

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332573

Luminaire Tested: **SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332573
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

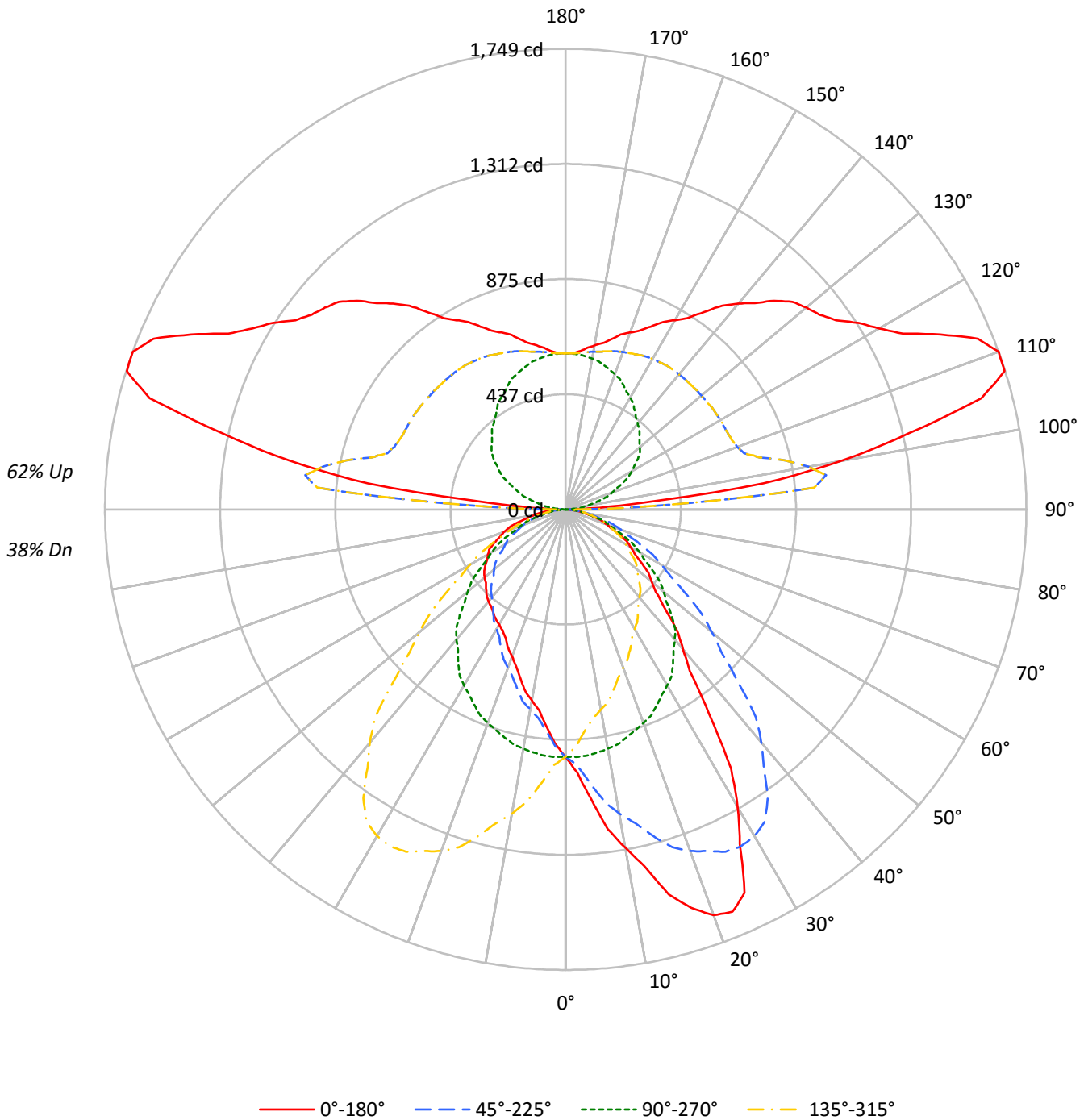
Lumens per Lamp: N/A
Luminaire Lumens: 6896.3 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 49.4
Input Voltage (V): 120
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: 25 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	78	72	67	63	59	55	52	47	44	42	35	34	32	27
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	28	23
4	73	62	54	49	66	57	50	45	46	42	38	37	34	31	28	26	24	20
5	67	55	47	42	60	51	44	39	42	36	33	33	30	27	25	23	21	17
6	61	50	42	36	55	45	38	33	37	32	28	30	26	23	23	20	19	15
7	57	45	37	32	51	41	34	29	34	29	25	27	24	21	21	18	16	14
8	52	41	33	28	48	37	31	26	31	26	22	25	21	18	19	17	15	12
9	49	37	30	25	44	34	27	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.3
10°-20°	282.0	4.1
20°-30°	447.2	6.5
30°-40°	497.7	7.2
40°-50°	453.1	6.6
50°-60°	370.2	5.4
60°-70°	264.3	3.8
70°-80°	145.5	2.1
80°-90°	43.0	0.6
90°-100°	427.2	6.2
100°-110°	889.1	12.9
110°-120°	796.4	11.5
120°-130°	669.9	9.7
130°-140°	558.5	8.1
140°-150°	426.7	6.2
150°-160°	299.9	4.3
160°-170°	176.4	2.6
170°-180°	57.4	0.8
0°-30°	820.8	11.9
0°-40°	1318.5	19.1
0°-60°	2141.8	31.1
0°-90°	2594.7	37.6
90°-120°	2112.7	30.6
90°-150°	3767.8	54.6
90°-180°	4302.0	62.4
0°-180°	6896.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	24	1	24	1	24	21
95°	284	38	284	38	284	440
105°	1635	136	1635	136	1635	1616
115°	1570	239	1570	239	1570	1558
125°	1253	334	1253	334	1253	1138
135°	1120	396	1120	396	1120	865
145°	914	457	914	457	914	580
155°	766	519	766	519	766	357
165°	668	566	668	566	668	191
175°	602	590	602	590	602	59
180°	592	592	592	592	592	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	11.7	12.7	12.9	13.0	13.4	13.7	13.8	13.2	14.2	14.8	15.5
90°	24.4	24.4	25.6	24.4	23.2	23.2	22.1	20.9	19.8	20.9	18.6
92.5°	89.5	89.5	93.4	99.7	113.4	136.7	171.7	228.2	307.0	368.6	322.6
95°	283.5	298.6	319.6	355.6	412.5	525.2	680.9	861.0	973.8	947.0	714.6
97.5°	757.9	782.0	816.9	886.8	970.3	1091.6	1205.2	1272.2	1223.4	997.5	668.8
100°	1065.6	1074.9	1109.7	1180.6	1281.7	1367.7	1424.6	1401.4	1231.7	934.2	606.6
102.5°	1333.3	1340.7	1377.4	1428.8	1490.8	1526.6	1510.1	1394.9	1162.0	855.2	564.7
105°	1634.9	1641.9	1658.2	1667.5	1665.1	1617.5	1502.5	1301.4	1035.3	762.3	528.7
107.5°	1747.0	1743.9	1732.3	1705.8	1648.4	1544.8	1382.8	1168.7	933.1	710.2	522.2
