

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: P1001629

Luminaire Tested: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001629
REPORT IS A COMBINATION OF REPORTS P996251 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

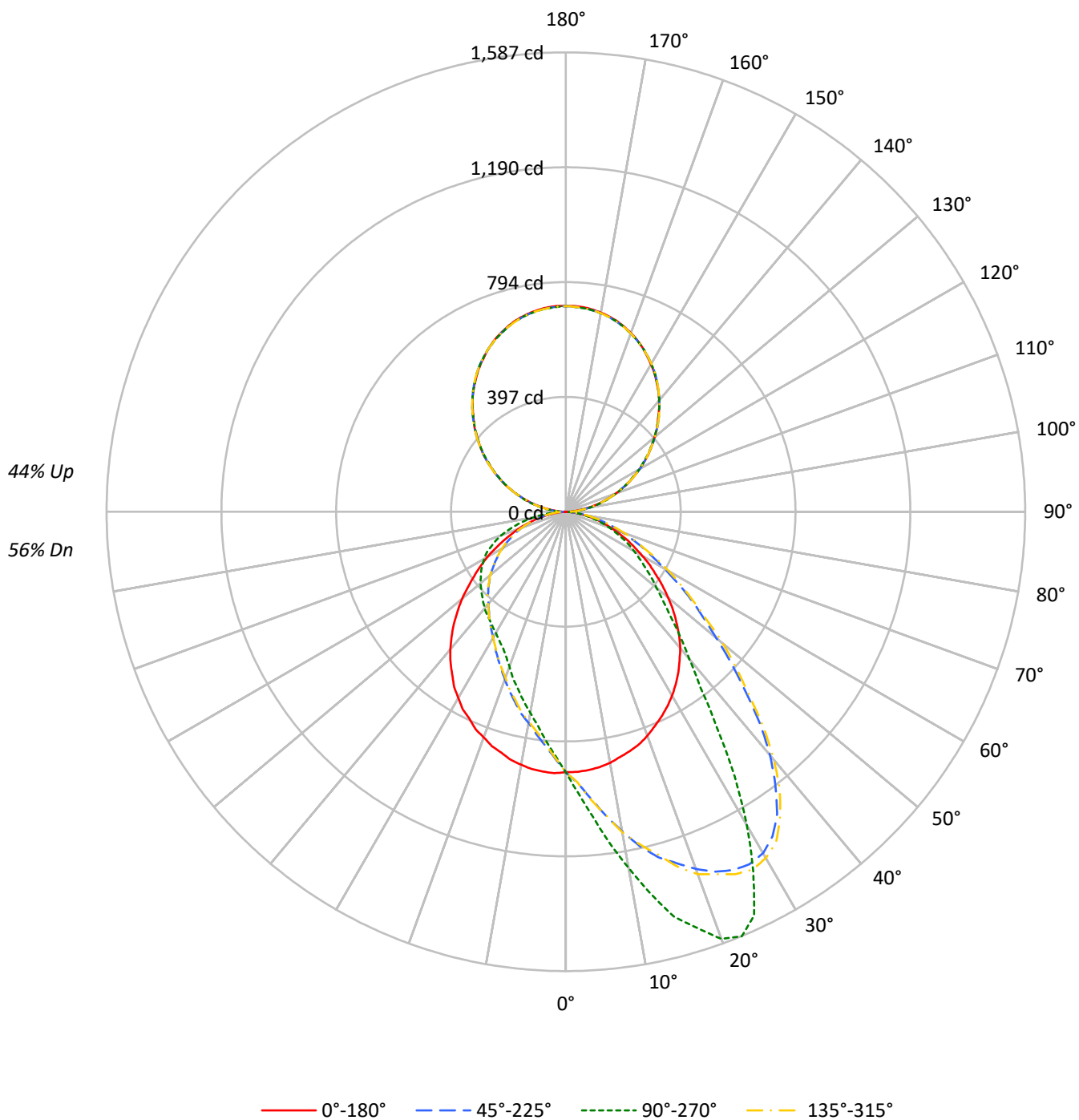
Lumens per Lamp: N/A
Luminaire Lumens: 4455.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
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	109	109	109	109	101	101	101	101	87	87	87	73	73	73	61	61	61
1	99	95	91	88	92	88	85	82	76	74	72	65	63	62	55	53	52
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44
3	83	73	66	60	77	69	62	57	59	55	51	51	47	44	43	40	38
4	76	65	57	51	70	61	54	49	53	48	43	46	41	38	39	36	33
5	70	58	50	44	65	55	47	42	48	42	38	41	37	33	35	32	29
6	64	52	44	38	60	49	42	37	43	37	33	37	33	29	32	28	26
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23
8	55	43	35	30	51	41	34	29	36	30	26	31	27	23	27	23	21
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7335	7335	7335	7335
5°	7316	8414	7359	6323
10°	7261	9817	7316	5547
15°	7174	11317	7225	4964
20°	7082	12272	7132	4450
25°	6946	12131	7012	4071
30°	6813	10027	6897	3876
35°	6627	7472	6700	3758
40°	6410	5629	6473	3699
45°	6079	4518	6154	3621
50°	5683	3806	5765	3584
55°	5218	3313	5299	3542
60°	4765	2917	4904	3483
65°	4340	2510	4381	3338
70°	3840	2065	3924	3073
75°	3352	1586	3328	2611
80°	2636	1043	2603	1983
85°	1732	470	1630	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.0
10°-20°	270.2	6.1
20°-30°	429.2	9.6
30°-40°	477.0	10.7
40°-50°	433.7	9.7
50°-60°	354.5	8.0
60°-70°	253.0	5.7
70°-80°	139.2	3.1
80°-90°	39.1	0.9
90°-100°	46.3	1.0
100°-110°	138.7	3.1
110°-120°	235.6	5.3
120°-130°	310.8	7.0
130°-140°	349.1	7.8
140°-150°	343.1	7.7
150°-160°	288.6	6.5
160°-170°	192.0	4.3
170°-180°	67.2	1.5
0°-30°	787.0	17.7
0°-40°	1263.9	28.4
0°-60°	2052.1	46.1
0°-90°	2483.5	55.7
90°-120°	420.7	9.4
90°-150°	1423.7	32.0
90°-180°	1971.0	44.2
0°-180°	4455.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	900	900	900	900	900	
5°	896	1055	901	793	896	85
15°	856	1449	862	636	856	241
25°	781	1539	788	516	781	360
35°	677	910	685	458	677	423
45°	540	510	547	409	540	417
55°	380	334	386	357	380	342
65°	237	215	239	285	237	234
75°	116	107	116	177	116	122
85°	24	22	22	55	24	28
90°	2	16	2	16	2	4
95°	33	43	33	43	33	36
105°	128	134	128	134	128	136
115°	240	237	240	237	240	236
125°	349	346	349	346	349	311
135°	450	451	450	451	450	348
145°	547	547	547	547	547	342
155°	626	626	626	626	626	288
165°	682	680	682	680	682	192
175°	709	706	709	706	709	67
180°	710	710	710	710	710	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	899.5	908.4	912.1	915.1	924.8	927.8	928.5	933.0	936.7	937.5	937.5
5°	895.7	909.9	921.1	931.5	947.2	953.9	962.1	971.0	982.9	990.4	994.1
7.5°	889.8	910.6	927.8	945.7	967.3	980.7	988.1	1012.0	1028.4	1041.8	1058.2
10°	880.8	907.7	932.3	958.3	988.9	1005.3	1021.7	1050.7	1073.8	1099.9	1120.8
12.5°	867.4	902.4	932.3	968.8	1006.8	1026.1	1045.5	1096.2	1123.0	1146.1	1183.4
15°	855.5	890.5	933.0	970.3	1017.2	1046.3	1074.6	1107.4	1149.9	1199.8	1235.5
17.5°	842.1	886.0	925.5	977.7	1029.9	1057.4	1080.5	1131.2	1190.8	1240.0	1272.8
20°	823.5	868.2	920.3	975.5	1037.3	1058.9	1089.5	1157.3	1211.0	1259.4	1313.1
22.5°	801.8	854.0	909.1	962.1	1026.1	1071.6	1105.1	1164.8	1229.6	1285.5	1345.8
25°	781.0	837.6	886.0	958.3	1026.1	1056.7	1094.7	1165.5	1236.3	1304.1	1366.0
27.5°	758.6	811.5	877.1	934.5	1011.2	1044.8	1085.8	1163.3	1238.5	1306.3	1372.7
30°	734.0	790.7	845.1	912.9	987.4	1030.6	1068.6	1152.8	1229.6	1300.4	1362.2
32.5°	706.5	760.1	818.2	882.3	960.6	1004.5	1052.2	1138.7	1220.6	1281.8	1329.4
35°	677.4	731.8	782.5	848.0	928.5	972.5	1018.7	1114.1	1195.3	1245.2	1272.8
37.5°	645.3	696.8	746.7	811.5	892.0	939.0	985.9	1078.3	1155.1	1196.8	1189.3
40°	614.8	661.0	707.2	768.3	852.5	902.4	943.4	1036.6	1103.6	1121.5	1096.9
42.5°	579.8	619.3	664.0	726.6	808.5	855.5	906.9	991.9	1041.8	1034.3	992.6
45°	540.3	575.3	620.0	678.9	762.3	810.8	854.0	934.5	971.0	952.4	876.4
47.5°	502.3	536.5	573.1	631.9	713.2	754.1	798.1	870.4	891.3	851.8	775.8
50°	461.3	489.6	527.6	583.5	659.5	702.7	739.2	797.4	804.8	756.4	677.4
52.5°	421.8	445.6	482.1	537.3	608.1	642.4	678.1	729.6	723.6	673.7	597.7
55°	380.1	402.4	435.9	486.6	549.2	582.0	612.6	658.0	645.3	593.9	527.6
57.5°	345.0	360.7	393.5	440.4	491.8	527.6	553.7	589.5	570.1	518.7	456.8
60°	304.8	324.2	351.7	389.7	440.4	464.3	487.4	511.2	497.8	448.6	393.5
62.5°	268.3	283.2	307.0	343.5	383.0	404.6	429.2	444.1	430.7	385.3	339.1
65°	237.0	248.9	267.5	297.3	335.3	353.2	367.4	381.5	370.4	327.9	294.4
67.5°	202.7	213.1	228.8	252.6	284.7	297.3	310.8	320.4	307.8	279.5	246.7
70°	172.1	179.6	194.5	212.4	234.7	246.7	257.8	267.5	256.4	232.5	207.9
72.5°	140.8	146.8	160.2	172.9	193.0	201.2	209.4	216.9	213.1	190.8	170.7
75°	116.3	118.5	127.4	137.9	150.5	159.5	165.4	169.9	166.9	149.0	136.4
77.5°	87.9	90.9	97.6	105.8	117.0	122.2	125.9	130.4	126.7	112.5	103.6
80°	64.1	64.8	68.6	76.0	83.5	84.2	87.9	93.9	91.7	82.0	75.3
82.5°	41.0	43.2	44.7	49.2	54.4	55.9	58.1	59.6	58.9	52.9	50.7
85°	23.8	23.8	25.3	28.3	29.8	32.0	32.8	33.5	35.0	31.3	29.1
