

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: P1000641

Luminaire Tested: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000641
REPORT IS A COMBINATION OF REPORTS P995251 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K
Description: Define 4 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

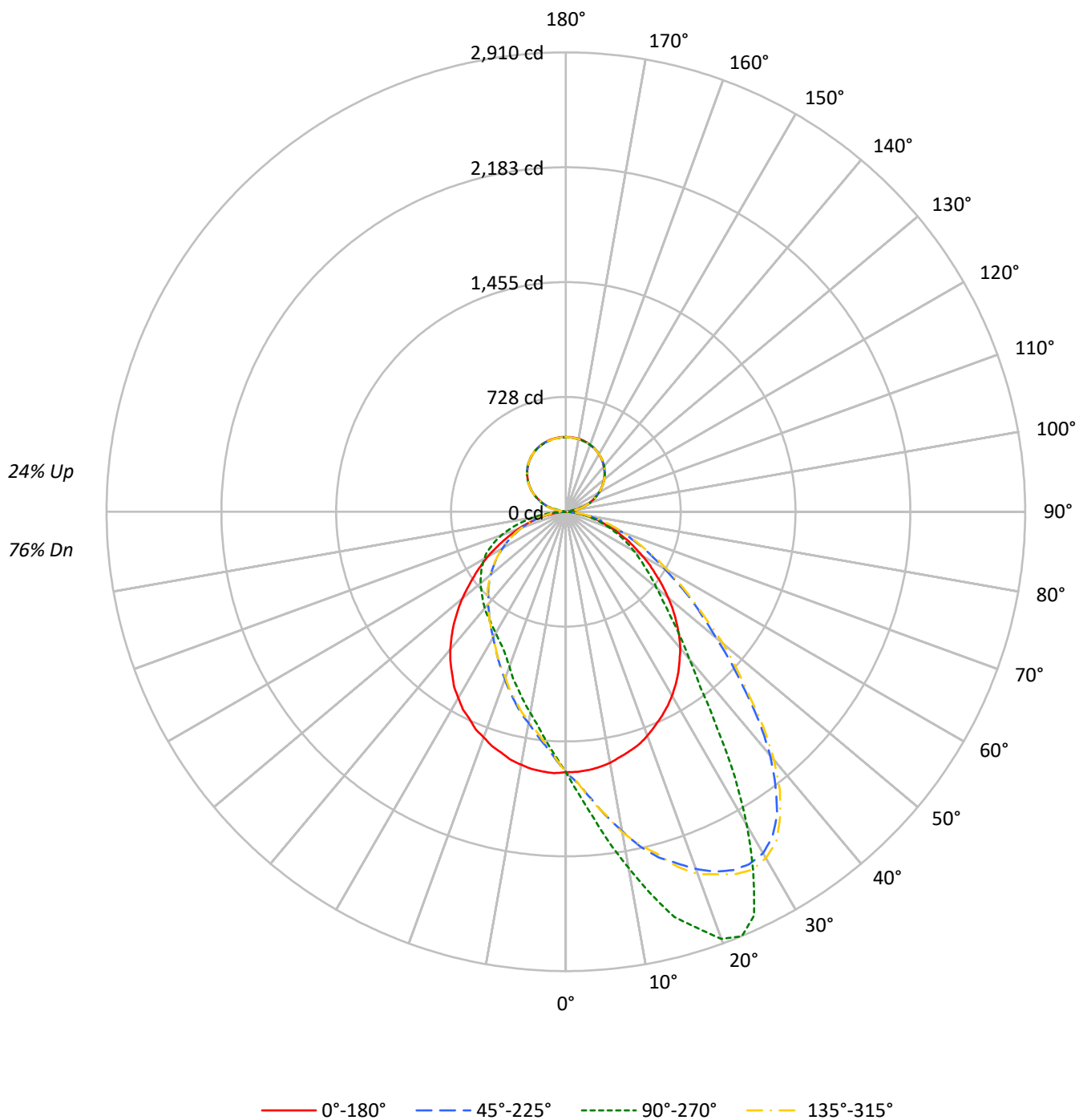
Lumens per Lamp: N/A
Luminaire Lumens: 6015.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

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	50	30	10
RCR																				
0	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76		
1	104	99	96	92	99	95	91	88	86	84	81	78	76	74	71	69	68	64		
2	95	87	81	76	90	83	78	73	76	72	68	69	66	63	63	60	58	55		
3	87	77	70	64	82	74	67	62	67	62	57	62	57	53	56	53	50	47		
4	80	69	61	54	76	66	58	53	60	54	49	55	50	46	50	46	43	40		
5	73	61	53	47	70	59	51	46	54	48	43	50	44	40	46	41	38	35		
6	68	55	47	41	64	53	46	40	49	43	38	45	40	36	41	37	33	31		
7	63	50	42	36	60	48	41	35	45	38	34	41	36	32	38	33	30	28		
8	59	46	38	32	56	44	37	32	41	35	30	38	32	28	35	30	27	25		
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	32	28	24	22		
10	51	39	31	26	49	37	30	26	35	29	25	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13449	13449	13449	13449
5°	13415	15429	13493	11594
10°	13315	18001	13416	10171
15°	13154	20752	13246	9100
20°	12984	22502	13078	8159
25°	12736	22244	12858	7465
30°	12493	18386	12645	7107
35°	12152	13701	12285	6890
40°	11753	10321	11867	6784
45°	11145	8284	11284	6639
50°	10419	6979	10571	6572
55°	9566	6075	9716	6494
60°	8737	5349	8993	6386
65°	7957	4602	8032	6120
70°	7041	3786	7195	5636
75°	6144	2910	6104	4788
80°	4833	1912	4775	3634
85°	3180	859	2984	2119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17390 cd/sqm

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	2.7
10°-20°	495.4	8.2
20°-30°	787.1	13.1
30°-40°	874.6	14.5
40°-50°	795.3	13.2
50°-60°	649.9	10.8
60°-70°	463.9	7.7
70°-80°	255.3	4.2
80°-90°	70.0	1.2
90°-100°	15.7	0.3
100°-110°	103.4	1.7
110°-120°	197.4	3.3
120°-130°	250.6	4.2
130°-140°	268.0	4.5
140°-150°	250.6	4.2
150°-160°	202.1	3.4
160°-170°	130.3	2.2
170°-180°	44.9	0.7
0°-30°	1443.0	24.0
0°-40°	2317.6	38.5
0°-60°	3762.8	62.6
0°-90°	4552.0	75.7
90°-120°	316.4	5.3
90°-150°	1085.6	18.0
90°-180°	1463.0	24.3
0°-180°	6015.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1649	1649	1649	1649	1649	
5°	1642	1935	1652	1454	1642	156
15°	1569	2658	1580	1166	1569	443
25°	1432	2822	1446	947	1432	660
35°	1242	1668	1256	839	1242	776
45°	991	936	1003	750	991	764
55°	697	612	708	654	697	627
65°	434	394	439	523	434	429
75°	213	197	212	324	213	224
85°	44	41	41	101	44	51
90°	1	11	1	11	1	4
95°	19	10	19	10	19	24
105°	106	101	106	101	106	111
115°	199	200	199	200	199	196
125°	279	282	279	282	279	249
135°	347	349	347	349	347	267
145°	400	402	400	402	400	250
155°	438	438	438	438	438	202
165°	462	460	462	460	462	131
175°	473	470	473	470	473	45
180°	473	473	473	473	473	