110°	1748.8	1738.4	1717.4	1668.6	1586.1	1458.3	1289.8	1088.8	882.0	692.6	524.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1694.0	1677.0	1647.7	1588.7	1495.0	1367.2	1208.0	1030.2	853.1	684.2	529.6
115°	1569.9	1560.6	1523.4	1453.7	1361.9	1250.3	1114.4	971.4	826.2	679.8	540.3
117.5°	1444.1	1436.9	1399.3	1340.7	1262.4	1167.8	1060.9	942.6	814.1	678.6	551.7
120°	1373.5	1360.7	1330.5	1279.4	1213.1	1130.6	1037.7	929.6	807.6	678.6	560.1
122.5°	1317.7	1304.9	1279.4	1235.7	1179.7	1107.4	1022.8	918.4	800.2	677.7	568.5
125°	1252.6	1245.7	1223.6	1189.9	1143.4	1079.5	999.3	899.4	787.8	676.3	581.0
127.5°	1214.5	1207.6	1189.0	1159.0	1112.3	1051.6	971.7	876.1	771.3	673.7	591.0
130°	1192.2	1185.2	1166.6	1137.6	1090.0	1028.4	949.4	857.6	761.1	672.8	598.4
132.5°	1167.1	1160.1	1142.5	1109.7	1063.0	1001.4	924.3	838.0	751.8	671.9	604.9
135°	1120.2	1113.2	1094.6	1062.1	1015.6	957.5	886.6	811.1	737.9	670.5	614.7
137.5°	1062.1	1053.7	1038.4	1006.3	962.8	910.3	850.6	786.7	725.8	670.2	620.5
140°	1020.2	1010.9	994.7	969.1	928.4	879.6	827.3	772.7	719.3	669.3	625.2
142.5°	975.6	969.1	954.7	931.0	895.0	852.7	807.8	759.7	713.7	669.3	628.9
145°	914.5	908.7	897.1	877.3	848.3	815.7	780.9	741.4	704.2	667.0	631.0
147.5°	860.3	858.3	849.4	832.5	811.1	785.5	757.6	726.3	695.6	662.8	632.1
150°	829.7	828.5	821.5	806.4	787.8	766.9	743.7	717.0	689.1	660.0	632.1
152.5°	801.8	800.6	796.4	784.1	768.3	751.1	729.7	706.7	681.6	655.4	630.3
155°	765.8	765.8	762.3	753.0	741.4	727.4	710.0	691.4	670.5	648.4	627.5
157.5°	734.2	734.2	732.1	725.1	716.3	705.1	690.5	674.9	659.1	641.2	624.5
160°	714.6	714.6	713.5	706.5	699.5	690.2	677.4	664.7	650.7	635.6	621.7
162.5°	696.0	697.0	695.8	688.8	683.7	675.4	665.4	654.4	643.3	630.0	618.9
165°	668.2	669.3	670.5	665.8	661.2	655.4	647.2	640.3	631.0	621.7	613.5
167.5°	646.1	647.0	647.2	644.2	641.9	638.4	631.9	626.6	619.8	613.3	608.0
170°	632.1	632.1	633.3	632.1	629.8	626.3	621.7	618.2	612.4	607.7	604.2
172.5°	618.2	620.0	621.2	620.0	618.6	616.1	613.3	610.7	605.9	602.1	600.5
175°	601.9	604.2	606.6	604.2	604.2	604.2	601.9	600.8	598.4	596.1	596.1
177.5°	592.4	594.2	596.1	595.2	596.1	595.2	595.2	594.2	593.3	592.4	592.4
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	15.1	15.4	13.7	12.4	11.3	10.1	9.1	8.3	9.1	10.1	10.7
90°	16.3	16.3	9.3	9.3	8.1	7.0	3.5	1.2	3.5	7.0	8.1
92.5°	234.7	144.6	85.5	61.4	44.4	30.2	19.3	13.2	19.3	30.2	44.4
95°	436.9	246.3	145.3	96.4	68.6	53.5	41.8	38.3	41.8	53.5	68.6
97.5°	392.8	235.4	157.6	116.7	92.7	78.8	68.8	68.8	68.8	78.8	92.7
100°	369.5	238.2	169.7	132.5	110.4	96.4	88.3	88.3	88.3	96.4	110.4
102.5°	363.0	247.5	185.5	150.1	129.0	116.0	108.8	106.9	108.8	116.0	129.0
105°	366.0	269.6	213.8	180.1	159.2	145.3	139.4	136.0	139.4	145.3	159.2
