.6	516.1	515.6
132.5°	543.8	544.2	544.6	544.8	544.5	544.0	543.5	543.0	542.5	542.1	541.7
135°	569.7	570.0	570.4	570.6	570.4	570.0	569.7	569.3	568.9	568.4	567.9
137.5°	594.0	594.3	594.6	594.7	594.4	593.7	593.1	592.4	591.8	591.6	591.3
140°	615.9	616.1	616.4	616.5	616.2	615.7	615.2	614.7	614.2	613.8	613.4
142.5°	636.2	636.6	637.0	637.2	637.0	636.6	636.2	635.8	635.4	635.0	634.6
145°	656.1	656.1	656.1	656.1	656.0	655.7	655.5	655.2	655.0	654.7	654.5
147.5°	672.3	672.9	673.6	673.9	673.8	673.5	673.3	673.0	672.8	672.5	672.3
150°	689.1	689.4	689.8	690.0	689.9	689.6	689.3	689.1	688.8	688.6	688.3
152.5°	703.3	703.9	704.6	704.9	704.6	704.1	703.6	703.1	702.6	702.5	702.3
155°	716.2	717.0	717.7	718.1	717.8	717.1	716.5	715.8	715.2	715.1	715.0
157.5°	727.6	728.7	729.7	730.2	729.8	729.0	728.3	727.5	726.7	726.8	727.0
160°	737.7	738.6	739.5	739.9	739.5	738.8	738.0	737.3	736.5	736.6	736.7
162.5°	747.2	748.0	748.7	749.1	748.7	747.8	746.9	746.0	745.1	745.2	745.4
165°	754.9	755.8	756.7	757.1	756.6	755.6	754.5	753.5	752.5	752.6	752.8
167.5°	760.9	762.0	763.0	763.5	763.0	762.0	760.9	759.9	758.9	758.9	758.9
170°	766.0	767.1	768.1	768.6	768.1	767.1	766.0	765.0	764.0	764.0	764.0
172.5°	769.2	770.4	771.5	772.1	771.6	770.6	769.5	768.5	767.5	767.4	767.2
175°	771.8	772.9	773.9	774.4	773.9	773.0	772.1	771.2	770.3	770.2	770.1
177.5°	772.9	774.2	775.5	776.1	775.6	774.6	773.5	772.5	771.5	771.4	771.2
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1440.2	1436.1	1436.1	1433.4	1425.3	1410.3	1409.0	1411.7	1403.5	1395.4	1383.2
5°	1510.9	1485.1	1476.9	1468.8	1452.5	1425.3	1414.4	1404.9	1390.0	1372.3	1353.3
7.5°	1570.7	1534.0	1523.1	1508.2	1475.5	1437.5	1413.0	1392.7	1372.3	1347.8	1324.7
10°	1645.4	1592.4	1566.6	1544.8	1500.0	1447.0	1410.3	1380.4	1347.8	1317.9	1288.0
12.5°	1729.6	1644.0	1635.9	1582.9	1531.3	1452.5	1407.6	1364.1	1320.7	1284.0	1252.7
15°	1800.3	1706.5	1672.6	1637.2	1538.0	1440.2	1396.7	1347.8	1297.6	1258.2	1212.0
17.5°	1845.1	1767.7	1695.7	1648.1	1544.8	1457.9	1373.6	1317.9	1264.9	1210.6	1172.6
20°	1899.5	1786.7	1724.2	1660.3	1558.4	1444.3	1360.1	1290.8	1225.5	1176.6	1130.4
22.5°	1953.8	1801.6	1750.0	1680.7	1561.1	1430.7	1335.6	1266.3	1191.6	1142.7	1092.4
25°	1948.4	1823.4	1737.8	1679.4	1534.0	1418.5	1307.1	1225.5	1156.3	1093.8	1043.5
27.5°	1952.5	1798.9	1712.0	1644.0	1515.0	1400.8	1277.2	1191.6	1119.6	1054.4	1001.4
30°	1953.8	1762.2	1686.1	1604.6	1479.6	1358.7	1243.2	1156.3	1080.2	1009.5	962.0
32.5°	1949.7	1732.3	1637.2	1563.9	1423.9	1317.9	1203.8	1111.4	1034.0	968.8	923.9
35°	1940.2	1697.0	1587.0	1494.6	1366.9	1259.5	1167.1	1072.0	989.1	929.4	877.7
37.5°	1914.4	1659.0	1534.0	1442.9	1300.3	1191.6	1110.1	1031.3	951.1	880.4	837.0
40°	1895.4	1607.3	1481.0	1381.8	1228.3	1122.3	1054.4	979.6	900.8	837.0	794.8
42.5°	1851.9	1558.4	1426.6	1308.4	1157.6	1048.9	985.1	925.3	857.3	794.8	756.8
45°	1781.3	1505.4	1360.1	1240.5	1080.2	976.9	918.5	869.6	809.8	750.0	712.0
47.5°	1682.1	1429.4	1289.4	1169.8	1004.1	899.5	841.0	804.4	756.8	706.5	673.9
50°	1574.7	1346.5	1217.4	1099.2	930.7	828.8	771.7	737.8	706.5	660.3	629.1