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1649.3	1665.7	1672.5	1677.9	1695.7	1701.2	1702.5	1710.7	1717.6	1718.9	1718.9
5°	1642.4	1668.4	1688.9	1708.0	1736.7	1749.0	1764.0	1780.4	1802.3	1816.0	1822.8
7.5°	1631.5	1669.8	1701.2	1734.0	1773.6	1798.2	1811.9	1855.6	1885.6	1910.2	1940.3
10°	1615.1	1664.3	1709.4	1757.2	1813.2	1843.3	1873.3	1926.6	1969.0	2016.8	2055.1
12.5°	1590.5	1654.7	1709.4	1776.3	1846.0	1881.5	1917.1	2010.0	2059.2	2101.5	2169.9
15°	1568.6	1632.9	1710.7	1779.1	1865.1	1918.4	1970.4	2030.5	2108.4	2199.9	2265.5
17.5°	1544.0	1624.7	1697.1	1792.7	1888.4	1938.9	1981.3	2074.2	2183.5	2273.7	2333.8
20°	1509.9	1591.9	1687.5	1788.6	1902.0	1941.7	1997.7	2122.0	2220.4	2309.2	2407.6
22.5°	1470.3	1565.9	1667.0	1764.0	1881.5	1964.9	2026.4	2135.7	2254.6	2357.1	2467.7
25°	1432.0	1535.8	1624.7	1757.2	1881.5	1937.6	2007.3	2137.1	2266.9	2391.2	2504.6
27.5°	1391.0	1488.0	1608.3	1713.5	1854.2	1915.7	1990.9	2133.0	2271.0	2395.3	2516.9
30°	1345.9	1449.8	1549.5	1673.9	1810.5	1889.7	1959.4	2113.8	2254.6	2384.4	2497.8
32.5°	1295.4	1393.7	1500.3	1617.8	1761.3	1841.9	1929.4	2087.9	2238.2	2350.2	2437.7
35°	1242.1	1341.8	1434.7	1555.0	1702.5	1783.2	1867.9	2042.8	2191.7	2283.3	2333.8
37.5°	1183.3	1277.6	1369.1	1488.0	1635.6	1721.7	1807.8	1977.2	2117.9	2194.5	2180.8
40°	1127.3	1212.0	1296.7	1408.8	1563.2	1654.7	1729.9	1900.7	2023.7	2056.4	2011.4
42.5°	1063.1	1135.5	1217.5	1332.2	1482.6	1568.6	1662.9	1818.7	1910.2	1896.6	1820.1
45°	990.6	1054.9	1136.9	1244.8	1397.8	1486.7	1565.9	1713.5	1780.4	1746.3	1606.9
47.5°	921.0	983.8	1050.8	1158.7	1307.7	1382.8	1463.4	1596.0	1634.2	1561.8	1422.4
50°	845.8	897.7	967.4	1069.9	1209.3	1288.5	1355.5	1462.1	1475.7	1386.9	1242.1
52.5°	773.4	817.1	884.1	985.2	1115.0	1177.8	1243.4	1337.7	1326.8	1235.2	1095.9
55°	696.9	737.9	799.3	892.3	1007.0	1067.2	1123.2	1206.5	1183.3	1089.0	967.4
57.5°	632.6	661.3	721.5	807.5	901.8	967.4	1015.2	1080.8	1045.3	951.0	837.6
60°	558.9	594.4	644.9	714.6	807.5	851.3	893.6	937.4	912.8	822.6	721.5
62.5°	491.9	519.2	563.0	629.9	702.3	742.0	787.1	814.4	789.8	706.4	621.7
65°	434.5	456.4	490.5	545.2	614.9	647.7	673.6	699.6	679.1	601.2	539.7
67.5°	371.7	390.8	419.5	463.2	522.0	545.2	569.8	587.6	564.3	512.4	452.3
70°	315.6	329.3	356.6	389.4	430.4	452.3	472.8	490.5	470.0	426.3	381.2
72.5°	258.3	269.2	293.8	317.0	353.9	368.9	384.0	397.6	390.8	349.8	312.9
75°	213.2	217.3	233.7	252.8	276.0	292.4	303.3	311.5	306.1	273.3	250.1
77.5°	161.2	166.7	179.0	194.0	214.5	224.1	230.9	239.1	232.3	206.3	189.9
80°	117.5	118.9	125.7	139.4	153.0	154.4	161.2	172.2	168.1	150.3	138.0
82.5°	75.2	79.3	82.0	90.2	99.7	102.5	106.6	109.3	107.9	97.0	92.9
85°	43.7	43.7	46.5	51.9	54.7	58.8	60.1	61.5	64.2	57.4	53.3
87.5°	19.1	20.5	20.5	21.9	24.6	24.6	26.0	27.3	28.7	27.3	23.2
90°	1.1	2.0	2.8	3.7	4.6	5.0	5.3	5.9	6.6	7.2	7.8
92.5°	5.3	5.1	5.0	4.8	4.7	4.6	4.9	5.5	6.2	6.8	7.4
95°	19.4	16.7	14.1	11.4	8.7	7.4	7.4	7.5	7.6	7.7	7.8
97.5°	37.1	38.8	40.6	42.3	44.0	44.9	40.8	32.5	24.3	16.0	7.8
100°	58.0	59.4	60.8	62.3	63.7	64.4	59.0	48.1	37.3	26.4	15.6
102.5°	81.3	82.3	83.2	84.2	85.1	85.6	86.1	87.0	87.9	88.9	89.8
105°	106.4	106.9	107.4	107.9	108.4	108.6	108.8	109.2	109.5	109.9	110.3
107.5°	129.4	129.6	129.9	130.1	130.4	130.5	130.8	131.3	131.9	132.4	133.0
110°	152.8	153.0	153.2	153.5	153.7	153.8	154.0	154.5	155.0	155.5	156.0



TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.4	175.9	176.3	176.8	177.3	177.5	177.6	177.7	177.9	178.0	178.2
115°	198.7	198.9	199.2	199.4	199.7	199.8	199.8	199.7	199.6	199.5	199.4
117.5°	219.6	219.9	220.2	220.5	220.8	221.0	221.1	221.4	221.6	221.9	222.1
120°	240.8	241.1	241.4	241.7	242.0	242.2	242.2	242.1	242.0	242.0	241.9
122.5°	260.6	260.8	260.9	261.1	261.2	261.3	261.4	261.5	261.7	261.8	262.0
125°	279.4	279.7	280.0	280.3	280.6	280.8	280.7	280.6	280.4	280.3	280.1
127.5°	297.4	297.5	297.6	297.7	297.8	297.8	298.0	298.4	298.7	299.1	299.5
130°	314.7	314.8	314.9	315.0	315.1	315.1	315.2	315.4	315.7	315.9	316.1
132.5°	330.6	330.8	331.0	331.1	331.3	331.4	331.6	331.9	332.2	332.5	332.8
135°	346.6	346.5	346.4	346.3	346.2	346.2	346.4	346.7	347.0	347.3	347.6
137.5°	360.7	360.7	360.7	360.7	360.7	360.7	360.9	361.3	361.7	362.1	362.5
140°	374.5	374.7	374.8	375.0	375.1	375.2	375.3	375.4	375.6	375.7	375.9
142.5°	386.9	387.2	387.5	387.8	388.1	388.3	388.3	388.4	388.5	388.5	388.6
145°	399.6	399.8	400.1	400.3	400.6	400.7	400.7	400.7	400.7	400.7	400.7
147.5°	409.5	410.0	410.4	410.9	411.4	411.6	411.6	411.5	411.4	411.4	411.3
150°	420.5	420.8	421.1	421.4	421.7	421.9	421.9	421.8	421.7	421.6	421.5
152.5°	429.7	429.9	430.1	430.4	430.6	430.7	430.6	430.5	430.3	430.2	430.0
155°	438.1	438.2	438.3	438.4	438.5	438.5	438.4	438.1	437.9	437.6	437.4
157.5°	445.6	445.6	445.6	445.6	445.6	445.6	445.4	445.1	444.8	444.5	444.2
160°	451.9	451.7	451.5	451.2	451.0	450.9	450.9	450.8	450.7	450.6	450.5
162.5°	457.6	457.3	457.0	456.7	456.4	456.2	456.2	456.1	456.0	455.9	455.8
165°	462.2	461.8	461.4	461.0	460.6	460.4	460.4	460.4	460.4	460.4	460.4
167.5°	466.1	465.7	465.3	464.9	464.5	464.3	464.3	464.2	464.1	464.1	464.0
170°	469.3	468.8	468.3	467.8	467.3	467.1	467.1	467.2	467.3	467.4	467.5
172.5°	471.4	470.9	470.5	470.0	469.5	469.3	469.3	469.4	469.5	469.5	469.6
175°	472.8	472.3	471.9	471.4	470.9	470.7	470.7	470.8	470.9	470.9	471.0
177.5°	473.9	473.3	472.8	472.2	471.7	471.4	471.5	471.6	471.8	471.9	472.1
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1723.0	1747.6	1758.6	1761.3	1776.3	1766.8	1770.9	1769.5	1780.4	1781.8	1781.8
5°	1848.8	1877.4	1887.0	1900.7	1921.2	1926.6	1922.5	1930.7	1945.8	1934.8	1951.2
7.5°	1981.3	2012.7	2034.6	2064.6	2071.5	2089.2	2100.2	2109.7	2112.5	2113.8	2116.6
10°	2104.3	2143.9	2174.0	2224.5	2235.4	2245.0	2292.8	2273.7	2298.3	2290.1	2292.8
12.5°	2204.0	2281.9	2306.5	2391.2	2399.4	2432.2	2429.5	2459.5	2465.0	2475.9	2465.0
15°	2335.2	2425.4	2465.0	2512.8	2540.2	2578.4	2585.2	2626.2	2642.6	2657.7	2642.6
17.5°	2455.4	2503.3	2604.4	2642.6	2660.4	2680.9	2732.8	2747.8	2772.4	2762.9	2790.2
20°	2515.6	2583.9	2690.5	2756.0	2783.4	2802.5	2846.2	2869.5	2879.0	2879.0	2881.8
22.5°	2568.8	2667.2	2746.5	2821.6	2846.2	2859.9	2885.9	2903.6	2907.7	2910.4	2913.2
25°	2616.7	2705.5	2769.7	2812.1	2821.6	2821.6	2836.7	2825.7	2808.0	2821.6	2829.8
27.5°	2616.7	2679.5	2708.2	2723.3	2723.3	2686.4	2664.5	2619.4	2581.1	2570.2	2594.8
30°	2572.9	2601.6	2562.0	2525.1	2496.4	2471.8	2385.7	2317.4	2303.8	2294.2	2331.1
32.5°	2471.8	2434.9	2357.1	2250.5	2208.1	2152.1	2085.1	2033.2	2001.8	1990.9	1982.7
35°	2292.8	2197.2	2096.1	1952.6	1922.5	1851.5	1759.9	1721.7	1669.8	1668.4	1686.1
37.5°	2097.4	1949.9	1840.6	1703.9	1661.6	1586.4	1500.3	1460.7	1425.2	1397.8	1430.6
40°	1869.2	1740.8	1574.1	1462.1	1401.9	1362.3	1289.9	1246.2	1229.8	1216.1	1236.6
42.5°	1656.1	1515.3	1385.5	1270.8	1221.6	1176.5	1128.7	1086.3	1074.0	1072.6	1087.7
45°	1444.3	1306.3	1186.0	1087.7	1056.2	1028.9	982.4	970.1	949.7	936.0	942.8
47.5°	1274.9	1132.8	1033.0	957.9	930.5	907.3	877.2	856.7	839.0	833.5	841.7
50°	1108.2	1012.5	910.0	847.2	826.7	804.8	781.6	762.5	754.3	748.8	754.3
52.5°	974.2	871.8	802.1	751.5	731.0	714.6	698.2	690.0	679.1	681.8	687.3
55°	854.0	763.8	705.1	668.2	655.9	649.0	628.5	619.0	614.9	612.2	614.9
57.5°	740.6	675.0	631.3	599.9	583.5	579.4	563.0	563.0	558.9	554.8	556.1
60°	650.4	594.4	552.0	527.4	524.7	517.9	506.9	505.6	496.0	500.1	501.5
62.5°	558.9	513.8	485.1	470.0	460.5	457.7	450.9	449.5	445.4	446.8	444.1
65°	486.4	449.5	420.9	408.6	404.5	403.1	397.6	393.5	390.8	393.5	390.8
67.5°	414.0	389.4	367.6	355.3	349.8	348.4	344.3	341.6	343.0	338.9	341.6
70°	345.7	321.1	307.4	300.6	297.9	293.8	293.8	293.8	293.8	291.0	289.7
72.5°	291.0	266.4	256.9	252.8	250.1	248.7	244.6	246.0	244.6	243.2	248.7
75°	230.9	215.9	206.3	202.2	205.0	200.9	196.8	199.5	195.4	196.8	202.2
77.5°	174.9	168.1	162.6	159.9	157.1	154.4	154.4	151.7	151.7	151.7	151.7
80°	127.1	125.7	116.1	114.8	114.8	112.0	112.0	112.0	112.0	110.7	112.0
82.5°	84.7	83.4	80.6	79.3	76.5	77.9	77.9	75.2	75.2	73.8	75.2
85°	49.2	49.2	46.5	45.1	43.7	45.1	42.4	41.0	42.4	41.0	42.4
87.5°	23.2	20.5	21.9	20.5	17.8	19.1	16.4	17.8	16.4	15.0	17.8
90°	8.3	8.7	9.2	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	7.9	8.3	8.8	9.3	9.5	9.5	9.5	9.5	9.5	9.5	9.5
95°	8.3	8.7	9.2	9.7	9.9	9.9	10.0	10.1	10.2	10.3	10.2
97.5°	8.2	8.6	8.9	9.3	9.5	9.5	9.6	9.7	9.8	9.9	9.8
100°	14.2	12.9	11.5	10.2	9.5	9.5	9.6	9.7	9.8	9.9	9.8
102.5°	72.1	54.5	36.8	19.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3
105°	111.0	111.7	112.4	113.1	113.5	112.1	109.3	106.4	103.6	100.8	103.6
107.5°	133.4	133.8	134.1	134.5	134.7	134.9	135.2	135.5	135.8	136.1	135.8
110°	156.2	156.3	156.5	156.6	156.7	156.8	157.0	157.3	157.5	157.7	157.5

