

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: P1001621

Luminaire Tested: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001621
REPORT IS A COMBINATION OF REPORTS P996243 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-A4
Description: Define 4 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

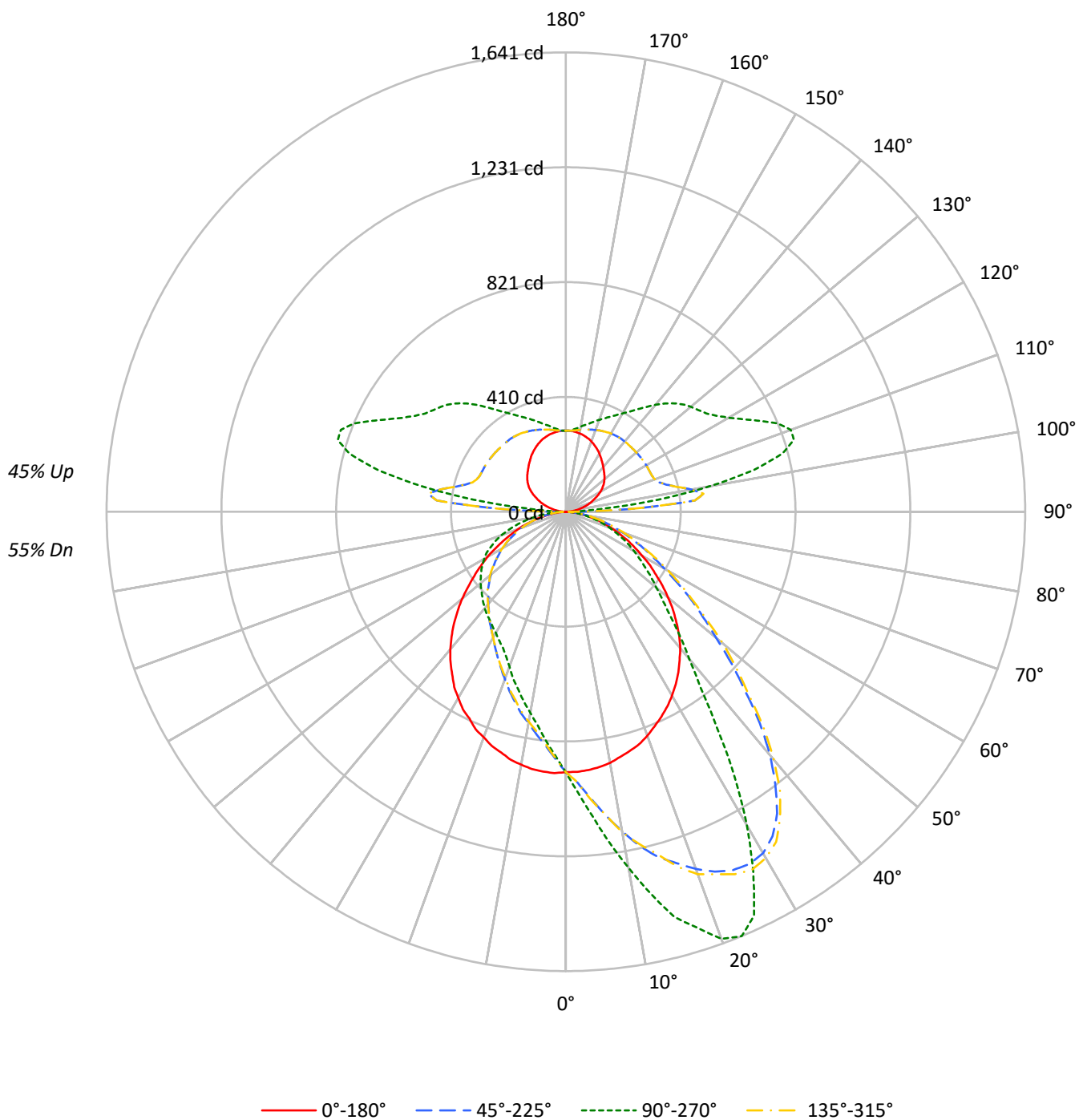
Lumens per Lamp: N/A
Luminaire Lumens: 4674.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	35	31	29
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	31	28	25
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20
9	51	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18
10	48	36	29	24	45	34	27	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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	1.9
10°-20°	279.3	6.0
20°-30°	443.8	9.5
30°-40°	493.1	10.5
40°-50°	448.4	9.6
50°-60°	366.4	7.8
60°-70°	261.6	5.6
70°-80°	143.9	3.1
80°-90°	40.0	0.9
90°-100°	209.7	4.5
100°-110°	437.7	9.4
110°-120°	389.1	8.3
120°-130°	327.5	7.0
130°-140°	273.3	5.8
140°-150°	208.6	4.5
150°-160°	146.7	3.1
160°-170°	86.3	1.8
170°-180°	28.1	0.6
0°-30°	813.6	17.4
0°-40°	1306.7	28.0
0°-60°	2121.6	45.4
0°-90°	2567.1	54.9
90°-120°	1036.4	22.2
90°-150°	1845.9	39.5
90°-180°	2107.0	45.1
0°-180°	4674.0	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	12	1	12	1	3
95°	19	139	19	139	19	21
105°	66	800	66	800	66	71
115°	117	768	117	768	117	116
125°	163	613	163	613	163	145
135°	194	548	194	548	194	150
145°	223	447	223	447	223	140
155°	254	374	254	374	254	117
165°	277	327	277	327	277	78
175°	289	294	289	294	289	27
180°	289	289	289	289	289	

