

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: P333544

Luminaire Tested: **S125RDIP-S610D1205U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333544  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S610D1205U835-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7215.1 lumens  
Efficiency: N/A  
Efficacy: 146.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

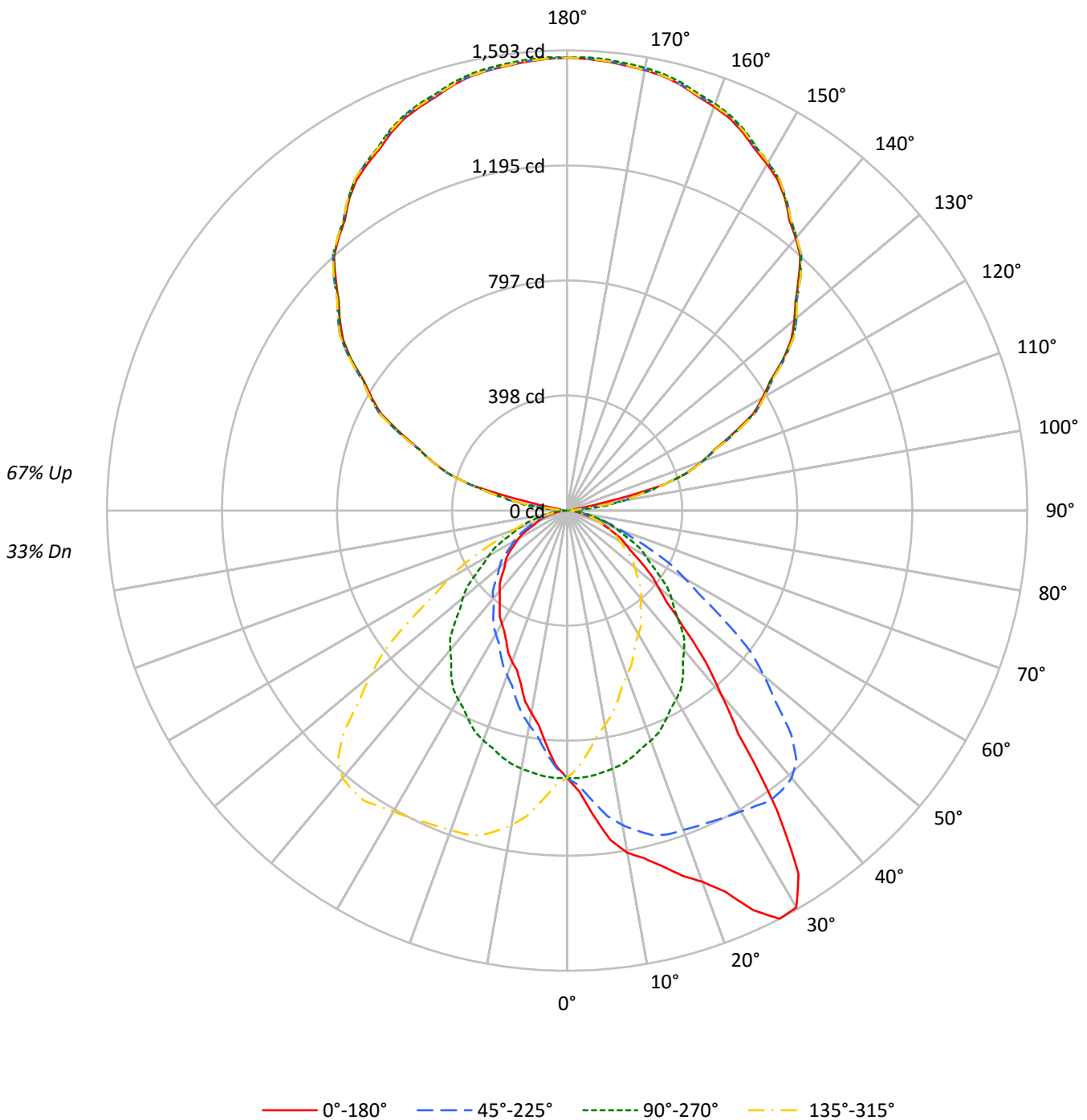
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35	29
2	86	79	73	68	77	72	67	62	57	54	51	44	42	40	32	31	30	24
3	79	70	63	57	71	63	57	52	51	47	43	39	37	34	29	27	26	21
4	72	62	54	48	65	56	49	44	45	41	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	36	32	32	28	26	23	21	19	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14	11
9	48	37	29	24	44	33	27	23	27	23	19	22	18	16	16	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5977	5977	5977	5977
5°	6876	5984	5285	5984
10°	7887	5954	4663	5954
15°	8519	5893	4145	5893
20°	9394	5822	3827	5822
25°	10871	5728	3552	5728
30°	11830	5629	3371	5629
35°	9979	5513	3205	5513
40°	6969	5306	3062	5306
45°	5170	5027	2922	5027
50°	4122	4736	2801	4736
55°	3498	4376	2694	4376
60°	3023	4053	2523	4053
65°	2694	3704	2172	3704
70°	2368	3393	1979	3393
75°	2049	2939	1859	2939
80°	1555	2473	1555	2473
85°	1297	1941	1467	1941



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.7	1.2
10°-20°	260.1	3.6
20°-30°	412.3	5.7
30°-40°	497.2	6.9
40°-50°	444.0	6.2
50°-60°	340.5	4.7
60°-70°	221.3	3.1
70°-80°	107.6	1.5
80°-90°	28.9	0.4
90°-100°	57.0	0.8
100°-110°	351.1	4.9
110°-120°	636.8	8.8
120°-130°	817.3	11.3
130°-140°	879.1	12.2
140°-150°	825.1	11.4
150°-160°	667.5	9.3
160°-170°	431.7	6.0
170°-180°	148.9	2.1
0°-30°	761.1	10.5
0°-40°	1258.3	17.4
0°-60°	2042.9	28.3
0°-90°	2400.7	33.3
90°-120°	1044.9	14.5
90°-150°	3566.4	49.4
90°-180°	4814.0	66.7
0°-180°	7215.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1061	923	815	923	1061	106
15°	1274	881	620	881	1274	365
25°	1526	804	498	804	1526	700
35°	1266	699	406	699	1266	765
45°	566	550	320	550	566	452
55°	311	389	239	389	311	282
65°	176	242	142	242	176	175
75°	82	118	74	118	82	87
85°	18	26	20	26	18	21
90°	28	1	28	1	28	13
95°	24	66	24	66	24	20
105°	345	342	345	342	345	312
115°	637	642	637	642	637	632
125°	912	912	912	912	912	812
135°	1133	1138	1133	1138	1133	874
145°	1316	1319	1316	1319	1316	822
155°	1442	1453	1442	1453	1442	665
165°	1525	1533	1525	1533	1525	430
175°	1561	1568	1561	1568	1561	149
180°	1568	1568	1568	1568	1568	



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CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	973.4	972.8	974.0	970.6	971.0	965.8	965.8	961.8	956.7	952.7	950.9
5°	1060.6	1061.4	1059.8	1054.1	1050.3	1044.6	1038.2	1026.8	1017.3	1008.2	1001.0
7.5°	1150.4	1150.9	1145.9	1144.2	1134.6	1127.6	1113.3	1097.8	1084.0	1066.5	1053.2
10°	1202.7	1202.3	1197.0	1192.8	1184.4	1173.8	1159.7	1141.5	1124.4	1105.4	1087.2
12.5°	1233.1	1232.1	1230.4	1225.3	1217.6	1208.1	1196.2	1178.3	1157.2	1136.4	1115.2
15°	1274.1	1271.4	1266.5	1260.0	1249.0	1238.0	1224.7	1208.8	1188.6	1165.1	1145.3
17.5°	1324.8	1324.9	1317.3	1308.4	1293.4	1273.9	1253.4	1227.7	1200.3	1174.4	1153.4
20°	1366.8	1365.6	1358.0	1340.6	1323.5	1299.2	1275.6	1244.1	1210.7	1176.8	1150.6
22.5°	1426.9	1424.0	1416.1	1393.1	1366.6	1335.3	1299.3	1260.8	1220.4	1182.0	1147.6
25°	1525.6	1523.3	1507.7	1481.1	1443.9	1395.6	1348.5	1295.7	1237.6	1187.1	1145.3
27.5°	1593.0	1590.5	1579.0	1556.9	1522.5	1471.8	1408.0	1337.5	1264.9	1195.4	1135.1
30°	1586.3	1592.0	1590.5	1580.3	1554.4	1508.8	1450.0	1370.6	1284.3	1202.7	1130.9
32.5°	1490.9	1496.0	1509.4	1529.5	1531.0	1512.8	1468.8	1395.5	1306.2	1213.3	1127.5
35°	1265.7	1272.6	1298.4	1339.0	1392.2	1436.7	1445.8	1406.3	1326.1	1226.2	1122.5
37.5°	973.1	1010.5	1032.2	1075.0	1155.3	1237.1	1315.7	1344.7	1310.6	1220.9	1114.4
40°	826.6	835.7	874.5	922.7	990.3	1075.4	1187.5	1268.4	1271.0	1208.8	1101.6
42.5°	707.5	719.0	745.6	784.1	842.0	927.1	1042.8	1149.6	1199.0	1175.3	1084.9
45°	566.0	574.7	594.1	623.7	668.2	738.5	838.0	961.5	1059.5	1097.8	1040.1
47.5°	465.0	469.7	486.5	509.1	542.0	593.2	670.2	777.4	895.0	977.4	969.3
50°	410.3	415.6	428.5	445.6	473.3	516.6	578.2	667.4	788.6	889.3	909.4
52.5°	367.7	372.1	380.2	396.4	419.2	452.5	502.2	583.0	692.0	799.0	845.6
55°	310.7	313.8	320.2	329.3	347.6	371.5	414.4	470.3	558.4	666.3	734.7
57.5°	263.8	265.3	269.4	277.8	290.4	307.9	338.9	386.3	449.5	546.6	622.1
60°	234.0	235.5	240.8	246.5	256.4	272.4	296.7	329.7	390.5	470.7	547.0
62.5°	210.3	211.2	213.5	219.2	227.8	240.2	259.3	286.3	334.6	405.0	477.1
65°	176.3	176.6	177.4	182.0	187.3	196.4	208.9	227.9	264.4	317.6	381.4
67.5°	143.6	144.1	146.8	148.4	153.9	158.7	166.1	180.6	206.3	242.1	291.7
70°	125.4	125.0	127.6	129.5	131.4	137.1	142.1	153.8	169.8	197.2	238.6
72.5°	108.3	107.4	108.5	109.2	111.7	115.6	120.5	127.7	140.0	158.9	190.5
