

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: P1001620

Luminaire Tested: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001620
REPORT IS A COMBINATION OF REPORTS P996242 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1
Description: Define 4 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

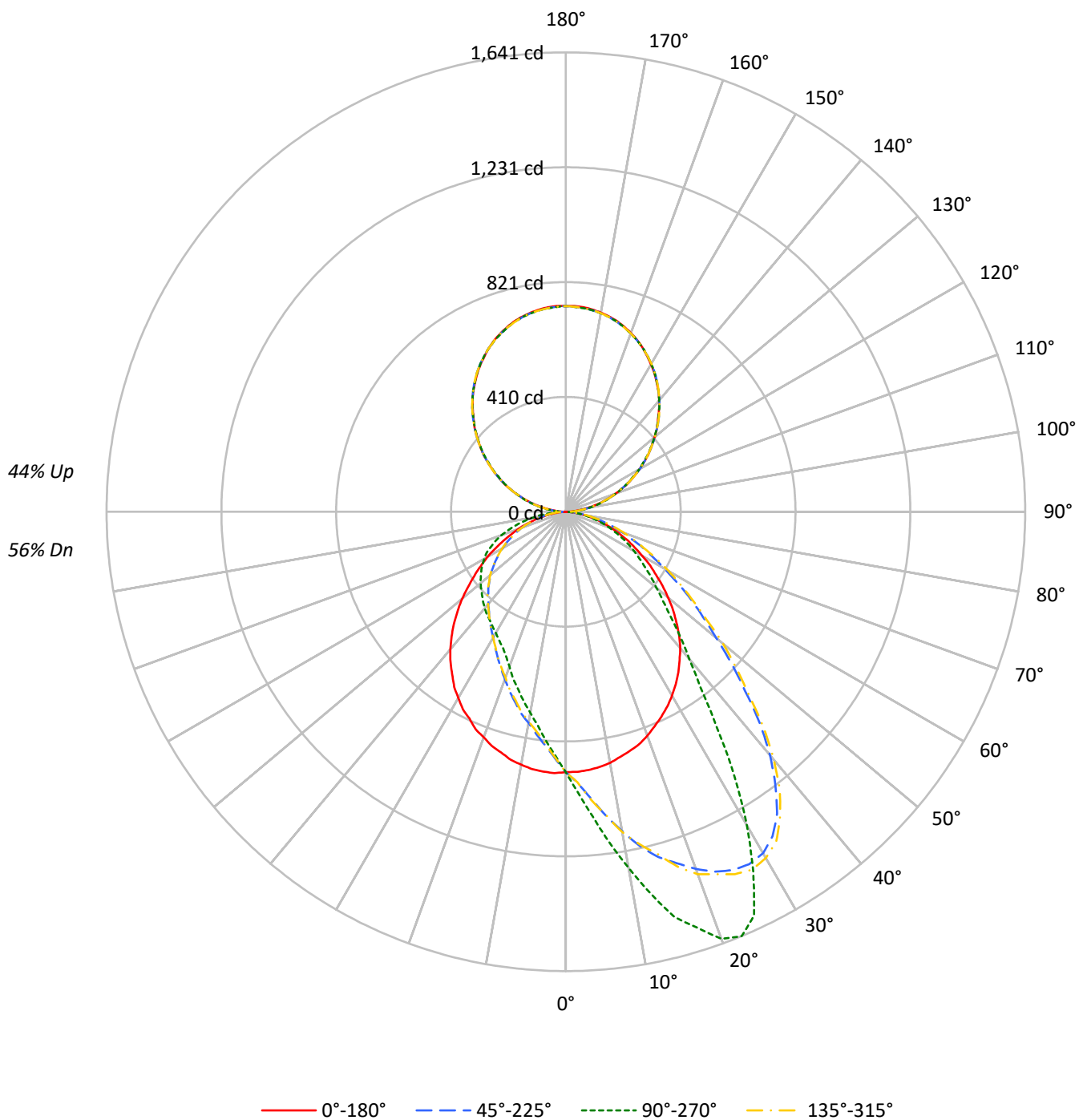
Lumens per Lamp: N/A
Luminaire Lumens: 4606.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

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°	7583	7583	7583	7583
5°	7564	8699	7607	6536
10°	7507	10149	7565	5735
15°	7417	11701	7469	5132
20°	7321	12687	7374	4600
25°	7181	12542	7249	4209
30°	7044	10366	7130	4007
35°	6851	7725	6927	3884
40°	6627	5819	6692	3825
45°	6285	4670	6362	3744
50°	5875	3935	5960	3705
55°	5393	3425	5478	3661
60°	4926	3016	5069	3601
65°	4487	2595	4529	3451
70°	3971	2135	4056	3177
75°	3464	1640	3441	2700
80°	2727	1078	2694	2049
85°	1797	484	1681	1195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9805 cd/sqm

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	2.0
10°-20°	279.3	6.1
20°-30°	443.8	9.6
30°-40°	493.1	10.7
40°-50°	448.4	9.7
50°-60°	366.4	8.0
60°-70°	261.6	5.7
70°-80°	143.9	3.1
80°-90°	40.5	0.9
90°-100°	47.9	1.0
100°-110°	143.4	3.1
110°-120°	243.7	5.3
120°-130°	321.3	7.0
130°-140°	360.9	7.8
140°-150°	354.7	7.7
150°-160°	298.4	6.5
160°-170°	198.5	4.3
170°-180°	69.5	1.5
0°-30°	813.6	17.7
0°-40°	1306.7	28.4
0°-60°	2121.6	46.1
0°-90°	2567.6	55.7
90°-120°	435.0	9.4
90°-150°	1472.0	32.0
90°-180°	2038.0	44.2
0°-180°	4606.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	926	1091	931	820	926	88
15°	884	1498	891	657	884	250
25°	807	1591	815	534	807	372
35°	700	941	708	473	700	437
45°	559	528	566	423	559	431
55°	393	345	399	369	393	353
65°	245	222	247	295	245	242
75°	120	111	119	183	120	126
85°	25	23	23	57	25	29
90°	2	17	2	17	2	4
95°	34	45	34	45	34	37
105°	132	139	132	139	132	140
115°	248	246	248	246	248	244
125°	361	358	361	358	361	322
135°	465	466	465	466	465	360
145°	565	566	565	566	565	354
155°	648	647	648	647	648	298
165°	705	703	705	703	705	199
175°	734	730	734	730	734	70
180°	735	735	735	735	735	

