

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: P1010425

Luminaire Tested: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010425
REPORT IS A COMBINATION OF REPORTS P989149 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

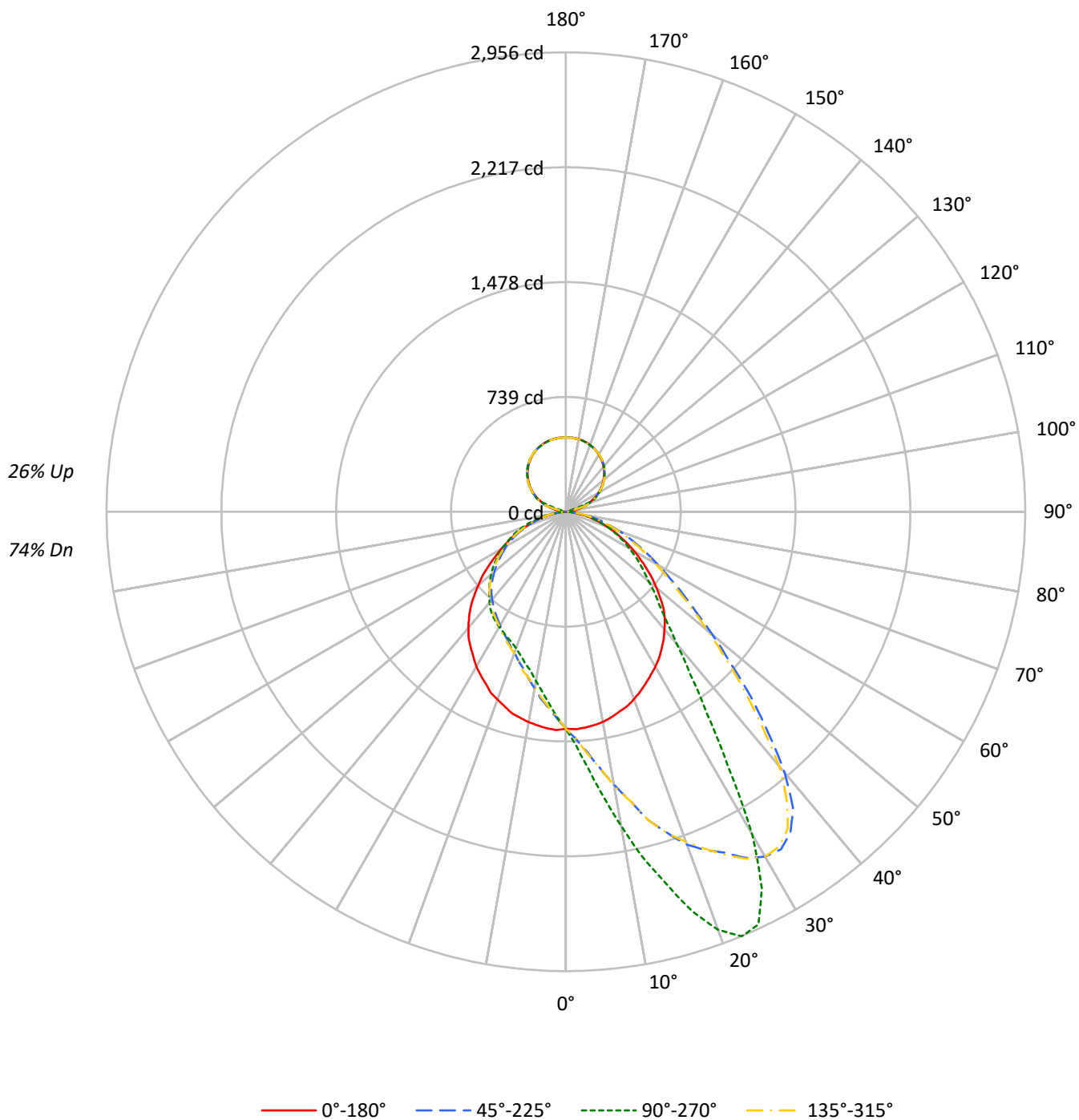
Lumens per Lamp: N/A
Luminaire Lumens: 5674.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 56.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78
1	104	99	95	92	98	95	91	88	86	83	81	78	76	74	70	69	67
2	95	87	81	76	90	83	78	73	76	71	67	69	65	62	62	59	57
3	87	77	70	64	82	74	67	61	67	62	57	61	57	53	55	52	49
4	80	69	60	54	75	66	58	53	60	54	49	55	50	46	50	46	43
5	73	61	53	47	69	59	51	45	54	47	43	49	44	40	45	41	37
6	68	55	47	41	64	53	45	40	49	42	37	45	39	35	41	36	33
7	63	50	42	36	59	48	41	35	44	38	33	41	35	31	37	33	29
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15029	15029	15029	15029
5°	15039	17316	15082	12923
10°	14943	20955	14958	11285
15°	14737	24851	14856	10158
20°	14559	28611	14590	9348
25°	14294	29332	14326	8925
30°	14106	24234	14106	8647
35°	13872	16208	13786	8402
40°	13592	11700	13425	8027
45°	13241	9267	12860	7561
50°	12386	7870	11945	7103
55°	11448	6916	10982	6593
60°	10497	6022	9937	6056
65°	9452	5156	8995	5341
70°	8366	4281	7810	4503
75°	7155	3228	6691	3475
80°	5657	2154	5217	2283
85°	3900	989	3122	900

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	2.4
10°-20°	441.0	7.8
20°-30°	742.1	13.1
30°-40°	838.6	14.8
40°-50°	751.1	13.2
50°-60°	606.3	10.7
60°-70°	422.5	7.4
70°-80°	221.8	3.9
80°-90°	54.1	1.0
90°-100°	16.9	0.3
100°-110°	81.6	1.4
110°-120°	200.0	3.5
120°-130°	253.8	4.5
130°-140°	271.2	4.8
140°-150°	253.6	4.5
150°-160°	204.5	3.6
160°-170°	132.0	2.3
170°-180°	45.5	0.8
0°-30°	1320.4	23.3
0°-40°	2159.1	38.1
0°-60°	3516.5	62.0
0°-90°	4215.0	74.3
90°-120°	298.5	5.3
90°-150°	1077.0	19.0
90°-180°	1459.0	25.7
0°-180°	5674.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1396	1396	1396	1396	1396	
5°	1395	1659	1399	1238	1395	132
15°	1331	2469	1342	1009	1331	376
25°	1218	2930	1220	892	1218	562
35°	1074	1579	1068	818	1074	672
45°	892	852	866	695	892	682
55°	632	579	606	552	632	566
65°	391	376	372	390	391	389
75°	188	194	176	208	188	202
85°	41	45	32	41	41	47
90°	0	11	0	11	0	4
95°	22	14	22	14	22	26
105°	106	16	106	16	106	112
115°	199	209	199	209	199	196
125°	280	286	280	286	280	250
135°	349	352	349	352	349	269
145°	402	406	402	406	402	252
155°	443	443	443	443	443	204
165°	468	466	468	466	468	132
175°	479	477	479	477	479	46
180°	479	479	479	479	479	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1400.3	1411.1	1416.5	1424.6	1432.7	1444.9	1449.0	1455.7	1453.0	1458.4	1461.2
5°	1394.9	1413.8	1430.0	1450.3	1469.3	1482.8	1496.3	1518.0	1534.2	1536.9	1549.1
7.5°	1385.4	1412.4	1440.9	1469.3	1505.8	1527.4	1551.8	1581.6	1605.9	1645.2	1660.0
10°	1373.2	1411.1	1451.7	1490.9	1541.0	1574.8	1604.6	1654.6	1704.7	1745.3	1783.2
12.5°	1354.3	1401.6	1454.4	1512.6	1577.5	1616.7	1657.3	1723.6	1799.4	1861.6	1902.2
15°	1331.3	1390.8	1458.4	1520.7	1592.4	1665.4	1708.7	1783.2	1891.4	1949.6	2053.7
17.5°	1312.3	1373.2	1440.9	1538.3	1635.7	1708.7	1739.9	1876.5	1950.9	2048.3	2166.0
20°	1282.6	1359.7	1446.3	1543.7	1669.5	1714.2	1777.7	1915.7	2007.7	2134.9	2279.7
22.5°	1251.5	1334.0	1438.2	1539.6	1680.3	1727.7	1814.3	1923.9	2070.0	2195.8	2355.4
25°	1217.6	1306.9	1412.4	1532.9	1670.9	1739.9	1821.0	1956.3	2114.6	2272.9	2420.4
27.5°	1183.8	1281.2	1390.8	1511.2	1645.2	1726.3	1807.5	1948.2	2151.1	2323.0	2511.0
30°	1151.3	1248.7	1358.3	1481.4	1622.2	1700.6	1777.7	1953.6	2179.6	2373.0	2562.4
32.5°	1116.2	1216.3	1331.3	1434.1	1576.2	1660.0	1746.6	1953.6	2197.1	2402.8	2576.0
35°	1074.2	1177.0	1275.8	1378.6	1519.3	1612.7	1710.1	1940.1	2213.4	2412.3	2519.1
37.5°	1033.6	1124.3	1209.5	1309.6	1457.1	1557.2	1669.5	1923.9	2205.3	2371.7	2401.4
40°	987.6	1078.3	1147.3	1240.6	1396.2	1512.6	1626.2	1902.2	2170.1	2275.6	2189.0
42.5°	943.0	1014.7	1074.2	1164.9	1334.0	1447.6	1570.7	1863.0	2101.1	2122.7	1927.9
45°	891.6	943.0	995.7	1098.6	1266.3	1382.7	1519.3	1806.1	1990.1	1927.9	1681.7
47.5°	825.3	871.3	929.5	1024.2	1194.6	1315.0	1444.9	1733.1	1829.1	1699.3	1430.0
50°	761.7	800.9	855.0	947.0	1118.9	1236.6	1374.6	1618.1	1665.4	1461.2	1232.5
52.5°	698.1	727.9	780.6	872.6	1044.5	1158.1	1283.9	1500.4	1473.3	1254.2	1051.2
55°	631.8	657.5	707.6	798.2	957.9	1066.1	1186.5	1355.6	1285.3	1076.9	914.6
57.5°	566.9	593.9	645.3	721.1	871.3	976.8	1072.9	1205.5	1099.9	933.5	790.1
60°	508.7	531.7	570.9	645.3	782.0	867.2	955.2	1045.8	957.9	796.9	687.3
62.5°	447.8	469.5	506.0	573.6	691.3	767.1	837.5	911.9	814.5	696.8	599.3
65°	391.0	408.6	442.4	504.6	600.7	662.9	719.8	771.2	692.7	584.5	511.4
67.5°	339.6	354.5	382.9	438.3	519.5	564.2	610.2	653.5	587.2	500.6	438.3
70°	284.1	296.3	322.0	362.6	427.5	473.5	507.3	539.8	480.3	411.3	369.3
72.5°	235.4	247.6	263.8	305.8	350.4	378.8	415.3	432.9	399.1	342.3	300.3
75°	188.1	197.5	212.4	239.5	281.4	300.3	323.3	336.9	305.8	267.9	242.2
77.5°	147.5	151.5	162.4	181.3	209.7	231.3	248.9	257.1	235.4	211.1	189.4
80°	104.2	109.6	117.7	133.9	155.6	162.4	173.2	182.6	169.1	147.5	133.9
82.5°	69.0	75.8	79.8	86.6	100.1	108.2	110.9	119.1	106.9	98.8	93.4
85°	40.6	43.3	44.6	48.7	55.5	59.5	63.6	64.9	62.2	60.9	55.5