75°	82.1	82.4	82.4	83.2	85.1	86.6	88.1	91.9	98.8	111.3	128.4
77.5°	57.6	57.0	58.6	58.8	59.9	61.6	62.9	64.4	67.2	72.4	81.2
80°	41.8	41.8	42.2	43.3	42.9	43.7	45.6	47.1	50.5	53.6	56.6
82.5°	32.1	31.8	32.1	32.4	32.3	33.0	33.7	34.0	35.3	36.8	39.0
85°	17.5	17.5	17.9	17.9	18.2	18.2	18.6	18.6	18.6	19.0	19.4
87.5°	12.3	11.8	11.3	11.2	11.3	11.7	11.2	10.6	10.4	10.1	10.0
90°	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2	19.9	18.6	16.8
92.5°	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2	19.9	18.6	17.0
95°	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2	19.9	18.6	28.4
97.5°	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6	49.9	57.2	76.6
100°	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3	163.7	202.2	201.2
102.5°	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4	250.7	258.0	257.4
105°	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5	438.4	438.4	437.9
110°	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2	499.0	499.7	499.2



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3	558.3	559.2	558.9
115°	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4	647.5	648.5	648.2
117.5°	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5	733.9	735.2	734.2
120°	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1	788.6	789.1	788.3
122.5°	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1	841.6	842.1	841.8
125°	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4	919.4	920.4	920.4
127.5°	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0	989.6	990.2	990.3
130°	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1	1035.9	1036.7	1036.4
132.5°	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2	1078.4	1078.5	1079.1
135°	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4	1141.9	1142.4	1142.9
137.5°	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3	1200.2	1200.1	1200.5
140°	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4	1235.9	1235.4	1235.7
142.5°	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9	1271.8	1271.7	1271.3
145°	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9	1321.7	1321.4	1321.4
147.5°	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8	1364.5	1364.2	1363.9
150°	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2	1391.6	1391.1	1390.6
152.5°	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3	1415.8	1415.3	1414.8
155°	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6	1448.9	1448.1	1447.6
157.5°	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2	1476.3	1475.5	1475.5
160°	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3	1493.3	1492.2	1492.0
162.5°	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0	1508.6	1507.1	1506.9
165°	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2	1528.7	1527.1	1526.8
167.5°	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5	1543.6	1541.8	1541.5
170°	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3	1551.3	1549.2	1548.9
172.5°	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4	1557.6	1555.7	1555.2
175°	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1	1564.0	1562.0	1561.7
177.5°	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8	1567.4	1565.9	1565.7
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	950.9	948.8	944.8	941.2	936.6	932.7	929.9	926.6	922.3	917.2	912.9
5°	993.0	984.6	973.6	964.1	952.0	942.5	932.6	923.1	913.6	901.4	890.8
7.5°	1039.6	1022.4	1005.6	984.5	965.3	948.2	931.8	915.2	898.9	881.7	865.0
10°	1068.2	1047.3	1024.1	997.5	973.2	950.1	928.8	907.9	885.9	866.5	845.6
12.5°	1094.9	1068.0	1041.5	1007.9	978.7	950.4	923.3	897.3	873.7	848.6	826.1
15°	1119.1	1092.5	1062.9	1021.9	981.2	947.0	915.1	881.3	852.1	823.9	798.9
17.5°	1128.4	1100.6	1066.1	1026.7	982.3	939.3	898.2	861.1	826.7	793.9	765.7
20°	1124.8	1097.8	1062.5	1024.9	977.4	932.6	888.1	847.1	808.7	774.2	744.2
22.5°	1116.0	1088.1	1054.0	1014.3	969.2	921.6	874.2	830.4	790.2	754.4	721.7
25°	1102.8	1064.8	1029.8	991.1	948.2	901.1	852.1	803.8	760.9	724.4	688.7
27.5°	1089.0	1041.6	997.2	958.6	913.3	871.3	824.0	774.6	729.4	692.3	655.7
30°	1076.6	1023.4	974.4	930.7	887.8	847.9	803.0	754.8	708.5	670.1	632.9
32.5°	1061.1	1004.5	950.7	900.3	858.9	819.3	778.7	732.6	687.5	647.9	610.1
35°	1041.6	969.4	910.9	857.4	811.4	773.0	736.6	699.3	654.1	613.1	576.3
37.5°	1016.1	934.2	866.5	808.1	759.7	721.1	692.4	658.3	617.1	577.8	543.6
40°	1000.6	908.7	834.6	776.8	725.9	685.3	658.3	629.4	591.8	555.0	520.8
42.5°	979.9	885.3	802.4	742.2	691.0	651.9	624.6	599.4	567.8	533.1	496.5
45°	939.4	839.9	752.9	688.3	636.7	598.3	572.8	550.4	526.5	494.6	462.7
47.5°	886.7	792.6	701.5	631.0	580.4	544.8	520.1	502.4	485.3	458.2	427.2
50°	844.5	753.7	664.8	596.4	542.5	508.6	485.5	471.4	455.8	431.2	405.3
52.5°	794.6	713.6	626.5	556.6	505.7	474.0	451.7	437.7	424.8	404.7	380.1
55°	716.1	645.0	565.2	501.8	455.1	423.2	401.9	388.6	381.0	363.9	344.5
