

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: P1001829

Luminaire Tested: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001829
REPORT IS A COMBINATION OF REPORTS P996451 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B795D365UB2750-4F0-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

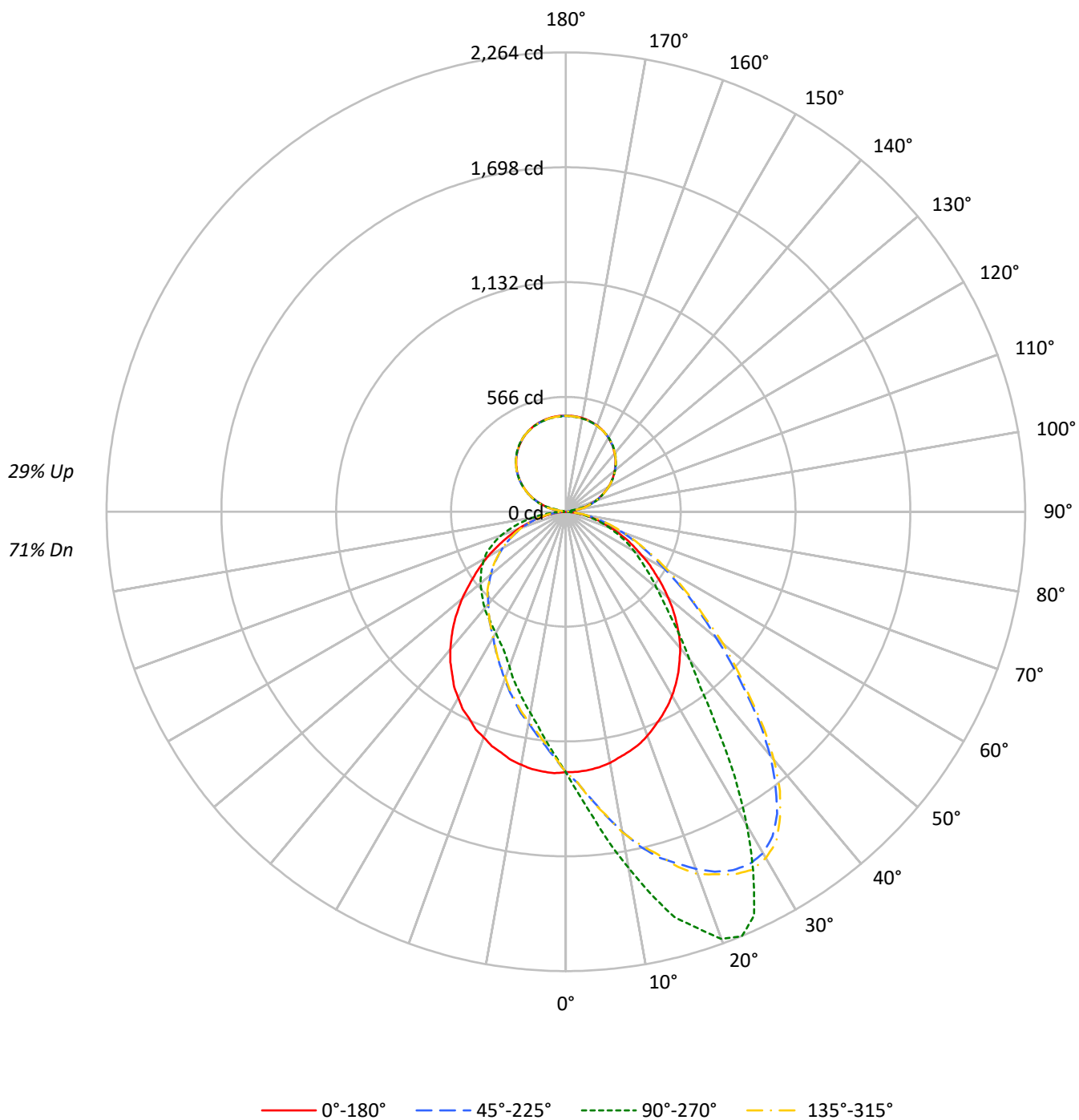
Lumens per Lamp: N/A
Luminaire Lumens: 5005.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	66	64
2	94	86	80	75	89	82	76	72	74	70	66	66	63	60	59	57	55
3	86	76	69	63	81	73	66	60	65	60	56	59	55	51	53	50	47
4	79	68	60	54	74	65	57	52	58	53	48	53	48	44	47	44	41
5	73	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36
6	67	55	46	40	63	52	45	39	48	41	37	43	38	34	39	35	32
7	62	50	41	36	59	47	40	35	43	37	32	39	34	30	36	31	28
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25
9	54	41	34	29	51	40	33	28	36	30	26	33	28	25	30	26	23
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10464	10464	10464	10464
5°	10438	12004	10499	9020
10°	10360	14006	10438	7914
15°	10235	16146	10306	7081
20°	10103	17508	10176	6349
25°	9909	17307	10004	5809
30°	9720	14305	9839	5530
35°	9455	10660	9558	5361
40°	9145	8030	9233	5278
45°	8672	6446	8780	5166
50°	8107	5430	8225	5113
55°	7443	4726	7559	5054
60°	6797	4162	6997	4969
65°	6192	3581	6250	4762
70°	5479	2947	5598	4384
75°	4781	2264	4749	3726
80°	3759	1487	3718	2828
85°	2474	669	2321	1650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 13530 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	2.5
10°-20°	385.5	7.7
20°-30°	612.4	12.2
30°-40°	680.5	13.6
40°-50°	618.8	12.4
50°-60°	505.7	10.1
60°-70°	361.0	7.2
70°-80°	198.6	4.0
80°-90°	54.7	1.1
90°-100°	15.7	0.3
100°-110°	103.4	2.1
110°-120°	197.4	3.9
120°-130°	250.6	5.0
130°-140°	268.0	5.4
140°-150°	250.6	5.0
150°-160°	202.1	4.0
160°-170°	130.3	2.6
170°-180°	44.9	0.9
0°-30°	1122.8	22.4
0°-40°	1803.2	36.0
0°-60°	2927.7	58.5
0°-90°	3542.0	70.8
90°-120°	316.4	6.3
90°-150°	1085.6	21.7
90°-180°	1463.0	29.2
0°-180°	5005.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1283	1283	1283	1283	1283	
5°	1278	1505	1285	1131	1278	121
15°	1220	2068	1229	907	1220	344
25°	1114	2195	1125	737	1114	513
35°	966	1298	977	653	966	604
45°	771	728	780	584	771	594
55°	542	476	551	509	542	488
65°	338	306	341	407	338	334
75°	166	153	165	252	166	174
85°	34	32	32	79	34	40
90°	1	11	1	11	1	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1283.2	1296.0	1301.3	1305.6	1319.4	1323.6	1324.7	1331.1	1336.4	1337.5	1337.5
5°	1277.9	1298.1	1314.1	1329.0	1351.3	1360.8	1372.5	1385.3	1402.3	1412.9	1418.3
7.5°	1269.4	1299.2	1323.6	1349.2	1380.0	1399.1	1409.8	1443.8	1467.2	1486.3	1509.7
10°	1256.7	1294.9	1330.0	1367.2	1410.8	1434.2	1457.6	1499.1	1532.0	1569.2	1599.0
12.5°	1237.5	1287.5	1330.0	1382.1	1436.3	1464.0	1491.6	1563.9	1602.2	1635.1	1688.3