87.5°	20.3	20.3	20.3	23.0	24.4	27.1	28.4	28.4	28.4	27.1	25.7
90°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.4	6.5	7.5	8.5
92.5°	8.2	7.7	7.2	6.7	6.2	6.0	6.4	7.1	7.8	8.5	9.2
95°	21.7	18.5	15.2	12.0	8.7	7.1	7.5	8.4	9.3	10.1	11.0
97.5°	39.5	37.3	35.1	32.8	30.6	29.5	27.5	23.5	19.4	15.4	11.4
100°	60.1	61.7	63.3	64.8	66.4	67.2	61.0	48.7	36.4	24.0	11.7
102.5°	83.6	84.6	85.6	86.7	87.7	88.2	81.3	67.6	53.8	40.1	26.3
105°	106.0	106.9	107.7	108.6	109.5	109.9	106.3	99.2	92.1	85.0	77.9
107.5°	129.8	130.5	131.2	131.9	132.6	133.0	133.6	134.8	135.9	137.1	138.3
110°	153.6	154.2	154.9	155.5	156.2	156.5	156.9	157.8	158.7	159.5	160.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.4	177.0	177.5	178.1	178.6	178.9	179.3	180.2	181.1	181.9	182.8
115°	198.8	199.3	199.7	200.2	200.7	200.9	201.3	202.0	202.7	203.4	204.1
117.5°	220.8	221.4	221.9	222.5	223.0	223.3	223.5	223.9	224.3	224.7	225.1
120°	241.1	241.8	242.5	243.2	243.9	244.3	244.4	244.6	244.9	245.1	245.3
122.5°	261.7	262.3	262.8	263.4	263.9	264.2	264.4	264.7	265.0	265.3	265.6
125°	280.2	280.8	281.4	282.1	282.7	283.0	283.2	283.5	283.8	284.2	284.5
127.5°	298.7	299.3	299.9	300.6	301.2	301.5	301.7	302.1	302.5	302.9	303.3
130°	315.7	316.3	317.0	317.6	318.3	318.6	318.8	319.1	319.4	319.7	320.0
132.5°	332.1	332.7	333.3	334.0	334.6	334.9	335.0	335.3	335.5	335.8	336.0
135°	348.8	349.3	349.7	350.2	350.7	350.9	351.1	351.4	351.7	352.1	352.4
137.5°	363.0	363.6	364.3	364.9	365.6	365.9	366.0	366.1	366.3	366.4	366.6
140°	377.3	377.8	378.2	378.7	379.2	379.4	379.5	379.8	380.0	380.3	380.5
142.5°	390.4	390.9	391.3	391.8	392.3	392.5	392.6	392.9	393.1	393.4	393.6
145°	402.5	403.1	403.6	404.2	404.7	405.0	405.1	405.2	405.4	405.5	405.7
147.5°	414.2	414.6	415.0	415.4	415.8	416.0	416.1	416.2	416.4	416.5	416.7
150°	424.9	425.1	425.4	425.6	425.9	426.0	426.1	426.2	426.4	426.5	426.7
152.5°	434.5	434.6	434.7	434.8	434.9	434.9	434.9	435.0	435.1	435.1	435.2
155°	443.4	443.2	443.1	442.9	442.8	442.7	442.7	442.8	442.9	442.9	443.0
157.5°	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.4	450.3	450.3	450.2
160°	456.9	456.8	456.8	456.7	456.6	456.6	456.6	456.5	456.4	456.3	456.2
162.5°	463.0	462.8	462.5	462.3	462.0	461.9	461.9	461.8	461.7	461.6	461.5
165°	467.6	467.4	467.1	466.9	466.6	466.5	466.5	466.4	466.3	466.3	466.2
167.5°	471.5	471.2	470.9	470.6	470.3	470.1	470.1	470.1	470.1	470.1	470.1
170°	474.7	474.4	474.1	473.8	473.5	473.3	473.3	473.3	473.3	473.3	473.3
172.5°	476.8	476.4	476.0	475.6	475.2	475.0	475.0	475.1	475.2	475.3	475.4
175°	478.6	478.2	477.8	477.4	477.0	476.8	476.8	476.9	477.0	477.1	477.2
177.5°	479.3	478.9	478.5	478.1	477.7	477.5	477.5	477.6	477.7	477.8	477.9
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1470.6	1473.3	1482.8	1489.6	1503.1	1501.7	1501.7	1500.4	1496.3	1503.1	1507.2
5°	1573.4	1596.4	1599.2	1628.9	1630.3	1642.4	1650.6	1643.8	1660.0	1658.7	1646.5
7.5°	1700.6	1731.7	1746.6	1775.0	1807.5	1799.4	1830.5	1835.9	1833.2	1846.7	1856.2
10°	1840.0	1894.1	1932.0	1984.7	1998.3	2006.4	2026.7	2044.3	2079.4	2052.4	2070.0
12.5°	1999.6	2038.9	2088.9	2172.8	2214.7	2241.8	2251.3	2263.4	2287.8	2272.9	2274.3
15°	2133.6	2186.3	2271.6	2375.7	2387.9	2421.7	2413.6	2486.7	2521.8	2469.1	2498.8
17.5°	2272.9	2343.3	2444.7	2535.4	2586.8	2609.8	2631.4	2701.8	2699.1	2691.0	2697.7
20°	2362.2	2477.2	2603.0	2723.4	2738.3	2755.9	2814.1	2843.8	2838.4	2861.4	2876.3
22.5°	2488.0	2609.8	2743.7	2823.5	2857.4	2877.7	2923.7	2942.6	2950.7	2956.1	2946.7
25°	2593.5	2723.4	2822.2	2892.5	2912.8	2923.7	2938.5	2944.0	2939.9	2930.4	2938.5
27.5°	2665.3	2769.4	2837.1	2869.5	2858.7	2841.1	2812.7	2793.8	2751.8	2731.5	2755.9
30°	2695.0	2741.0	2761.3	2707.2	2653.1	2609.8	2555.7	2455.6	2377.1	2400.1	2369.0
32.5°	2647.7	2617.9	2520.5	2381.1	2339.2	2268.8	2116.0	1998.3	2002.3	1940.1	1965.8
35°	2508.3	2373.0	2189.0	1978.0	1922.5	1884.6	1716.9	1691.2	1637.0	1578.9	1595.1
37.5°	2262.1	2064.6	1841.3	1685.7	1603.2	1520.7	1426.0	1369.2	1336.7	1312.3	1331.3
40°	1961.7	1720.9	1536.9	1397.6	1327.2	1274.5	1209.5	1152.7	1116.2	1112.1	1118.9
42.5°	1666.8	1463.9	1294.7	1162.2	1139.2	1076.9	1035.0	990.3	979.5	961.9	971.4
45°	1411.1	1246.0	1106.7	998.5	971.4	955.2	903.8	875.3	863.2	852.3	868.6
47.5°	1225.7	1052.6	951.1	886.2	859.1	832.0	803.6	784.7	775.2	776.6	775.2
50°	1047.2	920.0	830.7	780.6	764.4	745.5	722.5	710.3	706.2	694.0	703.5
52.5°	901.0	809.0	746.8	699.5	687.3	673.8	654.8	648.0	638.6	635.9	635.9
55°	783.3	711.6	661.6	630.5	615.6	604.8	593.9	585.8	579.1	579.1	579.1
57.5°	691.3	629.1	592.6	565.5	560.1	549.3	537.1	537.1	527.6	526.3	530.3
60°	612.9	557.4	529.0	506.0	497.9	495.2	483.0	483.0	480.3	473.5	478.9
62.5°	533.1	492.5	468.1	450.5	442.4	442.4	432.9	426.2	426.2	427.5	424.8
65°	460.0	430.2	408.6	395.1	391.0	385.6	384.2	378.8	374.8	376.1	374.8
67.5°	395.1	372.1	357.2	346.3	339.6	336.9	332.8	332.8	330.1	331.5	324.7
70°	336.9	313.9	301.7	290.9	288.2	288.2	282.8	284.1	281.4	285.5	282.8
72.5°	277.3	259.8	250.3	246.2	243.5	242.2	239.5	236.8	235.4	238.1	236.8
75°	224.6	209.7	202.9	200.2	197.5	197.5	196.2	194.8	193.5	193.5	193.5
77.5°	174.5	165.1	156.9	159.6	155.6	156.9	152.9	152.9	154.2	152.9	152.9
80°	128.5	121.8	121.8	119.1	113.6	116.4	116.4	112.3	110.9	113.6	109.6
