

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: P332573-840

Luminaire Tested: **SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332573-840
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-C575D1205U840-4F0-1E-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

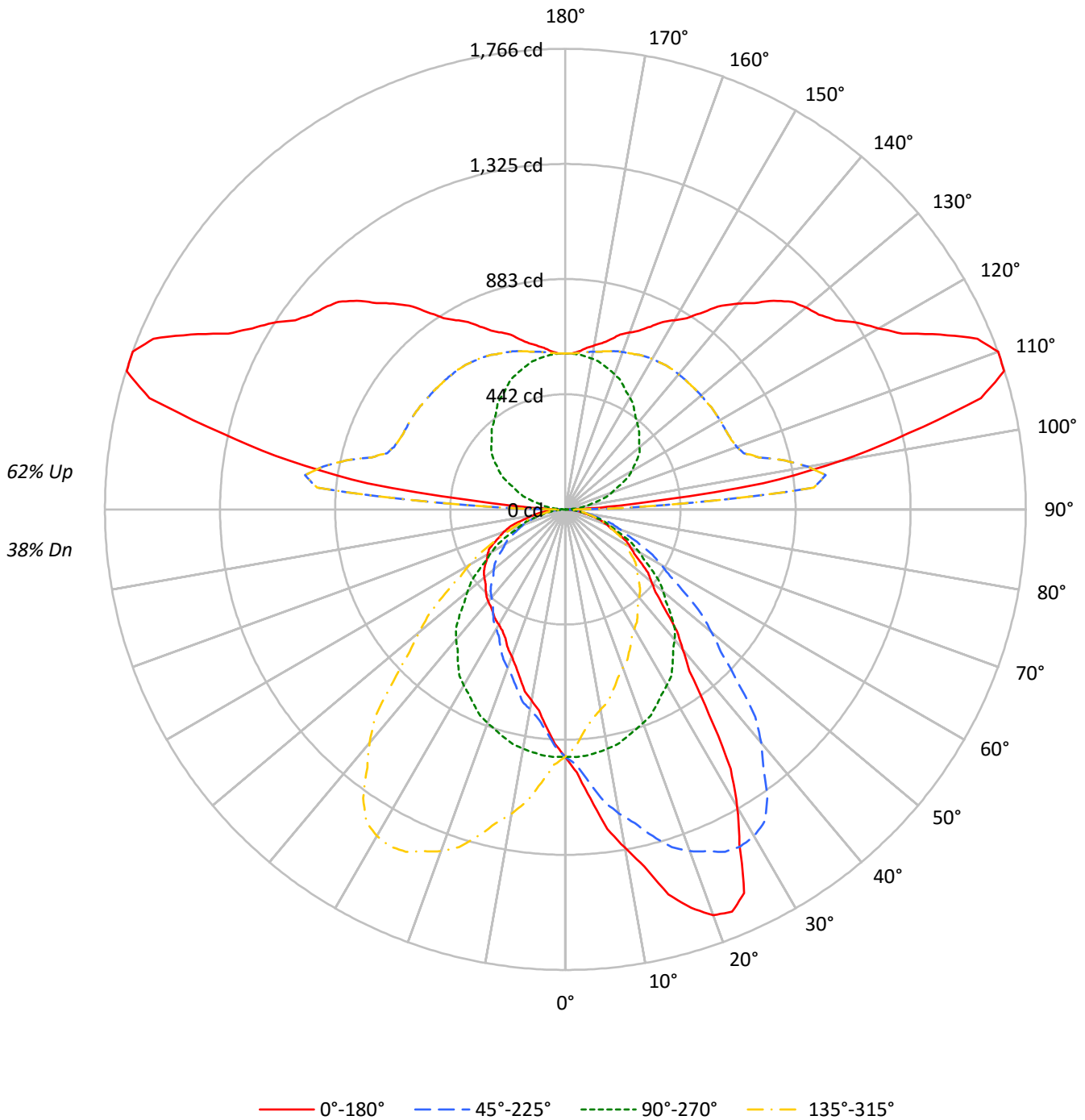
Lumens per Lamp: N/A
Luminaire Lumens: 6964.3 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

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°	7657	7657	7657	7657
5°	9018	7678	6776	7678
10°	10797	7643	6101	7643
15°	12774	7565	5602	7565
20°	14225	7487	5158	7487
25°	14455	7371	4851	7371
30°	12299	7260	4754	7260
35°	9456	7078	4755	7078
40°	7371	6866	4845	6866
45°	6146	6545	4925	6545
50°	5408	6154	5093	6154
55°	4954	5685	5298	5685
60°	4644	5265	5546	5265
65°	4323	4797	5748	4797
70°	3949	4331	5880	4331
75°	3531	3812	5808	3812
80°	2957	3124	5625	3124
85°	2177	2251	5391	2251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.3
10°-20°	284.8	4.1
20°-30°	451.7	6.5
30°-40°	502.6	7.2
40°-50°	457.5	6.6
50°-60°	373.9	5.4
60°-70°	266.9	3.8
70°-80°	147.0	2.1
80°-90°	43.4	0.6
90°-100°	431.4	6.2
100°-110°	897.9	12.9
110°-120°	804.2	11.5
120°-130°	676.5	9.7
130°-140°	564.1	8.1
140°-150°	430.9	6.2
150°-160°	302.9	4.3
160°-170°	178.2	2.6
170°-180°	58.0	0.8
0°-30°	828.9	11.9
0°-40°	1331.5	19.1
0°-60°	2162.9	31.1
0°-90°	2620.3	37.6
90°-120°	2133.5	30.6
90°-150°	3805.0	54.6
90°-180°	4344.0	62.4
0°-180°	6964.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	948	948	948	948	948	
5°	1113	947	836	947	1113	113
15°	1528	905	670	905	1528	432
25°	1623	828	545	828	1623	715
35°	960	718	482	718	960	609
45°	538	573	431	573	538	424
55°	352	404	376	404	352	318
65°	226	251	301	251	226	224
75°	113	122	186	122	113	120
85°	24	24	58	24	24	29
90°	25	1	25	1	25	21
95°	286	39	286	39	286	444
105°	1651	137	1651	137	1651	1632
115°	1585	242	1585	242	1585	1574
125°	1265	337	1265	337	1265	1149
135°	1131	400	1131	400	1131	873
145°	924	461	924	461	924	585
155°	773	524	773	524	773	361
165°	675	572	675	572	675	193
175°	608	596	608	596	608	59
180°	597	597	597	597	597	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	1009.5	1009.2	1006.0	1005.4	1003.2	1000.4	999.8	994.7	984.6	980.0	978.7
5°	1112.8	1120.6	1110.3	1108.4	1107.2	1094.3	1087.6	1079.7	1061.7	1051.1	1042.8
7.5°	1236.0	1236.9	1232.4	1228.8	1218.8	1207.5	1190.5	1172.5	1150.9	1128.5	1111.7
10°	1317.1	1320.2	1315.1	1314.3	1294.2	1281.7	1256.6	1235.4	1210.9	1183.9	1159.1
12.5°	1402.6	1398.2	1395.5	1378.8	1375.0	1352.1	1322.9	1301.0	1263.4	1232.2	1199.3
15°	1528.4	1519.8	1514.3	1491.2	1479.8	1447.9	1416.8	1392.9	1343.8	1297.1	1261.6
17.5°	1602.4	1610.9	1598.2	1588.7	1559.2	1536.9	1505.2	1454.9	1416.4	1358.4	1313.7
20°	1655.8	1656.6	1649.5	1639.6	1616.5	1588.2	1553.6	1498.6	1452.6	1394.8	1333.5
22.5°	1670.2	1670.4	1667.4	1658.2	1640.6	1617.7	1582.9	1536.9	1481.3	1418.5	1357.2
25°	1622.8	1621.2	1624.8	1635.0	1628.3	1621.2	1601.1	1567.0	1515.1	1448.7	1382.7
27.5°	1446.4	1457.2	1477.2	1502.4	1526.6	1545.0	1550.2	1543.3	1511.1	1456.4	1387.4
30°	1319.4	1332.8	1347.7	1372.9	1421.6	1449.5	1480.2	1503.3	1490.4	1446.7	1382.3
32.5°	1179.8	1183.2	1205.3	1234.0	1278.6	1332.2	1380.8	1427.8	1443.5	1420.7	1366.9
35°	959.5	965.0	989.0	1017.2	1071.9	1137.5	1210.6	1275.8	1329.7	1351.3	1323.7
37.5°	783.0	798.8	815.7	846.1	894.2	953.3	1029.3	1113.6	1193.9	1247.6	1256.7
40°	699.4	709.2	721.4	744.6	785.5	843.6	908.8	1005.5	1090.8	1167.8	1193.0
42.5°	633.4	639.1	646.6	667.5	698.7	756.5	816.1	901.1	986.7	1078.8	1121.0
45°	538.3	544.2	556.7	569.0	592.5	632.6	688.0	757.9	843.9	932.8	1010.6
47.5°	469.6	473.4	480.9	493.9	513.9	540.4	585.4	643.8	723.6	809.8	892.7
50°	430.6	433.7	439.7	451.5	466.8	490.4	527.3	581.9	644.4	731.2	812.5
52.5°	399.8	401.1	405.5	413.4	425.7	445.5	475.7	520.9	579.1	656.4	737.4
55°	352.0	353.7	357.6	363.5	374.1	386.7	409.8	443.6	494.3	561.5	631.8
57.5°	312.8	313.9	317.2	319.4	328.2	338.4	356.2	380.3	418.8	475.7	538.6
60°	287.6	286.8	290.7	292.8	298.6	307.3	321.0	344.2	377.6	423.5	481.3
62.5°	263.1	262.0	265.3	267.9	271.2	278.6	289.9	308.0	335.2	376.8	426.7
65°	226.3	224.8	226.7	229.8	233.0	236.9	245.2	261.3	282.9	312.8	350.8
67.5°	189.3	191.1	191.4	192.9	194.7	200.1	205.7	217.1	232.4	256.3	288.5
70°	167.3	167.7	169.4	169.4	170.6	175.2	180.0	186.6	201.6	223.6	249.9
72.5°	145.4	147.0	146.4	147.6	148.6	151.7	155.1	161.5	174.2	190.6	212.8
75°	113.2	114.3	114.3	114.7	115.9	117.0	119.9	124.5	133.6	145.7	161.1
77.5°	82.5	82.7	83.2	84.6	84.6	86.5	88.6	92.3	96.8	105.1	114.5
80°	63.6	64.4	64.0	64.8	64.8	66.4	67.2	71.9	73.8	79.4	86.8
82.5°	46.7	47.5	47.4	48.5	49.1	49.4	50.5	52.4	54.3	59.3	62.3
85°	23.5	24.3	23.5	24.3	25.5	26.0	27.1	27.5	29.1	30.3	33.0