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	929.9	939.1	943.0	946.1	956.1	959.2	959.9	964.6	968.4	969.2	969.2
5°	926.1	940.7	952.2	963.0	979.2	986.1	994.6	1003.9	1016.2	1023.9	1027.7
7.5°	919.9	941.5	959.2	977.7	1000.0	1013.9	1021.6	1046.2	1063.2	1077.1	1094.0
10°	910.6	938.4	963.8	990.8	1022.4	1039.3	1056.3	1086.3	1110.2	1137.1	1158.7
12.5°	896.8	933.0	963.8	1001.6	1040.8	1060.9	1080.9	1133.3	1161.0	1184.9	1223.4
15°	884.4	920.7	964.6	1003.1	1051.6	1081.7	1111.0	1144.9	1188.8	1240.4	1277.4
17.5°	870.6	916.0	956.9	1010.8	1064.7	1093.2	1117.1	1169.5	1231.1	1282.0	1315.9
20°	851.3	897.5	951.5	1008.5	1072.4	1094.8	1126.4	1196.5	1251.9	1302.0	1357.5
22.5°	829.0	882.9	939.9	994.6	1060.9	1107.9	1142.5	1204.2	1271.2	1329.0	1391.4
25°	807.4	866.0	916.0	990.8	1060.9	1092.5	1131.8	1204.9	1278.1	1348.2	1412.2
27.5°	784.3	839.0	906.8	966.1	1045.5	1080.1	1122.5	1202.6	1280.4	1350.6	1419.1
30°	758.9	817.4	873.7	943.8	1020.8	1065.5	1104.8	1191.8	1271.2	1344.4	1408.3
32.5°	730.4	785.8	845.9	912.2	993.1	1038.5	1087.8	1177.2	1262.0	1325.1	1374.4
35°	700.3	756.6	808.9	876.7	959.9	1005.4	1053.2	1151.8	1235.8	1287.4	1315.9
37.5°	667.2	720.3	772.0	839.0	922.2	970.7	1019.3	1114.8	1194.2	1237.3	1229.6
40°	635.6	683.4	731.1	794.3	881.4	933.0	975.4	1071.7	1141.0	1159.5	1134.1
42.5°	599.4	640.2	686.4	751.2	835.9	884.4	937.6	1025.4	1077.1	1069.3	1026.2
45°	558.6	594.8	641.0	701.9	788.1	838.2	882.9	966.1	1003.9	984.6	906.0
47.5°	519.3	554.7	592.5	653.3	737.3	779.7	825.1	899.9	921.4	880.6	802.0
50°	476.9	506.2	545.5	603.2	681.8	726.5	764.3	824.4	832.1	782.0	700.3
52.5°	436.1	460.7	498.5	555.5	628.7	664.1	701.1	754.2	748.1	696.5	617.9
55°	392.9	416.0	450.7	503.1	567.8	601.7	633.3	680.3	667.2	614.0	545.5
57.5°	356.7	372.9	406.8	455.3	508.5	545.5	572.4	609.4	589.4	536.2	472.3
60°	315.1	335.1	363.6	402.9	455.3	480.0	503.9	528.5	514.6	463.8	406.8
62.5°	277.4	292.8	317.4	355.2	396.0	418.3	443.8	459.2	445.3	398.3	350.5
65°	245.0	257.3	276.6	307.4	346.7	365.2	379.8	394.5	382.9	339.0	304.3
67.5°	209.6	220.3	236.5	261.2	294.3	307.4	321.3	331.3	318.2	288.9	255.0
70°	178.0	185.7	201.1	219.6	242.7	255.0	266.6	276.6	265.0	240.4	214.9
72.5°	145.6	151.8	165.6	178.7	199.5	208.0	216.5	224.2	220.3	197.2	176.4
75°	120.2	122.5	131.7	142.5	155.6	164.9	171.0	175.7	172.6	154.1	141.0
77.5°	90.9	94.0	100.9	109.4	121.0	126.3	130.2	134.8	131.0	116.3	107.1
80°	66.3	67.0	70.9	78.6	86.3	87.1	90.9	97.1	94.8	84.7	77.8
82.5°	42.4	44.7	46.2	50.8	56.2	57.8	60.1	61.6	60.9	54.7	52.4
85°	24.7	24.7	26.2	29.3	30.8	33.1	33.9	34.7	36.2	32.4	30.0
87.5°	10.8	11.6	11.6	12.3	13.9	13.9	14.6	15.4	16.2	15.4	13.1
90°	1.7	3.1	4.5	5.9	7.3	8.0	8.5	9.5	10.5	11.5	12.5
92.5°	14.8	16.4	18.1	19.7	21.4	22.2	22.5	23.1	23.8	24.4	25.0
95°	34.1	35.2	36.4	37.5	38.6	39.2	39.6	40.5	41.4	42.3	43.2
97.5°	54.5	55.5	56.5	57.6	58.6	59.1	59.6	60.6	61.6	62.6	63.6
100°	79.5	80.0	80.5	81.0	81.5	81.8	82.4	83.5	84.6	85.8	86.9
102.5°	105.7	105.8	106.0	106.1	106.2	106.3	106.8	107.8	108.8	109.8	110.8
105°	132.4	132.5	132.7	132.8	132.9	133.0	133.2	133.7	134.2	134.7	135.2
107.5°	160.2	160.3	160.5	160.6	160.7	160.8	160.9	161.0	161.1	161.3	161.4
110°	188.6	188.9	189.1	189.4	189.7	189.8	189.7	189.6	189.5	189.3	189.2

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	218.2	218.2	218.2	218.2	218.2	218.2	218.1	217.8	217.5	217.3	217.0
115°	247.7	247.7	247.7	247.7	247.7	247.7	247.6	247.3	247.1	246.8	246.6
117.5°	275.6	275.6	275.6	275.6	275.6	275.6	275.5	275.4	275.3	275.1	275.0
120°	303.4	303.9	304.4	304.9	305.4	305.7	305.5	305.1	304.8	304.4	304.0
122.5°	332.4	332.5	332.7	332.8	332.9	333.0	332.9	332.8	332.7	332.5	332.4
125°	360.8	360.8	360.8	360.8	360.8	360.8	360.7	360.6	360.5	360.3	360.2
127.5°	386.4	386.8	387.2	387.5	387.9	388.1	388.0	387.7	387.4	387.2	386.9
130°	413.6	414.0	414.4	414.7	415.1	415.3	415.3	415.3	415.3	415.3	415.3
132.5°	441.5	441.7	442.0	442.2	442.5	442.6	442.5	442.4	442.3	442.1	442.0
135°	465.3	466.1	466.9	467.6	468.4	468.8	468.8	468.8	468.8	468.8	468.8
137.5°	492.1	492.5	492.9	493.2	493.6	493.8	493.9	494.2	494.4	494.7	494.9
140°	518.8	519.0	519.3	519.5	519.8	519.9	519.9	519.9	519.9	519.9	519.9
142.5°	543.2	543.4	543.7	543.9	544.2	544.3	544.2	544.1	544.0	543.9	543.8
145°	565.3	565.8	566.3	566.8	567.3	567.6	567.7	567.8	567.9	568.1	568.2
147.5°	588.1	588.7	589.3	590.0	590.6	590.9	590.8	590.7	590.6	590.4	590.3
150°	608.5	609.0	609.5	610.0	610.5	610.8	610.8	610.8	610.8	610.8	610.8
152.5°	627.8	628.1	628.3	628.6	628.9	629.0	629.1	629.2	629.3	629.5	629.6
155°	647.7	647.7	647.7	647.7	647.7	647.7	647.6	647.5	647.4	647.3	647.2
157.5°	664.8	664.5	664.3	664.0	663.7	663.6	663.6	663.6	663.6	663.6	663.6
160°	679.6	679.5	679.3	679.2	679.1	679.0	678.9	678.8	678.7	678.5	678.4
162.5°	693.2	692.8	692.4	692.1	691.7	691.5	691.4	691.3	691.2	691.0	690.9
165°	705.1	704.7	704.3	704.0	703.6	703.4	703.3	703.0	702.8	702.5	702.3
167.5°	714.8	714.3	713.8	713.3	712.8	712.5	712.5	712.5	712.5	712.5	712.5
170°	722.7	722.1	721.5	720.8	720.2	719.9	720.0	720.1	720.2	720.4	720.5
172.5°	728.4	727.9	727.4	726.9	726.4	726.1	726.1	726.1	726.1	726.1	726.1
175°	733.5	732.9	732.3	731.6	731.0	730.7	730.6	730.5	730.4	730.2	730.1
177.5°	735.8	735.2	734.6	733.9	733.3	733.0	733.0	733.0	733.0	733.0	733.0
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	971.5	985.4	991.5	993.1	1001.6	996.2	998.5	997.7	1003.9	1004.6	1004.6
5°	1042.4	1058.6	1064.0	1071.7	1083.2	1086.3	1084.0	1088.6	1097.1	1090.9	1100.2
7.5°	1117.1	1134.8	1147.2	1164.1	1168.0	1178.0	1184.1	1189.5	1191.1	1191.8	1193.4
10°	1186.5	1208.8	1225.7	1254.3	1260.4	1265.8	1292.8	1282.0	1295.9	1291.2	1292.8
12.5°	1242.7	1286.6	1300.5	1348.2	1352.9	1371.4	1369.8	1386.8	1389.8	1396.0	1389.8
15°	1316.7	1367.5	1389.8	1416.8	1432.2	1453.8	1457.6	1480.8	1490.0	1498.5	1490.0
17.5°	1384.5	1411.4	1468.4	1490.0	1500.0	1511.6	1540.8	1549.3	1563.2	1557.8	1573.2
20°	1418.4	1456.9	1517.0	1553.9	1569.4	1580.1	1604.8	1617.9	1623.3	1623.3	1624.8
22.5°	1448.4	1503.9	1548.6	1590.9	1604.8	1612.5	1627.1	1637.2	1639.5	1641.0	1642.5
25°	1475.4	1525.4	1561.7	1585.5	1590.9	1590.9	1599.4	1593.2	1583.2	1590.9	1595.6
27.5°	1475.4	1510.8	1527.0	1535.5	1535.5	1514.7	1502.3	1476.9	1455.3	1449.2	1463.0
30°	1450.7	1466.9	1444.5	1423.7	1407.6	1393.7	1345.2	1306.6	1298.9	1293.5	1314.3
32.5°	1393.7	1372.9	1329.0	1268.9	1245.0	1213.4	1175.7	1146.4	1128.7	1122.5	1117.9
35°	1292.8	1238.8	1181.8	1100.9	1084.0	1043.9	992.3	970.7	941.5	940.7	950.7
37.5°	1182.6	1099.4	1037.8	960.7	936.8	894.5	845.9	823.6	803.6	788.1	806.6
40°	1053.9	981.5	887.5	824.4	790.5	768.1	727.3	702.6	693.4	685.7	697.2
42.5°	933.8	854.4	781.2	716.5	688.8	663.3	636.4	612.5	605.6	604.8	613.3
45°	814.3	736.5	668.7	613.3	595.5	580.1	553.9	547.0	535.4	527.7	531.6
47.5°	718.8	638.7	582.4	540.1	524.7	511.6	494.6	483.1	473.0	470.0	474.6
50°	624.8	570.9	513.1	477.7	466.1	453.8	440.7	429.9	425.3	422.2	425.3
52.5°	549.3	491.5	452.2	423.7	412.2	402.9	393.7	389.1	382.9	384.4	387.5
55°	481.5	430.7	397.5	376.7	369.8	366.0	354.4	349.0	346.7	345.2	346.7
57.5°	417.6	380.6	355.9	338.2	329.0	326.7	317.4	317.4	315.1	312.8	313.6
60°	366.7	335.1	311.3	297.4	295.8	292.0	285.8	285.1	279.7	282.0	282.7
62.5°	315.1	289.7	273.5	265.0	259.6	258.1	254.2	253.5	251.2	251.9	250.4
65°	274.3	253.5	237.3	230.4	228.0	227.3	224.2	221.9	220.3	221.9	220.3
67.5°	233.4	219.6	207.2	200.3	197.2	196.5	194.1	192.6	193.4	191.1	192.6
70°	194.9	181.0	173.3	169.5	168.0	165.6	165.6	165.6	165.6	164.1	163.3
72.5°	164.1	150.2	144.8	142.5	141.0	140.2	137.9	138.7	137.9	137.1	140.2
75°	130.2	121.7	116.3	114.0	115.6	113.3	110.9	112.5	110.2	110.9	114.0
77.5°	98.6	94.8	91.7	90.1	88.6	87.1	87.1	85.5	85.5	85.5	85.5
80°	71.6	70.9	65.5	64.7	64.7	63.2	63.2	63.2	63.2	62.4	63.2
82.5°	47.8	47.0	45.5	44.7	43.1	43.9	43.9	42.4	42.4	41.6	42.4
85°	27.7	27.7	26.2	25.4	24.7	25.4	23.9	23.1	23.9	23.1	23.9
87.5°	13.1	11.6	12.3	11.6	10.0	10.8	9.2	10.0	9.2	8.5	10.0
90°	13.3	14.0	14.8	15.5	15.9	16.0	16.3	16.5	16.8	17.0	16.8
92.5°	25.4	25.8	26.1	26.5	26.7	26.8	26.9	27.0	27.2	27.3	27.2
95°	43.6	44.0	44.3	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
97.5°	64.1	64.6	65.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9
100°	87.2	87.4	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
102.5°	111.2	111.6	111.9	112.3	112.5	112.6	112.7	112.8	113.0	113.1	113.0
105°	135.6	136.0	136.3	136.7	136.9	137.1	137.5	137.8	138.2	138.6	138.2
107.5°	161.9	162.4	162.9	163.4	163.6	163.5	163.4	163.3	163.2	163.1	163.2
110°	189.0	188.7	188.5	188.2	188.1	188.3	188.7	189.0	189.4	189.8	189.4