82.5°	85.2	83.9	81.2	79.8	77.1	78.5	77.1	75.8	74.4	77.1	74.4
85°	50.1	50.1	48.7	46.0	48.7	47.4	46.0	46.0	44.6	44.6	44.6
87.5°	25.7	23.0	23.0	21.6	23.0	20.3	21.6	20.3	18.9	20.3	18.9
90°	8.8	9.2	9.5	9.8	10.0	10.1	10.2	10.4	10.5	10.7	10.5
92.5°	9.8	10.3	10.9	11.4	11.7	11.7	11.8	11.9	12.0	12.1	12.0
95°	11.6	12.1	12.7	13.2	13.5	13.5	13.5	13.5	13.5	13.5	13.5
97.5°	12.0	12.6	13.3	13.9	14.2	14.2	14.3	14.4	14.5	14.6	14.5
100°	12.3	13.0	13.6	14.3	14.6	14.6	14.7	14.8	14.8	14.9	14.8
102.5°	23.7	21.1	18.5	15.9	14.6	14.7	14.8	15.0	15.1	15.3	15.1
105°	63.9	49.9	35.9	21.9	14.9	15.0	15.1	15.3	15.4	15.6	15.4
107.5°	126.1	114.0	101.8	89.7	83.6	78.4	68.1	57.7	47.4	37.0	47.4
110°	157.8	155.2	152.5	149.9	148.6	143.0	131.7	120.4	109.1	97.8	109.1

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	183.5	184.2	184.9	185.6	186.0	185.9	185.8	185.6	185.5	185.3	185.5
115°	204.9	205.7	206.5	207.3	207.7	207.9	208.2	208.5	208.8	209.1	208.8
117.5°	225.7	226.3	227.0	227.6	227.9	227.9	228.0	228.1	228.2	228.3	228.2
120°	245.9	246.6	247.2	247.9	248.2	248.2	248.2	248.2	248.2	248.2	248.2
122.5°	266.0	266.4	266.8	267.2	267.4	267.4	267.5	267.6	267.6	267.7	267.6
125°	284.7	284.8	285.0	285.1	285.2	285.3	285.4	285.6	285.7	285.9	285.7
127.5°	303.5	303.8	304.0	304.3	304.4	304.3	304.2	304.0	303.9	303.7	303.9
130°	320.3	320.6	320.9	321.2	321.4	321.3	321.2	321.0	320.9	320.7	320.9
132.5°	336.3	336.6	336.9	337.2	337.4	337.3	337.1	336.8	336.6	336.4	336.6
135°	352.6	352.8	353.1	353.3	353.4	353.3	353.1	352.8	352.6	352.4	352.6
137.5°	367.0	367.4	367.8	368.2	368.4	368.3	368.2	368.0	367.9	367.7	367.9
140°	380.8	381.1	381.4	381.7	381.9	381.8	381.7	381.5	381.4	381.2	381.4
142.5°	393.8	394.1	394.3	394.6	394.7	394.6	394.3	394.1	393.8	393.6	393.8
145°	405.9	406.0	406.2	406.3	406.4	406.4	406.4	406.4	406.4	406.4	406.4
147.5°	416.9	417.0	417.2	417.3	417.4	417.2	416.8	416.5	416.1	415.7	416.1
150°	426.9	427.0	427.2	427.3	427.4	427.3	427.0	426.8	426.5	426.3	426.5
152.5°	435.5	435.8	436.1	436.4	436.6	436.4	436.0	435.7	435.3	434.9	435.3
155°	443.4	443.8	444.2	444.6	444.8	444.6	444.1	443.6	443.2	442.7	443.2
157.5°	450.7	451.1	451.6	452.1	452.3	452.0	451.3	450.7	450.0	449.4	450.0
160°	456.7	457.1	457.6	458.1	458.3	458.0	457.5	456.9	456.4	455.8	456.4
162.5°	462.1	462.6	463.2	463.7	464.0	463.8	463.3	462.8	462.4	461.9	462.4
165°	466.8	467.4	468.1	468.7	469.0	468.7	468.2	467.6	467.1	466.5	467.1
167.5°	470.7	471.3	472.0	472.6	472.9	472.6	472.0	471.3	470.7	470.1	470.7
170°	473.9	474.5	475.2	475.8	476.1	475.8	475.2	474.5	473.9	473.3	473.9
172.5°	476.0	476.6	477.3	477.9	478.2	477.8	477.1	476.4	475.7	475.0	475.7
175°	477.8	478.3	478.9	479.4	479.7	479.4	478.7	478.1	477.4	476.8	477.4
177.5°	478.5	479.1	479.8	480.4	480.7	480.3	479.5	478.8	478.0	477.2	478.0
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1496.3	1500.4	1489.6	1486.9	1486.9	1492.3	1488.2	1451.7	1458.4	1450.3	1447.6
5°	1661.4	1653.3	1642.4	1637.0	1630.3	1611.3	1610.0	1568.0	1559.9	1532.9	1520.7
7.5°	1842.7	1835.9	1803.4	1799.4	1796.7	1779.1	1734.4	1689.8	1657.3	1626.2	1596.4
10°	2049.7	2029.4	2014.5	1984.7	1969.9	1945.5	1887.3	1845.4	1789.9	1742.6	1680.3
12.5°	2298.6	2275.6	2225.6	2203.9	2185.0	2117.3	2059.1	2011.8	1903.6	1871.1	1794.0
15°	2481.3	2432.6	2427.1	2379.8	2377.1	2302.7	2191.7	2140.3	2056.4	1937.4	1857.6
17.5°	2678.8	2635.5	2601.7	2544.8	2536.7	2466.4	2385.2	2259.4	2167.4	2053.7	1952.3
20°	2823.5	2800.5	2742.4	2719.4	2672.0	2612.5	2528.6	2373.0	2260.7	2147.1	2022.6
22.5°	2938.5	2915.5	2869.5	2838.4	2811.4	2734.3	2634.1	2501.6	2347.3	2198.5	2070.0
25°	2937.2	2930.4	2911.5	2896.6	2876.3	2819.5	2735.6	2608.4	2436.6	2272.9	2094.3
27.5°	2770.8	2789.7	2822.2	2838.4	2834.4	2826.3	2778.9	2672.0	2517.8	2323.0	2122.7
30°	2424.4	2493.4	2554.3	2635.5	2659.8	2719.4	2746.4	2685.5	2562.4	2381.1	2159.3
32.5°	2010.4	2110.6	2243.1	2287.8	2364.9	2479.9	2608.4	2631.4	2554.3	2415.0	2182.3
35°	1649.2	1731.7	1834.6	1904.9	1973.9	2160.6	2323.0	2463.7	2489.4	2397.4	2176.9
37.5°	1365.1	1423.3	1513.9	1573.4	1637.0	1796.7	2024.0	2206.6	2335.1	2337.8	2162.0
40°	1159.5	1185.2	1263.6	1306.9	1367.8	1505.8	1708.7	1946.9	2134.9	2221.5	2122.7
42.5°	982.2	1016.0	1081.0	1113.5	1152.7	1273.1	1407.0	1633.0	1865.7	2051.0	2049.7
45°	876.7	901.0	930.8	957.9	1002.5	1074.2	1227.1	1396.2	1619.4	1829.1	1911.7
47.5°	783.3	806.3	836.1	844.2	874.0	941.6	1035.0	1182.5	1390.8	1599.2	1754.7
50°	704.9	723.8	744.1	759.0	772.5	828.0	898.3	1022.8	1189.2	1390.8	1584.3
52.5°	644.0	657.5	675.1	683.2	695.4	736.0	790.1	882.1	1018.7	1202.7	1390.8
55°	587.2	596.6	607.5	621.0	626.4	656.2	698.1	776.6	878.0	1043.1	1221.7
57.5°	534.4	538.5	545.2	553.3	560.1	585.8	622.3	675.1	764.4	891.6	1060.7
60°	474.9	485.7	489.8	497.9	501.9	522.2	550.6	595.3	664.3	773.9	901.0
62.5°	424.8	431.6	438.3	442.4	451.9	458.6	481.6	522.2	579.1	660.2	775.2
65°	380.2	382.9	386.9	391.0	393.7	401.8	423.5	450.5	493.8	565.5	654.8
67.5°	328.8	331.5	336.9	338.2	340.9	351.8	363.9	386.9	423.5	477.6	550.6
70°	278.7	282.8	285.5	288.2	292.2	296.3	309.8	328.8	357.2	395.1	451.9
72.5°	235.4	239.5	239.5	242.2	240.8	246.2	259.8	273.3	292.2	323.3	373.4
75°	192.1	192.1	194.8	196.2	197.5	202.9	208.3	219.2	234.1	258.4	289.5