87.5°	11.8	12.8	13.0	13.1	13.5	13.8	13.9	13.3	14.3	14.9	15.7
90°	24.6	24.6	25.9	24.6	23.4	23.4	22.3	21.1	20.0	21.1	18.8
92.5°	90.4	90.4	94.3	100.7	114.5	138.0	173.4	230.5	310.0	372.2	325.8
95°	286.3	301.5	322.8	359.1	416.6	530.4	687.6	869.5	983.4	956.3	721.6
97.5°	765.4	789.7	825.0	895.5	979.9	1102.4	1217.1	1284.8	1235.5	1007.3	675.4
100°	1076.1	1085.5	1120.6	1192.2	1294.3	1381.2	1438.7	1415.2	1243.9	943.4	612.6
102.5°	1346.5	1353.9	1391.0	1442.9	1505.5	1541.7	1525.0	1408.7	1173.5	863.6	570.3
105°	1651.0	1658.1	1674.6	1683.9	1681.5	1633.5	1517.3	1314.2	1045.5	769.8	533.9
107.5°	1764.2	1761.1	1749.4	1722.6	1664.7	1560.0	1396.4	1180.2	942.3	717.2	527.4
110°	1766.1	1755.5	1734.3	1685.1	1601.7	1472.7	1302.5	1099.5	890.7	699.4	529.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1710.7	1693.5	1664.0	1604.4	1509.7	1380.7	1219.9	1040.4	861.5	690.9	534.8
115°	1585.4	1576.0	1538.4	1468.0	1375.3	1262.6	1125.4	981.0	834.4	686.5	545.6
117.5°	1458.3	1451.1	1413.1	1353.9	1274.9	1179.3	1071.4	951.9	822.1	685.3	557.1
120°	1387.0	1374.1	1343.6	1292.0	1225.1	1141.8	1047.9	938.8	815.6	685.3	565.6
122.5°	1330.7	1317.8	1292.0	1247.9	1191.3	1118.3	1032.9	927.5	808.1	684.4	574.1
125°	1265.0	1258.0	1235.7	1201.6	1154.7	1090.1	1009.2	908.3	795.6	683.0	586.7
127.5°	1226.5	1219.5	1200.7	1170.4	1123.3	1062.0	981.3	884.7	778.9	680.3	596.8
130°	1204.0	1196.9	1178.1	1148.8	1100.8	1038.5	958.8	866.1	768.6	679.4	604.3
132.5°	1178.6	1171.5	1153.8	1120.6	1073.5	1011.3	933.4	846.3	759.2	678.5	610.9
135°	1131.3	1124.2	1105.4	1072.6	1025.6	966.9	895.3	819.1	745.2	677.1	620.8
137.5°	1072.6	1064.1	1048.6	1016.2	972.3	919.3	859.0	794.5	733.0	676.8	626.6
140°	1030.3	1020.9	1004.5	978.7	937.6	888.3	835.5	780.3	726.4	675.9	631.4
142.5°	985.2	978.7	964.1	940.2	903.8	861.1	815.8	767.2	720.7	675.9	635.1
145°	923.5	917.7	905.9	886.0	856.7	823.7	788.6	748.7	711.1	673.6	637.2
147.5°	868.8	866.8	857.8	840.7	819.1	793.2	765.1	733.5	702.5	669.3	638.3
150°	837.9	836.7	829.6	814.4	795.6	774.5	751.0	724.1	695.9	666.5	638.3
152.5°	809.7	808.5	804.3	791.8	775.9	758.5	736.9	713.7	688.3	661.9	636.5
155°	773.4	773.4	769.8	760.4	748.7	734.6	717.0	698.2	677.1	654.8	633.7
157.5°	741.4	741.4	739.3	732.3	723.4	712.1	697.3	681.6	665.6	647.5	630.7
160°	721.6	721.6	720.5	713.5	706.4	697.0	684.1	671.3	657.1	641.9	627.8
162.5°	702.9	703.9	702.7	695.6	690.4	682.1	672.0	660.9	649.6	636.2	625.0
165°	674.8	675.9	677.1	672.4	667.7	661.9	653.6	646.6	637.2	627.8	619.6
167.5°	652.5	653.4	653.6	650.6	648.2	644.7	638.1	632.8	625.9	619.4	614.0
170°	638.3	638.3	639.5	638.3	636.0	632.5	627.8	624.3	618.4	613.7	610.2
172.5°	624.3	626.1	627.3	626.1	624.7	622.2	619.4	616.7	611.9	608.0	606.4
175°	607.8	610.2	612.6	610.2	610.2	610.2	607.8	606.7	604.3	602.0	602.0
177.5°	598.2	600.1	602.0	601.1	602.0	601.1	601.1	600.1	599.2	598.2	598.2
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	979.0	974.6	971.5	969.0	962.0	958.0	954.8	950.4	945.3	940.0	933.4
5°	1034.6	1021.2	1011.4	996.4	982.3	970.5	958.4	947.4	933.9	919.5	908.8
7.5°	1093.0	1073.1	1047.6	1025.5	1000.7	979.1	959.8	940.0	919.4	899.4	881.1
10°	1130.0	1104.5	1076.2	1042.8	1011.4	983.5	957.6	932.4	908.1	883.6	862.8
12.5°	1169.9	1138.1	1096.3	1057.2	1022.1	984.7	953.4	922.6	893.2	867.7	843.3
15°	1223.6	1177.6	1129.2	1077.0	1030.7	987.0	944.2	905.2	872.3	838.5	815.0
17.5°	1256.5	1199.6	1144.4	1089.7	1033.6	978.6	932.4	887.6	846.2	812.6	782.9
20°	1278.2	1221.6	1152.9	1098.2	1031.4	974.8	921.4	871.5	828.3	792.5	761.8
22.5°	1297.1	1231.6	1162.9	1091.0	1024.5	964.4	905.9	855.8	811.6	774.0	744.6
25°	1307.3	1232.2	1157.5	1086.0	1010.6	939.5	886.5	827.5	780.3	740.6	709.2
27.5°	1308.4	1228.1	1143.7	1064.2	986.3	920.1	853.1	800.4	751.5	709.5	679.3
30°	1304.8	1221.2	1130.4	1044.4	966.2	894.2	836.2	778.8	728.8	687.2	655.8
32.5°	1293.8	1206.7	1113.5	1022.4	941.4	871.0	811.0	756.5	707.8	666.8	633.8
35°	1262.0	1176.0	1076.6	981.9	899.0	827.9	773.7	718.2	669.5	630.7	598.8
37.5°	1212.3	1134.5	1033.5	935.4	854.0	782.6	728.8	678.8	634.9	595.3	562.7
40°	1168.9	1100.6	999.2	903.7	815.7	747.7	697.4	651.5	607.8	570.5	539.5
42.5°	1118.9	1059.3	965.8	864.7	779.8	711.6	662.6	621.3	580.2	545.7	514.6
45°	1029.9	990.6	902.5	809.0	720.6	656.2	609.5	573.3	538.7	504.9	479.0
47.5°	927.4	907.9	833.7	745.0	661.1	597.5	557.0	523.6	493.3	464.6	441.8
50°	858.5	849.1	785.1	699.4	619.2	559.6	518.7	490.0	464.0	438.9	417.3
52.5°	790.6	790.3	732.6	654.1	580.0	522.4	481.9	455.0	432.6	412.1	392.7
55°	686.8	697.8	652.7	582.7	516.3	464.4	427.9	403.9	388.2	371.3	356.8
57.5°	591.5	609.8	572.5	510.9	455.4	407.7	375.9	357.9	341.1	330.9	320.3
60°	529.3	546.5	517.5	465.6	413.3	372.4	342.2	326.1	311.5	304.5	297.0
62.5°	473.9	489.4	467.8	419.7	374.4	335.1	309.5	294.1	284.3	276.5	271.6
