

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: P1001680

Luminaire Tested: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001680
REPORT IS A COMBINATION OF REPORTS P996302 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D810UB40-4F0-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

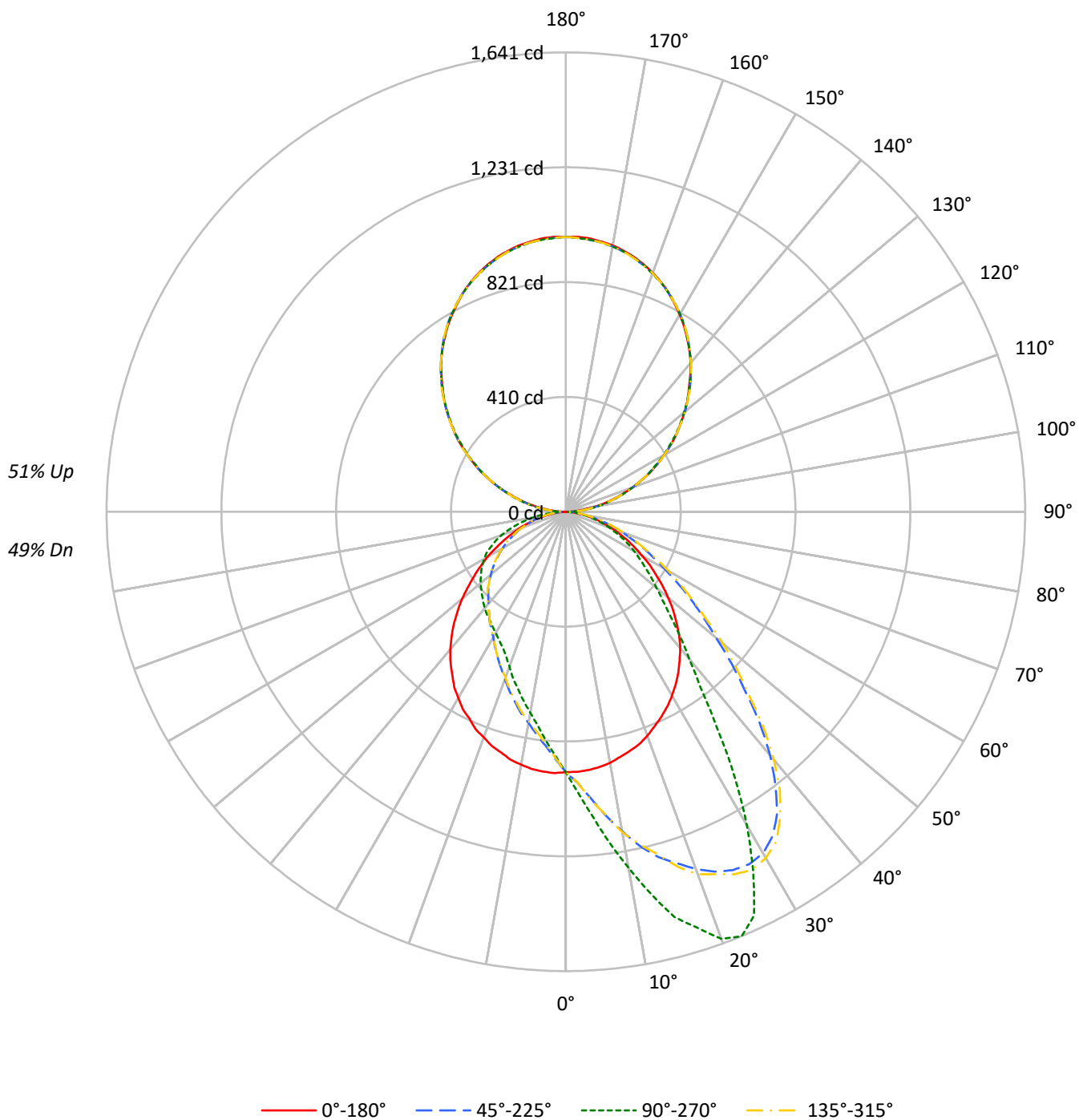
Lumens per Lamp: N/A
Luminaire Lumens: 5292.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26
6	63	51	43	38	58	48	41	35	41	35	31	34	30	27	28	25	23
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	16
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15