52.5°	1434.8	1258.2	1134.5	1021.7	851.9	754.1	703.8	679.4	646.7	614.1	587.0
55°	1298.9	1144.0	1042.1	934.8	774.5	683.4	634.5	608.7	589.7	562.5	540.8
57.5°	1141.3	1038.0	944.3	846.5	702.4	619.6	573.4	542.1	529.9	517.7	497.3
60°	995.9	917.1	841.0	759.5	627.7	553.0	508.2	483.7	471.5	463.3	449.7
62.5°	862.8	801.6	736.4	671.2	551.6	483.7	449.7	425.3	414.4	413.0	400.8
65°	735.1	691.6	638.6	574.7	481.0	421.2	388.6	373.6	361.4	361.4	351.9
67.5°	607.3	577.4	535.3	490.5	417.1	361.4	331.5	317.9	311.1	311.1	304.3
70°	505.4	485.1	447.0	407.6	343.8	301.6	278.5	266.3	262.2	263.6	258.2
72.5°	410.3	388.6	357.3	328.8	281.3	250.0	233.7	220.1	213.3	214.7	213.3
75°	317.9	307.1	279.9	258.2	220.1	198.4	183.4	176.6	171.2	172.6	169.8
77.5°	239.1	222.8	207.9	192.9	169.8	152.2	139.9	133.2	129.1	129.1	129.1
80°	163.0	160.3	148.1	139.9	120.9	107.3	97.8	96.5	92.4	92.4	92.4
82.5°	106.0	99.2	92.4	87.0	76.1	67.9	63.9	61.1	59.8	58.4	61.1
85°	58.4	54.3	51.6	46.2	42.1	38.0	34.0	32.6	31.3	32.6	31.3
87.5°	23.1	19.0	19.0	17.7	16.3	14.9	14.9	12.2	12.2	10.9	10.9
90°	8.8	7.1	6.3	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4
92.5°	11.5	10.4	9.8	10.2	10.9	11.7	12.4	13.2	12.4	11.7	10.9
95°	13.6	12.2	11.5	14.1	19.3	24.6	29.8	35.0	29.8	24.6	19.3
97.5°	37.9	44.4	47.6	49.4	53.0	56.5	60.1	63.7	60.1	56.5	53.0
100°	78.6	98.5	108.5	107.2	104.7	102.1	99.6	97.0	99.6	102.1	104.7
102.5°	109.1	131.3	142.4	141.6	139.9	138.2	136.6	134.9	136.6	138.2	139.9
105°	160.2	171.7	177.4	176.7	175.3	173.9	172.5	171.1	172.5	173.9	175.3
107.5°	217.6	215.7	214.7	214.1	213.0	211.8	210.7	209.5	210.7	211.8	213.0
110°	254.7	253.3	252.6	252.1	251.1	250.0	249.0	248.0	249.0	250.0	251.1

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	290.8	289.4	288.7	288.3	287.4	286.5	285.6	284.7	285.6	286.5	287.4
115°	326.0	324.9	324.3	323.9	323.2	322.4	321.7	320.9	321.7	322.4	323.2
117.5°	361.5	360.8	360.5	360.1	359.2	358.3	357.4	356.5	357.4	358.3	359.2
120°	395.0	394.6	394.4	393.8	392.7	391.5	390.4	389.2	390.4	391.5	392.7
122.5°	427.3	426.8	426.5	426.1	425.2	424.3	423.4	422.5	423.4	424.3	425.2
125°	457.7	457.2	456.9	456.4	455.4	454.3	453.3	452.3	453.3	454.3	455.4
127.5°	487.7	487.1	486.8	486.3	485.3	484.2	483.2	482.2	483.2	484.2	485.3
130°	515.1	514.6	514.3	513.8	512.8	511.7	510.7	509.7	510.7	511.7	512.8
132.5°	541.3	540.9	540.7	540.2	539.2	538.1	537.1	536.1	537.1	538.1	539.2
135°	567.4	566.9	566.6	566.2	565.4	564.7	563.9	563.1	563.9	564.7	565.4
137.5°	591.1	590.8	590.7	590.2	589.2	588.1	587.1	586.1	587.1	588.1	589.2
140°	613.1	612.7	612.5	612.1	611.3	610.6	609.8	609.0	609.8	610.6	611.3
142.5°	634.3	633.9	633.7	633.3	632.6	631.8	631.1	630.3	631.1	631.8	632.6
145°	654.2	653.9	653.8	653.4	652.5	651.6	650.7	649.8	650.7	651.6	652.5
147.5°	672.0	671.7	671.6	671.3	670.6	670.0	669.3	668.7	669.3	670.0	670.6
150°	688.1	687.8	687.7	687.5	687.1	686.8	686.4	686.0	686.4	686.8	687.1
152.5°	702.2	702.1	702.0	701.9	701.8	701.7	701.6	701.5	701.6	701.7	701.8
155°	714.9	714.8	714.7	714.8	715.1	715.3	715.6	715.8	715.6	715.3	715.1
157.5°	727.1	727.2	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3
