

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: P333197-840

Luminaire Tested: **S125DIP-S610D1205U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333197-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S610D1205U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6761.6 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

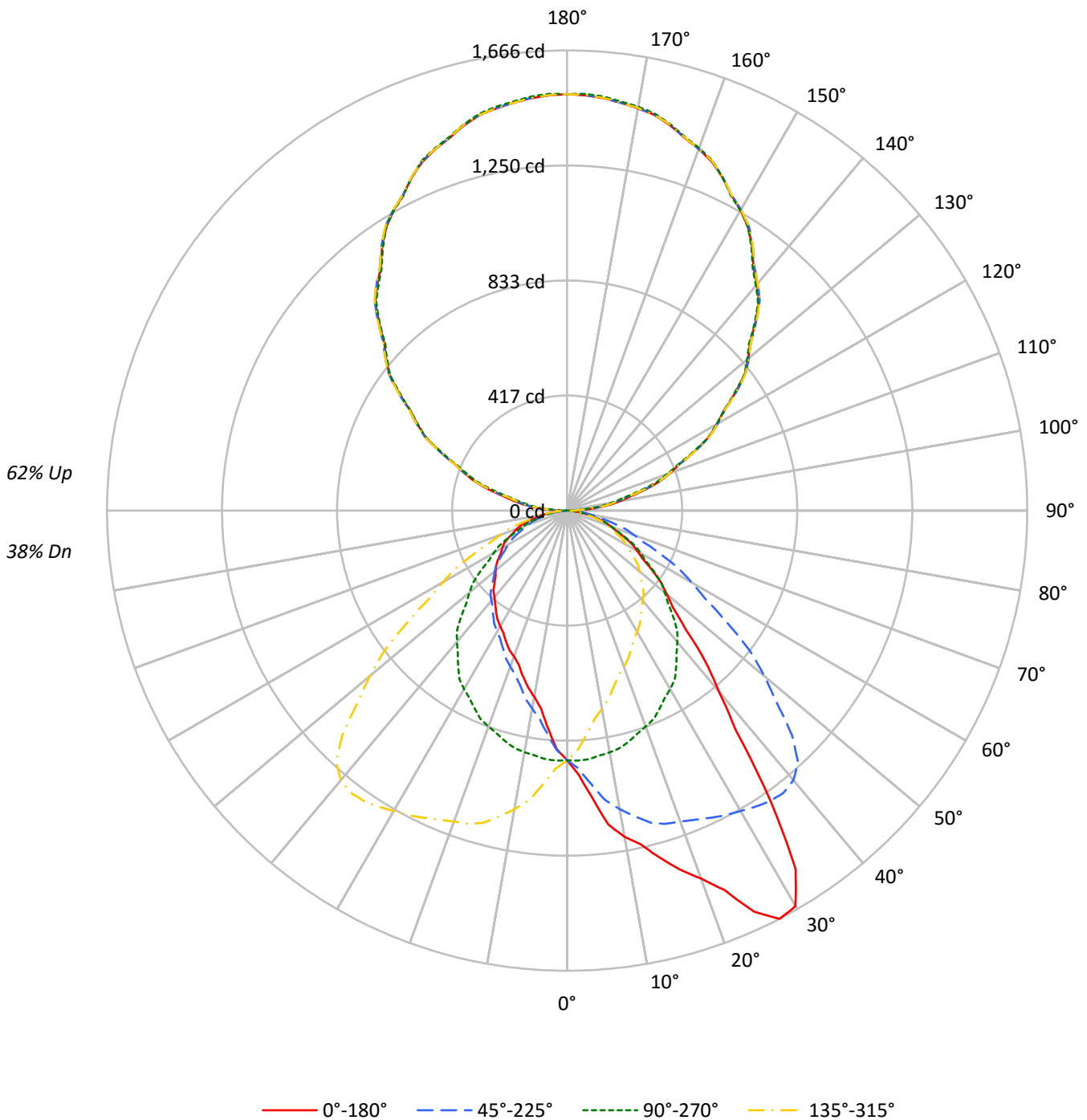
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	80	74	69	79	73	67	63	59	56	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	72	62	54	49	66	57	50	45	46	42	38	37	33	31	28	26	24	20
5	66	55	47	42	60	50	44	38	41	36	32	33	29	27	25	23	21	17
6	61	49	42	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	57	45	37	31	51	41	34	29	34	29	25	27	23	21	21	18	16	14
8	52	40	33	28	47	37	30	26	31	26	22	25	21	18	19	17	15	12
9	49	37	29	25	44	34	27	23	28	23	20	23	19	16	18	15	13	11
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10

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

	0°	90°	180°	270°
0°	5837	5837	5837	5837
5°	6760	5857	5128	5857
10°	7864	5827	4494	5827
15°	8705	5784	4145	5784
20°	9745	5716	3865	5716
25°	11416	5640	3729	5640
30°	12331	5565	3610	5565
35°	10138	5423	3533	5423
40°	7206	5227	3447	5227
45°	5536	4961	3399	4961
50°	4725	4633	3392	4633
55°	4208	4310	3422	4310
60°	3796	3959	3509	3959
65°	3506	3605	3599	3605
70°	3186	3238	3652	3238
75°	2815	2852	3618	2852
80°	2369	2325	3310	2325
85°	1875	1675	2675	1675



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.0	1.3
10°-20°	259.1	3.8
20°-30°	420.7	6.2
30°-40°	513.1	7.6
40°-50°	466.8	6.9
50°-60°	371.8	5.5
60°-70°	259.0	3.8
70°-80°	138.1	2.0
80°-90°	38.1	0.6
90°-100°	101.0	1.5
100°-110°	298.2	4.4
110°-120°	505.2	7.5
120°-130°	664.8	9.8
130°-140°	745.0	11.0
140°-150°	730.1	10.8
150°-160°	613.2	9.1
160°-170°	407.6	6.0
170°-180°	142.7	2.1
0°-30°	766.7	11.3
0°-40°	1279.9	18.9
0°-60°	2118.5	31.3
0°-90°	2553.7	37.8
90°-120°	904.4	13.4
90°-150°	3044.3	45.0
90°-180°	4208.0	62.2
0°-180°	6761.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	904	904	904	904	904	
5°	1043	903	791	903	1043	105
15°	1302	865	620	865	1302	373
25°	1602	791	523	791	1602	732
35°	1286	688	448	688	1286	787
45°	606	543	372	543	606	485
55°	374	383	304	383	374	337
65°	229	236	236	236	229	228
75°	113	114	145	114	113	121
85°	25	23	36	23	25	30
90°	28	1	28	1	28	17
95°	101	76	101	76	101	103
105°	291	268	291	268	291	308
115°	510	506	510	506	510	505
125°	743	738	743	738	743	663
135°	963	960	963	960	963	743
145°	1168	1163	1168	1163	1168	729
155°	1331	1331	1331	1331	1331	612
165°	1443	1447	1443	1447	1443	407
175°	1498	1504	1498	1504	1498	142
180°	1508	1508	1508	1508	1508	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	956.0	954.7	953.5	951.1	952.9	947.7	945.2	941.0	935.7	933.9	931.7
5°	1042.7	1044.6	1046.5	1038.4	1039.3	1033.9	1021.6	1011.6	1003.6	993.2	985.9
7.5°	1147.0	1142.5	1142.2	1136.9	1127.9	1120.7	1107.8	1091.4	1075.5	1057.4	1042.5
10°	1199.2	1199.6	1196.2	1190.0	1180.4	1173.5	1156.6	1140.5	1121.0	1097.9	1081.5
12.5°	1238.5	1240.1	1235.8	1227.5	1222.7	1207.3	1194.1	1174.9	1151.7	1133.3	1108.1
15°	1302.0	1297.8	1294.7	1284.3	1276.3	1260.2	1239.1	1219.1	1193.9	1170.4	1147.0
17.5°	1363.2	1366.7	1360.9	1351.4	1326.5	1307.6	1279.3	1252.0	1220.4	1189.1	1161.1
20°	1417.9	1421.0	1412.1	1395.6	1365.7	1346.9	1309.7	1274.3	1238.0	1197.7	1167.0
22.5°	1486.0	1483.6	1471.7	1446.5	1420.7	1385.8	1345.6	1302.6	1257.0	1211.4	1170.6
25°	1602.0	1585.9	1578.6	1547.5	1513.4	1462.4	1407.1	1344.2	1287.5	1227.2	1175.1
27.5°	1666.3	1661.2	1653.1	1631.4	1595.6	1541.1	1475.9	1399.3	1319.1	1243.1	1174.8
30°	1653.5	1654.2	1655.0	1648.0	1625.1	1584.0	1519.1	1436.6	1341.5	1256.0	1177.0
32.5°	1539.2	1553.2	1566.6	1582.4	1588.8	1580.9	1540.3	1465.8	1368.0	1270.7	1175.7
35°	1285.9	1290.1	1333.5	1376.4	1434.7	1480.1	1510.4	1477.3	1394.8	1283.2	1174.3
37.5°	1002.6	1023.4	1053.4	1102.0	1186.1	1261.4	1358.4	1402.9	1376.2	1287.3	1171.5
40°	854.7	873.9	893.4	942.9	1013.9	1105.2	1215.3	1309.3	1331.2	1274.3	1162.4
42.5°	740.5	755.8	777.5	814.7	873.9	954.8	1060.1	1182.9	1258.4	1237.0	1143.1
45°	606.1	615.7	632.6	662.2	705.1	768.4	861.2	995.5	1112.5	1151.2	1097.1
47.5°	518.8	518.8	531.9	552.3	583.3	637.0	705.7	810.9	935.8	1028.3	1024.0
50°	470.3	468.4	478.8	496.4	521.0	556.6	622.3	706.3	826.4	931.1	960.2
52.5°	428.6	428.8	435.2	448.2	468.8	499.3	548.3	624.0	726.6	834.0	889.0
55°	373.7	372.1	379.4	388.2	403.2	423.1	458.5	516.3	599.6	705.5	776.8
57.5°	323.4	327.5	330.4	336.6	349.0	362.3	392.1	434.6	500.7	591.6	667.0
60°	293.9	298.1	300.3	306.5	316.5	328.0	351.0	385.6	441.2	519.5	594.2
62.5°	267.4	270.7	271.6	277.0	285.2	296.4	314.5	343.5	387.5	455.9	529.2
65°	229.4	229.4	231.0	236.7	240.5	250.5	264.3	285.4	320.7	374.1	436.6
67.5°	192.7	194.6	194.2	196.7	200.3	208.0	217.9	235.3	261.5	300.3	350.4
70°	168.7	170.4	170.0	171.9	175.7	180.7	188.7	205.2	224.0	257.4	300.3