87.5°	10.4	11.2	11.2	11.9	13.4	13.4	14.2	14.9	15.6	14.9	12.7
90°	1.6	3.0	4.3	5.7	7.0	7.7	8.2	9.2	10.1	11.1	12.1
92.5°	14.3	15.9	17.5	19.0	20.6	21.4	21.7	22.3	23.0	23.6	24.2
95°	33.0	34.1	35.2	36.3	37.4	37.9	38.3	39.2	40.1	40.9	41.8
97.5°	52.8	53.8	54.8	55.7	56.7	57.2	57.7	58.6	59.6	60.5	61.5
100°	76.9	77.4	77.9	78.4	78.9	79.1	79.7	80.8	81.9	83.0	84.1
102.5°	102.2	102.3	102.5	102.6	102.7	102.8	103.3	104.3	105.2	106.2	107.2
105°	128.0	128.1	128.3	128.4	128.5	128.6	128.8	129.3	129.8	130.3	130.8
107.5°	155.0	155.1	155.2	155.3	155.4	155.5	155.6	155.7	155.8	156.0	156.1
110°	182.4	182.6	182.9	183.1	183.4	183.5	183.4	183.3	183.2	183.1	183.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	211.0	211.0	211.0	211.0	211.0	211.0	210.9	210.6	210.4	210.1	209.9
115°	239.6	239.6	239.6	239.6	239.6	239.6	239.5	239.2	239.0	238.7	238.5
117.5°	266.5	266.5	266.5	266.5	266.5	266.5	266.4	266.3	266.2	266.1	266.0
120°	293.4	293.9	294.4	294.9	295.4	295.6	295.4	295.1	294.7	294.4	294.0
122.5°	321.5	321.6	321.7	321.8	321.9	322.0	321.9	321.8	321.7	321.6	321.5
125°	348.9	348.9	348.9	348.9	348.9	348.9	348.8	348.7	348.6	348.5	348.4
127.5°	373.7	374.1	374.4	374.8	375.1	375.3	375.2	374.9	374.7	374.4	374.2
130°	400.1	400.5	400.8	401.2	401.5	401.7	401.7	401.7	401.7	401.7	401.7
132.5°	427.0	427.2	427.5	427.7	428.0	428.1	428.0	427.9	427.8	427.6	427.5
135°	450.1	450.8	451.6	452.3	453.0	453.4	453.4	453.4	453.4	453.4	453.4
137.5°	475.9	476.3	476.6	477.0	477.3	477.5	477.6	477.9	478.1	478.4	478.6
140°	501.7	501.9	502.2	502.4	502.7	502.8	502.8	502.8	502.8	502.8	502.8
142.5°	525.3	525.5	525.8	526.0	526.3	526.4	526.3	526.2	526.1	526.0	525.9
145°	546.8	547.3	547.8	548.3	548.8	549.0	549.1	549.2	549.3	549.4	549.5
147.5°	568.8	569.4	570.0	570.6	571.2	571.5	571.4	571.3	571.2	571.1	571.0
150°	588.5	589.0	589.5	590.0	590.5	590.7	590.7	590.7	590.7	590.7	590.7
152.5°	607.2	607.4	607.7	607.9	608.2	608.3	608.4	608.5	608.6	608.8	608.9
155°	626.5	626.5	626.5	626.5	626.5	626.5	626.4	626.3	626.2	626.0	625.9
157.5°	642.9	642.7	642.4	642.2	641.9	641.8	641.8	641.8	641.8	641.8	641.8
160°	657.2	657.1	657.0	656.9	656.8	656.7	656.6	656.5	656.4	656.2	656.1
162.5°	670.4	670.0	669.7	669.3	669.0	668.8	668.7	668.6	668.5	668.3	668.2
165°	682.0	681.6	681.2	680.9	680.5	680.3	680.2	679.9	679.7	679.4	679.2
167.5°	691.3	690.8	690.3	689.8	689.3	689.1	689.1	689.1	689.1	689.1	689.1
170°	699.0	698.4	697.8	697.2	696.6	696.3	696.4	696.5	696.6	696.7	696.8
172.5°	704.5	704.0	703.5	703.0	702.5	702.3	702.3	702.3	702.3	702.3	702.3
175°	709.4	708.8	708.2	707.6	707.0	706.7	706.6	706.5	706.4	706.2	706.1
177.5°	711.6	711.0	710.4	709.8	709.2	708.9	708.9	708.9	708.9	708.9	708.9
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	939.7	953.1	959.1	960.6	968.8	963.5	965.8	965.0	971.0	971.7	971.7
5°	1008.3	1023.9	1029.1	1036.6	1047.8	1050.7	1048.5	1053.0	1061.2	1055.2	1064.2
7.5°	1080.5	1097.7	1109.6	1126.0	1129.7	1139.4	1145.4	1150.6	1152.1	1152.8	1154.3
10°	1147.6	1169.2	1185.6	1213.2	1219.2	1224.4	1250.5	1240.0	1253.4	1249.0	1250.5
12.5°	1202.0	1244.5	1257.9	1304.1	1308.6	1326.5	1325.0	1341.4	1344.3	1350.3	1344.3
15°	1273.6	1322.7	1344.3	1370.4	1385.3	1406.2	1409.9	1432.3	1441.2	1449.4	1441.2
17.5°	1339.1	1365.2	1420.4	1441.2	1450.9	1462.1	1490.4	1498.6	1512.0	1506.8	1521.7
20°	1371.9	1409.2	1467.3	1503.1	1518.0	1528.4	1552.3	1564.9	1570.1	1570.1	1571.6
22.5°	1401.0	1454.6	1497.9	1538.8	1552.3	1559.7	1573.9	1583.6	1585.8	1587.3	1588.8
25°	1427.1	1475.5	1510.5	1533.6	1538.8	1538.8	1547.0	1541.1	1531.4	1538.8	1543.3
27.5°	1427.1	1461.3	1477.0	1485.2	1485.2	1465.1	1453.1	1428.6	1407.7	1401.7	1415.1
30°	1403.2	1418.9	1397.3	1377.1	1361.5	1348.1	1301.1	1263.9	1256.4	1251.2	1271.3
32.5°	1348.1	1328.0	1285.5	1227.4	1204.3	1173.7	1137.2	1108.9	1091.7	1085.8	1081.3
35°	1250.5	1198.3	1143.1	1064.9	1048.5	1009.8	959.8	939.0	910.6	909.9	919.6
37.5°	1143.9	1063.4	1003.8	929.3	906.2	865.2	818.2	796.6	777.2	762.3	780.2
40°	1019.4	949.4	858.5	797.4	764.6	743.0	703.5	679.6	670.7	663.2	674.4
42.5°	903.2	826.4	755.6	693.0	666.2	641.6	615.5	592.4	585.7	585.0	593.2
45°	787.7	712.4	646.8	593.2	576.0	561.1	535.8	529.1	517.9	510.5	514.2
47.5°	695.3	617.8	563.4	522.4	507.5	494.8	478.4	467.2	457.6	454.6	459.0
50°	604.4	552.2	496.3	462.0	450.8	438.9	426.3	415.8	411.4	408.4	411.4
52.5°	531.3	475.4	437.4	409.9	398.7	389.7	380.8	376.3	370.4	371.9	374.8
55°	465.8	416.6	384.5	364.4	357.7	354.0	342.8	337.6	335.3	333.9	335.3
57.5°	403.9	368.1	344.3	327.1	318.2	316.0	307.0	307.0	304.8	302.6	303.3
60°	354.7	324.2	301.1	287.6	286.2	282.4	276.5	275.7	270.5	272.7	273.5
62.5°	304.8	280.2	264.5	256.4	251.1	249.6	245.9	245.2	242.9	243.7	242.2
65°	265.3	245.2	229.5	222.8	220.6	219.8	216.9	214.6	213.1	214.6	213.1
67.5°	225.8	212.4	200.5	193.8	190.8	190.0	187.8	186.3	187.0	184.8	186.3
70°	188.5	175.1	167.7	163.9	162.5	160.2	160.2	160.2	160.2	158.7	158.0
72.5°	158.7	145.3	140.1	137.9	136.4	135.6	133.4	134.1	133.4	132.6	135.6
75°	125.9	117.7	112.5	110.3	111.8	109.5	107.3	108.8	106.6	107.3	110.3
77.5°	95.4	91.7	88.7	87.2	85.7	84.2	84.2	82.7	82.7	82.7	82.7
80°	69.3	68.6	63.3	62.6	62.6	61.1	61.1	61.1	61.1	60.4	61.1