15°	1220.5	1270.5	1331.1	1384.2	1451.2	1492.7	1533.1	1579.9	1640.5	1711.7	1762.7
17.5°	1201.4	1264.1	1320.4	1394.9	1469.3	1508.6	1541.6	1613.9	1698.9	1769.1	1815.9
20°	1174.8	1238.6	1313.0	1391.7	1479.9	1510.8	1554.3	1651.1	1727.6	1796.7	1873.3
22.5°	1144.0	1218.4	1297.1	1372.5	1464.0	1528.8	1576.7	1661.7	1754.2	1834.0	1920.1
25°	1114.2	1195.0	1264.1	1367.2	1464.0	1507.6	1561.8	1662.8	1763.8	1860.5	1948.8
27.5°	1082.3	1157.8	1251.3	1333.2	1442.7	1490.6	1549.0	1659.6	1767.0	1863.7	1958.3
30°	1047.2	1128.0	1205.6	1302.4	1408.7	1470.4	1524.6	1644.7	1754.2	1855.2	1943.5
32.5°	1007.9	1084.4	1167.4	1258.8	1370.4	1433.1	1501.2	1624.5	1741.5	1828.6	1896.7
35°	966.4	1044.0	1116.3	1209.9	1324.7	1387.4	1453.3	1589.4	1705.3	1776.5	1815.9
37.5°	920.7	994.1	1065.3	1157.8	1272.6	1339.6	1406.6	1538.4	1647.9	1707.4	1696.8
40°	877.1	943.0	1008.9	1096.1	1216.3	1287.5	1346.0	1478.9	1574.5	1600.1	1565.0
42.5°	827.1	883.5	947.3	1036.6	1153.5	1220.5	1293.9	1415.1	1486.3	1475.7	1416.1
45°	770.8	820.8	884.6	968.5	1087.6	1156.7	1218.4	1333.2	1385.3	1358.7	1250.3
47.5°	716.6	765.5	817.6	901.6	1017.4	1075.9	1138.6	1241.8	1271.5	1215.2	1106.8
50°	658.1	698.5	752.7	832.5	940.9	1002.6	1054.7	1137.6	1148.2	1079.1	966.4
52.5°	601.7	635.8	687.9	766.5	867.5	916.4	967.5	1040.8	1032.3	961.1	852.7
55°	542.2	574.1	621.9	694.2	783.6	830.3	873.9	938.8	920.7	847.3	752.7
57.5°	492.2	514.6	561.3	628.3	701.7	752.7	789.9	841.0	813.3	740.0	651.7
60°	434.8	462.5	501.8	556.0	628.3	662.4	695.3	729.3	710.2	640.0	561.3
62.5°	382.7	404.0	438.0	490.1	546.5	577.3	612.4	633.6	614.5	549.7	483.7
65°	338.1	355.1	381.7	424.2	478.4	503.9	524.1	544.3	528.4	467.8	419.9
67.5°	289.2	304.1	326.4	360.4	406.1	424.2	443.3	457.2	439.1	398.7	351.9
70°	245.6	256.2	277.5	303.0	334.9	351.9	367.9	381.7	365.7	331.7	296.6
72.5°	200.9	209.4	228.6	246.7	275.4	287.1	298.7	309.4	304.1	272.2	243.5
75°	165.9	169.0	181.8	196.7	214.8	227.5	236.0	242.4	238.1	212.6	194.6
77.5°	125.5	129.7	139.3	151.0	166.9	174.4	179.7	186.1	180.7	160.5	147.8
80°	91.4	92.5	97.8	108.4	119.1	120.1	125.5	134.0	130.8	116.9	107.4
82.5°	58.5	61.7	63.8	70.2	77.6	79.7	82.9	85.1	84.0	75.5	72.3
85°	34.0	34.0	36.1	40.4	42.5	45.7	46.8	47.8	50.0	44.7	41.5
87.5°	14.9	15.9	15.9	17.0	19.1	19.1	20.2	21.3	22.3	21.3	18.1
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



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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

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1340.6	1359.8	1368.3	1370.4	1382.1	1374.7	1377.9	1376.8	1385.3	1386.4	1386.4
5°	1438.5	1460.8	1468.2	1478.9	1494.8	1499.1	1495.9	1502.2	1513.9	1505.4	1518.2
7.5°	1541.6	1566.0	1583.0	1606.4	1611.8	1625.6	1634.1	1641.5	1643.6	1644.7	1646.8
10°	1637.3	1668.1	1691.5	1730.8	1739.3	1746.8	1784.0	1769.1	1788.2	1781.9	1784.0