57.5°	625.4	574.5	504.2	443.0	401.7	370.1	354.6	343.3	334.7	322.6	308.9
60°	562.2	526.5	463.4	405.3	367.3	337.3	323.3	313.8	305.8	295.5	284.9
62.5°	498.1	472.1	417.3	367.3	332.4	307.2	294.1	285.5	276.3	269.4	259.1
65°	412.2	389.0	351.0	311.9	279.6	259.5	250.0	242.4	236.7	229.1	221.8
67.5°	320.6	311.2	285.0	258.0	234.8	216.9	208.7	203.4	196.5	192.0	187.0
70°	264.4	259.8	241.2	223.4	201.7	189.6	182.0	179.7	171.3	166.8	163.3
72.5°	214.6	212.4	201.7	189.3	174.1	163.4	156.4	153.8	148.5	144.9	142.7
75°	147.0	147.8	145.9	137.9	132.2	125.4	119.3	117.8	114.0	110.9	109.0
77.5°	93.0	96.9	97.0	96.6	94.4	90.2	87.7	86.5	82.8	81.7	81.2
80°	63.8	68.0	71.8	71.4	70.7	69.5	67.6	66.5	64.6	63.4	62.7
82.5°	42.5	46.4	49.6	51.7	51.5	50.4	49.1	48.5	48.2	47.3	47.2
85°	20.1	20.9	22.0	24.7	26.6	27.0	26.6	26.2	25.1	25.5	25.8
87.5°	10.0	9.6	9.6	9.2	8.5	9.6	10.1	10.0	9.8	9.6	9.4
90°	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2	3.2	5.3	7.4
92.5°	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9	16.5	15.0	13.6
95°	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2	65.5	64.7	63.9
97.5°	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3	139.7	141.1	142.5
100°	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1	194.9	195.6	196.4
102.5°	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8	251.8	252.8	253.7
105°	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7	342.7	343.7	344.8
107.5°	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
110°	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4





TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1	555.7	556.3	556.9
115°	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5	642.8	644.1	645.4
117.5°	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0	731.0	730.9	730.9
120°	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8	786.5	786.3	786.0
122.5°	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1	837.1	838.0	839.0
125°	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3	914.1	915.9	917.7
127.5°	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1	986.4	987.6	988.9
130°	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7	1031.0	1032.3	1033.6
132.5°	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3	1075.8	1077.3	1078.8
135°	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8	1139.3	1140.9	1142.4
137.5°	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1	1197.5	1198.8	1200.1
140°	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2	1234.8	1235.3	1235.8
142.5°	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6	1268.9	1269.3	1269.6
145°	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1	1319.6	1320.1	1320.6
147.5°	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2	1363.1	1363.0	1362.9
150°	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1390.6	1390.1	1389.6
152.5°	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1	1417.0	1415.8	1414.7
155°	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7	1451.2	1449.6	1448.1
157.5°	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5	1478.5	1477.6	1476.7
160°	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1	1496.5	1495.0	1493.4
162.5°	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9	1511.4	1509.8	1508.3
165°	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9	1531.4	1529.8	1528.3
167.5°	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8	1546.2	1544.6	1543.0
170°	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2	1554.4	1552.5	1550.7
172.5°	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7	1559.9	1558.1	1556.3
175°	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8	1566.2	1564.7	1563.1
177.5°	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6	1569.3	1568.1	1566.9
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	909.9	905.6	902.6	896.5	892.2	890.4	887.1	886.2	889.5	887.1	886.8
5°	882.8	871.8	863.1	854.3	844.8	838.8	829.6	828.1	825.8	822.4	821.7
7.5°	850.4	836.0	824.8	810.3	797.8	787.7	776.3	770.9	767.9	763.5	757.6
10°	828.5	811.4	796.2	781.8	766.2	753.7	742.3	733.5	727.8	722.5	720.2
12.5°	806.9	789.5	770.1	752.6	735.2	721.1	708.5	702.8	696.5	690.3	685.0
15°	773.4	750.2	729.0	708.8	694.0	678.8	666.7	658.3	648.8	646.2	635.9
17.5°	737.9	715.1	690.2	669.0	651.9	635.1	621.8	612.3	605.1	595.3	590.6
20°	715.7	688.7	664.4	645.0	626.0	606.3	592.6	584.6	577.8	569.8	566.0
22.5°	692.0	665.6	640.7	618.0	598.7	579.2	569.5	561.2	553.5	546.1	541.1
25°	657.2	630.6	604.4	580.8	560.7	546.6	535.2	525.7	521.6	514.3	509.0
27.5°	622.8	594.5	567.3	543.8	528.0	514.1	504.8	497.3	489.7	483.4	478.8
30°	600.6	571.7	542.1	523.5	506.7	493.5	483.2	476.0	470.3	464.6	461.2
32.5°	578.4	548.6	522.3	502.2	486.4	474.9	464.4	457.4	451.4	445.1	441.1
35°	542.8	512.4	491.2	471.4	455.8	445.2	438.0	428.1	423.2	418.6	414.4