82.5°	46.2	45.5	44.0	43.2	41.7	42.5	42.5	41.0	41.0	40.2	41.0
85°	26.8	26.8	25.3	24.6	23.8	24.6	23.1	22.4	23.1	22.4	23.1
87.5°	12.7	11.2	11.9	11.2	9.7	10.4	8.9	9.7	8.9	8.2	9.7
90°	12.8	13.6	14.3	15.0	15.4	15.5	15.8	16.0	16.3	16.5	16.3
92.5°	24.6	24.9	25.3	25.6	25.8	25.9	26.0	26.1	26.3	26.4	26.3
95°	42.2	42.5	42.9	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
97.5°	62.0	62.5	63.0	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
100°	84.3	84.6	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
102.5°	107.6	107.9	108.3	108.6	108.8	108.9	109.0	109.1	109.3	109.4	109.3
105°	131.2	131.5	131.9	132.2	132.4	132.6	133.0	133.3	133.7	134.1	133.7
107.5°	156.6	157.1	157.6	158.1	158.3	158.2	158.1	158.0	157.8	157.7	157.8
110°	182.8	182.5	182.3	182.0	181.9	182.1	182.4	182.8	183.1	183.5	183.1

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
115°	238.4	238.2	238.1	238.0	237.9	237.8	237.7	237.6	237.5	237.4	237.5
117.5°	265.6	265.2	264.9	264.5	264.3	264.1	263.8	263.4	263.1	262.7	263.1
120°	293.4	292.8	292.1	291.5	291.2	291.3	291.6	291.8	292.1	292.3	292.1
122.5°	321.1	320.7	320.4	320.0	319.8	319.5	318.9	318.3	317.7	317.1	317.7
125°	348.2	347.9	347.7	347.4	347.3	347.2	346.9	346.7	346.4	346.2	346.4
127.5°	374.0	373.7	373.5	373.2	373.1	373.0	372.9	372.8	372.7	372.6	372.7
130°	401.5	401.2	401.0	400.7	400.6	400.4	399.9	399.4	398.9	398.4	398.9
132.5°	427.3	427.0	426.8	426.5	426.4	426.3	426.2	426.1	426.0	425.9	426.0
135°	453.2	452.9	452.7	452.4	452.3	452.1	451.7	451.4	451.0	450.6	451.0
137.5°	478.2	477.9	477.5	477.2	477.0	477.1	477.2	477.3	477.4	477.5	477.4
140°	502.7	502.6	502.5	502.4	502.3	502.2	502.1	502.0	501.8	501.7	501.8
142.5°	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9
145°	549.4	549.3	549.2	549.1	549.0	548.8	548.4	548.1	547.7	547.3	547.7
147.5°	570.9	570.7	570.6	570.5	570.4	570.3	570.2	570.1	570.0	569.9	570.0
150°	590.7	590.7	590.7	590.7	590.7	590.6	590.5	590.4	590.3	590.2	590.3
152.5°	609.3	609.6	610.0	610.3	610.5	610.3	610.0	609.6	609.3	608.9	609.3
155°	626.4	626.9	627.4	627.9	628.1	627.9	627.4	626.9	626.4	625.9	626.4
157.5°	642.2	642.6	642.9	643.3	643.5	643.3	642.9	642.6	642.2	641.8	642.2
160°	656.5	656.9	657.2	657.6	657.8	657.5	656.9	656.2	655.6	655.0	655.6
162.5°	668.9	669.7	670.4	671.1	671.5	671.2	670.6	670.0	669.4	668.8	669.4
165°	679.9	680.7	681.4	682.1	682.5	682.3	681.8	681.3	680.8	680.3	680.8
167.5°	689.8	690.6	691.3	692.0	692.4	692.0	691.3	690.6	689.8	689.1	689.8
170°	697.5	698.3	699.0	699.7	700.1	699.7	698.8	698.0	697.1	696.3	697.1
172.5°	703.1	704.0	704.8	705.7	706.1	705.7	704.8	704.0	703.1	702.3	703.1
175°	707.0	707.8	708.7	709.6	710.0	709.6	708.7	707.8	707.0	706.1	707.0
177.5°	709.7	710.6	711.4	712.3	712.7	712.2	711.2	710.3	709.3	708.3	709.3
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	970.3	968.0	965.0	965.0	961.3	961.3	955.4	944.9	936.0	933.0	934.5
5°	1053.0	1053.7	1049.2	1045.5	1038.8	1033.6	1023.9	1005.3	999.3	987.4	979.2
7.5°	1147.6	1144.6	1136.4	1130.5	1129.0	1117.1	1096.2	1073.8	1056.0	1044.0	1026.9
10°	1254.2	1242.3	1230.3	1226.6	1217.7	1197.5	1173.7	1149.1	1124.5	1098.4	1069.4
12.5°	1343.6	1320.5	1319.8	1310.8	1293.7	1282.5	1254.2	1219.2	1176.7	1147.6	1114.8
15°	1439.7	1418.1	1400.2	1383.8	1375.6	1342.9	1319.0	1275.0	1224.4	1193.1	1170.7
17.5°	1508.3	1498.6	1468.1	1460.6	1449.4	1411.4	1373.4	1330.2	1286.2	1242.3	1181.9
20°	1563.4	1557.5	1537.4	1526.9	1509.0	1479.2	1433.0	1383.1	1332.4	1269.8	1213.2
22.5°	1587.3	1579.8	1563.4	1554.5	1543.3	1518.0	1478.5	1421.9	1355.5	1299.6	1239.3
25°	1540.3	1553.8	1549.3	1545.6	1541.1	1526.2	1496.4	1446.4	1381.6	1318.3	1243.0
27.5°	1434.5	1457.6	1480.0	1483.0	1490.4	1496.4	1484.4	1448.7	1394.3	1327.2	1244.5
30°	1292.2	1302.6	1348.1	1361.5	1371.9	1409.9	1432.3	1423.3	1381.6	1321.2	1245.2
32.5°	1109.6	1137.2	1183.4	1215.4	1243.7	1286.2	1344.3	1367.5	1352.5	1303.4	1228.1
35°	936.7	969.5	1023.2	1064.2	1092.5	1152.8	1221.4	1271.3	1289.9	1265.4	1198.3
37.5°	795.1	834.6	882.3	898.0	930.8	1005.3	1099.9	1169.2	1214.7	1216.9	1164.8
40°	688.6	708.7	746.7	770.5	802.6	865.2	957.6	1049.2	1117.8	1140.9	1113.3
42.5°	598.4	614.0	642.4	671.4	700.5	748.2	833.1	918.8	1011.2	1057.4	1056.7
45°	526.9	543.3	562.6	586.5	606.6	658.0	725.1	813.0	892.8	964.3	982.2
47.5°	464.3	478.4	502.3	512.7	526.1	574.6	632.7	714.7	797.4	879.3	900.2
50°	418.1	430.0	446.4	453.1	468.0	503.8	551.5	617.8	709.4	784.7	823.5
52.5°	376.3	385.3	397.9	403.2	413.6	440.4	483.6	535.8	611.8	689.3	743.7
55°	340.6	346.5	355.5	361.4	368.9	392.7	424.8	471.7	537.3	604.4	657.3
57.5°	307.0	311.5	320.4	323.4	329.4	348.0	370.4	409.9	470.2	529.8	581.3
60°	275.7	278.7	283.9	290.6	295.1	307.8	328.6	361.4	409.9	464.3	506.0
62.5°	245.9	250.4	251.9	254.9	258.6	270.5	286.9	310.8	353.2	397.9	441.9
65°	215.4	219.1	222.1	222.8	226.5	235.5	250.4	271.3	298.8	337.6	378.6
67.5°	187.0	189.3	190.8	193.8	197.5	202.0	213.9	229.5	254.9	286.2	318.9
70°	161.0	161.0	163.2	163.9	168.4	173.6	178.8	193.8	216.1	241.4	263.8
72.5°	132.6	136.4	135.6	139.4	138.6	142.3	149.0	158.7	175.1	195.2	216.9
75°	108.1	110.3	110.3	110.3	111.8	114.8	118.5	127.4	140.1	156.5	169.2