107.5°	383.2	295.4	244.3	211.0	191.0	176.2	170.3	168.0	170.3	176.2	191.0
110°	396.2	314.9	263.8	232.4	211.5	197.5	191.7	189.4	191.7	197.5	211.5



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	410.2	333.5	284.2	252.9	231.9	218.9	212.2	209.9	212.2	218.9	231.9
115°	432.3	362.5	316.1	284.7	262.6	251.0	242.9	239.4	242.9	251.0	262.6
117.5°	454.8	390.7	346.5	314.0	293.3	280.5	273.3	270.0	273.3	280.5	293.3
120°	470.6	410.2	366.0	333.5	313.7	301.0	292.8	290.5	292.8	301.0	313.7
122.5°	485.5	428.8	384.6	353.0	331.4	319.6	311.4	309.1	311.4	319.6	331.4
125°	507.8	454.3	412.5	380.0	357.9	345.1	338.1	333.5	338.1	345.1	357.9
127.5°	527.1	478.0	437.6	404.8	381.8	367.2	358.8	355.1	358.8	367.2	381.8
130°	539.2	493.9	454.3	420.6	398.6	381.1	371.8	367.2	371.8	381.1	398.6
132.5°	551.3	506.9	467.4	435.5	411.6	395.1	383.0	379.3	383.0	395.1	411.6
135°	567.1	525.2	486.9	456.7	432.3	412.5	400.9	396.2	400.9	412.5	432.3
137.5°	578.2	539.2	503.4	474.6	449.2	430.4	417.6	413.2	417.6	430.4	449.2
140°	585.6	548.5	513.6	485.7	461.3	441.6	428.8	425.3	428.8	441.6	461.3
142.5°	591.2	556.8	522.9	495.9	472.5	453.6	441.8	438.3	441.8	453.6	472.5
145°	597.3	565.9	535.7	510.1	488.0	471.8	460.2	456.7	460.2	471.8	488.0
147.5°	602.6	575.2	546.8	523.8	505.5	488.7	478.5	477.3	478.5	488.7	505.5
150°	605.4	579.8	554.3	532.2	514.8	500.8	491.5	490.4	491.5	500.8	514.8
152.5°	607.3	583.6	560.8	540.6	525.0	512.0	502.7	502.4	502.7	512.0	525.0
155°	608.9	589.1	569.4	552.0	539.2	527.5	520.6	519.4	520.6	527.5	539.2
157.5°	608.9	593.1	576.4	562.6	551.5	542.4	535.9	535.9	535.9	542.4	551.5
160°	608.9	594.9	581.0	568.2	558.9	550.8	546.1	546.1	546.1	550.8	558.9
162.5°	608.9	596.8	583.8	573.8	565.4	558.2	554.5	555.4	554.5	558.2	565.4
165°	606.6	597.3	586.8	579.8	574.0	568.2	565.9	565.9	565.9	568.2	574.0
167.5°	603.8	597.0	589.4	584.0	580.8	576.4	575.2	576.4	575.2	576.4	580.8
170°	601.9	596.1	590.3	586.8	584.5	581.0	579.8	581.0	579.8	581.0	584.5
172.5°	600.1	595.2	591.2	588.7	587.3	584.7	584.5	585.6	584.5	584.7	587.3
175°	597.3	593.8	591.5	591.5	590.3	589.1	589.1	590.3	589.1	589.1	590.3
177.5°	594.2	592.4	591.5	591.5	591.5	590.5	591.5	592.4	591.5	590.5	591.5
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	11.8	11.8	14.5	15.1	16.5	18.5	18.9	22.5	24.0	25.8	28.6
90°	9.3	9.3	16.3	16.3	18.6	20.9	19.8	20.9	22.1	23.2	23.2
92.5°	61.4	85.5	144.6	234.7	322.6	368.6	307.0	228.2	171.7	136.7	113.4
95°	96.4	145.3	246.3	436.9	714.6	947.0	973.8	861.0	680.9	525.2	412.5
97.5°	116.7	157.6	235.4	392.8	668.8	997.5	1223.4	1272.2	1205.2	1091.6	970.3
