

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: P333539-840

Luminaire Tested: **S125RDIP-S610D1035U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333539-840
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: S125RDIP-S610D1035U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6039.1 lumens
Efficiency: N/A
Efficacy: 135.7 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: General Diffuse

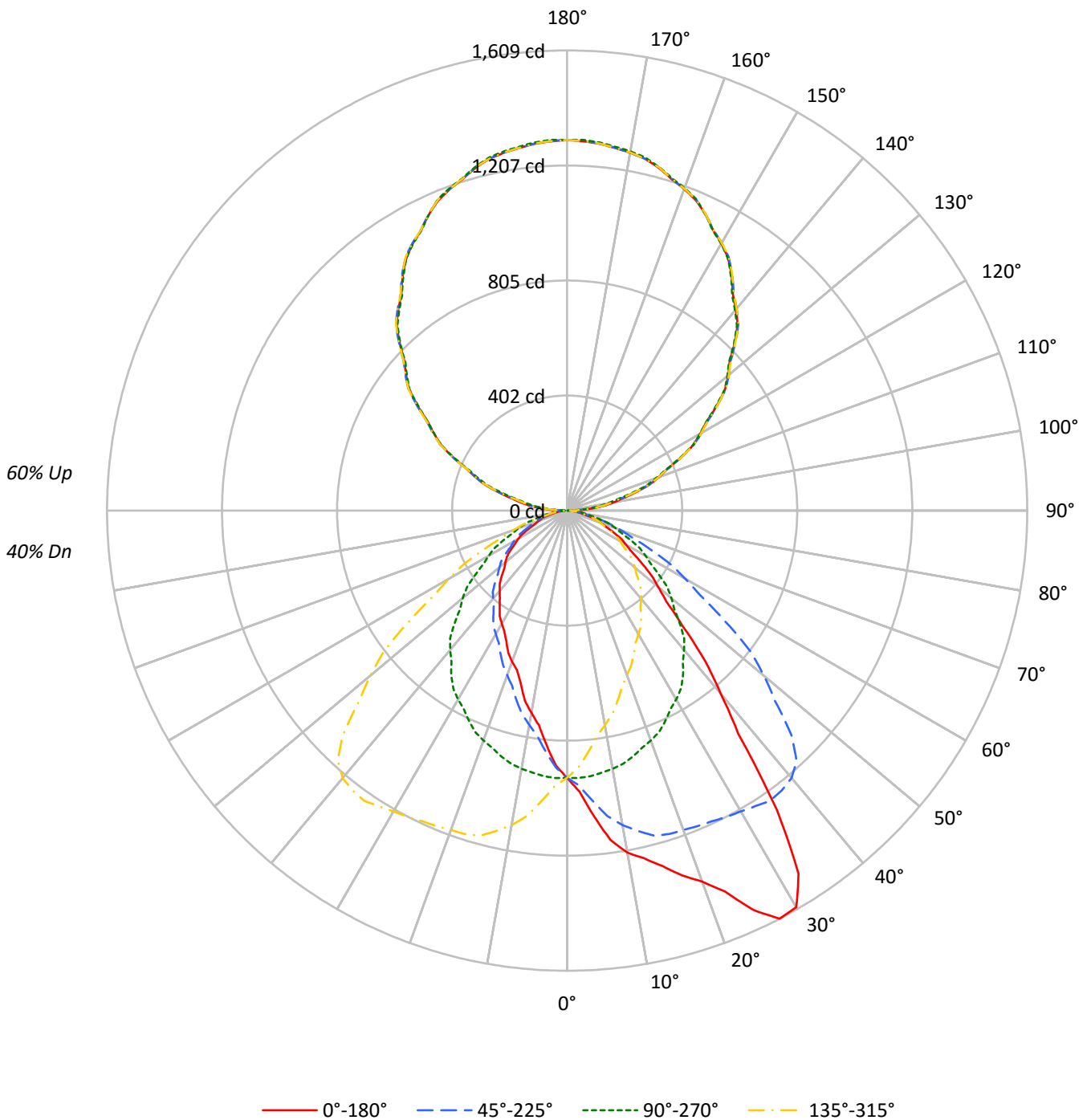
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	53	52	42	41	40	35
2	88	80	75	70	80	74	69	64	61	57	54	49	46	44	37	36	34	29
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	33	31	30	25
4	73	63	55	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	45	40	43	38	34	35	31	28	27	25	23	19
6	62	50	42	37	56	46	39	34	39	33	29	31	28	25	25	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	28	48	38	31	27	32	27	23	26	22	19	21	18	16	13
9	49	38	30	25	45	35	28	24	29	24	21	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6035	6035	6035	6035
5°	6944	6043	5337	6043
10°	7965	6013	4709	6013
15°	8603	5951	4186	5951
20°	9487	5880	3865	5880
25°	10979	5784	3587	5784
30°	11946	5684	3404	5684
35°	10078	5568	3236	5568
40°	7038	5359	3092	5359
45°	5221	5076	2951	5076
50°	4163	4784	2829	4784
55°	3533	4418	2721	4418
60°	3052	4093	2547	4093
65°	2720	3741	2193	3741
70°	2391	3427	1998	3427
75°	2069	2969	1876	2969
80°	1570	2499	1570	2499
85°	1312	1964	1482	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.5
10°-20°	262.6	4.3
20°-30°	416.4	6.9
30°-40°	502.1	8.3
40°-50°	448.4	7.4
50°-60°	343.9	5.7
60°-70°	223.5	3.7
70°-80°	108.6	1.8
80°-90°	28.8	0.5
90°-100°	86.8	1.4
100°-110°	256.2	4.2
110°-120°	434.0	7.2
120°-130°	571.2	9.5
130°-140°	640.0	10.6
140°-150°	627.3	10.4
150°-160°	526.9	8.7
160°-170°	350.2	5.8
170°-180°	122.6	2.0
0°-30°	768.6	12.7
0°-40°	1270.8	21.0
0°-60°	2063.1	34.2
0°-90°	2424.0	40.1
90°-120°	777.0	12.9
90°-150°	2615.5	43.3
90°-180°	3615.0	59.9
0°-180°	6039.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	1071	932	823	932	1071	107
15°	1287	890	626	890	1287	369
25°	1541	812	503	812	1541	707
35°	1278	706	410	706	1278	772
45°	572	556	323	556	572	456
55°	314	392	242	392	314	285
65°	178	245	144	245	178	177
75°	83	119	75	119	83	88
85°	18	26	20	26	18	21
90°	24	1	24	1	24	15
95°	87	66	87	66	87	88
105°	250	230	250	230	250	265
115°	439	434	439	434	439	434