77.5°	84.2	85.7	85.7	85.7	86.4	89.4	93.2	99.1	108.1	117.7	125.2
80°	60.4	61.9	61.9	63.3	63.3	64.1	67.8	70.8	75.3	82.7	90.2
82.5°	41.0	41.7	43.2	43.2	42.5	44.0	44.7	47.7	52.2	53.7	58.9
85°	22.4	23.1	23.8	23.8	24.6	26.1	25.3	28.3	28.3	31.3	32.8
87.5°	8.9	10.4	10.4	9.7	10.4	10.4	10.4	11.9	12.7	13.4	12.7
90°	16.0	15.8	15.5	15.4	15.0	14.3	13.6	12.8	12.1	11.1	10.1
92.5°	26.1	26.0	25.9	25.8	25.6	25.3	24.9	24.6	24.2	23.6	23.0
95°	43.4	43.4	43.4	43.4	43.2	42.9	42.5	42.2	41.8	40.9	40.1
97.5°	63.7	63.7	63.7	63.7	63.5	63.0	62.5	62.0	61.5	60.5	59.6
100°	85.2	85.2	85.2	85.2	85.1	84.8	84.6	84.3	84.1	83.0	81.9
102.5°	109.1	109.0	108.9	108.8	108.6	108.3	107.9	107.6	107.2	106.2	105.2
105°	133.3	133.0	132.6	132.4	132.2	131.9	131.5	131.2	130.8	130.3	129.8
107.5°	158.0	158.1	158.2	158.3	158.1	157.6	157.1	156.6	156.1	156.0	155.8
110°	182.8	182.4	182.1	181.9	182.0	182.3	182.5	182.8	183.0	183.1	183.2

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	210.1	210.4
115°	237.6	237.7	237.8	237.9	238.0	238.1	238.2	238.4	238.5	238.7	239.0
117.5°	263.4	263.8	264.1	264.3	264.5	264.9	265.2	265.6	266.0	266.1	266.2
120°	291.8	291.6	291.3	291.2	291.5	292.1	292.8	293.4	294.0	294.4	294.7
122.5°	318.3	318.9	319.5	319.8	320.0	320.4	320.7	321.1	321.5	321.6	321.7
125°	346.7	346.9	347.2	347.3	347.4	347.7	347.9	348.2	348.4	348.5	348.6
127.5°	372.8	372.9	373.0	373.1	373.2	373.5	373.7	374.0	374.2	374.4	374.7
130°	399.4	399.9	400.4	400.6	400.7	401.0	401.2	401.5	401.7	401.7	401.7
132.5°	426.1	426.2	426.3	426.4	426.5	426.8	427.0	427.3	427.5	427.6	427.8
135°	451.4	451.7	452.1	452.3	452.4	452.7	452.9	453.2	453.4	453.4	453.4
137.5°	477.3	477.2	477.1	477.0	477.2	477.5	477.9	478.2	478.6	478.4	478.1
140°	502.0	502.1	502.2	502.3	502.4	502.5	502.6	502.7	502.8	502.8	502.8
142.5°	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	526.0	526.1
145°	548.1	548.4	548.8	549.0	549.1	549.2	549.3	549.4	549.5	549.4	549.3
147.5°	570.1	570.2	570.3	570.4	570.5	570.6	570.7	570.9	571.0	571.1	571.2
150°	590.4	590.5	590.6	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
152.5°	609.6	610.0	610.3	610.5	610.3	610.0	609.6	609.3	608.9	608.8	608.6
155°	626.9	627.4	627.9	628.1	627.9	627.4	626.9	626.4	625.9	626.0	626.2
157.5°	642.6	642.9	643.3	643.5	643.3	642.9	642.6	642.2	641.8	641.8	641.8
160°	656.2	656.9	657.5	657.8	657.6	657.2	656.9	656.5	656.1	656.2	656.4
162.5°	670.0	670.6	671.2	671.5	671.1	670.4	669.7	668.9	668.2	668.3	668.5
165°	681.3	681.8	682.3	682.5	682.1	681.4	680.7	679.9	679.2	679.4	679.7
167.5°	690.6	691.3	692.0	692.4	692.0	691.3	690.6	689.8	689.1	689.1	689.1
170°	698.0	698.8	699.7	700.1	699.7	699.0	698.3	697.5	696.8	696.7	696.6
172.5°	704.0	704.8	705.7	706.1	705.7	704.8	704.0	703.1	702.3	702.3	702.3
175°	707.8	708.7	709.6	710.0	709.6	708.7	707.8	707.0	706.1	706.2	706.4
177.5°	710.3	711.2	712.2	712.7	712.3	711.4	710.6	709.7	708.9	708.9	708.9
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	927.8	924.8	922.6	922.6	915.9	909.1	905.4	903.9	902.4	896.5	888.3
5°	965.8	956.1	949.4	942.7	931.5	919.6	907.7	901.0	891.3	877.9	868.2
7.5°	1008.3	985.2	977.7	969.5	947.2	927.0	910.6	896.5	880.8	863.7	846.6
10°	1044.0	1019.4	1003.0	988.9	959.8	933.0	908.4	887.5	867.4	845.1	824.2
12.5°	1078.3	1043.3	1026.1	1005.3	974.7	936.0	903.9	877.9	848.0	824.9	799.6
15°	1126.0	1067.1	1038.8	1025.4	984.4	939.0	900.2	861.5	836.9	801.8	779.5
17.5°	1133.5	1085.8	1067.1	1032.9	983.7	932.3	887.5	848.8	811.5	780.2	751.2
20°	1159.5	1096.9	1067.1	1045.5	980.7	928.5	879.3	829.4	793.6	760.1	727.3
22.5°	1175.9	1105.1	1073.8	1039.6	977.7	915.1	857.0	813.8	769.8	735.5	709.4
25°	1171.5	1100.7	1065.6	1033.6	958.3	895.7	843.6	788.4	747.4	710.2	675.9
27.5°	1169.2	1089.5	1052.2	1016.5	945.7	880.1	814.5	769.8	724.3	681.1	655.8
30°	1163.3	1075.3	1032.1	993.4	919.6	851.0	795.1	743.0	697.5	658.0	624.5
32.5°	1143.1	1051.5	1009.8	968.0	891.3	822.7	766.1	717.6	672.2	631.2	599.1
35°	1116.3	1023.2	977.7	933.7	857.0	787.7	735.5	684.8	642.4	602.9	572.3
37.5°	1089.5	990.4	947.9	897.2	826.4	754.1	700.5	655.0	615.5	574.6	541.0
40°	1050.7	951.6	904.7	861.5	778.7	710.9	661.7	620.8	582.0	543.3	514.9
42.5°	997.8	909.1	860.7	813.0	735.5	668.4	620.8	584.2	547.7	515.7	484.4
45°	944.2	857.7	814.5	772.0	687.8	624.5	580.5	547.0	516.4	481.4	456.1
47.5°	879.3	806.3	763.1	721.4	641.6	578.3	538.0	506.7	478.4	449.4	425.5
50°	813.0	749.7	710.2	667.0	590.9	533.6	494.1	468.0	444.9	417.3	397.9
52.5°	741.5	686.3	652.8	611.1	544.0	491.1	450.8	424.8	405.4	385.3	368.1
55°	665.5	625.2	589.5	555.9	492.6	444.9	409.1	386.0	372.6	354.0	339.1
57.5°	596.9	558.2	536.5	498.5	443.4	396.4	368.1	348.8	333.1	321.9	310.0
60°	525.4	494.1	470.2	442.7	394.2	354.7	324.9	313.7	297.3	289.1	283.9
62.5°	456.8	434.5	412.1	391.2	348.0	310.8	288.4	274.2	264.5	256.4	251.9
65°	392.0	371.1	355.5	336.8	301.1	271.3	250.4	239.2	229.5	227.3	222.1
67.5°	328.6	319.7	302.6	287.6	257.1	234.0	218.3	204.2	199.0	196.7	192.3
70°	275.0	264.5	251.1	238.5	215.4	195.2	181.1	175.9	168.4	167.7	162.5
72.5°	226.5	213.9	204.2	194.5	177.4	159.5	152.0	144.6	140.8	137.9	135.6
75°	179.6	170.7	163.9	155.7	140.8	128.9	118.5	115.5	113.3	112.5	111.0
