

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: P1001560

Luminaire Tested: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001560
REPORT IS A COMBINATION OF REPORTS P996182 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D365UB40-4F0-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

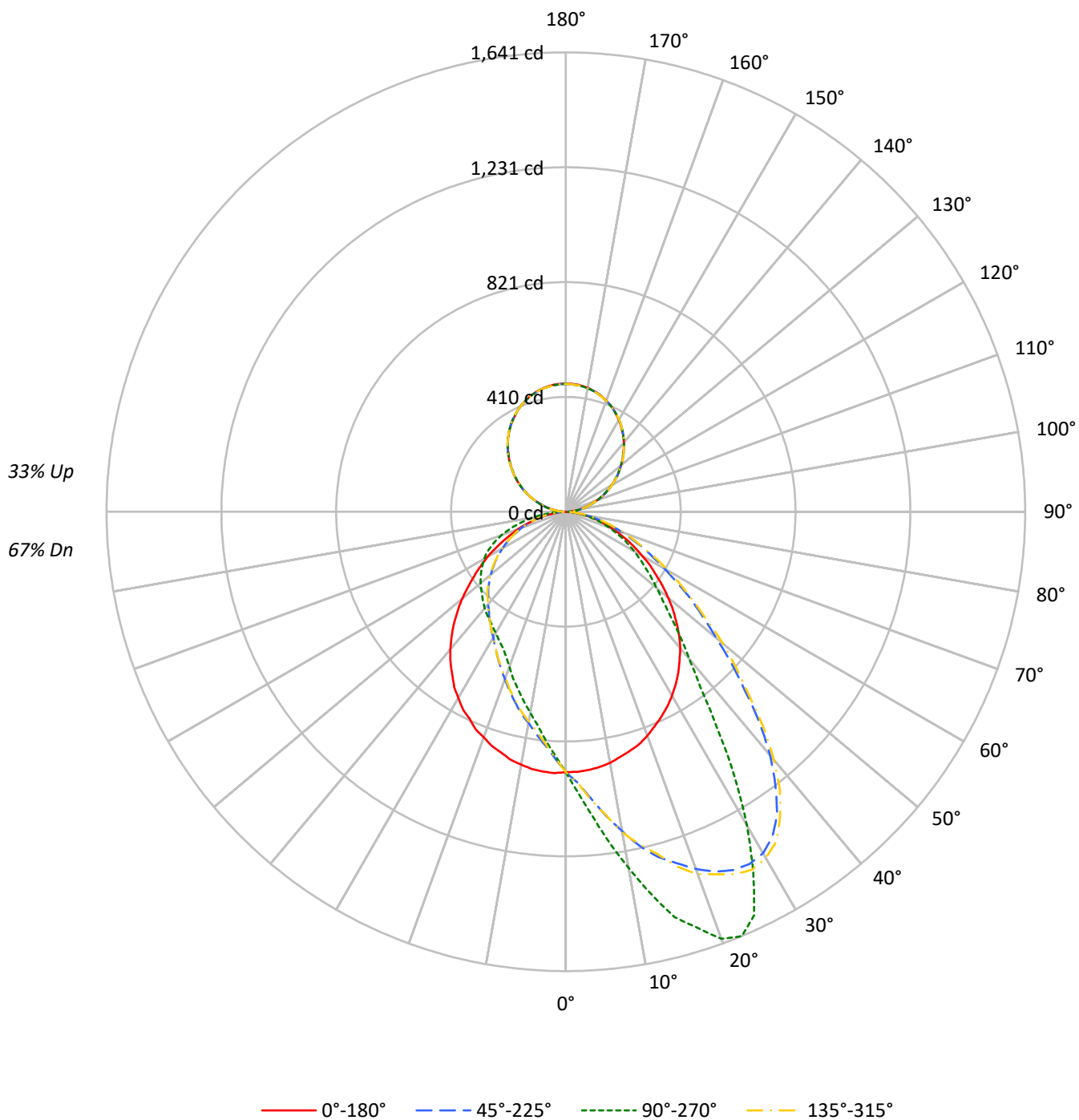
Lumens per Lamp: N/A
Luminaire Lumens: 3835.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 33.3
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	64	64	64	67
1	102	98	94	90	96	92	89	86	82	79	77	72	71	69	64	62	61	57	54	52	57
2	93	86	79	74	87	81	75	71	72	68	64	64	61	58	57	54	52	48	45	44	48
3	85	76	68	62	80	72	65	60	64	59	54	57	53	49	50	47	45	41	38	36	41
4	78	67	59	53	73	64	56	51	57	51	47	51	46	43	45	42	39	36	34	31	36
5	72	60	52	46	67	57	50	44	51	45	41	46	41	37	41	37	34	31	28	26	31
6	66	54	46	40	62	51	44	38	46	40	36	42	37	33	37	33	30	27	24	22	27
7	61	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	24	21	19	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	21	18	16	22
9	53	41	33	28	50	39	32	27	35	30	25	32	27	24	29	25	22	19	16	14	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	21	27	23	20	17	14	12	18

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	2.4
10°-20°	279.3	7.3
20°-30°	443.8	11.6
30°-40°	493.1	12.9
40°-50°	448.4	11.7
50°-60°	366.4	9.6
60°-70°	261.6	6.8
70°-80°	143.9	3.8
80°-90°	39.9	1.0
90°-100°	29.8	0.8
100°-110°	89.2	2.3
110°-120°	151.6	4.0
120°-130°	199.9	5.2
130°-140°	224.5	5.9
140°-150°	220.7	5.8
150°-160°	185.6	4.8
160°-170°	123.5	3.2
170°-180°	43.2	1.1
0°-30°	813.6	21.2
0°-40°	1306.7	34.1
0°-60°	2121.6	55.3
0°-90°	2567.0	66.9
90°-120°	270.6	7.1
90°-150°	915.7	23.9
90°-180°	1268.0	33.1
0°-180°	3835.0	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°	1	11	1	11	1	3
95°	21	28	21	28	21	23
105°	82	86	82	86	82	87
115°	154	153	154	153	154	152
125°	224	223	224	223	224	200
135°	290	290	290	290	290	224
145°	352	352	352	352	352	220
155°	403	403	403	403	403	185
165°	439	438	439	438	439	124
175°	456	454	456	454	456	43
180°	457	457	457	457	457	

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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°	1.1	1.9	2.8	3.6	4.5	4.9	5.2	5.9	6.5	7.2	7.8
92.5°	9.2	10.2	11.2	12.3	13.3	13.8	14.0	14.4	14.8	15.2	15.6
95°	21.2	21.9	22.6	23.3	24.0	24.4	24.7	25.2	25.8	26.3	26.9
97.5°	33.9	34.5	35.2	35.8	36.5	36.8	37.1	37.7	38.4	39.0	39.6
100°	49.5	49.8	50.1	50.4	50.7	50.9	51.3	52.0	52.7	53.4	54.1
102.5°	65.7	65.8	65.9	66.0	66.1	66.1	66.4	67.0	67.7	68.3	68.9
105°	82.4	82.5	82.5	82.6	82.7	82.7	82.9	83.2	83.5	83.8	84.1
107.5°	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.1	100.2	100.3	100.4