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	178.1	178.1	178.0	177.9	177.9	178.1	178.4	178.7	179.0	179.3	179.0
115°	199.6	199.8	199.9	200.1	200.2	200.2	200.2	200.2	200.2	200.2	200.2
117.5°	222.0	221.9	221.8	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
120°	242.1	242.2	242.4	242.5	242.6	242.5	242.4	242.2	242.1	241.9	242.1
122.5°	262.1	262.2	262.3	262.4	262.4	262.3	262.2	262.0	261.9	261.7	261.9
125°	280.3	280.5	280.8	281.0	281.1	281.1	281.2	281.3	281.4	281.5	281.4
127.5°	299.4	299.4	299.3	299.2	299.2	299.2	299.1	299.0	298.9	298.8	298.9
130°	316.2	316.3	316.4	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5
132.5°	332.9	332.9	333.0	333.1	333.1	333.1	333.0	332.9	332.9	332.8	332.9
135°	347.8	347.9	348.1	348.2	348.3	348.4	348.5	348.7	348.8	349.0	348.8
137.5°	362.7	362.8	363.0	363.1	363.2	363.2	363.1	363.0	362.9	362.8	362.9
140°	376.1	376.4	376.6	376.9	377.0	377.0	377.1	377.2	377.2	377.3	377.2
142.5°	388.8	388.9	389.1	389.2	389.3	389.3	389.3	389.3	389.3	389.3	389.3
145°	400.8	400.8	400.9	401.0	401.0	401.1	401.2	401.4	401.5	401.7	401.5
147.5°	411.4	411.4	411.5	411.6	411.6	411.6	411.7	411.8	411.9	412.0	411.9
150°	421.5	421.5	421.5	421.5	421.5	421.5	421.6	421.7	421.8	421.9	421.8
152.5°	430.2	430.3	430.5	430.6	430.7	430.7	430.6	430.5	430.5	430.4	430.5
155°	437.7	438.1	438.4	438.7	438.9	438.8	438.5	438.3	438.0	437.8	438.0
157.5°	444.6	445.0	445.3	445.7	445.9	445.7	445.3	445.0	444.6	444.2	444.6
160°	451.0	451.4	451.9	452.4	452.6	452.4	451.9	451.4	451.0	450.5	451.0
162.5°	456.3	456.8	457.3	457.8	458.0	457.7	457.2	456.6	456.1	455.5	456.1
165°	461.0	461.7	462.3	463.0	463.3	462.9	462.2	461.5	460.8	460.1	460.8
167.5°	464.7	465.4	466.1	466.8	467.1	466.7	465.9	465.2	464.4	463.6	464.4
170°	468.1	468.7	469.4	470.0	470.3	469.9	469.1	468.4	467.6	466.8	467.6
172.5°	470.2	470.9	471.5	472.2	472.5	472.1	471.2	470.3	469.5	468.6	469.5
175°	471.7	472.4	473.1	473.8	474.2	473.7	472.8	471.9	470.9	470.0	470.9
177.5°	472.7	473.3	474.0	474.6	474.9	474.4	473.5	472.6	471.6	470.7	471.6
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1779.1	1775.0	1769.5	1769.5	1762.7	1762.7	1751.7	1732.6	1716.2	1710.7	1713.5
5°	1930.7	1932.1	1923.9	1917.1	1904.8	1895.2	1877.4	1843.3	1832.4	1810.5	1795.5
7.5°	2104.3	2098.8	2083.8	2072.8	2070.1	2048.2	2010.0	1969.0	1936.2	1914.3	1882.9
10°	2299.7	2277.8	2255.9	2249.1	2232.7	2195.8	2152.1	2107.0	2061.9	2014.1	1960.8
12.5°	2463.6	2421.3	2419.9	2403.5	2372.1	2351.6	2299.7	2235.4	2157.6	2104.3	2044.1
15°	2639.9	2600.3	2567.5	2537.4	2522.4	2462.3	2418.5	2337.9	2245.0	2187.6	2146.6
17.5°	2765.6	2747.8	2691.8	2678.2	2657.7	2588.0	2518.3	2439.0	2358.4	2277.8	2167.1
20°	2866.7	2855.8	2818.9	2799.8	2767.0	2712.3	2627.6	2536.1	2443.1	2328.4	2224.5
22.5°	2910.4	2896.8	2866.7	2850.3	2829.8	2783.4	2711.0	2607.1	2485.5	2383.0	2272.3
25°	2824.4	2849.0	2840.8	2833.9	2825.7	2798.4	2743.7	2652.2	2533.3	2417.2	2279.2
27.5°	2630.3	2672.7	2713.7	2719.2	2732.8	2743.7	2721.9	2656.3	2556.6	2433.6	2281.9
30°	2369.4	2388.5	2471.8	2496.4	2515.6	2585.2	2626.2	2609.8	2533.3	2422.6	2283.3
32.5°	2034.6	2085.1	2169.9	2228.6	2280.5	2358.4	2465.0	2507.4	2480.0	2389.8	2251.8
35°	1717.6	1777.7	1876.1	1951.2	2003.2	2113.8	2239.5	2331.1	2365.3	2320.2	2197.2
37.5°	1458.0	1530.4	1617.8	1646.5	1706.6	1843.3	2016.8	2143.9	2227.2	2231.3	2135.7
40°	1262.6	1299.5	1369.1	1412.9	1471.6	1586.4	1755.8	1923.9	2049.6	2092.0	2041.4
42.5°	1097.2	1125.9	1177.8	1231.1	1284.4	1371.9	1527.6	1684.8	1854.2	1938.9	1937.6
45°	966.1	996.1	1031.6	1075.4	1112.3	1206.5	1329.5	1490.8	1637.0	1768.1	1800.9
47.5°	851.3	877.2	921.0	940.1	964.7	1053.5	1160.1	1310.4	1462.1	1612.4	1650.6
50°	766.6	788.4	818.5	830.8	858.1	923.7	1011.1	1132.8	1300.8	1438.8	1509.9
52.5°	690.0	706.4	729.7	739.2	758.4	807.5	886.8	982.4	1121.8	1263.9	1363.7
55°	624.4	635.4	651.8	662.7	676.4	720.1	778.9	864.9	985.2	1108.2	1205.2
57.5°	563.0	571.2	587.6	593.0	604.0	638.1	679.1	751.5	862.2	971.5	1065.8
60°	505.6	511.0	520.6	532.9	541.1	564.3	602.6	662.7	751.5	851.3	927.8
62.5°	450.9	459.1	461.8	467.3	474.1	496.0	526.1	569.8	647.7	729.7	810.3
65°	394.9	401.7	407.2	408.6	415.4	431.8	459.1	497.4	547.9	619.0	694.1
67.5°	343.0	347.1	349.8	355.3	362.1	370.3	392.2	420.9	467.3	524.7	584.8
70°	295.1	295.1	299.2	300.6	308.8	318.4	327.9	355.3	396.3	442.7	483.7
72.5°	243.2	250.1	248.7	255.5	254.2	261.0	273.3	291.0	321.1	358.0	397.6
75°	198.1	202.2	202.2	202.2	205.0	210.4	217.3	233.7	256.9	286.9	310.2
77.5°	154.4	157.1	157.1	157.1	158.5	164.0	170.8	181.7	198.1	215.9	229.6
80°	110.7	113.4	113.4	116.1	116.1	117.5	124.3	129.8	138.0	151.7	165.3
82.5°	75.2	76.5	79.3	79.3	77.9	80.6	82.0	87.5	95.6	98.4	107.9
85°	41.0	42.4	43.7	43.7	45.1	47.8	46.5	51.9	51.9	57.4	60.1
87.5°	16.4	19.1	19.1	17.8	19.1	19.1	19.1	21.9	23.2	24.6	23.2
90°	10.3	10.1	10.0	9.9	9.7	9.2	8.7	8.3	7.8	7.2	6.6
92.5°	9.5	9.5	9.5	9.5	9.3	8.8	8.3	7.9	7.4	6.8	6.2
95°	10.1	10.0	9.9	9.9	9.7	9.2	8.7	8.3	7.8	7.7	7.6
97.5°	9.7	9.6	9.5	9.5	9.3	8.9	8.6	8.2	7.8	16.0	24.3
100°	9.7	9.6	9.5	9.5	10.2	11.5	12.9	14.2	15.6	26.4	37.3
102.5°	10.3	10.3	10.3	10.3	19.1	36.8	54.5	72.1	89.8	88.9	87.9
105°	106.4	109.3	112.1	113.5	113.1	112.4	111.7	111.0	110.3	109.9	109.5
107.5°	135.5	135.2	134.9	134.7	134.5	134.1	133.8	133.4	133.0	132.4	131.9
110°	157.3	157.0	156.8	156.7	156.6	156.5	156.3	156.2	156.0	155.5	155.0



TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	178.7	178.4	178.1	177.9	177.9	178.0	178.1	178.1	178.2	178.0	177.9
115°	200.2	200.2	200.2	200.2	200.1	199.9	199.8	199.6	199.4	199.5	199.6
117.5°	221.7	221.7	221.7	221.7	221.7	221.8	221.9	222.0	222.1	221.9	221.6
120°	242.2	242.4	242.5	242.6	242.5	242.4	242.2	242.1	241.9	242.0	242.0
122.5°	262.0	262.2	262.3	262.4	262.4	262.3	262.2	262.1	262.0	261.8	261.7
125°	281.3	281.2	281.1	281.1	281.0	280.8	280.5	280.3	280.1	280.3	280.4
127.5°	299.0	299.1	299.2	299.2	299.2	299.3	299.4	299.4	299.5	299.1	298.7
130°	316.5	316.5	316.5	316.5	316.5	316.4	316.3	316.2	316.1	315.9	315.7
132.5°	332.9	333.0	333.1	333.1	333.1	333.0	332.9	332.9	332.8	332.5	332.2
135°	348.7	348.5	348.4	348.3	348.2	348.1	347.9	347.8	347.6	347.3	347.0
137.5°	363.0	363.1	363.2	363.2	363.1	363.0	362.8	362.7	362.5	362.1	361.7
140°	377.2	377.1	377.0	377.0	376.9	376.6	376.4	376.1	375.9	375.7	375.6
142.5°	389.3	389.3	389.3	389.3	389.2	389.1	388.9	388.8	388.6	388.5	388.5
145°	401.4	401.2	401.1	401.0	401.0	400.9	400.8	400.8	400.7	400.7	400.7
147.5°	411.8	411.7	411.6	411.6	411.6	411.5	411.4	411.4	411.3	411.4	411.4
150°	421.7	421.6	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.6	421.7
152.5°	430.5	430.6	430.7	430.7	430.6	430.5	430.3	430.2	430.0	430.2	430.3
155°	438.3	438.5	438.8	438.9	438.7	438.4	438.1	437.7	437.4	437.6	437.9
157.5°	445.0	445.3	445.7	445.9	445.7	445.3	445.0	444.6	444.2	444.5	444.8
160°	451.4	451.9	452.4	452.6	452.4	451.9	451.4	451.0	450.5	450.6	450.7
162.5°	456.6	457.2	457.7	458.0	457.8	457.3	456.8	456.3	455.8	455.9	456.0
165°	461.5	462.2	462.9	463.3	463.0	462.3	461.7	461.0	460.4	460.4	460.4
167.5°	465.2	465.9	466.7	467.1	466.8	466.1	465.4	464.7	464.0	464.1	464.1
170°	468.4	469.1	469.9	470.3	470.0	469.4	468.7	468.1	467.5	467.4	467.3
172.5°	470.3	471.2	472.1	472.5	472.2	471.5	470.9	470.2	469.6	469.5	469.5
175°	471.9	472.8	473.7	474.2	473.8	473.1	472.4	471.7	471.0	470.9	470.9
177.5°	472.6	473.5	474.4	474.9	474.6	474.0	473.3	472.7	472.1	471.9	471.8
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1701.2	1695.7	1691.6	1691.6	1679.3	1667.0	1660.2	1657.5	1654.7	1643.8	1628.8
5°	1770.9	1753.1	1740.8	1728.5	1708.0	1686.1	1664.3	1652.0	1634.2	1609.6	1591.9
7.5°	1848.8	1806.4	1792.7	1777.7	1736.7	1699.8	1669.8	1643.8	1615.1	1583.7	1552.2
10°	1914.3	1869.2	1839.2	1813.2	1759.9	1710.7	1665.7	1627.4	1590.5	1549.5	1511.2
12.5°	1977.2	1913.0	1881.5	1843.3	1787.3	1716.2	1657.5	1609.6	1555.0	1512.6	1466.2
15°	2064.6	1956.7	1904.8	1880.2	1805.0	1721.7	1650.6	1579.6	1534.5	1470.3	1429.3
17.5°	2078.3	1990.9	1956.7	1893.8	1803.7	1709.4	1627.4	1556.3	1488.0	1430.6	1377.3
20°	2126.1	2011.4	1956.7	1917.1	1798.2	1702.5	1612.4	1520.8	1455.2	1393.7	1333.6
22.5°	2156.2	2026.4	1969.0	1906.1	1792.7	1677.9	1571.4	1492.1	1411.5	1348.6	1300.8
25°	2148.0	2018.2	1954.0	1895.2	1757.2	1642.4	1546.8	1445.7	1370.5	1302.2	1239.3
27.5°	2143.9	1997.7	1929.4	1863.8	1734.0	1613.7	1493.5	1411.5	1328.1	1248.9	1202.4
30°	2133.0	1971.7	1892.5	1821.4	1686.1	1560.4	1458.0	1362.3	1279.0	1206.5	1145.1
32.5°	2096.1	1928.0	1851.5	1775.0	1634.2	1508.5	1404.7	1315.9	1232.5	1157.3	1098.6
35°	2046.9	1876.1	1792.7	1712.1	1571.4	1444.3	1348.6	1255.7	1177.8	1105.4	1049.4
37.5°	1997.7	1816.0	1738.1	1645.2	1515.3	1382.8	1284.4	1201.1	1128.7	1053.5	992.0
40°	1926.6	1744.9	1658.8	1579.6	1427.9	1303.6	1213.4	1138.2	1067.2	996.1	944.2
42.5°	1829.6	1667.0	1578.2	1490.8	1348.6	1225.7	1138.2	1071.3	1004.3	945.6	888.2
45°	1731.2	1572.7	1493.5	1415.6	1261.2	1145.1	1064.4	1002.9	946.9	882.7	836.2
47.5°	1612.4	1478.5	1399.2	1322.7	1176.5	1060.3	986.5	929.2	877.2	823.9	780.2
50°	1490.8	1374.6	1302.2	1222.9	1083.6	978.3	905.9	858.1	815.7	765.2	729.7
52.5°	1359.6	1258.5	1197.0	1120.5	997.5	900.5	826.7	778.9	743.3	706.4	675.0
55°	1220.2	1146.4	1080.8	1019.3	903.2	815.7	750.2	707.8	683.2	649.0	621.7
57.5°	1094.5	1023.4	983.8	914.1	813.0	726.9	675.0	639.5	610.8	590.3	568.4
60°	963.3	905.9	862.2	811.6	722.8	650.4	595.8	575.3	545.2	530.2	520.6
62.5°	837.6	796.6	755.6	717.4	638.1	569.8	528.8	502.8	485.1	470.0	461.8
65°	718.7	680.5	651.8	617.6	552.0	497.4	459.1	438.6	420.9	416.8	407.2
67.5°	602.6	586.2	554.8	527.4	471.4	429.1	400.4	374.4	364.8	360.7	352.5
70°	504.2	485.1	460.5	437.3	394.9	358.0	332.0	322.5	308.8	307.4	297.9
72.5°	415.4	392.2	374.4	356.6	325.2	292.4	278.7	265.1	258.3	252.8	248.7
75°	329.3	312.9	300.6	285.6	258.3	236.4	217.3	211.8	207.7	206.3	203.6
77.5°	246.0	235.0	229.6	214.5	195.4	176.3	168.1	159.9	159.9	157.1	158.5
80°	174.9	168.1	161.2	153.0	136.6	128.4	121.6	116.1	113.4	112.0	113.4
82.5°	110.7	106.6	105.2	99.7	88.8	84.7	79.3	75.2	75.2	75.2	75.2
85°	61.5	61.5	61.5	53.3	49.2	45.1	42.4	41.0	41.0	41.0	42.4
87.5°	26.0	26.0	21.9	21.9	20.5	17.8	16.4	16.4	17.8	17.8	19.1
90°	5.9	5.3	5.0	4.6	3.7	2.8	2.0	1.1	2.0	2.8	3.7
92.5°	5.5	4.9	4.6	4.7	4.8	5.0	5.1	5.3	5.1	5.0	4.8
95°	7.5	7.4	7.4	8.7	11.4	14.1	16.7	19.4	16.7	14.1	11.4
97.5°	32.5	40.8	44.9	44.0	42.3	40.6	38.8	37.1	38.8	40.6	42.3
100°	48.1	59.0	64.4	63.7	62.3	60.8	59.4	58.0	59.4	60.8	62.3
102.5°	87.0	86.1	85.6	85.1	84.2	83.2	82.3	81.3	82.3	83.2	84.2
105°	109.2	108.8	108.6	108.4	107.9	107.4	106.9	106.4	106.9	107.4	107.9
107.5°	131.3	130.8	130.5	130.4	130.1	129.9	129.6	129.4	129.6	129.9	130.1
110°	154.5	154.0	153.8	153.7	153.5	153.2	153.0	152.8	153.0	153.2	153.5