12.5°	1714.9	1775.5	1794.6	1860.5	1866.9	1892.4	1890.3	1913.7	1917.9	1926.5	1917.9
15°	1816.9	1887.1	1917.9	1955.2	1976.4	2006.2	2011.5	2043.4	2056.2	2067.9	2056.2
17.5°	1910.5	1947.7	2026.4	2056.2	2070.0	2085.9	2126.3	2138.0	2157.2	2149.7	2171.0
20°	1957.3	2010.4	2093.4	2144.4	2165.7	2180.5	2214.6	2232.6	2240.1	2240.1	2242.2
22.5°	1998.7	2075.3	2137.0	2195.4	2214.6	2225.2	2245.4	2259.2	2262.4	2264.5	2266.7
25°	2036.0	2105.1	2155.0	2188.0	2195.4	2195.4	2207.1	2198.6	2184.8	2195.4	2201.8
27.5°	2036.0	2084.9	2107.2	2118.9	2118.9	2090.2	2073.2	2038.1	2008.3	1999.8	2018.9
30°	2001.9	2024.3	1993.4	1964.7	1942.4	1923.3	1856.3	1803.1	1792.5	1785.0	1813.8
32.5°	1923.3	1894.6	1834.0	1751.0	1718.1	1674.5	1622.4	1582.0	1557.5	1549.0	1542.6
35°	1784.0	1709.6	1630.9	1519.3	1495.9	1440.6	1369.4	1339.6	1299.2	1298.1	1311.9
37.5°	1632.0	1517.1	1432.1	1325.8	1292.8	1234.3	1167.4	1136.5	1108.9	1087.6	1113.1
40°	1454.4	1354.5	1224.8	1137.6	1090.8	1060.0	1003.6	969.6	956.8	946.2	962.2
42.5°	1288.6	1179.0	1078.0	988.7	950.5	915.4	878.2	845.2	835.6	834.6	846.3
45°	1123.8	1016.4	922.8	846.3	821.8	800.6	764.4	754.8	738.9	728.3	733.6
47.5°	991.9	881.4	803.8	745.3	724.0	705.9	682.6	666.6	652.8	648.5	654.9
50°	862.2	787.8	708.1	659.2	643.2	626.2	608.1	593.2	586.9	582.6	586.9
52.5°	758.0	678.3	624.1	584.7	568.8	556.0	543.3	536.9	528.4	530.5	534.8
55°	664.5	594.3	548.6	519.9	510.3	505.0	489.1	481.6	478.4	476.3	478.4
57.5°	576.2	525.2	491.2	466.7	454.0	450.8	438.0	438.0	434.8	431.6	432.7
60°	506.1	462.5	429.5	410.4	408.3	402.9	394.4	393.4	385.9	389.1	390.2
62.5°	434.8	399.7	377.4	365.7	358.3	356.2	350.8	349.8	346.6	347.7	345.5
65°	378.5	349.8	327.5	317.9	314.7	313.6	309.4	306.2	304.1	306.2	304.1
67.5°	322.1	303.0	286.0	276.4	272.2	271.1	267.9	265.8	266.9	263.7	265.8
70°	269.0	249.8	239.2	233.9	231.8	228.6	228.6	228.6	228.6	226.5	225.4
72.5°	226.5	207.3	199.9	196.7	194.6	193.5	190.3	191.4	190.3	189.2	193.5
75°	179.7	168.0	160.5	157.3	159.5	156.3	153.1	155.2	152.0	153.1	157.3
77.5°	136.1	130.8	126.5	124.4	122.3	120.1	120.1	118.0	118.0	118.0	118.0
80°	98.9	97.8	90.4	89.3	89.3	87.2	87.2	87.2	87.2	86.1	87.2
82.5°	65.9	64.9	62.7	61.7	59.5	60.6	60.6	58.5	58.5	57.4	58.5
85°	38.3	38.3	36.1	35.1	34.0	35.1	33.0	31.9	33.0	31.9	33.0
87.5°	18.1	15.9	17.0	15.9	13.8	14.9	12.8	13.8	12.8	11.7	13.8
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1384.2	1381.0	1376.8	1376.8	1371.5	1371.5	1363.0	1348.1	1335.3	1331.1	1333.2
5°	1502.2	1503.3	1496.9	1491.6	1482.0	1474.6	1460.8	1434.2	1425.7	1408.7	1397.0
7.5°	1637.3	1633.0	1621.3	1612.8	1610.7	1593.7	1563.9	1532.0	1506.5	1489.5	1465.0
10°	1789.3	1772.3	1755.3	1750.0	1737.2	1708.5	1674.5	1639.4	1604.3	1567.1	1525.6
12.5°	1916.9	1883.9	1882.9	1870.1	1845.6	1829.7	1789.3	1739.3	1678.7	1637.3	1590.5