160°	736.8	736.9	737.0	737.1	737.2	737.3	737.5	737.6	737.5	737.3	737.2
162.5°	745.5	745.6	745.7	745.9	746.3	746.6	747.0	747.4	747.0	746.6	746.3
165°	752.9	753.0	753.1	753.3	753.7	754.0	754.4	754.8	754.4	754.0	753.7
167.5°	758.9	758.9	758.9	759.2	759.7	760.2	760.7	761.2	760.7	760.2	759.7
170°	764.0	764.0	764.0	764.3	764.8	765.3	765.8	766.3	765.8	765.3	764.8
172.5°	767.1	767.0	766.9	767.2	767.9	768.5	769.2	769.8	769.2	768.5	767.9
175°	770.0	769.9	769.8	770.1	770.7	771.4	772.0	772.6	772.0	771.4	770.7
177.5°	771.1	771.0	770.9	771.2	771.9	772.5	773.2	773.8	773.2	772.5	771.9
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1380.4	1379.1	1381.8	1373.6	1360.1	1353.3	1334.2	1330.2	1328.8	1330.2	1331.5
5°	1342.4	1341.0	1337.0	1323.4	1307.1	1294.8	1271.7	1270.4	1262.2	1254.1	1258.2
7.5°	1305.7	1300.3	1292.1	1274.5	1252.7	1239.1	1220.1	1206.5	1195.7	1188.9	1183.4
10°	1269.0	1260.9	1252.7	1229.6	1202.4	1182.1	1159.0	1148.1	1135.9	1130.4	1125.0
12.5°	1221.5	1213.3	1198.4	1171.2	1154.9	1129.1	1106.0	1095.1	1088.3	1077.4	1070.7
15°	1183.4	1167.1	1159.0	1130.4	1096.5	1093.8	1051.6	1048.9	1035.3	1035.3	1024.5
17.5°	1139.9	1127.7	1112.8	1084.2	1059.8	1035.3	1013.6	1005.4	993.2	990.5	985.1
20°	1097.8	1081.5	1076.1	1047.6	1021.7	991.9	968.8	960.6	955.2	949.7	953.8
22.5°	1054.4	1040.8	1027.2	1001.4	982.3	952.4	938.9	930.7	922.6	919.8	921.2
25°	1012.2	1000.0	986.4	960.6	940.2	915.8	903.5	899.5	895.4	895.4	894.0
27.5°	971.5	959.2	947.0	923.9	903.5	885.9	876.4	872.3	868.2	870.9	873.6
30°	929.4	918.5	907.6	887.2	870.9	854.6	849.2	846.5	845.1	851.9	851.9
32.5°	891.3	881.8	873.6	854.6	838.3	824.7	820.7	822.0	823.4	827.4	830.2
35°	851.9	845.1	837.0	820.7	807.1	794.8	796.2	796.2	798.9	805.7	811.1
37.5°	816.6	807.1	800.3	786.7	775.8	764.9	769.0	773.1	775.8	784.0	786.7
40°	774.5	770.4	764.9	751.4	741.9	740.5	741.9	744.6	750.0	754.1	758.2
42.5°	740.5	735.1	728.3	717.4	709.2	710.6	712.0	714.7	717.4	724.2	728.3
45°	702.4	698.4	692.9	683.4	676.6	678.0	679.4	679.4	682.1	690.2	692.9
47.5°	660.3	661.7	654.9	645.4	641.3	641.3	641.3	644.0	650.8	653.5	654.9
50°	619.6	616.8	615.5	606.0	603.3	601.9	603.3	604.6	614.1	612.8	616.8
52.5°	576.1	576.1	574.7	569.3	565.2	565.2	562.5	569.3	572.0	574.7	578.8
55°	534.0	529.9	528.5	525.8	520.4	519.0	521.7	529.9	532.6	535.3	539.4
57.5°	487.8	487.8	485.1	481.0	481.0	481.0	481.0	486.4	490.5	493.2	501.4
60°	445.7	440.2	436.1	436.1	436.1	434.8	442.9	442.9	451.1	452.4	455.2
62.5°	395.4	392.7	389.9	391.3	389.9	392.7	395.4	400.8	402.2	406.3	410.3
65°	347.8	347.8	345.1	353.3	347.8	347.8	354.6	354.6	357.3	361.4	366.8
67.5°	301.6	303.0	300.3	300.3	303.0	304.3	305.7	311.1	312.5	317.9	324.7
70°	254.1	256.8	258.2	255.4	258.2	260.9	263.6	264.9	270.4	273.1	277.2
72.5°	212.0	214.7	210.6	212.0	213.3	216.0	217.4	220.1	222.8	231.0	233.7
75°	169.8	168.5	167.1	172.6	169.8	175.3	176.6	176.6	179.3	186.1	188.9
77.5°	130.4	130.4	131.8	129.1	133.2	131.8	133.2	137.2	141.3	141.3	152.2
80°	91.0	93.8	93.8	93.8	95.1	96.5	93.8	100.5	101.9	101.9	106.0
82.5°	58.4	59.8	58.4	61.1	61.1	63.9	62.5	63.9	66.6	69.3	70.7