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	177.7	177.6	177.5	177.3	176.8	176.3	175.9	175.4	175.9	176.3	176.8
115°	199.7	199.8	199.8	199.7	199.4	199.2	198.9	198.7	198.9	199.2	199.4
117.5°	221.4	221.1	221.0	220.8	220.5	220.2	219.9	219.6	219.9	220.2	220.5
120°	242.1	242.2	242.2	242.0	241.7	241.4	241.1	240.8	241.1	241.4	241.7
122.5°	261.5	261.4	261.3	261.2	261.1	260.9	260.8	260.6	260.8	260.9	261.1
125°	280.6	280.7	280.8	280.6	280.3	280.0	279.7	279.4	279.7	280.0	280.3
127.5°	298.4	298.0	297.8	297.8	297.7	297.6	297.5	297.4	297.5	297.6	297.7
130°	315.4	315.2	315.1	315.1	315.0	314.9	314.8	314.7	314.8	314.9	315.0
132.5°	331.9	331.6	331.4	331.3	331.1	331.0	330.8	330.6	330.8	331.0	331.1
135°	346.7	346.4	346.2	346.2	346.3	346.4	346.5	346.6	346.5	346.4	346.3
137.5°	361.3	360.9	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7
140°	375.4	375.3	375.2	375.1	375.0	374.8	374.7	374.5	374.7	374.8	375.0
142.5°	388.4	388.3	388.3	388.1	387.8	387.5	387.2	386.9	387.2	387.5	387.8
145°	400.7	400.7	400.7	400.6	400.3	400.1	399.8	399.6	399.8	400.1	400.3
147.5°	411.5	411.6	411.6	411.4	410.9	410.4	410.0	409.5	410.0	410.4	410.9
150°	421.8	421.9	421.9	421.7	421.4	421.1	420.8	420.5	420.8	421.1	421.4
152.5°	430.5	430.6	430.7	430.6	430.4	430.1	429.9	429.7	429.9	430.1	430.4
155°	438.1	438.4	438.5	438.5	438.4	438.3	438.2	438.1	438.2	438.3	438.4
157.5°	445.1	445.4	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6
160°	450.8	450.9	450.9	451.0	451.2	451.5	451.7	451.9	451.7	451.5	451.2
162.5°	456.1	456.2	456.2	456.4	456.7	457.0	457.3	457.6	457.3	457.0	456.7
165°	460.4	460.4	460.4	460.6	461.0	461.4	461.8	462.2	461.8	461.4	461.0
167.5°	464.2	464.3	464.3	464.5	464.9	465.3	465.7	466.1	465.7	465.3	464.9
170°	467.2	467.1	467.1	467.3	467.8	468.3	468.8	469.3	468.8	468.3	467.8
172.5°	469.4	469.3	469.3	469.5	470.0	470.5	470.9	471.4	470.9	470.5	470.0
175°	470.8	470.7	470.7	470.9	471.4	471.9	472.3	472.8	472.3	471.9	471.4
177.5°	471.6	471.5	471.4	471.7	472.2	472.8	473.3	473.9	473.3	472.8	472.2
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1624.7	1619.2	1621.9	1608.3	1596.0	1578.2	1563.2	1560.4	1557.7	1565.9	1560.4
5°	1578.2	1571.4	1564.5	1548.1	1523.5	1508.5	1486.7	1485.3	1477.1	1464.8	1467.5
7.5°	1527.6	1523.5	1514.0	1488.0	1466.2	1440.2	1422.4	1407.4	1400.6	1389.6	1385.5
10°	1486.7	1471.6	1463.4	1434.7	1408.8	1381.4	1358.2	1347.3	1335.0	1325.4	1318.6
12.5°	1430.6	1426.5	1403.3	1380.1	1358.2	1326.8	1309.0	1277.6	1261.2	1269.4	1266.7
15°	1393.7	1374.6	1369.1	1336.3	1299.5	1279.0	1246.2	1225.7	1218.8	1206.5	1191.5
17.5°	1344.5	1332.2	1313.1	1283.1	1240.7	1212.0	1188.8	1169.6	1161.4	1145.1	1132.8
20°	1298.1	1277.6	1262.6	1235.2	1194.2	1157.3	1128.7	1116.4	1095.9	1082.2	1075.4
22.5°	1255.7	1240.7	1218.8	1177.8	1142.3	1106.8	1072.6	1054.9	1035.7	1027.5	1016.6
25°	1203.8	1179.2	1164.2	1119.1	1080.8	1052.1	1020.7	997.5	986.5	972.9	970.1
27.5°	1153.2	1130.0	1112.3	1072.6	1026.2	989.3	970.1	953.8	934.6	934.6	927.8
30°	1102.7	1086.3	1059.0	1020.7	977.0	941.5	919.6	904.6	897.7	892.3	890.9
32.5°	1052.1	1030.3	1013.9	962.0	929.2	896.4	880.0	867.7	859.5	858.1	859.5
35°	1000.2	975.6	959.2	912.8	880.0	849.9	843.1	832.1	828.0	826.7	833.5
37.5°	945.6	926.4	905.9	867.7	830.8	813.0	799.3	795.2	793.9	802.1	804.8
40°	895.0	878.6	859.5	818.5	791.2	772.0	765.2	761.1	766.6	774.8	778.9
42.5°	847.2	823.9	808.9	772.0	747.4	736.5	728.3	728.3	733.8	743.3	750.2
45°	796.6	778.9	763.8	731.0	709.2	696.9	695.5	696.9	703.7	710.5	718.7
47.5°	747.4	729.7	713.3	685.9	666.8	660.0	658.6	660.0	670.9	680.5	690.0
50°	702.3	683.2	668.2	642.2	627.2	619.0	620.3	627.2	635.4	649.0	661.3
52.5°	649.0	635.4	621.7	598.5	584.8	579.4	583.5	588.9	604.0	613.5	628.5
55°	597.1	584.8	573.9	556.1	545.2	541.1	543.8	552.0	564.3	580.7	598.5
57.5°	549.3	535.6	524.7	512.4	500.1	501.5	502.8	513.8	528.8	543.8	564.3
60°	496.0	487.8	478.2	463.2	457.7	457.7	461.8	474.1	487.8	512.4	530.2
62.5°	448.2	437.3	430.4	420.9	412.7	414.0	423.6	434.5	450.9	471.4	494.6
65°	399.0	386.7	381.2	373.0	370.3	371.7	378.5	394.9	412.7	430.4	452.3
67.5°	344.3	340.2	334.8	326.6	329.3	330.7	337.5	351.2	370.3	388.1	412.7
70°	297.9	289.7	288.3	281.5	281.5	285.6	299.2	308.8	326.6	345.7	371.7
72.5°	248.7	241.9	241.9	236.4	240.5	244.6	251.4	265.1	281.5	300.6	322.5
75°	198.1	195.4	198.1	195.4	195.4	202.2	210.4	221.4	239.1	259.6	277.4
77.5°	153.0	153.0	151.7	155.8	155.8	159.9	170.8	181.7	195.4	211.8	230.9
80°	112.0	112.0	112.0	116.1	120.2	120.2	127.1	140.7	153.0	164.0	181.7
82.5°	76.5	76.5	76.5	79.3	84.7	84.7	92.9	101.1	114.8	124.3	132.5
85°	46.5	46.5	45.1	47.8	49.2	53.3	60.1	65.6	72.4	80.6	88.8
87.5°	20.5	20.5	21.9	23.2	24.6	27.3	30.1	32.8	39.6	42.4	46.5
90°	4.6	5.0	5.3	5.9	6.6	7.2	7.8	8.3	8.7	9.2	9.7
92.5°	4.7	4.6	4.9	5.5	6.2	6.8	7.4	7.9	8.3	8.8	9.3
95°	8.7	7.4	7.4	7.5	7.6	7.7	7.8	8.3	8.7	9.2	9.7
97.5°	44.0	44.9	40.8	32.5	24.3	16.0	7.8	8.2	8.6	8.9	9.3
100°	63.7	64.4	59.0	48.1	37.3	26.4	15.6	14.2	12.9	11.5	10.2
102.5°	85.1	85.6	86.1	87.0	87.9	88.9	89.8	72.1	54.5	36.8	19.1
105°	108.4	108.6	108.8	109.2	109.5	109.9	110.3	111.0	111.7	112.4	113.1
107.5°	130.4	130.5	130.8	131.3	131.9	132.4	133.0	133.4	133.8	134.1	134.5
110°	153.7	153.8	154.0	154.5	155.0	155.5	156.0	156.2	156.3	156.5	156.6