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	1.7
10°-20°	279.3	5.3
20°-30°	443.8	8.4
30°-40°	493.1	9.3
40°-50°	448.4	8.5
50°-60°	366.4	6.9
60°-70°	261.6	4.9
70°-80°	143.9	2.7
80°-90°	41.0	0.8
90°-100°	64.0	1.2
100°-110°	191.7	3.6
110°-120°	325.6	6.2
120°-130°	429.4	8.1
130°-140°	482.3	9.1
140°-150°	474.0	9.0
150°-160°	398.7	7.5
160°-170°	265.3	5.0
170°-180°	92.9	1.8
0°-30°	813.6	15.4
0°-40°	1306.7	24.7
0°-60°	2121.6	40.1
0°-90°	2568.1	48.5
90°-120°	581.3	11.0
90°-150°	1967.0	37.2
90°-180°	2724.0	51.5
0°-180°	5292.0	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	23	2	23	2	5
95°	46	60	46	60	46	49
105°	177	185	177	185	177	188
115°	331	328	331	328	331	326
125°	482	478	482	478	482	430
135°	622	623	622	623	622	481
145°	756	756	756	756	756	473
155°	866	865	866	865	866	398
165°	942	940	942	940	942	266
175°	980	976	980	976	980	93
180°	982	982	982	982	982	

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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°	2.3	4.1	6.0	7.8	9.7	10.6	11.3	12.6	14.0	15.3	16.7
92.5°	19.7	21.9	24.1	26.3	28.5	29.6	30.0	30.9	31.7	32.6	33.4
95°	45.6	47.1	48.6	50.1	51.6	52.4	53.0	54.2	55.3	56.5	57.7
97.5°	72.9	74.3	75.6	77.0	78.3	79.0	79.7	81.0	82.3	83.7	85.0
100°	106.3	107.0	107.6	108.3	109.0	109.3	110.1	111.6	113.1	114.7	116.2
102.5°	141.2	141.4	141.6	141.7	141.9	142.0	142.7	144.0	145.4	146.7	148.1
105°	176.9	177.1	177.3	177.4	177.6	177.7	178.0	178.7	179.4	180.0	180.7
107.5°	214.1	214.3	214.5	214.6	214.8	214.9	215.0	215.1	215.3	215.4	215.6
110°	252.1	252.4	252.8	253.1	253.4	253.6	253.5	253.3	253.2	253.0	252.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	291.6	291.6	291.6	291.6	291.6	291.6	291.4	291.1	290.7	290.4	290.0
115°	331.0	331.0	331.0	331.0	331.0	331.0	330.8	330.5	330.2	329.8	329.5
117.5°	368.2	368.2	368.2	368.2	368.2	368.2	368.1	368.0	367.8	367.7	367.5
120°	405.4	406.1	406.8	407.5	408.2	408.5	408.2	407.7	407.2	406.7	406.2
122.5°	444.2	444.4	444.5	444.7	444.8	444.9	444.8	444.7	444.5	444.4	444.2
125°	482.1	482.1	482.1	482.1	482.1	482.1	482.0	481.9	481.7	481.6	481.4
127.5°	516.3	516.8	517.3	517.8	518.3	518.6	518.4	518.1	517.8	517.4	517.1
130°	552.7	553.2	553.7	554.2	554.7	555.0	555.0	555.0	555.0	555.0	555.0
132.5°	589.9	590.3	590.6	591.0	591.3	591.5	591.4	591.2	591.1	590.9	590.7
135°	621.8	622.8	623.8	624.9	625.9	626.4	626.4	626.4	626.4	626.4	626.4
137.5°	657.5	658.0	658.5	659.0	659.5	659.8	660.0	660.3	660.6	661.0	661.3
140°	693.2	693.5	693.9	694.2	694.5	694.7	694.7	694.7	694.7	694.7	694.7
142.5°	725.8	726.2	726.5	726.9	727.2	727.4	727.3	727.1	727.0	726.8	726.6
145°	755.5	756.2	756.8	757.5	758.2	758.5	758.6	758.8	758.9	759.1	759.3
147.5°	785.8	786.6	787.5	788.3	789.2	789.6	789.5	789.4	789.2	789.1	788.9
150°	813.2	813.9	814.5	815.2	815.9	816.2	816.2	816.2	816.2	816.2	816.2
152.5°	839.0	839.3	839.7	840.0	840.3	840.5	840.6	840.8	840.9	841.1	841.3
155°	865.6	865.6	865.6	865.6	865.6	865.6	865.5	865.3	865.2	865.0	864.8
157.5°	888.3	888.0	887.6	887.3	887.0	886.8	886.8	886.8	886.8	886.8	886.8
160°	908.1	907.9	907.7	907.6	907.4	907.3	907.2	907.0	906.9	906.7	906.5
162.5°	926.3	925.8	925.3	924.8	924.3	924.0	923.9	923.8	923.6	923.5	923.3
165°	942.2	941.7	941.2	940.7	940.2	940.0	939.8	939.5	939.1	938.8	938.4
167.5°	955.1	954.4	953.8	953.1	952.4	952.1	952.1	952.1	952.1	952.1	952.1
170°	965.8	965.0	964.1	963.3	962.4	962.0	962.1	962.2	962.4	962.5	962.7
172.5°	973.4	972.7	972.0	971.3	970.6	970.3	970.3	970.3	970.3	970.3	970.3
175°	980.2	979.4	978.5	977.7	976.8	976.4	976.3	976.1	976.0	975.8	975.6
177.5°	983.2	982.4	981.5	980.7	979.8	979.4	979.4	979.4	979.4	979.4	979.4
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