125°	638	634	638	634	638	570
135°	828	825	828	825	828	638
145°	1003	999	1003	999	1003	626
155°	1143	1143	1143	1143	1143	526
165°	1240	1243	1240	1243	1240	350
175°	1288	1292	1288	1292	1288	122
180°	1296	1296	1296	1296	1296	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	983.0	982.4	983.6	980.2	980.6	975.3	975.3	971.3	966.1	962.1	960.3
5°	1071.1	1071.9	1070.3	1064.5	1060.7	1054.9	1048.4	1036.9	1027.3	1018.1	1010.9
7.5°	1161.7	1162.3	1157.2	1155.5	1145.8	1138.7	1124.3	1108.6	1094.7	1077.0	1063.6
10°	1214.6	1214.2	1208.8	1204.6	1196.1	1185.4	1171.1	1152.8	1135.5	1116.3	1097.9
12.5°	1245.3	1244.3	1242.5	1237.4	1229.6	1220.0	1208.0	1189.9	1168.6	1147.6	1126.2
15°	1286.7	1283.9	1279.0	1272.4	1261.3	1250.2	1236.8	1220.7	1200.3	1176.6	1156.6
17.5°	1337.9	1338.0	1330.3	1321.3	1306.2	1286.5	1265.8	1239.8	1212.1	1186.0	1164.8
20°	1380.3	1379.1	1371.4	1353.8	1336.6	1312.0	1288.2	1256.4	1222.6	1188.4	1162.0
22.5°	1441.0	1438.0	1430.1	1406.8	1380.1	1348.5	1312.1	1273.2	1232.4	1193.7	1158.9
25°	1540.7	1538.3	1522.6	1495.7	1458.1	1409.4	1361.8	1308.5	1249.8	1198.8	1156.6
27.5°	1608.7	1606.2	1594.6	1572.3	1537.5	1486.3	1421.9	1350.7	1277.4	1207.2	1146.3
30°	1601.9	1607.7	1606.2	1595.9	1569.7	1523.7	1464.3	1384.1	1297.0	1214.6	1142.1
32.5°	1505.6	1510.8	1524.3	1544.6	1546.1	1527.7	1483.3	1409.3	1319.1	1225.3	1138.6
35°	1278.2	1285.2	1311.2	1352.2	1405.9	1450.9	1460.1	1420.2	1339.2	1238.3	1133.6
37.5°	982.7	1020.5	1042.4	1085.6	1166.7	1249.3	1328.7	1358.0	1323.5	1232.9	1125.4
40°	834.8	843.9	883.1	931.8	1000.1	1086.0	1199.2	1280.9	1283.5	1220.7	1112.5
42.5°	714.5	726.1	753.0	791.8	850.3	936.2	1053.1	1160.9	1210.8	1186.9	1095.6
45°	571.6	580.4	600.0	629.9	674.8	745.8	846.3	971.0	1070.0	1108.6	1050.4
47.5°	469.6	474.3	491.3	514.1	547.3	599.1	676.8	785.1	903.8	987.0	978.9
50°	414.3	419.7	432.7	450.0	478.0	521.7	583.9	674.0	796.4	898.1	918.4
52.5°	371.3	375.8	384.0	400.3	423.3	457.0	507.2	588.8	698.8	806.9	853.9
55°	313.8	316.9	323.4	332.5	351.0	375.2	418.5	474.9	563.9	672.9	741.9
57.5°	266.4	267.9	272.1	280.5	293.3	310.9	342.2	390.1	453.9	552.0	628.2
60°	236.3	237.8	243.2	248.9	258.9	275.1	299.6	333.0	394.4	475.3	552.4
62.5°	212.4	213.3	215.6	221.4	230.0	242.6	261.9	289.1	337.9	409.0	481.8
65°	178.0	178.3	179.2	183.8	189.1	198.3	211.0	230.1	267.0	320.7	385.2
67.5°	145.0	145.5	148.2	149.9	155.4	160.3	167.7	182.4	208.3	244.5	294.6