72.5°	147.3	147.9	146.9	149.5	151.8	156.1	165.1	173.9	191.5	219.6	255.0
75°	112.8	113.5	114.3	115.8	118.2	120.5	125.0	133.9	145.4	166.5	189.1
77.5°	84.5	83.1	84.9	84.7	86.0	87.8	91.8	96.5	105.9	119.3	136.8
80°	63.7	64.0	64.0	64.4	66.3	67.6	71.0	74.4	81.7	91.7	103.9
82.5°	46.5	47.5	46.9	47.6	49.2	50.0	51.9	54.7	59.0	66.9	75.7
85°	25.3	23.4	24.1	24.9	24.9	25.3	26.9	28.0	30.3	33.3	36.9
87.5°	13.0	13.4	13.6	13.4	13.6	13.4	14.3	14.1	14.7	15.5	16.3
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5	46.8	45.0	42.8
95°	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0	92.2	90.4	87.8
97.5°	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3	145.6	143.9	140.3
100°	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2	181.9	179.6	176.1
102.5°	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2	219.6	217.1	215.4
105°	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6	282.1	280.4	278.9
107.5°	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8	349.1	348.3	347.1
110°	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9	395.1	394.3	393.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0	441.6	441.2	440.2
115°	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3	512.6	512.8	512.3
117.5°	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7	582.5	582.3	581.8
120°	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2	630.2	630.2	630.0
122.5°	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7	676.9	677.1	676.4
125°	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3	745.8	746.4	746.1
127.5°	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4	813.6	814.0	813.6
130°	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5	858.8	859.0	858.5
132.5°	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7	901.9	902.2	902.3
135°	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2	968.2	968.2	967.9
137.5°	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9	1032.5	1032.2	1031.7
140°	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6	1073.1	1072.6	1071.8
142.5°	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6	1113.3	1113.0	1112.0
145°	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1	1171.1	1171.1	1170.3
147.5°	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6	1223.9	1223.2	1222.6
150°	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0	1258.0	1258.0	1257.0
152.5°	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3	1288.7	1288.1	1287.7
155°	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0	1333.0	1331.9	1331.7
157.5°	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7	1371.7	1370.7	1370.4
160°	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2	1395.1	1394.1	1393.9
162.5°	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3	1416.9	1415.7	1415.6
165°	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8	1446.8	1445.7	1445.5
167.5°	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8	1468.2	1466.6	1466.6
170°	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9	1481.4	1479.8	1479.8
172.5°	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3	1490.8	1489.1	1489.1
175°	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9	1501.3	1499.8	1499.8
177.5°	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6	1506.4	1505.1	1505.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	929.9	927.8	925.3	921.0	915.7	913.0	908.8	905.9	900.4	895.9	890.9
5°	977.0	967.1	958.0	946.0	933.0	924.5	914.5	903.4	891.9	880.0	867.0
7.5°	1025.9	1008.4	989.2	968.5	948.4	929.8	912.0	894.6	878.4	858.7	842.0
10°	1058.8	1036.5	1012.8	984.7	957.6	933.7	909.6	888.5	867.0	843.9	823.6
12.5°	1091.7	1062.0	1028.4	997.6	964.9	936.2	907.8	880.8	853.8	828.3	804.7
15°	1114.8	1088.7	1057.6	1013.9	977.0	937.6	900.0	865.1	832.4	804.1	774.2
17.5°	1130.0	1096.5	1063.1	1021.2	972.9	928.7	886.1	846.2	809.4	773.4	744.6
20°	1132.9	1098.3	1063.4	1022.4	972.9	922.2	879.7	831.7	792.1	755.0	719.6
22.5°	1132.0	1092.8	1054.8	1012.5	964.3	917.7	866.2	817.3	774.4	737.8	700.9
25°	1123.3	1081.5	1033.9	991.3	943.7	894.2	842.0	791.4	747.7	705.9	669.4
27.5°	1116.0	1061.8	1007.9	958.3	912.3	867.0	817.1	765.2	716.7	674.3	640.0
30°	1107.1	1047.6	987.0	935.2	888.1	843.9	796.8	746.2	695.5	654.1	617.2
32.5°	1099.1	1029.9	965.9	909.5	859.6	816.7	773.2	725.0	675.3	633.2	596.4
35°	1083.8	1003.6	930.3	866.6	813.2	769.2	732.8	687.8	642.2	601.5	566.2
37.5°	1064.2	969.1	890.4	823.6	765.2	718.7	684.8	650.4	606.5	567.3	535.4
40°	1048.8	944.5	861.2	792.9	732.4	684.0	652.6	620.0	583.5	547.0	513.3
42.5°	1029.5	922.4	831.7	758.3	698.3	651.2	618.1	590.5	558.4	524.3	493.0
45°	994.0	882.3	784.2	705.1	644.5	598.0	563.9	543.2	519.1	486.9	460.4
47.5°	941.7	834.2	732.7	651.1	588.5	545.5	513.5	493.6	476.7	452.7	428.7
50°	895.3	798.3	695.5	614.6	552.0	508.7	479.2	461.1	446.6	428.1	407.8