77.5°	134.1	128.2	125.2	117.0	106.6	96.1	91.7	87.2	87.2	85.7	86.4
80°	95.4	91.7	87.9	83.5	74.5	70.0	66.3	63.3	61.9	61.1	61.9
82.5°	60.4	58.1	57.4	54.4	48.4	46.2	43.2	41.0	41.0	41.0	41.0
85°	33.5	33.5	33.5	29.1	26.8	24.6	23.1	22.4	22.4	22.4	23.1
87.5°	14.2	14.2	11.9	11.9	11.2	9.7	8.9	8.9	9.7	9.7	10.4
90°	9.2	8.2	7.7	7.0	5.7	4.3	3.0	1.6	3.0	4.3	5.7
92.5°	22.3	21.7	21.4	20.6	19.0	17.5	15.9	14.3	15.9	17.5	19.0
95°	39.2	38.3	37.9	37.4	36.3	35.2	34.1	33.0	34.1	35.2	36.3
97.5°	58.6	57.7	57.2	56.7	55.7	54.8	53.8	52.8	53.8	54.8	55.7
100°	80.8	79.7	79.1	78.9	78.4	77.9	77.4	76.9	77.4	77.9	78.4
102.5°	104.3	103.3	102.8	102.7	102.6	102.5	102.3	102.2	102.3	102.5	102.6
105°	129.3	128.8	128.6	128.5	128.4	128.3	128.1	128.0	128.1	128.3	128.4
107.5°	155.7	155.6	155.5	155.4	155.3	155.2	155.1	155.0	155.1	155.2	155.3
110°	183.3	183.4	183.5	183.4	183.1	182.9	182.6	182.4	182.6	182.9	183.1

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	210.6	210.9	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0
115°	239.2	239.5	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6
117.5°	266.3	266.4	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5
120°	295.1	295.4	295.6	295.4	294.9	294.4	293.9	293.4	293.9	294.4	294.9
122.5°	321.8	321.9	322.0	321.9	321.8	321.7	321.6	321.5	321.6	321.7	321.8
125°	348.7	348.8	348.9	348.9	348.9	348.9	348.9	348.9	348.9	348.9	348.9
127.5°	374.9	375.2	375.3	375.1	374.8	374.4	374.1	373.7	374.1	374.4	374.8
130°	401.7	401.7	401.7	401.5	401.2	400.8	400.5	400.1	400.5	400.8	401.2
132.5°	427.9	428.0	428.1	428.0	427.7	427.5	427.2	427.0	427.2	427.5	427.7
135°	453.4	453.4	453.4	453.0	452.3	451.6	450.8	450.1	450.8	451.6	452.3
137.5°	477.9	477.6	477.5	477.3	477.0	476.6	476.3	475.9	476.3	476.6	477.0
140°	502.8	502.8	502.8	502.7	502.4	502.2	501.9	501.7	501.9	502.2	502.4
142.5°	526.2	526.3	526.4	526.3	526.0	525.8	525.5	525.3	525.5	525.8	526.0
145°	549.2	549.1	549.0	548.8	548.3	547.8	547.3	546.8	547.3	547.8	548.3
147.5°	571.3	571.4	571.5	571.2	570.6	570.0	569.4	568.8	569.4	570.0	570.6
150°	590.7	590.7	590.7	590.5	590.0	589.5	589.0	588.5	589.0	589.5	590.0
152.5°	608.5	608.4	608.3	608.2	607.9	607.7	607.4	607.2	607.4	607.7	607.9
155°	626.3	626.4	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5
157.5°	641.8	641.8	641.8	641.9	642.2	642.4	642.7	642.9	642.7	642.4	642.2
160°	656.5	656.6	656.7	656.8	656.9	657.0	657.1	657.2	657.1	657.0	656.9
162.5°	668.6	668.7	668.8	669.0	669.3	669.7	670.0	670.4	670.0	669.7	669.3
165°	679.9	680.2	680.3	680.5	680.9	681.2	681.6	682.0	681.6	681.2	680.9
167.5°	689.1	689.1	689.1	689.3	689.8	690.3	690.8	691.3	690.8	690.3	689.8
170°	696.5	696.4	696.3	696.6	697.2	697.8	698.4	699.0	698.4	697.8	697.2
172.5°	702.3	702.3	702.3	702.5	703.0	703.5	704.0	704.5	704.0	703.5	703.0
175°	706.5	706.6	706.7	707.0	707.6	708.2	708.8	709.4	708.8	708.2	707.6
177.5°	708.9	708.9	708.9	709.2	709.8	710.4	711.0	711.6	711.0	710.4	709.8
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	886.0	883.1	884.6	877.1	870.4	860.7	852.5	851.0	849.5	854.0	851.0
5°	860.7	857.0	853.3	844.3	830.9	822.7	810.8	810.0	805.6	798.9	800.3
7.5°	833.1	830.9	825.7	811.5	799.6	785.4	775.8	767.6	763.8	757.9	755.6
10°	810.8	802.6	798.1	782.5	768.3	753.4	740.7	734.8	728.1	722.8	719.1
12.5°	780.2	778.0	765.3	752.7	740.7	723.6	713.9	696.8	687.8	692.3	690.8
15°	760.1	749.7	746.7	728.8	708.7	697.5	679.6	668.4	664.7	658.0	649.8
17.5°	733.3	726.6	716.1	699.7	676.6	661.0	648.3	637.9	633.4	624.5	617.8
20°	707.9	696.8	688.6	673.7	651.3	631.2	615.5	608.8	597.7	590.2	586.5
22.5°	684.8	676.6	664.7	642.4	623.0	603.6	585.0	575.3	564.9	560.4	554.4
25°	656.5	643.1	634.9	610.3	589.5	573.8	556.7	544.0	538.0	530.6	529.1
27.5°	629.0	616.3	606.6	585.0	559.6	539.5	529.1	520.2	509.7	509.7	506.0
30°	601.4	592.4	577.5	556.7	532.8	513.4	501.5	493.3	489.6	486.6	485.9
32.5°	573.8	561.9	552.9	524.6	506.7	488.9	479.9	473.2	468.7	468.0	468.7
35°	545.5	532.1	523.1	497.8	479.9	463.5	459.8	453.8	451.6	450.8	454.6
37.5°	515.7	505.2	494.1	473.2	453.1	443.4	435.9	433.7	433.0	437.4	438.9
40°	488.1	479.2	468.7	446.4	431.5	421.0	417.3	415.1	418.1	422.5	424.8
42.5°	462.0	449.4	441.2	421.0	407.6	401.7	397.2	397.2	400.2	405.4	409.1
45°	434.5	424.8	416.6	398.7	386.8	380.1	379.3	380.1	383.8	387.5	392.0
47.5°	407.6	397.9	389.0	374.1	363.7	359.9	359.2	359.9	365.9	371.1	376.3
50°	383.0	372.6	364.4	350.2	342.0	337.6	338.3	342.0	346.5	354.0	360.7
52.5°	354.0	346.5	339.1	326.4	318.9	316.0	318.2	321.2	329.4	334.6	342.8
55°	325.7	318.9	313.0	303.3	297.3	295.1	296.6	301.1	307.8	316.7	326.4
57.5°	299.6	292.1	286.2	279.5	272.7	273.5	274.2	280.2	288.4	296.6	307.8
60°	270.5	266.0	260.8	252.6	249.6	249.6	251.9	258.6	266.0	279.5	289.1
62.5°	244.4	238.5	234.7	229.5	225.1	225.8	231.0	237.0	245.9	257.1	269.8
65°	217.6	210.9	207.9	203.4	202.0	202.7	206.4	215.4	225.1	234.7	246.7
67.5°	187.8	185.6	182.6	178.1	179.6	180.3	184.1	191.5	202.0	211.6	225.1
70°	162.5	158.0	157.2	153.5	153.5	155.7	163.2	168.4	178.1	188.5	202.7
72.5°	135.6	131.9	131.9	128.9	131.2	133.4	137.1	144.6	153.5	163.9	175.9
75°	108.1	106.6	108.1	106.6	106.6	110.3	114.8	120.7	130.4	141.6	151.3