85°	31.3	31.3	34.0	34.0	32.6	34.0	32.6	34.0	36.7	36.7	38.0
87.5°	10.9	10.9	10.9	10.9	12.2	10.9	12.2	12.2	10.9	10.9	14.9
90°	5.7	6.3	7.1	8.8	10.5	12.1	13.8	14.3	14.8	15.3	15.8
92.5°	10.2	9.8	10.4	11.5	12.6	13.8	14.9	15.8	16.7	17.6	18.5
95°	14.1	11.5	12.2	13.6	15.0	16.4	17.8	18.7	19.6	20.5	21.4
97.5°	49.4	47.6	44.4	37.9	31.4	24.9	18.4	19.4	20.4	21.5	22.5
100°	107.2	108.5	98.5	78.6	58.7	38.8	18.9	19.9	20.9	22.0	23.0
102.5°	141.6	142.4	131.3	109.1	86.9	64.7	42.5	38.3	34.1	29.8	25.6
105°	176.7	177.4	171.7	160.2	148.7	137.2	125.7	103.1	80.5	58.0	35.4
107.5°	214.1	214.7	215.7	217.6	219.5	221.4	223.3	203.7	184.0	164.4	144.7
110°	252.1	252.6	253.3	254.7	256.1	257.5	258.9	254.7	250.5	246.2	242.0

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	288.3	288.7	289.4	290.8	292.2	293.6	295.0	296.2	297.3	298.5	299.6
115°	323.9	324.3	324.9	326.0	327.2	328.3	329.5	330.8	332.0	333.3	334.6
117.5°	360.1	360.5	360.8	361.5	362.1	362.8	363.4	364.4	365.4	366.5	367.5
120°	393.8	394.4	394.6	395.0	395.3	395.7	396.1	397.1	398.1	399.2	400.2
122.5°	426.1	426.5	426.8	427.3	427.8	428.3	428.8	429.4	430.1	430.7	431.4
125°	456.4	456.9	457.2	457.7	458.2	458.7	459.2	459.5	459.7	460.0	460.3
127.5°	486.3	486.8	487.1	487.7	488.4	489.0	489.6	490.0	490.4	490.8	491.2
130°	513.8	514.3	514.6	515.1	515.6	516.1	516.6	517.1	517.6	518.1	518.6
132.5°	540.2	540.7	540.9	541.3	541.7	542.1	542.5	543.0	543.5	544.0	544.5
135°	566.2	566.6	566.9	567.4	567.9	568.4	568.9	569.3	569.7	570.0	570.4
137.5°	590.2	590.7	590.8	591.1	591.3	591.6	591.8	592.4	593.1	593.7	594.4
140°	612.1	612.5	612.7	613.1	613.4	613.8	614.2	614.7	615.2	615.7	616.2
142.5°	633.3	633.7	633.9	634.3	634.6	635.0	635.4	635.8	636.2	636.6	637.0
145°	653.4	653.8	653.9	654.2	654.5	654.7	655.0	655.2	655.5	655.7	656.0
147.5°	671.3	671.6	671.7	672.0	672.3	672.5	672.8	673.0	673.3	673.5	673.8
150°	687.5	687.7	687.8	688.1	688.3	688.6	688.8	689.1	689.3	689.6	689.9
152.5°	701.9	702.0	702.1	702.2	702.3	702.5	702.6	703.1	703.6	704.1	704.6
155°	714.8	714.7	714.8	714.9	715.0	715.1	715.2	715.8	716.5	717.1	717.8
157.5°	727.3	727.3	727.2	727.1	727.0	726.8	726.7	727.5	728.3	729.0	729.8
160°	737.1	737.0	736.9	736.8	736.7	736.6	736.5	737.3	738.0	738.8	739.5
162.5°	745.9	745.7	745.6	745.5	745.4	745.2	745.1	746.0	746.9	747.8	748.7
165°	753.3	753.1	753.0	752.9	752.8	752.6	752.5	753.5	754.5	755.6	756.6
167.5°	759.2	758.9	758.9	758.9	758.9	758.9	758.9	759.9	760.9	762.0	763.0
170°	764.3	764.0	764.0	764.0	764.0	764.0	764.0	765.0	766.0	767.1	768.1
172.5°	767.2	766.9	767.0	767.1	767.2	767.4	767.5	768.5	769.5	770.6	771.6
175°	770.1	769.8	769.9	770.0	770.1	770.2	770.3	771.2	772.1	773.0	773.9
177.5°	771.2	770.9	771.0	771.1	771.2	771.4	771.5	772.5	773.5	774.6	775.6
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1330.2	1331.5	1326.1	1322.0	1332.9	1326.1	1326.1	1327.5	1324.7	1328.8	1327.5
5°	1255.4	1256.8	1247.3	1250.0	1244.6	1243.2	1241.9	1250.0	1248.6	1247.3	1250.0
7.5°	1182.1	1182.1	1178.0	1175.3	1175.3	1171.2	1176.6	1175.3	1178.0	1178.0	1182.1
10°	1120.9	1123.6	1116.9	1110.1	1108.7	1110.1	1110.1	1111.4	1112.8	1122.3	1120.9