52.5°	843.5	753.2	659.0	579.0	517.1	474.3	445.4	429.5	417.4	404.1	384.2
55°	761.1	684.4	596.9	521.0	463.8	422.0	396.7	382.8	372.8	362.9	350.6
57.5°	670.3	610.4	532.8	463.4	410.8	372.7	349.1	335.7	327.9	322.8	315.6
60°	606.5	555.1	488.4	425.1	373.7	339.9	316.9	306.5	300.0	295.8	290.4
62.5°	547.2	505.0	443.2	385.5	340.5	308.6	288.0	278.0	271.8	269.7	265.2
65°	460.0	427.4	376.4	328.4	290.0	262.8	245.5	235.9	232.1	229.7	230.1
67.5°	374.0	354.1	313.2	272.3	241.6	218.7	204.9	197.5	195.6	192.6	192.5
70°	321.4	306.5	272.0	236.3	209.0	191.5	179.2	171.5	169.6	168.0	167.6
72.5°	275.1	262.1	232.1	203.5	179.0	163.5	153.4	148.8	145.6	144.7	144.6
75°	206.8	199.4	175.7	153.1	136.2	125.4	118.6	114.3	112.0	111.6	112.0
77.5°	147.0	140.7	125.5	109.5	98.9	90.7	84.8	83.4	80.8	80.9	80.5
80°	110.5	106.2	96.6	84.0	75.2	68.3	65.2	62.5	61.8	60.6	61.8
82.5°	80.1	75.5	69.1	61.0	53.7	49.6	46.5	45.6	45.1	44.6	44.8
85°	39.5	39.9	36.1	29.9	26.9	24.5	22.6	22.6	22.2	21.9	22.2
87.5°	16.6	15.6	13.9	12.6	10.7	9.4	8.6	8.5	8.0	8.1	8.9
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4	29.9	31.3	32.8
95°	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2	76.7	77.4	77.9
97.5°	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7	126.9	127.1	127.3
100°	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
102.5°	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7	205.7	206.7	207.8
105°	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5	268.8	270.1	271.5
107.5°	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0	338.3	339.6	340.9
110°	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0	386.2	387.5	388.8





TEST NUMBER: P333197-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7	434.4	435.0	435.8
115°	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7	506.9	507.9	508.9
117.5°	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0	578.6	579.1	579.5
120°	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1	624.4	625.7	627.0
122.5°	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0	672.5	672.9	673.4
125°	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1	739.7	741.2	742.9
127.5°	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6	809.4	810.3	811.2
130°	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8	852.1	853.4	854.7
132.5°	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0	895.1	897.4	899.5
135°	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0	961.5	963.1	964.6
137.5°	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8	1024.3	1025.8	1027.3
140°	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2	1064.5	1065.8	1067.1
142.5°	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6	1104.7	1105.8	1106.8
145°	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0	1164.0	1165.1	1166.1
147.5°	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9	1218.4	1219.0	1219.6
150°	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5	1254.3	1253.9	1253.7
152.5°	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5	1284.9	1285.3	1285.7
155°	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1	1371.5	1370.9	1370.4
160°	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4	1395.7	1394.9	1394.1
162.5°	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1	1417.5	1416.9	1416.3
165°	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9	1446.4	1445.9	1445.4
167.5°	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4	1470.3	1469.3	1468.2
170°	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5	1483.5	1482.4	1481.4
172.5°	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9	1492.9	1491.8	1490.8
175°	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4	1503.4	1502.4	1501.3
177.5°	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8	1509.0	1508.1	1507.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333197-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	888.2	884.7	882.0	875.9	872.5	867.9	864.2	868.2	863.9	865.8	863.0
5°	860.5	849.7	842.0	830.9	821.3	812.5	806.0	804.9	801.7	800.2	795.7
7.5°	827.2	813.7	800.5	786.0	773.7	761.2	753.2	746.6	742.3	736.5	732.6
10°	807.5	789.5	774.2	756.5	741.1	727.7	717.0	711.7	706.6	699.3	696.7
12.5°	783.3	764.7	745.9	727.0	712.4	697.3	688.1	680.0	676.6	668.3	667.5
15°	754.2	726.2	707.8	688.6	668.2	656.0	648.3	639.5	635.7	630.0	625.7
17.5°	719.5	694.5	671.5	651.7	634.2	623.9	614.3	608.2	601.7	597.9	591.0
20°	694.4	670.6	647.5	626.4	613.0	601.2	593.5	587.7	580.8	578.9	572.0
22.5°	673.2	646.9	624.8	607.1	592.5	579.1	570.8	566.8	562.1	556.1	554.8
25°	638.7	611.5	592.7	575.0	562.0	549.8	544.0	539.0	534.4	530.2	528.7
27.5°	608.9	584.6	562.3	546.3	535.0	523.8	518.8	512.7	509.3	505.9	501.8
30°	588.1	563.2	543.6	528.3	515.9	506.0	500.6	496.4	493.3	490.3	488.0
32.5°	566.6	543.5	524.5	509.6	497.3	489.8	484.9	482.0	478.6	474.9	472.0
35°	538.3	512.9	494.5	481.4	471.8	466.1	460.7	458.1	454.2	454.2	451.1