15°	2054.0	2023.2	1997.7	1974.3	1962.6	1915.8	1881.8	1819.1	1746.8	1702.1	1670.2
17.5°	2151.8	2138.0	2094.4	2083.8	2067.9	2013.6	1959.4	1897.7	1835.0	1772.3	1686.2
20°	2230.5	2222.0	2193.3	2178.4	2152.9	2110.4	2044.5	1973.2	1900.9	1811.6	1730.8
22.5°	2264.5	2253.9	2230.5	2217.8	2201.8	2165.7	2109.3	2028.5	1933.9	1854.2	1768.0
25°	2197.6	2216.7	2210.3	2205.0	2198.6	2177.4	2134.8	2063.6	1971.1	1880.7	1773.4
27.5°	2046.6	2079.5	2111.4	2115.7	2126.3	2134.8	2117.8	2066.8	1989.2	1893.5	1775.5
30°	1843.5	1858.4	1923.3	1942.4	1957.3	2011.5	2043.4	2030.6	1971.1	1885.0	1776.5
32.5°	1583.0	1622.4	1688.3	1734.0	1774.4	1835.0	1917.9	1950.9	1929.6	1859.5	1752.1
35°	1336.4	1383.2	1459.7	1518.2	1558.6	1644.7	1742.5	1813.8	1840.3	1805.2	1709.6
37.5°	1134.4	1190.7	1258.8	1281.1	1327.9	1434.2	1569.2	1668.1	1733.0	1736.1	1661.7
40°	982.4	1011.1	1065.3	1099.3	1145.0	1234.3	1366.2	1496.9	1594.7	1627.7	1588.4
42.5°	853.7	876.0	916.4	957.9	999.4	1067.4	1188.6	1310.9	1442.7	1508.6	1507.6
45°	751.7	775.0	802.7	836.7	865.4	938.8	1034.5	1159.9	1273.7	1375.7	1401.2
47.5°	662.4	682.6	716.6	731.5	750.6	819.7	902.6	1019.6	1137.6	1254.5	1284.3
50°	596.4	613.4	636.8	646.4	667.7	718.7	786.7	881.4	1012.1	1119.5	1174.8
52.5°	536.9	549.7	567.7	575.2	590.1	628.3	690.0	764.4	872.9	983.4	1061.0
55°	485.9	494.4	507.1	515.6	526.3	560.3	606.0	673.0	766.5	862.2	937.7
57.5°	438.0	444.4	457.2	461.4	469.9	496.5	528.4	584.7	670.9	755.9	829.3
60°	393.4	397.6	405.1	414.6	421.0	439.1	468.9	515.6	584.7	662.4	721.9
62.5°	350.8	357.2	359.3	363.6	368.9	385.9	409.3	443.3	503.9	567.7	630.5
65°	307.3	312.6	316.8	317.9	323.2	336.0	357.2	387.0	426.3	481.6	540.1
67.5°	266.9	270.0	272.2	276.4	281.7	288.1	305.1	327.5	363.6	408.3	455.0
70°	229.6	229.6	232.8	233.9	240.3	247.7	255.2	276.4	308.3	344.5	376.4
72.5°	189.2	194.6	193.5	198.8	197.7	203.1	212.6	226.5	249.8	278.5	309.4
75°	154.2	157.3	157.3	157.3	159.5	163.7	169.0	181.8	199.9	223.3	241.3
77.5°	120.1	122.3	122.3	122.3	123.3	127.6	132.9	141.4	154.2	168.0	178.6
80°	86.1	88.2	88.2	90.4	90.4	91.4	96.7	101.0	107.4	118.0	128.6
82.5°	58.5	59.5	61.7	61.7	60.6	62.7	63.8	68.0	74.4	76.5	84.0
85°	31.9	33.0	34.0	34.0	35.1	37.2	36.1	40.4	40.4	44.7	46.8
87.5°	12.8	14.9	14.9	13.8	14.9	14.9	14.9	17.0	18.1	19.1	18.1
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1323.6	1319.4	1316.2	1316.2	1306.6	1297.1	1291.7	1289.6	1287.5	1279.0	1267.3
5°	1377.9	1364.0	1354.5	1344.9	1329.0	1311.9	1294.9	1285.4	1271.5	1252.4	1238.6
7.5°	1438.5	1405.5	1394.9	1383.2	1351.3	1322.6	1299.2	1279.0	1256.7	1232.2	1207.8
10°	1489.5	1454.4	1431.0	1410.8	1369.4	1331.1	1296.0	1266.2	1237.5	1205.6	1175.9
12.5°	1538.4	1488.4	1464.0	1434.2	1390.6	1335.3	1289.6	1252.4	1209.9	1176.9	1140.8
15°	1606.4	1522.4	1482.0	1462.9	1404.4	1339.6	1284.3	1229.0	1193.9	1144.0	1112.1