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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°	0.6	1.7	3.4	4.0	4.5	4.5	4.5	8.0	8.0	9.1	10.2
92.5°	8.0	11.4	17.6	26.1	36.4	43.8	51.1	86.4	141.5	194.9	222.8
95°	18.8	20.5	26.1	33.5	47.2	59.1	71.0	120.5	213.7	349.5	463.2
97.5°	31.3	31.3	36.4	43.2	55.1	65.4	75.6	114.8	194.9	334.7	495.6
100°	43.2	43.2	47.2	54.0	64.8	73.9	83.0	116.5	180.7	296.7	456.9
102.5°	54.6	55.7	59.1	65.4	75.6	84.1	92.6	122.2	176.7	271.1	408.6
105°	66.5	68.2	71.0	77.9	88.1	96.4	104.6	131.9	179.0	258.6	372.8
107.5°	79.6	80.7	83.5	90.9	100.6	108.8	117.1	142.1	185.8	255.2	349.5
110°	92.6	93.8	96.6	103.4	113.7	121.4	129.0	154.0	193.8	256.3	338.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.1	106.3	109.7	115.9	126.2	133.8	141.5	165.4	202.3	259.7	333.6
115°	117.1	118.8	122.8	128.4	139.2	146.9	154.6	177.3	211.4	264.3	332.5
117.5°	129.6	131.3	134.7	140.9	151.2	159.1	167.1	188.7	220.5	268.8	331.9
120°	142.1	143.2	147.2	153.4	163.1	171.0	179.0	200.6	230.2	273.9	331.9
122.5°	153.4	154.6	158.6	164.2	175.0	182.7	190.4	212.0	239.3	279.0	331.3
125°	163.1	165.4	168.8	175.0	185.8	193.8	201.8	222.2	248.4	284.2	330.8
127.5°	172.2	173.9	177.9	184.7	196.1	204.0	212.0	231.9	256.3	288.1	329.6
130°	179.6	181.9	186.4	194.9	205.7	214.0	222.2	241.5	263.7	292.7	329.1
132.5°	187.0	188.7	194.9	202.9	214.8	222.5	230.2	249.5	271.1	296.7	328.5
135°	193.8	196.1	201.8	211.4	223.3	230.7	238.1	256.9	277.3	300.6	327.9
137.5°	200.6	202.9	209.1	218.2	230.7	237.8	244.9	262.6	281.9	302.9	327.9
140°	208.0	209.7	216.0	225.6	237.6	244.4	251.2	268.2	286.4	305.8	327.4
142.5°	216.0	217.7	223.3	232.4	243.8	250.4	256.9	273.4	289.8	308.0	327.4
145°	223.3	225.1	230.7	238.7	249.5	255.8	262.0	276.8	292.1	308.6	326.2
147.5°	231.9	232.4	237.6	246.1	255.2	260.8	266.5	280.8	294.4	309.2	324.5
150°	239.8	240.4	244.9	251.8	260.3	265.7	271.1	283.6	296.1	309.2	322.8
152.5°	247.2	247.2	251.8	258.0	265.4	270.2	275.1	285.9	297.2	308.0	320.0
155°	254.0	254.6	258.0	263.7	270.0	274.2	278.5	288.1	297.8	306.9	317.1
157.5°	260.9	260.9	264.3	268.8	274.5	277.9	281.3	289.8	297.8	305.8	314.3
160°	267.1	267.1	269.4	273.4	277.9	281.0	284.2	291.0	297.8	304.1	310.9
162.5°	272.8	272.2	273.9	277.3	281.3	283.6	285.9	292.1	297.8	302.3	307.5
165°	276.8	276.8	277.9	280.8	283.6	285.3	287.0	292.1	296.7	300.1	304.1
167.5°	281.3	280.8	281.3	283.6	285.3	286.7	288.1	292.1	295.5	297.8	300.6
170°	284.2	283.6	284.2	285.9	287.0	287.8	288.7	291.5	294.4	295.5	297.2
172.5°	287.0	286.4	286.4	287.6	288.1	288.7	289.3	291.0	293.3	293.3	293.8
175°	288.7	288.1	288.1	288.7	289.3	289.3	289.3	290.4	292.1	291.5	291.5
177.5°	289.8	289.3	288.7	289.3	289.3	289.3	289.3	289.8	291.0	289.8	289.8
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

