

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: P333187-840

Luminaire Tested: **S125DIP-S610D1035U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333187-840  
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: S125DIP-S610D1035U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6730.2 lumens  
Efficiency: N/A  
Efficacy: 151.2 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

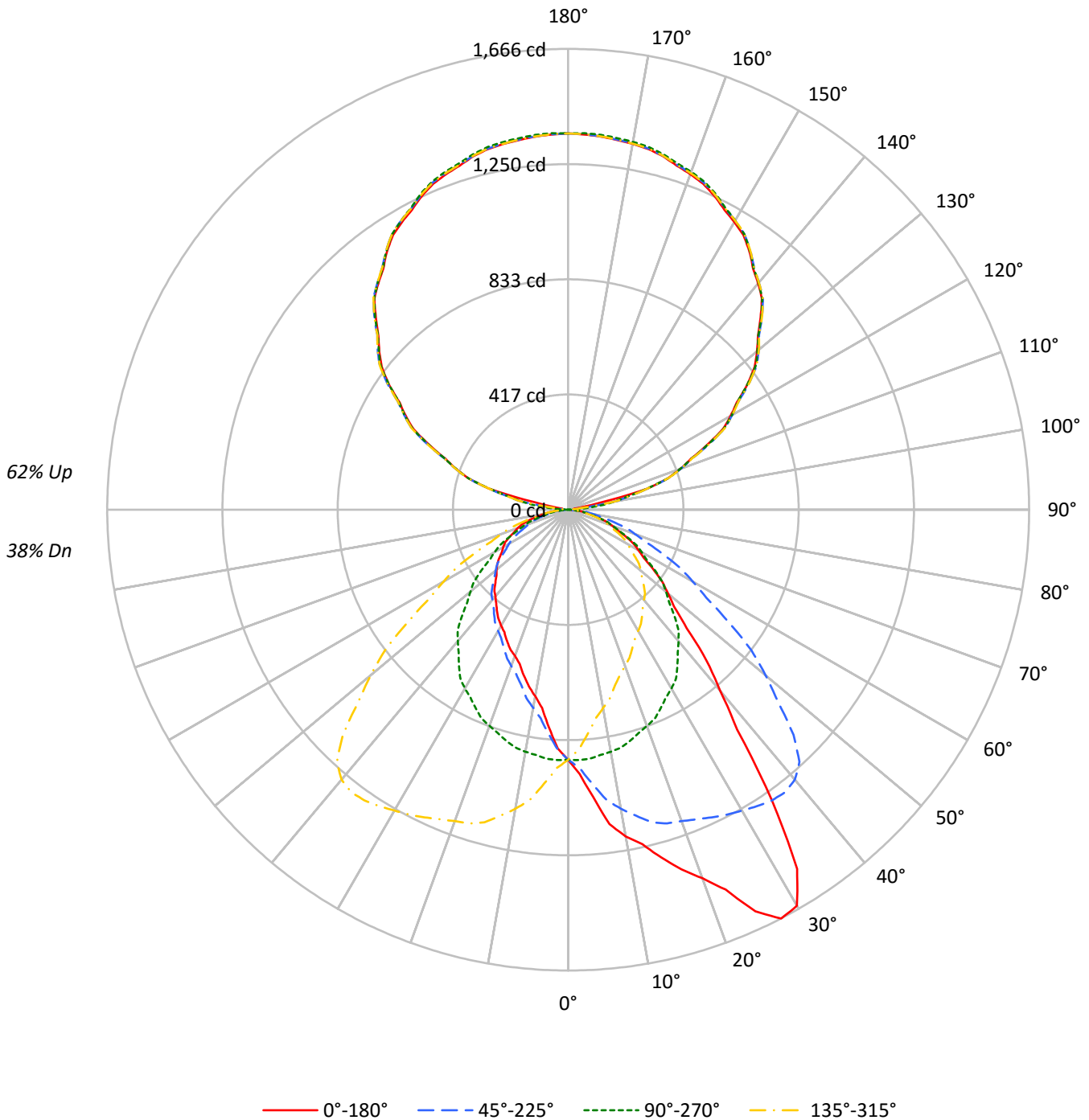
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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	68	63	59	56	53	47	44	42	35	34	33	27
3	79	70	63	57	72	64	58	53	52	48	44	42	38	36	31	30	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	38	42	36	33	33	30	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	48	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



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.0	1.3
10°-20°	259.1	3.8
20°-30°	420.7	6.3
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	2.1
80°-90°	37.7	0.6
90°-100°	49.4	0.7
100°-110°	304.6	4.5
110°-120°	552.5	8.2
120°-130°	709.1	10.5
130°-140°	762.7	11.3
140°-150°	715.9	10.6
150°-160°	579.1	8.6
160°-170°	374.5	5.6
170°-180°	129.2	1.9
0°-30°	766.7	11.4
0°-40°	1279.9	19.0
0°-60°	2118.5	31.5
0°-90°	2553.2	37.9
90°-120°	906.6	13.5
90°-150°	3094.2	46.0
90°-180°	4177.0	62.1
0°-180°	6730.2	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°	24	1	24	1	24	11
95°	21	58	21	58	21	18
105°	299	296	299	296	299	271
115°	553	557	553	557	553	549
125°	792	792	792	792	792	704
135°	983	987	983	987	983	759
145°	1142	1144	1142	1144	1142	713
155°	1251	1260	1251	1260	1251	577
165°	1323	1330	1323	1330	1323	373
175°	1354	1360	1354	1360	1354	129
180°	1360	1360	1360	1360	1360	



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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°	12.2	12.7	12.8	12.7	12.9	12.7	13.7	13.5	14.2	14.8	15.8
90°	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4	17.3	16.2	14.5
92.5°	22.6	22.3	21.9	21.6	21.3	20.6	19.5	18.4	17.3	16.2	14.7
95°	21.2	21.2	21.2	21.2	21.2	20.6	19.5	18.4	17.3	16.2	24.6
97.5°	21.2	21.2	21.2	21.2	21.2	24.3	30.7	37.0	43.3	49.6	66.4
100°	21.2	22.1	22.9	23.8	24.7	41.9	75.3	108.7	142.1	175.4	174.5
102.5°	126.8	142.1	157.3	172.6	187.8	198.5	204.9	211.2	217.5	223.9	223.3
105°	299.4	299.7	299.9	300.1	300.3	300.4	300.4	300.4	300.4	300.4	300.4
107.5°	377.5	378.2	378.9	379.5	380.2	380.5	380.5	380.4	380.4	380.3	379.9
110°	431.5	431.3	431.1	430.9	430.7	430.9	431.5	432.2	432.9	433.5	433.1



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	480.0	480.3	480.6	480.9	481.2	481.8	482.6	483.5	484.3	485.2	484.9
115°	552.6	553.9	555.2	556.6	558.0	559.1	560.0	560.9	561.8	562.6	562.4