37.5°	506.2	484.3	468.1	456.2	447.6	442.4	436.7	434.8	432.3	430.7	429.7
40°	487.2	466.9	451.5	439.6	430.4	426.2	421.6	418.5	417.0	415.1	414.3
42.5°	467.6	448.2	433.4	422.4	414.4	410.8	406.6	404.5	401.3	398.8	398.4
45°	437.7	418.9	405.5	396.7	389.8	385.6	382.8	378.3	376.7	373.7	373.2
47.5°	409.4	391.3	378.2	370.9	364.9	361.4	357.2	352.6	350.8	349.3	349.2
50°	388.2	371.7	359.4	352.5	346.8	341.8	337.6	334.6	333.4	333.4	334.2
52.5°	366.8	352.7	342.2	333.9	328.4	323.1	319.2	317.3	315.6	317.4	318.8
55°	335.3	321.1	313.5	305.4	300.0	293.9	292.0	291.1	290.0	293.1	294.6
57.5°	301.9	292.1	283.1	275.1	270.2	266.7	264.1	263.7	265.8	267.2	272.3
60°	280.8	269.3	261.3	255.1	249.3	247.0	246.3	245.5	247.0	251.3	257.8
62.5°	257.5	248.1	239.4	234.9	230.7	226.8	226.6	227.1	230.1	235.0	241.6
65°	223.3	215.2	209.4	204.1	200.7	198.3	199.1	200.7	204.1	210.7	217.9
67.5°	188.5	183.0	177.8	173.5	170.2	170.2	171.0	173.3	177.3	184.8	191.5
70°	166.1	160.0	155.7	153.8	151.2	149.7	151.9	155.7	159.2	166.1	171.9
72.5°	143.7	138.5	135.2	133.9	132.7	131.5	132.3	136.4	141.1	148.0	154.7
75°	110.5	108.6	106.2	104.7	103.6	104.3	105.1	109.0	112.8	120.1	127.7
77.5°	80.7	78.7	77.3	76.9	76.2	76.6	78.8	81.6	85.4	90.7	96.5
80°	61.0	60.2	59.5	59.1	59.1	59.5	62.5	64.4	67.9	72.9	77.5
82.5°	44.4	43.9	43.8	43.7	44.0	44.1	45.9	48.5	51.3	55.1	59.1
85°	23.4	22.6	23.8	24.1	23.4	24.5	25.3	26.9	28.0	29.9	31.8
87.5°	9.6	10.6	10.6	11.3	11.7	12.6	12.6	14.1	14.9	15.9	15.8
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5	50.2	51.9	53.1
95°	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0	95.8	97.7	98.9
97.5°	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3	149.1	150.8	151.8
100°	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2	186.6	188.9	190.4
102.5°	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2	224.8	227.3	228.9
105°	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6	285.2	286.7	287.9
107.5°	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8	350.6	351.4	351.8
110°	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9	396.7	397.4	397.7



TEST NUMBER: P333197-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0	442.3	442.7	442.6
115°	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3	512.0	511.8	511.5
117.5°	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7	582.9	583.1	582.7
120°	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2	630.2	630.2	629.7
122.5°	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7	676.5	676.3	675.8
125°	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3	744.8	744.3	743.9
127.5°	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4	813.1	812.9	812.5
130°	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5	858.2	858.0	857.6
132.5°	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7	901.4	901.1	900.7
135°	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2	968.2	968.2	967.7
137.5°	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9	1033.2	1033.5	1033.0
140°	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6	1074.2	1074.7	1074.3
142.5°	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6	1113.9	1114.2	1113.7
145°	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1	1171.1	1171.1	1170.7
147.5°	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6	1225.2	1225.8	1225.2
150°	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0	1258.0	1258.0	1257.8
152.5°	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3	1289.9	1290.5	1290.4
155°	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0	1335.0	1336.2	1336.0
157.5°	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7	1373.8	1374.8	1374.5
160°	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2	1397.2	1398.3	1398.2
162.5°	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3	1419.5	1420.8	1420.6
165°	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8	1448.9	1450.0	1449.7
167.5°	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8	1471.4	1472.9	1472.9
170°	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9	1484.5	1486.0	1485.9
172.5°	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3	1493.9	1495.4	1495.4
175°	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9	1504.4	1506.0	1505.9
177.5°	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6	1508.9	1510.2	1510.1
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333197-840

CATALOG NUMBER: S125DIP-S610D1205U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	861.1	863.3	861.5	863.9	861.5	863.3	861.1	863.0	865.8	863.9	868.2
5°	793.8	790.2	792.5	791.0	792.5	790.2	793.8	795.7	800.2	801.7	804.9
7.5°	731.4	728.1	724.4	722.6	724.4	728.1	731.4	732.6	736.5	742.3	746.6
10°	692.5	688.2	687.8	685.2	687.8	688.2	692.5	696.7	699.3	706.6	711.7
12.5°	663.9	659.9	655.6	654.5	655.6	659.9	663.9	667.5	668.3	676.6	680.0
15°	623.4	620.4	617.6	620.0	617.6	620.4	623.4	625.7	630.0	635.7	639.5