77.5°	83.5	83.5	82.7	85.0	85.0	87.2	93.2	99.1	106.6	115.5	125.9
80°	61.1	61.1	61.1	63.3	65.6	65.6	69.3	76.8	83.5	89.4	99.1
82.5°	41.7	41.7	41.7	43.2	46.2	46.2	50.7	55.1	62.6	67.8	72.3
85°	25.3	25.3	24.6	26.1	26.8	29.1	32.8	35.8	39.5	44.0	48.4
87.5°	11.2	11.2	11.9	12.7	13.4	14.9	16.4	17.9	21.6	23.1	25.3
90°	7.0	7.7	8.2	9.2	10.1	11.1	12.1	12.8	13.6	14.3	15.0
92.5°	20.6	21.4	21.7	22.3	23.0	23.6	24.2	24.6	24.9	25.3	25.6
95°	37.4	37.9	38.3	39.2	40.1	40.9	41.8	42.2	42.5	42.9	43.2
97.5°	56.7	57.2	57.7	58.6	59.6	60.5	61.5	62.0	62.5	63.0	63.5
100°	78.9	79.1	79.7	80.8	81.9	83.0	84.1	84.3	84.6	84.8	85.1
102.5°	102.7	102.8	103.3	104.3	105.2	106.2	107.2	107.6	107.9	108.3	108.6
105°	128.5	128.6	128.8	129.3	129.8	130.3	130.8	131.2	131.5	131.9	132.2
107.5°	155.4	155.5	155.6	155.7	155.8	156.0	156.1	156.6	157.1	157.6	158.1
110°	183.4	183.5	183.4	183.3	183.2	183.1	183.0	182.8	182.5	182.3	182.0

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	211.0	211.0	210.9	210.6	210.4	210.1	209.9	209.9	209.9	209.9	209.9
115°	239.6	239.6	239.5	239.2	239.0	238.7	238.5	238.4	238.2	238.1	238.0
117.5°	266.5	266.5	266.4	266.3	266.2	266.1	266.0	265.6	265.2	264.9	264.5
120°	295.4	295.6	295.4	295.1	294.7	294.4	294.0	293.4	292.8	292.1	291.5
122.5°	321.9	322.0	321.9	321.8	321.7	321.6	321.5	321.1	320.7	320.4	320.0
125°	348.9	348.9	348.8	348.7	348.6	348.5	348.4	348.2	347.9	347.7	347.4
127.5°	375.1	375.3	375.2	374.9	374.7	374.4	374.2	374.0	373.7	373.5	373.2
130°	401.5	401.7	401.7	401.7	401.7	401.7	401.7	401.5	401.2	401.0	400.7
132.5°	428.0	428.1	428.0	427.9	427.8	427.6	427.5	427.3	427.0	426.8	426.5
135°	453.0	453.4	453.4	453.4	453.4	453.4	453.4	453.2	452.9	452.7	452.4
137.5°	477.3	477.5	477.6	477.9	478.1	478.4	478.6	478.2	477.9	477.5	477.2
140°	502.7	502.8	502.8	502.8	502.8	502.8	502.8	502.7	502.6	502.5	502.4
142.5°	526.3	526.4	526.3	526.2	526.1	526.0	525.9	525.9	525.9	525.9	525.9
145°	548.8	549.0	549.1	549.2	549.3	549.4	549.5	549.4	549.3	549.2	549.1
147.5°	571.2	571.5	571.4	571.3	571.2	571.1	571.0	570.9	570.7	570.6	570.5
150°	590.5	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
152.5°	608.2	608.3	608.4	608.5	608.6	608.8	608.9	609.3	609.6	610.0	610.3
155°	626.5	626.5	626.4	626.3	626.2	626.0	625.9	626.4	626.9	627.4	627.9
157.5°	641.9	641.8	641.8	641.8	641.8	641.8	641.8	642.2	642.6	642.9	643.3
160°	656.8	656.7	656.6	656.5	656.4	656.2	656.1	656.5	656.9	657.2	657.6
162.5°	669.0	668.8	668.7	668.6	668.5	668.3	668.2	668.9	669.7	670.4	671.1
165°	680.5	680.3	680.2	679.9	679.7	679.4	679.2	679.9	680.7	681.4	682.1
167.5°	689.3	689.1	689.1	689.1	689.1	689.1	689.1	689.8	690.6	691.3	692.0
170°	696.6	696.3	696.4	696.5	696.6	696.7	696.8	697.5	698.3	699.0	699.7
172.5°	702.5	702.3	702.3	702.3	702.3	702.3	702.3	703.1	704.0	704.8	705.7
175°	707.0	706.7	706.6	706.5	706.4	706.2	706.1	707.0	707.8	708.7	709.6
177.5°	709.2	708.9	708.9	708.9	708.9	708.9	708.9	709.7	710.6	711.4	712.3
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	848.8	848.0	844.3	845.8	841.3	842.8	845.1	845.8	848.8	846.6	845.8
5°	796.6	795.1	792.9	790.7	789.9	792.9	787.7	789.2	790.7	792.9	795.9
7.5°	754.1	753.4	751.2	747.4	745.9	744.5	745.2	750.4	749.7	748.9	754.1
10°	715.4	716.1	711.7	710.9	706.5	705.7	706.5	707.9	710.2	713.2	713.9
12.5°	675.2	684.8	676.6	673.7	667.0	670.7	672.2	665.5	669.2	671.4	682.6
15°	649.8	645.3	640.1	640.1	637.1	635.7	631.9	637.1	640.1	644.6	643.1
17.5°	614.8	607.3	604.4	601.4	602.1	605.1	596.9	608.8	608.8	611.1	607.3
20°	584.2	578.3	574.6	573.1	570.8	569.3	568.6	571.6	576.0	577.5	581.3
22.5°	552.2	552.2	546.2	544.0	542.5	540.3	544.0	541.8	544.7	547.7	553.7
25°	525.4	525.4	523.1	520.2	517.9	516.4	518.7	517.9	520.2	523.9	525.4
27.5°	503.8	501.5	500.8	500.0	499.3	500.0	499.3	501.5	503.8	504.5	503.0
30°	485.1	482.9	483.6	483.6	484.4	483.6	482.9	485.1	485.9	484.4	485.1
32.5°	468.0	468.0	469.5	470.2	470.2	471.0	471.7	470.2	471.0	468.7	469.5
35°	453.8	455.3	456.8	457.6	458.3	457.6	459.0	458.3	456.8	455.3	454.6
37.5°	439.7	441.2	444.1	444.9	447.1	447.9	446.4	446.4	445.6	442.7	441.2
40°	424.8	426.3	430.0	432.2	433.7	435.9	434.5	434.5	431.5	428.5	426.3
42.5°	410.6	413.6	417.3	419.6	422.5	422.5	422.5	421.0	417.3	414.3	412.1
45°	396.4	397.2	402.4	406.1	409.1	409.1	409.1	406.9	404.6	398.7	395.7
47.5°	380.8	383.0	389.0	392.7	395.7	396.4	396.4	394.2	389.7	384.5	380.8
50°	363.7	367.4	374.1	379.3	383.0	384.5	382.3	380.8	375.6	369.6	365.2
52.5°	347.3	351.7	359.9	364.4	369.6	370.4	369.6	367.4	361.4	353.2	349.5
55°	330.9	334.6	343.5	351.0	355.5	357.0	355.5	351.7	344.3	336.1	332.4
57.5°	313.0	318.2	327.9	335.3	340.6	341.3	339.8	336.1	330.1	319.7	314.5
60°	294.4	301.1	310.8	318.2	324.9	325.7	324.2	318.9	311.5	301.1	296.6
62.5°	275.7	280.9	292.1	300.3	305.5	309.3	306.3	301.1	293.6	283.2	276.5
65°	254.1	261.6	271.3	278.7	284.7	285.4	283.9	279.5	271.3	260.1	254.9
67.5°	233.2	238.5	248.2	257.8	260.1	262.3	260.1	255.6	248.9	239.2	231.8
70°	207.9	212.4	224.3	231.0	234.0	236.2	234.7	230.3	224.3	215.4	209.4
72.5°	182.6	186.3	197.5	202.7	208.7	207.9	207.2	204.2	196.0	190.0	186.3
75°	155.7	160.2	167.7	174.4	176.6	176.6	176.6	174.4	169.2	159.5	155.7