100°	132.5	169.7	238.2	369.5	606.6	934.2	1231.7	1401.4	1424.6	1367.7	1281.7
102.5°	150.1	185.5	247.5	363.0	564.7	855.2	1162.0	1394.9	1510.1	1526.6	1490.8
105°	180.1	213.8	269.6	366.0	528.7	762.3	1035.3	1301.4	1502.5	1617.5	1665.1
107.5°	211.0	244.3	295.4	383.2	522.2	710.2	933.1	1168.7	1382.8	1544.8	1648.4
110°	232.4	263.8	314.9	396.2	524.1	692.6	882.0	1088.8	1289.8	1458.3	1586.1



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	252.9	284.2	333.5	410.2	529.6	684.2	853.1	1030.2	1208.0	1367.2	1495.0
115°	284.7	316.1	362.5	432.3	540.3	679.8	826.2	971.4	1114.4	1250.3	1361.9
117.5°	314.0	346.5	390.7	454.8	551.7	678.6	814.1	942.6	1060.9	1167.8	1262.4
120°	333.5	366.0	410.2	470.6	560.1	678.6	807.6	929.6	1037.7	1130.6	1213.1
122.5°	353.0	384.6	428.8	485.5	568.5	677.7	800.2	918.4	1022.8	1107.4	1179.7
125°	380.0	412.5	454.3	507.8	581.0	676.3	787.8	899.4	999.3	1079.5	1143.4
127.5°	404.8	437.6	478.0	527.1	591.0	673.7	771.3	876.1	971.7	1051.6	1112.3
130°	420.6	454.3	493.9	539.2	598.4	672.8	761.1	857.6	949.4	1028.4	1090.0
132.5°	435.5	467.4	506.9	551.3	604.9	671.9	751.8	838.0	924.3	1001.4	1063.0
135°	456.7	486.9	525.2	567.1	614.7	670.5	737.9	811.1	886.6	957.5	1015.6
137.5°	474.6	503.4	539.2	578.2	620.5	670.2	725.8	786.7	850.6	910.3	962.8
140°	485.7	513.6	548.5	585.6	625.2	669.3	719.3	772.7	827.3	879.6	928.4
142.5°	495.9	522.9	556.8	591.2	628.9	669.3	713.7	759.7	807.8	852.7	895.0
145°	510.1	535.7	565.9	597.3	631.0	667.0	704.2	741.4	780.9	815.7	848.3
147.5°	523.8	546.8	575.2	602.6	632.1	662.8	695.6	726.3	757.6	785.5	811.1
150°	532.2	554.3	579.8	605.4	632.1	660.0	689.1	717.0	743.7	766.9	787.8
152.5°	540.6	560.8	583.6	607.3	630.3	655.4	681.6	706.7	729.7	751.1	768.3
155°	552.0	569.4	589.1	608.9	627.5	648.4	670.5	691.4	710.0	727.4	741.4
157.5°	562.6	576.4	593.1	608.9	624.5	641.2	659.1	674.9	690.5	705.1	716.3
160°	568.2	581.0	594.9	608.9	621.7	635.6	650.7	664.7	677.4	690.2	699.5
162.5°	573.8	583.8	596.8	608.9	618.9	630.0	643.3	654.4	665.4	675.4	683.7
165°	579.8	586.8	597.3	606.6	613.5	621.7	631.0	640.3	647.2	655.4	661.2
167.5°	584.0	589.4	597.0	603.8	608.0	613.3	619.8	626.6	631.9	638.4	641.9
170°	586.8	590.3	596.1	601.9	604.2	607.7	612.4	618.2	621.7	626.3	629.8
172.5°	588.7	591.2	595.2	600.1	600.5	602.1	605.9	610.7	613.3	616.1	618.6
175°	591.5	591.5	593.8	597.3	596.1	596.1	598.4	600.8	601.9	604.2	604.2
177.5°	591.5	591.5	592.4	594.2	592.4	592.4	593.3	594.2	595.2	595.2	596.1
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	29.8	30.3	31.0	31.6	31.0	30.3	29.8	28.6	25.8	24.0	22.5
90°	24.4	25.6	24.4	24.4	24.4	25.6	24.4	23.2	23.2	22.1	20.9