77.5°	151.5	150.2	152.9	152.9	152.9	156.9	162.4	167.8	177.2	194.8	219.2
80°	110.9	110.9	113.6	115.0	112.3	113.6	116.4	121.8	128.5	140.7	154.2
82.5°	73.1	78.5	77.1	78.5	77.1	79.8	81.2	82.5	85.2	90.6	100.1
85°	44.6	44.6	44.6	46.0	44.6	46.0	46.0	46.0	47.4	50.1	54.1
87.5°	18.9	18.9	18.9	20.3	18.9	18.9	20.3	18.9	20.3	20.3	21.6
90°	10.4	10.2	10.1	10.0	9.8	9.5	9.2	8.8	8.5	7.5	6.5
92.5°	11.9	11.8	11.7	11.7	11.4	10.9	10.3	9.8	9.2	8.5	7.8
95°	13.5	13.5	13.5	13.5	13.2	12.7	12.1	11.6	11.0	10.1	9.3
97.5°	14.4	14.3	14.2	14.2	13.9	13.3	12.6	12.0	11.4	15.4	19.4
100°	14.8	14.7	14.6	14.6	14.3	13.6	13.0	12.3	11.7	24.0	36.4
102.5°	15.0	14.8	14.7	14.6	15.9	18.5	21.1	23.7	26.3	40.1	53.8
105°	15.3	15.1	15.0	14.9	21.9	35.9	49.9	63.9	77.9	85.0	92.1
107.5°	57.7	68.1	78.4	83.6	89.7	101.8	114.0	126.1	138.3	137.1	135.9
110°	120.4	131.7	143.0	148.6	149.9	152.5	155.2	157.8	160.4	159.5	158.7

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	185.6	185.8	185.9	186.0	185.6	184.9	184.2	183.5	182.8	181.9	181.1
115°	208.5	208.2	207.9	207.7	207.3	206.5	205.7	204.9	204.1	203.4	202.7
117.5°	228.1	228.0	227.9	227.9	227.6	227.0	226.3	225.7	225.1	224.7	224.3
120°	248.2	248.2	248.2	248.2	247.9	247.2	246.6	245.9	245.3	245.1	244.9
122.5°	267.6	267.5	267.4	267.4	267.2	266.8	266.4	266.0	265.6	265.3	265.0
125°	285.6	285.4	285.3	285.2	285.1	285.0	284.8	284.7	284.5	284.2	283.8
127.5°	304.0	304.2	304.3	304.4	304.3	304.0	303.8	303.5	303.3	302.9	302.5
130°	321.0	321.2	321.3	321.4	321.2	320.9	320.6	320.3	320.0	319.7	319.4
132.5°	336.8	337.1	337.3	337.4	337.2	336.9	336.6	336.3	336.0	335.8	335.5
135°	352.8	353.1	353.3	353.4	353.3	353.1	352.8	352.6	352.4	352.1	351.7
137.5°	368.0	368.2	368.3	368.4	368.2	367.8	367.4	367.0	366.6	366.4	366.3
140°	381.5	381.7	381.8	381.9	381.7	381.4	381.1	380.8	380.5	380.3	380.0
142.5°	394.1	394.3	394.6	394.7	394.6	394.3	394.1	393.8	393.6	393.4	393.1
145°	406.4	406.4	406.4	406.4	406.3	406.2	406.0	405.9	405.7	405.5	405.4
147.5°	416.5	416.8	417.2	417.4	417.3	417.2	417.0	416.9	416.7	416.5	416.4
150°	426.8	427.0	427.3	427.4	427.3	427.2	427.0	426.9	426.7	426.5	426.4
152.5°	435.7	436.0	436.4	436.6	436.4	436.1	435.8	435.5	435.2	435.1	435.1
155°	443.6	444.1	444.6	444.8	444.6	444.2	443.8	443.4	443.0	442.9	442.9
157.5°	450.7	451.3	452.0	452.3	452.1	451.6	451.1	450.7	450.2	450.3	450.3
160°	456.9	457.5	458.0	458.3	458.1	457.6	457.1	456.7	456.2	456.3	456.4
162.5°	462.8	463.3	463.8	464.0	463.7	463.2	462.6	462.1	461.5	461.6	461.7
165°	467.6	468.2	468.7	469.0	468.7	468.1	467.4	466.8	466.2	466.3	466.3
167.5°	471.3	472.0	472.6	472.9	472.6	472.0	471.3	470.7	470.1	470.1	470.1
170°	474.5	475.2	475.8	476.1	475.8	475.2	474.5	473.9	473.3	473.3	473.3
172.5°	476.4	477.1	477.8	478.2	477.9	477.3	476.6	476.0	475.4	475.3	475.2
175°	478.1	478.7	479.4	479.7	479.4	478.9	478.3	477.8	477.2	477.1	477.0
177.5°	478.8	479.5	480.3	480.7	480.4	479.8	479.1	478.5	477.9	477.8	477.7
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1434.1	1430.0	1430.0	1427.3	1419.2	1404.3	1403.0	1405.7	1397.6	1389.5	1377.3
5°	1504.4	1478.7	1470.6	1462.5	1446.3	1419.2	1408.4	1398.9	1384.0	1366.5	1347.5
7.5°	1564.0	1527.4	1516.6	1501.7	1469.3	1431.4	1407.0	1386.7	1366.5	1342.1	1319.1
10°	1638.4	1585.6	1559.9	1538.3	1493.6	1440.9	1404.3	1374.6	1342.1	1312.3	1282.6
12.5°	1722.3	1637.0	1628.9	1576.2	1524.7	1446.3	1401.6	1358.3	1315.0	1278.5	1247.4
15°	1792.6	1699.3	1665.4	1630.3	1531.5	1434.1	1390.8	1342.1	1292.0	1252.8	1206.8
17.5°	1837.3	1760.2	1688.4	1641.1	1538.3	1451.7	1367.8	1312.3	1259.6	1205.5	1167.6
20°	1891.4	1779.1	1716.9	1653.3	1551.8	1438.2	1354.3	1285.3	1220.3	1171.6	1125.6
22.5°	1945.5	1794.0	1742.6	1673.6	1554.5	1424.6	1329.9	1260.9	1186.5	1137.8	1087.7
25°	1940.1	1815.6	1730.4	1672.2	1527.4	1412.4	1301.5	1220.3	1151.3	1089.1	1039.0
27.5°	1944.1	1791.3	1704.7	1637.0	1508.5	1394.9	1271.7	1186.5	1114.8	1049.9	997.1
30°	1945.5	1754.7	1679.0	1597.8	1473.3	1352.9	1237.9	1151.3	1075.6	1005.2	957.9
32.5°	1941.4	1725.0	1630.3	1557.2	1417.9	1312.3	1198.7	1106.7	1029.6	964.6	920.0
35°	1932.0	1689.8	1580.2	1488.2	1361.0	1254.2	1162.2	1067.5	984.9	925.4	874.0
37.5°	1906.3	1651.9	1527.4	1436.8	1294.7	1186.5	1105.3	1026.9	947.0	876.7	833.4
40°	1887.3	1600.5	1474.7	1375.9	1223.0	1117.5	1049.9	975.5	897.0	833.4	791.5
42.5°	1844.0	1551.8	1420.6	1302.9	1152.7	1044.5	980.9	921.3	853.7	791.5	753.6
45°	1773.7	1499.0	1354.3	1235.2	1075.6	972.8	914.6	865.9	806.3	746.8	708.9
47.5°	1674.9	1423.3	1283.9	1164.9	999.8	895.6	837.5	800.9	753.6	703.5	671.0
50°	1568.0	1340.7	1212.2	1094.5	926.8	825.3	768.5	734.6	703.5	657.5	626.4
52.5°	1428.7	1252.8	1129.7	1017.4	848.3	750.9	700.8	676.5	644.0	611.5	584.5
55°	1293.4	1139.2	1037.7	930.8	771.2	680.5	631.8	606.1	587.2	560.1	538.5
57.5°	1136.5	1033.6	940.3	842.9	699.5	616.9	570.9	539.8	527.6	515.5	495.2
60°	991.7	913.2	837.5	756.3	625.0	550.6	506.0	481.6	469.5	461.3	447.8
62.5°	859.1	798.2	733.3	668.3	549.3	481.6	447.8	423.5	412.6	411.3	399.1
65°	731.9	688.6	635.9	572.3	478.9	419.4	386.9	372.1	359.9	359.9	350.4
67.5°	604.8	575.0	533.1	488.4	415.3	359.9	330.1	316.6	309.8	309.8	303.1
70°	503.3	483.0	445.1	405.9	342.3	300.3	277.3	265.2	261.1	262.5	257.1
72.5°	408.6	386.9	355.8	327.4	280.1	248.9	232.7	219.2	212.4	213.8	212.4