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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°	17.7	18.7	19.8	20.8	21.3	21.5	21.8	22.1	22.5	22.8	22.5
92.5°	33.9	34.4	34.9	35.4	35.7	35.8	35.9	36.1	36.2	36.4	36.2
95°	58.2	58.7	59.2	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
97.5°	85.7	86.4	87.1	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100°	116.5	116.9	117.2	117.5	117.7	117.7	117.7	117.7	117.7	117.7	117.7
102.5°	148.6	149.1	149.6	150.1	150.3	150.4	150.6	150.7	150.9	151.1	150.9
105°	181.2	181.7	182.2	182.7	183.0	183.3	183.8	184.3	184.8	185.3	184.8
107.5°	216.3	217.0	217.7	218.4	218.7	218.6	218.4	218.3	218.1	217.9	218.1
110°	252.5	252.1	251.8	251.5	251.3	251.6	252.1	252.6	253.1	253.6	253.1

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
115°	329.3	329.2	329.0	328.9	328.8	328.7	328.5	328.4	328.2	328.0	328.2
117.5°	367.0	366.5	366.0	365.5	365.2	364.9	364.4	363.9	363.4	362.9	363.4
120°	405.4	404.5	403.7	402.8	402.4	402.6	402.9	403.2	403.6	403.9	403.6
122.5°	443.7	443.2	442.7	442.2	441.9	441.5	440.6	439.8	438.9	438.1	438.9
125°	481.0	480.7	480.3	480.0	479.8	479.6	479.3	479.0	478.6	478.3	478.6
127.5°	516.7	516.4	516.0	515.7	515.5	515.4	515.3	515.1	515.0	514.8	515.0
130°	554.7	554.3	554.0	553.7	553.5	553.2	552.5	551.8	551.2	550.5	551.2
132.5°	590.4	590.0	589.7	589.4	589.2	589.1	588.9	588.8	588.6	588.4	588.6
135°	626.1	625.7	625.4	625.1	624.9	624.6	624.1	623.6	623.1	622.6	623.1
137.5°	660.8	660.3	659.8	659.3	659.0	659.1	659.3	659.4	659.6	659.8	659.6
140°	694.5	694.4	694.2	694.1	694.0	693.9	693.7	693.6	693.4	693.2	693.4
142.5°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6
145°	759.1	758.9	758.8	758.6	758.5	758.2	757.7	757.2	756.7	756.2	756.7
147.5°	788.7	788.5	788.4	788.2	788.1	788.0	787.8	787.7	787.5	787.3	787.5
150°	816.2	816.2	816.2	816.2	816.2	816.1	815.9	815.8	815.6	815.4	815.6
152.5°	841.8	842.3	842.8	843.3	843.5	843.3	842.8	842.3	841.8	841.3	841.8
155°	865.5	866.1	866.8	867.5	867.8	867.5	866.8	866.1	865.5	864.8	865.5
157.5°	887.3	887.8	888.3	888.8	889.1	888.8	888.3	887.8	887.3	886.8	887.3
160°	907.0	907.5	908.0	908.5	908.8	908.4	907.5	906.7	905.8	905.0	905.8
162.5°	924.3	925.3	926.3	927.3	927.8	927.4	926.5	925.7	924.8	924.0	924.8
165°	939.4	940.4	941.5	942.5	943.0	942.7	942.0	941.3	940.7	940.0	940.7
167.5°	953.1	954.1	955.2	956.2	956.7	956.2	955.2	954.1	953.1	952.1	953.1
170°	963.7	964.7	965.8	966.8	967.3	966.7	965.5	964.4	963.2	962.0	963.2
172.5°	971.5	972.7	973.8	975.0	975.6	975.0	973.8	972.7	971.5	970.3	971.5
175°	976.8	978.0	979.2	980.4	981.0	980.4	979.2	978.0	976.8	975.6	976.8
177.5°	980.6	981.8	983.0	984.2	984.8	984.1	982.8	981.4	980.1	978.7	980.1
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-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°	22.1	21.8	21.5	21.3	20.8	19.8	18.7	17.7	16.7	15.3	14.0
92.5°	36.1	35.9	35.8	35.7	35.4	34.9	34.4	33.9	33.4	32.6	31.7
95°	60.0	60.0	60.0	60.0	59.7	59.2	58.7	58.2	57.7	56.5	55.3
97.5°	88.1	88.1	88.1	88.1	87.8	87.1	86.4	85.7	85.0	83.7	82.3
100°	117.7	117.7	117.7	117.7	117.5	117.2	116.9	116.5	116.2	114.7	113.1
102.5°	150.7	150.6	150.4	150.3	150.1	149.6	149.1	148.6	148.1	146.7	145.4
105°	184.3	183.8	183.3	183.0	182.7	182.2	181.7	181.2	180.7	180.0	179.4
107.5°	218.3	218.4	218.6	218.7	218.4	217.7	217.0	216.3	215.6	215.4	215.3
110°	252.6	252.1	251.6	251.3	251.5	251.8	252.1	252.5	252.8	253.0	253.2