37.5°	509.8	481.5	458.5	441.2	427.7	417.1	407.8	402.4	396.4	392.3	388.8
40°	485.5	459.6	438.8	420.5	410.6	398.9	390.1	383.3	378.7	373.4	369.6
42.5°	463.6	439.6	419.3	402.9	390.6	380.6	372.2	365.4	359.6	355.8	352.6
45°	432.7	408.7	389.0	373.8	362.4	352.9	344.2	340.7	333.1	328.6	327.1
47.5°	400.7	379.3	360.2	346.2	334.5	325.5	317.3	310.4	306.2	301.7	299.3
50°	379.1	358.6	340.7	327.1	315.7	305.8	298.2	293.6	287.9	283.8	280.7
52.5°	357.5	338.5	320.7	307.6	297.7	287.9	279.4	274.8	269.4	266.7	264.6
55°	326.7	306.6	291.4	278.4	268.2	259.1	251.1	246.5	243.1	240.5	239.7
57.5°	291.7	275.8	261.7	250.0	239.4	230.8	223.8	219.5	216.5	216.1	213.8
60°	268.9	254.5	241.6	229.1	219.9	212.0	205.9	201.0	197.9	197.5	196.8
62.5°	246.2	232.3	220.3	209.3	201.1	193.4	187.7	182.1	180.3	178.4	176.7
65°	212.3	199.8	189.9	181.2	172.5	166.0	160.3	156.9	152.7	150.4	146.3
67.5°	179.1	169.4	159.9	152.6	145.7	139.6	134.9	129.8	127.0	125.1	122.1
70°	157.3	149.7	140.2	132.2	126.9	121.9	118.1	112.4	110.5	109.0	107.5
72.5°	136.6	129.9	121.9	115.5	110.2	105.5	101.1	98.5	96.6	95.0	94.1
75°	107.5	101.0	94.2	89.6	85.9	82.1	79.8	77.9	77.1	76.7	75.2
77.5°	78.9	75.5	70.0	66.4	63.9	62.4	60.3	59.3	59.3	57.6	57.1
80°	60.4	58.5	53.9	52.4	50.5	49.0	47.9	46.0	44.1	43.3	42.2
82.5°	44.9	43.0	41.2	38.7	37.2	36.2	35.1	34.4	34.6	33.6	33.0
85°	23.9	22.0	21.3	20.9	20.1	20.9	20.5	20.1	19.8	19.4	19.8
87.5°	9.5	9.9	9.9	10.9	10.3	11.0	11.3	11.2	11.5	11.7	11.6
90°	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2	22.5	23.8	24.8
92.5°	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2	22.5	23.8	24.6
95°	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2	22.5	23.8	24.4
97.5°	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6	35.3	28.0	24.4
100°	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3	86.8	48.3	28.5
102.5°	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4	236.2	228.9	216.5
105°	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.2
107.5°	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5	438.5	438.6	438.2
110°	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2	497.4	496.6	496.4



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3	556.3	555.3	554.6
115°	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4	645.4	644.4	643.1
117.5°	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5	731.2	729.8	728.8
120°	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1	787.6	787.1	786.2
122.5°	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1	840.6	840.1	839.0
125°	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4	917.3	916.3	915.4
127.5°	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0	988.5	987.9	986.7
130°	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1	1034.3	1033.6	1032.5
132.5°	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2	1078.0	1077.9	1077.2
135°	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4	1140.9	1140.4	1139.3
137.5°	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3	1200.4	1200.5	1199.9
140°	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4	1236.9	1237.5	1236.9
142.5°	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9	1272.0	1272.1	1271.4
145°	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9	1322.2	1322.4	1321.8
147.5°	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8	1365.1	1365.4	1364.6
150°	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2	1392.7	1393.2	1392.4
152.5°	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3	1416.9	1417.4	1416.7
155°	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6	1450.4	1451.2	1450.5
157.5°	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2	1478.0	1478.8	1478.2
160°	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3	1495.3	1496.4	1495.9
162.5°	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0	1511.5	1512.9	1512.5
165°	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2	1531.8	1533.3	1533.0
167.5°	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5	1547.3	1549.2	1549.0
170°	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3	1555.4	1557.5	1557.3
172.5°	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4	1561.3	1563.1	1562.9
175°	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1	1568.2	1570.2	1570.1
177.5°	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8	1570.3	1571.7	1571.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	886.5	883.1	882.2	883.4	882.2	883.1	886.5	886.8	887.1	889.5	886.2
5°	817.9	814.1	816.0	815.2	816.0	814.1	817.9	821.7	822.4	825.8	828.1
7.5°	757.5	752.8	747.8	749.4	747.8	752.8	757.5	757.6	763.5	767.9	770.9
10°	715.3	711.5	709.2	711.1	709.2	711.5	715.3	720.2	722.5	727.8	733.5
12.5°	679.7	677.5	675.5	674.7	675.5	677.5	679.7	685.0	690.3	696.5	702.8
15°	631.3	626.8	624.9	620.0	624.9	626.8	631.3	635.9	646.2	648.8	658.3
17.5°	586.7	585.2	580.3	578.2	580.3	585.2	586.7	590.6	595.3	605.1	612.3