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
115°	246.5	246.3	246.2	246.1	246.0	245.9	245.8	245.7	245.6	245.5	245.6
117.5°	274.6	274.2	273.9	273.5	273.3	273.1	272.7	272.4	272.0	271.6	272.0
120°	303.4	302.7	302.1	301.4	301.1	301.2	301.5	301.8	302.0	302.3	302.0
122.5°	332.0	331.6	331.3	330.9	330.7	330.4	329.7	329.1	328.4	327.8	328.4
125°	360.0	359.7	359.5	359.2	359.1	359.0	358.7	358.5	358.2	358.0	358.2
127.5°	386.7	386.4	386.2	385.9	385.8	385.7	385.6	385.5	385.3	385.2	385.3
130°	415.1	414.8	414.6	414.3	414.2	413.9	413.4	412.9	412.4	411.9	412.4
132.5°	441.8	441.5	441.3	441.0	440.9	440.8	440.7	440.6	440.4	440.3	440.4
135°	468.5	468.3	468.0	467.7	467.6	467.4	467.0	466.7	466.3	465.9	466.3
137.5°	494.5	494.1	493.8	493.4	493.2	493.3	493.4	493.5	493.7	493.8	493.7
140°	519.8	519.6	519.5	519.4	519.3	519.2	519.1	519.0	518.9	518.8	518.9
142.5°	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8
145°	568.1	567.9	567.8	567.7	567.6	567.4	567.0	566.7	566.3	565.9	566.3
147.5°	590.2	590.1	590.0	589.9	589.8	589.7	589.6	589.5	589.3	589.2	589.3
150°	610.8	610.8	610.8	610.8	610.8	610.7	610.6	610.5	610.3	610.2	610.3
152.5°	630.0	630.4	630.7	631.1	631.3	631.1	630.7	630.4	630.0	629.6	630.0
155°	647.7	648.2	648.7	649.2	649.4	649.2	648.7	648.2	647.7	647.2	647.7
157.5°	664.0	664.4	664.7	665.1	665.3	665.1	664.7	664.4	664.0	663.6	664.0
160°	678.8	679.2	679.5	679.9	680.1	679.8	679.2	678.5	677.9	677.3	677.9
162.5°	691.7	692.4	693.2	693.9	694.3	694.0	693.4	692.7	692.1	691.5	692.1
165°	703.1	703.8	704.6	705.3	705.7	705.4	704.9	704.4	703.9	703.4	703.9
167.5°	713.3	714.0	714.8	715.5	715.9	715.5	714.8	714.0	713.3	712.5	713.3
170°	721.3	722.0	722.8	723.5	723.9	723.5	722.6	721.7	720.8	719.9	720.8
172.5°	727.0	727.9	728.8	729.7	730.1	729.7	728.8	727.9	727.0	726.1	727.0
175°	731.0	731.9	732.8	733.7	734.1	733.7	732.8	731.9	731.0	730.1	731.0
177.5°	733.9	734.7	735.6	736.5	736.9	736.4	735.4	734.4	733.4	732.4	733.4
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	1003.1	1000.8	997.7	997.7	993.8	993.8	987.7	976.9	967.7	964.6	966.1
5°	1088.6	1089.4	1084.8	1080.9	1074.0	1068.6	1058.6	1039.3	1033.1	1020.8	1012.3
7.5°	1186.5	1183.4	1174.9	1168.7	1167.2	1154.9	1133.3	1110.2	1091.7	1079.4	1061.6
10°	1296.6	1284.3	1272.0	1268.1	1258.9	1238.1	1213.4	1188.0	1162.6	1135.6	1105.6
12.5°	1389.1	1365.2	1364.4	1355.2	1337.5	1325.9	1296.6	1260.4	1216.5	1186.5	1152.6
15°	1488.5	1466.1	1447.6	1430.7	1422.2	1388.3	1363.7	1318.2	1265.8	1233.5	1210.3
17.5°	1559.3	1549.3	1517.7	1510.0	1498.5	1459.2	1419.9	1375.2	1329.8	1284.3	1221.9
20°	1616.4	1610.2	1589.4	1578.6	1560.1	1529.3	1481.5	1429.9	1377.5	1312.8	1254.3
22.5°	1641.0	1633.3	1616.4	1607.1	1595.6	1569.4	1528.5	1470.0	1401.4	1343.6	1281.2
25°	1592.5	1606.3	1601.7	1597.9	1593.2	1577.8	1547.0	1495.4	1428.4	1362.9	1285.1
27.5°	1483.1	1507.0	1530.1	1533.1	1540.8	1547.0	1534.7	1497.7	1441.5	1372.1	1286.6
30°	1335.9	1346.7	1393.7	1407.6	1418.4	1457.6	1480.8	1471.5	1428.4	1366.0	1287.4
32.5°	1147.2	1175.7	1223.4	1256.6	1285.8	1329.8	1389.8	1413.7	1398.3	1347.5	1269.7
35°	968.4	1002.3	1057.8	1100.2	1129.4	1191.8	1262.7	1314.3	1333.6	1308.2	1238.8
37.5°	822.0	862.9	912.2	928.4	962.3	1039.3	1137.1	1208.8	1255.8	1258.1	1204.2
40°	711.9	732.7	772.0	796.6	829.7	894.5	990.0	1084.8	1155.6	1179.5	1151.0
42.5°	618.7	634.8	664.1	694.2	724.2	773.5	861.3	949.9	1045.5	1093.2	1092.5
45°	544.7	561.6	581.7	606.3	627.1	680.3	749.6	840.5	923.0	996.9	1015.4
47.5°	480.0	494.6	519.3	530.1	543.9	594.0	654.1	738.8	824.4	909.1	930.7
50°	432.2	444.5	461.5	468.4	483.8	520.8	570.1	638.7	733.4	811.3	851.3
52.5°	389.1	398.3	411.4	416.8	427.6	455.3	500.0	553.9	632.5	712.6	768.9
55°	352.1	358.2	367.5	373.7	381.4	406.0	439.1	487.7	555.5	624.8	679.5
57.5°	317.4	322.0	331.3	334.4	340.5	359.8	382.9	423.7	486.1	547.8	600.9
60°	285.1	288.1	293.5	300.5	305.1	318.2	339.8	373.7	423.7	480.0	523.1
62.5°	254.2	258.9	260.4	263.5	267.3	279.7	296.6	321.3	365.2	411.4	456.9
65°	222.7	226.5	229.6	230.4	234.2	243.5	258.9	280.4	308.9	349.0	391.4
67.5°	193.4	195.7	197.2	200.3	204.2	208.8	221.1	237.3	263.5	295.8	329.7
70°	166.4	166.4	168.7	169.5	174.1	179.5	184.9	200.3	223.4	249.6	272.7
72.5°	137.1	141.0	140.2	144.1	143.3	147.2	154.1	164.1	181.0	201.9	224.2
75°	111.7	114.0	114.0	114.0	115.6	118.6	122.5	131.7	144.8	161.8	174.9
77.5°	87.1	88.6	88.6	88.6	89.4	92.5	96.3	102.5	111.7	121.7	129.4
80°	62.4	63.9	63.9	65.5	65.5	66.3	70.1	73.2	77.8	85.5	93.2
82.5°	42.4	43.1	44.7	44.7	43.9	45.5	46.2	49.3	53.9	55.5	60.9
85°	23.1	23.9	24.7	24.7	25.4	27.0	26.2	29.3	29.3	32.4	33.9
87.5°	9.2	10.8	10.8	10.0	10.8	10.8	10.8	12.3	13.1	13.9	13.1
90°	16.5	16.3	16.0	15.9	15.5	14.8	14.0	13.3	12.5	11.5	10.5
92.5°	27.0	26.9	26.8	26.7	26.5	26.1	25.8	25.4	25.0	24.4	23.8
95°	44.9	44.9	44.9	44.9	44.7	44.3	44.0	43.6	43.2	42.3	41.4
97.5°	65.9	65.9	65.9	65.9	65.6	65.1	64.6	64.1	63.6	62.6	61.6
100°	88.1	88.1	88.1	88.1	88.0	87.7	87.4	87.2	86.9	85.8	84.6
102.5°	112.8	112.7	112.6	112.5	112.3	111.9	111.6	111.2	110.8	109.8	108.8
105°	137.8	137.5	137.1	136.9	136.7	136.3	136.0	135.6	135.2	134.7	134.2
107.5°	163.3	163.4	163.5	163.6	163.4	162.9	162.4	161.9	161.4	161.3	161.1
110°	189.0	188.7	188.3	188.1	188.2	188.5	188.7	189.0	189.2	189.3	189.5