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.4	290.7
115°	328.4	328.5	328.7	328.8	328.9	329.0	329.2	329.3	329.5	329.8	330.2
117.5°	363.9	364.4	364.9	365.2	365.5	366.0	366.5	367.0	367.5	367.7	367.8
120°	403.2	402.9	402.6	402.4	402.8	403.7	404.5	405.4	406.2	406.7	407.2
122.5°	439.8	440.6	441.5	441.9	442.2	442.7	443.2	443.7	444.2	444.4	444.5
125°	479.0	479.3	479.6	479.8	480.0	480.3	480.7	481.0	481.4	481.6	481.7
127.5°	515.1	515.3	515.4	515.5	515.7	516.0	516.4	516.7	517.1	517.4	517.8
130°	551.8	552.5	553.2	553.5	553.7	554.0	554.3	554.7	555.0	555.0	555.0
132.5°	588.8	588.9	589.1	589.2	589.4	589.7	590.0	590.4	590.7	590.9	591.1
135°	623.6	624.1	624.6	624.9	625.1	625.4	625.7	626.1	626.4	626.4	626.4
137.5°	659.4	659.3	659.1	659.0	659.3	659.8	660.3	660.8	661.3	661.0	660.6
140°	693.6	693.7	693.9	694.0	694.1	694.2	694.4	694.5	694.7	694.7	694.7
142.5°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.8	727.0
145°	757.2	757.7	758.2	758.5	758.6	758.8	758.9	759.1	759.3	759.1	758.9
147.5°	787.7	787.8	788.0	788.1	788.2	788.4	788.5	788.7	788.9	789.1	789.2
150°	815.8	815.9	816.1	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2
152.5°	842.3	842.8	843.3	843.5	843.3	842.8	842.3	841.8	841.3	841.1	840.9
155°	866.1	866.8	867.5	867.8	867.5	866.8	866.1	865.5	864.8	865.0	865.2
157.5°	887.8	888.3	888.8	889.1	888.8	888.3	887.8	887.3	886.8	886.8	886.8
160°	906.7	907.5	908.4	908.8	908.5	908.0	907.5	907.0	906.5	906.7	906.9
162.5°	925.7	926.5	927.4	927.8	927.3	926.3	925.3	924.3	923.3	923.5	923.6
165°	941.3	942.0	942.7	943.0	942.5	941.5	940.4	939.4	938.4	938.8	939.1
167.5°	954.1	955.2	956.2	956.7	956.2	955.2	954.1	953.1	952.1	952.1	952.1
170°	964.4	965.5	966.7	967.3	966.8	965.8	964.7	963.7	962.7	962.5	962.4
172.5°	972.7	973.8	975.0	975.6	975.0	973.8	972.7	971.5	970.3	970.3	970.3
175°	978.0	979.2	980.4	981.0	980.4	979.2	978.0	976.8	975.6	975.8	976.0
177.5°	981.4	982.8	984.1	984.8	984.2	983.0	981.8	980.6	979.4	979.4	979.4
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-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°	12.6	11.3	10.6	9.7	7.8	6.0	4.1	2.3	4.1	6.0	7.8
92.5°	30.9	30.0	29.6	28.5	26.3	24.1	21.9	19.7	21.9	24.1	26.3
95°	54.2	53.0	52.4	51.6	50.1	48.6	47.1	45.6	47.1	48.6	50.1
97.5°	81.0	79.7	79.0	78.3	77.0	75.6	74.3	72.9	74.3	75.6	77.0
100°	111.6	110.1	109.3	109.0	108.3	107.6	107.0	106.3	107.0	107.6	108.3
102.5°	144.0	142.7	142.0	141.9	141.7	141.6	141.4	141.2	141.4	141.6	141.7
105°	178.7	178.0	177.7	177.6	177.4	177.3	177.1	176.9	177.1	177.3	177.4
107.5°	215.1	215.0	214.9	214.8	214.6	214.5	214.3	214.1	214.3	214.5	214.6
110°	253.3	253.5	253.6	253.4	253.1	252.8	252.4	252.1	252.4	252.8	253.1