20°	560.3	558.8	553.9	556.9	553.9	558.8	560.3	566.0	569.8	577.8	584.6
22.5°	538.4	535.1	533.5	532.6	533.5	535.1	538.4	541.1	546.1	553.5	561.2
25°	507.5	502.6	500.7	498.4	500.7	502.6	507.5	509.0	514.3	521.6	525.7
27.5°	476.7	474.0	471.5	470.9	471.5	474.0	476.7	478.8	483.4	489.7	497.3
30°	456.6	453.9	452.0	452.0	452.0	453.9	456.6	461.2	464.6	470.3	476.0
32.5°	438.7	436.6	434.7	434.4	434.7	436.6	438.7	441.1	445.1	451.4	457.4
35°	412.5	409.5	408.7	406.5	408.7	409.5	412.5	414.4	418.6	423.2	428.1
37.5°	385.4	382.9	382.8	382.6	382.8	382.9	385.4	388.8	392.3	396.4	402.4
40°	368.1	366.2	365.8	363.2	365.8	366.2	368.1	369.6	373.4	378.7	383.3
42.5°	349.6	348.6	347.3	346.1	347.3	348.6	349.6	352.6	355.8	359.6	365.4
45°	324.4	321.8	321.8	319.9	321.8	321.8	324.4	327.1	328.6	333.1	340.7
47.5°	298.4	296.4	296.6	294.6	296.6	296.4	298.4	299.3	301.7	306.2	310.4
50°	281.1	280.0	279.6	278.8	279.6	280.0	281.1	280.7	283.8	287.9	293.6
52.5°	263.8	263.3	264.7	263.0	264.7	263.3	263.8	264.6	266.7	269.4	274.8
55°	240.5	239.3	241.6	239.3	241.6	239.3	240.5	239.7	240.5	243.1	246.5
57.5°	213.6	212.6	214.6	213.5	214.6	212.6	213.6	213.8	216.1	216.5	219.5
60°	196.0	193.7	194.9	195.3	194.9	193.7	196.0	196.8	197.5	197.9	201.0
62.5°	175.0	173.7	174.5	172.8	174.5	173.7	175.0	176.7	178.4	180.3	182.1
65°	145.5	144.4	142.8	142.1	142.8	144.4	145.5	146.3	150.4	152.7	156.9
67.5°	122.2	119.5	119.4	120.0	119.4	119.5	122.2	122.1	125.1	127.0	129.8
70°	105.2	105.2	104.8	104.8	104.8	105.2	105.2	107.5	109.0	110.5	112.4
72.5°	93.4	93.1	92.4	92.1	92.4	93.1	93.4	94.1	95.0	96.6	98.5
75°	75.2	75.6	74.8	74.5	74.8	75.6	75.2	75.2	76.7	77.1	77.9
77.5°	55.5	53.9	54.8	53.9	54.8	53.9	55.5	57.1	57.6	59.3	59.3
80°	42.2	41.8	42.9	41.8	42.9	41.8	42.2	42.2	43.3	44.1	46.0
82.5°	33.4	33.0	33.5	32.7	33.5	33.0	33.4	33.0	33.6	34.6	34.4
85°	20.1	19.8	19.4	19.8	19.4	19.8	20.1	19.8	19.4	19.8	20.1
87.5°	12.1	12.0	12.1	12.3	12.1	12.0	12.1	11.6	11.7	11.5	11.2
90°	25.6	26.3	27.1	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2
92.5°	24.9	25.3	25.7	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2
95°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2
97.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6
100°	27.5	26.5	25.4	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3
102.5°	198.9	181.3	163.8	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4
105°	345.9	345.7	345.4	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3
107.5°	437.4	436.7	435.9	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5
110°	496.6	496.9	497.2	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	554.3	553.9	553.6	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3
115°	641.5	640.0	638.4	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4
117.5°	728.1	727.5	726.8	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5
120°	784.9	783.6	782.3	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1
122.5°	837.5	836.0	834.6	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1
125°	914.6	913.9	913.1	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4
127.5°	984.8	982.8	980.9	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0
130°	1031.2	1030.0	1028.7	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1
132.5°	1075.9	1074.6	1073.3	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2
135°	1137.8	1136.2	1134.7	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4
137.5°	1198.5	1197.2	1195.8	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3
140°	1235.4	1233.9	1232.3	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4
142.5°	1269.8	1268.3	1266.7	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9
145°	1320.2	1318.7	1317.1	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9
147.5°	1362.8	1360.9	1359.1	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8
150°	1390.4	1388.3	1386.2	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2
152.5°	1414.8	1413.0	1411.1	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3
155°	1448.5	1446.4	1444.3	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6
157.5°	1476.1	1474.1	1472.0	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2
160°	1493.8	1491.7	1489.7	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3
162.5°	1510.2	1507.9	1505.7	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0
165°	1531.0	1528.9	1526.8	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2
167.5°	1546.6	1544.3	1542.0	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5
170°	1555.0	1552.7	1550.4	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3
172.5°	1560.6	1558.3	1555.9	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4
175°	1567.8	1565.5	1563.1	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1
177.5°	1570.0	1568.3	1566.6	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	887.1	890.4	892.2	896.5	902.6	905.6	909.9	912.9	917.2	922.3	926.6