17.5°	589.7	587.1	586.7	583.9	586.7	587.1	589.7	591.0	597.9	601.7	608.2
20°	568.6	566.6	567.3	562.4	567.3	566.6	568.6	572.0	578.9	580.8	587.7
22.5°	551.7	547.9	547.4	546.4	547.4	547.9	551.7	554.8	556.1	562.1	566.8
25°	525.2	523.3	521.4	523.3	521.4	523.3	525.2	528.7	530.2	534.4	539.0
27.5°	502.1	499.8	499.3	499.5	499.3	499.8	502.1	501.8	505.9	509.3	512.7
30°	488.0	484.1	484.5	484.1	484.5	484.1	488.0	488.0	490.3	493.3	496.4
32.5°	472.6	470.0	469.5	468.8	469.5	470.0	472.6	472.0	474.9	478.6	482.0
35°	450.0	450.0	448.1	448.1	448.1	450.0	450.0	451.1	454.2	454.2	458.1
37.5°	428.7	428.4	427.2	427.4	427.2	428.4	428.7	429.7	430.7	432.3	434.8
40°	412.7	412.4	411.2	408.9	411.2	412.4	412.7	414.3	415.1	417.0	418.5
42.5°	397.5	396.2	395.6	394.9	395.6	396.2	397.5	398.4	398.8	401.3	404.5
45°	373.2	373.2	372.5	372.1	372.5	373.2	373.2	373.2	373.7	376.7	378.3
47.5°	349.8	350.5	351.9	351.7	351.9	350.5	349.8	349.2	349.3	350.8	352.6
50°	335.7	336.1	337.2	337.6	337.2	336.1	335.7	334.2	333.4	333.4	334.6
52.5°	320.0	322.2	323.7	323.5	323.7	322.2	320.0	318.8	317.4	315.6	317.3
55°	298.1	300.7	303.5	303.9	303.5	300.7	298.1	294.6	293.1	290.0	291.1
57.5°	276.4	280.1	283.0	283.9	283.0	280.1	276.4	272.3	267.2	265.8	263.7
60°	261.7	266.6	270.0	271.7	270.0	266.6	261.7	257.8	251.3	247.0	245.5
62.5°	247.5	253.1	256.6	256.9	256.6	253.1	247.5	241.6	235.0	230.1	227.1
65°	224.4	230.1	233.3	235.5	233.3	230.1	224.4	217.9	210.7	204.1	200.7
67.5°	199.5	205.3	208.7	210.6	208.7	205.3	199.5	191.5	184.8	177.3	173.3
70°	181.5	187.2	191.8	193.4	191.8	187.2	181.5	171.9	166.1	159.2	155.7
72.5°	163.7	168.7	172.5	174.3	172.5	168.7	163.7	154.7	148.0	141.1	136.4
75°	132.7	139.7	143.1	145.0	143.1	139.7	132.7	127.7	120.1	112.8	109.0
77.5°	102.4	108.7	110.7	111.7	110.7	108.7	102.4	96.5	90.7	85.4	81.6
80°	82.1	85.9	88.7	89.0	88.7	85.9	82.1	77.5	72.9	67.9	64.4
82.5°	63.1	66.2	67.2	68.2	67.2	66.2	63.1	59.1	55.1	51.3	48.5
85°	34.5	36.1	36.5	36.1	36.5	36.1	34.5	31.8	29.9	28.0	26.9
87.5°	16.6	16.4	16.6	17.3	16.6	16.4	16.6	15.8	15.9	14.9	14.1
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	53.6	54.2	54.8	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5
95°	99.4	99.9	100.4	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0
97.5°	152.1	152.4	152.7	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3
100°	190.9	191.4	192.0	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2
102.5°	229.7	230.5	231.2	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2
105°	288.7	289.4	290.2	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6
107.5°	351.7	351.7	351.6	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8
110°	397.4	397.2	396.9	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	442.2	441.7	441.2	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0
115°	511.3	511.0	510.7	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3
117.5°	581.7	580.7	579.6	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7
120°	628.6	627.5	626.5	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2
122.5°	674.9	674.1	673.3	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7
125°	743.7	743.4	743.1	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3
127.5°	812.0	811.4	810.9	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4
130°	857.1	856.6	856.0	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5
132.5°	899.9	899.2	898.5	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7
135°	966.5	965.5	964.5	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2
137.5°	1031.7	1030.4	1029.1	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9
140°	1073.0	1071.7	1070.4	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6
142.5°	1112.4	1111.2	1109.8	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6
145°	1170.0	1169.2	1168.4	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1
147.5°	1223.5	1221.6	1219.9	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6
150°	1257.2	1256.7	1256.2	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0
152.5°	1289.5	1288.5	1287.6	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3
155°	1334.6	1333.3	1332.1	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0
157.5°	1372.8	1371.1	1369.4	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7
160°	1396.8	1395.5	1394.2	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2
162.5°	1419.1	1417.5	1416.0	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3
165°	1448.1	1446.5	1445.0	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8
167.5°	1471.3	1469.7	1468.0	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8
170°	1484.1	1482.3	1480.5	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9
172.5°	1493.8	1492.2	1490.6	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3
175°	1504.1	1502.3	1500.4	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9