117.5°	630.0	630.6	631.2	631.8	632.3	633.2	634.4	635.5	636.7	637.8	637.0
120°	677.6	678.7	679.8	681.0	682.1	682.9	683.3	683.8	684.2	684.7	684.0
122.5°	722.8	724.1	725.4	726.7	727.9	728.8	729.3	729.7	730.1	730.6	730.3
125°	791.5	792.2	792.8	793.6	794.3	795.0	795.9	796.8	797.7	798.6	798.6
127.5°	849.4	851.1	852.7	854.3	856.1	857.1	857.6	858.1	858.6	859.1	859.2
130°	891.3	892.5	893.6	894.7	895.9	896.8	897.4	898.1	898.8	899.4	899.2
132.5°	930.1	931.2	932.3	933.4	934.5	935.1	935.3	935.4	935.5	935.7	936.2
135°	983.1	984.4	985.8	987.1	988.5	989.4	989.9	990.3	990.7	991.2	991.6
137.5°	1036.3	1037.5	1038.6	1039.9	1041.0	1041.6	1041.5	1041.4	1041.3	1041.2	1041.6
140°	1067.8	1069.1	1070.5	1071.9	1073.2	1073.6	1073.2	1072.8	1072.3	1071.9	1072.1
142.5°	1097.6	1099.0	1100.3	1101.7	1103.1	1103.7	1103.6	1103.5	1103.4	1103.3	1103.0
145°	1141.5	1142.8	1144.1	1145.5	1146.8	1147.3	1147.1	1146.9	1146.7	1146.5	1146.5
147.5°	1177.5	1179.1	1180.7	1182.3	1184.0	1184.7	1184.4	1184.1	1183.9	1183.6	1183.3
150°	1200.9	1202.6	1204.5	1206.3	1208.1	1208.7	1208.3	1207.9	1207.4	1207.0	1206.5
152.5°	1222.6	1224.3	1225.9	1227.5	1229.1	1229.7	1229.3	1228.8	1228.4	1227.9	1227.5
155°	1251.3	1253.1	1254.9	1256.7	1258.5	1259.1	1258.4	1257.7	1257.1	1256.4	1255.9
157.5°	1275.4	1277.1	1278.9	1280.7	1282.5	1283.0	1282.3	1281.6	1280.9	1280.2	1280.1
160°	1290.6	1292.4	1294.2	1296.1	1297.8	1298.3	1297.4	1296.5	1295.6	1294.6	1294.4
162.5°	1304.3	1306.4	1308.3	1310.3	1312.2	1312.6	1311.3	1310.1	1308.9	1307.6	1307.4
165°	1322.9	1324.7	1326.5	1328.3	1330.1	1330.3	1329.0	1327.6	1326.3	1324.9	1324.7
167.5°	1335.8	1337.9	1339.9	1341.9	1343.9	1344.1	1342.5	1340.9	1339.3	1337.7	1337.4
170°	1343.1	1345.1	1347.2	1349.1	1351.1	1351.3	1349.5	1347.7	1345.8	1344.1	1343.8
172.5°	1348.0	1349.9	1351.9	1353.9	1355.9	1356.1	1354.5	1352.9	1351.3	1349.7	1349.3
175°	1354.1	1356.1	1358.2	1360.2	1362.2	1362.3	1360.6	1358.8	1357.0	1355.1	1354.9
177.5°	1357.8	1359.3	1360.7	1362.1	1363.5	1363.6	1362.4	1361.1	1359.9	1358.6	1358.5
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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°	16.1	15.1	13.6	12.4	10.5	9.2	8.6	8.5	7.9	8.0	8.7
90°	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0	2.8	4.5	6.4
92.5°	13.3	11.9	10.6	10.5	11.7	13.0	14.2	15.6	14.2	13.0	11.7
95°	33.1	41.7	50.2	54.8	55.4	56.1	56.8	57.5	56.8	56.1	55.4
97.5°	83.3	100.2	117.0	124.8	123.6	122.4	121.2	120.0	121.2	122.4	123.6
100°	173.7	172.8	171.9	171.1	170.4	169.8	169.1	168.3	169.1	169.8	170.4
102.5°	222.8	222.3	221.7	221.0	220.2	219.3	218.4	217.6	218.4	219.3	220.2
105°	300.4	300.4	300.4	300.0	299.1	298.2	297.3	296.4	297.3	298.2	299.1
107.5°	379.4	379.0	378.5	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3