17.5°	1617.1	1549.0	1522.4	1473.5	1403.4	1330.0	1266.2	1210.9	1157.8	1113.1	1071.7
20°	1654.3	1565.0	1522.4	1491.6	1399.1	1324.7	1254.5	1183.3	1132.3	1084.4	1037.6
22.5°	1677.7	1576.7	1532.0	1483.1	1394.9	1305.6	1222.6	1161.0	1098.2	1049.3	1012.1
25°	1671.3	1570.3	1520.3	1474.6	1367.2	1277.9	1203.5	1124.8	1066.4	1013.2	964.3
27.5°	1668.1	1554.3	1501.2	1450.2	1349.2	1255.6	1162.0	1098.2	1033.4	971.7	935.6
30°	1659.6	1534.1	1472.5	1417.2	1311.9	1214.1	1134.4	1060.0	995.1	938.8	890.9
32.5°	1630.9	1500.1	1440.6	1381.0	1271.5	1173.7	1092.9	1023.8	959.0	900.5	854.8
35°	1592.6	1459.7	1394.9	1332.1	1222.6	1123.8	1049.3	977.0	916.4	860.1	816.5
37.5°	1554.3	1412.9	1352.3	1280.0	1179.0	1075.9	999.4	934.5	878.2	819.7	771.9
40°	1499.1	1357.7	1290.7	1229.0	1111.0	1014.3	944.1	885.6	830.3	775.0	734.6
42.5°	1423.6	1297.1	1228.0	1159.9	1049.3	953.7	885.6	833.5	781.4	735.7	691.1
45°	1347.0	1223.7	1162.0	1101.4	981.3	890.9	828.2	780.4	736.8	686.8	650.7
47.5°	1254.5	1150.3	1088.7	1029.1	915.4	825.0	767.6	723.0	682.6	641.1	607.1
50°	1159.9	1069.5	1013.2	951.5	843.1	761.2	704.9	667.7	634.7	595.4	567.7
52.5°	1057.8	979.2	931.3	871.8	776.1	700.6	643.2	606.0	578.4	549.7	525.2
55°	949.4	892.0	841.0	793.1	702.8	634.7	583.7	550.7	531.6	505.0	483.7
57.5°	851.6	796.3	765.5	711.3	632.6	565.6	525.2	497.6	475.2	459.3	442.3
60°	749.5	704.9	670.9	631.5	562.4	506.1	463.5	447.6	424.2	412.5	405.1
62.5°	651.7	619.8	587.9	558.2	496.5	443.3	411.4	391.2	377.4	365.7	359.3
65°	559.2	529.5	507.1	480.5	429.5	387.0	357.2	341.3	327.5	324.3	316.8
67.5°	468.9	456.1	431.6	410.4	366.8	333.8	311.5	291.3	283.9	280.7	274.3
70°	392.3	377.4	358.3	340.2	307.3	278.5	258.3	250.9	240.3	239.2	231.8
72.5°	323.2	305.1	291.3	277.5	253.0	227.5	216.9	206.3	200.9	196.7	193.5
75°	256.2	243.5	233.9	222.2	200.9	183.9	169.0	164.8	161.6	160.5	158.4
77.5°	191.4	182.9	178.6	166.9	152.0	137.1	130.8	124.4	124.4	122.3	123.3
80°	136.1	130.8	125.5	119.1	106.3	99.9	94.6	90.4	88.2	87.2	88.2
82.5°	86.1	82.9	81.9	77.6	69.1	65.9	61.7	58.5	58.5	58.5	58.5
85°	47.8	47.8	47.8	41.5	38.3	35.1	33.0	31.9	31.9	31.9	33.0
87.5°	20.2	20.2	17.0	17.0	15.9	13.8	12.8	12.8	13.8	13.8	14.9
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1264.1	1259.8	1262.0	1251.3	1241.8	1228.0	1216.3	1214.1	1212.0	1218.4	1214.1
5°	1228.0	1222.6	1217.3	1204.6	1185.4	1173.7	1156.7	1155.7	1149.3	1139.7	1141.8
7.5°	1188.6	1185.4	1178.0	1157.8	1140.8	1120.6	1106.8	1095.1	1089.7	1081.2	1078.0
10°	1156.7	1145.0	1138.6	1116.3	1096.1	1074.9	1056.8	1048.3	1038.7	1031.3	1026.0
12.5°	1113.1	1109.9	1091.9	1073.8	1056.8	1032.3	1018.5	994.1	981.3	987.7	985.6
15°	1084.4	1069.5	1065.3	1039.8	1011.1	995.1	969.6	953.7	948.3	938.8	927.1
17.5°	1046.2	1036.6	1021.7	998.3	965.4	943.0	925.0	910.1	903.7	890.9	881.4