110°	117.3	117.5	117.7	117.8	118.0	118.1	118.1	118.0	117.9	117.8	117.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	135.7	135.7	135.7	135.7	135.7	135.7	135.6	135.5	135.3	135.2	135.0
115°	154.1	154.1	154.1	154.1	154.1	154.1	154.0	153.9	153.7	153.6	153.4
117.5°	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.3	171.2	171.2	171.1
120°	188.7	189.0	189.4	189.7	190.0	190.2	190.1	189.8	189.6	189.3	189.1
122.5°	206.8	206.9	206.9	207.0	207.1	207.1	207.1	207.0	206.9	206.9	206.8
125°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.3	224.2	224.2	224.1
127.5°	240.3	240.5	240.8	241.0	241.3	241.4	241.3	241.2	241.0	240.9	240.7
130°	257.3	257.5	257.8	258.0	258.3	258.4	258.4	258.4	258.4	258.4	258.4
132.5°	274.6	274.8	274.9	275.1	275.2	275.3	275.3	275.2	275.1	275.1	275.0
135°	289.5	290.0	290.4	290.9	291.4	291.6	291.6	291.6	291.6	291.6	291.6
137.5°	306.1	306.3	306.5	306.8	307.0	307.1	307.2	307.4	307.5	307.7	307.9
140°	322.7	322.9	323.0	323.2	323.3	323.4	323.4	323.4	323.4	323.4	323.4
142.5°	337.9	338.1	338.2	338.4	338.5	338.6	338.6	338.5	338.4	338.3	338.2
145°	351.7	352.0	352.3	352.6	352.9	353.1	353.1	353.2	353.3	353.3	353.4
147.5°	365.8	366.2	366.6	367.0	367.4	367.6	367.6	367.5	367.4	367.3	367.2
150°	378.5	378.8	379.2	379.5	379.8	380.0	380.0	380.0	380.0	380.0	380.0
152.5°	390.6	390.8	390.9	391.1	391.2	391.3	391.3	391.4	391.5	391.5	391.6
155°	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.8	402.7	402.7	402.6
157.5°	413.5	413.3	413.2	413.0	412.9	412.8	412.8	412.8	412.8	412.8	412.8
160°	422.7	422.6	422.6	422.5	422.4	422.4	422.4	422.3	422.2	422.1	422.0
162.5°	431.2	431.0	430.7	430.5	430.2	430.1	430.1	430.0	429.9	429.9	429.8
165°	438.6	438.4	438.2	437.9	437.7	437.6	437.5	437.4	437.2	437.1	436.9
167.5°	444.6	444.3	444.0	443.7	443.4	443.2	443.2	443.2	443.2	443.2	443.2
170°	449.6	449.2	448.8	448.4	448.0	447.8	447.8	447.9	448.0	448.1	448.2
172.5°	453.1	452.8	452.5	452.2	451.9	451.7	451.7	451.7	451.7	451.7	451.7
175°	456.3	455.9	455.5	455.1	454.7	454.5	454.5	454.4	454.3	454.3	454.2
177.5°	457.7	457.3	456.9	456.5	456.1	455.9	455.9	455.9	455.9	455.9	455.9
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

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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°	8.3	8.7	9.2	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	15.8	16.0	16.3	16.5	16.6	16.6	16.7	16.8	16.9	17.0	16.9
95°	27.1	27.3	27.6	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9
97.5°	39.9	40.2	40.5	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0
100°	54.3	54.4	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
102.5°	69.1	69.4	69.6	69.9	70.0	70.0	70.1	70.2	70.2	70.3	70.2
105°	84.3	84.6	84.8	85.1	85.2	85.3	85.5	85.8	86.0	86.2	86.0
107.5°	100.7	101.0	101.3	101.6	101.8	101.8	101.7	101.6	101.5	101.4	101.5