77.5°	131.2	133.4	139.4	143.1	145.3	146.1	145.3	141.6	138.6	131.9	129.7
80°	100.6	106.6	111.0	111.8	114.8	114.8	114.8	113.3	110.3	103.6	102.8
82.5°	76.0	77.5	82.0	84.2	85.7	85.0	85.0	82.0	81.2	77.5	76.0
85°	51.4	53.7	52.9	55.9	56.6	55.1	55.1	56.6	52.9	53.7	51.4
87.5°	28.3	28.3	29.8	29.1	32.0	32.0	30.6	31.3	29.8	29.1	28.3
90°	15.4	15.5	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.5	15.4
92.5°	25.8	25.9	26.0	26.1	26.3	26.4	26.3	26.1	26.0	25.9	25.8
95°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
97.5°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
100°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
102.5°	108.8	108.9	109.0	109.1	109.3	109.4	109.3	109.1	109.0	108.9	108.8
105°	132.4	132.6	133.0	133.3	133.7	134.1	133.7	133.3	133.0	132.6	132.4
107.5°	158.3	158.2	158.1	158.0	157.8	157.7	157.8	158.0	158.1	158.2	158.3
110°	181.9	182.1	182.4	182.8	183.1	183.5	183.1	182.8	182.4	182.1	181.9

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
115°	237.9	237.8	237.7	237.6	237.5	237.4	237.5	237.6	237.7	237.8	237.9
117.5°	264.3	264.1	263.8	263.4	263.1	262.7	263.1	263.4	263.8	264.1	264.3
120°	291.2	291.3	291.6	291.8	292.1	292.3	292.1	291.8	291.6	291.3	291.2
122.5°	319.8	319.5	318.9	318.3	317.7	317.1	317.7	318.3	318.9	319.5	319.8
125°	347.3	347.2	346.9	346.7	346.4	346.2	346.4	346.7	346.9	347.2	347.3
127.5°	373.1	373.0	372.9	372.8	372.7	372.6	372.7	372.8	372.9	373.0	373.1
130°	400.6	400.4	399.9	399.4	398.9	398.4	398.9	399.4	399.9	400.4	400.6
132.5°	426.4	426.3	426.2	426.1	426.0	425.9	426.0	426.1	426.2	426.3	426.4
135°	452.3	452.1	451.7	451.4	451.0	450.6	451.0	451.4	451.7	452.1	452.3
137.5°	477.0	477.1	477.2	477.3	477.4	477.5	477.4	477.3	477.2	477.1	477.0
140°	502.3	502.2	502.1	502.0	501.8	501.7	501.8	502.0	502.1	502.2	502.3
142.5°	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9	525.9
145°	549.0	548.8	548.4	548.1	547.7	547.3	547.7	548.1	548.4	548.8	549.0
147.5°	570.4	570.3	570.2	570.1	570.0	569.9	570.0	570.1	570.2	570.3	570.4
150°	590.7	590.6	590.5	590.4	590.3	590.2	590.3	590.4	590.5	590.6	590.7
152.5°	610.5	610.3	610.0	609.6	609.3	608.9	609.3	609.6	610.0	610.3	610.5
155°	628.1	627.9	627.4	626.9	626.4	625.9	626.4	626.9	627.4	627.9	628.1
157.5°	643.5	643.3	642.9	642.6	642.2	641.8	642.2	642.6	642.9	643.3	643.5
160°	657.8	657.5	656.9	656.2	655.6	655.0	655.6	656.2	656.9	657.5	657.8
162.5°	671.5	671.2	670.6	670.0	669.4	668.8	669.4	670.0	670.6	671.2	671.5
165°	682.5	682.3	681.8	681.3	680.8	680.3	680.8	681.3	681.8	682.3	682.5
167.5°	692.4	692.0	691.3	690.6	689.8	689.1	689.8	690.6	691.3	692.0	692.4
170°	700.1	699.7	698.8	698.0	697.1	696.3	697.1	698.0	698.8	699.7	700.1
172.5°	706.1	705.7	704.8	704.0	703.1	702.3	703.1	704.0	704.8	705.7	706.1
175°	710.0	709.6	708.7	707.8	707.0	706.1	707.0	707.8	708.7	709.6	710.0
177.5°	712.7	712.2	711.2	710.3	709.3	708.3	709.3	710.3	711.2	712.2	712.7
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	845.8	850.3	845.8	848.8	850.3	854.0	855.5	862.2	864.4	869.7	869.7
5°	795.1	797.4	798.1	801.1	804.1	811.5	816.7	826.4	837.6	839.1	845.8
7.5°	754.1	757.9	763.8	761.6	766.8	778.0	784.7	796.6	807.8	813.8	822.0
10°	717.6	722.1	724.3	726.6	736.3	745.9	756.4	764.6	779.5	788.4	795.1
12.5°	687.8	684.1	688.6	696.8	707.9	713.9	728.1	740.7	751.9	761.6	767.6
15°	649.1	652.1	656.5	670.7	673.7	688.6	693.8	707.9	728.8	737.8	745.2
17.5°	611.8	621.5	630.4	635.7	644.6	656.5	671.4	687.1	700.5	710.9	719.9
20°	582.0	591.7	596.9	600.6	609.6	626.0	640.1	659.5	676.6	684.8	696.8
22.5°	558.2	558.2	565.6	576.8	582.0	597.7	609.6	630.4	649.1	659.5	670.7
25°	528.3	532.8	538.8	548.5	555.9	568.6	585.7	603.6	623.7	632.7	646.8
27.5°	503.8	509.0	517.2	519.4	526.9	538.0	555.9	575.3	596.2	605.9	617.8
30°	485.1	488.1	491.1	495.6	502.3	512.0	526.9	544.0	569.3	576.8	591.7
32.5°	468.7	470.2	471.7	475.4	479.2	488.9	500.8	519.4	540.3	551.5	564.9
35°	453.8	452.3	453.1	455.3	459.0	462.8	475.4	491.1	510.5	523.9	534.3
37.5°	439.7	436.7	435.9	435.9	437.4	441.9	451.6	465.0	485.9	497.1	507.5
40°	424.0	421.0	419.6	418.8	418.1	421.0	428.5	441.9	458.3	468.7	480.7
42.5°	409.1	406.1	402.4	401.7	400.2	401.7	406.9	419.6	433.7	444.1	453.8
45°	394.2	389.0	384.5	381.5	382.3	380.1	383.8	393.5	409.9	416.6	426.3
47.5°	377.8	371.9	365.9	362.9	359.9	361.4	362.9	371.1	385.3	392.0	401.7
50°	362.2	354.0	347.3	343.5	341.3	339.8	341.3	349.5	359.9	365.9	374.1
52.5°	344.3	336.1	329.4	323.4	320.4	318.2	318.9	326.4	336.1	342.0	350.2
55°	327.9	317.5	308.5	301.1	298.8	298.1	297.3	302.6	310.8	316.7	323.4
57.5°	309.3	298.8	289.1	280.2	275.7	275.0	275.0	276.5	286.9	291.4	295.1
60°	290.6	279.5	269.0	260.8	254.1	251.9	251.1	254.1	259.3	263.8	269.0
62.5°	269.8	258.6	245.9	238.5	231.8	225.8	228.0	228.8	236.2	238.5	242.9
65°	249.6	237.0	226.5	214.6	207.2	203.4	202.0	203.4	209.4	210.1	213.1
67.5°	226.5	214.6	202.0	193.8	187.0	180.3	178.8	178.8	181.8	184.1	187.8
70°	204.2	192.3	178.1	169.2	162.5	156.5	154.3	153.5	155.7	157.2	161.0
72.5°	178.1	166.2	155.7	146.1	137.9	133.4	131.2	129.7	131.9	133.4	134.1
75°	150.5	140.8	130.4	120.7	115.5	111.0	108.1	105.8	107.3	107.3	107.3
77.5°	124.4	114.8	106.6	99.9	93.2	87.9	85.7	83.5	84.2	84.2	85.7