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.3	217.5
115°	245.7	245.8	245.9	246.0	246.1	246.2	246.3	246.5	246.6	246.8	247.1
117.5°	272.4	272.7	273.1	273.3	273.5	273.9	274.2	274.6	275.0	275.1	275.3
120°	301.8	301.5	301.2	301.1	301.4	302.1	302.7	303.4	304.0	304.4	304.8
122.5°	329.1	329.7	330.4	330.7	330.9	331.3	331.6	332.0	332.4	332.5	332.7
125°	358.5	358.7	359.0	359.1	359.2	359.5	359.7	360.0	360.2	360.3	360.5
127.5°	385.5	385.6	385.7	385.8	385.9	386.2	386.4	386.7	386.9	387.2	387.4
130°	412.9	413.4	413.9	414.2	414.3	414.6	414.8	415.1	415.3	415.3	415.3
132.5°	440.6	440.7	440.8	440.9	441.0	441.3	441.5	441.8	442.0	442.1	442.3
135°	466.7	467.0	467.4	467.6	467.7	468.0	468.3	468.5	468.8	468.8	468.8
137.5°	493.5	493.4	493.3	493.2	493.4	493.8	494.1	494.5	494.9	494.7	494.4
140°	519.0	519.1	519.2	519.3	519.4	519.5	519.6	519.8	519.9	519.9	519.9
142.5°	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.9	544.0
145°	566.7	567.0	567.4	567.6	567.7	567.8	567.9	568.1	568.2	568.1	567.9
147.5°	589.5	589.6	589.7	589.8	589.9	590.0	590.1	590.2	590.3	590.4	590.6
150°	610.5	610.6	610.7	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8
152.5°	630.4	630.7	631.1	631.3	631.1	630.7	630.4	630.0	629.6	629.5	629.3
155°	648.2	648.7	649.2	649.4	649.2	648.7	648.2	647.7	647.2	647.3	647.4
157.5°	664.4	664.7	665.1	665.3	665.1	664.7	664.4	664.0	663.6	663.6	663.6
160°	678.5	679.2	679.8	680.1	679.9	679.5	679.2	678.8	678.4	678.5	678.7
162.5°	692.7	693.4	694.0	694.3	693.9	693.2	692.4	691.7	690.9	691.0	691.2
165°	704.4	704.9	705.4	705.7	705.3	704.6	703.8	703.1	702.3	702.5	702.8
167.5°	714.0	714.8	715.5	715.9	715.5	714.8	714.0	713.3	712.5	712.5	712.5
170°	721.7	722.6	723.5	723.9	723.5	722.8	722.0	721.3	720.5	720.4	720.2
172.5°	727.9	728.8	729.7	730.1	729.7	728.8	727.9	727.0	726.1	726.1	726.1
175°	731.9	732.8	733.7	734.1	733.7	732.8	731.9	731.0	730.1	730.2	730.4
177.5°	734.4	735.4	736.4	736.9	736.5	735.6	734.7	733.9	733.0	733.0	733.0
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	959.2	956.1	953.8	953.8	946.9	939.9	936.1	934.5	933.0	926.8	918.3
5°	998.5	988.5	981.5	974.6	963.0	950.7	938.4	931.4	921.4	907.6	897.5
7.5°	1042.4	1018.5	1010.8	1002.3	979.2	958.4	941.5	926.8	910.6	892.9	875.2
10°	1079.4	1053.9	1037.0	1022.4	992.3	964.6	939.1	917.6	896.8	873.7	852.1
12.5°	1114.8	1078.6	1060.9	1039.3	1007.7	967.7	934.5	907.6	876.7	852.9	826.7
15°	1164.1	1103.2	1074.0	1060.1	1017.7	970.7	930.7	890.6	865.2	829.0	805.9
17.5°	1171.8	1122.5	1103.2	1067.8	1017.0	963.8	917.6	877.5	839.0	806.6	776.6
20°	1198.8	1134.1	1103.2	1080.9	1013.9	959.9	909.1	857.5	820.5	785.8	751.9
22.5°	1215.7	1142.5	1110.2	1074.7	1010.8	946.1	886.0	841.3	795.8	760.4	733.4
25°	1211.1	1137.9	1101.7	1068.6	990.8	926.1	872.1	815.1	772.7	734.2	698.8
27.5°	1208.8	1126.4	1087.8	1050.9	977.7	909.9	842.1	795.8	748.9	704.2	678.0
30°	1202.6	1111.7	1067.0	1027.0	950.7	879.8	822.0	768.1	721.1	680.3	645.6
32.5°	1181.8	1087.1	1043.9	1000.8	921.4	850.5	792.0	741.9	694.9	652.5	619.4
35°	1154.1	1057.8	1010.8	965.3	886.0	814.3	760.4	708.0	664.1	623.3	591.7
37.5°	1126.4	1023.9	980.0	927.6	854.4	779.7	724.2	677.2	636.4	594.0	559.3
40°	1086.3	983.8	935.3	890.6	805.1	735.0	684.1	641.8	601.7	561.6	532.4
42.5°	1031.6	939.9	889.8	840.5	760.4	691.1	641.8	604.0	566.3	533.1	500.8
45°	976.1	886.8	842.1	798.2	711.1	645.6	600.2	565.5	533.9	497.7	471.5
47.5°	909.1	833.6	788.9	745.8	663.3	597.8	556.2	523.9	494.6	464.6	439.9
50°	840.5	775.0	734.2	689.5	610.9	551.6	510.8	483.8	459.9	431.4	411.4
52.5°	766.6	709.6	674.9	631.7	562.4	507.7	466.1	439.1	419.1	398.3	380.6
55°	688.0	646.4	609.4	574.7	509.3	459.9	423.0	399.1	385.2	366.0	350.5
57.5°	617.1	577.0	554.7	515.4	458.4	409.9	380.6	360.6	344.4	332.8	320.5
60°	543.1	510.8	486.1	457.6	407.6	366.7	335.9	324.3	307.4	298.9	293.5
62.5°	472.3	449.2	426.0	404.5	359.8	321.3	298.2	283.5	273.5	265.0	260.4
65°	405.2	383.7	367.5	348.2	311.3	280.4	258.9	247.3	237.3	235.0	229.6
67.5°	339.8	330.5	312.8	297.4	265.8	241.9	225.7	211.1	205.7	203.4	198.8
70°	284.3	273.5	259.6	246.5	222.7	201.9	187.2	181.8	174.1	173.3	168.0
72.5°	234.2	221.1	211.1	201.1	183.4	164.9	157.2	149.5	145.6	142.5	140.2
75°	185.7	176.4	169.5	161.0	145.6	133.3	122.5	119.4	117.1	116.3	114.8
77.5°	138.7	132.5	129.4	121.0	110.2	99.4	94.8	90.1	90.1	88.6	89.4
80°	98.6	94.8	90.9	86.3	77.0	72.4	68.6	65.5	63.9	63.2	63.9
82.5°	62.4	60.1	59.3	56.2	50.1	47.8	44.7	42.4	42.4	42.4	42.4
85°	34.7	34.7	34.7	30.0	27.7	25.4	23.9	23.1	23.1	23.1	23.9
87.5°	14.6	14.6	12.3	12.3	11.6	10.0	9.2	9.2	10.0	10.0	10.8
90°	9.5	8.5	8.0	7.3	5.9	4.5	3.1	1.7	3.1	4.5	5.9
92.5°	23.1	22.5	22.2	21.4	19.7	18.1	16.4	14.8	16.4	18.1	19.7
95°	40.5	39.6	39.2	38.6	37.5	36.4	35.2	34.1	35.2	36.4	37.5
97.5°	60.6	59.6	59.1	58.6	57.6	56.5	55.5	54.5	55.5	56.5	57.6
100°	83.5	82.4	81.8	81.5	81.0	80.5	80.0	79.5	80.0	80.5	81.0
102.5°	107.8	106.8	106.3	106.2	106.1	106.0	105.8	105.7	105.8	106.0	106.1
105°	133.7	133.2	133.0	132.9	132.8	132.7	132.5	132.4	132.5	132.7	132.8
107.5°	161.0	160.9	160.8	160.7	160.6	160.5	160.3	160.2	160.3	160.5	160.6
110°	189.6	189.7	189.8	189.7	189.4	189.1	188.9	188.6	188.9	189.1	189.4