110°	117.5	117.4	117.2	117.1	117.0	117.1	117.4	117.6	117.9	118.1	117.9

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
115°	153.3	153.2	153.1	153.0	153.0	153.0	152.9	152.8	152.8	152.7	152.8
117.5°	170.9	170.6	170.4	170.1	170.0	169.9	169.6	169.4	169.1	168.9	169.1
120°	188.7	188.3	187.9	187.5	187.3	187.4	187.5	187.7	187.8	188.0	187.8
122.5°	206.6	206.3	206.1	205.8	205.7	205.5	205.1	204.7	204.3	203.9	204.3
125°	223.9	223.8	223.6	223.5	223.4	223.3	223.2	223.0	222.9	222.7	222.9
127.5°	240.5	240.4	240.2	240.1	240.0	240.0	239.9	239.8	239.7	239.6	239.7
130°	258.2	258.1	257.9	257.8	257.7	257.5	257.2	256.9	256.5	256.2	256.5
132.5°	274.8	274.7	274.5	274.4	274.3	274.3	274.2	274.1	274.0	273.9	274.0
135°	291.4	291.3	291.1	291.0	290.9	290.8	290.5	290.3	290.0	289.8	290.0
137.5°	307.7	307.4	307.2	306.9	306.8	306.8	306.9	307.0	307.0	307.1	307.0
140°	323.3	323.2	323.1	323.0	323.0	323.0	322.9	322.8	322.8	322.7	322.8
142.5°	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2
145°	353.3	353.3	353.2	353.1	353.1	353.0	352.7	352.5	352.2	352.0	352.2
147.5°	367.1	367.1	367.0	366.9	366.9	366.9	366.8	366.7	366.6	366.5	366.6
150°	380.0	380.0	380.0	380.0	380.0	380.0	379.9	379.8	379.7	379.6	379.7
152.5°	391.8	392.1	392.3	392.6	392.7	392.6	392.3	392.1	391.8	391.6	391.8
155°	402.9	403.2	403.5	403.8	404.0	403.8	403.5	403.2	402.9	402.6	402.9
157.5°	413.0	413.3	413.5	413.8	413.9	413.8	413.5	413.3	413.0	412.8	413.0
160°	422.2	422.5	422.7	423.0	423.1	422.9	422.5	422.1	421.7	421.3	421.7
162.5°	430.3	430.7	431.2	431.7	431.9	431.7	431.3	430.9	430.5	430.1	430.5
165°	437.4	437.8	438.3	438.8	439.0	438.8	438.5	438.2	437.9	437.6	437.9
167.5°	443.7	444.1	444.6	445.1	445.3	445.1	444.6	444.1	443.7	443.2	443.7
170°	448.7	449.1	449.6	450.1	450.3	450.0	449.5	448.9	448.4	447.8	448.4
172.5°	452.3	452.8	453.4	453.9	454.2	453.9	453.4	452.8	452.3	451.7	452.3
175°	454.8	455.3	455.9	456.4	456.7	456.4	455.9	455.3	454.8	454.2	454.8
177.5°	456.5	457.0	457.6	458.1	458.4	458.1	457.5	456.8	456.2	455.6	456.2
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-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°	10.3	10.1	10.0	9.9	9.7	9.2	8.7	8.3	7.8	7.2	6.5
92.5°	16.8	16.7	16.6	16.6	16.5	16.3	16.0	15.8	15.6	15.2	14.8
95°	27.9	27.9	27.9	27.9	27.8	27.6	27.3	27.1	26.9	26.3	25.8
97.5°	41.0	41.0	41.0	41.0	40.8	40.5	40.2	39.9	39.6	39.0	38.4
100°	54.8	54.8	54.8	54.8	54.7	54.6	54.4	54.3	54.1	53.4	52.7
102.5°	70.2	70.1	70.0	70.0	69.9	69.6	69.4	69.1	68.9	68.3	67.7
105°	85.8	85.5	85.3	85.2	85.1	84.8	84.6	84.3	84.1	83.8	83.5
107.5°	101.6	101.7	101.8	101.8	101.6	101.3	101.0	100.7	100.4	100.3	100.2
110°	117.6	117.4	117.1	117.0	117.1	117.2	117.4	117.5	117.7	117.8	117.9

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.2	135.3
115°	152.8	152.9	153.0	153.0	153.0	153.1	153.2	153.3	153.4	153.6	153.7