5°	829.6	838.8	844.8	854.3	863.1	871.8	882.8	890.8	901.4	913.6	923.1
7.5°	776.3	787.7	797.8	810.3	824.8	836.0	850.4	865.0	881.7	898.9	915.2
10°	742.3	753.7	766.2	781.8	796.2	811.4	828.5	845.6	866.5	885.9	907.9
12.5°	708.5	721.1	735.2	752.6	770.1	789.5	806.9	826.1	848.6	873.7	897.3
15°	666.7	678.8	694.0	708.8	729.0	750.2	773.4	798.9	823.9	852.1	881.3
17.5°	621.8	635.1	651.9	669.0	690.2	715.1	737.9	765.7	793.9	826.7	861.1
20°	592.6	606.3	626.0	645.0	664.4	688.7	715.7	744.2	774.2	808.7	847.1
22.5°	569.5	579.2	598.7	618.0	640.7	665.6	692.0	721.7	754.4	790.2	830.4
25°	535.2	546.6	560.7	580.8	604.4	630.6	657.2	688.7	724.4	760.9	803.8
27.5°	504.8	514.1	528.0	543.8	567.3	594.5	622.8	655.7	692.3	729.4	774.6
30°	483.2	493.5	506.7	523.5	542.1	571.7	600.6	632.9	670.1	708.5	754.8
32.5°	464.4	474.9	486.4	502.2	522.3	548.6	578.4	610.1	647.9	687.5	732.6
35°	438.0	445.2	455.8	471.4	491.2	512.4	542.8	576.3	613.1	654.1	699.3
37.5°	407.8	417.1	427.7	441.2	458.5	481.5	509.8	543.6	577.8	617.1	658.3
40°	390.1	398.9	410.6	420.5	438.8	459.6	485.5	520.8	555.0	591.8	629.4
42.5°	372.2	380.6	390.6	402.9	419.3	439.6	463.6	496.5	533.1	567.8	599.4
45°	344.2	352.9	362.4	373.8	389.0	408.7	432.7	462.7	494.6	526.5	550.4
47.5°	317.3	325.5	334.5	346.2	360.2	379.3	400.7	427.2	458.2	485.3	502.4
50°	298.2	305.8	315.7	327.1	340.7	358.6	379.1	405.3	431.2	455.8	471.4
52.5°	279.4	287.9	297.7	307.6	320.7	338.5	357.5	380.1	404.7	424.8	437.7
55°	251.1	259.1	268.2	278.4	291.4	306.6	326.7	344.5	363.9	381.0	388.6
57.5°	223.8	230.8	239.4	250.0	261.7	275.8	291.7	308.9	322.6	334.7	343.3
60°	205.9	212.0	219.9	229.1	241.6	254.5	268.9	284.9	295.5	305.8	313.8
62.5°	187.7	193.4	201.1	209.3	220.3	232.3	246.2	259.1	269.4	276.3	285.5
65°	160.3	166.0	172.5	181.2	189.9	199.8	212.3	221.8	229.1	236.7	242.4
67.5°	134.9	139.6	145.7	152.6	159.9	169.4	179.1	187.0	192.0	196.5	203.4
70°	118.1	121.9	126.9	132.2	140.2	149.7	157.3	163.3	166.8	171.3	179.7
72.5°	101.1	105.5	110.2	115.5	121.9	129.9	136.6	142.7	144.9	148.5	153.8
75°	79.8	82.1	85.9	89.6	94.2	101.0	107.5	109.0	110.9	114.0	117.8
77.5°	60.3	62.4	63.9	66.4	70.0	75.5	78.9	81.2	81.7	82.8	86.5
80°	47.9	49.0	50.5	52.4	53.9	58.5	60.4	62.7	63.4	64.6	66.5
82.5°	35.1	36.2	37.2	38.7	41.2	43.0	44.9	47.2	47.3	48.2	48.5
85°	20.5	20.9	20.1	20.9	21.3	22.0	23.9	25.8	25.5	25.1	26.2
87.5°	11.3	11.0	10.3	10.9	9.9	9.9	9.5	9.4	9.6	9.8	10.0
90°	19.9	18.6	16.8	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2
92.5°	19.9	18.6	17.0	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9
95°	19.9	18.6	28.4	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2
97.5°	49.9	57.2	76.6	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3
100°	163.7	202.2	201.2	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1
102.5°	250.7	258.0	257.4	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8
105°	346.3	346.3	346.3	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7
107.5°	438.4	438.4	437.9	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1
110°	499.0	499.7	499.2	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	558.3	559.2	558.9	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1
115°	647.5	648.5	648.2	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5
117.5°	733.9	735.2	734.2	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0
120°	788.6	789.1	788.3	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8
122.5°	841.6	842.1	841.8	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1
125°	919.4	920.4	920.4	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3
127.5°	989.6	990.2	990.3	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1
130°	1035.9	1036.7	1036.4	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7
132.5°	1078.4	1078.5	1079.1	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3
135°	1141.9	1142.4	1142.9	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8
137.5°	1200.2	1200.1	1200.5	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1
140°	1235.9	1235.4	1235.7	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2
142.5°	1271.8	1271.7	1271.3	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6
145°	1321.7	1321.4	1321.4	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1
147.5°	1364.5	1364.2	1363.9	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2
150°	1391.6	1391.1	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1
152.5°	1415.8	1415.3	1414.8	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1
155°	1448.9	1448.1	1447.6	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7
157.5°	1476.3	1475.5	1475.5	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5
160°	1493.3	1492.2	1492.0	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1
162.5°	1508.6	1507.1	1506.9	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9