65°	394.9	407.9	389.4	354.5	315.5	284.1	263.3	251.1	241.7	238.5	233.0
67.5°	319.2	331.0	321.0	291.3	260.1	236.3	220.0	208.3	202.8	200.0	196.1
70°	274.3	286.1	275.4	249.5	225.5	205.5	190.2	183.5	177.6	176.4	171.0
72.5°	236.2	244.3	233.6	213.4	192.9	175.9	164.1	157.1	154.0	151.9	149.0
75°	177.2	184.3	177.2	161.5	146.9	135.1	124.9	122.2	118.7	117.4	115.5
77.5°	125.4	131.6	126.1	116.3	105.4	96.3	90.9	87.4	86.5	84.5	85.4
80°	95.8	99.8	94.7	88.1	79.4	73.1	69.2	67.2	64.8	64.0	65.6
82.5°	68.9	70.6	68.0	63.5	57.1	52.9	50.3	48.0	47.6	47.7	47.7
85°	35.7	35.3	34.9	31.0	29.1	26.4	24.7	24.3	23.9	24.7	25.5
87.5°	15.2	15.6	13.8	12.5	11.4	10.2	9.2	8.4	9.2	10.2	10.8
90°	16.5	16.5	9.4	9.4	8.2	7.1	3.5	1.2	3.5	7.1	8.2
92.5°	237.0	146.0	86.3	62.0	44.8	30.5	19.5	13.3	19.5	30.5	44.8
95°	441.2	248.7	146.7	97.4	69.3	54.0	42.2	38.7	42.2	54.0	69.3
97.5°	396.7	237.7	159.2	117.9	93.6	79.6	69.5	69.5	69.5	79.6	93.6
100°	373.1	240.5	171.4	133.8	111.5	97.4	89.2	89.2	89.2	97.4	111.5
102.5°	366.6	249.9	187.3	151.6	130.3	117.1	109.9	108.0	109.9	117.1	130.3
105°	369.6	272.3	215.9	181.9	160.8	146.7	140.8	137.3	140.8	146.7	160.8
107.5°	387.0	298.3	246.7	213.1	192.9	177.9	172.0	169.7	172.0	177.9	192.9
110°	400.1	318.0	266.4	234.7	213.6	199.4	193.6	191.3	193.6	199.4	213.6



TEST NUMBER: P332573-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	414.2	336.8	287.0	255.4	234.2	221.1	214.3	212.0	214.3	221.1	234.2
115°	436.6	366.1	319.2	287.5	265.2	253.5	245.3	241.8	245.3	253.5	265.2
117.5°	459.3	394.6	349.9	317.1	296.2	283.3	276.0	272.7	276.0	283.3	296.2
120°	475.2	414.2	369.6	336.8	316.8	304.0	295.7	293.4	295.7	304.0	316.8
122.5°	490.3	433.0	388.4	356.5	334.7	322.8	314.5	312.1	314.5	322.8	334.7
125°	512.8	458.8	416.6	383.7	361.4	348.5	341.4	336.8	341.4	348.5	361.4
127.5°	532.3	482.7	441.9	408.8	385.6	370.8	362.3	358.6	362.3	370.8	385.6
130°	544.5	498.8	458.8	424.7	402.5	384.9	375.5	370.8	375.5	384.9	402.5
132.5°	556.7	511.9	472.0	439.8	415.7	399.0	386.8	383.0	386.8	399.0	415.7
135°	572.7	530.4	491.7	461.2	436.6	416.6	404.9	400.1	404.9	416.6	436.6
137.5°	583.9	544.5	508.4	479.3	453.6	434.6	421.7	417.3	421.7	434.6	453.6
140°	591.4	553.9	518.7	490.5	465.9	446.0	433.0	429.5	433.0	446.0	465.9
142.5°	597.0	562.3	528.1	500.8	477.2	458.1	446.2	442.6	446.2	458.1	477.2
145°	603.2	571.5	541.0	515.1	492.8	476.5	464.7	461.2	464.7	476.5	492.8
147.5°	608.5	580.9	552.2	529.0	510.5	493.5	483.2	482.0	483.2	493.5	510.5
150°	611.4	585.5	559.8	537.5	519.9	505.7	496.3	495.2	496.3	505.7	519.9
152.5°	613.3	589.4	566.3	545.9	530.2	517.1	507.7	507.4	507.7	517.1	530.2
155°	614.9	594.9	575.0	557.4	544.5	532.7	525.7	524.5	525.7	532.7	544.5
157.5°	614.9	599.0	582.1	568.2	556.9	547.8	541.2	541.2	541.2	547.8	556.9
160°	614.9	600.8	586.7	573.8	564.4	556.2	551.5	551.5	551.5	556.2	564.4
162.5°	614.9	602.7	589.6	579.5	571.0	563.7	560.0	560.9	560.0	563.7	571.0
165°	612.6	603.2	592.6	585.5	579.7	573.8	571.5	571.5	571.5	573.8	579.7
167.5°	609.8	602.9	595.2	589.8	586.5	582.1	580.9	582.1	580.9	582.1	586.5
170°	607.8	602.0	596.1	592.6	590.3	586.7	585.5	586.7	585.5	586.7	590.3
172.5°	606.0	601.1	597.0	594.5	593.1	590.5	590.3	591.4	590.3	590.5	593.1
175°	603.2	599.7	597.3	597.3	596.1	594.9	594.9	596.1	594.9	594.9	596.1
177.5°	600.1	598.2	597.3	597.3	597.3	596.3	597.3	598.2	597.3	596.3	597.3
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332573-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	930.3	927.5	923.3	917.7	913.0	908.0	906.7	904.8	908.6	905.4	904.5
5°	899.8	891.5	880.9	868.8	861.7	851.4	849.5	845.6	841.6	841.2	837.3
7.5°	867.5	855.4	841.5	829.1	817.6	806.5	799.1	797.6	791.7	788.4	784.5
10°	846.8	831.8	815.7	804.0	790.5	778.8	770.5	765.8	761.8	757.5	753.7
12.5°	822.2	806.4	793.0	780.3	764.5	755.5	741.9	733.8	733.0	733.1	722.9
15°	793.7	778.0	757.5	739.5	730.8	713.6	706.1	696.6	690.7	684.9	680.1
17.5°	761.1	741.5	725.6	704.8	688.3	674.6	664.7	659.0	650.3	641.9	635.8
20°	740.6	719.8	703.0	681.0	662.9	646.0	637.7	629.9	623.2	616.1	609.5
22.5°	719.9	698.1	677.5	656.1	639.2	621.5	613.5	602.8	596.4	592.5	585.8
25°	687.2	663.7	640.1	619.7	602.4	586.6	576.0	567.7	560.7	557.5	553.2
27.5°	651.7	628.2	605.5	582.3	562.7	551.3	542.8	536.5	532.5	528.4	526.3
30°	629.0	604.7	580.4	558.8	540.7	529.3	521.4	517.1	513.9	512.0	510.0
32.5°	606.1	582.1	556.4	536.7	520.6	510.4	504.4	500.1	498.6	497.9	497.2
35°	569.4	545.0	521.4	503.7	488.4	484.4	479.4	477.0	476.3	479.0	480.2
37.5°	533.7	511.1	489.4	472.3	462.2	456.5	454.7	454.8	457.7	460.1	462.9
40°	510.8	488.8	468.4	453.4	444.0	440.5	439.7	441.6	444.7	447.6	450.7
42.5°	488.5	466.8	448.3	434.2	427.7	424.4	425.0	426.9	431.3	434.6	439.4
45°	453.8	435.8	417.7	406.3	400.8	401.5	401.5	405.1	409.4	414.5	419.6