75°	316.6	305.8	278.7	257.1	219.2	197.5	182.6	175.9	170.5	171.8	169.1
77.5°	238.1	221.9	207.0	192.1	169.1	151.5	139.4	132.6	128.5	128.5	128.5
80°	162.4	159.6	147.5	139.4	120.4	106.9	97.4	96.1	92.0	92.0	92.0
82.5°	105.5	98.8	92.0	86.6	75.8	67.6	63.6	60.9	59.5	58.2	60.9
85°	58.2	54.1	51.4	46.0	41.9	37.9	33.8	32.5	31.1	32.5	31.1
87.5°	23.0	18.9	18.9	17.6	16.2	14.9	14.9	12.2	12.2	10.8	10.8
90°	5.4	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	7.1	6.4	6.0	6.2	6.7	7.2	7.7	8.2	7.7	7.2	6.7
95°	8.4	7.5	7.1	8.7	12.0	15.2	18.5	21.7	18.5	15.2	12.0
97.5°	23.5	27.5	29.5	30.6	32.8	35.1	37.3	39.5	37.3	35.1	32.8
100°	48.7	61.0	67.2	66.4	64.8	63.3	61.7	60.1	61.7	63.3	64.8
102.5°	67.6	81.3	88.2	87.7	86.7	85.6	84.6	83.6	84.6	85.6	86.7
105°	99.2	106.3	109.9	109.5	108.6	107.7	106.9	106.0	106.9	107.7	108.6
107.5°	134.8	133.6	133.0	132.6	131.9	131.2	130.5	129.8	130.5	131.2	131.9
110°	157.8	156.9	156.5	156.2	155.5	154.9	154.2	153.6	154.2	154.9	155.5

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	180.2	179.3	178.9	178.6	178.1	177.5	177.0	176.4	177.0	177.5	178.1
115°	202.0	201.3	200.9	200.7	200.2	199.7	199.3	198.8	199.3	199.7	200.2
117.5°	223.9	223.5	223.3	223.0	222.5	221.9	221.4	220.8	221.4	221.9	222.5
120°	244.6	244.4	244.3	243.9	243.2	242.5	241.8	241.1	241.8	242.5	243.2
122.5°	264.7	264.4	264.2	263.9	263.4	262.8	262.3	261.7	262.3	262.8	263.4
125°	283.5	283.2	283.0	282.7	282.1	281.4	280.8	280.2	280.8	281.4	282.1
127.5°	302.1	301.7	301.5	301.2	300.6	299.9	299.3	298.7	299.3	299.9	300.6
130°	319.1	318.8	318.6	318.3	317.6	317.0	316.3	315.7	316.3	317.0	317.6
132.5°	335.3	335.0	334.9	334.6	334.0	333.3	332.7	332.1	332.7	333.3	334.0
135°	351.4	351.1	350.9	350.7	350.2	349.7	349.3	348.8	349.3	349.7	350.2
137.5°	366.1	366.0	365.9	365.6	364.9	364.3	363.6	363.0	363.6	364.3	364.9
140°	379.8	379.5	379.4	379.2	378.7	378.2	377.8	377.3	377.8	378.2	378.7
142.5°	392.9	392.6	392.5	392.3	391.8	391.3	390.9	390.4	390.9	391.3	391.8
145°	405.2	405.1	405.0	404.7	404.2	403.6	403.1	402.5	403.1	403.6	404.2
147.5°	416.2	416.1	416.0	415.8	415.4	415.0	414.6	414.2	414.6	415.0	415.4
150°	426.2	426.1	426.0	425.9	425.6	425.4	425.1	424.9	425.1	425.4	425.6
152.5°	435.0	434.9	434.9	434.9	434.8	434.7	434.6	434.5	434.6	434.7	434.8
155°	442.8	442.7	442.7	442.8	442.9	443.1	443.2	443.4	443.2	443.1	442.9
157.5°	450.4	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5
160°	456.5	456.6	456.6	456.6	456.7	456.8	456.8	456.9	456.8	456.8	456.7
162.5°	461.8	461.9	461.9	462.0	462.3	462.5	462.8	463.0	462.8	462.5	462.3
165°	466.4	466.5	466.5	466.6	466.9	467.1	467.4	467.6	467.4	467.1	466.9
167.5°	470.1	470.1	470.1	470.3	470.6	470.9	471.2	471.5	471.2	470.9	470.6
170°	473.3	473.3	473.3	473.5	473.8	474.1	474.4	474.7	474.4	474.1	473.8
172.5°	475.1	475.0	475.0	475.2	475.6	476.0	476.4	476.8	476.4	476.0	475.6
175°	476.9	476.8	476.8	477.0	477.4	477.8	478.2	478.6	478.2	477.8	477.4
177.5°	477.6	477.5	477.5	477.7	478.1	478.5	478.9	479.3	478.9	478.5	478.1
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1374.6	1373.2	1375.9	1367.8	1354.3	1347.5	1328.6	1324.5	1323.2	1324.5	1325.9
5°	1336.7	1335.3	1331.3	1317.7	1301.5	1289.3	1266.3	1265.0	1256.9	1248.7	1252.8
7.5°	1300.2	1294.7	1286.6	1269.0	1247.4	1233.9	1214.9	1201.4	1190.6	1183.8	1178.4
10°	1263.6	1255.5	1247.4	1224.4	1197.3	1177.0	1154.0	1143.2	1131.0	1125.6	1120.2
12.5°	1216.3	1208.2	1193.3	1166.2	1150.0	1124.3	1101.3	1090.5	1083.7	1072.9	1066.1
15°	1178.4	1162.2	1154.0	1125.6	1091.8	1089.1	1047.2	1044.5	1030.9	1030.9	1020.1
17.5°	1135.1	1122.9	1108.0	1079.6	1055.3	1030.9	1009.3	1001.2	989.0	986.3	980.9
20°	1093.2	1076.9	1071.5	1043.1	1017.4	987.6	964.6	956.5	951.1	945.7	949.8
22.5°	1049.9	1036.3	1022.8	997.1	978.2	948.4	934.9	926.8	918.6	915.9	917.3
25°	1007.9	995.7	982.2	956.5	936.2	911.9	899.7	895.6	891.6	891.6	890.2
27.5°	967.3	955.2	943.0	920.0	899.7	882.1	872.6	868.6	864.5	867.2	869.9
30°	925.4	914.6	903.8	883.5	867.2	851.0	845.6	842.9	841.5	848.3	848.3
32.5°	887.5	878.0	869.9	851.0	834.8	821.2	817.2	818.5	819.9	823.9	826.6
35°	848.3	841.5	833.4	817.2	803.6	791.5	792.8	792.8	795.5	802.3	807.7
37.5°	813.1	803.6	796.9	783.3	772.5	761.7	765.8	769.8	772.5	780.6	783.3
40°	771.2	767.1	761.7	748.2	738.7	737.3	738.7	741.4	746.8	750.9	754.9
42.5°	737.3	731.9	725.2	714.3	706.2	707.6	708.9	711.6	714.3	721.1	725.2
45°	699.5	695.4	690.0	680.5	673.8	675.1	676.5	676.5	679.2	687.3	690.0
47.5°	657.5	658.9	652.1	642.6	638.6	638.6	638.6	641.3	648.0	650.8	652.1
50°	616.9	614.2	612.9	603.4	600.7	599.3	600.7	602.0	611.5	610.2	614.2
52.5°	573.6	573.6	572.3	566.9	562.8	562.8	560.1	566.9	569.6	572.3	576.3
55°	531.7	527.6	526.3	523.6	518.2	516.8	519.5	527.6	530.3	533.1	537.1
57.5°	485.7	485.7	483.0	478.9	478.9	478.9	478.9	484.3	488.4	491.1	499.2
60°	443.8	438.3	434.3	434.3	434.3	432.9	441.1	441.1	449.2	450.5	453.2
62.5°	393.7	391.0	388.3	389.6	388.3	391.0	393.7	399.1	400.5	404.5	408.6
65°	346.3	346.3	343.6	351.8	346.3	346.3	353.1	353.1	355.8	359.9	365.3
67.5°	300.3	301.7	299.0	299.0	301.7	303.1	304.4	309.8	311.2	316.6	323.3
70°	253.0	255.7	257.1	254.3	257.1	259.8	262.5	263.8	269.2	271.9	276.0
72.5°	211.1	213.8	209.7	211.1	212.4	215.1	216.5	219.2	221.9	230.0	232.7