110°	432.7	432.2	431.8	431.5	431.5	431.5	431.5	431.5	431.5	431.5	431.5





TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	484.6	484.4	484.1	483.7	483.2	482.6	482.1	481.6	482.1	482.6	483.2
115°	562.2	562.0	561.8	561.1	560.0	558.9	557.7	556.6	557.7	558.9	560.0
117.5°	636.1	635.3	634.5	634.1	634.1	634.1	634.2	634.2	634.2	634.1	634.1
120°	683.3	682.7	682.0	681.8	682.0	682.2	682.4	682.7	682.4	682.2	682.0
122.5°	730.0	729.7	729.3	728.8	727.9	727.1	726.2	725.4	726.2	727.1	727.9
125°	798.6	798.6	798.6	797.8	796.3	794.7	793.0	791.5	793.0	794.7	796.3
127.5°	859.4	859.5	859.6	859.1	858.0	856.9	855.8	854.6	855.8	856.9	858.0
130°	899.0	898.8	898.5	897.9	896.8	895.6	894.5	893.3	894.5	895.6	896.8
132.5°	936.8	937.2	937.7	937.3	935.9	934.7	933.4	932.1	933.4	934.7	935.9
135°	992.1	992.5	993.0	992.5	991.2	989.9	988.5	987.1	988.5	989.9	991.2
137.5°	1042.0	1042.4	1042.8	1042.4	1041.3	1040.1	1038.9	1037.7	1038.9	1040.1	1041.3
140°	1072.3	1072.5	1072.8	1072.6	1072.2	1071.8	1071.3	1070.9	1071.3	1071.8	1072.2
142.5°	1102.7	1102.4	1102.1	1101.8	1101.5	1101.3	1101.0	1100.7	1101.0	1101.3	1101.5
145°	1146.5	1146.5	1146.5	1146.2	1145.8	1145.3	1144.9	1144.5	1144.9	1145.3	1145.8
147.5°	1183.1	1182.8	1182.5	1182.3	1182.5	1182.6	1182.7	1182.8	1182.7	1182.6	1182.5
150°	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1206.5	1206.1	1205.6
152.5°	1227.0	1226.6	1226.2	1226.4	1227.4	1228.4	1229.4	1230.3	1229.4	1228.4	1227.4
155°	1255.5	1255.1	1254.6	1255.1	1256.4	1257.7	1259.1	1260.4	1259.1	1257.7	1256.4
157.5°	1280.1	1280.0	1280.0	1280.4	1281.2	1282.0	1282.7	1283.5	1282.7	1282.0	1281.2
160°	1294.2	1294.0	1293.7	1294.3	1295.7	1297.1	1298.4	1299.7	1298.4	1297.1	1295.7
162.5°	1307.2	1306.9	1306.7	1307.3	1308.6	1309.9	1311.3	1312.6	1311.3	1309.9	1308.6
165°	1324.4	1324.2	1324.0	1324.6	1326.0	1327.3	1328.6	1330.0	1328.6	1327.3	1326.0
167.5°	1337.2	1337.0	1336.8	1337.4	1338.7	1340.1	1341.5	1342.9	1341.5	1340.1	1338.7
170°	1343.6	1343.4	1343.2	1343.8	1345.4	1347.0	1348.6	1350.1	1348.6	1347.0	1345.4
172.5°	1348.9	1348.5	1348.2	1348.7	1350.3	1351.8	1353.4	1354.9	1353.4	1351.8	1350.3
175°	1354.7	1354.5	1354.3	1354.8	1356.1	1357.6	1358.9	1360.2	1358.9	1357.6	1356.1
177.5°	1358.3	1358.1	1357.9	1358.4	1359.4	1360.5	1361.6	1362.6	1361.6	1360.5	1359.4
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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°	9.3	10.3	10.3	10.9	11.2	12.1	12.0	13.5	14.3	15.1	15.0
90°	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4	19.5	20.6	21.5
92.5°	10.5	10.6	11.9	13.3	14.7	16.2	17.3	18.4	19.5	20.6	21.3
95°	54.8	50.2	41.7	33.1	24.6	16.2	17.3	18.4	19.5	20.6	21.2
97.5°	124.8	117.0	100.2	83.3	66.4	49.6	43.3	37.0	30.7	24.3	21.2
100°	171.1	171.9	172.8	173.7	174.5	175.4	142.1	108.7	75.3	41.9	24.7