165°	1528.7	1527.1	1526.8	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9
167.5°	1543.6	1541.8	1541.5	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8
170°	1551.3	1549.2	1548.9	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2
172.5°	1557.6	1555.7	1555.2	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7
175°	1564.0	1562.0	1561.7	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8
177.5°	1567.4	1565.9	1565.7	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	929.9	932.7	936.6	941.2	944.8	948.8	950.9	950.9	952.7	956.7	961.8
5°	932.6	942.5	952.0	964.1	973.6	984.6	993.0	1001.0	1008.2	1017.3	1026.8
7.5°	931.8	948.2	965.3	984.5	1005.6	1022.4	1039.6	1053.2	1066.5	1084.0	1097.8
10°	928.8	950.1	973.2	997.5	1024.1	1047.3	1068.2	1087.2	1105.4	1124.4	1141.5
12.5°	923.3	950.4	978.7	1007.9	1041.5	1068.0	1094.9	1115.2	1136.4	1157.2	1178.3
15°	915.1	947.0	981.2	1021.9	1062.9	1092.5	1119.1	1145.3	1165.1	1188.6	1208.8
17.5°	898.2	939.3	982.3	1026.7	1066.1	1100.6	1128.4	1153.4	1174.4	1200.3	1227.7
20°	888.1	932.6	977.4	1024.9	1062.5	1097.8	1124.8	1150.6	1176.8	1210.7	1244.1
22.5°	874.2	921.6	969.2	1014.3	1054.0	1088.1	1116.0	1147.6	1182.0	1220.4	1260.8
25°	852.1	901.1	948.2	991.1	1029.8	1064.8	1102.8	1145.3	1187.1	1237.6	1295.7
27.5°	824.0	871.3	913.3	958.6	997.2	1041.6	1089.0	1135.1	1195.4	1264.9	1337.5
30°	803.0	847.9	887.8	930.7	974.4	1023.4	1076.6	1130.9	1202.7	1284.3	1370.6
32.5°	778.7	819.3	858.9	900.3	950.7	1004.5	1061.1	1127.5	1213.3	1306.2	1395.5
35°	736.6	773.0	811.4	857.4	910.9	969.4	1041.6	1122.5	1226.2	1326.1	1406.3
37.5°	692.4	721.1	759.7	808.1	866.5	934.2	1016.1	1114.4	1220.9	1310.6	1344.7
40°	658.3	685.3	725.9	776.8	834.6	908.7	1000.6	1101.6	1208.8	1271.0	1268.4
42.5°	624.6	651.9	691.0	742.2	802.4	885.3	979.9	1084.9	1175.3	1199.0	1149.6
45°	572.8	598.3	636.7	688.3	752.9	839.9	939.4	1040.1	1097.8	1059.5	961.5
47.5°	520.1	544.8	580.4	631.0	701.5	792.6	886.7	969.3	977.4	895.0	777.4
50°	485.5	508.6	542.5	596.4	664.8	753.7	844.5	909.4	889.3	788.6	667.4
52.5°	451.7	474.0	505.7	556.6	626.5	713.6	794.6	845.6	799.0	692.0	583.0
55°	401.9	423.2	455.1	501.8	565.2	645.0	716.1	734.7	666.3	558.4	470.3
57.5°	354.6	370.1	401.7	443.0	504.2	574.5	625.4	622.1	546.6	449.5	386.3
60°	323.3	337.3	367.3	405.3	463.4	526.5	562.2	547.0	470.7	390.5	329.7
62.5°	294.1	307.2	332.4	367.3	417.3	472.1	498.1	477.1	405.0	334.6	286.3
65°	250.0	259.5	279.6	311.9	351.0	389.0	412.2	381.4	317.6	264.4	227.9
67.5°	208.7	216.9	234.8	258.0	285.0	311.2	320.6	291.7	242.1	206.3	180.6
70°	182.0	189.6	201.7	223.4	241.2	259.8	264.4	238.6	197.2	169.8	153.8
72.5°	156.4	163.4	174.1	189.3	201.7	212.4	214.6	190.5	158.9	140.0	127.7
75°	119.3	125.4	132.2	137.9	145.9	147.8	147.0	128.4	111.3	98.8	91.9
77.5°	87.7	90.2	94.4	96.6	97.0	96.9	93.0	81.2	72.4	67.2	64.4
80°	67.6	69.5	70.7	71.4	71.8	68.0	63.8	56.6	53.6	50.5	47.1
82.5°	49.1	50.4	51.5	51.7	49.6	46.4	42.5	39.0	36.8	35.3	34.0
85°	26.6	27.0	26.6	24.7	22.0	20.9	20.1	19.4	19.0	18.6	18.6
87.5°	10.1	9.6	8.5	9.2	9.6	9.6	10.0	10.0	10.1	10.4	10.6
90°	3.2	5.3	7.4	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2
92.5°	16.5	15.0	13.6	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2
95°	65.5	64.7	63.9	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2
97.5°	139.7	141.1	142.5	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6
100°	194.9	195.6	196.4	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3
102.5°	251.8	252.8	253.7	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4
105°	342.7	343.7	344.8	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	436.1	436.1	436.1	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5
110°	497.4	497.4	497.4	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2





TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	555.7	556.3	556.9	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3
115°	642.8	644.1	645.4	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4
117.5°	731.0	730.9	730.9	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5
120°	786.5	786.3	786.0	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1
122.5°	837.1	838.0	839.0	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1
125°	914.1	915.9	917.7	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4
127.5°	986.4	987.6	988.9	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0
130°	1031.0	1032.3	1033.6	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1
132.5°	1075.8	1077.3	1078.8	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2
135°	1139.3	1140.9	1142.4	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4
137.5°	1197.5	1198.8	1200.1	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3
140°	1234.8	1235.3	1235.8	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4
142.5°	1268.9	1269.3	1269.6	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9