92.5°	99.7	93.4	89.5	89.5	89.5	93.4	99.7	113.4	136.7	171.7	228.2
95°	355.6	319.6	298.6	283.5	298.6	319.6	355.6	412.5	525.2	680.9	861.0
97.5°	886.8	816.9	782.0	757.9	782.0	816.9	886.8	970.3	1091.6	1205.2	1272.2
100°	1180.6	1109.7	1074.9	1065.6	1074.9	1109.7	1180.6	1281.7	1367.7	1424.6	1401.4
102.5°	1428.8	1377.4	1340.7	1333.3	1340.7	1377.4	1428.8	1490.8	1526.6	1510.1	1394.9
105°	1667.5	1658.2	1641.9	1634.9	1641.9	1658.2	1667.5	1665.1	1617.5	1502.5	1301.4
107.5°	1705.8	1732.3	1743.9	1747.0	1743.9	1732.3	1705.8	1648.4	1544.8	1382.8	1168.7
110°	1668.6	1717.4	1738.4	1748.8	1738.4	1717.4	1668.6	1586.1	1458.3	1289.8	1088.8



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1588.7	1647.7	1677.0	1694.0	1677.0	1647.7	1588.7	1495.0	1367.2	1208.0	1030.2
115°	1453.7	1523.4	1560.6	1569.9	1560.6	1523.4	1453.7	1361.9	1250.3	1114.4	971.4
117.5°	1340.7	1399.3	1436.9	1444.1	1436.9	1399.3	1340.7	1262.4	1167.8	1060.9	942.6
120°	1279.4	1330.5	1360.7	1373.5	1360.7	1330.5	1279.4	1213.1	1130.6	1037.7	929.6
122.5°	1235.7	1279.4	1304.9	1317.7	1304.9	1279.4	1235.7	1179.7	1107.4	1022.8	918.4
125°	1189.9	1223.6	1245.7	1252.6	1245.7	1223.6	1189.9	1143.4	1079.5	999.3	899.4
127.5°	1159.0	1189.0	1207.6	1214.5	1207.6	1189.0	1159.0	1112.3	1051.6	971.7	876.1
130°	1137.6	1166.6	1185.2	1192.2	1185.2	1166.6	1137.6	1090.0	1028.4	949.4	857.6
132.5°	1109.7	1142.5	1160.1	1167.1	1160.1	1142.5	1109.7	1063.0	1001.4	924.3	838.0
135°	1062.1	1094.6	1113.2	1120.2	1113.2	1094.6	1062.1	1015.6	957.5	886.6	811.1
137.5°	1006.3	1038.4	1053.7	1062.1	1053.7	1038.4	1006.3	962.8	910.3	850.6	786.7
140°	969.1	994.7	1010.9	1020.2	1010.9	994.7	969.1	928.4	879.6	827.3	772.7
142.5°	931.0	954.7	969.1	975.6	969.1	954.7	931.0	895.0	852.7	807.8	759.7
145°	877.3	897.1	908.7	914.5	908.7	897.1	877.3	848.3	815.7	780.9	741.4
147.5°	832.5	849.4	858.3	860.3	858.3	849.4	832.5	811.1	785.5	757.6	726.3
150°	806.4	821.5	828.5	829.7	828.5	821.5	806.4	787.8	766.9	743.7	717.0
152.5°	784.1	796.4	800.6	801.8	800.6	796.4	784.1	768.3	751.1	729.7	706.7
155°	753.0	762.3	765.8	765.8	765.8	762.3	753.0	741.4	727.4	710.0	691.4
157.5°	725.1	732.1	734.2	734.2	734.2	732.1	725.1	716.3	705.1	690.5	674.9
160°	706.5	713.5	714.6	714.6	714.6	713.5	706.5	699.5	690.2	677.4	664.7
162.5°	688.8	695.8	697.0	696.0	697.0	695.8	688.8	683.7	675.4	665.4	654.4
165°	665.8	670.5	669.3	668.2	669.3	670.5	665.8	661.2	655.4	647.2	640.3
167.5°	644.2	647.2	647.0	646.1	647.0	647.2	644.2	641.9	638.4	631.9	626.6
170°	632.1	633.3	632.1	632.1	632.1	633.3	632.1	629.8	626.3	621.7	618.2
172.5°	620.0	621.2	620.0	618.2	620.0	621.2	620.0	618.6	616.1	613.3	610.7