177.5°	1508.6	1507.1	1505.7	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	864.2	867.9	872.5	875.9	882.0	884.7	888.2	890.9	895.9	900.4	905.9
5°	806.0	812.5	821.3	830.9	842.0	849.7	860.5	867.0	880.0	891.9	903.4
7.5°	753.2	761.2	773.7	786.0	800.5	813.7	827.2	842.0	858.7	878.4	894.6
10°	717.0	727.7	741.1	756.5	774.2	789.5	807.5	823.6	843.9	867.0	888.5
12.5°	688.1	697.3	712.4	727.0	745.9	764.7	783.3	804.7	828.3	853.8	880.8
15°	648.3	656.0	668.2	688.6	707.8	726.2	754.2	774.2	804.1	832.4	865.1
17.5°	614.3	623.9	634.2	651.7	671.5	694.5	719.5	744.6	773.4	809.4	846.2
20°	593.5	601.2	613.0	626.4	647.5	670.6	694.4	719.6	755.0	792.1	831.7
22.5°	570.8	579.1	592.5	607.1	624.8	646.9	673.2	700.9	737.8	774.4	817.3
25°	544.0	549.8	562.0	575.0	592.7	611.5	638.7	669.4	705.9	747.7	791.4
27.5°	518.8	523.8	535.0	546.3	562.3	584.6	608.9	640.0	674.3	716.7	765.2
30°	500.6	506.0	515.9	528.3	543.6	563.2	588.1	617.2	654.1	695.5	746.2
32.5°	484.9	489.8	497.3	509.6	524.5	543.5	566.6	596.4	633.2	675.3	725.0
35°	460.7	466.1	471.8	481.4	494.5	512.9	538.3	566.2	601.5	642.2	687.8
37.5°	436.7	442.4	447.6	456.2	468.1	484.3	506.2	535.4	567.3	606.5	650.4
40°	421.6	426.2	430.4	439.6	451.5	466.9	487.2	513.3	547.0	583.5	620.0
42.5°	406.6	410.8	414.4	422.4	433.4	448.2	467.6	493.0	524.3	558.4	590.5
45°	382.8	385.6	389.8	396.7	405.5	418.9	437.7	460.4	486.9	519.1	543.2
47.5°	357.2	361.4	364.9	370.9	378.2	391.3	409.4	428.7	452.7	476.7	493.6
50°	337.6	341.8	346.8	352.5	359.4	371.7	388.2	407.8	428.1	446.6	461.1
52.5°	319.2	323.1	328.4	333.9	342.2	352.7	366.8	384.2	404.1	417.4	429.5
55°	292.0	293.9	300.0	305.4	313.5	321.1	335.3	350.6	362.9	372.8	382.8
57.5°	264.1	266.7	270.2	275.1	283.1	292.1	301.9	315.6	322.8	327.9	335.7
60°	246.3	247.0	249.3	255.1	261.3	269.3	280.8	290.4	295.8	300.0	306.5
62.5°	226.6	226.8	230.7	234.9	239.4	248.1	257.5	265.2	269.7	271.8	278.0
65°	199.1	198.3	200.7	204.1	209.4	215.2	223.3	230.1	229.7	232.1	235.9
67.5°	171.0	170.2	170.2	173.5	177.8	183.0	188.5	192.5	192.6	195.6	197.5
70°	151.9	149.7	151.2	153.8	155.7	160.0	166.1	167.6	168.0	169.6	171.5
72.5°	132.3	131.5	132.7	133.9	135.2	138.5	143.7	144.6	144.7	145.6	148.8
75°	105.1	104.3	103.6	104.7	106.2	108.6	110.5	112.0	111.6	112.0	114.3
77.5°	78.8	76.6	76.2	76.9	77.3	78.7	80.7	80.5	80.9	80.8	83.4
80°	62.5	59.5	59.1	59.1	59.5	60.2	61.0	61.8	60.6	61.8	62.5
82.5°	45.9	44.1	44.0	43.7	43.8	43.9	44.4	44.8	44.6	45.1	45.6
85°	25.3	24.5	23.4	24.1	23.8	22.6	23.4	22.2	21.9	22.2	22.6
87.5°	12.6	12.6	11.7	11.3	10.6	10.6	9.6	8.9	8.1	8.0	8.5
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	46.8	45.0	42.8	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4
95°	92.2	90.4	87.8	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2
97.5°	145.6	143.9	140.3	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7
100°	181.9	179.6	176.1	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3
102.5°	219.6	217.1	215.4	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7
105°	282.1	280.4	278.9	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5
107.5°	349.1	348.3	347.1	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0
110°	395.1	394.3	393.5	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	441.6	441.2	440.2	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7
115°	512.6	512.8	512.3	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7
117.5°	582.5	582.3	581.8	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0
120°	630.2	630.2	630.0	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1
122.5°	676.9	677.1	676.4	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0
125°	745.8	746.4	746.1	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1
127.5°	813.6	814.0	813.6	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6
130°	858.8	859.0	858.5	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8
132.5°	901.9	902.2	902.3	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0
135°	968.2	968.2	967.9	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0
137.5°	1032.5	1032.2	1031.7	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8
140°	1073.1	1072.6	1071.8	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2
142.5°	1113.3	1113.0	1112.0	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6
145°	1171.1	1171.1	1170.3	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0
147.5°	1223.9	1223.2	1222.6	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9
150°	1258.0	1258.0	1257.0	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5
152.5°	1288.7	1288.1	1287.7	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5
155°	1333.0	1331.9	1331.7	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1371.7	1370.7	1370.4	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1
160°	1395.1	1394.1	1393.9	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4