102.5°	221.0	221.7	222.3	222.8	223.3	223.9	217.5	211.2	204.9	198.5	187.8
105°	300.0	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.3
107.5°	378.3	378.5	379.0	379.4	379.9	380.3	380.4	380.4	380.5	380.5	380.2
110°	431.5	431.8	432.2	432.7	433.1	433.5	432.9	432.2	431.5	430.9	430.7



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	483.7	484.1	484.4	484.6	484.9	485.2	484.3	483.5	482.6	481.8	481.2
115°	561.1	561.8	562.0	562.2	562.4	562.6	561.8	560.9	560.0	559.1	558.0
117.5°	634.1	634.5	635.3	636.1	637.0	637.8	636.7	635.5	634.4	633.2	632.3
120°	681.8	682.0	682.7	683.3	684.0	684.7	684.2	683.8	683.3	682.9	682.1
122.5°	728.8	729.3	729.7	730.0	730.3	730.6	730.1	729.7	729.3	728.8	727.9
125°	797.8	798.6	798.6	798.6	798.6	798.6	797.7	796.8	795.9	795.0	794.3
127.5°	859.1	859.6	859.5	859.4	859.2	859.1	858.6	858.1	857.6	857.1	856.1
130°	897.9	898.5	898.8	899.0	899.2	899.4	898.8	898.1	897.4	896.8	895.9
132.5°	937.3	937.7	937.2	936.8	936.2	935.7	935.5	935.4	935.3	935.1	934.5
135°	992.5	993.0	992.5	992.1	991.6	991.2	990.7	990.3	989.9	989.4	988.5
137.5°	1042.4	1042.8	1042.4	1042.0	1041.6	1041.2	1041.3	1041.4	1041.5	1041.6	1041.0
140°	1072.6	1072.8	1072.5	1072.3	1072.1	1071.9	1072.3	1072.8	1073.2	1073.6	1073.2
142.5°	1101.8	1102.1	1102.4	1102.7	1103.0	1103.3	1103.4	1103.5	1103.6	1103.7	1103.1
145°	1146.2	1146.5	1146.5	1146.5	1146.5	1146.5	1146.7	1146.9	1147.1	1147.3	1146.8
147.5°	1182.3	1182.5	1182.8	1183.1	1183.3	1183.6	1183.9	1184.1	1184.4	1184.7	1184.0
150°	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1207.4	1207.9	1208.3	1208.7	1208.1
152.5°	1226.4	1226.2	1226.6	1227.0	1227.5	1227.9	1228.4	1228.8	1229.3	1229.7	1229.1
155°	1255.1	1254.6	1255.1	1255.5	1255.9	1256.4	1257.1	1257.7	1258.4	1259.1	1258.5
157.5°	1280.4	1280.0	1280.0	1280.1	1280.1	1280.2	1280.9	1281.6	1282.3	1283.0	1282.5
160°	1294.3	1293.7	1294.0	1294.2	1294.4	1294.6	1295.6	1296.5	1297.4	1298.3	1297.8
162.5°	1307.3	1306.7	1306.9	1307.2	1307.4	1307.6	1308.9	1310.1	1311.3	1312.6	1312.2
165°	1324.6	1324.0	1324.2	1324.4	1324.7	1324.9	1326.3	1327.6	1329.0	1330.3	1330.1
167.5°	1337.4	1336.8	1337.0	1337.2	1337.4	1337.7	1339.3	1340.9	1342.5	1344.1	1343.9
170°	1343.8	1343.2	1343.4	1343.6	1343.8	1344.1	1345.8	1347.7	1349.5	1351.3	1351.1
172.5°	1348.7	1348.2	1348.5	1348.9	1349.3	1349.7	1351.3	1352.9	1354.5	1356.1	1355.9
175°	1354.8	1354.3	1354.5	1354.7	1354.9	1355.1	1357.0	1358.8	1360.6	1362.3	1362.2
177.5°	1358.4	1357.9	1358.1	1358.3	1358.5	1358.6	1359.9	1361.1	1362.4	1363.6	1363.5
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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°	15.8	15.7	15.8	16.5	15.8	15.7	15.8	15.0	15.1	14.3	13.5
90°	22.2	22.8	23.5	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4