20°	1010.0	994.1	982.4	961.1	929.2	900.5	878.2	868.6	852.7	842.0	836.7
22.5°	977.0	965.4	948.3	916.4	888.8	861.2	834.6	820.8	805.9	799.5	791.0
25°	936.6	917.5	905.8	870.7	841.0	818.6	794.2	776.1	767.6	757.0	754.8
27.5°	897.3	879.2	865.4	834.6	798.4	769.7	754.8	742.1	727.2	727.2	721.9
30°	858.0	845.2	824.0	794.2	760.2	732.5	715.5	703.8	698.5	694.2	693.2
32.5°	818.6	801.6	788.9	748.5	723.0	697.4	684.7	675.1	668.7	667.7	668.7
35°	778.2	759.1	746.3	710.2	684.7	661.3	656.0	647.5	644.3	643.2	648.5
37.5°	735.7	720.8	704.9	675.1	646.4	632.6	621.9	618.8	617.7	624.1	626.2
40°	696.4	683.6	668.7	636.8	615.6	600.7	595.4	592.2	596.4	602.8	606.0
42.5°	659.2	641.1	629.4	600.7	581.5	573.0	566.7	566.7	570.9	578.4	583.7
45°	619.8	606.0	594.3	568.8	551.8	542.2	541.1	542.2	547.5	552.8	559.2
47.5°	581.5	567.7	555.0	533.7	518.8	513.5	512.4	513.5	522.0	529.5	536.9
50°	546.5	531.6	519.9	499.7	488.0	481.6	482.7	488.0	494.4	505.0	514.6
52.5°	505.0	494.4	483.7	465.7	455.0	450.8	454.0	458.2	469.9	477.4	489.1
55°	464.6	455.0	446.5	432.7	424.2	421.0	423.1	429.5	439.1	451.8	465.7
57.5°	427.4	416.8	408.3	398.7	389.1	390.2	391.2	399.7	411.4	423.1	439.1
60°	385.9	379.5	372.1	360.4	356.2	356.2	359.3	368.9	379.5	398.7	412.5
62.5°	348.7	340.2	334.9	327.5	321.1	322.1	329.6	338.1	350.8	366.8	384.9
65°	310.4	300.9	296.6	290.2	288.1	289.2	294.5	307.3	321.1	334.9	351.9
67.5°	267.9	264.7	260.5	254.1	256.2	257.3	262.6	273.2	288.1	301.9	321.1
70°	231.8	225.4	224.3	219.0	219.0	222.2	232.8	240.3	254.1	269.0	289.2
72.5°	193.5	188.2	188.2	183.9	187.1	190.3	195.6	206.3	219.0	233.9	250.9
75°	154.2	152.0	154.2	152.0	152.0	157.3	163.7	172.2	186.1	202.0	215.8
77.5°	119.1	119.1	118.0	121.2	121.2	124.4	132.9	141.4	152.0	164.8	179.7
80°	87.2	87.2	87.2	90.4	93.6	93.6	98.9	109.5	119.1	127.6	141.4
82.5°	59.5	59.5	59.5	61.7	65.9	65.9	72.3	78.7	89.3	96.7	103.1
85°	36.1	36.1	35.1	37.2	38.3	41.5	46.8	51.0	56.3	62.7	69.1
87.5°	15.9	15.9	17.0	18.1	19.1	21.3	23.4	25.5	30.8	33.0	36.1
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1210.9	1209.9	1204.6	1206.7	1200.3	1202.4	1205.6	1206.7	1210.9	1207.8	1206.7
5°	1136.5	1134.4	1131.2	1128.0	1127.0	1131.2	1123.8	1125.9	1128.0	1131.2	1135.5
7.5°	1075.9	1074.9	1071.7	1066.4	1064.2	1062.1	1063.2	1070.6	1069.5	1068.5	1075.9
10°	1020.6	1021.7	1015.3	1014.3	1007.9	1006.8	1007.9	1010.0	1013.2	1017.4	1018.5
12.5°	963.2	977.0	965.4	961.1	951.5	956.8	959.0	949.4	954.7	957.9	973.9
15°	927.1	920.7	913.3	913.3	909.0	906.9	901.6	909.0	913.3	919.6	917.5
17.5°	877.1	866.5	862.2	858.0	859.0	863.3	851.6	868.6	868.6	871.8	866.5
20°	833.5	825.0	819.7	817.6	814.4	812.3	811.2	815.4	821.8	824.0	829.3
22.5°	787.8	787.8	779.3	776.1	774.0	770.8	776.1	772.9	777.2	781.4	789.9
25°	749.5	749.5	746.3	742.1	738.9	736.8	740.0	738.9	742.1	747.4	749.5
27.5°	718.7	715.5	714.4	713.4	712.3	713.4	712.3	715.5	718.7	719.8	717.6