117.5°	169.4	169.6	169.9	170.0	170.1	170.4	170.6	170.9	171.1	171.2	171.2
120°	187.7	187.5	187.4	187.3	187.5	187.9	188.3	188.7	189.1	189.3	189.6
122.5°	204.7	205.1	205.5	205.7	205.8	206.1	206.3	206.6	206.8	206.9	206.9
125°	223.0	223.2	223.3	223.4	223.5	223.6	223.8	223.9	224.1	224.2	224.2
127.5°	239.8	239.9	240.0	240.0	240.1	240.2	240.4	240.5	240.7	240.9	241.0
130°	256.9	257.2	257.5	257.7	257.8	257.9	258.1	258.2	258.4	258.4	258.4
132.5°	274.1	274.2	274.3	274.3	274.4	274.5	274.7	274.8	275.0	275.1	275.1
135°	290.3	290.5	290.8	290.9	291.0	291.1	291.3	291.4	291.6	291.6	291.6
137.5°	307.0	306.9	306.8	306.8	306.9	307.2	307.4	307.7	307.9	307.7	307.5
140°	322.8	322.9	323.0	323.0	323.0	323.1	323.2	323.3	323.4	323.4	323.4
142.5°	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.3	338.4
145°	352.5	352.7	353.0	353.1	353.1	353.2	353.3	353.3	353.4	353.3	353.3
147.5°	366.7	366.8	366.9	366.9	366.9	367.0	367.1	367.1	367.2	367.3	367.4
150°	379.8	379.9	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0
152.5°	392.1	392.3	392.6	392.7	392.6	392.3	392.1	391.8	391.6	391.5	391.5
155°	403.2	403.5	403.8	404.0	403.8	403.5	403.2	402.9	402.6	402.7	402.7
157.5°	413.3	413.5	413.8	413.9	413.8	413.5	413.3	413.0	412.8	412.8	412.8
160°	422.1	422.5	422.9	423.1	423.0	422.7	422.5	422.2	422.0	422.1	422.2
162.5°	430.9	431.3	431.7	431.9	431.7	431.2	430.7	430.3	429.8	429.9	429.9
165°	438.2	438.5	438.8	439.0	438.8	438.3	437.8	437.4	436.9	437.1	437.2
167.5°	444.1	444.6	445.1	445.3	445.1	444.6	444.1	443.7	443.2	443.2	443.2
170°	448.9	449.5	450.0	450.3	450.1	449.6	449.1	448.7	448.2	448.1	448.0
172.5°	452.8	453.4	453.9	454.2	453.9	453.4	452.8	452.3	451.7	451.7	451.7
175°	455.3	455.9	456.4	456.7	456.4	455.9	455.3	454.8	454.2	454.3	454.3
177.5°	456.8	457.5	458.1	458.4	458.1	457.6	457.0	456.5	455.9	455.9	455.9
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-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°	5.9	5.2	4.9	4.5	3.6	2.8	1.9	1.1	1.9	2.8	3.6
92.5°	14.4	14.0	13.8	13.3	12.3	11.2	10.2	9.2	10.2	11.2	12.3
95°	25.2	24.7	24.4	24.0	23.3	22.6	21.9	21.2	21.9	22.6	23.3
97.5°	37.7	37.1	36.8	36.5	35.8	35.2	34.5	33.9	34.5	35.2	35.8
100°	52.0	51.3	50.9	50.7	50.4	50.1	49.8	49.5	49.8	50.1	50.4
102.5°	67.0	66.4	66.1	66.1	66.0	65.9	65.8	65.7	65.8	65.9	66.0
105°	83.2	82.9	82.7	82.7	82.6	82.5	82.5	82.4	82.5	82.5	82.6
107.5°	100.1	100.0	100.0	100.0	99.9	99.8	99.8	99.7	99.8	99.8	99.9
110°	118.0	118.1	118.1	118.0	117.8	117.7	117.5	117.3	117.5	117.7	117.8

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	135.5	135.6	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
115°	153.9	154.0	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1
117.5°	171.3	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