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	217.8	218.1	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2
115°	247.3	247.6	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7
117.5°	275.4	275.5	275.6	275.6	275.6	275.6	275.6	275.6	275.6	275.6	275.6
120°	305.1	305.5	305.7	305.4	304.9	304.4	303.9	303.4	303.9	304.4	304.9
122.5°	332.8	332.9	333.0	332.9	332.8	332.7	332.5	332.4	332.5	332.7	332.8
125°	360.6	360.7	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8
127.5°	387.7	388.0	388.1	387.9	387.5	387.2	386.8	386.4	386.8	387.2	387.5
130°	415.3	415.3	415.3	415.1	414.7	414.4	414.0	413.6	414.0	414.4	414.7
132.5°	442.4	442.5	442.6	442.5	442.2	442.0	441.7	441.5	441.7	442.0	442.2
135°	468.8	468.8	468.8	468.4	467.6	466.9	466.1	465.3	466.1	466.9	467.6
137.5°	494.2	493.9	493.8	493.6	493.2	492.9	492.5	492.1	492.5	492.9	493.2
140°	519.9	519.9	519.9	519.8	519.5	519.3	519.0	518.8	519.0	519.3	519.5
142.5°	544.1	544.2	544.3	544.2	543.9	543.7	543.4	543.2	543.4	543.7	543.9
145°	567.8	567.7	567.6	567.3	566.8	566.3	565.8	565.3	565.8	566.3	566.8
147.5°	590.7	590.8	590.9	590.6	590.0	589.3	588.7	588.1	588.7	589.3	590.0
150°	610.8	610.8	610.8	610.5	610.0	609.5	609.0	608.5	609.0	609.5	610.0
152.5°	629.2	629.1	629.0	628.9	628.6	628.3	628.1	627.8	628.1	628.3	628.6
155°	647.5	647.6	647.7	647.7	647.7	647.7	647.7	647.7	647.7	647.7	647.7
157.5°	663.6	663.6	663.6	663.7	664.0	664.3	664.5	664.8	664.5	664.3	664.0
160°	678.8	678.9	679.0	679.1	679.2	679.3	679.5	679.6	679.5	679.3	679.2
162.5°	691.3	691.4	691.5	691.7	692.1	692.4	692.8	693.2	692.8	692.4	692.1
165°	703.0	703.3	703.4	703.6	704.0	704.3	704.7	705.1	704.7	704.3	704.0
167.5°	712.5	712.5	712.5	712.8	713.3	713.8	714.3	714.8	714.3	713.8	713.3
170°	720.1	720.0	719.9	720.2	720.8	721.5	722.1	722.7	722.1	721.5	720.8
172.5°	726.1	726.1	726.1	726.4	726.9	727.4	727.9	728.4	727.9	727.4	726.9
175°	730.5	730.6	730.7	731.0	731.6	732.3	732.9	733.5	732.9	732.3	731.6
177.5°	733.0	733.0	733.0	733.3	733.9	734.6	735.2	735.8	735.2	734.6	733.9
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	916.0	913.0	914.5	906.8	899.9	889.8	881.4	879.8	878.3	882.9	879.8
5°	889.8	886.0	882.1	872.9	859.0	850.5	838.2	837.5	832.8	825.9	827.4
7.5°	861.3	859.0	853.6	839.0	826.7	812.0	802.0	793.5	789.7	783.5	781.2
10°	838.2	829.7	825.1	808.9	794.3	778.9	765.8	759.6	752.7	747.3	743.5
12.5°	806.6	804.3	791.2	778.1	765.8	748.1	738.1	720.3	711.1	715.7	714.2
15°	785.8	775.0	772.0	753.5	732.7	721.1	702.6	691.1	687.2	680.3	671.8
17.5°	758.1	751.2	740.4	723.4	699.5	683.4	670.3	659.5	654.9	645.6	638.7
20°	731.9	720.3	711.9	696.5	673.4	652.5	636.4	629.4	617.9	610.2	606.3
22.5°	708.0	699.5	687.2	664.1	644.1	624.0	604.8	594.8	584.0	579.4	573.2
25°	678.7	664.9	656.4	631.0	609.4	593.2	575.5	562.4	556.2	548.5	547.0
27.5°	650.2	637.1	627.1	604.8	578.6	557.8	547.0	537.8	527.0	527.0	523.1
30°	621.7	612.5	597.1	575.5	550.9	530.8	518.5	510.0	506.2	503.1	502.3
32.5°	593.2	580.9	571.7	542.4	523.9	505.4	496.2	489.2	484.6	483.8	484.6
35°	564.0	550.1	540.8	514.6	496.2	479.2	475.4	469.2	466.9	466.1	470.0
37.5°	533.1	522.3	510.8	489.2	468.4	458.4	450.7	448.4	447.6	452.2	453.8
40°	504.6	495.4	484.6	461.5	446.1	435.3	431.4	429.1	432.2	436.8	439.1
42.5°	477.7	464.6	456.1	435.3	421.4	415.3	410.6	410.6	413.7	419.1	423.0
45°	449.2	439.1	430.7	412.2	399.9	392.9	392.1	392.9	396.8	400.6	405.2
47.5°	421.4	411.4	402.2	386.8	376.0	372.1	371.3	372.1	378.3	383.7	389.1
50°	396.0	385.2	376.7	362.1	353.6	349.0	349.8	353.6	358.2	366.0	372.9
52.5°	366.0	358.2	350.5	337.4	329.7	326.7	329.0	332.1	340.5	345.9	354.4
55°	336.7	329.7	323.6	313.6	307.4	305.1	306.6	311.3	318.2	327.4	337.4
57.5°	309.7	302.0	295.8	288.9	282.0	282.7	283.5	289.7	298.2	306.6	318.2
60°	279.7	275.0	269.6	261.2	258.1	258.1	260.4	267.3	275.0	288.9	298.9
62.5°	252.7	246.5	242.7	237.3	232.7	233.4	238.8	245.0	254.2	265.8	278.9
65°	225.0	218.0	214.9	210.3	208.8	209.6	213.4	222.7	232.7	242.7	255.0
67.5°	194.1	191.8	188.8	184.1	185.7	186.4	190.3	198.0	208.8	218.8	232.7
70°	168.0	163.3	162.6	158.7	158.7	161.0	168.7	174.1	184.1	194.9	209.6
72.5°	140.2	136.4	136.4	133.3	135.6	137.9	141.8	149.5	158.7	169.5	181.8
75°	111.7	110.2	111.7	110.2	110.2	114.0	118.6	124.8	134.8	146.4	156.4
77.5°	86.3	86.3	85.5	87.8	87.8	90.1	96.3	102.5	110.2	119.4	130.2
80°	63.2	63.2	63.2	65.5	67.8	67.8	71.6	79.4	86.3	92.5	102.5
82.5°	43.1	43.1	43.1	44.7	47.8	47.8	52.4	57.0	64.7	70.1	74.7
85°	26.2	26.2	25.4	27.0	27.7	30.0	33.9	37.0	40.8	45.5	50.1
87.5°	11.6	11.6	12.3	13.1	13.9	15.4	16.9	18.5	22.3	23.9	26.2
90°	7.3	8.0	8.5	9.5	10.5	11.5	12.5	13.3	14.0	14.8	15.5
92.5°	21.4	22.2	22.5	23.1	23.8	24.4	25.0	25.4	25.8	26.1	26.5
95°	38.6	39.2	39.6	40.5	41.4	42.3	43.2	43.6	44.0	44.3	44.7
97.5°	58.6	59.1	59.6	60.6	61.6	62.6	63.6	64.1	64.6	65.1	65.6
100°	81.5	81.8	82.4	83.5	84.6	85.8	86.9	87.2	87.4	87.7	88.0
102.5°	106.2	106.3	106.8	107.8	108.8	109.8	110.8	111.2	111.6	111.9	112.3
105°	132.9	133.0	133.2	133.7	134.2	134.7	135.2	135.6	136.0	136.3	136.7
107.5°	160.7	160.8	160.9	161.0	161.1	161.3	161.4	161.9	162.4	162.9	163.4
110°	189.7	189.8	189.7	189.6	189.5	189.3	189.2	189.0	188.7	188.5	188.2