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	291.1	291.4	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6
115°	330.5	330.8	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
117.5°	368.0	368.1	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2
120°	407.7	408.2	408.5	408.2	407.5	406.8	406.1	405.4	406.1	406.8	407.5
122.5°	444.7	444.8	444.9	444.8	444.7	444.5	444.4	444.2	444.4	444.5	444.7
125°	481.9	482.0	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1
127.5°	518.1	518.4	518.6	518.3	517.8	517.3	516.8	516.3	516.8	517.3	517.8
130°	555.0	555.0	555.0	554.7	554.2	553.7	553.2	552.7	553.2	553.7	554.2
132.5°	591.2	591.4	591.5	591.3	591.0	590.6	590.3	589.9	590.3	590.6	591.0
135°	626.4	626.4	626.4	625.9	624.9	623.8	622.8	621.8	622.8	623.8	624.9
137.5°	660.3	660.0	659.8	659.5	659.0	658.5	658.0	657.5	658.0	658.5	659.0
140°	694.7	694.7	694.7	694.5	694.2	693.9	693.5	693.2	693.5	693.9	694.2
142.5°	727.1	727.3	727.4	727.2	726.9	726.5	726.2	725.8	726.2	726.5	726.9
145°	758.8	758.6	758.5	758.2	757.5	756.8	756.2	755.5	756.2	756.8	757.5
147.5°	789.4	789.5	789.6	789.2	788.3	787.5	786.6	785.8	786.6	787.5	788.3
150°	816.2	816.2	816.2	815.9	815.2	814.5	813.9	813.2	813.9	814.5	815.2
152.5°	840.8	840.6	840.5	840.3	840.0	839.7	839.3	839.0	839.3	839.7	840.0
155°	865.3	865.5	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6
157.5°	886.8	886.8	886.8	887.0	887.3	887.6	888.0	888.3	888.0	887.6	887.3
160°	907.0	907.2	907.3	907.4	907.6	907.7	907.9	908.1	907.9	907.7	907.6
162.5°	923.8	923.9	924.0	924.3	924.8	925.3	925.8	926.3	925.8	925.3	924.8
165°	939.5	939.8	940.0	940.2	940.7	941.2	941.7	942.2	941.7	941.2	940.7
167.5°	952.1	952.1	952.1	952.4	953.1	953.8	954.4	955.1	954.4	953.8	953.1
170°	962.2	962.1	962.0	962.4	963.3	964.1	965.0	965.8	965.0	964.1	963.3
172.5°	970.3	970.3	970.3	970.6	971.3	972.0	972.7	973.4	972.7	972.0	971.3
175°	976.1	976.3	976.4	976.8	977.7	978.5	979.4	980.2	979.4	978.5	977.7
177.5°	979.4	979.4	979.4	979.8	980.7	981.5	982.4	983.2	982.4	981.5	980.7
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-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°	9.7	10.6	11.3	12.6	14.0	15.3	16.7	17.7	18.7	19.8	20.8
92.5°	28.5	29.6	30.0	30.9	31.7	32.6	33.4	33.9	34.4	34.9	35.4
95°	51.6	52.4	53.0	54.2	55.3	56.5	57.7	58.2	58.7	59.2	59.7
97.5°	78.3	79.0	79.7	81.0	82.3	83.7	85.0	85.7	86.4	87.1	87.8
100°	109.0	109.3	110.1	111.6	113.1	114.7	116.2	116.5	116.9	117.2	117.5
102.5°	141.9	142.0	142.7	144.0	145.4	146.7	148.1	148.6	149.1	149.6	150.1
105°	177.6	177.7	178.0	178.7	179.4	180.0	180.7	181.2	181.7	182.2	182.7
107.5°	214.8	214.9	215.0	215.1	215.3	215.4	215.6	216.3	217.0	217.7	218.4
110°	253.4	253.6	253.5	253.3	253.2	253.0	252.8	252.5	252.1	251.8	251.5