12.5°	1070.7	1066.6	1065.2	1061.1	1054.4	1051.6	1048.9	1063.9	1059.8	1059.8	1059.8
15°	1014.9	1024.5	1023.1	1010.9	1008.2	1013.6	1010.9	1010.9	1024.5	1023.1	1021.7
17.5°	985.1	982.3	979.6	972.8	974.2	972.8	974.2	974.2	982.3	982.3	982.3
20°	951.1	945.7	945.7	942.9	942.9	938.9	944.3	945.7	951.1	951.1	952.4
22.5°	921.2	917.1	917.1	915.8	918.5	913.0	918.5	919.8	919.8	923.9	923.9
25°	895.4	892.7	892.7	895.4	895.4	895.4	895.4	900.8	896.7	898.1	896.7
27.5°	872.3	873.6	875.0	876.4	875.0	876.4	877.7	880.4	881.8	880.4	877.7
30°	850.5	854.6	856.0	856.0	858.7	860.1	861.4	861.4	862.8	858.7	861.4
32.5°	834.2	834.2	837.0	838.3	841.0	842.4	842.4	845.1	843.8	839.7	841.0
35°	811.1	811.1	816.6	819.3	823.4	822.0	823.4	823.4	824.7	822.0	817.9
37.5°	788.0	790.8	790.8	796.2	797.6	798.9	797.6	800.3	798.9	796.2	794.8
40°	760.9	759.5	760.9	764.9	766.3	766.3	766.3	769.0	769.0	769.0	767.7
42.5°	726.9	731.0	729.6	733.7	732.3	732.3	735.1	737.8	739.1	735.1	736.4
45°	694.3	694.3	697.0	697.0	698.4	698.4	703.8	701.1	703.8	701.1	702.4
47.5°	659.0	660.3	660.3	661.7	664.4	667.1	664.4	665.8	665.8	667.1	664.4
50°	619.6	619.6	622.3	626.4	631.8	629.1	627.7	633.2	629.1	629.1	626.4
52.5°	578.8	582.9	584.2	588.3	592.4	593.8	595.1	592.4	593.8	589.7	591.0
55°	539.4	540.8	546.2	550.3	554.3	554.3	553.0	554.3	555.7	550.3	550.3
57.5°	500.0	504.1	509.5	509.5	514.9	514.9	513.6	513.6	514.9	510.9	509.5
60°	457.9	462.0	468.8	468.8	476.9	478.3	475.5	472.8	472.8	468.8	470.1
62.5°	413.0	417.1	421.2	428.0	433.4	430.7	436.1	430.7	432.1	423.9	423.9
65°	373.6	375.0	381.8	388.6	388.6	391.3	388.6	389.9	385.9	385.9	380.4
67.5°	327.4	327.4	334.2	341.0	347.8	347.8	347.8	343.8	343.8	339.7	339.7
70°	286.7	285.3	292.1	296.2	300.3	301.6	298.9	297.6	294.8	290.8	289.4
72.5°	236.4	239.1	245.9	248.6	255.4	254.1	260.9	252.7	252.7	245.9	244.6
75°	191.6	194.3	201.1	205.2	209.2	209.2	213.3	209.2	203.8	201.1	199.7
77.5°	152.2	150.8	156.3	163.0	164.4	163.0	165.8	164.4	159.0	159.0	156.3
80°	108.7	112.8	118.2	116.8	122.3	120.9	120.9	118.2	118.2	114.1	116.8
82.5°	72.0	76.1	77.4	76.1	77.4	80.2	81.5	80.2	80.2	77.4	78.8
85°	38.0	38.0	40.8	42.1	40.8	40.8	42.1	46.2	43.5	40.8	43.5
87.5°	12.2	10.9	10.9	12.2	10.9	10.9	12.2	12.2	13.6	13.6	13.6
90°	16.1	16.2	16.5	16.7	17.0	17.2	17.0	16.7	16.5	16.2	16.1
92.5°	18.9	19.0	19.1	19.2	19.4	19.5	19.4	19.2	19.1	19.0	18.9
95°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
97.5°	23.0	23.1	23.2	23.3	23.4	23.5	23.4	23.3	23.2	23.1	23.0
100°	23.5	23.6	23.7	23.8	24.0	24.1	24.0	23.8	23.7	23.6	23.5
102.5°	23.5	23.6	23.9	24.2	24.4	24.7	24.4	24.2	23.9	23.6	23.5
105°	24.1	24.2	24.5	24.8	25.0	25.3	25.0	24.8	24.5	24.2	24.1
107.5°	134.9	126.5	109.8	93.1	76.4	59.7	76.4	93.1	109.8	126.5	134.9
110°	239.9	230.8	212.6	194.3	176.1	157.9	176.1	194.3	212.6	230.8	239.9

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	300.2	300.1	299.8	299.6	299.3	299.1	299.3	299.6	299.8	300.1	300.2
115°	335.2	335.5	336.0	336.5	337.0	337.5	337.0	336.5	336.0	335.5	335.2
117.5°	368.0	368.1	368.2	368.3	368.4	368.5	368.4	368.3	368.2	368.1	368.0