145°	1319.6	1320.1	1320.6	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9
147.5°	1363.1	1363.0	1362.9	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8
150°	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2
152.5°	1417.0	1415.8	1414.7	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3
155°	1451.2	1449.6	1448.1	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6
157.5°	1478.5	1477.6	1476.7	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2
160°	1496.5	1495.0	1493.4	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3
162.5°	1511.4	1509.8	1508.3	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0
165°	1531.4	1529.8	1528.3	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2
167.5°	1546.2	1544.6	1543.0	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5
170°	1554.4	1552.5	1550.7	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3
172.5°	1559.9	1558.1	1556.3	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4
175°	1566.2	1564.7	1563.1	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1
177.5°	1569.3	1568.1	1566.9	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	965.8	965.8	971.0	970.6	974.0	972.8	973.4
5°	1038.2	1044.6	1050.3	1054.1	1059.8	1061.4	1060.6
7.5°	1113.3	1127.6	1134.6	1144.2	1145.9	1150.9	1150.4
10°	1159.7	1173.8	1184.4	1192.8	1197.0	1202.3	1202.7
12.5°	1196.2	1208.1	1217.6	1225.3	1230.4	1232.1	1233.1
15°	1224.7	1238.0	1249.0	1260.0	1266.5	1271.4	1274.1
17.5°	1253.4	1273.9	1293.4	1308.4	1317.3	1324.9	1324.8
20°	1275.6	1299.2	1323.5	1340.6	1358.0	1365.6	1366.8
22.5°	1299.3	1335.3	1366.6	1393.1	1416.1	1424.0	1426.9
25°	1348.5	1395.6	1443.9	1481.1	1507.7	1523.3	1525.6
27.5°	1408.0	1471.8	1522.5	1556.9	1579.0	1590.5	1593.0
30°	1450.0	1508.8	1554.4	1580.3	1590.5	1592.0	1586.3
32.5°	1468.8	1512.8	1531.0	1529.5	1509.4	1496.0	1490.9
35°	1445.8	1436.7	1392.2	1339.0	1298.4	1272.6	1265.7
37.5°	1315.7	1237.1	1155.3	1075.0	1032.2	1010.5	973.1
40°	1187.5	1075.4	990.3	922.7	874.5	835.7	826.6
42.5°	1042.8	927.1	842.0	784.1	745.6	719.0	707.5
45°	838.0	738.5	668.2	623.7	594.1	574.7	566.0
47.5°	670.2	593.2	542.0	509.1	486.5	469.7	465.0
50°	578.2	516.6	473.3	445.6	428.5	415.6	410.3
52.5°	502.2	452.5	419.2	396.4	380.2	372.1	367.7
55°	414.4	371.5	347.6	329.3	320.2	313.8	310.7
57.5°	338.9	307.9	290.4	277.8	269.4	265.3	263.8
60°	296.7	272.4	256.4	246.5	240.8	235.5	234.0
62.5°	259.3	240.2	227.8	219.2	213.5	211.2	210.3
65°	208.9	196.4	187.3	182.0	177.4	176.6	176.3
67.5°	166.1	158.7	153.9	148.4	146.8	144.1	143.6
70°	142.1	137.1	131.4	129.5	127.6	125.0	125.4
72.5°	120.5	115.6	111.7	109.2	108.5	107.4	108.3
75°	88.1	86.6	85.1	83.2	82.4	82.4	82.1
77.5°	62.9	61.6	59.9	58.8	58.6	57.0	57.6
80°	45.6	43.7	42.9	43.3	42.2	41.8	41.8
82.5°	33.7	33.0	32.3	32.4	32.1	31.8	32.1
85°	18.6	18.2	18.2	17.9	17.9	17.5	17.5
87.5°	11.2	11.7	11.3	11.2	11.3	11.8	12.3
90°	22.5	23.8	24.8	25.6	26.3	27.1	27.9
92.5°	22.5	23.8	24.6	24.9	25.3	25.7	26.0
95°	22.5	23.8	24.4	24.4	24.4	24.4	24.4
97.5°	35.3	28.0	24.4	24.4	24.4	24.4	24.4
100°	86.8	48.3	28.5	27.5	26.5	25.4	24.4
102.5°	236.2	228.9	216.5	198.9	181.3	163.8	146.2
105°	346.3	346.3	346.2	345.9	345.7	345.4	345.2
107.5°	438.5	438.6	438.2	437.4	436.7	435.9	435.1
110°	497.4	496.6	496.4	496.6	496.9	497.2	497.4



TEST NUMBER: P333544

CATALOG NUMBER: S125RDIP-S610D1205U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	556.3	555.3	554.6	554.3	553.9	553.6	553.2
115°	645.4	644.4	643.1	641.5	640.0	638.4	636.9
117.5°	731.2	729.8	728.8	728.1	727.5	726.8	726.1
120°	787.6	787.1	786.2	784.9	783.6	782.3	781.0
122.5°	840.6	840.1	839.0	837.5	836.0	834.6	833.1
125°	917.3	916.3	915.4	914.6	913.9	913.1	912.3
127.5°	988.5	987.9	986.7	984.8	982.8	980.9	979.0
130°	1034.3	1033.6	1032.5	1031.2	1030.0	1028.7	1027.4
132.5°	1078.0	1077.9	1077.2	1075.9	1074.6	1073.3	1072.0
135°	1140.9	1140.4	1139.3	1137.8	1136.2	1134.7	1133.1
137.5°	1200.4	1200.5	1199.9	1198.5	1197.2	1195.8	1194.5
140°	1236.9	1237.5	1236.9	1235.4	1233.9	1232.3	1230.8
142.5°	1272.0	1272.1	1271.4	1269.8	1268.3	1266.7	1265.2
145°	1322.2	1322.4	1321.8	1320.2	1318.7	1317.1	1315.6
147.5°	1365.1	1365.4	1364.6	1362.8	1360.9	1359.1	1357.2
150°	1392.7	1393.2	1392.4	1390.4	1388.3	1386.2	1384.2
152.5°	1416.9	1417.4	1416.7	1414.8	1413.0	1411.1	1409.3
155°	1450.4	1451.2	1450.5	1448.5	1446.4	1444.3	1442.3
157.5°	1478.0	1478.8	1478.2	1476.1	1474.1	1472.0	1469.9
160°	1495.3	1496.4	1495.9	1493.8	1491.7	1489.7	1487.6
162.5°	1511.5	1512.9	1512.5	1510.2	1507.9	1505.7	1503.4
165°	1531.8	1533.3	1533.0	1531.0	1528.9	1526.8	1524.8
167.5°	1547.3	1549.2	1549.0	1546.6	1544.3	1542.0	1539.7
170°	1555.4	1557.5	1557.3	1555.0	1552.7	1550.4	1548.0
172.5°	1561.3	1563.1	1562.9	1560.6	1558.3	1555.9	1553.6
175°	1568.2	1570.2	1570.1	1567.8	1565.5	1563.1	1560.8
177.5°	1570.3	1571.7	1571.6	1570.0	1568.3	1566.6	1565.0
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8

(END OF REPORT)