70°	126.6	126.2	128.9	130.8	132.7	138.5	143.5	155.3	171.5	199.1	241.0
72.5°	109.4	108.5	109.6	110.3	112.8	116.7	121.7	129.0	141.4	160.5	192.4
75°	82.9	83.2	83.2	84.0	85.9	87.5	89.0	92.8	99.8	112.4	129.7
77.5°	58.2	57.6	59.2	59.4	60.5	62.2	63.5	65.0	67.9	73.1	82.0
80°	42.2	42.2	42.6	43.7	43.3	44.1	46.0	47.6	51.0	54.1	57.2
82.5°	32.4	32.1	32.4	32.7	32.6	33.3	34.0	34.3	35.6	37.2	39.4
85°	17.7	17.7	18.1	18.1	18.4	18.4	18.8	18.8	18.8	19.2	19.6
87.5°	11.6	11.1	10.7	10.6	10.7	11.2	10.6	10.1	9.9	9.7	9.7
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°	47.6	47.1	46.6	46.2	45.6	44.6	43.1	41.7	40.2	38.7	36.8
95°	86.7	86.2	85.8	85.3	84.9	83.9	82.3	80.8	79.2	77.7	75.4
97.5°	131.5	131.2	131.0	130.7	130.4	129.6	128.1	126.5	125.1	123.6	120.5
100°	165.3	164.9	164.4	164.0	163.6	162.3	160.3	158.2	156.2	154.2	151.4
102.5°	199.2	198.6	197.9	197.3	196.7	195.3	193.1	190.9	188.7	186.5	185.0
105°	250.0	249.3	248.7	248.0	247.3	246.3	245.0	243.7	242.3	241.0	239.6
107.5°	302.1	302.2	302.2	302.2	302.3	301.9	301.2	300.5	299.9	299.2	298.2
110°	340.7	341.0	341.2	341.4	341.6	341.4	340.7	340.1	339.4	338.7	338.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	378.7	379.1	379.5	379.9	380.3	380.3	380.0	379.7	379.4	379.1	378.2
115°	438.6	438.8	439.0	439.2	439.5	439.7	439.9	440.1	440.4	440.6	440.1
117.5°	497.1	498.0	498.9	499.7	500.6	501.0	500.8	500.6	500.5	500.3	499.9
120°	537.3	538.3	539.2	540.1	541.0	541.4	541.4	541.4	541.4	541.4	541.2
122.5°	577.7	578.5	579.2	579.9	580.6	581.0	581.2	581.4	581.6	581.7	581.2
125°	638.2	638.4	638.6	638.8	639.0	639.4	639.9	640.4	640.8	641.3	641.0
127.5°	696.3	696.7	697.1	697.6	698.0	698.4	698.6	698.8	699.0	699.3	699.0
130°	735.0	735.4	735.9	736.3	736.8	737.1	737.3	737.5	737.8	738.0	737.5
132.5°	771.2	771.9	772.5	773.2	773.8	774.2	774.5	774.7	774.9	775.1	775.2
135°	827.7	828.6	829.5	830.4	831.3	831.7	831.7	831.7	831.7	831.7	831.5
137.5°	883.0	884.1	885.2	886.4	887.5	887.9	887.6	887.4	887.1	886.8	886.4
140°	918.5	919.6	920.7	921.8	922.9	923.3	922.8	922.4	921.9	921.5	920.8
142.5°	952.3	953.5	954.6	955.7	956.8	957.3	956.9	956.7	956.4	956.1	955.3
145°	1003.2	1003.8	1004.5	1005.2	1005.8	1006.2	1006.2	1006.2	1006.2	1006.2	1005.5
147.5°	1046.5	1048.0	1049.6	1051.1	1052.6	1053.1	1052.6	1052.0	1051.5	1051.0	1050.4
150°	1078.7	1079.2	1079.6	1080.2	1080.6	1080.8	1080.8	1080.8	1080.8	1080.8	1079.8