162.5°	1416.9	1415.7	1415.6	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1
165°	1446.8	1445.7	1445.5	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9
167.5°	1468.2	1466.6	1466.6	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4
170°	1481.4	1479.8	1479.8	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5
172.5°	1490.8	1489.1	1489.1	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9
175°	1501.3	1499.8	1499.8	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4
177.5°	1506.4	1505.1	1505.3	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	908.8	913.0	915.7	921.0	925.3	927.8	929.9	931.7	933.9	935.7	941.0
5°	914.5	924.5	933.0	946.0	958.0	967.1	977.0	985.9	993.2	1003.6	1011.6
7.5°	912.0	929.8	948.4	968.5	989.2	1008.4	1025.9	1042.5	1057.4	1075.5	1091.4
10°	909.6	933.7	957.6	984.7	1012.8	1036.5	1058.8	1081.5	1097.9	1121.0	1140.5
12.5°	907.8	936.2	964.9	997.6	1028.4	1062.0	1091.7	1108.1	1133.3	1151.7	1174.9
15°	900.0	937.6	977.0	1013.9	1057.6	1088.7	1114.8	1147.0	1170.4	1193.9	1219.1
17.5°	886.1	928.7	972.9	1021.2	1063.1	1096.5	1130.0	1161.1	1189.1	1220.4	1252.0
20°	879.7	922.2	972.9	1022.4	1063.4	1098.3	1132.9	1167.0	1197.7	1238.0	1274.3
22.5°	866.2	917.7	964.3	1012.5	1054.8	1092.8	1132.0	1170.6	1211.4	1257.0	1302.6
25°	842.0	894.2	943.7	991.3	1033.9	1081.5	1123.3	1175.1	1227.2	1287.5	1344.2
27.5°	817.1	867.0	912.3	958.3	1007.9	1061.8	1116.0	1174.8	1243.1	1319.1	1399.3
30°	796.8	843.9	888.1	935.2	987.0	1047.6	1107.1	1177.0	1256.0	1341.5	1436.6
32.5°	773.2	816.7	859.6	909.5	965.9	1029.9	1099.1	1175.7	1270.7	1368.0	1465.8
35°	732.8	769.2	813.2	866.6	930.3	1003.6	1083.8	1174.3	1283.2	1394.8	1477.3
37.5°	684.8	718.7	765.2	823.6	890.4	969.1	1064.2	1171.5	1287.3	1376.2	1402.9
40°	652.6	684.0	732.4	792.9	861.2	944.5	1048.8	1162.4	1274.3	1331.2	1309.3
42.5°	618.1	651.2	698.3	758.3	831.7	922.4	1029.5	1143.1	1237.0	1258.4	1182.9
45°	563.9	598.0	644.5	705.1	784.2	882.3	994.0	1097.1	1151.2	1112.5	995.5
47.5°	513.5	545.5	588.5	651.1	732.7	834.2	941.7	1024.0	1028.3	935.8	810.9
50°	479.2	508.7	552.0	614.6	695.5	798.3	895.3	960.2	931.1	826.4	706.3
52.5°	445.4	474.3	517.1	579.0	659.0	753.2	843.5	889.0	834.0	726.6	624.0
55°	396.7	422.0	463.8	521.0	596.9	684.4	761.1	776.8	705.5	599.6	516.3
57.5°	349.1	372.7	410.8	463.4	532.8	610.4	670.3	667.0	591.6	500.7	434.6
60°	316.9	339.9	373.7	425.1	488.4	555.1	606.5	594.2	519.5	441.2	385.6
62.5°	288.0	308.6	340.5	385.5	443.2	505.0	547.2	529.2	455.9	387.5	343.5
65°	245.5	262.8	290.0	328.4	376.4	427.4	460.0	436.6	374.1	320.7	285.4
67.5°	204.9	218.7	241.6	272.3	313.2	354.1	374.0	350.4	300.3	261.5	235.3
70°	179.2	191.5	209.0	236.3	272.0	306.5	321.4	300.3	257.4	224.0	205.2
72.5°	153.4	163.5	179.0	203.5	232.1	262.1	275.1	255.0	219.6	191.5	173.9
75°	118.6	125.4	136.2	153.1	175.7	199.4	206.8	189.1	166.5	145.4	133.9
77.5°	84.8	90.7	98.9	109.5	125.5	140.7	147.0	136.8	119.3	105.9	96.5
80°	65.2	68.3	75.2	84.0	96.6	106.2	110.5	103.9	91.7	81.7	74.4
82.5°	46.5	49.6	53.7	61.0	69.1	75.5	80.1	75.7	66.9	59.0	54.7
85°	22.6	24.5	26.9	29.9	36.1	39.9	39.5	36.9	33.3	30.3	28.0
87.5°	8.6	9.4	10.7	12.6	13.9	15.6	16.6	16.3	15.5	14.7	14.1
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	29.9	31.3	32.8	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5
95°	76.7	77.4	77.9	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0
97.5°	126.9	127.1	127.3	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3
100°	164.3	164.3	164.3	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2
102.5°	205.7	206.7	207.8	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2
105°	268.8	270.1	271.5	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6
107.5°	338.3	339.6	340.9	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8
110°	386.2	387.5	388.8	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.4	435.0	435.8	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0
115°	506.9	507.9	508.9	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3
117.5°	578.6	579.1	579.5	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7
120°	624.4	625.7	627.0	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2
122.5°	672.5	672.9	673.4	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7
125°	739.7	741.2	742.9	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3
127.5°	809.4	810.3	811.2	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4
130°	852.1	853.4	854.7	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5
132.5°	895.1	897.4	899.5	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7
135°	961.5	963.1	964.6	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2
137.5°	1024.3	1025.8	1027.3	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9
140°	1064.5	1065.8	1067.1	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6
142.5°	1104.7	1105.8	1106.8	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6