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.3	177.5	177.6	177.7	177.9	178.0	178.2	178.1	178.1	178.0	177.9
115°	199.7	199.8	199.8	199.7	199.6	199.5	199.4	199.6	199.8	199.9	200.1
117.5°	220.8	221.0	221.1	221.4	221.6	221.9	222.1	222.0	221.9	221.8	221.7
120°	242.0	242.2	242.2	242.1	242.0	242.0	241.9	242.1	242.2	242.4	242.5
122.5°	261.2	261.3	261.4	261.5	261.7	261.8	262.0	262.1	262.2	262.3	262.4
125°	280.6	280.8	280.7	280.6	280.4	280.3	280.1	280.3	280.5	280.8	281.0
127.5°	297.8	297.8	298.0	298.4	298.7	299.1	299.5	299.4	299.4	299.3	299.2
130°	315.1	315.1	315.2	315.4	315.7	315.9	316.1	316.2	316.3	316.4	316.5
132.5°	331.3	331.4	331.6	331.9	332.2	332.5	332.8	332.9	332.9	333.0	333.1
135°	346.2	346.2	346.4	346.7	347.0	347.3	347.6	347.8	347.9	348.1	348.2
137.5°	360.7	360.7	360.9	361.3	361.7	362.1	362.5	362.7	362.8	363.0	363.1
140°	375.1	375.2	375.3	375.4	375.6	375.7	375.9	376.1	376.4	376.6	376.9
142.5°	388.1	388.3	388.3	388.4	388.5	388.5	388.6	388.8	388.9	389.1	389.2
145°	400.6	400.7	400.7	400.7	400.7	400.7	400.7	400.8	400.8	400.9	401.0
147.5°	411.4	411.6	411.6	411.5	411.4	411.4	411.3	411.4	411.4	411.5	411.6
150°	421.7	421.9	421.9	421.8	421.7	421.6	421.5	421.5	421.5	421.5	421.5
152.5°	430.6	430.7	430.6	430.5	430.3	430.2	430.0	430.2	430.3	430.5	430.6
155°	438.5	438.5	438.4	438.1	437.9	437.6	437.4	437.7	438.1	438.4	438.7
157.5°	445.6	445.6	445.4	445.1	444.8	444.5	444.2	444.6	445.0	445.3	445.7
160°	451.0	450.9	450.9	450.8	450.7	450.6	450.5	451.0	451.4	451.9	452.4
162.5°	456.4	456.2	456.2	456.1	456.0	455.9	455.8	456.3	456.8	457.3	457.8
165°	460.6	460.4	460.4	460.4	460.4	460.4	460.4	461.0	461.7	462.3	463.0
167.5°	464.5	464.3	464.3	464.2	464.1	464.1	464.0	464.7	465.4	466.1	466.8
170°	467.3	467.1	467.1	467.2	467.3	467.4	467.5	468.1	468.7	469.4	470.0
172.5°	469.5	469.3	469.3	469.4	469.5	469.5	469.6	470.2	470.9	471.5	472.2
175°	470.9	470.7	470.7	470.8	470.9	470.9	471.0	471.7	472.4	473.1	473.8
177.5°	471.7	471.4	471.5	471.6	471.8	471.9	472.1	472.7	473.3	474.0	474.6
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1556.3	1555.0	1548.1	1550.9	1542.7	1545.4	1549.5	1550.9	1556.3	1552.2	1550.9
5°	1460.7	1458.0	1453.9	1449.8	1448.4	1453.9	1444.3	1447.0	1449.8	1453.9	1459.3
7.5°	1382.8	1381.4	1377.3	1370.5	1367.8	1365.0	1366.4	1376.0	1374.6	1373.2	1382.8
10°	1311.8	1313.1	1304.9	1303.6	1295.4	1294.0	1295.4	1298.1	1302.2	1307.7	1309.0
12.5°	1238.0	1255.7	1240.7	1235.2	1222.9	1229.8	1232.5	1220.2	1227.0	1231.1	1251.6
15°	1191.5	1183.3	1173.7	1173.7	1168.3	1165.5	1158.7	1168.3	1173.7	1181.9	1179.2
17.5°	1127.3	1113.6	1108.2	1102.7	1104.1	1109.5	1094.5	1116.4	1116.4	1120.5	1113.6
20°	1071.3	1060.3	1053.5	1050.8	1046.7	1043.9	1042.6	1048.0	1056.2	1059.0	1065.8
22.5°	1012.5	1012.5	1001.6	997.5	994.7	990.6	997.5	993.4	998.8	1004.3	1015.2
25°	963.3	963.3	959.2	953.8	949.7	946.9	951.0	949.7	953.8	960.6	963.3
27.5°	923.7	919.6	918.2	916.9	915.5	916.9	915.5	919.6	923.7	925.1	922.3
30°	889.5	885.4	886.8	886.8	888.2	886.8	885.4	889.5	890.9	888.2	889.5
32.5°	858.1	858.1	860.8	862.2	862.2	863.6	864.9	862.2	863.6	859.5	860.8
35°	832.1	834.9	837.6	839.0	840.3	839.0	841.7	840.3	837.6	834.9	833.5
37.5°	806.2	808.9	814.4	815.7	819.8	821.2	818.5	818.5	817.1	811.6	808.9
40°	778.9	781.6	788.4	792.5	795.2	799.3	796.6	796.6	791.2	785.7	781.6
42.5°	752.9	758.4	765.2	769.3	774.8	774.8	774.8	772.0	765.2	759.7	755.6
45°	726.9	728.3	737.9	744.7	750.2	750.2	750.2	746.1	742.0	731.0	725.6
47.5°	698.2	702.3	713.3	720.1	725.6	726.9	726.9	722.8	714.6	705.1	698.2
50°	666.8	673.6	685.9	695.5	702.3	705.1	701.0	698.2	688.7	677.7	669.5
52.5°	636.7	644.9	660.0	668.2	677.7	679.1	677.7	673.6	662.7	647.7	640.8
55°	606.7	613.5	629.9	643.6	651.8	654.5	651.8	644.9	631.3	616.3	609.4
57.5°	573.9	583.5	601.2	614.9	624.4	625.8	623.1	616.3	605.3	586.2	576.6
60°	539.7	552.0	569.8	583.5	595.8	597.1	594.4	584.8	571.2	552.0	543.8
62.5°	505.6	515.1	535.6	550.7	560.2	567.1	561.6	552.0	538.4	519.2	506.9
65°	465.9	479.6	497.4	511.0	522.0	523.3	520.6	512.4	497.4	476.9	467.3
67.5°	427.7	437.3	455.0	472.8	476.9	481.0	476.9	468.7	456.4	438.6	425.0
70°	381.2	389.4	411.3	423.6	429.1	433.2	430.4	422.2	411.3	394.9	384.0
72.5°	334.8	341.6	362.1	371.7	382.6	381.2	379.9	374.4	359.4	348.4	341.6
75°	285.6	293.8	307.4	319.7	323.8	323.8	323.8	319.7	310.2	292.4	285.6
77.5°	240.5	244.6	255.5	262.4	266.4	267.8	266.4	259.6	254.2	241.9	237.8
80°	184.5	195.4	203.6	205.0	210.4	210.4	210.4	207.7	202.2	189.9	188.6
82.5°	139.4	142.1	150.3	154.4	157.1	155.8	155.8	150.3	148.9	142.1	139.4
85°	94.3	98.4	97.0	102.5	103.8	101.1	101.1	103.8	97.0	98.4	94.3
87.5°	51.9	51.9	54.7	53.3	58.8	58.8	56.0	57.4	54.7	53.3	51.9
90°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
95°	9.9	9.9	10.0	10.1	10.2	10.3	10.2	10.1	10.0	9.9	9.9
97.5°	9.5	9.5	9.6	9.7	9.8	9.9	9.8	9.7	9.6	9.5	9.5
100°	9.5	9.5	9.6	9.7	9.8	9.9	9.8	9.7	9.6	9.5	9.5
102.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
105°	113.5	112.1	109.3	106.4	103.6	100.8	103.6	106.4	109.3	112.1	113.5
107.5°	134.7	134.9	135.2	135.5	135.8	136.1	135.8	135.5	135.2	134.9	134.7
110°	156.7	156.8	157.0	157.3	157.5	157.7	157.5	157.3	157.0	156.8	156.7