120°	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7
122.5°	431.7	431.8	431.9	432.0	432.1	432.2	432.1	432.0	431.9	431.8	431.7
125°	460.4	460.5	460.8	461.0	461.3	461.5	461.3	461.0	460.8	460.5	460.4
127.5°	491.4	491.3	491.0	490.7	490.5	490.2	490.5	490.7	491.0	491.3	491.4
130°	518.9	518.8	518.5	518.3	518.0	517.8	518.0	518.3	518.5	518.8	518.9
132.5°	544.8	544.6	544.2	543.8	543.4	543.0	543.4	543.8	544.2	544.6	544.8
135°	570.6	570.4	570.0	569.7	569.3	568.9	569.3	569.7	570.0	570.4	570.6
137.5°	594.7	594.6	594.3	594.0	593.8	593.5	593.8	594.0	594.3	594.6	594.7
140°	616.5	616.4	616.1	615.9	615.6	615.4	615.6	615.9	616.1	616.4	616.5
142.5°	637.2	637.0	636.6	636.2	635.8	635.4	635.8	636.2	636.6	637.0	637.2
145°	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1
147.5°	673.9	673.6	672.9	672.3	671.6	671.0	671.6	672.3	672.9	673.6	673.9
150°	690.0	689.8	689.4	689.1	688.7	688.3	688.7	689.1	689.4	689.8	690.0
152.5°	704.9	704.6	703.9	703.3	702.6	702.0	702.6	703.3	703.9	704.6	704.9
155°	718.1	717.7	717.0	716.2	715.5	714.7	715.5	716.2	717.0	717.7	718.1
157.5°	730.2	729.7	728.7	727.6	726.6	725.6	726.6	727.6	728.7	729.7	730.2
160°	739.9	739.5	738.6	737.7	736.8	735.9	736.8	737.7	738.6	739.5	739.9
162.5°	749.1	748.7	748.0	747.2	746.5	745.7	746.5	747.2	748.0	748.7	749.1
165°	757.1	756.7	755.8	754.9	754.0	753.1	754.0	754.9	755.8	756.7	757.1
167.5°	763.5	763.0	762.0	760.9	759.9	758.9	759.9	760.9	762.0	763.0	763.5
170°	768.6	768.1	767.1	766.0	765.0	764.0	765.0	766.0	767.1	768.1	768.6
172.5°	772.1	771.5	770.4	769.2	768.1	766.9	768.1	769.2	770.4	771.5	772.1
175°	774.4	773.9	772.9	771.8	770.8	769.8	770.8	771.8	772.9	773.9	774.4
177.5°	776.1	775.5	774.2	772.9	771.6	770.3	771.6	772.9	774.2	775.5	776.1
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1331.5	1334.2	1335.6	1330.2	1326.1	1332.9	1342.4	1349.2	1354.6	1361.4	1365.5
5°	1252.7	1262.2	1262.2	1264.9	1269.0	1275.8	1293.5	1305.7	1316.6	1324.7	1331.5
7.5°	1186.1	1192.9	1197.0	1203.8	1210.6	1220.1	1240.5	1258.2	1274.5	1284.0	1294.8
10°	1126.4	1131.8	1138.6	1142.7	1154.9	1168.5	1194.3	1209.2	1228.3	1243.2	1256.8
12.5°	1069.3	1088.3	1092.4	1091.0	1101.9	1116.9	1142.7	1165.8	1186.1	1201.1	1216.0
15°	1028.5	1035.3	1043.5	1042.1	1065.2	1069.3	1091.0	1118.2	1145.4	1154.9	1168.5
17.5°	983.7	994.6	1002.7	1006.8	1013.6	1028.5	1048.9	1069.3	1104.6	1106.0	1141.3
20°	948.4	959.2	964.7	970.1	974.2	991.9	1009.5	1032.6	1061.1	1076.1	1095.1
22.5°	925.3	930.7	934.8	938.9	944.3	953.8	975.5	1001.4	1020.4	1036.7	1048.9
25°	898.1	903.5	909.0	911.7	915.8	921.2	937.5	957.9	985.1	995.9	1008.2
27.5°	879.1	879.1	881.8	881.8	887.2	892.7	904.9	923.9	945.7	959.2	975.5
30°	858.7	857.3	858.7	857.3	856.0	864.1	875.0	891.3	906.3	922.6	933.4
32.5°	838.3	837.0	837.0	838.3	832.9	837.0	842.4	857.3	873.6	881.8	894.0
35°	816.6	813.9	813.9	813.9	811.1	808.4	813.9	827.4	838.3	849.2	858.7
37.5°	794.8	790.8	790.8	788.0	785.3	781.3	781.3	792.1	807.1	811.1	823.4
40°	764.9	764.9	762.2	760.9	758.2	755.4	751.4	760.9	774.5	778.5	788.0
42.5°	735.1	731.0	729.6	729.6	729.6	725.5	722.8	729.6	737.8	744.6	750.0