47.5°	421.2	402.9	388.1	378.5	375.7	375.0	377.2	381.8	388.1	394.4	401.5
50°	399.2	381.9	368.9	360.3	357.2	358.3	361.5	365.8	373.2	381.1	388.6
52.5°	376.9	361.1	349.1	341.1	338.9	341.0	344.2	351.0	357.6	366.1	375.1
55°	342.2	328.9	319.4	313.6	312.8	314.0	317.5	325.0	334.4	345.0	353.7
57.5°	307.7	296.6	287.9	283.9	284.3	285.4	291.1	300.0	310.1	321.4	332.5
60°	284.5	274.3	267.2	264.1	264.5	266.8	273.9	282.2	294.7	305.7	317.5
62.5°	262.5	253.5	246.7	243.9	243.4	248.5	255.3	263.9	276.5	288.7	301.4
65°	227.1	220.0	214.5	213.0	214.1	218.0	226.7	238.1	248.7	261.7	275.1
67.5°	192.5	186.7	183.0	183.7	185.1	190.9	198.1	207.9	219.9	233.4	246.6
70°	170.6	165.0	161.9	162.3	164.6	171.7	178.0	187.8	200.8	214.5	225.5
72.5°	147.9	144.3	141.5	143.1	145.4	150.4	158.1	168.0	179.5	192.2	203.9
75°	113.5	113.5	112.0	113.2	116.7	121.4	127.3	137.5	149.0	159.2	168.5
77.5°	84.2	83.4	84.4	85.8	87.9	93.4	100.2	107.6	116.0	126.3	134.1
80°	64.4	64.8	66.8	69.2	70.0	74.2	81.3	88.1	94.7	103.3	110.8
82.5°	48.4	48.8	49.8	52.8	53.6	58.3	62.8	69.5	75.5	81.3	87.6
85°	26.4	26.4	28.3	29.5	31.4	34.5	37.4	41.3	46.8	50.7	56.6
87.5°	11.9	11.9	14.6	15.2	16.7	18.7	19.1	22.7	24.2	26.1	28.9
90°	9.4	9.4	16.5	16.5	18.8	21.1	20.0	21.1	22.3	23.4	23.4
92.5°	62.0	86.3	146.0	237.0	325.8	372.2	310.0	230.5	173.4	138.0	114.5
95°	97.4	146.7	248.7	441.2	721.6	956.3	983.4	869.5	687.6	530.4	416.6
97.5°	117.9	159.2	237.7	396.7	675.4	1007.3	1235.5	1284.8	1217.1	1102.4	979.9
100°	133.8	171.4	240.5	373.1	612.6	943.4	1243.9	1415.2	1438.7	1381.2	1294.3
102.5°	151.6	187.3	249.9	366.6	570.3	863.6	1173.5	1408.7	1525.0	1541.7	1505.5
105°	181.9	215.9	272.3	369.6	533.9	769.8	1045.5	1314.2	1517.3	1633.5	1681.5
107.5°	213.1	246.7	298.3	387.0	527.4	717.2	942.3	1180.2	1396.4	1560.0	1664.7
110°	234.7	266.4	318.0	400.1	529.3	699.4	890.7	1099.5	1302.5	1472.7	1601.7



TEST NUMBER: P332573-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	255.4	287.0	336.8	414.2	534.8	690.9	861.5	1040.4	1219.9	1380.7	1509.7
115°	287.5	319.2	366.1	436.6	545.6	686.5	834.4	981.0	1125.4	1262.6	1375.3
117.5°	317.1	349.9	394.6	459.3	557.1	685.3	822.1	951.9	1071.4	1179.3	1274.9
120°	336.8	369.6	414.2	475.2	565.6	685.3	815.6	938.8	1047.9	1141.8	1225.1
122.5°	356.5	388.4	433.0	490.3	574.1	684.4	808.1	927.5	1032.9	1118.3	1191.3
125°	383.7	416.6	458.8	512.8	586.7	683.0	795.6	908.3	1009.2	1090.1	1154.7
127.5°	408.8	441.9	482.7	532.3	596.8	680.3	778.9	884.7	981.3	1062.0	1123.3
130°	424.7	458.8	498.8	544.5	604.3	679.4	768.6	866.1	958.8	1038.5	1100.8
132.5°	439.8	472.0	511.9	556.7	610.9	678.5	759.2	846.3	933.4	1011.3	1073.5
135°	461.2	491.7	530.4	572.7	620.8	677.1	745.2	819.1	895.3	966.9	1025.6
137.5°	479.3	508.4	544.5	583.9	626.6	676.8	733.0	794.5	859.0	919.3	972.3
140°	490.5	518.7	553.9	591.4	631.4	675.9	726.4	780.3	835.5	888.3	937.6
142.5°	500.8	528.1	562.3	597.0	635.1	675.9	720.7	767.2	815.8	861.1	903.8
145°	515.1	541.0	571.5	603.2	637.2	673.6	711.1	748.7	788.6	823.7	856.7
147.5°	529.0	552.2	580.9	608.5	638.3	669.3	702.5	733.5	765.1	793.2	819.1
150°	537.5	559.8	585.5	611.4	638.3	666.5	695.9	724.1	751.0	774.5	795.6
152.5°	545.9	566.3	589.4	613.3	636.5	661.9	688.3	713.7	736.9	758.5	775.9
155°	557.4	575.0	594.9	614.9	633.7	654.8	677.1	698.2	717.0	734.6	748.7
157.5°	568.2	582.1	599.0	614.9	630.7	647.5	665.6	681.6	697.3	712.1	723.4
160°	573.8	586.7	600.8	614.9	627.8	641.9	657.1	671.3	684.1	697.0	706.4
162.5°	579.5	589.6	602.7	614.9	625.0	636.2	649.6	660.9	672.0	682.1	690.4
165°	585.5	592.6	603.2	612.6	619.6	627.8	637.2	646.6	653.6	661.9	667.7
167.5°	589.8	595.2	602.9	609.8	614.0	619.4	625.9	632.8	638.1	644.7	648.2
170°	592.6	596.1	602.0	607.8	610.2	613.7	618.4	624.3	627.8	632.5	636.0
172.5°	594.5	597.0	601.1	606.0	606.4	608.0	611.9	616.7	619.4	622.2	624.7
175°	597.3	597.3	599.7	603.2	602.0	602.0	604.3	606.7	607.8	610.2	610.2
177.5°	597.3	597.3	598.2	600.1	598.2	598.2	599.2	600.1	601.1	601.1	602.0
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332573-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	903.8	903.2	901.0	900.7	901.0	903.2	903.8	904.5	905.4	908.6	904.8
5°	835.0	833.0	831.8	836.2	831.8	833.0	835.0	837.3	841.2	841.6	845.6
7.5°	783.0	781.4	778.0	776.9	778.0	781.4	783.0	784.5	788.4	791.7	797.6
10°	749.7	748.1	745.0	744.2	745.0	748.1	749.7	753.7	757.5	761.8	765.8
12.5°	717.6	714.5	713.9	714.7	713.9	714.5	717.6	722.9	733.1	733.0	733.8
15°	675.0	673.5	669.1	670.3	669.1	673.5	675.0	680.1	684.9	690.7	696.6
17.5°	633.1	631.2	625.9	630.6	625.9	631.2	633.1	635.8	641.9	650.3	659.0
20°	606.6	603.5	600.8	600.4	600.8	603.5	606.6	609.5	616.1	623.2	629.9
22.5°	581.5	578.7	578.5	575.8	578.5	578.7	581.5	585.8	592.5	596.4	602.8
25°	550.1	547.3	546.5	544.6	546.5	547.3	550.1	553.2	557.5	560.7	567.7
27.5°	525.9	524.6	523.2	523.8	523.2	524.6	525.9	526.3	528.4	532.5	536.5