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	291.6	291.6	291.4	291.1	290.7	290.4	290.0	290.0	290.0	290.0	290.0
115°	331.0	331.0	330.8	330.5	330.2	329.8	329.5	329.3	329.2	329.0	328.9
117.5°	368.2	368.2	368.1	368.0	367.8	367.7	367.5	367.0	366.5	366.0	365.5
120°	408.2	408.5	408.2	407.7	407.2	406.7	406.2	405.4	404.5	403.7	402.8
122.5°	444.8	444.9	444.8	444.7	444.5	444.4	444.2	443.7	443.2	442.7	442.2
125°	482.1	482.1	482.0	481.9	481.7	481.6	481.4	481.0	480.7	480.3	480.0
127.5°	518.3	518.6	518.4	518.1	517.8	517.4	517.1	516.7	516.4	516.0	515.7
130°	554.7	555.0	555.0	555.0	555.0	555.0	555.0	554.7	554.3	554.0	553.7
132.5°	591.3	591.5	591.4	591.2	591.1	590.9	590.7	590.4	590.0	589.7	589.4
135°	625.9	626.4	626.4	626.4	626.4	626.4	626.4	626.1	625.7	625.4	625.1
137.5°	659.5	659.8	660.0	660.3	660.6	661.0	661.3	660.8	660.3	659.8	659.3
140°	694.5	694.7	694.7	694.7	694.7	694.7	694.7	694.5	694.4	694.2	694.1
142.5°	727.2	727.4	727.3	727.1	727.0	726.8	726.6	726.6	726.6	726.6	726.6
145°	758.2	758.5	758.6	758.8	758.9	759.1	759.3	759.1	758.9	758.8	758.6
147.5°	789.2	789.6	789.5	789.4	789.2	789.1	788.9	788.7	788.5	788.4	788.2
150°	815.9	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2
152.5°	840.3	840.5	840.6	840.8	840.9	841.1	841.3	841.8	842.3	842.8	843.3
155°	865.6	865.6	865.5	865.3	865.2	865.0	864.8	865.5	866.1	866.8	867.5
157.5°	887.0	886.8	886.8	886.8	886.8	886.8	886.8	887.3	887.8	888.3	888.8
160°	907.4	907.3	907.2	907.0	906.9	906.7	906.5	907.0	907.5	908.0	908.5
162.5°	924.3	924.0	923.9	923.8	923.6	923.5	923.3	924.3	925.3	926.3	927.3
165°	940.2	940.0	939.8	939.5	939.1	938.8	938.4	939.4	940.4	941.5	942.5
167.5°	952.4	952.1	952.1	952.1	952.1	952.1	952.1	953.1	954.1	955.2	956.2
170°	962.4	962.0	962.1	962.2	962.4	962.5	962.7	963.7	964.7	965.8	966.8
172.5°	970.6	970.3	970.3	970.3	970.3	970.3	970.3	971.5	972.7	973.8	975.0
175°	976.8	976.4	976.3	976.1	976.0	975.8	975.6	976.8	978.0	979.2	980.4
177.5°	979.8	979.4	979.4	979.4	979.4	979.4	979.4	980.6	981.8	983.0	984.2
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-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°	21.3	21.5	21.8	22.1	22.5	22.8	22.5	22.1	21.8	21.5	21.3
92.5°	35.7	35.8	35.9	36.1	36.2	36.4	36.2	36.1	35.9	35.8	35.7
95°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
97.5°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
102.5°	150.3	150.4	150.6	150.7	150.9	151.1	150.9	150.7	150.6	150.4	150.3
105°	183.0	183.3	183.8	184.3	184.8	185.3	184.8	184.3	183.8	183.3	183.0
107.5°	218.7	218.6	218.4	218.3	218.1	217.9	218.1	218.3	218.4	218.6	218.7
110°	251.3	251.6	252.1	252.6	253.1	253.6	253.1	252.6	252.1	251.6	251.3