152.5°	1105.4	1106.2	1107.0	1107.8	1108.6	1108.7	1108.2	1107.7	1107.1	1106.6	1106.2
155°	1143.3	1144.4	1145.5	1146.7	1147.8	1147.9	1147.0	1146.1	1145.2	1144.3	1144.1
157.5°	1175.0	1176.4	1177.9	1179.4	1180.8	1181.1	1180.2	1179.3	1178.5	1177.6	1177.4
160°	1196.7	1197.9	1199.0	1200.1	1201.2	1201.3	1200.4	1199.5	1198.6	1197.7	1197.5
162.5°	1215.3	1216.6	1217.9	1219.2	1220.5	1220.6	1219.5	1218.4	1217.4	1216.3	1216.3
165°	1240.1	1241.4	1242.7	1244.2	1245.5	1245.7	1244.8	1243.9	1243.0	1242.1	1241.8
167.5°	1259.8	1261.2	1262.6	1264.0	1265.4	1265.5	1264.0	1262.7	1261.4	1260.0	1260.0
170°	1270.3	1271.9	1273.4	1275.1	1276.6	1276.7	1275.4	1274.0	1272.7	1271.3	1271.3
172.5°	1279.2	1280.6	1282.0	1283.3	1284.8	1284.8	1283.4	1282.1	1280.7	1279.4	1279.4
175°	1287.5	1289.0	1290.6	1292.2	1293.7	1293.8	1292.5	1291.2	1289.8	1288.5	1288.5
177.5°	1292.3	1293.5	1294.8	1296.1	1297.4	1297.4	1296.4	1295.3	1294.2	1293.1	1293.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	960.3	958.2	954.1	950.5	945.8	941.9	939.1	935.7	931.4	926.2	921.9
5°	1002.8	994.3	983.2	973.6	961.4	951.8	941.8	932.2	922.6	910.3	899.6
7.5°	1049.9	1032.5	1015.5	994.2	974.8	957.6	941.0	924.2	907.8	890.4	873.5
10°	1078.7	1057.6	1034.2	1007.3	982.8	959.5	938.0	916.9	894.6	875.0	853.9
12.5°	1105.7	1078.5	1051.8	1017.8	988.4	959.8	932.4	906.2	882.3	857.0	834.2
15°	1130.1	1103.3	1073.4	1032.0	990.9	956.3	924.1	890.0	860.5	832.0	806.8
17.5°	1139.5	1111.5	1076.6	1036.8	992.0	948.6	907.1	869.6	834.9	801.7	773.3
20°	1135.9	1108.6	1073.0	1035.0	987.0	941.8	896.9	855.5	816.7	781.8	751.5
22.5°	1127.0	1098.8	1064.4	1024.3	978.8	930.7	882.8	838.6	798.0	761.8	728.8
25°	1113.7	1075.3	1040.0	1000.9	957.6	910.0	860.5	811.7	768.4	731.5	695.5
27.5°	1099.7	1051.9	1007.0	968.1	922.3	879.9	832.1	782.2	736.6	699.1	662.2
30°	1087.2	1033.5	984.0	939.9	896.6	856.3	810.9	762.2	715.5	676.7	639.1
32.5°	1071.6	1014.4	960.1	909.2	867.4	827.4	786.4	739.8	694.3	654.3	616.1
35°	1051.9	979.0	919.9	865.9	819.4	780.6	743.9	706.2	660.6	619.1	582.0
37.5°	1026.1	943.4	875.0	816.1	767.2	728.2	699.2	664.8	623.2	583.5	549.0
40°	1010.5	917.7	842.8	784.5	733.1	692.1	664.8	635.6	597.6	560.5	525.9
42.5°	989.6	894.0	810.3	749.5	697.8	658.3	630.8	605.3	573.4	538.4	501.4
45°	948.7	848.2	760.3	695.1	643.0	604.2	578.5	555.8	531.7	499.5	467.3