120°	189.8	190.1	190.2	190.0	189.7	189.4	189.0	188.7	189.0	189.4	189.7
122.5°	207.0	207.1	207.1	207.1	207.0	206.9	206.9	206.8	206.9	206.9	207.0
125°	224.3	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
127.5°	241.2	241.3	241.4	241.3	241.0	240.8	240.5	240.3	240.5	240.8	241.0
130°	258.4	258.4	258.4	258.3	258.0	257.8	257.5	257.3	257.5	257.8	258.0
132.5°	275.2	275.3	275.3	275.2	275.1	274.9	274.8	274.6	274.8	274.9	275.1
135°	291.6	291.6	291.6	291.4	290.9	290.4	290.0	289.5	290.0	290.4	290.9
137.5°	307.4	307.2	307.1	307.0	306.8	306.5	306.3	306.1	306.3	306.5	306.8
140°	323.4	323.4	323.4	323.3	323.2	323.0	322.9	322.7	322.9	323.0	323.2
142.5°	338.5	338.6	338.6	338.5	338.4	338.2	338.1	337.9	338.1	338.2	338.4
145°	353.2	353.1	353.1	352.9	352.6	352.3	352.0	351.7	352.0	352.3	352.6
147.5°	367.5	367.6	367.6	367.4	367.0	366.6	366.2	365.8	366.2	366.6	367.0
150°	380.0	380.0	380.0	379.8	379.5	379.2	378.8	378.5	378.8	379.2	379.5
152.5°	391.4	391.3	391.3	391.2	391.1	390.9	390.8	390.6	390.8	390.9	391.1
155°	402.8	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9	402.9
157.5°	412.8	412.8	412.8	412.9	413.0	413.2	413.3	413.5	413.3	413.2	413.0
160°	422.3	422.4	422.4	422.4	422.5	422.6	422.6	422.7	422.6	422.6	422.5
162.5°	430.0	430.1	430.1	430.2	430.5	430.7	431.0	431.2	431.0	430.7	430.5
165°	437.4	437.5	437.6	437.7	437.9	438.2	438.4	438.6	438.4	438.2	437.9
167.5°	443.2	443.2	443.2	443.4	443.7	444.0	444.3	444.6	444.3	444.0	443.7
170°	447.9	447.8	447.8	448.0	448.4	448.8	449.2	449.6	449.2	448.8	448.4
172.5°	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1	452.8	452.5	452.2
175°	454.4	454.5	454.5	454.7	455.1	455.5	455.9	456.3	455.9	455.5	455.1
177.5°	455.9	455.9	455.9	456.1	456.5	456.9	457.3	457.7	457.3	456.9	456.5
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-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°	4.5	4.9	5.2	5.9	6.5	7.2	7.8	8.3	8.7	9.2	9.7
92.5°	13.3	13.8	14.0	14.4	14.8	15.2	15.6	15.8	16.0	16.3	16.5
95°	24.0	24.4	24.7	25.2	25.8	26.3	26.9	27.1	27.3	27.6	27.8
97.5°	36.5	36.8	37.1	37.7	38.4	39.0	39.6	39.9	40.2	40.5	40.8
100°	50.7	50.9	51.3	52.0	52.7	53.4	54.1	54.3	54.4	54.6	54.7
102.5°	66.1	66.1	66.4	67.0	67.7	68.3	68.9	69.1	69.4	69.6	69.9
105°	82.7	82.7	82.9	83.2	83.5	83.8	84.1	84.3	84.6	84.8	85.1
107.5°	100.0	100.0	100.0	100.1	100.2	100.3	100.4	100.7	101.0	101.3	101.6
110°	118.0	118.1	118.1	118.0	117.9	117.8	117.7	117.5	117.4	117.2	117.1

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	135.7	135.7	135.6	135.5	135.3	135.2	135.0	135.0	135.0	135.0	135.0
115°	154.1	154.1	154.0	153.9	153.7	153.6	153.4	153.3	153.2	153.1	153.0
117.5°	171.4	171.4	171.4	171.3	171.2	171.2	171.1	170.9	170.6	170.4	170.1
120°	190.0	190.2	190.1	189.8	189.6	189.3	189.1	188.7	188.3	187.9	187.5