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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°	9.7	10.2	10.8	11.4	11.4	11.4	11.9	12.5	11.9	11.9	11.9
92.5°	185.3	137.0	102.3	80.7	73.6	66.5	58.0	54.0	51.7	51.7	51.7
95°	476.3	421.1	333.0	256.9	229.4	201.8	173.9	156.3	146.1	138.7	146.1
97.5°	597.3	606.4	562.6	500.1	468.3	436.5	397.8	363.7	346.7	333.0	346.7
100°	602.4	685.4	696.8	668.9	647.9	626.9	577.4	542.7	525.7	521.1	525.7
102.5°	559.8	681.4	749.0	766.1	760.4	754.7	729.2	706.4	688.2	684.8	688.2
105°	506.4	636.5	734.8	791.1	802.8	814.4	815.5	811.0	803.0	799.6	803.0
107.5°	462.6	581.4	687.7	766.1	790.0	813.8	838.8	849.1	853.6	854.2	853.6
110°	431.4	532.5	630.8	713.2	744.5	775.8	816.1	840.0	850.2	855.3	850.2

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	413.7	496.7	580.8	657.5	688.8	720.1	767.2	797.4	812.7	821.8	812.7
115°	404.1	475.1	545.0	611.5	638.8	666.1	711.0	745.1	763.3	767.8	763.3
117.5°	399.0	462.6	521.7	575.7	599.6	623.4	663.2	692.8	712.1	714.9	712.1
120°	395.0	454.7	507.5	553.0	573.2	593.3	625.7	650.7	665.5	671.8	665.5
122.5°	390.4	447.8	498.4	538.8	555.8	572.9	599.0	619.5	631.4	637.7	631.4
125°	385.3	439.9	488.8	528.0	543.6	559.2	582.0	598.4	609.2	612.6	609.2
127.5°	378.5	430.8	478.0	517.2	532.0	546.7	569.5	584.2	593.3	596.7	593.3
130°	372.2	419.4	464.3	503.0	518.0	533.1	556.4	570.6	579.7	583.1	579.7
132.5°	366.6	407.5	449.0	486.5	501.6	516.6	539.3	555.8	564.3	567.8	564.3
135°	360.9	396.7	433.6	468.3	482.5	496.7	519.4	535.4	544.5	547.9	544.5
137.5°	355.8	386.5	418.9	449.0	462.0	475.1	496.7	513.2	520.6	524.6	520.6
140°	351.8	377.9	404.6	430.2	442.2	454.1	474.0	486.5	494.4	499.0	494.4
142.5°	348.4	370.0	392.7	413.7	423.6	433.6	450.7	462.0	468.9	471.7	468.9
145°	344.4	362.6	381.9	399.0	407.0	414.9	429.1	438.7	444.4	447.3	444.4
147.5°	341.0	356.3	372.2	386.5	393.0	399.5	410.3	418.9	423.4	424.5	423.4
150°	337.0	350.7	363.7	375.1	380.2	385.3	394.4	401.8	405.2	405.8	405.2
152.5°	332.5	344.4	355.2	365.4	369.4	373.4	380.8	386.5	388.2	388.7	388.2
155°	327.9	338.2	347.2	355.8	359.2	362.6	368.3	372.8	374.5	374.5	374.5
157.5°	323.4	331.3	339.3	346.7	349.5	352.4	356.9	360.3	361.5	361.5	361.5
160°	318.3	325.1	331.3	337.6	339.8	342.1	345.5	348.9	349.5	349.5	349.5
162.5°	313.7	318.8	323.9	328.5	330.5	332.5	334.7	338.2	338.7	338.2	338.7
165°	308.6	313.1	316.6	320.5	322.0	323.4	325.6	327.9	327.4	326.8	327.4
167.5°	304.1	307.5	310.3	313.7	314.5	315.4	316.6	318.3	318.3	317.7	318.3
170°	299.5	302.3	304.1	306.3	307.2	308.0	309.2	309.7	309.2	309.2	309.2
172.5°	295.5	297.8	298.9	300.1	300.6	301.2	301.8	302.3	301.8	300.6	301.8
175°	292.7	293.8	294.4	295.5	295.5	295.5	295.5	296.7	295.5	294.4	295.5
177.5°	290.4	291.0	291.5	291.5	291.8	292.1	291.5	292.1	291.0	289.8	291.0
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