47.5°	895.4	800.4	708.4	637.2	586.1	550.2	525.2	507.4	490.1	462.7	431.4
50°	852.8	761.1	671.4	602.3	547.9	513.6	490.3	476.1	460.3	435.5	409.3
52.5°	802.4	720.6	632.7	562.1	510.7	478.7	456.2	442.0	429.0	408.7	383.8
55°	723.2	651.4	570.8	506.8	459.6	427.4	405.9	392.4	384.8	367.5	347.9
57.5°	631.6	580.2	509.2	447.4	405.7	373.8	358.1	346.7	338.0	325.8	311.9
60°	567.7	531.7	468.0	409.3	370.9	340.6	326.5	316.9	308.8	298.4	287.7
62.5°	503.0	476.8	421.4	370.9	335.7	310.2	297.0	288.3	279.0	272.1	261.7
65°	416.3	392.8	354.5	315.0	282.4	262.1	252.5	244.8	239.0	231.4	224.0
67.5°	323.8	314.3	287.8	260.5	237.1	219.0	210.8	205.4	198.4	193.9	188.8
70°	267.0	262.4	243.6	225.6	203.7	191.5	183.8	181.5	173.0	168.4	164.9
72.5°	216.7	214.5	203.7	191.2	175.8	165.0	157.9	155.3	150.0	146.3	144.1
75°	148.5	149.3	147.3	139.3	133.5	126.6	120.5	119.0	115.1	112.0	110.1
77.5°	93.9	97.9	98.0	97.6	95.3	91.1	88.6	87.4	83.6	82.5	82.0
80°	64.4	68.7	72.5	72.1	71.4	70.2	68.3	67.2	65.2	64.0	63.3
82.5°	42.9	46.9	50.1	52.2	52.0	50.9	49.6	49.0	48.7	47.8	47.7
85°	20.3	21.1	22.2	24.9	26.9	27.3	26.9	26.5	25.3	25.8	26.1
87.5°	9.7	9.4	9.3	9.0	8.4	9.5	10.1	10.0	9.8	9.5	9.3
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°	34.8	32.9	31.0	29.4	28.2	26.9	25.7	24.4	25.7	26.9	28.2
95°	73.1	70.9	68.7	67.4	66.9	66.4	65.9	65.5	65.9	66.4	66.9
97.5°	117.4	114.3	111.3	109.6	109.5	109.3	109.1	108.9	109.1	109.3	109.5
100°	148.5	145.5	142.6	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2
102.5°	183.6	182.1	180.6	179.5	178.5	177.6	176.7	175.8	176.7	177.6	178.5
105°	238.2	236.9	235.6	234.4	233.3	232.1	231.0	229.8	231.0	232.1	233.3
107.5°	297.2	296.1	295.1	294.1	293.0	291.8	290.6	289.5	290.6	291.8	293.0
110°	337.4	336.7	336.1	335.2	334.1	333.0	331.8	330.7	331.8	333.0	334.1



TEST NUMBER: P333539-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	377.4	376.6	375.7	375.0	374.4	373.8	373.2	372.6	373.2	373.8	374.4
115°	439.7	439.2	438.8	438.1	437.3	436.4	435.5	434.5	435.5	436.4	437.3
117.5°	499.5	499.1	498.7	498.3	497.9	497.5	497.1	496.7	497.1	497.5	497.9
120°	541.0	540.7	540.5	539.9	538.8	537.6	536.4	535.3	536.4	537.6	538.8
122.5°	580.6	580.0	579.4	579.0	578.6	578.1	577.7	577.3	577.7	578.1	578.6
125°	640.8	640.6	640.4	639.5	638.2	636.8	635.5	634.2	635.5	636.8	638.2
127.5°	698.7	698.5	698.2	697.7	696.9	696.2	695.4	694.7	695.4	696.2	696.9
130°	737.1	736.7	736.2	735.4	734.3	733.2	732.1	730.9	732.1	733.2	734.3