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	218.2	218.2	218.1	217.8	217.5	217.3	217.0	217.0	217.0	217.0	217.0
115°	247.7	247.7	247.6	247.3	247.1	246.8	246.6	246.5	246.3	246.2	246.1
117.5°	275.6	275.6	275.5	275.4	275.3	275.1	275.0	274.6	274.2	273.9	273.5
120°	305.4	305.7	305.5	305.1	304.8	304.4	304.0	303.4	302.7	302.1	301.4
122.5°	332.9	333.0	332.9	332.8	332.7	332.5	332.4	332.0	331.6	331.3	330.9
125°	360.8	360.8	360.7	360.6	360.5	360.3	360.2	360.0	359.7	359.5	359.2
127.5°	387.9	388.1	388.0	387.7	387.4	387.2	386.9	386.7	386.4	386.2	385.9
130°	415.1	415.3	415.3	415.3	415.3	415.3	415.3	415.1	414.8	414.6	414.3
132.5°	442.5	442.6	442.5	442.4	442.3	442.1	442.0	441.8	441.5	441.3	441.0
135°	468.4	468.8	468.8	468.8	468.8	468.8	468.8	468.5	468.3	468.0	467.7
137.5°	493.6	493.8	493.9	494.2	494.4	494.7	494.9	494.5	494.1	493.8	493.4
140°	519.8	519.9	519.9	519.9	519.9	519.9	519.9	519.8	519.6	519.5	519.4
142.5°	544.2	544.3	544.2	544.1	544.0	543.9	543.8	543.8	543.8	543.8	543.8
145°	567.3	567.6	567.7	567.8	567.9	568.1	568.2	568.1	567.9	567.8	567.7
147.5°	590.6	590.9	590.8	590.7	590.6	590.4	590.3	590.2	590.1	590.0	589.9
150°	610.5	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8
152.5°	628.9	629.0	629.1	629.2	629.3	629.5	629.6	630.0	630.4	630.7	631.1
155°	647.7	647.7	647.6	647.5	647.4	647.3	647.2	647.7	648.2	648.7	649.2
157.5°	663.7	663.6	663.6	663.6	663.6	663.6	663.6	664.0	664.4	664.7	665.1
160°	679.1	679.0	678.9	678.8	678.7	678.5	678.4	678.8	679.2	679.5	679.9
162.5°	691.7	691.5	691.4	691.3	691.2	691.0	690.9	691.7	692.4	693.2	693.9
165°	703.6	703.4	703.3	703.0	702.8	702.5	702.3	703.1	703.8	704.6	705.3
167.5°	712.8	712.5	712.5	712.5	712.5	712.5	712.5	713.3	714.0	714.8	715.5
170°	720.2	719.9	720.0	720.1	720.2	720.4	720.5	721.3	722.0	722.8	723.5
172.5°	726.4	726.1	726.1	726.1	726.1	726.1	726.1	727.0	727.9	728.8	729.7
175°	731.0	730.7	730.6	730.5	730.4	730.2	730.1	731.0	731.9	732.8	733.7
177.5°	733.3	733.0	733.0	733.0	733.0	733.0	733.0	733.9	734.7	735.6	736.5
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	877.5	876.7	872.9	874.4	869.8	871.4	873.7	874.4	877.5	875.2	874.4
5°	823.6	822.0	819.7	817.4	816.7	819.7	814.3	815.9	817.4	819.7	822.8
7.5°	779.7	778.9	776.6	772.7	771.2	769.7	770.4	775.8	775.0	774.3	779.7
10°	739.6	740.4	735.8	735.0	730.4	729.6	730.4	731.9	734.2	737.3	738.1
12.5°	698.0	708.0	699.5	696.5	689.5	693.4	694.9	688.0	691.8	694.2	705.7
15°	671.8	667.2	661.8	661.8	658.7	657.2	653.3	658.7	661.8	666.4	664.9
17.5°	635.6	627.9	624.8	621.7	622.5	625.6	617.1	629.4	629.4	631.7	627.9
20°	604.0	597.8	594.0	592.5	590.1	588.6	587.8	590.9	595.5	597.1	600.9
22.5°	570.9	570.9	564.7	562.4	560.9	558.6	562.4	560.1	563.2	566.3	572.4
25°	543.1	543.1	540.8	537.8	535.4	533.9	536.2	535.4	537.8	541.6	543.1
27.5°	520.8	518.5	517.7	517.0	516.2	517.0	516.2	518.5	520.8	521.6	520.0
30°	501.5	499.2	500.0	500.0	500.8	500.0	499.2	501.5	502.3	500.8	501.5
32.5°	483.8	483.8	485.4	486.1	486.1	486.9	487.7	486.1	486.9	484.6	485.4
35°	469.2	470.7	472.3	473.0	473.8	473.0	474.6	473.8	472.3	470.7	470.0
37.5°	454.6	456.1	459.2	459.9	462.3	463.0	461.5	461.5	460.7	457.6	456.1
40°	439.1	440.7	444.5	446.8	448.4	450.7	449.2	449.2	446.1	443.0	440.7
42.5°	424.5	427.6	431.4	433.7	436.8	436.8	436.8	435.3	431.4	428.4	426.0
45°	409.9	410.6	416.0	419.9	423.0	423.0	423.0	420.7	418.3	412.2	409.1
47.5°	393.7	396.0	402.2	406.0	409.1	409.9	409.9	407.6	402.9	397.5	393.7
50°	376.0	379.8	386.8	392.1	396.0	397.5	395.2	393.7	388.3	382.1	377.5
52.5°	359.0	363.6	372.1	376.7	382.1	382.9	382.1	379.8	373.7	365.2	361.3
55°	342.1	345.9	355.2	362.9	367.5	369.0	367.5	363.6	355.9	347.5	343.6
57.5°	323.6	329.0	339.0	346.7	352.1	352.9	351.3	347.5	341.3	330.5	325.1
60°	304.3	311.3	321.3	329.0	335.9	336.7	335.1	329.7	322.0	311.3	306.6
62.5°	285.1	290.5	302.0	310.5	315.9	319.7	316.6	311.3	303.5	292.8	285.8
65°	262.7	270.4	280.4	288.1	294.3	295.1	293.5	288.9	280.4	268.9	263.5
67.5°	241.1	246.5	256.6	266.6	268.9	271.2	268.9	264.3	257.3	247.3	239.6
70°	214.9	219.6	231.9	238.8	241.9	244.2	242.7	238.1	231.9	222.7	216.5
72.5°	188.8	192.6	204.2	209.6	215.7	214.9	214.2	211.1	202.6	196.5	192.6
75°	161.0	165.6	173.3	180.3	182.6	182.6	182.6	180.3	174.9	164.9	161.0
77.5°	135.6	137.9	144.1	147.9	150.2	151.0	150.2	146.4	143.3	136.4	134.1
80°	104.0	110.2	114.8	115.6	118.6	118.6	118.6	117.1	114.0	107.1	106.3
82.5°	78.6	80.1	84.7	87.1	88.6	87.8	87.8	84.7	84.0	80.1	78.6
85°	53.2	55.5	54.7	57.8	58.6	57.0	57.0	58.6	54.7	55.5	53.2
87.5°	29.3	29.3	30.8	30.0	33.1	33.1	31.6	32.4	30.8	30.0	29.3
90°	15.9	16.0	16.3	16.5	16.8	17.0	16.8	16.5	16.3	16.0	15.9
92.5°	26.7	26.8	26.9	27.0	27.2	27.3	27.2	27.0	26.9	26.8	26.7
95°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
97.5°	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
100°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
102.5°	112.5	112.6	112.7	112.8	113.0	113.1	113.0	112.8	112.7	112.6	112.5
105°	136.9	137.1	137.5	137.8	138.2	138.6	138.2	137.8	137.5	137.1	136.9
107.5°	163.6	163.5	163.4	163.3	163.2	163.1	163.2	163.3	163.4	163.5	163.6
110°	188.1	188.3	188.7	189.0	189.4	189.8	189.4	189.0	188.7	188.3	188.1