145°	1164.0	1165.1	1166.1	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1
147.5°	1218.4	1219.0	1219.6	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6
150°	1254.3	1253.9	1253.7	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0
152.5°	1284.9	1285.3	1285.7	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3
155°	1330.8	1330.8	1330.8	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0
157.5°	1371.5	1370.9	1370.4	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7
160°	1395.7	1394.9	1394.1	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2
162.5°	1417.5	1416.9	1416.3	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3
165°	1446.4	1445.9	1445.4	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8
167.5°	1470.3	1469.3	1468.2	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8
170°	1483.5	1482.4	1481.4	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9
172.5°	1492.9	1491.8	1490.8	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3
175°	1503.4	1502.4	1501.3	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9
177.5°	1509.0	1508.1	1507.3	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	945.2	947.7	952.9	951.1	953.5	954.7	956.0
5°	1021.6	1033.9	1039.3	1038.4	1046.5	1044.6	1042.7
7.5°	1107.8	1120.7	1127.9	1136.9	1142.2	1142.5	1147.0
10°	1156.6	1173.5	1180.4	1190.0	1196.2	1199.6	1199.2
12.5°	1194.1	1207.3	1222.7	1227.5	1235.8	1240.1	1238.5
15°	1239.1	1260.2	1276.3	1284.3	1294.7	1297.8	1302.0
17.5°	1279.3	1307.6	1326.5	1351.4	1360.9	1366.7	1363.2
20°	1309.7	1346.9	1365.7	1395.6	1412.1	1421.0	1417.9
22.5°	1345.6	1385.8	1420.7	1446.5	1471.7	1483.6	1486.0
25°	1407.1	1462.4	1513.4	1547.5	1578.6	1585.9	1602.0
27.5°	1475.9	1541.1	1595.6	1631.4	1653.1	1661.2	1666.3
30°	1519.1	1584.0	1625.1	1648.0	1655.0	1654.2	1653.5
32.5°	1540.3	1580.9	1588.8	1582.4	1566.6	1553.2	1539.2
35°	1510.4	1480.1	1434.7	1376.4	1333.5	1290.1	1285.9
37.5°	1358.4	1261.4	1186.1	1102.0	1053.4	1023.4	1002.6
40°	1215.3	1105.2	1013.9	942.9	893.4	873.9	854.7
42.5°	1060.1	954.8	873.9	814.7	777.5	755.8	740.5
45°	861.2	768.4	705.1	662.2	632.6	615.7	606.1
47.5°	705.7	637.0	583.3	552.3	531.9	518.8	518.8
50°	622.3	556.6	521.0	496.4	478.8	468.4	470.3
52.5°	548.3	499.3	468.8	448.2	435.2	428.8	428.6
55°	458.5	423.1	403.2	388.2	379.4	372.1	373.7
57.5°	392.1	362.3	349.0	336.6	330.4	327.5	323.4
60°	351.0	328.0	316.5	306.5	300.3	298.1	293.9
62.5°	314.5	296.4	285.2	277.0	271.6	270.7	267.4
65°	264.3	250.5	240.5	236.7	231.0	229.4	229.4
67.5°	217.9	208.0	200.3	196.7	194.2	194.6	192.7
70°	188.7	180.7	175.7	171.9	170.0	170.4	168.7
72.5°	165.1	156.1	151.8	149.5	146.9	147.9	147.3
75°	125.0	120.5	118.2	115.8	114.3	113.5	112.8
77.5°	91.8	87.8	86.0	84.7	84.9	83.1	84.5
80°	71.0	67.6	66.3	64.4	64.0	64.0	63.7
82.5°	51.9	50.0	49.2	47.6	46.9	47.5	46.5
85°	26.9	25.3	24.9	24.9	24.1	23.4	25.3
87.5°	14.3	13.4	13.6	13.4	13.6	13.4	13.0
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	50.2	51.9	53.1	53.6	54.2	54.8	55.3
95°	95.8	97.7	98.9	99.4	99.9	100.4	100.9
97.5°	149.1	150.8	151.8	152.1	152.4	152.7	153.0
100°	186.6	188.9	190.4	190.9	191.4	192.0	192.5
102.5°	224.8	227.3	228.9	229.7	230.5	231.2	231.9
105°	285.2	286.7	287.9	288.7	289.4	290.2	291.0
107.5°	350.6	351.4	351.8	351.7	351.7	351.6	351.5
110°	396.7	397.4	397.7	397.4	397.2	396.9	396.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	442.3	442.7	442.6	442.2	441.7	441.2	440.8
115°	512.0	511.8	511.5	511.3	511.0	510.7	510.5
117.5°	582.9	583.1	582.7	581.7	580.7	579.6	578.6
120°	630.2	630.2	629.7	628.6	627.5	626.5	625.5
122.5°	676.5	676.3	675.8	674.9	674.1	673.3	672.5
125°	744.8	744.3	743.9	743.7	743.4	743.1	742.9
127.5°	813.1	812.9	812.5	812.0	811.4	810.9	810.4
130°	858.2	858.0	857.6	857.1	856.6	856.0	855.5
132.5°	901.4	901.1	900.7	899.9	899.2	898.5	897.8
135°	968.2	968.2	967.7	966.5	965.5	964.5	963.4
137.5°	1033.2	1033.5	1033.0	1031.7	1030.4	1029.1	1027.7
140°	1074.2	1074.7	1074.3	1073.0	1071.7	1070.4	1069.0
142.5°	1113.9	1114.2	1113.7	1112.4	1111.2	1109.8	1108.5
145°	1171.1	1171.1	1170.7	1170.0	1169.2	1168.4	1167.6
147.5°	1225.2	1225.8	1225.2	1223.5	1221.6	1219.9	1218.1
150°	1258.0	1258.0	1257.8	1257.2	1256.7	1256.2	1255.7
152.5°	1289.9	1290.5	1290.4	1289.5	1288.5	1287.6	1286.7
155°	1335.0	1336.2	1336.0	1334.6	1333.3	1332.1	1330.8
157.5°	1373.8	1374.8	1374.5	1372.8	1371.1	1369.4	1367.7
160°	1397.2	1398.3	1398.2	1396.8	1395.5	1394.2	1393.0
162.5°	1419.5	1420.8	1420.6	1419.1	1417.5	1416.0	1414.5
165°	1448.9	1450.0	1449.7	1448.1	1446.5	1445.0	1443.4
167.5°	1471.4	1472.9	1472.9	1471.3	1469.7	1468.0	1466.4
170°	1484.5	1486.0	1485.9	1484.1	1482.3	1480.5	1478.6
172.5°	1493.9	1495.4	1495.4	1493.8	1492.2	1490.6	1488.9
175°	1504.4	1506.0	1505.9	1504.1	1502.3	1500.4	1498.5
177.5°	1508.9	1510.2	1510.1	1508.6	1507.1	1505.7	1504.2
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9

(END OF REPORT)