45°	701.1	698.4	699.7	698.4	695.7	694.3	692.9	695.7	705.2	707.9	714.7
47.5°	664.4	663.0	663.0	661.7	660.3	661.7	656.3	663.0	665.8	668.5	673.9
50°	626.4	625.0	623.6	622.3	622.3	623.6	622.3	622.3	627.7	630.4	635.9
52.5°	588.3	584.2	584.2	582.9	582.9	580.2	582.9	584.2	587.0	589.7	592.4
55°	547.6	547.6	543.5	543.5	540.8	540.8	542.1	540.8	546.2	548.9	548.9
57.5°	508.2	502.7	504.1	501.4	498.6	497.3	497.3	500.0	502.7	502.7	505.4
60°	466.0	460.6	459.2	453.8	456.5	452.4	453.8	453.8	459.2	456.5	459.2
62.5°	423.9	417.1	413.0	410.3	410.3	411.7	409.0	407.6	410.3	413.0	418.5
65°	379.1	375.0	370.9	366.8	366.8	365.5	368.2	364.1	362.8	364.1	366.8
67.5°	332.9	328.8	324.7	320.7	322.0	317.9	315.2	319.3	316.6	317.9	320.7
70°	288.0	285.3	277.2	274.5	273.1	274.5	273.1	270.4	274.5	273.1	274.5
72.5°	243.2	240.5	236.4	229.6	229.6	228.3	226.9	226.9	225.5	225.5	225.5
75°	199.7	194.3	190.2	188.9	186.1	184.8	183.4	180.7	182.1	183.4	180.7
77.5°	154.9	148.1	146.7	146.7	142.7	142.7	144.0	142.7	141.3	141.3	141.3
80°	114.1	108.7	108.7	106.0	103.3	103.3	103.3	103.3	101.9	100.5	101.9
82.5°	73.4	72.0	70.7	70.7	73.4	67.9	70.7	69.3	67.9	67.9	66.6
85°	40.8	42.1	40.8	42.1	39.4	40.8	40.8	40.8	39.4	40.8	38.0
87.5°	14.9	14.9	14.9	16.3	16.3	16.3	16.3	16.3	17.7	16.3	16.3
90°	15.8	15.3	14.8	14.3	13.8	12.1	10.5	8.8	7.1	6.3	5.7
92.5°	18.5	17.6	16.7	15.8	14.9	13.8	12.6	11.5	10.4	9.8	10.2
95°	21.4	20.5	19.6	18.7	17.8	16.4	15.0	13.6	12.2	11.5	14.1
97.5°	22.5	21.5	20.4	19.4	18.4	24.9	31.4	37.9	44.4	47.6	49.4
100°	23.0	22.0	20.9	19.9	18.9	38.8	58.7	78.6	98.5	108.5	107.2
102.5°	25.6	29.8	34.1	38.3	42.5	64.7	86.9	109.1	131.3	142.4	141.6
105°	35.4	58.0	80.5	103.1	125.7	137.2	148.7	160.2	171.7	177.4	176.7
107.5°	144.7	164.4	184.0	203.7	223.3	221.4	219.5	217.6	215.7	214.7	214.1
110°	242.0	246.2	250.5	254.7	258.9	257.5	256.1	254.7	253.3	252.6	252.1

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	299.6	298.5	297.3	296.2	295.0	293.6	292.2	290.8	289.4	288.7	288.3
115°	334.6	333.3	332.0	330.8	329.5	328.3	327.2	326.0	324.9	324.3	323.9
117.5°	367.5	366.5	365.4	364.4	363.4	362.8	362.1	361.5	360.8	360.5	360.1
120°	400.2	399.2	398.1	397.1	396.1	395.7	395.3	395.0	394.6	394.4	393.8
122.5°	431.4	430.7	430.1	429.4	428.8	428.3	427.8	427.3	426.8	426.5	426.1
125°	460.3	460.0	459.7	459.5	459.2	458.7	458.2	457.7	457.2	456.9	456.4
127.5°	491.2	490.8	490.4	490.0	489.6	489.0	488.4	487.7	487.1	486.8	486.3
130°	518.6	518.1	517.6	517.1	516.6	516.1	515.6	515.1	514.6	514.3	513.8
132.5°	544.5	544.0	543.5	543.0	542.5	542.1	541.7	541.3	540.9	540.7	540.2
135°	570.4	570.0	569.7	569.3	568.9	568.4	567.9	567.4	566.9	566.6	566.2
137.5°	594.4	593.7	593.1	592.4	591.8	591.6	591.3	591.1	590.8	590.7	590.2
140°	616.2	615.7	615.2	614.7	614.2	613.8	613.4	613.1	612.7	612.5	612.1
142.5°	637.0	636.6	636.2	635.8	635.4	635.0	634.6	634.3	633.9	633.7	633.3
145°	656.0	655.7	655.5	655.2	655.0	654.7	654.5	654.2	653.9	653.8	653.4
147.5°	673.8	673.5	673.3	673.0	672.8	672.5	672.3	672.0	671.7	671.6	671.3
150°	689.9	689.6	689.3	689.1	688.8	688.6	688.3	688.1	687.8	687.7	687.5
152.5°	704.6	704.1	703.6	703.1	702.6	702.5	702.3	702.2	702.1	702.0	701.9