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
115°	246.0	245.9	245.8	245.7	245.6	245.5	245.6	245.7	245.8	245.9	246.0
117.5°	273.3	273.1	272.7	272.4	272.0	271.6	272.0	272.4	272.7	273.1	273.3
120°	301.1	301.2	301.5	301.8	302.0	302.3	302.0	301.8	301.5	301.2	301.1
122.5°	330.7	330.4	329.7	329.1	328.4	327.8	328.4	329.1	329.7	330.4	330.7
125°	359.1	359.0	358.7	358.5	358.2	358.0	358.2	358.5	358.7	359.0	359.1
127.5°	385.8	385.7	385.6	385.5	385.3	385.2	385.3	385.5	385.6	385.7	385.8
130°	414.2	413.9	413.4	412.9	412.4	411.9	412.4	412.9	413.4	413.9	414.2
132.5°	440.9	440.8	440.7	440.6	440.4	440.3	440.4	440.6	440.7	440.8	440.9
135°	467.6	467.4	467.0	466.7	466.3	465.9	466.3	466.7	467.0	467.4	467.6
137.5°	493.2	493.3	493.4	493.5	493.7	493.8	493.7	493.5	493.4	493.3	493.2
140°	519.3	519.2	519.1	519.0	518.9	518.8	518.9	519.0	519.1	519.2	519.3
142.5°	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8	543.8
145°	567.6	567.4	567.0	566.7	566.3	565.9	566.3	566.7	567.0	567.4	567.6
147.5°	589.8	589.7	589.6	589.5	589.3	589.2	589.3	589.5	589.6	589.7	589.8
150°	610.8	610.7	610.6	610.5	610.3	610.2	610.3	610.5	610.6	610.7	610.8
152.5°	631.3	631.1	630.7	630.4	630.0	629.6	630.0	630.4	630.7	631.1	631.3
155°	649.4	649.2	648.7	648.2	647.7	647.2	647.7	648.2	648.7	649.2	649.4
157.5°	665.3	665.1	664.7	664.4	664.0	663.6	664.0	664.4	664.7	665.1	665.3
160°	680.1	679.8	679.2	678.5	677.9	677.3	677.9	678.5	679.2	679.8	680.1
162.5°	694.3	694.0	693.4	692.7	692.1	691.5	692.1	692.7	693.4	694.0	694.3
165°	705.7	705.4	704.9	704.4	703.9	703.4	703.9	704.4	704.9	705.4	705.7
167.5°	715.9	715.5	714.8	714.0	713.3	712.5	713.3	714.0	714.8	715.5	715.9
170°	723.9	723.5	722.6	721.7	720.8	719.9	720.8	721.7	722.6	723.5	723.9
172.5°	730.1	729.7	728.8	727.9	727.0	726.1	727.0	727.9	728.8	729.7	730.1
175°	734.1	733.7	732.8	731.9	731.0	730.1	731.0	731.9	732.8	733.7	734.1
177.5°	736.9	736.4	735.4	734.4	733.4	732.4	733.4	734.4	735.4	736.4	736.9
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	874.4	879.1	874.4	877.5	879.1	882.9	884.4	891.4	893.7	899.1	899.1
5°	822.0	824.4	825.1	828.2	831.3	839.0	844.4	854.4	866.0	867.5	874.4
7.5°	779.7	783.5	789.7	787.4	792.8	804.3	811.3	823.6	835.1	841.3	849.8
10°	741.9	746.5	748.9	751.2	761.2	771.2	782.0	790.5	805.9	815.1	822.0
12.5°	711.1	707.3	711.9	720.3	731.9	738.1	752.7	765.8	777.4	787.4	793.5
15°	671.0	674.1	678.7	693.4	696.5	711.9	717.3	731.9	753.5	762.7	770.4
17.5°	632.5	642.5	651.8	657.2	666.4	678.7	694.2	710.3	724.2	735.0	744.2
20°	601.7	611.7	617.1	621.0	630.2	647.2	661.8	681.8	699.5	708.0	720.3
22.5°	577.0	577.0	584.8	596.3	601.7	617.9	630.2	651.8	671.0	681.8	693.4
25°	546.2	550.9	557.0	567.0	574.7	587.8	605.6	624.0	644.8	654.1	668.7
27.5°	520.8	526.2	534.7	537.0	544.7	556.2	574.7	594.8	616.3	626.4	638.7
30°	501.5	504.6	507.7	512.3	519.3	529.3	544.7	562.4	588.6	596.3	611.7
32.5°	484.6	486.1	487.7	491.5	495.4	505.4	517.7	537.0	558.6	570.1	584.0
35°	469.2	467.6	468.4	470.7	474.6	478.4	491.5	507.7	527.7	541.6	552.4
37.5°	454.6	451.5	450.7	450.7	452.2	456.9	466.9	480.7	502.3	513.9	524.7
40°	438.4	435.3	433.7	433.0	432.2	435.3	443.0	456.9	473.8	484.6	496.9
42.5°	423.0	419.9	416.0	415.3	413.7	415.3	420.7	433.7	448.4	459.2	469.2
45°	407.6	402.2	397.5	394.5	395.2	392.9	396.8	406.8	423.7	430.7	440.7
47.5°	390.6	384.4	378.3	375.2	372.1	373.7	375.2	383.7	398.3	405.2	415.3
50°	374.4	366.0	359.0	355.2	352.9	351.3	352.9	361.3	372.1	378.3	386.8
52.5°	355.9	347.5	340.5	334.4	331.3	329.0	329.7	337.4	347.5	353.6	362.1
55°	339.0	328.2	319.0	311.3	308.9	308.2	307.4	312.8	321.3	327.4	334.4
57.5°	319.7	308.9	298.9	289.7	285.1	284.3	284.3	285.8	296.6	301.2	305.1
60°	300.5	288.9	278.1	269.6	262.7	260.4	259.6	262.7	268.1	272.7	278.1
62.5°	278.9	267.3	254.2	246.5	239.6	233.4	235.8	236.5	244.2	246.5	251.2
65°	258.1	245.0	234.2	221.9	214.2	210.3	208.8	210.3	216.5	217.3	220.3
67.5°	234.2	221.9	208.8	200.3	193.4	186.4	184.9	184.9	188.0	190.3	194.1
70°	211.1	198.8	184.1	174.9	168.0	161.8	159.5	158.7	161.0	162.6	166.4
72.5°	184.1	171.8	161.0	151.0	142.5	137.9	135.6	134.1	136.4	137.9	138.7
75°	155.6	145.6	134.8	124.8	119.4	114.8	111.7	109.4	110.9	110.9	110.9
77.5°	128.7	118.6	110.2	103.2	96.3	90.9	88.6	86.3	87.1	87.1	88.6
80°	100.2	93.2	86.3	80.1	74.0	69.3	67.8	65.5	63.9	63.2	63.2
82.5°	74.0	68.6	62.4	57.0	53.9	49.3	47.8	44.7	44.7	43.9	43.9
85°	49.3	46.2	40.1	36.2	33.9	31.6	30.0	28.5	26.2	26.2	25.4
87.5°	26.2	24.7	23.1	18.5	18.5	16.2	15.4	14.6	12.3	13.1	13.1
90°	15.5	14.8	14.0	13.3	12.5	11.5	10.5	9.5	8.5	8.0	7.3
92.5°	26.5	26.1	25.8	25.4	25.0	24.4	23.8	23.1	22.5	22.2	21.4
95°	44.7	44.3	44.0	43.6	43.2	42.3	41.4	40.5	39.6	39.2	38.6
97.5°	65.6	65.1	64.6	64.1	63.6	62.6	61.6	60.6	59.6	59.1	58.6
100°	88.0	87.7	87.4	87.2	86.9	85.8	84.6	83.5	82.4	81.8	81.5
102.5°	112.3	111.9	111.6	111.2	110.8	109.8	108.8	107.8	106.8	106.3	106.2
105°	136.7	136.3	136.0	135.6	135.2	134.7	134.2	133.7	133.2	133.0	132.9
107.5°	163.4	162.9	162.4	161.9	161.4	161.3	161.1	161.0	160.9	160.8	160.7
110°	188.2	188.5	188.7	189.0	189.2	189.3	189.5	189.6	189.7	189.8	189.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	217.0	217.0	217.0	217.0	217.0	217.3	217.5	217.8	218.1	218.2	218.2
115°	246.1	246.2	246.3	246.5	246.6	246.8	247.1	247.3	247.6	247.7	247.7
117.5°	273.5	273.9	274.2	274.6	275.0	275.1	275.3	275.4	275.5	275.6	275.6
120°	301.4	302.1	302.7	303.4	304.0	304.4	304.8	305.1	305.5	305.7	305.4
122.5°	330.9	331.3	331.6	332.0	332.4	332.5	332.7	332.8	332.9	333.0	332.9
125°	359.2	359.5	359.7	360.0	360.2	360.3	360.5	360.6	360.7	360.8	360.8
127.5°	385.9	386.2	386.4	386.7	386.9	387.2	387.4	387.7	388.0	388.1	387.9
130°	414.3	414.6	414.8	415.1	415.3	415.3	415.3	415.3	415.3	415.3	415.1
132.5°	441.0	441.3	441.5	441.8	442.0	442.1	442.3	442.4	442.5	442.6	442.5
135°	467.7	468.0	468.3	468.5	468.8	468.8	468.8	468.8	468.8	468.8	468.4
137.5°	493.4	493.8	494.1	494.5	494.9	494.7	494.4	494.2	493.9	493.8	493.6
140°	519.4	519.5	519.6	519.8	519.9	519.9	519.9	519.9	519.9	519.9	519.8
142.5°	543.8	543.8	543.8	543.8	543.8	543.9	544.0	544.1	544.2	544.3	544.2
145°	567.7	567.8	567.9	568.1	568.2	568.1	567.9	567.8	567.7	567.6	567.3
147.5°	589.9	590.0	590.1	590.2	590.3	590.4	590.6	590.7	590.8	590.9	590.6
150°	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.5
152.5°	631.1	630.7	630.4	630.0	629.6	629.5	629.3	629.2	629.1	629.0	628.9
155°	649.2	648.7	648.2	647.7	647.2	647.3	647.4	647.5	647.6	647.7	647.7
157.5°	665.1	664.7	664.4	664.0	663.6	663.6	663.6	663.6	663.6	663.6	663.7
160°	679.9	679.5	679.2	678.8	678.4	678.5	678.7	678.8	678.9	679.0	679.1
162.5°	693.9	693.2	692.4	691.7	690.9	691.0	691.2	691.3	691.4	691.5	691.7
165°	705.3	704.6	703.8	703.1	702.3	702.5	702.8	703.0	703.3	703.4	703.6
167.5°	715.5	714.8	714.0	713.3	712.5	712.5	712.5	712.5	712.5	712.5	712.8
170°	723.5	722.8	722.0	721.3	720.5	720.4	720.2	720.1	720.0	719.9	720.2
172.5°	729.7	728.8	727.9	727.0	726.1	726.1	726.1	726.1	726.1	726.1	726.4
175°	733.7	732.8	731.9	731.0	730.1	730.2	730.4	730.5	730.6	730.7	731.0
177.5°	736.5	735.6	734.7	733.9	733.0	733.0	733.0	733.0	733.0	733.0	733.3
180°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	929.9	929.9	929.9	929.9
2.5°	904.5	912.2	919.1	929.9
5°	884.4	895.2	909.9	926.1
7.5°	861.3	878.3	897.5	919.9
10°	839.8	859.0	883.7	910.6
12.5°	817.4	840.5	867.5	896.8
15°	792.0	815.1	845.2	884.4
17.5°	768.9	796.6	829.0	870.6
20°	741.9	768.1	803.6	851.3
22.5°	718.0	748.1	787.4	829.0
25°	691.8	718.0	757.3	807.4
27.5°	665.6	698.0	735.8	784.3
30°	640.2	667.2	708.0	758.9
32.5°	612.5	644.8	682.6	730.4
35°	582.4	613.3	648.7	700.3
37.5°	555.5	585.5	621.7	667.2
40°	525.4	557.0	590.1	635.6
42.5°	496.2	524.7	557.8	599.4
45°	467.6	492.3	522.3	558.6
47.5°	438.4	459.2	486.9	519.3
50°	406.8	429.1	449.9	476.9
52.5°	377.5	396.8	413.7	436.1
55°	349.0	362.1	376.0	392.9
57.5°	319.0	329.0	339.0	356.7
60°	288.9	298.2	303.5	315.1
62.5°	259.6	263.5	270.4	277.4
65°	227.3	232.7	236.5	245.0
67.5°	198.0	200.3	204.2	209.6
70°	167.2	172.6	174.1	178.0
72.5°	141.0	143.3	144.8	145.6
75°	111.7	114.0	115.6	120.2
77.5°	87.8	87.1	90.1	90.9
80°	64.7	62.4	63.2	66.3
82.5°	42.4	43.1	42.4	42.4
85°	26.2	25.4	23.9	24.7
87.5°	11.6	11.6	10.8	10.8
90°	5.9	4.5	3.1	1.7
92.5°	19.7	18.1	16.4	14.8
95°	37.5	36.4	35.2	34.1
97.5°	57.6	56.5	55.5	54.5
100°	81.0	80.5	80.0	79.5
102.5°	106.1	106.0	105.8	105.7
105°	132.8	132.7	132.5	132.4
107.5°	160.6	160.5	160.3	160.2
110°	189.4	189.1	188.9	188.6