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°	12.5	11.9	11.4	11.4	11.4	10.8	10.2	9.7	10.2	9.1	8.0
92.5°	54.0	58.0	66.5	73.6	80.7	102.3	137.0	185.3	222.8	194.9	141.5
95°	156.3	173.9	201.8	229.4	256.9	333.0	421.1	476.3	463.2	349.5	213.7
97.5°	363.7	397.8	436.5	468.3	500.1	562.6	606.4	597.3	495.6	334.7	194.9
100°	542.7	577.4	626.9	647.9	668.9	696.8	685.4	602.4	456.9	296.7	180.7
102.5°	706.4	729.2	754.7	760.4	766.1	749.0	681.4	559.8	408.6	271.1	176.7
105°	811.0	815.5	814.4	802.8	791.1	734.8	636.5	506.4	372.8	258.6	179.0
107.5°	849.1	838.8	813.8	790.0	766.1	687.7	581.4	462.6	349.5	255.2	185.8
110°	840.0	816.1	775.8	744.5	713.2	630.8	532.5	431.4	338.7	256.3	193.8

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	797.4	767.2	720.1	688.8	657.5	580.8	496.7	413.7	333.6	259.7	202.3
115°	745.1	711.0	666.1	638.8	611.5	545.0	475.1	404.1	332.5	264.3	211.4
117.5°	692.8	663.2	623.4	599.6	575.7	521.7	462.6	399.0	331.9	268.8	220.5
120°	650.7	625.7	593.3	573.2	553.0	507.5	454.7	395.0	331.9	273.9	230.2
122.5°	619.5	599.0	572.9	555.8	538.8	498.4	447.8	390.4	331.3	279.0	239.3
125°	598.4	582.0	559.2	543.6	528.0	488.8	439.9	385.3	330.8	284.2	248.4
127.5°	584.2	569.5	546.7	532.0	517.2	478.0	430.8	378.5	329.6	288.1	256.3
130°	570.6	556.4	533.1	518.0	503.0	464.3	419.4	372.2	329.1	292.7	263.7
132.5°	555.8	539.3	516.6	501.6	486.5	449.0	407.5	366.6	328.5	296.7	271.1
135°	535.4	519.4	496.7	482.5	468.3	433.6	396.7	360.9	327.9	300.6	277.3
137.5°	513.2	496.7	475.1	462.0	449.0	418.9	386.5	355.8	327.9	302.9	281.9
140°	486.5	474.0	454.1	442.2	430.2	404.6	377.9	351.8	327.4	305.8	286.4
142.5°	462.0	450.7	433.6	423.6	413.7	392.7	370.0	348.4	327.4	308.0	289.8
145°	438.7	429.1	414.9	407.0	399.0	381.9	362.6	344.4	326.2	308.6	292.1
147.5°	418.9	410.3	399.5	393.0	386.5	372.2	356.3	341.0	324.5	309.2	294.4
150°	401.8	394.4	385.3	380.2	375.1	363.7	350.7	337.0	322.8	309.2	296.1
152.5°	386.5	380.8	373.4	369.4	365.4	355.2	344.4	332.5	320.0	308.0	297.2
155°	372.8	368.3	362.6	359.2	355.8	347.2	338.2	327.9	317.1	306.9	297.8
157.5°	360.3	356.9	352.4	349.5	346.7	339.3	331.3	323.4	314.3	305.8	297.8
160°	348.9	345.5	342.1	339.8	337.6	331.3	325.1	318.3	310.9	304.1	297.8
162.5°	338.2	334.7	332.5	330.5	328.5	323.9	318.8	313.7	307.5	302.3	297.8
165°	327.9	325.6	323.4	322.0	320.5	316.6	313.1	308.6	304.1	300.1	296.7
167.5°	318.3	316.6	315.4	314.5	313.7	310.3	307.5	304.1	300.6	297.8	295.5
170°	309.7	309.2	308.0	307.2	306.3	304.1	302.3	299.5	297.2	295.5	294.4
172.5°	302.3	301.8	301.2	300.6	300.1	298.9	297.8	295.5	293.8	293.3	293.3
175°	296.7	295.5	295.5	295.5	295.5	294.4	293.8	292.7	291.5	291.5	292.1
177.5°	292.1	291.5	292.1	291.8	291.5	291.5	291.0	290.4	289.8	289.8	291.0
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