30°	511.2	510.8	510.0	510.0	510.0	510.8	511.2	510.0	512.0	513.9	517.1
32.5°	499.0	498.9	499.3	499.3	499.3	498.9	499.0	497.2	497.9	498.6	500.1
35°	481.7	482.9	483.7	482.5	483.7	482.9	481.7	480.2	479.0	476.3	477.0
37.5°	466.2	467.4	468.5	469.8	468.5	467.4	466.2	462.9	460.1	457.7	454.8
40°	454.2	457.0	457.8	459.7	457.8	457.0	454.2	450.7	447.6	444.7	441.6
42.5°	442.9	446.0	448.0	448.4	448.0	446.0	442.9	439.4	434.6	431.3	426.9
45°	425.6	428.7	431.4	431.4	431.4	428.7	425.6	419.6	414.5	409.4	405.1
47.5°	407.6	412.1	414.9	415.6	414.9	412.1	407.6	401.5	394.4	388.1	381.8
50°	395.3	400.8	403.5	405.5	403.5	400.8	395.3	388.6	381.1	373.2	365.8
52.5°	383.3	388.8	392.5	393.5	392.5	388.8	383.3	375.1	366.1	357.6	351.0
55°	362.6	370.5	374.9	376.4	374.9	370.5	362.6	353.7	345.0	334.4	325.0
57.5°	343.2	350.4	355.5	356.6	355.5	350.4	343.2	332.5	321.4	310.1	300.0
60°	328.1	336.0	342.2	343.5	342.2	336.0	328.1	317.5	305.7	294.7	282.2
62.5°	312.7	320.8	326.5	329.6	326.5	320.8	312.7	301.4	288.7	276.5	263.9
65°	286.1	294.3	299.8	300.9	299.8	294.3	286.1	275.1	261.7	248.7	238.1
67.5°	257.0	265.2	268.8	271.1	268.8	265.2	257.0	246.6	233.4	219.9	207.9
70°	236.5	243.2	247.1	249.1	247.1	243.2	236.5	225.5	214.5	200.8	187.8
72.5°	213.3	220.3	224.8	225.2	224.8	220.3	213.3	203.9	192.2	179.5	168.0
75°	177.6	183.9	186.2	186.2	186.2	183.9	177.6	168.5	159.2	149.0	137.5
77.5°	140.6	143.8	146.8	147.4	146.8	143.8	140.6	134.1	126.3	116.0	107.6
80°	116.7	118.7	121.0	121.0	121.0	118.7	116.7	110.8	103.3	94.7	88.1
82.5°	92.2	93.8	96.1	95.8	96.1	93.8	92.2	87.6	81.3	75.5	69.5
85°	55.7	59.4	59.0	58.2	59.0	59.4	55.7	56.6	50.7	46.8	41.3
87.5°	30.1	30.6	31.3	31.9	31.3	30.6	30.1	28.9	26.1	24.2	22.7
90°	24.6	25.9	24.6	24.6	24.6	25.9	24.6	23.4	23.4	22.3	21.1
92.5°	100.7	94.3	90.4	90.4	90.4	94.3	100.7	114.5	138.0	173.4	230.5
95°	359.1	322.8	301.5	286.3	301.5	322.8	359.1	416.6	530.4	687.6	869.5
97.5°	895.5	825.0	789.7	765.4	789.7	825.0	895.5	979.9	1102.4	1217.1	1284.8
100°	1192.2	1120.6	1085.5	1076.1	1085.5	1120.6	1192.2	1294.3	1381.2	1438.7	1415.2
102.5°	1442.9	1391.0	1353.9	1346.5	1353.9	1391.0	1442.9	1505.5	1541.7	1525.0	1408.7
105°	1683.9	1674.6	1658.1	1651.0	1658.1	1674.6	1683.9	1681.5	1633.5	1517.3	1314.2
107.5°	1722.6	1749.4	1761.1	1764.2	1761.1	1749.4	1722.6	1664.7	1560.0	1396.4	1180.2
110°	1685.1	1734.3	1755.5	1766.1	1755.5	1734.3	1685.1	1601.7	1472.7	1302.5	1099.5



TEST NUMBER: P332573-840
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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1604.4	1664.0	1693.5	1710.7	1693.5	1664.0	1604.4	1509.7	1380.7	1219.9	1040.4
115°	1468.0	1538.4	1576.0	1585.4	1576.0	1538.4	1468.0	1375.3	1262.6	1125.4	981.0
117.5°	1353.9	1413.1	1451.1	1458.3	1451.1	1413.1	1353.9	1274.9	1179.3	1071.4	951.9
120°	1292.0	1343.6	1374.1	1387.0	1374.1	1343.6	1292.0	1225.1	1141.8	1047.9	938.8
122.5°	1247.9	1292.0	1317.8	1330.7	1317.8	1292.0	1247.9	1191.3	1118.3	1032.9	927.5
125°	1201.6	1235.7	1258.0	1265.0	1258.0	1235.7	1201.6	1154.7	1090.1	1009.2	908.3
127.5°	1170.4	1200.7	1219.5	1226.5	1219.5	1200.7	1170.4	1123.3	1062.0	981.3	884.7
130°	1148.8	1178.1	1196.9	1204.0	1196.9	1178.1	1148.8	1100.8	1038.5	958.8	866.1
132.5°	1120.6	1153.8	1171.5	1178.6	1171.5	1153.8	1120.6	1073.5	1011.3	933.4	846.3
135°	1072.6	1105.4	1124.2	1131.3	1124.2	1105.4	1072.6	1025.6	966.9	895.3	819.1
137.5°	1016.2	1048.6	1064.1	1072.6	1064.1	1048.6	1016.2	972.3	919.3	859.0	794.5
140°	978.7	1004.5	1020.9	1030.3	1020.9	1004.5	978.7	937.6	888.3	835.5	780.3
142.5°	940.2	964.1	978.7	985.2	978.7	964.1	940.2	903.8	861.1	815.8	767.2
145°	886.0	905.9	917.7	923.5	917.7	905.9	886.0	856.7	823.7	788.6	748.7
147.5°	840.7	857.8	866.8	868.8	866.8	857.8	840.7	819.1	793.2	765.1	733.5
150°	814.4	829.6	836.7	837.9	836.7	829.6	814.4	795.6	774.5	751.0	724.1
152.5°	791.8	804.3	808.5	809.7	808.5	804.3	791.8	775.9	758.5	736.9	713.7
155°	760.4	769.8	773.4	773.4	773.4	769.8	760.4	748.7	734.6	717.0	698.2
157.5°	732.3	739.3	741.4	741.4	741.4	739.3	732.3	723.4	712.1	697.3	681.6
160°	713.5	720.5	721.6	721.6	721.6	720.5	713.5	706.4	697.0	684.1	671.3
162.5°	695.6	702.7	703.9	702.9	703.9	702.7	695.6	690.4	682.1	672.0	660.9
165°	672.4	677.1	675.9	674.8	675.9	677.1	672.4	667.7	661.9	653.6	646.6
167.5°	650.6	653.6	653.4	652.5	653.4	653.6	650.6	648.2	644.7	638.1	632.8
170°	638.3	639.5	638.3	638.3	638.3	639.5	638.3	636.0	632.5	627.8	624.3
172.5°	626.1	627.3	626.1	624.3	626.1	627.3	626.1	624.7	622.2	619.4	616.7
175°	610.2	612.6	610.2	607.8	610.2	612.6	610.2	610.2	610.2	607.8	606.7
177.5°	601.1	602.0	600.1	598.2	600.1	602.0	601.1	602.0	601.1	601.1	600.1
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332573-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	906.7	908.0	913.0	917.7	923.3	927.5	930.3	933.4	940.0	945.3	950.4