30°	692.1	688.9	690.0	690.0	691.1	690.0	688.9	692.1	693.2	691.1	692.1
32.5°	667.7	667.7	669.8	670.9	670.9	671.9	673.0	670.9	671.9	668.7	669.8
35°	647.5	649.6	651.7	652.8	653.8	652.8	654.9	653.8	651.7	649.6	648.5
37.5°	627.3	629.4	633.6	634.7	637.9	639.0	636.8	636.8	635.8	631.5	629.4
40°	606.0	608.1	613.4	616.6	618.8	621.9	619.8	619.8	615.6	611.3	608.1
42.5°	585.8	590.1	595.4	598.6	602.8	602.8	602.8	600.7	595.4	591.1	587.9
45°	565.6	566.7	574.1	579.4	583.7	583.7	583.7	580.5	577.3	568.8	564.5
47.5°	543.3	546.5	555.0	560.3	564.5	565.6	565.6	562.4	556.0	548.6	543.3
50°	518.8	524.1	533.7	541.1	546.5	548.6	545.4	543.3	535.8	527.3	520.9
52.5°	495.4	501.8	513.5	519.9	527.3	528.4	527.3	524.1	515.6	503.9	498.6
55°	472.0	477.4	490.1	500.7	507.1	509.3	507.1	501.8	491.2	479.5	474.2
57.5°	446.5	454.0	467.8	478.4	485.9	486.9	484.8	479.5	471.0	456.1	448.7
60°	419.9	429.5	443.3	454.0	463.5	464.6	462.5	455.0	444.4	429.5	423.1
62.5°	393.4	400.8	416.8	428.5	435.9	441.2	437.0	429.5	418.9	404.0	394.4
65°	362.5	373.2	387.0	397.6	406.1	407.2	405.1	398.7	387.0	371.0	363.6
67.5°	332.8	340.2	354.0	367.9	371.0	374.2	371.0	364.7	355.1	341.3	330.6
70°	296.6	303.0	320.0	329.6	333.8	337.0	334.9	328.5	320.0	307.3	298.7
72.5°	260.5	265.8	281.7	289.2	297.7	296.6	295.6	291.3	279.6	271.1	265.8
75°	222.2	228.6	239.2	248.8	252.0	252.0	252.0	248.8	241.3	227.5	222.2
77.5°	187.1	190.3	198.8	204.1	207.3	208.4	207.3	202.0	197.7	188.2	185.0
80°	143.5	152.0	158.4	159.5	163.7	163.7	163.7	161.6	157.3	147.8	146.7
82.5°	108.4	110.6	116.9	120.1	122.3	121.2	121.2	116.9	115.9	110.6	108.4
85°	73.4	76.5	75.5	79.7	80.8	78.7	78.7	80.8	75.5	76.5	73.4
87.5°	40.4	40.4	42.5	41.5	45.7	45.7	43.6	44.7	42.5	41.5	40.4
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1206.7	1213.1	1206.7	1210.9	1213.1	1218.4	1220.5	1230.1	1233.3	1240.7	1240.7
5°	1134.4	1137.6	1138.6	1142.9	1147.2	1157.8	1165.2	1179.0	1195.0	1197.1	1206.7
7.5°	1075.9	1081.2	1089.7	1086.6	1094.0	1109.9	1119.5	1136.5	1152.5	1161.0	1172.7
10°	1023.8	1030.2	1033.4	1036.6	1050.4	1064.2	1079.1	1090.8	1112.1	1124.8	1134.4
12.5°	981.3	976.0	982.4	994.1	1010.0	1018.5	1038.7	1056.8	1072.7	1086.6	1095.1
15°	926.0	930.3	936.6	956.8	961.1	982.4	989.8	1010.0	1039.8	1052.5	1063.2
17.5°	872.9	886.7	899.4	906.9	919.6	936.6	957.9	980.2	999.4	1014.3	1027.0
20°	830.3	844.2	851.6	856.9	869.7	893.1	913.3	940.9	965.4	977.0	994.1
22.5°	796.3	796.3	806.9	822.9	830.3	852.7	869.7	899.4	926.0	940.9	956.8
25°	753.8	760.2	768.7	782.5	793.1	811.2	835.6	861.2	889.9	902.6	922.8
27.5°	718.7	726.1	737.8	741.0	751.7	767.6	793.1	820.8	850.5	864.4	881.4
30°	692.1	696.4	700.6	707.0	716.6	730.4	751.7	776.1	812.3	822.9	844.2
32.5°	668.7	670.9	673.0	678.3	683.6	697.4	714.4	741.0	770.8	786.7	805.9
35°	647.5	645.3	646.4	649.6	654.9	660.2	678.3	700.6	728.3	747.4	762.3