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°	8.0	4.5	4.5	4.5	4.0	3.4	1.7	0.6	1.7	3.4	4.0
92.5°	86.4	51.1	43.8	36.4	26.1	17.6	11.4	8.0	11.4	17.6	26.1
95°	120.5	71.0	59.1	47.2	33.5	26.1	20.5	18.8	20.5	26.1	33.5
97.5°	114.8	75.6	65.4	55.1	43.2	36.4	31.3	31.3	31.3	36.4	43.2
100°	116.5	83.0	73.9	64.8	54.0	47.2	43.2	43.2	43.2	47.2	54.0
102.5°	122.2	92.6	84.1	75.6	65.4	59.1	55.7	54.6	55.7	59.1	65.4
105°	131.9	104.6	96.4	88.1	77.9	71.0	68.2	66.5	68.2	71.0	77.9
107.5°	142.1	117.1	108.8	100.6	90.9	83.5	80.7	79.6	80.7	83.5	90.9
110°	154.0	129.0	121.4	113.7	103.4	96.6	93.8	92.6	93.8	96.6	103.4

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	165.4	141.5	133.8	126.2	115.9	109.7	106.3	105.1	106.3	109.7	115.9
115°	177.3	154.6	146.9	139.2	128.4	122.8	118.8	117.1	118.8	122.8	128.4
117.5°	188.7	167.1	159.1	151.2	140.9	134.7	131.3	129.6	131.3	134.7	140.9
120°	200.6	179.0	171.0	163.1	153.4	147.2	143.2	142.1	143.2	147.2	153.4
122.5°	212.0	190.4	182.7	175.0	164.2	158.6	154.6	153.4	154.6	158.6	164.2
125°	222.2	201.8	193.8	185.8	175.0	168.8	165.4	163.1	165.4	168.8	175.0
127.5°	231.9	212.0	204.0	196.1	184.7	177.9	173.9	172.2	173.9	177.9	184.7
130°	241.5	222.2	214.0	205.7	194.9	186.4	181.9	179.6	181.9	186.4	194.9
132.5°	249.5	230.2	222.5	214.8	202.9	194.9	188.7	187.0	188.7	194.9	202.9
135°	256.9	238.1	230.7	223.3	211.4	201.8	196.1	193.8	196.1	201.8	211.4
137.5°	262.6	244.9	237.8	230.7	218.2	209.1	202.9	200.6	202.9	209.1	218.2
140°	268.2	251.2	244.4	237.6	225.6	216.0	209.7	208.0	209.7	216.0	225.6
142.5°	273.4	256.9	250.4	243.8	232.4	223.3	217.7	216.0	217.7	223.3	232.4
145°	276.8	262.0	255.8	249.5	238.7	230.7	225.1	223.3	225.1	230.7	238.7
147.5°	280.8	266.5	260.8	255.2	246.1	237.6	232.4	231.9	232.4	237.6	246.1
150°	283.6	271.1	265.7	260.3	251.8	244.9	240.4	239.8	240.4	244.9	251.8
152.5°	285.9	275.1	270.2	265.4	258.0	251.8	247.2	247.2	247.2	251.8	258.0
155°	288.1	278.5	274.2	270.0	263.7	258.0	254.6	254.0	254.6	258.0	263.7
157.5°	289.8	281.3	277.9	274.5	268.8	264.3	260.9	260.9	260.9	264.3	268.8
160°	291.0	284.2	281.0	277.9	273.4	269.4	267.1	267.1	267.1	269.4	273.4
162.5°	292.1	285.9	283.6	281.3	277.3	273.9	272.2	272.8	272.2	273.9	277.3
165°	292.1	287.0	285.3	283.6	280.8	277.9	276.8	276.8	276.8	277.9	280.8
167.5°	292.1	288.1	286.7	285.3	283.6	281.3	280.8	281.3	280.8	281.3	283.6
170°	291.5	288.7	287.8	287.0	285.9	284.2	283.6	284.2	283.6	284.2	285.9
172.5°	291.0	289.3	288.7	288.1	287.6	286.4	286.4	287.0	286.4	286.4	287.6
175°	290.4	289.3	289.3	289.3	288.7	288.1	288.1	288.7	288.1	288.1	288.7
177.5°	289.8	289.3	289.3	289.3	289.3	288.7	289.3	289.8	289.3	288.7	289.3
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

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	4.5	4.5	8.0	8.0	9.1	10.2	9.7	10.2	10.8	11.4
92.5°	36.4	43.8	51.1	86.4	141.5	194.9	222.8	185.3	137.0	102.3	80.7
95°	47.2	59.1	71.0	120.5	213.7	349.5	463.2	476.3	421.1	333.0	256.9
97.5°	55.1	65.4	75.6	114.8	194.9	334.7	495.6	597.3	606.4	562.6	500.1
100°	64.8	73.9	83.0	116.5	180.7	296.7	456.9	602.4	685.4	696.8	668.9
102.5°	75.6	84.1	92.6	122.2	176.7	271.1	408.6	559.8	681.4	749.0	766.1
105°	88.1	96.4	104.6	131.9	179.0	258.6	372.8	506.4	636.5	734.8	791.1
107.5°	100.6	108.8	117.1	142.1	185.8	255.2	349.5	462.6	581.4	687.7	766.1
110°	113.7	121.4	129.0	154.0	193.8	256.3	338.7	431.4	532.5	630.8	713.2