5°	849.5	851.4	861.7	868.8	880.9	891.5	899.8	908.8	919.5	933.9	947.4
7.5°	799.1	806.5	817.6	829.1	841.5	855.4	867.5	881.1	899.4	919.4	940.0
10°	770.5	778.8	790.5	804.0	815.7	831.8	846.8	862.8	883.6	908.1	932.4
12.5°	741.9	755.5	764.5	780.3	793.0	806.4	822.2	843.3	867.7	893.2	922.6
15°	706.1	713.6	730.8	739.5	757.5	778.0	793.7	815.0	838.5	872.3	905.2
17.5°	664.7	674.6	688.3	704.8	725.6	741.5	761.1	782.9	812.6	846.2	887.6
20°	637.7	646.0	662.9	681.0	703.0	719.8	740.6	761.8	792.5	828.3	871.5
22.5°	613.5	621.5	639.2	656.1	677.5	698.1	719.9	744.6	774.0	811.6	855.8
25°	576.0	586.6	602.4	619.7	640.1	663.7	687.2	709.2	740.6	780.3	827.5
27.5°	542.8	551.3	562.7	582.3	605.5	628.2	651.7	679.3	709.5	751.5	800.4
30°	521.4	529.3	540.7	558.8	580.4	604.7	629.0	655.8	687.2	728.8	778.8
32.5°	504.4	510.4	520.6	536.7	556.4	582.1	606.1	633.8	666.8	707.8	756.5
35°	479.4	484.4	488.4	503.7	521.4	545.0	569.4	598.8	630.7	669.5	718.2
37.5°	454.7	456.5	462.2	472.3	489.4	511.1	533.7	562.7	595.3	634.9	678.8
40°	439.7	440.5	444.0	453.4	468.4	488.8	510.8	539.5	570.5	607.8	651.5
42.5°	425.0	424.4	427.7	434.2	448.3	466.8	488.5	514.6	545.7	580.2	621.3
45°	401.5	401.5	400.8	406.3	417.7	435.8	453.8	479.0	504.9	538.7	573.3
47.5°	377.2	375.0	375.7	378.5	388.1	402.9	421.2	441.8	464.6	493.3	523.6
50°	361.5	358.3	357.2	360.3	368.9	381.9	399.2	417.3	438.9	464.0	490.0
52.5°	344.2	341.0	338.9	341.1	349.1	361.1	376.9	392.7	412.1	432.6	455.0
55°	317.5	314.0	312.8	313.6	319.4	328.9	342.2	356.8	371.3	388.2	403.9
57.5°	291.1	285.4	284.3	283.9	287.9	296.6	307.7	320.3	330.9	341.1	357.9
60°	273.9	266.8	264.5	264.1	267.2	274.3	284.5	297.0	304.5	311.5	326.1
62.5°	255.3	248.5	243.4	243.9	246.7	253.5	262.5	271.6	276.5	284.3	294.1
65°	226.7	218.0	214.1	213.0	214.5	220.0	227.1	233.0	238.5	241.7	251.1
67.5°	198.1	190.9	185.1	183.7	183.0	186.7	192.5	196.1	200.0	202.8	208.3
70°	178.0	171.7	164.6	162.3	161.9	165.0	170.6	171.0	176.4	177.6	183.5
72.5°	158.1	150.4	145.4	143.1	141.5	144.3	147.9	149.0	151.9	154.0	157.1
75°	127.3	121.4	116.7	113.2	112.0	113.5	113.5	115.5	117.4	118.7	122.2
77.5°	100.2	93.4	87.9	85.8	84.4	83.4	84.2	85.4	84.5	86.5	87.4
80°	81.3	74.2	70.0	69.2	66.8	64.8	64.4	65.6	64.0	64.8	67.2
82.5°	62.8	58.3	53.6	52.8	49.8	48.8	48.4	47.7	47.7	47.6	48.0
85°	37.4	34.5	31.4	29.5	28.3	26.4	26.4	25.5	24.7	23.9	24.3
87.5°	19.1	18.7	16.7	15.2	14.6	11.9	11.9	10.8	10.2	9.2	8.4
90°	20.0	21.1	18.8	16.5	16.5	9.4	9.4	8.2	7.1	3.5	1.2
92.5°	310.0	372.2	325.8	237.0	146.0	86.3	62.0	44.8	30.5	19.5	13.3
95°	983.4	956.3	721.6	441.2	248.7	146.7	97.4	69.3	54.0	42.2	38.7
97.5°	1235.5	1007.3	675.4	396.7	237.7	159.2	117.9	93.6	79.6	69.5	69.5
100°	1243.9	943.4	612.6	373.1	240.5	171.4	133.8	111.5	97.4	89.2	89.2
102.5°	1173.5	863.6	570.3	366.6	249.9	187.3	151.6	130.3	117.1	109.9	108.0
105°	1045.5	769.8	533.9	369.6	272.3	215.9	181.9	160.8	146.7	140.8	137.3
107.5°	942.3	717.2	527.4	387.0	298.3	246.7	213.1	192.9	177.9	172.0	169.7
110°	890.7	699.4	529.3	400.1	318.0	266.4	234.7	213.6	199.4	193.6	191.3



TEST NUMBER: P332573-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	861.5	690.9	534.8	414.2	336.8	287.0	255.4	234.2	221.1	214.3	212.0
115°	834.4	686.5	545.6	436.6	366.1	319.2	287.5	265.2	253.5	245.3	241.8
117.5°	822.1	685.3	557.1	459.3	394.6	349.9	317.1	296.2	283.3	276.0	272.7
120°	815.6	685.3	565.6	475.2	414.2	369.6	336.8	316.8	304.0	295.7	293.4
122.5°	808.1	684.4	574.1	490.3	433.0	388.4	356.5	334.7	322.8	314.5	312.1
125°	795.6	683.0	586.7	512.8	458.8	416.6	383.7	361.4	348.5	341.4	336.8
127.5°	778.9	680.3	596.8	532.3	482.7	441.9	408.8	385.6	370.8	362.3	358.6
130°	768.6	679.4	604.3	544.5	498.8	458.8	424.7	402.5	384.9	375.5	370.8
132.5°	759.2	678.5	610.9	556.7	511.9	472.0	439.8	415.7	399.0	386.8	383.0
135°	745.2	677.1	620.8	572.7	530.4	491.7	461.2	436.6	416.6	404.9	400.1
137.5°	733.0	676.8	626.6	583.9	544.5	508.4	479.3	453.6	434.6	421.7	417.3
140°	726.4	675.9	631.4	591.4	553.9	518.7	490.5	465.9	446.0	433.0	429.5
142.5°	720.7	675.9	635.1	597.0	562.3	528.1	500.8	477.2	458.1	446.2	442.6
145°	711.1	673.6	637.2	603.2	571.5	541.0	515.1	492.8	476.5	464.7	461.2
147.5°	702.5	669.3	638.3	608.5	580.9	552.2	529.0	510.5	493.5	483.2	482.0
150°	695.9	666.5	638.3	611.4	585.5	559.8	537.5	519.9	505.7	496.3	495.2
152.5°	688.3	661.9	636.5	613.3	589.4	566.3	545.9	530.2	517.1	507.7	507.4
155°	677.1	654.8	633.7	614.9	594.9	575.0	557.4	544.5	532.7	525.7	524.5
157.5°	665.6	647.5	630.7	614.9	599.0	582.1	568.2	556.9	547.8	541.2	541.2
160°	657.1	641.9	627.8	614.9	600.8	586.7	573.8	564.4	556.2	551.5	551.5
162.5°	649.6	636.2	625.0	614.9	602.7	589.6	579.5	571.0	563.7	560.0	560.9
165°	637.2	627.8	619.6	612.6	603.2	592.6	585.5	579.7	573.8	571.5	571.5