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
115°	328.8	328.7	328.5	328.4	328.2	328.0	328.2	328.4	328.5	328.7	328.8
117.5°	365.2	364.9	364.4	363.9	363.4	362.9	363.4	363.9	364.4	364.9	365.2
120°	402.4	402.6	402.9	403.2	403.6	403.9	403.6	403.2	402.9	402.6	402.4
122.5°	441.9	441.5	440.6	439.8	438.9	438.1	438.9	439.8	440.6	441.5	441.9
125°	479.8	479.6	479.3	479.0	478.6	478.3	478.6	479.0	479.3	479.6	479.8
127.5°	515.5	515.4	515.3	515.1	515.0	514.8	515.0	515.1	515.3	515.4	515.5
130°	553.5	553.2	552.5	551.8	551.2	550.5	551.2	551.8	552.5	553.2	553.5
132.5°	589.2	589.1	588.9	588.8	588.6	588.4	588.6	588.8	588.9	589.1	589.2
135°	624.9	624.6	624.1	623.6	623.1	622.6	623.1	623.6	624.1	624.6	624.9
137.5°	659.0	659.1	659.3	659.4	659.6	659.8	659.6	659.4	659.3	659.1	659.0
140°	694.0	693.9	693.7	693.6	693.4	693.2	693.4	693.6	693.7	693.9	694.0
142.5°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6
145°	758.5	758.2	757.7	757.2	756.7	756.2	756.7	757.2	757.7	758.2	758.5
147.5°	788.1	788.0	787.8	787.7	787.5	787.3	787.5	787.7	787.8	788.0	788.1
150°	816.2	816.1	815.9	815.8	815.6	815.4	815.6	815.8	815.9	816.1	816.2
152.5°	843.5	843.3	842.8	842.3	841.8	841.3	841.8	842.3	842.8	843.3	843.5
155°	867.8	867.5	866.8	866.1	865.5	864.8	865.5	866.1	866.8	867.5	867.8
157.5°	889.1	888.8	888.3	887.8	887.3	886.8	887.3	887.8	888.3	888.8	889.1
160°	908.8	908.4	907.5	906.7	905.8	905.0	905.8	906.7	907.5	908.4	908.8
162.5°	927.8	927.4	926.5	925.7	924.8	924.0	924.8	925.7	926.5	927.4	927.8
165°	943.0	942.7	942.0	941.3	940.7	940.0	940.7	941.3	942.0	942.7	943.0
167.5°	956.7	956.2	955.2	954.1	953.1	952.1	953.1	954.1	955.2	956.2	956.7
170°	967.3	966.7	965.5	964.4	963.2	962.0	963.2	964.4	965.5	966.7	967.3
172.5°	975.6	975.0	973.8	972.7	971.5	970.3	971.5	972.7	973.8	975.0	975.6
175°	981.0	980.4	979.2	978.0	976.8	975.6	976.8	978.0	979.2	980.4	981.0
177.5°	984.8	984.1	982.8	981.4	980.1	978.7	980.1	981.4	982.8	984.1	984.8
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-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°	20.8	19.8	18.7	17.7	16.7	15.3	14.0	12.6	11.3	10.6	9.7
92.5°	35.4	34.9	34.4	33.9	33.4	32.6	31.7	30.9	30.0	29.6	28.5
95°	59.7	59.2	58.7	58.2	57.7	56.5	55.3	54.2	53.0	52.4	51.6
97.5°	87.8	87.1	86.4	85.7	85.0	83.7	82.3	81.0	79.7	79.0	78.3
100°	117.5	117.2	116.9	116.5	116.2	114.7	113.1	111.6	110.1	109.3	109.0
102.5°	150.1	149.6	149.1	148.6	148.1	146.7	145.4	144.0	142.7	142.0	141.9
105°	182.7	182.2	181.7	181.2	180.7	180.0	179.4	178.7	178.0	177.7	177.6
107.5°	218.4	217.7	217.0	216.3	215.6	215.4	215.3	215.1	215.0	214.9	214.8
110°	251.5	251.8	252.1	252.5	252.8	253.0	253.2	253.3	253.5	253.6	253.4