37.5°	627.3	623.0	621.9	621.9	624.1	630.5	644.3	663.4	693.2	709.1	724.0
40°	604.9	600.7	598.6	597.5	596.4	600.7	611.3	630.5	653.8	668.7	685.7
42.5°	583.7	579.4	574.1	573.0	570.9	573.0	580.5	598.6	618.8	633.6	647.5
45°	562.4	555.0	548.6	544.3	545.4	542.2	547.5	561.3	584.7	594.3	608.1
47.5°	539.0	530.5	522.0	517.8	513.5	515.6	517.8	529.5	549.7	559.2	573.0
50°	516.7	505.0	495.4	490.1	486.9	484.8	486.9	498.6	513.5	522.0	533.7
52.5°	491.2	479.5	469.9	461.4	457.2	454.0	455.0	465.7	479.5	488.0	499.7
55°	467.8	452.9	440.1	429.5	426.3	425.3	424.2	431.6	443.3	451.8	461.4
57.5°	441.2	426.3	412.5	399.7	393.4	392.3	392.3	394.4	409.3	415.7	421.0
60°	414.6	398.7	383.8	372.1	362.5	359.3	358.3	362.5	370.0	376.4	383.8
62.5°	384.9	368.9	350.8	340.2	330.6	322.1	325.3	326.4	337.0	340.2	346.6
65°	356.2	338.1	323.2	306.2	295.6	290.2	288.1	290.2	298.7	299.8	304.1
67.5°	323.2	306.2	288.1	276.4	266.9	257.3	255.2	255.2	259.4	262.6	267.9
70°	291.3	274.3	254.1	241.3	231.8	223.3	220.1	219.0	222.2	224.3	229.6
72.5°	254.1	237.1	222.2	208.4	196.7	190.3	187.1	185.0	188.2	190.3	191.4
75°	214.8	200.9	186.1	172.2	164.8	158.4	154.2	151.0	153.1	153.1	153.1
77.5°	177.5	163.7	152.0	142.5	132.9	125.5	122.3	119.1	120.1	120.1	122.3
80°	138.2	128.6	119.1	110.6	102.1	95.7	93.6	90.4	88.2	87.2	87.2
82.5°	102.1	94.6	86.1	78.7	74.4	68.0	65.9	61.7	61.7	60.6	60.6
85°	68.0	63.8	55.3	50.0	46.8	43.6	41.5	39.3	36.1	36.1	35.1
87.5°	36.1	34.0	31.9	25.5	25.5	22.3	21.3	20.2	17.0	18.1	18.1
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1283.2	1283.2	1283.2	1283.2
2.5°	1248.2	1258.8	1268.4	1283.2
5°	1220.5	1235.4	1255.6	1277.9
7.5°	1188.6	1212.0	1238.6	1269.4
10°	1158.8	1185.4	1219.4	1256.7
12.5°	1128.0	1159.9	1197.1	1237.5
15°	1092.9	1124.8	1166.3	1220.5
17.5°	1061.0	1099.3	1144.0	1201.4
20°	1023.8	1060.0	1108.9	1174.8
22.5°	990.9	1032.3	1086.6	1144.0
25°	954.7	990.9	1045.1	1114.2
27.5°	918.6	963.2	1015.3	1082.3
30°	883.5	920.7	977.0	1047.2
32.5°	845.2	889.9	942.0	1007.9
35°	803.8	846.3	895.2	966.4
37.5°	766.5	808.0	858.0	920.7
40°	725.1	768.7	814.4	877.1
42.5°	684.7	724.0	769.7	827.1
45°	645.3	679.4	720.8	770.8
47.5°	604.9	633.6	671.9	716.6
50°	561.3	592.2	620.9	658.1
52.5°	520.9	547.5	570.9	601.7
55°	481.6	499.7	518.8	542.2
57.5°	440.1	454.0	467.8	492.2
60°	398.7	411.4	418.9	434.8
62.5°	358.3	363.6	373.2	382.7
65°	313.6	321.1	326.4	338.1
67.5°	273.2	276.4	281.7	289.2
70°	230.7	238.1	240.3	245.6
72.5°	194.6	197.7	199.9	200.9
75°	154.2	157.3	159.5	165.9
77.5°	121.2	120.1	124.4	125.5
80°	89.3	86.1	87.2	91.4
82.5°	58.5	59.5	58.5	58.5
85°	36.1	35.1	33.0	34.0
87.5°	15.9	15.9	14.9	14.9
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: P1001829

CATALOG NUMBER: SA4XXDIP-B795D365UB2750-4F0-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)