167.5°	625.9	619.4	614.0	609.8	602.9	595.2	589.8	586.5	582.1	580.9	582.1
170°	618.4	613.7	610.2	607.8	602.0	596.1	592.6	590.3	586.7	585.5	586.7
172.5°	611.9	608.0	606.4	606.0	601.1	597.0	594.5	593.1	590.5	590.3	591.4
175°	604.3	602.0	602.0	603.2	599.7	597.3	597.3	596.1	594.9	594.9	596.1
177.5°	599.2	598.2	598.2	600.1	598.2	597.3	597.3	597.3	596.3	597.3	598.2
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332573-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	954.8	958.0	962.0	969.0	971.5	974.6	979.0	978.7	980.0	984.6	994.7
5°	958.4	970.5	982.3	996.4	1011.4	1021.2	1034.6	1042.8	1051.1	1061.7	1079.7
7.5°	959.8	979.1	1000.7	1025.5	1047.6	1073.1	1093.0	1111.7	1128.5	1150.9	1172.5
10°	957.6	983.5	1011.4	1042.8	1076.2	1104.5	1130.0	1159.1	1183.9	1210.9	1235.4
12.5°	953.4	984.7	1022.1	1057.2	1096.3	1138.1	1169.9	1199.3	1232.2	1263.4	1301.0
15°	944.2	987.0	1030.7	1077.0	1129.2	1177.6	1223.6	1261.6	1297.1	1343.8	1392.9
17.5°	932.4	978.6	1033.6	1089.7	1144.4	1199.6	1256.5	1313.7	1358.4	1416.4	1454.9
20°	921.4	974.8	1031.4	1098.2	1152.9	1221.6	1278.2	1333.5	1394.8	1452.6	1498.6
22.5°	905.9	964.4	1024.5	1091.0	1162.9	1231.6	1297.1	1357.2	1418.5	1481.3	1536.9
25°	886.5	939.5	1010.6	1086.0	1157.5	1232.2	1307.3	1382.7	1448.7	1515.1	1567.0
27.5°	853.1	920.1	986.3	1064.2	1143.7	1228.1	1308.4	1387.4	1456.4	1511.1	1543.3
30°	836.2	894.2	966.2	1044.4	1130.4	1221.2	1304.8	1382.3	1446.7	1490.4	1503.3
32.5°	811.0	871.0	941.4	1022.4	1113.5	1206.7	1293.8	1366.9	1420.7	1443.5	1427.8
35°	773.7	827.9	899.0	981.9	1076.6	1176.0	1262.0	1323.7	1351.3	1329.7	1275.8
37.5°	728.8	782.6	854.0	935.4	1033.5	1134.5	1212.3	1256.7	1247.6	1193.9	1113.6
40°	697.4	747.7	815.7	903.7	999.2	1100.6	1168.9	1193.0	1167.8	1090.8	1005.5
42.5°	662.6	711.6	779.8	864.7	965.8	1059.3	1118.9	1121.0	1078.8	986.7	901.1
45°	609.5	656.2	720.6	809.0	902.5	990.6	1029.9	1010.6	932.8	843.9	757.9
47.5°	557.0	597.5	661.1	745.0	833.7	907.9	927.4	892.7	809.8	723.6	643.8
50°	518.7	559.6	619.2	699.4	785.1	849.1	858.5	812.5	731.2	644.4	581.9
52.5°	481.9	522.4	580.0	654.1	732.6	790.3	790.6	737.4	656.4	579.1	520.9
55°	427.9	464.4	516.3	582.7	652.7	697.8	686.8	631.8	561.5	494.3	443.6
57.5°	375.9	407.7	455.4	510.9	572.5	609.8	591.5	538.6	475.7	418.8	380.3
60°	342.2	372.4	413.3	465.6	517.5	546.5	529.3	481.3	423.5	377.6	344.2
62.5°	309.5	335.1	374.4	419.7	467.8	489.4	473.9	426.7	376.8	335.2	308.0
65°	263.3	284.1	315.5	354.5	389.4	407.9	394.9	350.8	312.8	282.9	261.3
67.5°	220.0	236.3	260.1	291.3	321.0	331.0	319.2	288.5	256.3	232.4	217.1
70°	190.2	205.5	225.5	249.5	275.4	286.1	274.3	249.9	223.6	201.6	186.6
72.5°	164.1	175.9	192.9	213.4	233.6	244.3	236.2	212.8	190.6	174.2	161.5
75°	124.9	135.1	146.9	161.5	177.2	184.3	177.2	161.1	145.7	133.6	124.5
77.5°	90.9	96.3	105.4	116.3	126.1	131.6	125.4	114.5	105.1	96.8	92.3
80°	69.2	73.1	79.4	88.1	94.7	99.8	95.8	86.8	79.4	73.8	71.9
82.5°	50.3	52.9	57.1	63.5	68.0	70.6	68.9	62.3	59.3	54.3	52.4
85°	24.7	26.4	29.1	31.0	34.9	35.3	35.7	33.0	30.3	29.1	27.5
87.5°	9.2	10.2	11.4	12.5	13.8	15.6	15.2	15.7	14.9	14.3	13.3
90°	3.5	7.1	8.2	9.4	9.4	16.5	16.5	18.8	21.1	20.0	21.1
92.5°	19.5	30.5	44.8	62.0	86.3	146.0	237.0	325.8	372.2	310.0	230.5
95°	42.2	54.0	69.3	97.4	146.7	248.7	441.2	721.6	956.3	983.4	869.5
97.5°	69.5	79.6	93.6	117.9	159.2	237.7	396.7	675.4	1007.3	1235.5	1284.8
100°	89.2	97.4	111.5	133.8	171.4	240.5	373.1	612.6	943.4	1243.9	1415.2
102.5°	109.9	117.1	130.3	151.6	187.3	249.9	366.6	570.3	863.6	1173.5	1408.7
105°	140.8	146.7	160.8	181.9	215.9	272.3	369.6	533.9	769.8	1045.5	1314.2
107.5°	172.0	177.9	192.9	213.1	246.7	298.3	387.0	527.4	717.2	942.3	1180.2
110°	193.6	199.4	213.6	234.7	266.4	318.0	400.1	529.3	699.4	890.7	1099.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	214.3	221.1	234.2	255.4	287.0	336.8	414.2	534.8	690.9	861.5	1040.4
115°	245.3	253.5	265.2	287.5	319.2	366.1	436.6	545.6	686.5	834.4	981.0
117.5°	276.0	283.3	296.2	317.1	349.9	394.6	459.3	557.1	685.3	822.1	951.9
120°	295.7	304.0	316.8	336.8	369.6	414.2	475.2	565.6	685.3	815.6	938.8
122.5°	314.5	322.8	334.7	356.5	388.4	433.0	490.3	574.1	684.4	808.1	927.5
125°	341.4	348.5	361.4	383.7	416.6	458.8	512.8	586.7	683.0	795.6	908.3
127.5°	362.3	370.8	385.6	408.8	441.9	482.7	532.3	596.8	680.3	778.9	884.7
130°	375.5	384.9	402.5	424.7	458.8	498.8	544.5	604.3	679.4	768.6	866.1
132.5°	386.8	399.0	415.7	439.8	472.0	511.9	556.7	610.9	678.5	759.2	846.3
135°	404.9	416.6	436.6	461.2	491.7	530.4	572.7	620.8	677.1	745.2	819.1
137.5°	421.7	434.6	453.6	479.3	508.4	544.5	583.9	626.6	676.8	733.0	794.5
140°	433.0	446.0	465.9	490.5	518.7	553.9	591.4	631.4	675.9	726.4	780.3
142.5°	446.2	458.1	477.2	500.8	528.1	562.3	597.0	635.1	675.9	720.7	767.2