155°	717.8	717.1	716.5	715.8	715.2	715.1	715.0	714.9	714.8	714.7	714.8
157.5°	729.8	729.0	728.3	727.5	726.7	726.8	727.0	727.1	727.2	727.3	727.3
160°	739.5	738.8	738.0	737.3	736.5	736.6	736.7	736.8	736.9	737.0	737.1
162.5°	748.7	747.8	746.9	746.0	745.1	745.2	745.4	745.5	745.6	745.7	745.9
165°	756.6	755.6	754.5	753.5	752.5	752.6	752.8	752.9	753.0	753.1	753.3
167.5°	763.0	762.0	760.9	759.9	758.9	758.9	758.9	758.9	758.9	758.9	759.2
170°	768.1	767.1	766.0	765.0	764.0	764.0	764.0	764.0	764.0	764.0	764.3
172.5°	771.6	770.6	769.5	768.5	767.5	767.4	767.2	767.1	767.0	766.9	767.2
175°	773.9	773.0	772.1	771.2	770.3	770.2	770.1	770.0	769.9	769.8	770.1
177.5°	775.6	774.6	773.5	772.5	771.5	771.4	771.2	771.1	771.0	770.9	771.2
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1402.2	1402.2	1402.2	1402.2
2.5°	1372.3	1376.4	1390.0	1406.3
5°	1345.1	1356.0	1375.0	1400.8
7.5°	1315.2	1331.5	1358.7	1391.3
10°	1281.3	1304.4	1338.3	1379.1
12.5°	1244.6	1274.5	1317.9	1360.1
15°	1221.5	1251.4	1290.8	1337.0
17.5°	1176.6	1212.0	1252.7	1317.9
20°	1130.4	1169.8	1222.8	1288.0
22.5°	1095.1	1137.2	1187.5	1256.8
25°	1053.0	1096.5	1150.8	1222.8
27.5°	1008.2	1051.6	1112.8	1188.9
30°	974.2	1016.3	1074.7	1156.3
32.5°	933.4	974.2	1035.3	1120.9
35°	887.2	933.4	991.9	1078.8
37.5°	851.9	894.0	955.2	1038.0
40°	813.9	850.5	910.3	991.9
42.5°	773.1	813.9	865.5	947.0
45°	735.1	764.9	817.9	895.4
47.5°	694.3	728.3	769.0	828.8
50°	650.8	679.4	724.2	764.9
52.5°	608.7	631.8	669.8	701.1
55°	563.9	587.0	615.5	634.5
57.5°	521.7	538.0	557.1	569.3
60°	470.1	486.4	498.6	510.9
62.5°	423.9	436.1	442.9	449.7
65°	376.4	383.2	387.2	392.7
67.5°	324.7	331.5	332.9	341.0
70°	277.2	278.5	281.3	285.3
72.5°	232.3	235.1	233.7	236.4
75°	186.1	188.9	186.1	188.9
77.5°	141.3	144.0	144.0	148.1
80°	101.9	103.3	104.6	104.6
82.5°	66.6	70.7	67.9	69.3
85°	38.0	39.4	39.4	40.8
87.5°	17.7	19.0	17.7	20.4
90°	4.4	3.1	1.9	0.6
92.5°	10.9	11.7	12.4	13.2
95°	19.3	24.6	29.8	35.0
97.5°	53.0	56.5	60.1	63.7
100°	104.7	102.1	99.6	97.0
102.5°	139.9	138.2	136.6	134.9
105°	175.3	173.9	172.5	171.1
107.5°	213.0	211.8	210.7	209.5
110°	251.1	250.0	249.0	248.0

TEST NUMBER: P1010441

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	287.4	286.5	285.6	284.7
115°	323.2	322.4	321.7	320.9
117.5°	359.2	358.3	357.4	356.5
120°	392.7	391.5	390.4	389.2
122.5°	425.2	424.3	423.4	422.5
125°	455.4	454.3	453.3	452.3
127.5°	485.3	484.2	483.2	482.2
130°	512.8	511.7	510.7	509.7
132.5°	539.2	538.1	537.1	536.1
135°	565.4	564.7	563.9	563.1
137.5°	589.2	588.1	587.1	586.1
140°	611.3	610.6	609.8	609.0
142.5°	632.6	631.8	631.1	630.3
145°	652.5	651.6	650.7	649.8
147.5°	670.6	670.0	669.3	668.7
150°	687.1	686.8	686.4	686.0
152.5°	701.8	701.7	701.6	701.5
155°	715.1	715.3	715.6	715.8
157.5°	727.3	727.3	727.3	727.3
160°	737.2	737.3	737.5	737.6
162.5°	746.3	746.6	747.0	747.4
165°	753.7	754.0	754.4	754.8
167.5°	759.7	760.2	760.7	761.2
170°	764.8	765.3	765.8	766.3
172.5°	767.9	768.5	769.2	769.8
175°	770.7	771.4	772.0	772.6
177.5°	771.9	772.5	773.2	773.8
180°	772.6	772.6	772.6	772.6

(END OF REPORT)