92.5°	21.6	21.9	22.3	22.6	22.3	21.9	21.6	21.3	20.6	19.5	18.4
95°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	20.6	19.5	18.4
97.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	24.3	30.7	37.0
100°	23.8	22.9	22.1	21.2	22.1	22.9	23.8	24.7	41.9	75.3	108.7
102.5°	172.6	157.3	142.1	126.8	142.1	157.3	172.6	187.8	198.5	204.9	211.2
105°	300.1	299.9	299.7	299.4	299.7	299.9	300.1	300.3	300.4	300.4	300.4
107.5°	379.5	378.9	378.2	377.5	378.2	378.9	379.5	380.2	380.5	380.5	380.4
110°	430.9	431.1	431.3	431.5	431.3	431.1	430.9	430.7	430.9	431.5	432.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	480.9	480.6	480.3	480.0	480.3	480.6	480.9	481.2	481.8	482.6	483.5
115°	556.6	555.2	553.9	552.6	553.9	555.2	556.6	558.0	559.1	560.0	560.9
117.5°	631.8	631.2	630.6	630.0	630.6	631.2	631.8	632.3	633.2	634.4	635.5
120°	681.0	679.8	678.7	677.6	678.7	679.8	681.0	682.1	682.9	683.3	683.8
122.5°	726.7	725.4	724.1	722.8	724.1	725.4	726.7	727.9	728.8	729.3	729.7
125°	793.6	792.8	792.2	791.5	792.2	792.8	793.6	794.3	795.0	795.9	796.8
127.5°	854.3	852.7	851.1	849.4	851.1	852.7	854.3	856.1	857.1	857.6	858.1
130°	894.7	893.6	892.5	891.3	892.5	893.6	894.7	895.9	896.8	897.4	898.1
132.5°	933.4	932.3	931.2	930.1	931.2	932.3	933.4	934.5	935.1	935.3	935.4
135°	987.1	985.8	984.4	983.1	984.4	985.8	987.1	988.5	989.4	989.9	990.3
137.5°	1039.9	1038.6	1037.5	1036.3	1037.5	1038.6	1039.9	1041.0	1041.6	1041.5	1041.4
140°	1071.9	1070.5	1069.1	1067.8	1069.1	1070.5	1071.9	1073.2	1073.6	1073.2	1072.8
142.5°	1101.7	1100.3	1099.0	1097.6	1099.0	1100.3	1101.7	1103.1	1103.7	1103.6	1103.5
145°	1145.5	1144.1	1142.8	1141.5	1142.8	1144.1	1145.5	1146.8	1147.3	1147.1	1146.9
147.5°	1182.3	1180.7	1179.1	1177.5	1179.1	1180.7	1182.3	1184.0	1184.7	1184.4	1184.1
150°	1206.3	1204.5	1202.6	1200.9	1202.6	1204.5	1206.3	1208.1	1208.7	1208.3	1207.9
152.5°	1227.5	1225.9	1224.3	1222.6	1224.3	1225.9	1227.5	1229.1	1229.7	1229.3	1228.8
155°	1256.7	1254.9	1253.1	1251.3	1253.1	1254.9	1256.7	1258.5	1259.1	1258.4	1257.7
157.5°	1280.7	1278.9	1277.1	1275.4	1277.1	1278.9	1280.7	1282.5	1283.0	1282.3	1281.6
160°	1296.1	1294.2	1292.4	1290.6	1292.4	1294.2	1296.1	1297.8	1298.3	1297.4	1296.5
162.5°	1310.3	1308.3	1306.4	1304.3	1306.4	1308.3	1310.3	1312.2	1312.6	1311.3	1310.1
165°	1328.3	1326.5	1324.7	1322.9	1324.7	1326.5	1328.3	1330.1	1330.3	1329.0	1327.6
167.5°	1341.9	1339.9	1337.9	1335.8	1337.9	1339.9	1341.9	1343.9	1344.1	1342.5	1340.9
170°	1349.1	1347.2	1345.1	1343.1	1345.1	1347.2	1349.1	1351.1	1351.3	1349.5	1347.7
172.5°	1353.9	1351.9	1349.9	1348.0	1349.9	1351.9	1353.9	1355.9	1356.1	1354.5	1352.9
175°	1360.2	1358.2	1356.1	1354.1	1356.1	1358.2	1360.2	1362.2	1362.3	1360.6	1358.8