75°	169.1	167.8	166.4	171.8	169.1	174.5	175.9	175.9	178.6	185.4	188.1
77.5°	129.9	129.9	131.2	128.5	132.6	131.2	132.6	136.6	140.7	140.7	151.5
80°	90.6	93.4	93.4	93.4	94.7	96.1	93.4	100.1	101.5	101.5	105.5
82.5°	58.2	59.5	58.2	60.9	60.9	63.6	62.2	63.6	66.3	69.0	70.4
85°	31.1	31.1	33.8	33.8	32.5	33.8	32.5	33.8	36.5	36.5	37.9
87.5°	10.8	10.8	10.8	10.8	12.2	10.8	12.2	12.2	10.8	10.8	14.9
90°	3.5	3.9	4.4	5.4	6.5	7.5	8.5	8.8	9.2	9.5	9.8
92.5°	6.2	6.0	6.4	7.1	7.8	8.5	9.2	9.8	10.3	10.9	11.4
95°	8.7	7.1	7.5	8.4	9.3	10.1	11.0	11.6	12.1	12.7	13.2
97.5°	30.6	29.5	27.5	23.5	19.4	15.4	11.4	12.0	12.6	13.3	13.9
100°	66.4	67.2	61.0	48.7	36.4	24.0	11.7	12.3	13.0	13.6	14.3
102.5°	87.7	88.2	81.3	67.6	53.8	40.1	26.3	23.7	21.1	18.5	15.9
105°	109.5	109.9	106.3	99.2	92.1	85.0	77.9	63.9	49.9	35.9	21.9
107.5°	132.6	133.0	133.6	134.8	135.9	137.1	138.3	126.1	114.0	101.8	89.7
110°	156.2	156.5	156.9	157.8	158.7	159.5	160.4	157.8	155.2	152.5	149.9



TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	178.6	178.9	179.3	180.2	181.1	181.9	182.8	183.5	184.2	184.9	185.6
115°	200.7	200.9	201.3	202.0	202.7	203.4	204.1	204.9	205.7	206.5	207.3
117.5°	223.0	223.3	223.5	223.9	224.3	224.7	225.1	225.7	226.3	227.0	227.6
120°	243.9	244.3	244.4	244.6	244.9	245.1	245.3	245.9	246.6	247.2	247.9
122.5°	263.9	264.2	264.4	264.7	265.0	265.3	265.6	266.0	266.4	266.8	267.2
125°	282.7	283.0	283.2	283.5	283.8	284.2	284.5	284.7	284.8	285.0	285.1
127.5°	301.2	301.5	301.7	302.1	302.5	302.9	303.3	303.5	303.8	304.0	304.3
130°	318.3	318.6	318.8	319.1	319.4	319.7	320.0	320.3	320.6	320.9	321.2
132.5°	334.6	334.9	335.0	335.3	335.5	335.8	336.0	336.3	336.6	336.9	337.2
135°	350.7	350.9	351.1	351.4	351.7	352.1	352.4	352.6	352.8	353.1	353.3
137.5°	365.6	365.9	366.0	366.1	366.3	366.4	366.6	367.0	367.4	367.8	368.2
140°	379.2	379.4	379.5	379.8	380.0	380.3	380.5	380.8	381.1	381.4	381.7
142.5°	392.3	392.5	392.6	392.9	393.1	393.4	393.6	393.8	394.1	394.3	394.6
145°	404.7	405.0	405.1	405.2	405.4	405.5	405.7	405.9	406.0	406.2	406.3
147.5°	415.8	416.0	416.1	416.2	416.4	416.5	416.7	416.9	417.0	417.2	417.3
150°	425.9	426.0	426.1	426.2	426.4	426.5	426.7	426.9	427.0	427.2	427.3
152.5°	434.9	434.9	434.9	435.0	435.1	435.1	435.2	435.5	435.8	436.1	436.4
155°	442.8	442.7	442.7	442.8	442.9	442.9	443.0	443.4	443.8	444.2	444.6
157.5°	450.5	450.5	450.5	450.4	450.3	450.3	450.2	450.7	451.1	451.6	452.1
160°	456.6	456.6	456.6	456.5	456.4	456.3	456.2	456.7	457.1	457.6	458.1
162.5°	462.0	461.9	461.9	461.8	461.7	461.6	461.5	462.1	462.6	463.2	463.7
165°	466.6	466.5	466.5	466.4	466.3	466.3	466.2	466.8	467.4	468.1	468.7
167.5°	470.3	470.1	470.1	470.1	470.1	470.1	470.1	470.7	471.3	472.0	472.6
170°	473.5	473.3	473.3	473.3	473.3	473.3	473.3	473.9	474.5	475.2	475.8
172.5°	475.2	475.0	475.0	475.1	475.2	475.3	475.4	476.0	476.6	477.3	477.9
175°	477.0	476.8	476.8	476.9	477.0	477.1	477.2	477.8	478.3	478.9	479.4
177.5°	477.7	477.5	477.5	477.6	477.7	477.8	477.9	478.5	479.1	479.8	480.4
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1324.5	1325.9	1320.5	1316.4	1327.2	1320.5	1320.5	1321.8	1319.1	1323.2	1321.8
5°	1250.1	1251.5	1242.0	1244.7	1239.3	1237.9	1236.6	1244.7	1243.3	1242.0	1244.7
7.5°	1177.0	1177.0	1173.0	1170.3	1170.3	1166.2	1171.6	1170.3	1173.0	1173.0	1177.0
10°	1116.2	1118.9	1112.1	1105.3	1104.0	1105.3	1105.3	1106.7	1108.0	1117.5	1116.2
12.5°	1066.1	1062.0	1060.7	1056.6	1049.9	1047.2	1044.5	1059.3	1055.3	1055.3	1055.3
15°	1010.6	1020.1	1018.7	1006.6	1003.9	1009.3	1006.6	1006.6	1020.1	1018.7	1017.4
17.5°	980.9	978.2	975.5	968.7	970.0	968.7	970.0	970.0	978.2	978.2	978.2
20°	947.0	941.6	941.6	938.9	938.9	934.9	940.3	941.6	947.0	947.0	948.4
22.5°	917.3	913.2	913.2	911.9	914.6	909.2	914.6	915.9	915.9	920.0	920.0
25°	891.6	888.9	888.9	891.6	891.6	891.6	891.6	897.0	892.9	894.3	892.9
27.5°	868.6	869.9	871.3	872.6	871.3	872.6	874.0	876.7	878.0	876.7	874.0
30°	846.9	851.0	852.3	852.3	855.0	856.4	857.8	857.8	859.1	855.0	857.8
32.5°	830.7	830.7	833.4	834.8	837.5	838.8	838.8	841.5	840.2	836.1	837.5
35°	807.7	807.7	813.1	815.8	819.9	818.5	819.9	819.9	821.2	818.5	814.5
37.5°	784.7	787.4	787.4	792.8	794.2	795.5	794.2	796.9	795.5	792.8	791.5
40°	757.6	756.3	757.6	761.7	763.0	763.0	763.0	765.8	765.8	765.8	764.4
42.5°	723.8	727.9	726.5	730.6	729.2	729.2	731.9	734.6	736.0	731.9	733.3
45°	691.3	691.3	694.0	694.0	695.4	695.4	700.8	698.1	700.8	698.1	699.5
47.5°	656.2	657.5	657.5	658.9	661.6	664.3	661.6	662.9	662.9	664.3	661.6
50°	616.9	616.9	619.6	623.7	629.1	626.4	625.0	630.5	626.4	626.4	623.7
52.5°	576.3	580.4	581.8	585.8	589.9	591.2	592.6	589.9	591.2	587.2	588.5
55°	537.1	538.5	543.9	547.9	552.0	552.0	550.6	552.0	553.3	547.9	547.9
57.5°	497.9	501.9	507.3	507.3	512.8	512.8	511.4	511.4	512.8	508.7	507.3
60°	455.9	460.0	466.8	466.8	474.9	476.2	473.5	470.8	470.8	466.8	468.1
62.5°	411.3	415.3	419.4	426.2	431.6	428.9	434.3	428.9	430.2	422.1	422.1
65°	372.1	373.4	380.2	386.9	386.9	389.6	386.9	388.3	384.2	384.2	378.8
67.5°	326.1	326.1	332.8	339.6	346.3	346.3	346.3	342.3	342.3	338.2	338.2
70°	285.5	284.1	290.9	294.9	299.0	300.3	297.6	296.3	293.6	289.5	288.2
72.5°	235.4	238.1	244.9	247.6	254.3	253.0	259.8	251.6	251.6	244.9	243.5
75°	190.8	193.5	200.2	204.3	208.3	208.3	212.4	208.3	202.9	200.2	198.9