122.5°	207.1	207.1	207.1	207.0	206.9	206.9	206.8	206.6	206.3	206.1	205.8
125°	224.4	224.4	224.4	224.3	224.2	224.2	224.1	223.9	223.8	223.6	223.5
127.5°	241.3	241.4	241.3	241.2	241.0	240.9	240.7	240.5	240.4	240.2	240.1
130°	258.3	258.4	258.4	258.4	258.4	258.4	258.4	258.2	258.1	257.9	257.8
132.5°	275.2	275.3	275.3	275.2	275.1	275.1	275.0	274.8	274.7	274.5	274.4
135°	291.4	291.6	291.6	291.6	291.6	291.6	291.6	291.4	291.3	291.1	291.0
137.5°	307.0	307.1	307.2	307.4	307.5	307.7	307.9	307.7	307.4	307.2	306.9
140°	323.3	323.4	323.4	323.4	323.4	323.4	323.4	323.3	323.2	323.1	323.0
142.5°	338.5	338.6	338.6	338.5	338.4	338.3	338.2	338.2	338.2	338.2	338.2
145°	352.9	353.1	353.1	353.2	353.3	353.3	353.4	353.3	353.3	353.2	353.1
147.5°	367.4	367.6	367.6	367.5	367.4	367.3	367.2	367.1	367.1	367.0	366.9
150°	379.8	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0
152.5°	391.2	391.3	391.3	391.4	391.5	391.5	391.6	391.8	392.1	392.3	392.6
155°	402.9	402.9	402.9	402.8	402.7	402.7	402.6	402.9	403.2	403.5	403.8
157.5°	412.9	412.8	412.8	412.8	412.8	412.8	412.8	413.0	413.3	413.5	413.8
160°	422.4	422.4	422.4	422.3	422.2	422.1	422.0	422.2	422.5	422.7	423.0
162.5°	430.2	430.1	430.1	430.0	429.9	429.9	429.8	430.3	430.7	431.2	431.7
165°	437.7	437.6	437.5	437.4	437.2	437.1	436.9	437.4	437.8	438.3	438.8
167.5°	443.4	443.2	443.2	443.2	443.2	443.2	443.2	443.7	444.1	444.6	445.1
170°	448.0	447.8	447.8	447.9	448.0	448.1	448.2	448.7	449.1	449.6	450.1
172.5°	451.9	451.7	451.7	451.7	451.7	451.7	451.7	452.3	452.8	453.4	453.9
175°	454.7	454.5	454.5	454.4	454.3	454.3	454.2	454.8	455.3	455.9	456.4
177.5°	456.1	455.9	455.9	455.9	455.9	455.9	455.9	456.5	457.0	457.6	458.1
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-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°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	16.6	16.6	16.7	16.8	16.9	17.0	16.9	16.8	16.7	16.6	16.6
95°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
97.5°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
100°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
102.5°	70.0	70.0	70.1	70.2	70.2	70.3	70.2	70.2	70.1	70.0	70.0
105°	85.2	85.3	85.5	85.8	86.0	86.2	86.0	85.8	85.5	85.3	85.2
107.5°	101.8	101.8	101.7	101.6	101.5	101.4	101.5	101.6	101.7	101.8	101.8
110°	117.0	117.1	117.4	117.6	117.9	118.1	117.9	117.6	117.4	117.1	117.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
115°	153.0	153.0	152.9	152.8	152.8	152.7	152.8	152.8	152.9	153.0	153.0
117.5°	170.0	169.9	169.6	169.4	169.1	168.9	169.1	169.4	169.6	169.9	170.0
120°	187.3	187.4	187.5	187.7	187.8	188.0	187.8	187.7	187.5	187.4	187.3
122.5°	205.7	205.5	205.1	204.7	204.3	203.9	204.3	204.7	205.1	205.5	205.7
125°	223.4	223.3	223.2	223.0	222.9	222.7	222.9	223.0	223.2	223.3	223.4