177.5°	1362.1	1360.7	1359.3	1357.8	1359.3	1360.7	1362.1	1363.5	1363.6	1362.4	1361.1
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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°	12.0	12.1	11.2	10.9	10.3	10.3	9.3	8.7	8.0	7.9	8.5
90°	17.3	16.2	14.5	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0
92.5°	17.3	16.2	14.7	13.3	11.9	10.6	10.5	11.7	13.0	14.2	15.6
95°	17.3	16.2	24.6	33.1	41.7	50.2	54.8	55.4	56.1	56.8	57.5
97.5°	43.3	49.6	66.4	83.3	100.2	117.0	124.8	123.6	122.4	121.2	120.0
100°	142.1	175.4	174.5	173.7	172.8	171.9	171.1	170.4	169.8	169.1	168.3
102.5°	217.5	223.9	223.3	222.8	222.3	221.7	221.0	220.2	219.3	218.4	217.6
105°	300.4	300.4	300.4	300.4	300.4	300.4	300.0	299.1	298.2	297.3	296.4
107.5°	380.4	380.3	379.9	379.4	379.0	378.5	378.3	378.3	378.3	378.3	378.3
110°	432.9	433.5	433.1	432.7	432.2	431.8	431.5	431.5	431.5	431.5	431.5



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	484.3	485.2	484.9	484.6	484.4	484.1	483.7	483.2	482.6	482.1	481.6
115°	561.8	562.6	562.4	562.2	562.0	561.8	561.1	560.0	558.9	557.7	556.6
117.5°	636.7	637.8	637.0	636.1	635.3	634.5	634.1	634.1	634.1	634.2	634.2
120°	684.2	684.7	684.0	683.3	682.7	682.0	681.8	682.0	682.2	682.4	682.7
122.5°	730.1	730.6	730.3	730.0	729.7	729.3	728.8	727.9	727.1	726.2	725.4
125°	797.7	798.6	798.6	798.6	798.6	798.6	797.8	796.3	794.7	793.0	791.5
127.5°	858.6	859.1	859.2	859.4	859.5	859.6	859.1	858.0	856.9	855.8	854.6
130°	898.8	899.4	899.2	899.0	898.8	898.5	897.9	896.8	895.6	894.5	893.3
132.5°	935.5	935.7	936.2	936.8	937.2	937.7	937.3	935.9	934.7	933.4	932.1
135°	990.7	991.2	991.6	992.1	992.5	993.0	992.5	991.2	989.9	988.5	987.1
137.5°	1041.3	1041.2	1041.6	1042.0	1042.4	1042.8	1042.4	1041.3	1040.1	1038.9	1037.7
140°	1072.3	1071.9	1072.1	1072.3	1072.5	1072.8	1072.6	1072.2	1071.8	1071.3	1070.9
142.5°	1103.4	1103.3	1103.0	1102.7	1102.4	1102.1	1101.8	1101.5	1101.3	1101.0	1100.7
145°	1146.7	1146.5	1146.5	1146.5	1146.5	1146.5	1146.2	1145.8	1145.3	1144.9	1144.5
147.5°	1183.9	1183.6	1183.3	1183.1	1182.8	1182.5	1182.3	1182.5	1182.6	1182.7	1182.8
150°	1207.4	1207.0	1206.5	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0
152.5°	1228.4	1227.9	1227.5	1227.0	1226.6	1226.2	1226.4	1227.4	1228.4	1229.4	1230.3
155°	1257.1	1256.4	1255.9	1255.5	1255.1	1254.6	1255.1	1256.4	1257.7	1259.1	1260.4
157.5°	1280.9	1280.2	1280.1	1280.1	1280.0	1280.0	1280.4	1281.2	1282.0	1282.7	1283.5
160°	1295.6	1294.6	1294.4	1294.2	1294.0	1293.7	1294.3	1295.7	1297.1	1298.4	1299.7
162.5°	1308.9	1307.6	1307.4	1307.2	1306.9	1306.7	1307.3	1308.6	1309.9	1311.3	1312.6
165°	1326.3	1324.9	1324.7	1324.4	1324.2	1324.0	1324.6	1326.0	1327.3	1328.6	1330.0
167.5°	1339.3	1337.7	1337.4	1337.2	1337.0	1336.8	1337.4	1338.7	1340.1	1341.5	1342.9