77.5°	151.5	150.2	155.6	162.4	163.7	162.4	165.1	163.7	158.3	158.3	155.6
80°	108.2	112.3	117.7	116.4	121.8	120.4	120.4	117.7	117.7	113.6	116.4
82.5°	71.7	75.8	77.1	75.8	77.1	79.8	81.2	79.8	79.8	77.1	78.5
85°	37.9	37.9	40.6	41.9	40.6	40.6	41.9	46.0	43.3	40.6	43.3
87.5°	12.2	10.8	10.8	12.2	10.8	10.8	12.2	12.2	13.5	13.5	13.5
90°	10.0	10.1	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	10.0
92.5°	11.7	11.7	11.8	11.9	12.0	12.1	12.0	11.9	11.8	11.7	11.7
95°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
97.5°	14.2	14.2	14.3	14.4	14.5	14.6	14.5	14.4	14.3	14.2	14.2
100°	14.6	14.6	14.7	14.8	14.8	14.9	14.8	14.8	14.7	14.6	14.6
102.5°	14.6	14.7	14.8	15.0	15.1	15.3	15.1	15.0	14.8	14.7	14.6
105°	14.9	15.0	15.1	15.3	15.4	15.6	15.4	15.3	15.1	15.0	14.9
107.5°	83.6	78.4	68.1	57.7	47.4	37.0	47.4	57.7	68.1	78.4	83.6
110°	148.6	143.0	131.7	120.4	109.1	97.8	109.1	120.4	131.7	143.0	148.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	186.0	185.9	185.8	185.6	185.5	185.3	185.5	185.6	185.8	185.9	186.0
115°	207.7	207.9	208.2	208.5	208.8	209.1	208.8	208.5	208.2	207.9	207.7
117.5°	227.9	227.9	228.0	228.1	228.2	228.3	228.2	228.1	228.0	227.9	227.9
120°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
122.5°	267.4	267.4	267.5	267.6	267.6	267.7	267.6	267.6	267.5	267.4	267.4
125°	285.2	285.3	285.4	285.6	285.7	285.9	285.7	285.6	285.4	285.3	285.2
127.5°	304.4	304.3	304.2	304.0	303.9	303.7	303.9	304.0	304.2	304.3	304.4
130°	321.4	321.3	321.2	321.0	320.9	320.7	320.9	321.0	321.2	321.3	321.4
132.5°	337.4	337.3	337.1	336.8	336.6	336.4	336.6	336.8	337.1	337.3	337.4
135°	353.4	353.3	353.1	352.8	352.6	352.4	352.6	352.8	353.1	353.3	353.4
137.5°	368.4	368.3	368.2	368.0	367.9	367.7	367.9	368.0	368.2	368.3	368.4
140°	381.9	381.8	381.7	381.5	381.4	381.2	381.4	381.5	381.7	381.8	381.9
142.5°	394.7	394.6	394.3	394.1	393.8	393.6	393.8	394.1	394.3	394.6	394.7
145°	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4
147.5°	417.4	417.2	416.8	416.5	416.1	415.7	416.1	416.5	416.8	417.2	417.4
150°	427.4	427.3	427.0	426.8	426.5	426.3	426.5	426.8	427.0	427.3	427.4
152.5°	436.6	436.4	436.0	435.7	435.3	434.9	435.3	435.7	436.0	436.4	436.6
155°	444.8	444.6	444.1	443.6	443.2	442.7	443.2	443.6	444.1	444.6	444.8
157.5°	452.3	452.0	451.3	450.7	450.0	449.4	450.0	450.7	451.3	452.0	452.3
160°	458.3	458.0	457.5	456.9	456.4	455.8	456.4	456.9	457.5	458.0	458.3
162.5°	464.0	463.8	463.3	462.8	462.4	461.9	462.4	462.8	463.3	463.8	464.0
165°	469.0	468.7	468.2	467.6	467.1	466.5	467.1	467.6	468.2	468.7	469.0
167.5°	472.9	472.6	472.0	471.3	470.7	470.1	470.7	471.3	472.0	472.6	472.9
170°	476.1	475.8	475.2	474.5	473.9	473.3	473.9	474.5	475.2	475.8	476.1
172.5°	478.2	477.8	477.1	476.4	475.7	475.0	475.7	476.4	477.1	477.8	478.2
175°	479.7	479.4	478.7	478.1	477.4	476.8	477.4	478.1	478.7	479.4	479.7
177.5°	480.7	480.3	479.5	478.8	478.0	477.2	478.0	478.8	479.5	480.3	480.7
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1325.9	1328.6	1329.9	1324.5	1320.5	1327.2	1336.7	1343.5	1348.9	1355.6	1359.7
5°	1247.4	1256.9	1256.9	1259.6	1263.6	1270.4	1288.0	1300.2	1311.0	1319.1	1325.9
7.5°	1181.1	1187.9	1191.9	1198.7	1205.5	1214.9	1235.2	1252.8	1269.0	1278.5	1289.3
10°	1121.6	1127.0	1133.7	1137.8	1150.0	1163.5	1189.2	1204.1	1223.0	1237.9	1251.5
12.5°	1064.7	1083.7	1087.7	1086.4	1097.2	1112.1	1137.8	1160.8	1181.1	1196.0	1210.9
15°	1024.2	1030.9	1039.0	1037.7	1060.7	1064.7	1086.4	1113.5	1140.5	1150.0	1163.5
17.5°	979.5	990.3	998.5	1002.5	1009.3	1024.2	1044.5	1064.7	1099.9	1101.3	1136.5
20°	944.3	955.2	960.6	966.0	970.0	987.6	1005.2	1028.2	1056.6	1071.5	1090.5
22.5°	921.3	926.8	930.8	934.9	940.3	949.8	971.4	997.1	1016.0	1032.3	1044.5
25°	894.3	899.7	905.1	907.8	911.9	917.3	933.5	953.8	980.9	991.7	1003.9
27.5°	875.3	875.3	878.0	878.0	883.5	888.9	901.0	920.0	941.6	955.2	971.4
30°	855.0	853.7	855.0	853.7	852.3	860.5	871.3	887.5	902.4	918.6	929.5
32.5°	834.8	833.4	833.4	834.8	829.3	833.4	838.8	853.7	869.9	878.0	890.2
35°	813.1	810.4	810.4	810.4	807.7	805.0	810.4	823.9	834.8	845.6	855.0
37.5°	791.5	787.4	787.4	784.7	782.0	777.9	777.9	788.8	803.6	807.7	819.9
40°	761.7	761.7	759.0	757.6	754.9	752.2	748.2	757.6	771.2	775.2	784.7
42.5°	731.9	727.9	726.5	726.5	726.5	722.5	719.8	726.5	734.6	741.4	746.8
45°	698.1	695.4	696.8	695.4	692.7	691.3	690.0	692.7	702.2	704.9	711.6
47.5°	661.6	660.2	660.2	658.9	657.5	658.9	653.5	660.2	662.9	665.6	671.0
50°	623.7	622.3	621.0	619.6	619.6	621.0	619.6	619.6	625.0	627.8	633.2
52.5°	585.8	581.8	581.8	580.4	580.4	577.7	580.4	581.8	584.5	587.2	589.9
55°	545.2	545.2	541.2	541.2	538.5	538.5	539.8	538.5	543.9	546.6	546.6
57.5°	506.0	500.6	501.9	499.2	496.5	495.2	495.2	497.9	500.6	500.6	503.3
60°	464.1	458.6	457.3	451.9	454.6	450.5	451.9	451.9	457.3	454.6	457.3
62.5°	422.1	415.3	411.3	408.6	408.6	409.9	407.2	405.9	408.6	411.3	416.7
65°	377.5	373.4	369.3	365.3	365.3	363.9	366.6	362.6	361.2	362.6	365.3
67.5°	331.5	327.4	323.3	319.3	320.6	316.6	313.9	317.9	315.2	316.6	319.3
70°	286.8	284.1	276.0	273.3	271.9	273.3	271.9	269.2	273.3	271.9	273.3
72.5°	242.2	239.5	235.4	228.6	228.6	227.3	225.9	225.9	224.6	224.6	224.6
75°	198.9	193.5	189.4	188.1	185.4	184.0	182.6	179.9	181.3	182.6	179.9