175°	604.2	606.6	604.2	601.9	604.2	606.6	604.2	604.2	604.2	601.9	600.8
177.5°	595.2	596.1	594.2	592.4	594.2	596.1	595.2	596.1	595.2	595.2	594.2
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332573

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	18.9	18.5	16.5	15.1	14.5	11.8	11.8	10.7	10.1	9.1	8.3
90°	19.8	20.9	18.6	16.3	16.3	9.3	9.3	8.1	7.0	3.5	1.2
92.5°	307.0	368.6	322.6	234.7	144.6	85.5	61.4	44.4	30.2	19.3	13.2
95°	973.8	947.0	714.6	436.9	246.3	145.3	96.4	68.6	53.5	41.8	38.3
97.5°	1223.4	997.5	668.8	392.8	235.4	157.6	116.7	92.7	78.8	68.8	68.8
100°	1231.7	934.2	606.6	369.5	238.2	169.7	132.5	110.4	96.4	88.3	88.3
102.5°	1162.0	855.2	564.7	363.0	247.5	185.5	150.1	129.0	116.0	108.8	106.9
105°	1035.3	762.3	528.7	366.0	269.6	213.8	180.1	159.2	145.3	139.4	136.0
107.5°	933.1	710.2	522.2	383.2	295.4	244.3	211.0	191.0	176.2	170.3	168.0
110°	882.0	692.6	524.1	396.2	314.9	263.8	232.4	211.5	197.5	191.7	189.4



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	853.1	684.2	529.6	410.2	333.5	284.2	252.9	231.9	218.9	212.2	209.9
115°	826.2	679.8	540.3	432.3	362.5	316.1	284.7	262.6	251.0	242.9	239.4
117.5°	814.1	678.6	551.7	454.8	390.7	346.5	314.0	293.3	280.5	273.3	270.0
120°	807.6	678.6	560.1	470.6	410.2	366.0	333.5	313.7	301.0	292.8	290.5
122.5°	800.2	677.7	568.5	485.5	428.8	384.6	353.0	331.4	319.6	311.4	309.1
125°	787.8	676.3	581.0	507.8	454.3	412.5	380.0	357.9	345.1	338.1	333.5
127.5°	771.3	673.7	591.0	527.1	478.0	437.6	404.8	381.8	367.2	358.8	355.1
130°	761.1	672.8	598.4	539.2	493.9	454.3	420.6	398.6	381.1	371.8	367.2
132.5°	751.8	671.9	604.9	551.3	506.9	467.4	435.5	411.6	395.1	383.0	379.3
135°	737.9	670.5	614.7	567.1	525.2	486.9	456.7	432.3	412.5	400.9	396.2
137.5°	725.8	670.2	620.5	578.2	539.2	503.4	474.6	449.2	430.4	417.6	413.2
140°	719.3	669.3	625.2	585.6	548.5	513.6	485.7	461.3	441.6	428.8	425.3
142.5°	713.7	669.3	628.9	591.2	556.8	522.9	495.9	472.5	453.6	441.8	438.3
145°	704.2	667.0	631.0	597.3	565.9	535.7	510.1	488.0	471.8	460.2	456.7
147.5°	695.6	662.8	632.1	602.6	575.2	546.8	523.8	505.5	488.7	478.5	477.3
150°	689.1	660.0	632.1	605.4	579.8	554.3	532.2	514.8	500.8	491.5	490.4
152.5°	681.6	655.4	630.3	607.3	583.6	560.8	540.6	525.0	512.0	502.7	502.4
155°	670.5	648.4	627.5	608.9	589.1	569.4	552.0	539.2	527.5	520.6	519.4
157.5°	659.1	641.2	624.5	608.9	593.1	576.4	562.6	551.5	542.4	535.9	535.9
160°	650.7	635.6	621.7	608.9	594.9	581.0	568.2	558.9	550.8	546.1	546.1
162.5°	643.3	630.0	618.9	608.9	596.8	583.8	573.8	565.4	558.2	554.5	555.4
165°	631.0	621.7	613.5	606.6	597.3	586.8	579.8	574.0	568.2	565.9	565.9
167.5°	619.8	613.3	608.0	603.8	597.0	589.4	584.0	580.8	576.4	575.2	576.4