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	126.2	133.8	141.5	165.4	202.3	259.7	333.6	413.7	496.7	580.8	657.5
115°	139.2	146.9	154.6	177.3	211.4	264.3	332.5	404.1	475.1	545.0	611.5
117.5°	151.2	159.1	167.1	188.7	220.5	268.8	331.9	399.0	462.6	521.7	575.7
120°	163.1	171.0	179.0	200.6	230.2	273.9	331.9	395.0	454.7	507.5	553.0
122.5°	175.0	182.7	190.4	212.0	239.3	279.0	331.3	390.4	447.8	498.4	538.8
125°	185.8	193.8	201.8	222.2	248.4	284.2	330.8	385.3	439.9	488.8	528.0
127.5°	196.1	204.0	212.0	231.9	256.3	288.1	329.6	378.5	430.8	478.0	517.2
130°	205.7	214.0	222.2	241.5	263.7	292.7	329.1	372.2	419.4	464.3	503.0
132.5°	214.8	222.5	230.2	249.5	271.1	296.7	328.5	366.6	407.5	449.0	486.5
135°	223.3	230.7	238.1	256.9	277.3	300.6	327.9	360.9	396.7	433.6	468.3
137.5°	230.7	237.8	244.9	262.6	281.9	302.9	327.9	355.8	386.5	418.9	449.0
140°	237.6	244.4	251.2	268.2	286.4	305.8	327.4	351.8	377.9	404.6	430.2
142.5°	243.8	250.4	256.9	273.4	289.8	308.0	327.4	348.4	370.0	392.7	413.7
145°	249.5	255.8	262.0	276.8	292.1	308.6	326.2	344.4	362.6	381.9	399.0
147.5°	255.2	260.8	266.5	280.8	294.4	309.2	324.5	341.0	356.3	372.2	386.5
150°	260.3	265.7	271.1	283.6	296.1	309.2	322.8	337.0	350.7	363.7	375.1
152.5°	265.4	270.2	275.1	285.9	297.2	308.0	320.0	332.5	344.4	355.2	365.4
155°	270.0	274.2	278.5	288.1	297.8	306.9	317.1	327.9	338.2	347.2	355.8
157.5°	274.5	277.9	281.3	289.8	297.8	305.8	314.3	323.4	331.3	339.3	346.7
160°	277.9	281.0	284.2	291.0	297.8	304.1	310.9	318.3	325.1	331.3	337.6
162.5°	281.3	283.6	285.9	292.1	297.8	302.3	307.5	313.7	318.8	323.9	328.5
165°	283.6	285.3	287.0	292.1	296.7	300.1	304.1	308.6	313.1	316.6	320.5
167.5°	285.3	286.7	288.1	292.1	295.5	297.8	300.6	304.1	307.5	310.3	313.7
170°	287.0	287.8	288.7	291.5	294.4	295.5	297.2	299.5	302.3	304.1	306.3
172.5°	288.1	288.7	289.3	291.0	293.3	293.3	293.8	295.5	297.8	298.9	300.1
175°	289.3	289.3	289.3	290.4	292.1	291.5	291.5	292.7	293.8	294.4	295.5
177.5°	289.3	289.3	289.3	289.8	291.0	289.8	289.8	290.4	291.0	291.5	291.5
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

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°	11.4	11.4	11.9	12.5	11.9	11.9	11.9	12.5	11.9	11.4	11.4
92.5°	73.6	66.5	58.0	54.0	51.7	51.7	51.7	54.0	58.0	66.5	73.6
95°	229.4	201.8	173.9	156.3	146.1	138.7	146.1	156.3	173.9	201.8	229.4
97.5°	468.3	436.5	397.8	363.7	346.7	333.0	346.7	363.7	397.8	436.5	468.3
100°	647.9	626.9	577.4	542.7	525.7	521.1	525.7	542.7	577.4	626.9	647.9
102.5°	760.4	754.7	729.2	706.4	688.2	684.8	688.2	706.4	729.2	754.7	760.4
105°	802.8	814.4	815.5	811.0	803.0	799.6	803.0	811.0	815.5	814.4	802.8
107.5°	790.0	813.8	838.8	849.1	853.6	854.2	853.6	849.1	838.8	813.8	790.0
110°	744.5	775.8	816.1	840.0	850.2	855.3	850.2	840.0	816.1	775.8	744.5