170°	1345.8	1344.1	1343.8	1343.6	1343.4	1343.2	1343.8	1345.4	1347.0	1348.6	1350.1
172.5°	1351.3	1349.7	1349.3	1348.9	1348.5	1348.2	1348.7	1350.3	1351.8	1353.4	1354.9
175°	1357.0	1355.1	1354.9	1354.7	1354.5	1354.3	1354.8	1356.1	1357.6	1358.9	1360.2
177.5°	1359.9	1358.6	1358.5	1358.3	1358.1	1357.9	1358.4	1359.4	1360.5	1361.6	1362.6
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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	9.2	10.5	12.4	13.6	15.1	16.1	15.8	14.8	14.2	13.5
90°	2.8	4.5	6.4	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4
92.5°	14.2	13.0	11.7	10.5	10.6	11.9	13.3	14.7	16.2	17.3	18.4
95°	56.8	56.1	55.4	54.8	50.2	41.7	33.1	24.6	16.2	17.3	18.4
97.5°	121.2	122.4	123.6	124.8	117.0	100.2	83.3	66.4	49.6	43.3	37.0
100°	169.1	169.8	170.4	171.1	171.9	172.8	173.7	174.5	175.4	142.1	108.7
102.5°	218.4	219.3	220.2	221.0	221.7	222.3	222.8	223.3	223.9	217.5	211.2
105°	297.3	298.2	299.1	300.0	300.4	300.4	300.4	300.4	300.4	300.4	300.4
107.5°	378.3	378.3	378.3	378.3	378.5	379.0	379.4	379.9	380.3	380.4	380.4
110°	431.5	431.5	431.5	431.5	431.8	432.2	432.7	433.1	433.5	432.9	432.2





TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	482.1	482.6	483.2	483.7	484.1	484.4	484.6	484.9	485.2	484.3	483.5
115°	557.7	558.9	560.0	561.1	561.8	562.0	562.2	562.4	562.6	561.8	560.9
117.5°	634.2	634.1	634.1	634.1	634.5	635.3	636.1	637.0	637.8	636.7	635.5
120°	682.4	682.2	682.0	681.8	682.0	682.7	683.3	684.0	684.7	684.2	683.8
122.5°	726.2	727.1	727.9	728.8	729.3	729.7	730.0	730.3	730.6	730.1	729.7
125°	793.0	794.7	796.3	797.8	798.6	798.6	798.6	798.6	798.6	797.7	796.8
127.5°	855.8	856.9	858.0	859.1	859.6	859.5	859.4	859.2	859.1	858.6	858.1
130°	894.5	895.6	896.8	897.9	898.5	898.8	899.0	899.2	899.4	898.8	898.1
132.5°	933.4	934.7	935.9	937.3	937.7	937.2	936.8	936.2	935.7	935.5	935.4
135°	988.5	989.9	991.2	992.5	993.0	992.5	992.1	991.6	991.2	990.7	990.3
137.5°	1038.9	1040.1	1041.3	1042.4	1042.8	1042.4	1042.0	1041.6	1041.2	1041.3	1041.4
140°	1071.3	1071.8	1072.2	1072.6	1072.8	1072.5	1072.3	1072.1	1071.9	1072.3	1072.8
142.5°	1101.0	1101.3	1101.5	1101.8	1102.1	1102.4	1102.7	1103.0	1103.3	1103.4	1103.5
145°	1144.9	1145.3	1145.8	1146.2	1146.5	1146.5	1146.5	1146.5	1146.5	1146.7	1146.9
147.5°	1182.7	1182.6	1182.5	1182.3	1182.5	1182.8	1183.1	1183.3	1183.6	1183.9	1184.1
150°	1206.5	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1207.4	1207.9
152.5°	1229.4	1228.4	1227.4	1226.4	1226.2	1226.6	1227.0	1227.5	1227.9	1228.4	1228.8
155°	1259.1	1257.7	1256.4	1255.1	1254.6	1255.1	1255.5	1255.9	1256.4	1257.1	1257.7
157.5°	1282.7	1282.0	1281.2	1280.4	1280.0	1280.0	1280.1	1280.1	1280.2	1280.9	1281.6
160°	1298.4	1297.1	1295.7	1294.3	1293.7	1294.0	1294.2	1294.4	1294.6	1295.6	1296.5