80°	96.9	90.2	83.5	77.5	71.5	67.1	65.6	63.3	61.9	61.1	61.1
82.5°	71.5	66.3	60.4	55.1	52.2	47.7	46.2	43.2	43.2	42.5	42.5
85°	47.7	44.7	38.8	35.0	32.8	30.6	29.1	27.6	25.3	25.3	24.6
87.5°	25.3	23.8	22.4	17.9	17.9	15.6	14.9	14.2	11.9	12.7	12.7
90°	15.0	14.3	13.6	12.8	12.1	11.1	10.1	9.2	8.2	7.7	7.0
92.5°	25.6	25.3	24.9	24.6	24.2	23.6	23.0	22.3	21.7	21.4	20.6
95°	43.2	42.9	42.5	42.2	41.8	40.9	40.1	39.2	38.3	37.9	37.4
97.5°	63.5	63.0	62.5	62.0	61.5	60.5	59.6	58.6	57.7	57.2	56.7
100°	85.1	84.8	84.6	84.3	84.1	83.0	81.9	80.8	79.7	79.1	78.9
102.5°	108.6	108.3	107.9	107.6	107.2	106.2	105.2	104.3	103.3	102.8	102.7
105°	132.2	131.9	131.5	131.2	130.8	130.3	129.8	129.3	128.8	128.6	128.5
107.5°	158.1	157.6	157.1	156.6	156.1	156.0	155.8	155.7	155.6	155.5	155.4
110°	182.0	182.3	182.5	182.8	183.0	183.1	183.2	183.3	183.4	183.5	183.4

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	209.9	209.9	209.9	209.9	209.9	210.1	210.4	210.6	210.9	211.0	211.0
115°	238.0	238.1	238.2	238.4	238.5	238.7	239.0	239.2	239.5	239.6	239.6
117.5°	264.5	264.9	265.2	265.6	266.0	266.1	266.2	266.3	266.4	266.5	266.5
120°	291.5	292.1	292.8	293.4	294.0	294.4	294.7	295.1	295.4	295.6	295.4
122.5°	320.0	320.4	320.7	321.1	321.5	321.6	321.7	321.8	321.9	322.0	321.9
125°	347.4	347.7	347.9	348.2	348.4	348.5	348.6	348.7	348.8	348.9	348.9
127.5°	373.2	373.5	373.7	374.0	374.2	374.4	374.7	374.9	375.2	375.3	375.1
130°	400.7	401.0	401.2	401.5	401.7	401.7	401.7	401.7	401.7	401.7	401.5
132.5°	426.5	426.8	427.0	427.3	427.5	427.6	427.8	427.9	428.0	428.1	428.0
135°	452.4	452.7	452.9	453.2	453.4	453.4	453.4	453.4	453.4	453.4	453.0
137.5°	477.2	477.5	477.9	478.2	478.6	478.4	478.1	477.9	477.6	477.5	477.3
140°	502.4	502.5	502.6	502.7	502.8	502.8	502.8	502.8	502.8	502.8	502.7
142.5°	525.9	525.9	525.9	525.9	525.9	526.0	526.1	526.2	526.3	526.4	526.3
145°	549.1	549.2	549.3	549.4	549.5	549.4	549.3	549.2	549.1	549.0	548.8
147.5°	570.5	570.6	570.7	570.9	571.0	571.1	571.2	571.3	571.4	571.5	571.2
150°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.5
152.5°	610.3	610.0	609.6	609.3	608.9	608.8	608.6	608.5	608.4	608.3	608.2
155°	627.9	627.4	626.9	626.4	625.9	626.0	626.2	626.3	626.4	626.5	626.5
157.5°	643.3	642.9	642.6	642.2	641.8	641.8	641.8	641.8	641.8	641.8	641.9
160°	657.6	657.2	656.9	656.5	656.1	656.2	656.4	656.5	656.6	656.7	656.8
162.5°	671.1	670.4	669.7	668.9	668.2	668.3	668.5	668.6	668.7	668.8	669.0
165°	682.1	681.4	680.7	679.9	679.2	679.4	679.7	679.9	680.2	680.3	680.5
167.5°	692.0	691.3	690.6	689.8	689.1	689.1	689.1	689.1	689.1	689.1	689.3
170°	699.7	699.0	698.3	697.5	696.8	696.7	696.6	696.5	696.4	696.3	696.6
172.5°	705.7	704.8	704.0	703.1	702.3	702.3	702.3	702.3	702.3	702.3	702.5
175°	709.6	708.7	707.8	707.0	706.1	706.2	706.4	706.5	706.6	706.7	707.0
177.5°	712.3	711.4	710.6	709.7	708.9	708.9	708.9	708.9	708.9	708.9	709.2
180°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	899.5	899.5	899.5	899.5
2.5°	874.9	882.3	889.0	899.5
5°	855.5	865.9	880.1	895.7
7.5°	833.1	849.5	868.2	889.8
10°	812.3	830.9	854.7	880.8
12.5°	790.7	813.0	839.1	867.4
15°	766.1	788.4	817.5	855.5
17.5°	743.7	770.5	801.8	842.1
20°	717.6	743.0	777.2	823.5
22.5°	694.5	723.6	761.6	801.8
25°	669.2	694.5	732.5	781.0
27.5°	643.9	675.2	711.7	758.6
30°	619.3	645.3	684.8	734.0
32.5°	592.4	623.7	660.3	706.5
35°	563.4	593.2	627.5	677.4
37.5°	537.3	566.4	601.4	645.3
40°	508.2	538.8	570.8	614.8
42.5°	479.9	507.5	539.5	579.8
45°	452.3	476.2	505.2	540.3
47.5°	424.0	444.1	471.0	502.3
50°	393.5	415.1	435.2	461.3
52.5°	365.2	383.8	400.2	421.8
55°	337.6	350.2	363.7	380.1
57.5°	308.5	318.2	327.9	345.0
60°	279.5	288.4	293.6	304.8
62.5°	251.1	254.9	261.6	268.3
65°	219.8	225.1	228.8	237.0
67.5°	191.5	193.8	197.5	202.7
70°	161.7	166.9	168.4	172.1
72.5°	136.4	138.6	140.1	140.8
75°	108.1	110.3	111.8	116.3
77.5°	85.0	84.2	87.2	87.9
80°	62.6	60.4	61.1	64.1
82.5°	41.0	41.7	41.0	41.0
85°	25.3	24.6	23.1	23.8
87.5°	11.2	11.2	10.4	10.4
90°	5.7	4.3	3.0	1.6
92.5°	19.0	17.5	15.9	14.3
95°	36.3	35.2	34.1	33.0
97.5°	55.7	54.8	53.8	52.8
100°	78.4	77.9	77.4	76.9
102.5°	102.6	102.5	102.3	102.2
105°	128.4	128.3	128.1	128.0
107.5°	155.3	155.2	155.1	155.0
110°	183.1	182.9	182.6	182.4

TEST NUMBER: P1001629

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	211.0	211.0	211.0	211.0
115°	239.6	239.6	239.6	239.6
117.5°	266.5	266.5	266.5	266.5
120°	294.9	294.4	293.9	293.4
122.5°	321.8	321.7	321.6	321.5
125°	348.9	348.9	348.9	348.9
127.5°	374.8	374.4	374.1	373.7
130°	401.2	400.8	400.5	400.1
132.5°	427.7	427.5	427.2	427.0
135°	452.3	451.6	450.8	450.1
137.5°	477.0	476.6	476.3	475.9
140°	502.4	502.2	501.9	501.7
142.5°	526.0	525.8	525.5	525.3
145°	548.3	547.8	547.3	546.8
147.5°	570.6	570.0	569.4	568.8
150°	590.0	589.5	589.0	588.5
152.5°	607.9	607.7	607.4	607.2
155°	626.5	626.5	626.5	626.5
157.5°	642.2	642.4	642.7	642.9
160°	656.9	657.0	657.1	657.2
162.5°	669.3	669.7	670.0	670.4
165°	680.9	681.2	681.6	682.0
167.5°	689.8	690.3	690.8	691.3
170°	697.2	697.8	698.4	699.0
172.5°	703.0	703.5	704.0	704.5
175°	707.6	708.2	708.8	709.4
177.5°	709.8	710.4	711.0	711.6
180°	710.5	710.5	710.5	710.5

(END OF REPORT)