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	290.0	290.0	290.0	290.0	290.0	290.4	290.7	291.1	291.4	291.6	291.6
115°	328.9	329.0	329.2	329.3	329.5	329.8	330.2	330.5	330.8	331.0	331.0
117.5°	365.5	366.0	366.5	367.0	367.5	367.7	367.8	368.0	368.1	368.2	368.2
120°	402.8	403.7	404.5	405.4	406.2	406.7	407.2	407.7	408.2	408.5	408.2
122.5°	442.2	442.7	443.2	443.7	444.2	444.4	444.5	444.7	444.8	444.9	444.8
125°	480.0	480.3	480.7	481.0	481.4	481.6	481.7	481.9	482.0	482.1	482.1
127.5°	515.7	516.0	516.4	516.7	517.1	517.4	517.8	518.1	518.4	518.6	518.3
130°	553.7	554.0	554.3	554.7	555.0	555.0	555.0	555.0	555.0	555.0	554.7
132.5°	589.4	589.7	590.0	590.4	590.7	590.9	591.1	591.2	591.4	591.5	591.3
135°	625.1	625.4	625.7	626.1	626.4	626.4	626.4	626.4	626.4	626.4	625.9
137.5°	659.3	659.8	660.3	660.8	661.3	661.0	660.6	660.3	660.0	659.8	659.5
140°	694.1	694.2	694.4	694.5	694.7	694.7	694.7	694.7	694.7	694.7	694.5
142.5°	726.6	726.6	726.6	726.6	726.6	726.8	727.0	727.1	727.3	727.4	727.2
145°	758.6	758.8	758.9	759.1	759.3	759.1	758.9	758.8	758.6	758.5	758.2
147.5°	788.2	788.4	788.5	788.7	788.9	789.1	789.2	789.4	789.5	789.6	789.2
150°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	815.9
152.5°	843.3	842.8	842.3	841.8	841.3	841.1	840.9	840.8	840.6	840.5	840.3
155°	867.5	866.8	866.1	865.5	864.8	865.0	865.2	865.3	865.5	865.6	865.6
157.5°	888.8	888.3	887.8	887.3	886.8	886.8	886.8	886.8	886.8	886.8	887.0
160°	908.5	908.0	907.5	907.0	906.5	906.7	906.9	907.0	907.2	907.3	907.4
162.5°	927.3	926.3	925.3	924.3	923.3	923.5	923.6	923.8	923.9	924.0	924.3
165°	942.5	941.5	940.4	939.4	938.4	938.8	939.1	939.5	939.8	940.0	940.2
167.5°	956.2	955.2	954.1	953.1	952.1	952.1	952.1	952.1	952.1	952.1	952.4
170°	966.8	965.8	964.7	963.7	962.7	962.5	962.4	962.2	962.1	962.0	962.4
172.5°	975.0	973.8	972.7	971.5	970.3	970.3	970.3	970.3	970.3	970.3	970.6
175°	980.4	979.2	978.0	976.8	975.6	975.8	976.0	976.1	976.3	976.4	976.8
177.5°	984.2	983.0	981.8	980.6	979.4	979.4	979.4	979.4	979.4	979.4	979.8
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-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°	7.8	6.0	4.1	2.3
92.5°	26.3	24.1	21.9	19.7
95°	50.1	48.6	47.1	45.6
97.5°	77.0	75.6	74.3	72.9
100°	108.3	107.6	107.0	106.3
102.5°	141.7	141.6	141.4	141.2
105°	177.4	177.3	177.1	176.9
107.5°	214.6	214.5	214.3	214.1
110°	253.1	252.8	252.4	252.1

TEST NUMBER: P1001680

CATALOG NUMBER: SA4XXDIP-B575D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	291.6	291.6	291.6	291.6
115°	331.0	331.0	331.0	331.0
117.5°	368.2	368.2	368.2	368.2
120°	407.5	406.8	406.1	405.4
122.5°	444.7	444.5	444.4	444.2
125°	482.1	482.1	482.1	482.1
127.5°	517.8	517.3	516.8	516.3
130°	554.2	553.7	553.2	552.7
132.5°	591.0	590.6	590.3	589.9
135°	624.9	623.8	622.8	621.8
137.5°	659.0	658.5	658.0	657.5
140°	694.2	693.9	693.5	693.2
142.5°	726.9	726.5	726.2	725.8
145°	757.5	756.8	756.2	755.5
147.5°	788.3	787.5	786.6	785.8
150°	815.2	814.5	813.9	813.2
152.5°	840.0	839.7	839.3	839.0
155°	865.6	865.6	865.6	865.6
157.5°	887.3	887.6	888.0	888.3
160°	907.6	907.7	907.9	908.1
162.5°	924.8	925.3	925.8	926.3
165°	940.7	941.2	941.7	942.2
167.5°	953.1	953.8	954.4	955.1
170°	963.3	964.1	965.0	965.8
172.5°	971.3	972.0	972.7	973.4
175°	977.7	978.5	979.4	980.2
177.5°	980.7	981.5	982.4	983.2
180°	981.7	981.7	981.7	981.7

(END OF REPORT)