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	688.8	720.1	767.2	797.4	812.7	821.8	812.7	797.4	767.2	720.1	688.8
115°	638.8	666.1	711.0	745.1	763.3	767.8	763.3	745.1	711.0	666.1	638.8
117.5°	599.6	623.4	663.2	692.8	712.1	714.9	712.1	692.8	663.2	623.4	599.6
120°	573.2	593.3	625.7	650.7	665.5	671.8	665.5	650.7	625.7	593.3	573.2
122.5°	555.8	572.9	599.0	619.5	631.4	637.7	631.4	619.5	599.0	572.9	555.8
125°	543.6	559.2	582.0	598.4	609.2	612.6	609.2	598.4	582.0	559.2	543.6
127.5°	532.0	546.7	569.5	584.2	593.3	596.7	593.3	584.2	569.5	546.7	532.0
130°	518.0	533.1	556.4	570.6	579.7	583.1	579.7	570.6	556.4	533.1	518.0
132.5°	501.6	516.6	539.3	555.8	564.3	567.8	564.3	555.8	539.3	516.6	501.6
135°	482.5	496.7	519.4	535.4	544.5	547.9	544.5	535.4	519.4	496.7	482.5
137.5°	462.0	475.1	496.7	513.2	520.6	524.6	520.6	513.2	496.7	475.1	462.0
140°	442.2	454.1	474.0	486.5	494.4	499.0	494.4	486.5	474.0	454.1	442.2
142.5°	423.6	433.6	450.7	462.0	468.9	471.7	468.9	462.0	450.7	433.6	423.6
145°	407.0	414.9	429.1	438.7	444.4	447.3	444.4	438.7	429.1	414.9	407.0
147.5°	393.0	399.5	410.3	418.9	423.4	424.5	423.4	418.9	410.3	399.5	393.0
150°	380.2	385.3	394.4	401.8	405.2	405.8	405.2	401.8	394.4	385.3	380.2
152.5°	369.4	373.4	380.8	386.5	388.2	388.7	388.2	386.5	380.8	373.4	369.4
155°	359.2	362.6	368.3	372.8	374.5	374.5	374.5	372.8	368.3	362.6	359.2
157.5°	349.5	352.4	356.9	360.3	361.5	361.5	361.5	360.3	356.9	352.4	349.5
160°	339.8	342.1	345.5	348.9	349.5	349.5	349.5	348.9	345.5	342.1	339.8
162.5°	330.5	332.5	334.7	338.2	338.7	338.2	338.7	338.2	334.7	332.5	330.5
165°	322.0	323.4	325.6	327.9	327.4	326.8	327.4	327.9	325.6	323.4	322.0
167.5°	314.5	315.4	316.6	318.3	318.3	317.7	318.3	318.3	316.6	315.4	314.5
170°	307.2	308.0	309.2	309.7	309.2	309.2	309.2	309.7	309.2	308.0	307.2
172.5°	300.6	301.2	301.8	302.3	301.8	300.6	301.8	302.3	301.8	301.2	300.6
175°	295.5	295.5	295.5	296.7	295.5	294.4	295.5	296.7	295.5	295.5	295.5
177.5°	291.8	292.1	291.5	292.1	291.0	289.8	291.0	292.1	291.5	292.1	291.8
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

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°	11.4	10.8	10.2	9.7	10.2	9.1	8.0	8.0	4.5	4.5	4.5
92.5°	80.7	102.3	137.0	185.3	222.8	194.9	141.5	86.4	51.1	43.8	36.4
95°	256.9	333.0	421.1	476.3	463.2	349.5	213.7	120.5	71.0	59.1	47.2
97.5°	500.1	562.6	606.4	597.3	495.6	334.7	194.9	114.8	75.6	65.4	55.1
100°	668.9	696.8	685.4	602.4	456.9	296.7	180.7	116.5	83.0	73.9	64.8
102.5°	766.1	749.0	681.4	559.8	408.6	271.1	176.7	122.2	92.6	84.1	75.6
105°	791.1	734.8	636.5	506.4	372.8	258.6	179.0	131.9	104.6	96.4	88.1
107.5°	766.1	687.7	581.4	462.6	349.5	255.2	185.8	142.1	117.1	108.8	100.6
110°	713.2	630.8	532.5	431.4	338.7	256.3	193.8	154.0	129.0	121.4	113.7