170°	612.4	607.7	604.2	601.9	596.1	590.3	586.8	584.5	581.0	579.8	581.0
172.5°	605.9	602.1	600.5	600.1	595.2	591.2	588.7	587.3	584.7	584.5	585.6
175°	598.4	596.1	596.1	597.3	593.8	591.5	591.5	590.3	589.1	589.1	590.3
177.5°	593.3	592.4	592.4	594.2	592.4	591.5	591.5	591.5	590.5	591.5	592.4
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332573

CATALOG NUMBER: SA4XXDIP-C575D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	9.1	10.1	11.3	12.4	13.7	15.4	15.1	15.5	14.8	14.2	13.2
90°	3.5	7.0	8.1	9.3	9.3	16.3	16.3	18.6	20.9	19.8	20.9
92.5°	19.3	30.2	44.4	61.4	85.5	144.6	234.7	322.6	368.6	307.0	228.2
95°	41.8	53.5	68.6	96.4	145.3	246.3	436.9	714.6	947.0	973.8	861.0
97.5°	68.8	78.8	92.7	116.7	157.6	235.4	392.8	668.8	997.5	1223.4	1272.2
100°	88.3	96.4	110.4	132.5	169.7	238.2	369.5	606.6	934.2	1231.7	1401.4
102.5°	108.8	116.0	129.0	150.1	185.5	247.5	363.0	564.7	855.2	1162.0	1394.9
105°	139.4	145.3	159.2	180.1	213.8	269.6	366.0	528.7	762.3	1035.3	1301.4
107.5°	170.3	176.2	191.0	211.0	244.3	295.4	383.2	522.2	710.2	933.1	1168.7
110°	191.7	197.5	211.5	232.4	263.8	314.9	396.2	524.1	692.6	882.0	1088.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	212.2	218.9	231.9	252.9	284.2	333.5	410.2	529.6	684.2	853.1	1030.2
115°	242.9	251.0	262.6	284.7	316.1	362.5	432.3	540.3	679.8	826.2	971.4
117.5°	273.3	280.5	293.3	314.0	346.5	390.7	454.8	551.7	678.6	814.1	942.6
120°	292.8	301.0	313.7	333.5	366.0	410.2	470.6	560.1	678.6	807.6	929.6
122.5°	311.4	319.6	331.4	353.0	384.6	428.8	485.5	568.5	677.7	800.2	918.4
125°	338.1	345.1	357.9	380.0	412.5	454.3	507.8	581.0	676.3	787.8	899.4
127.5°	358.8	367.2	381.8	404.8	437.6	478.0	527.1	591.0	673.7	771.3	876.1
130°	371.8	381.1	398.6	420.6	454.3	493.9	539.2	598.4	672.8	761.1	857.6
132.5°	383.0	395.1	411.6	435.5	467.4	506.9	551.3	604.9	671.9	751.8	838.0
135°	400.9	412.5	432.3	456.7	486.9	525.2	567.1	614.7	670.5	737.9	811.1
137.5°	417.6	430.4	449.2	474.6	503.4	539.2	578.2	620.5	670.2	725.8	786.7
140°	428.8	441.6	461.3	485.7	513.6	548.5	585.6	625.2	669.3	719.3	772.7
142.5°	441.8	453.6	472.5	495.9	522.9	556.8	591.2	628.9	669.3	713.7	759.7
145°	460.2	471.8	488.0	510.1	535.7	565.9	597.3	631.0	667.0	704.2	741.4
147.5°	478.5	488.7	505.5	523.8	546.8	575.2	602.6	632.1	662.8	695.6	726.3
150°	491.5	500.8	514.8	532.2	554.3	579.8	605.4	632.1	660.0	689.1	717.0
152.5°	502.7	512.0	525.0	540.6	560.8	583.6	607.3	630.3	655.4	681.6	706.7
155°	520.6	527.5	539.2	552.0	569.4	589.1	608.9	627.5	648.4	670.5	691.4
157.5°	535.9	542.4	551.5	562.6	576.4	593.1	608.9	624.5	641.2	659.1	674.9