127.5°	240.0	240.0	239.9	239.8	239.7	239.6	239.7	239.8	239.9	240.0	240.0
130°	257.7	257.5	257.2	256.9	256.5	256.2	256.5	256.9	257.2	257.5	257.7
132.5°	274.3	274.3	274.2	274.1	274.0	273.9	274.0	274.1	274.2	274.3	274.3
135°	290.9	290.8	290.5	290.3	290.0	289.8	290.0	290.3	290.5	290.8	290.9
137.5°	306.8	306.8	306.9	307.0	307.0	307.1	307.0	307.0	306.9	306.8	306.8
140°	323.0	323.0	322.9	322.8	322.8	322.7	322.8	322.8	322.9	323.0	323.0
142.5°	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2	338.2
145°	353.1	353.0	352.7	352.5	352.2	352.0	352.2	352.5	352.7	353.0	353.1
147.5°	366.9	366.9	366.8	366.7	366.6	366.5	366.6	366.7	366.8	366.9	366.9
150°	380.0	380.0	379.9	379.8	379.7	379.6	379.7	379.8	379.9	380.0	380.0
152.5°	392.7	392.6	392.3	392.1	391.8	391.6	391.8	392.1	392.3	392.6	392.7
155°	404.0	403.8	403.5	403.2	402.9	402.6	402.9	403.2	403.5	403.8	404.0
157.5°	413.9	413.8	413.5	413.3	413.0	412.8	413.0	413.3	413.5	413.8	413.9
160°	423.1	422.9	422.5	422.1	421.7	421.3	421.7	422.1	422.5	422.9	423.1
162.5°	431.9	431.7	431.3	430.9	430.5	430.1	430.5	430.9	431.3	431.7	431.9
165°	439.0	438.8	438.5	438.2	437.9	437.6	437.9	438.2	438.5	438.8	439.0
167.5°	445.3	445.1	444.6	444.1	443.7	443.2	443.7	444.1	444.6	445.1	445.3
170°	450.3	450.0	449.5	448.9	448.4	447.8	448.4	448.9	449.5	450.0	450.3
172.5°	454.2	453.9	453.4	452.8	452.3	451.7	452.3	452.8	453.4	453.9	454.2
175°	456.7	456.4	455.9	455.3	454.8	454.2	454.8	455.3	455.9	456.4	456.7
177.5°	458.4	458.1	457.5	456.8	456.2	455.6	456.2	456.8	457.5	458.1	458.4
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-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°	9.7	9.2	8.7	8.3	7.8	7.2	6.5	5.9	5.2	4.9	4.5
92.5°	16.5	16.3	16.0	15.8	15.6	15.2	14.8	14.4	14.0	13.8	13.3
95°	27.8	27.6	27.3	27.1	26.9	26.3	25.8	25.2	24.7	24.4	24.0
97.5°	40.8	40.5	40.2	39.9	39.6	39.0	38.4	37.7	37.1	36.8	36.5
100°	54.7	54.6	54.4	54.3	54.1	53.4	52.7	52.0	51.3	50.9	50.7
102.5°	69.9	69.6	69.4	69.1	68.9	68.3	67.7	67.0	66.4	66.1	66.1
105°	85.1	84.8	84.6	84.3	84.1	83.8	83.5	83.2	82.9	82.7	82.7
107.5°	101.6	101.3	101.0	100.7	100.4	100.3	100.2	100.1	100.0	100.0	100.0
110°	117.1	117.2	117.4	117.5	117.7	117.8	117.9	118.0	118.1	118.1	118.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	135.0	135.0	135.0	135.0	135.0	135.2	135.3	135.5	135.6	135.7	135.7
115°	153.0	153.1	153.2	153.3	153.4	153.6	153.7	153.9	154.0	154.1	154.1
117.5°	170.1	170.4	170.6	170.9	171.1	171.2	171.2	171.3	171.4	171.4	171.4
120°	187.5	187.9	188.3	188.7	189.1	189.3	189.6	189.8	190.1	190.2	190.0
122.5°	205.8	206.1	206.3	206.6	206.8	206.9	206.9	207.0	207.1	207.1	207.1
125°	223.5	223.6	223.8	223.9	224.1	224.2	224.2	224.3	224.4	224.4	224.4
127.5°	240.1	240.2	240.4	240.5	240.7	240.9	241.0	241.2	241.3	241.4	241.3
130°	257.8	257.9	258.1	258.2	258.4	258.4	258.4	258.4	258.4	258.4	258.3