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	177.9	178.1	178.4	178.7	179.0	179.3	179.0	178.7	178.4	178.1	177.9
115°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
117.5°	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
120°	242.6	242.5	242.4	242.2	242.1	241.9	242.1	242.2	242.4	242.5	242.6
122.5°	262.4	262.3	262.2	262.0	261.9	261.7	261.9	262.0	262.2	262.3	262.4
125°	281.1	281.1	281.2	281.3	281.4	281.5	281.4	281.3	281.2	281.1	281.1
127.5°	299.2	299.2	299.1	299.0	298.9	298.8	298.9	299.0	299.1	299.2	299.2
130°	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5
132.5°	333.1	333.1	333.0	332.9	332.9	332.8	332.9	332.9	333.0	333.1	333.1
135°	348.3	348.4	348.5	348.7	348.8	349.0	348.8	348.7	348.5	348.4	348.3
137.5°	363.2	363.2	363.1	363.0	362.9	362.8	362.9	363.0	363.1	363.2	363.2
140°	377.0	377.0	377.1	377.2	377.2	377.3	377.2	377.2	377.1	377.0	377.0
142.5°	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3
145°	401.0	401.1	401.2	401.4	401.5	401.7	401.5	401.4	401.2	401.1	401.0
147.5°	411.6	411.6	411.7	411.8	411.9	412.0	411.9	411.8	411.7	411.6	411.6
150°	421.5	421.5	421.6	421.7	421.8	421.9	421.8	421.7	421.6	421.5	421.5
152.5°	430.7	430.7	430.6	430.5	430.5	430.4	430.5	430.5	430.6	430.7	430.7
155°	438.9	438.8	438.5	438.3	438.0	437.8	438.0	438.3	438.5	438.8	438.9
157.5°	445.9	445.7	445.3	445.0	444.6	444.2	444.6	445.0	445.3	445.7	445.9
160°	452.6	452.4	451.9	451.4	451.0	450.5	451.0	451.4	451.9	452.4	452.6
162.5°	458.0	457.7	457.2	456.6	456.1	455.5	456.1	456.6	457.2	457.7	458.0
165°	463.3	462.9	462.2	461.5	460.8	460.1	460.8	461.5	462.2	462.9	463.3
167.5°	467.1	466.7	465.9	465.2	464.4	463.6	464.4	465.2	465.9	466.7	467.1
170°	470.3	469.9	469.1	468.4	467.6	466.8	467.6	468.4	469.1	469.9	470.3
172.5°	472.5	472.1	471.2	470.3	469.5	468.6	469.5	470.3	471.2	472.1	472.5
175°	474.2	473.7	472.8	471.9	470.9	470.0	470.9	471.9	472.8	473.7	474.2
177.5°	474.9	474.4	473.5	472.6	471.6	470.7	471.6	472.6	473.5	474.4	474.9
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1550.9	1559.1	1550.9	1556.3	1559.1	1565.9	1568.6	1580.9	1585.0	1594.6	1594.6
5°	1458.0	1462.1	1463.4	1468.9	1474.4	1488.0	1497.6	1515.3	1535.8	1538.6	1550.9
7.5°	1382.8	1389.6	1400.6	1396.5	1406.0	1426.5	1438.8	1460.7	1481.2	1492.1	1507.1
10°	1315.9	1324.0	1328.1	1332.2	1350.0	1367.8	1386.9	1401.9	1429.3	1445.7	1458.0
12.5°	1261.2	1254.4	1262.6	1277.6	1298.1	1309.0	1335.0	1358.2	1378.7	1396.5	1407.4
15°	1190.1	1195.6	1203.8	1229.8	1235.2	1262.6	1272.1	1298.1	1336.3	1352.7	1366.4
17.5°	1121.8	1139.6	1156.0	1165.5	1181.9	1203.8	1231.1	1259.8	1284.4	1303.6	1320.0
20°	1067.2	1084.9	1094.5	1101.3	1117.7	1147.8	1173.7	1209.3	1240.7	1255.7	1277.6
22.5°	1023.4	1023.4	1037.1	1057.6	1067.2	1095.9	1117.7	1156.0	1190.1	1209.3	1229.8
25°	968.8	977.0	987.9	1005.7	1019.3	1042.6	1074.0	1106.8	1143.7	1160.1	1186.0
27.5°	923.7	933.3	948.3	952.4	966.1	986.5	1019.3	1054.9	1093.1	1110.9	1132.8
30°	889.5	895.0	900.5	908.7	921.0	938.7	966.1	997.5	1043.9	1057.6	1084.9
32.5°	859.5	862.2	864.9	871.8	878.6	896.4	918.2	952.4	990.6	1011.1	1035.7
35°	832.1	829.4	830.8	834.9	841.7	848.5	871.8	900.5	936.0	960.6	979.7
37.5°	806.2	800.7	799.3	799.3	802.1	810.3	828.0	852.6	890.9	911.4	930.5
40°	777.5	772.0	769.3	767.9	766.6	772.0	785.7	810.3	840.3	859.5	881.3
42.5°	750.2	744.7	737.9	736.5	733.8	736.5	746.1	769.3	795.2	814.4	832.1
45°	722.8	713.3	705.1	699.6	701.0	696.9	703.7	721.5	751.5	763.8	781.6
47.5°	692.8	681.8	670.9	665.4	660.0	662.7	665.4	680.5	706.4	718.7	736.5
50°	664.1	649.0	636.7	629.9	625.8	623.1	625.8	640.8	660.0	670.9	685.9
52.5°	631.3	616.3	604.0	593.0	587.6	583.5	584.8	598.5	616.3	627.2	642.2
55°	601.2	582.1	565.7	552.0	547.9	546.6	545.2	554.8	569.8	580.7	593.0
57.5°	567.1	547.9	530.2	513.8	505.6	504.2	504.2	506.9	526.1	534.3	541.1
60°	532.9	512.4	493.3	478.2	465.9	461.8	460.5	465.9	475.5	483.7	493.3
62.5°	494.6	474.1	450.9	437.3	425.0	414.0	418.1	419.5	433.2	437.3	445.4
65°	457.7	434.5	415.4	393.5	379.9	373.0	370.3	373.0	384.0	385.3	390.8
67.5°	415.4	393.5	370.3	355.3	343.0	330.7	327.9	327.9	333.4	337.5	344.3
70°	374.4	352.5	326.6	310.2	297.9	286.9	282.8	281.5	285.6	288.3	295.1
72.5°	326.6	304.7	285.6	267.8	252.8	244.6	240.5	237.8	241.9	244.6	246.0
75°	276.0	258.3	239.1	221.4	211.8	203.6	198.1	194.0	196.8	196.8	196.8
77.5°	228.2	210.4	195.4	183.1	170.8	161.2	157.1	153.0	154.4	154.4	157.1
80°	177.6	165.3	153.0	142.1	131.2	123.0	120.2	116.1	113.4	112.0	112.0
82.5°	131.2	121.6	110.7	101.1	95.6	87.5	84.7	79.3	79.3	77.9	77.9
85°	87.5	82.0	71.1	64.2	60.1	56.0	53.3	50.6	46.5	46.5	45.1
87.5°	46.5	43.7	41.0	32.8	32.8	28.7	27.3	26.0	21.9	23.2	23.2
90°	9.7	9.2	8.7	8.3	7.8	7.2	6.6	5.9	5.3	5.0	4.6
92.5°	9.3	8.8	8.3	7.9	7.4	6.8	6.2	5.5	4.9	4.6	4.7
95°	9.7	9.2	8.7	8.3	7.8	7.7	7.6	7.5	7.4	7.4	8.7
97.5°	9.3	8.9	8.6	8.2	7.8	16.0	24.3	32.5	40.8	44.9	44.0
100°	10.2	11.5	12.9	14.2	15.6	26.4	37.3	48.1	59.0	64.4	63.7
102.5°	19.1	36.8	54.5	72.1	89.8	88.9	87.9	87.0	86.1	85.6	85.1
105°	113.1	112.4	111.7	111.0	110.3	109.9	109.5	109.2	108.8	108.6	108.4
107.5°	134.5	134.1	133.8	133.4	133.0	132.4	131.9	131.3	130.8	130.5	130.4
110°	156.6	156.5	156.3	156.2	156.0	155.5	155.0	154.5	154.0	153.8	153.7