160°	546.1	550.8	558.9	568.2	581.0	594.9	608.9	621.7	635.6	650.7	664.7
162.5°	554.5	558.2	565.4	573.8	583.8	596.8	608.9	618.9	630.0	643.3	654.4
165°	565.9	568.2	574.0	579.8	586.8	597.3	606.6	613.5	621.7	631.0	640.3
167.5°	575.2	576.4	580.8	584.0	589.4	597.0	603.8	608.0	613.3	619.8	626.6
170°	579.8	581.0	584.5	586.8	590.3	596.1	601.9	604.2	607.7	612.4	618.2
172.5°	584.5	584.7	587.3	588.7	591.2	595.2	600.1	600.5	602.1	605.9	610.7
175°	589.1	589.1	590.3	591.5	591.5	593.8	597.3	596.1	596.1	598.4	600.8
177.5°	591.5	590.5	591.5	591.5	591.5	592.4	594.2	592.4	592.4	593.3	594.2
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	13.8	13.7	13.4	13.0	12.9	12.7	11.7
90°	22.1	23.2	23.2	24.4	25.6	24.4	24.4
92.5°	171.7	136.7	113.4	99.7	93.4	89.5	89.5
95°	680.9	525.2	412.5	355.6	319.6	298.6	283.5
97.5°	1205.2	1091.6	970.3	886.8	816.9	782.0	757.9
100°	1424.6	1367.7	1281.7	1180.6	1109.7	1074.9	1065.6
102.5°	1510.1	1526.6	1490.8	1428.8	1377.4	1340.7	1333.3
105°	1502.5	1617.5	1665.1	1667.5	1658.2	1641.9	1634.9
107.5°	1382.8	1544.8	1648.4	1705.8	1732.3	1743.9	1747.0
110°	1289.8	1458.3	1586.1	1668.6	1717.4	1738.4	1748.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1208.0	1367.2	1495.0	1588.7	1647.7	1677.0	1694.0
115°	1114.4	1250.3	1361.9	1453.7	1523.4	1560.6	1569.9
117.5°	1060.9	1167.8	1262.4	1340.7	1399.3	1436.9	1444.1
120°	1037.7	1130.6	1213.1	1279.4	1330.5	1360.7	1373.5
122.5°	1022.8	1107.4	1179.7	1235.7	1279.4	1304.9	1317.7
125°	999.3	1079.5	1143.4	1189.9	1223.6	1245.7	1252.6
127.5°	971.7	1051.6	1112.3	1159.0	1189.0	1207.6	1214.5
130°	949.4	1028.4	1090.0	1137.6	1166.6	1185.2	1192.2
132.5°	924.3	1001.4	1063.0	1109.7	1142.5	1160.1	1167.1
135°	886.6	957.5	1015.6	1062.1	1094.6	1113.2	1120.2
137.5°	850.6	910.3	962.8	1006.3	1038.4	1053.7	1062.1
140°	827.3	879.6	928.4	969.1	994.7	1010.9	1020.2
142.5°	807.8	852.7	895.0	931.0	954.7	969.1	975.6
145°	780.9	815.7	848.3	877.3	897.1	908.7	914.5
147.5°	757.6	785.5	811.1	832.5	849.4	858.3	860.3
150°	743.7	766.9	787.8	806.4	821.5	828.5	829.7
152.5°	729.7	751.1	768.3	784.1	796.4	800.6	801.8
155°	710.0	727.4	741.4	753.0	762.3	765.8	765.8
157.5°	690.5	705.1	716.3	725.1	732.1	734.2	734.2
160°	677.4	690.2	699.5	706.5	713.5	714.6	714.6
162.5°	665.4	675.4	683.7	688.8	695.8	697.0	696.0
165°	647.2	655.4	661.2	665.8	670.5	669.3	668.2
167.5°	631.9	638.4	641.9	644.2	647.2	647.0	646.1
170°	621.7	626.3	629.8	632.1	633.3	632.1	632.1
172.5°	613.3	616.1	618.6	620.0	621.2	620.0	618.2
175°	601.9	604.2	604.2	604.2	606.6	604.2	601.9
177.5°	595.2	595.2	596.1	595.2	596.1	594.2	592.4
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5

(END OF REPORT)