77.5°	154.2	147.5	146.1	146.1	142.1	142.1	143.4	142.1	140.7	140.7	140.7
80°	113.6	108.2	108.2	105.5	102.8	102.8	102.8	102.8	101.5	100.1	101.5
82.5°	73.1	71.7	70.4	70.4	73.1	67.6	70.4	69.0	67.6	67.6	66.3
85°	40.6	41.9	40.6	41.9	39.2	40.6	40.6	40.6	39.2	40.6	37.9
87.5°	14.9	14.9	14.9	16.2	16.2	16.2	16.2	16.2	17.6	16.2	16.2
90°	9.8	9.5	9.2	8.8	8.5	7.5	6.5	5.4	4.4	3.9	3.5
92.5°	11.4	10.9	10.3	9.8	9.2	8.5	7.8	7.1	6.4	6.0	6.2
95°	13.2	12.7	12.1	11.6	11.0	10.1	9.3	8.4	7.5	7.1	8.7
97.5°	13.9	13.3	12.6	12.0	11.4	15.4	19.4	23.5	27.5	29.5	30.6
100°	14.3	13.6	13.0	12.3	11.7	24.0	36.4	48.7	61.0	67.2	66.4
102.5°	15.9	18.5	21.1	23.7	26.3	40.1	53.8	67.6	81.3	88.2	87.7
105°	21.9	35.9	49.9	63.9	77.9	85.0	92.1	99.2	106.3	109.9	109.5
107.5°	89.7	101.8	114.0	126.1	138.3	137.1	135.9	134.8	133.6	133.0	132.6
110°	149.9	152.5	155.2	157.8	160.4	159.5	158.7	157.8	156.9	156.5	156.2

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	185.6	184.9	184.2	183.5	182.8	181.9	181.1	180.2	179.3	178.9	178.6
115°	207.3	206.5	205.7	204.9	204.1	203.4	202.7	202.0	201.3	200.9	200.7
117.5°	227.6	227.0	226.3	225.7	225.1	224.7	224.3	223.9	223.5	223.3	223.0
120°	247.9	247.2	246.6	245.9	245.3	245.1	244.9	244.6	244.4	244.3	243.9
122.5°	267.2	266.8	266.4	266.0	265.6	265.3	265.0	264.7	264.4	264.2	263.9
125°	285.1	285.0	284.8	284.7	284.5	284.2	283.8	283.5	283.2	283.0	282.7
127.5°	304.3	304.0	303.8	303.5	303.3	302.9	302.5	302.1	301.7	301.5	301.2
130°	321.2	320.9	320.6	320.3	320.0	319.7	319.4	319.1	318.8	318.6	318.3
132.5°	337.2	336.9	336.6	336.3	336.0	335.8	335.5	335.3	335.0	334.9	334.6
135°	353.3	353.1	352.8	352.6	352.4	352.1	351.7	351.4	351.1	350.9	350.7
137.5°	368.2	367.8	367.4	367.0	366.6	366.4	366.3	366.1	366.0	365.9	365.6
140°	381.7	381.4	381.1	380.8	380.5	380.3	380.0	379.8	379.5	379.4	379.2
142.5°	394.6	394.3	394.1	393.8	393.6	393.4	393.1	392.9	392.6	392.5	392.3
145°	406.3	406.2	406.0	405.9	405.7	405.5	405.4	405.2	405.1	405.0	404.7
147.5°	417.3	417.2	417.0	416.9	416.7	416.5	416.4	416.2	416.1	416.0	415.8
150°	427.3	427.2	427.0	426.9	426.7	426.5	426.4	426.2	426.1	426.0	425.9
152.5°	436.4	436.1	435.8	435.5	435.2	435.1	435.1	435.0	434.9	434.9	434.9
155°	444.6	444.2	443.8	443.4	443.0	442.9	442.9	442.8	442.7	442.7	442.8
157.5°	452.1	451.6	451.1	450.7	450.2	450.3	450.3	450.4	450.5	450.5	450.5
160°	458.1	457.6	457.1	456.7	456.2	456.3	456.4	456.5	456.6	456.6	456.6
162.5°	463.7	463.2	462.6	462.1	461.5	461.6	461.7	461.8	461.9	461.9	462.0
165°	468.7	468.1	467.4	466.8	466.2	466.3	466.3	466.4	466.5	466.5	466.6
167.5°	472.6	472.0	471.3	470.7	470.1	470.1	470.1	470.1	470.1	470.1	470.3
170°	475.8	475.2	474.5	473.9	473.3	473.3	473.3	473.3	473.3	473.3	473.5
172.5°	477.9	477.3	476.6	476.0	475.4	475.3	475.2	475.1	475.0	475.0	475.2
175°	479.4	478.9	478.3	477.8	477.2	477.1	477.0	476.9	476.8	476.8	477.0
177.5°	480.4	479.8	479.1	478.5	477.9	477.8	477.7	477.6	477.5	477.5	477.7
180°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1396.2	1396.2	1396.2	1396.2
2.5°	1366.5	1370.5	1384.0	1400.3
5°	1339.4	1350.2	1369.2	1394.9
7.5°	1309.6	1325.9	1352.9	1385.4
10°	1275.8	1298.8	1332.6	1373.2
12.5°	1239.3	1269.0	1312.3	1354.3
15°	1216.3	1246.0	1285.3	1331.3
17.5°	1171.6	1206.8	1247.4	1312.3
20°	1125.6	1164.9	1217.6	1282.6
22.5°	1090.5	1132.4	1182.5	1251.5
25°	1048.5	1091.8	1145.9	1217.6
27.5°	1003.9	1047.2	1108.0	1183.8
30°	970.0	1012.0	1070.2	1151.3
32.5°	929.5	970.0	1030.9	1116.2
35°	883.5	929.5	987.6	1074.2
37.5°	848.3	890.2	951.1	1033.6
40°	810.4	846.9	906.5	987.6
42.5°	769.8	810.4	861.8	943.0
45°	731.9	761.7	814.5	891.6
47.5°	691.3	725.2	765.8	825.3
50°	648.0	676.5	721.1	761.7
52.5°	606.1	629.1	667.0	698.1
55°	561.5	584.5	612.9	631.8
57.5°	519.5	535.8	554.7	566.9
60°	468.1	484.3	496.5	508.7
62.5°	422.1	434.3	441.1	447.8
65°	374.8	381.5	385.6	391.0
67.5°	323.3	330.1	331.5	339.6
70°	276.0	277.3	280.1	284.1
72.5°	231.3	234.1	232.7	235.4
75°	185.4	188.1	185.4	188.1
77.5°	140.7	143.4	143.4	147.5
80°	101.5	102.8	104.2	104.2
82.5°	66.3	70.4	67.6	69.0
85°	37.9	39.2	39.2	40.6
87.5°	17.6	18.9	17.6	20.3
90°	2.7	2.0	1.2	0.4
92.5°	6.7	7.2	7.7	8.2
95°	12.0	15.2	18.5	21.7
97.5°	32.8	35.1	37.3	39.5
100°	64.8	63.3	61.7	60.1
102.5°	86.7	85.6	84.6	83.6
105°	108.6	107.7	106.9	106.0
107.5°	131.9	131.2	130.5	129.8
110°	155.5	154.9	154.2	153.6

TEST NUMBER: P1010425

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	178.1	177.5	177.0	176.4
115°	200.2	199.7	199.3	198.8
117.5°	222.5	221.9	221.4	220.8
120°	243.2	242.5	241.8	241.1
122.5°	263.4	262.8	262.3	261.7
125°	282.1	281.4	280.8	280.2
127.5°	300.6	299.9	299.3	298.7
130°	317.6	317.0	316.3	315.7
132.5°	334.0	333.3	332.7	332.1
135°	350.2	349.7	349.3	348.8
137.5°	364.9	364.3	363.6	363.0
140°	378.7	378.2	377.8	377.3
142.5°	391.8	391.3	390.9	390.4
145°	404.2	403.6	403.1	402.5
147.5°	415.4	415.0	414.6	414.2
150°	425.6	425.4	425.1	424.9
152.5°	434.8	434.7	434.6	434.5
155°	442.9	443.1	443.2	443.4
157.5°	450.5	450.5	450.5	450.5
160°	456.7	456.8	456.8	456.9
162.5°	462.3	462.5	462.8	463.0
165°	466.9	467.1	467.4	467.6
167.5°	470.6	470.9	471.2	471.5
170°	473.8	474.1	474.4	474.7
172.5°	475.6	476.0	476.4	476.8
175°	477.4	477.8	478.2	478.6
177.5°	478.1	478.5	478.9	479.3
180°	478.6	478.6	478.6	478.6

(END OF REPORT)