TEST NUMBER: P1001620

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	218.2	218.2	218.2	218.2
115°	247.7	247.7	247.7	247.7
117.5°	275.6	275.6	275.6	275.6
120°	304.9	304.4	303.9	303.4
122.5°	332.8	332.7	332.5	332.4
125°	360.8	360.8	360.8	360.8
127.5°	387.5	387.2	386.8	386.4
130°	414.7	414.4	414.0	413.6
132.5°	442.2	442.0	441.7	441.5
135°	467.6	466.9	466.1	465.3
137.5°	493.2	492.9	492.5	492.1
140°	519.5	519.3	519.0	518.8
142.5°	543.9	543.7	543.4	543.2
145°	566.8	566.3	565.8	565.3
147.5°	590.0	589.3	588.7	588.1
150°	610.0	609.5	609.0	608.5
152.5°	628.6	628.3	628.1	627.8
155°	647.7	647.7	647.7	647.7
157.5°	664.0	664.3	664.5	664.8
160°	679.2	679.3	679.5	679.6
162.5°	692.1	692.4	692.8	693.2
165°	704.0	704.3	704.7	705.1
167.5°	713.3	713.8	714.3	714.8
170°	720.8	721.5	722.1	722.7
172.5°	726.9	727.4	727.9	728.4
175°	731.6	732.3	732.9	733.5
177.5°	733.9	734.6	735.2	735.8
180°	734.7	734.7	734.7	734.7

(END OF REPORT)