132.5°	274.4	274.5	274.7	274.8	275.0	275.1	275.1	275.2	275.3	275.3	275.2
135°	291.0	291.1	291.3	291.4	291.6	291.6	291.6	291.6	291.6	291.6	291.4
137.5°	306.9	307.2	307.4	307.7	307.9	307.7	307.5	307.4	307.2	307.1	307.0
140°	323.0	323.1	323.2	323.3	323.4	323.4	323.4	323.4	323.4	323.4	323.3
142.5°	338.2	338.2	338.2	338.2	338.2	338.3	338.4	338.5	338.6	338.6	338.5
145°	353.1	353.2	353.3	353.3	353.4	353.3	353.3	353.2	353.1	353.1	352.9
147.5°	366.9	367.0	367.1	367.1	367.2	367.3	367.4	367.5	367.6	367.6	367.4
150°	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	379.8
152.5°	392.6	392.3	392.1	391.8	391.6	391.5	391.5	391.4	391.3	391.3	391.2
155°	403.8	403.5	403.2	402.9	402.6	402.7	402.7	402.8	402.9	402.9	402.9
157.5°	413.8	413.5	413.3	413.0	412.8	412.8	412.8	412.8	412.8	412.8	412.9
160°	423.0	422.7	422.5	422.2	422.0	422.1	422.2	422.3	422.4	422.4	422.4
162.5°	431.7	431.2	430.7	430.3	429.8	429.9	429.9	430.0	430.1	430.1	430.2
165°	438.8	438.3	437.8	437.4	436.9	437.1	437.2	437.4	437.5	437.6	437.7
167.5°	445.1	444.6	444.1	443.7	443.2	443.2	443.2	443.2	443.2	443.2	443.4
170°	450.1	449.6	449.1	448.7	448.2	448.1	448.0	447.9	447.8	447.8	448.0
172.5°	453.9	453.4	452.8	452.3	451.7	451.7	451.7	451.7	451.7	451.7	451.9
175°	456.4	455.9	455.3	454.8	454.2	454.3	454.3	454.4	454.5	454.5	454.7
177.5°	458.1	457.6	457.0	456.5	455.9	455.9	455.9	455.9	455.9	455.9	456.1
180°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0

TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-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°	3.6	2.8	1.9	1.1
92.5°	12.3	11.2	10.2	9.2
95°	23.3	22.6	21.9	21.2
97.5°	35.8	35.2	34.5	33.9
100°	50.4	50.1	49.8	49.5
102.5°	66.0	65.9	65.8	65.7
105°	82.6	82.5	82.5	82.4
107.5°	99.9	99.8	99.8	99.7
110°	117.8	117.7	117.5	117.3



TEST NUMBER: P1001560

CATALOG NUMBER: SA4XXDIP-B575D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	135.7	135.7	135.7	135.7
115°	154.1	154.1	154.1	154.1
117.5°	171.4	171.4	171.4	171.4
120°	189.7	189.4	189.0	188.7
122.5°	207.0	206.9	206.9	206.8
125°	224.4	224.4	224.4	224.4
127.5°	241.0	240.8	240.5	240.3
130°	258.0	257.8	257.5	257.3
132.5°	275.1	274.9	274.8	274.6
135°	290.9	290.4	290.0	289.5
137.5°	306.8	306.5	306.3	306.1
140°	323.2	323.0	322.9	322.7
142.5°	338.4	338.2	338.1	337.9
145°	352.6	352.3	352.0	351.7
147.5°	367.0	366.6	366.2	365.8
150°	379.5	379.2	378.8	378.5
152.5°	391.1	390.9	390.8	390.6
155°	402.9	402.9	402.9	402.9
157.5°	413.0	413.2	413.3	413.5
160°	422.5	422.6	422.6	422.7
162.5°	430.5	430.7	431.0	431.2
165°	437.9	438.2	438.4	438.6
167.5°	443.7	444.0	444.3	444.6
170°	448.4	448.8	449.2	449.6
172.5°	452.2	452.5	452.8	453.1
175°	455.1	455.5	455.9	456.3
177.5°	456.5	456.9	457.3	457.7
180°	457.0	457.0	457.0	457.0

(END OF REPORT)