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	657.5	580.8	496.7	413.7	333.6	259.7	202.3	165.4	141.5	133.8	126.2
115°	611.5	545.0	475.1	404.1	332.5	264.3	211.4	177.3	154.6	146.9	139.2
117.5°	575.7	521.7	462.6	399.0	331.9	268.8	220.5	188.7	167.1	159.1	151.2
120°	553.0	507.5	454.7	395.0	331.9	273.9	230.2	200.6	179.0	171.0	163.1
122.5°	538.8	498.4	447.8	390.4	331.3	279.0	239.3	212.0	190.4	182.7	175.0
125°	528.0	488.8	439.9	385.3	330.8	284.2	248.4	222.2	201.8	193.8	185.8
127.5°	517.2	478.0	430.8	378.5	329.6	288.1	256.3	231.9	212.0	204.0	196.1
130°	503.0	464.3	419.4	372.2	329.1	292.7	263.7	241.5	222.2	214.0	205.7
132.5°	486.5	449.0	407.5	366.6	328.5	296.7	271.1	249.5	230.2	222.5	214.8
135°	468.3	433.6	396.7	360.9	327.9	300.6	277.3	256.9	238.1	230.7	223.3
137.5°	449.0	418.9	386.5	355.8	327.9	302.9	281.9	262.6	244.9	237.8	230.7
140°	430.2	404.6	377.9	351.8	327.4	305.8	286.4	268.2	251.2	244.4	237.6
142.5°	413.7	392.7	370.0	348.4	327.4	308.0	289.8	273.4	256.9	250.4	243.8
145°	399.0	381.9	362.6	344.4	326.2	308.6	292.1	276.8	262.0	255.8	249.5
147.5°	386.5	372.2	356.3	341.0	324.5	309.2	294.4	280.8	266.5	260.8	255.2
150°	375.1	363.7	350.7	337.0	322.8	309.2	296.1	283.6	271.1	265.7	260.3
152.5°	365.4	355.2	344.4	332.5	320.0	308.0	297.2	285.9	275.1	270.2	265.4
155°	355.8	347.2	338.2	327.9	317.1	306.9	297.8	288.1	278.5	274.2	270.0
157.5°	346.7	339.3	331.3	323.4	314.3	305.8	297.8	289.8	281.3	277.9	274.5
160°	337.6	331.3	325.1	318.3	310.9	304.1	297.8	291.0	284.2	281.0	277.9
162.5°	328.5	323.9	318.8	313.7	307.5	302.3	297.8	292.1	285.9	283.6	281.3
165°	320.5	316.6	313.1	308.6	304.1	300.1	296.7	292.1	287.0	285.3	283.6
167.5°	313.7	310.3	307.5	304.1	300.6	297.8	295.5	292.1	288.1	286.7	285.3
170°	306.3	304.1	302.3	299.5	297.2	295.5	294.4	291.5	288.7	287.8	287.0
172.5°	300.1	298.9	297.8	295.5	293.8	293.3	293.3	291.0	289.3	288.7	288.1
175°	295.5	294.4	293.8	292.7	291.5	291.5	292.1	290.4	289.3	289.3	289.3
177.5°	291.5	291.5	291.0	290.4	289.8	289.8	291.0	289.8	289.3	289.3	289.3
180°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

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°	4.0	3.4	1.7	0.6
92.5°	26.1	17.6	11.4	8.0
95°	33.5	26.1	20.5	18.8
97.5°	43.2	36.4	31.3	31.3
100°	54.0	47.2	43.2	43.2
102.5°	65.4	59.1	55.7	54.6
105°	77.9	71.0	68.2	66.5
107.5°	90.9	83.5	80.7	79.6
110°	103.4	96.6	93.8	92.6

TEST NUMBER: P1001621

CATALOG NUMBER: SA4XXDIP-B575D590UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	115.9	109.7	106.3	105.1
115°	128.4	122.8	118.8	117.1
117.5°	140.9	134.7	131.3	129.6
120°	153.4	147.2	143.2	142.1
122.5°	164.2	158.6	154.6	153.4
125°	175.0	168.8	165.4	163.1
127.5°	184.7	177.9	173.9	172.2
130°	194.9	186.4	181.9	179.6
132.5°	202.9	194.9	188.7	187.0
135°	211.4	201.8	196.1	193.8
137.5°	218.2	209.1	202.9	200.6
140°	225.6	216.0	209.7	208.0
142.5°	232.4	223.3	217.7	216.0
145°	238.7	230.7	225.1	223.3
147.5°	246.1	237.6	232.4	231.9
150°	251.8	244.9	240.4	239.8
152.5°	258.0	251.8	247.2	247.2
155°	263.7	258.0	254.6	254.0
157.5°	268.8	264.3	260.9	260.9
160°	273.4	269.4	267.1	267.1
162.5°	277.3	273.9	272.2	272.8
165°	280.8	277.9	276.8	276.8
167.5°	283.6	281.3	280.8	281.3
170°	285.9	284.2	283.6	284.2
172.5°	287.6	286.4	286.4	287.0
175°	288.7	288.1	288.1	288.7
177.5°	289.3	288.7	289.3	289.8
180°	289.3	289.3	289.3	289.3

(END OF REPORT)