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	177.9	178.0	178.1	178.1	178.2	178.0	177.9	177.7	177.6	177.5	177.3
115°	200.1	199.9	199.8	199.6	199.4	199.5	199.6	199.7	199.8	199.8	199.7
117.5°	221.7	221.8	221.9	222.0	222.1	221.9	221.6	221.4	221.1	221.0	220.8
120°	242.5	242.4	242.2	242.1	241.9	242.0	242.0	242.1	242.2	242.2	242.0
122.5°	262.4	262.3	262.2	262.1	262.0	261.8	261.7	261.5	261.4	261.3	261.2
125°	281.0	280.8	280.5	280.3	280.1	280.3	280.4	280.6	280.7	280.8	280.6
127.5°	299.2	299.3	299.4	299.4	299.5	299.1	298.7	298.4	298.0	297.8	297.8
130°	316.5	316.4	316.3	316.2	316.1	315.9	315.7	315.4	315.2	315.1	315.1
132.5°	333.1	333.0	332.9	332.9	332.8	332.5	332.2	331.9	331.6	331.4	331.3
135°	348.2	348.1	347.9	347.8	347.6	347.3	347.0	346.7	346.4	346.2	346.2
137.5°	363.1	363.0	362.8	362.7	362.5	362.1	361.7	361.3	360.9	360.7	360.7
140°	376.9	376.6	376.4	376.1	375.9	375.7	375.6	375.4	375.3	375.2	375.1
142.5°	389.2	389.1	388.9	388.8	388.6	388.5	388.5	388.4	388.3	388.3	388.1
145°	401.0	400.9	400.8	400.8	400.7	400.7	400.7	400.7	400.7	400.7	400.6
147.5°	411.6	411.5	411.4	411.4	411.3	411.4	411.4	411.5	411.6	411.6	411.4
150°	421.5	421.5	421.5	421.5	421.5	421.6	421.7	421.8	421.9	421.9	421.7
152.5°	430.6	430.5	430.3	430.2	430.0	430.2	430.3	430.5	430.6	430.7	430.6
155°	438.7	438.4	438.1	437.7	437.4	437.6	437.9	438.1	438.4	438.5	438.5
157.5°	445.7	445.3	445.0	444.6	444.2	444.5	444.8	445.1	445.4	445.6	445.6
160°	452.4	451.9	451.4	451.0	450.5	450.6	450.7	450.8	450.9	450.9	451.0
162.5°	457.8	457.3	456.8	456.3	455.8	455.9	456.0	456.1	456.2	456.2	456.4
165°	463.0	462.3	461.7	461.0	460.4	460.4	460.4	460.4	460.4	460.4	460.6
167.5°	466.8	466.1	465.4	464.7	464.0	464.1	464.1	464.2	464.3	464.3	464.5
170°	470.0	469.4	468.7	468.1	467.5	467.4	467.3	467.2	467.1	467.1	467.3
172.5°	472.2	471.5	470.9	470.2	469.6	469.5	469.5	469.4	469.3	469.3	469.5
175°	473.8	473.1	472.4	471.7	471.0	470.9	470.9	470.8	470.7	470.7	470.9
177.5°	474.6	474.0	473.3	472.7	472.1	471.9	471.8	471.6	471.5	471.4	471.7
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1649.3	1649.3	1649.3	1649.3
2.5°	1604.2	1617.8	1630.1	1649.3
5°	1568.6	1587.8	1613.7	1642.4
7.5°	1527.6	1557.7	1591.9	1631.5
10°	1489.4	1523.5	1567.3	1615.1
12.5°	1449.8	1490.8	1538.6	1590.5
15°	1404.7	1445.7	1498.9	1568.6
17.5°	1363.7	1412.9	1470.3	1544.0
20°	1315.9	1362.3	1425.2	1509.9
22.5°	1273.5	1326.8	1396.5	1470.3
25°	1227.0	1273.5	1343.2	1432.0
27.5°	1180.6	1238.0	1304.9	1391.0
30°	1135.5	1183.3	1255.7	1345.9
32.5°	1086.3	1143.7	1210.6	1295.4
35°	1033.0	1087.7	1150.5	1242.1
37.5°	985.2	1038.5	1102.7	1183.3
40°	931.9	987.9	1046.7	1127.3
42.5°	880.0	930.5	989.3	1063.1
45°	829.4	873.1	926.4	990.6
47.5°	777.5	814.4	863.6	921.0
50°	721.5	761.1	798.0	845.8
52.5°	669.5	703.7	733.8	773.4
55°	619.0	642.2	666.8	696.9
57.5°	565.7	583.5	601.2	632.6
60°	512.4	528.8	538.4	558.9
62.5°	460.5	467.3	479.6	491.9
65°	403.1	412.7	419.5	434.5
67.5°	351.2	355.3	362.1	371.7
70°	296.5	306.1	308.8	315.6
72.5°	250.1	254.2	256.9	258.3
75°	198.1	202.2	205.0	213.2
77.5°	155.8	154.4	159.9	161.2
80°	114.8	110.7	112.0	117.5
82.5°	75.2	76.5	75.2	75.2
85°	46.5	45.1	42.4	43.7
87.5°	20.5	20.5	19.1	19.1
90°	3.7	2.8	2.0	1.1
92.5°	4.8	5.0	5.1	5.3
95°	11.4	14.1	16.7	19.4
97.5°	42.3	40.6	38.8	37.1
100°	62.3	60.8	59.4	58.0
102.5°	84.2	83.2	82.3	81.3
105°	107.9	107.4	106.9	106.4
107.5°	130.1	129.9	129.6	129.4
110°	153.5	153.2	153.0	152.8

TEST NUMBER: P1000641

CATALOG NUMBER: SA4XXDIP-B1020D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.8	176.3	175.9	175.4
115°	199.4	199.2	198.9	198.7
117.5°	220.5	220.2	219.9	219.6
120°	241.7	241.4	241.1	240.8
122.5°	261.1	260.9	260.8	260.6
125°	280.3	280.0	279.7	279.4
127.5°	297.7	297.6	297.5	297.4
130°	315.0	314.9	314.8	314.7
132.5°	331.1	331.0	330.8	330.6
135°	346.3	346.4	346.5	346.6
137.5°	360.7	360.7	360.7	360.7
140°	375.0	374.8	374.7	374.5
142.5°	387.8	387.5	387.2	386.9
145°	400.3	400.1	399.8	399.6
147.5°	410.9	410.4	410.0	409.5
150°	421.4	421.1	420.8	420.5
152.5°	430.4	430.1	429.9	429.7
155°	438.4	438.3	438.2	438.1
157.5°	445.6	445.6	445.6	445.6
160°	451.2	451.5	451.7	451.9
162.5°	456.7	457.0	457.3	457.6
165°	461.0	461.4	461.8	462.2
167.5°	464.9	465.3	465.7	466.1
170°	467.8	468.3	468.8	469.3
172.5°	470.0	470.5	470.9	471.4
175°	471.4	471.9	472.3	472.8
177.5°	472.2	472.8	473.3	473.9
180°	472.8	472.8	472.8	472.8

(END OF REPORT)