145°	464.7	476.5	492.8	515.1	541.0	571.5	603.2	637.2	673.6	711.1	748.7
147.5°	483.2	493.5	510.5	529.0	552.2	580.9	608.5	638.3	669.3	702.5	733.5
150°	496.3	505.7	519.9	537.5	559.8	585.5	611.4	638.3	666.5	695.9	724.1
152.5°	507.7	517.1	530.2	545.9	566.3	589.4	613.3	636.5	661.9	688.3	713.7
155°	525.7	532.7	544.5	557.4	575.0	594.9	614.9	633.7	654.8	677.1	698.2
157.5°	541.2	547.8	556.9	568.2	582.1	599.0	614.9	630.7	647.5	665.6	681.6
160°	551.5	556.2	564.4	573.8	586.7	600.8	614.9	627.8	641.9	657.1	671.3
162.5°	560.0	563.7	571.0	579.5	589.6	602.7	614.9	625.0	636.2	649.6	660.9
165°	571.5	573.8	579.7	585.5	592.6	603.2	612.6	619.6	627.8	637.2	646.6
167.5°	580.9	582.1	586.5	589.8	595.2	602.9	609.8	614.0	619.4	625.9	632.8
170°	585.5	586.7	590.3	592.6	596.1	602.0	607.8	610.2	613.7	618.4	624.3
172.5°	590.3	590.5	593.1	594.5	597.0	601.1	606.0	606.4	608.0	611.9	616.7
175°	594.9	594.9	596.1	597.3	597.3	599.7	603.2	602.0	602.0	604.3	606.7
177.5°	597.3	596.3	597.3	597.3	597.3	598.2	600.1	598.2	598.2	599.2	600.1
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	999.8	1000.4	1003.2	1005.4	1006.0	1009.2	1009.5
5°	1087.6	1094.3	1107.2	1108.4	1110.3	1120.6	1112.8
7.5°	1190.5	1207.5	1218.8	1228.8	1232.4	1236.9	1236.0
10°	1256.6	1281.7	1294.2	1314.3	1315.1	1320.2	1317.1
12.5°	1322.9	1352.1	1375.0	1378.8	1395.5	1398.2	1402.6
15°	1416.8	1447.9	1479.8	1491.2	1514.3	1519.8	1528.4
17.5°	1505.2	1536.9	1559.2	1588.7	1598.2	1610.9	1602.4
20°	1553.6	1588.2	1616.5	1639.6	1649.5	1656.6	1655.8
22.5°	1582.9	1617.7	1640.6	1658.2	1667.4	1670.4	1670.2
25°	1601.1	1621.2	1628.3	1635.0	1624.8	1621.2	1622.8
27.5°	1550.2	1545.0	1526.6	1502.4	1477.2	1457.2	1446.4
30°	1480.2	1449.5	1421.6	1372.9	1347.7	1332.8	1319.4
32.5°	1380.8	1332.2	1278.6	1234.0	1205.3	1183.2	1179.8
35°	1210.6	1137.5	1071.9	1017.2	989.0	965.0	959.5
37.5°	1029.3	953.3	894.2	846.1	815.7	798.8	783.0
40°	908.8	843.6	785.5	744.6	721.4	709.2	699.4
42.5°	816.1	756.5	698.7	667.5	646.6	639.1	633.4
45°	688.0	632.6	592.5	569.0	556.7	544.2	538.3
47.5°	585.4	540.4	513.9	493.9	480.9	473.4	469.6
50°	527.3	490.4	466.8	451.5	439.7	433.7	430.6
52.5°	475.7	445.5	425.7	413.4	405.5	401.1	399.8
55°	409.8	386.7	374.1	363.5	357.6	353.7	352.0
57.5°	356.2	338.4	328.2	319.4	317.2	313.9	312.8
60°	321.0	307.3	298.6	292.8	290.7	286.8	287.6
62.5°	289.9	278.6	271.2	267.9	265.3	262.0	263.1
65°	245.2	236.9	233.0	229.8	226.7	224.8	226.3
67.5°	205.7	200.1	194.7	192.9	191.4	191.1	189.3
70°	180.0	175.2	170.6	169.4	169.4	167.7	167.3
72.5°	155.1	151.7	148.6	147.6	146.4	147.0	145.4
75°	119.9	117.0	115.9	114.7	114.3	114.3	113.2
77.5°	88.6	86.5	84.6	84.6	83.2	82.7	82.5
80°	67.2	66.4	64.8	64.8	64.0	64.4	63.6
82.5°	50.5	49.4	49.1	48.5	47.4	47.5	46.7
85°	27.1	26.0	25.5	24.3	23.5	24.3	23.5
87.5°	13.9	13.8	13.5	13.1	13.0	12.8	11.8
90°	22.3	23.4	23.4	24.6	25.9	24.6	24.6
92.5°	173.4	138.0	114.5	100.7	94.3	90.4	90.4
95°	687.6	530.4	416.6	359.1	322.8	301.5	286.3
97.5°	1217.1	1102.4	979.9	895.5	825.0	789.7	765.4
100°	1438.7	1381.2	1294.3	1192.2	1120.6	1085.5	1076.1
102.5°	1525.0	1541.7	1505.5	1442.9	1391.0	1353.9	1346.5
105°	1517.3	1633.5	1681.5	1683.9	1674.6	1658.1	1651.0
107.5°	1396.4	1560.0	1664.7	1722.6	1749.4	1761.1	1764.2
110°	1302.5	1472.7	1601.7	1685.1	1734.3	1755.5	1766.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1219.9	1380.7	1509.7	1604.4	1664.0	1693.5	1710.7
115°	1125.4	1262.6	1375.3	1468.0	1538.4	1576.0	1585.4
117.5°	1071.4	1179.3	1274.9	1353.9	1413.1	1451.1	1458.3
120°	1047.9	1141.8	1225.1	1292.0	1343.6	1374.1	1387.0
122.5°	1032.9	1118.3	1191.3	1247.9	1292.0	1317.8	1330.7
125°	1009.2	1090.1	1154.7	1201.6	1235.7	1258.0	1265.0
127.5°	981.3	1062.0	1123.3	1170.4	1200.7	1219.5	1226.5
130°	958.8	1038.5	1100.8	1148.8	1178.1	1196.9	1204.0
132.5°	933.4	1011.3	1073.5	1120.6	1153.8	1171.5	1178.6
135°	895.3	966.9	1025.6	1072.6	1105.4	1124.2	1131.3
137.5°	859.0	919.3	972.3	1016.2	1048.6	1064.1	1072.6
140°	835.5	888.3	937.6	978.7	1004.5	1020.9	1030.3
142.5°	815.8	861.1	903.8	940.2	964.1	978.7	985.2
145°	788.6	823.7	856.7	886.0	905.9	917.7	923.5
147.5°	765.1	793.2	819.1	840.7	857.8	866.8	868.8
150°	751.0	774.5	795.6	814.4	829.6	836.7	837.9
152.5°	736.9	758.5	775.9	791.8	804.3	808.5	809.7
155°	717.0	734.6	748.7	760.4	769.8	773.4	773.4
157.5°	697.3	712.1	723.4	732.3	739.3	741.4	741.4
160°	684.1	697.0	706.4	713.5	720.5	721.6	721.6
162.5°	672.0	682.1	690.4	695.6	702.7	703.9	702.9
165°	653.6	661.9	667.7	672.4	677.1	675.9	674.8
167.5°	638.1	644.7	648.2	650.6	653.6	653.4	652.5
170°	627.8	632.5	636.0	638.3	639.5	638.3	638.3
172.5°	619.4	622.2	624.7	626.1	627.3	626.1	624.3
175°	607.8	610.2	610.2	610.2	612.6	610.2	607.8
177.5°	601.1	601.1	602.0	601.1	602.0	600.1	598.2
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3

(END OF REPORT)