162.5°	1311.3	1309.9	1308.6	1307.3	1306.7	1306.9	1307.2	1307.4	1307.6	1308.9	1310.1
165°	1328.6	1327.3	1326.0	1324.6	1324.0	1324.2	1324.4	1324.7	1324.9	1326.3	1327.6
167.5°	1341.5	1340.1	1338.7	1337.4	1336.8	1337.0	1337.2	1337.4	1337.7	1339.3	1340.9
170°	1348.6	1347.0	1345.4	1343.8	1343.2	1343.4	1343.6	1343.8	1344.1	1345.8	1347.7
172.5°	1353.4	1351.8	1350.3	1348.7	1348.2	1348.5	1348.9	1349.3	1349.7	1351.3	1352.9
175°	1358.9	1357.6	1356.1	1354.8	1354.3	1354.5	1354.7	1354.9	1355.1	1357.0	1358.8
177.5°	1361.6	1360.5	1359.4	1358.4	1357.9	1358.1	1358.3	1358.5	1358.6	1359.9	1361.1
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**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°	13.7	12.7	12.9	12.7	12.8	12.7	12.2
90°	19.5	20.6	21.5	22.2	22.8	23.5	24.2
92.5°	19.5	20.6	21.3	21.6	21.9	22.3	22.6
95°	19.5	20.6	21.2	21.2	21.2	21.2	21.2
97.5°	30.7	24.3	21.2	21.2	21.2	21.2	21.2
100°	75.3	41.9	24.7	23.8	22.9	22.1	21.2
102.5°	204.9	198.5	187.8	172.6	157.3	142.1	126.8
105°	300.4	300.4	300.3	300.1	299.9	299.7	299.4
107.5°	380.5	380.5	380.2	379.5	378.9	378.2	377.5
110°	431.5	430.9	430.7	430.9	431.1	431.3	431.5



TEST NUMBER: P333187-840

CATALOG NUMBER: S125DIP-S610D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.6	481.8	481.2	480.9	480.6	480.3	480.0
115°	560.0	559.1	558.0	556.6	555.2	553.9	552.6
117.5°	634.4	633.2	632.3	631.8	631.2	630.6	630.0
120°	683.3	682.9	682.1	681.0	679.8	678.7	677.6
122.5°	729.3	728.8	727.9	726.7	725.4	724.1	722.8
125°	795.9	795.0	794.3	793.6	792.8	792.2	791.5
127.5°	857.6	857.1	856.1	854.3	852.7	851.1	849.4
130°	897.4	896.8	895.9	894.7	893.6	892.5	891.3
132.5°	935.3	935.1	934.5	933.4	932.3	931.2	930.1
135°	989.9	989.4	988.5	987.1	985.8	984.4	983.1
137.5°	1041.5	1041.6	1041.0	1039.9	1038.6	1037.5	1036.3
140°	1073.2	1073.6	1073.2	1071.9	1070.5	1069.1	1067.8
142.5°	1103.6	1103.7	1103.1	1101.7	1100.3	1099.0	1097.6
145°	1147.1	1147.3	1146.8	1145.5	1144.1	1142.8	1141.5
147.5°	1184.4	1184.7	1184.0	1182.3	1180.7	1179.1	1177.5
150°	1208.3	1208.7	1208.1	1206.3	1204.5	1202.6	1200.9
152.5°	1229.3	1229.7	1229.1	1227.5	1225.9	1224.3	1222.6
155°	1258.4	1259.1	1258.5	1256.7	1254.9	1253.1	1251.3
157.5°	1282.3	1283.0	1282.5	1280.7	1278.9	1277.1	1275.4
160°	1297.4	1298.3	1297.8	1296.1	1294.2	1292.4	1290.6
162.5°	1311.3	1312.6	1312.2	1310.3	1308.3	1306.4	1304.3
165°	1329.0	1330.3	1330.1	1328.3	1326.5	1324.7	1322.9
167.5°	1342.5	1344.1	1343.9	1341.9	1339.9	1337.9	1335.8
170°	1349.5	1351.3	1351.1	1349.1	1347.2	1345.1	1343.1
172.5°	1354.5	1356.1	1355.9	1353.9	1351.9	1349.9	1348.0
175°	1360.6	1362.3	1362.2	1360.2	1358.2	1356.1	1354.1
177.5°	1362.4	1363.6	1363.5	1362.1	1360.7	1359.3	1357.8
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2

(END OF REPORT)