132.5°	775.3	775.4	775.5	774.6	772.7	770.9	769.1	767.2	769.1	770.9	772.7
135°	831.3	831.1	830.9	830.1	828.7	827.4	826.1	824.8	826.1	827.4	828.7
137.5°	885.9	885.3	884.8	883.9	882.6	881.3	880.0	878.8	880.0	881.3	882.6
140°	920.2	919.5	918.8	917.9	916.8	915.6	914.5	913.4	914.5	915.6	916.8
142.5°	954.5	953.6	952.8	951.9	950.9	950.0	949.1	948.1	949.1	950.0	950.9
145°	1004.8	1004.2	1003.5	1002.7	1001.8	1000.9	1000.1	999.2	1000.1	1000.9	1001.8
147.5°	1049.9	1049.4	1048.8	1048.2	1047.8	1047.3	1046.8	1046.3	1046.8	1047.3	1047.8
150°	1079.0	1078.1	1077.2	1076.9	1077.1	1077.3	1077.5	1077.7	1077.5	1077.3	1077.1
152.5°	1105.9	1105.5	1105.2	1104.8	1104.5	1104.2	1103.9	1103.6	1103.9	1104.2	1104.5
155°	1143.9	1143.7	1143.4	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3
157.5°	1177.1	1176.9	1176.7	1176.8	1177.3	1177.8	1178.3	1178.8	1178.3	1177.8	1177.3
160°	1197.3	1197.1	1196.9	1197.1	1197.7	1198.4	1199.1	1199.7	1199.1	1198.4	1197.7
162.5°	1216.2	1216.2	1216.1	1216.4	1216.8	1217.3	1217.8	1218.3	1217.8	1217.3	1216.8
165°	1241.6	1241.4	1241.2	1241.3	1241.7	1242.2	1242.6	1243.1	1242.6	1242.2	1241.7
167.5°	1260.0	1260.0	1260.0	1260.5	1261.4	1262.3	1263.1	1264.0	1263.1	1262.3	1261.4
170°	1271.3	1271.3	1271.3	1271.8	1272.7	1273.5	1274.4	1275.4	1274.4	1273.5	1272.7
172.5°	1279.4	1279.4	1279.4	1279.9	1280.7	1281.6	1282.5	1283.4	1282.5	1281.6	1280.7
175°	1288.5	1288.5	1288.5	1288.9	1289.8	1290.7	1291.6	1292.5	1291.6	1290.7	1289.8
177.5°	1293.4	1293.6	1293.8	1294.2	1294.9	1295.8	1296.5	1297.2	1296.5	1295.8	1294.9
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



TEST NUMBER: P333539-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	918.9	914.5	911.5	905.3	901.0	899.2	895.9	894.9	898.3	895.9	895.5
5°	891.5	880.4	871.6	862.7	853.1	847.1	837.8	836.3	833.9	830.5	829.8
7.5°	858.8	844.2	832.9	818.3	805.7	795.5	784.0	778.5	775.5	771.0	765.1
10°	836.7	819.4	804.1	789.5	773.8	761.1	749.6	740.7	735.0	729.6	727.3
12.5°	814.9	797.3	777.7	760.0	742.5	728.2	715.5	709.7	703.4	697.1	691.8
15°	781.0	757.6	736.2	715.8	700.8	685.5	673.3	664.8	655.2	652.6	642.2
17.5°	745.2	722.2	697.0	675.6	658.3	641.4	627.9	618.3	611.1	601.2	596.4
20°	722.8	695.5	671.0	651.4	632.2	612.3	598.4	590.4	583.5	575.4	571.6
22.5°	698.8	672.2	647.0	624.1	604.6	584.9	575.1	566.7	559.0	551.5	546.4
25°	663.7	636.8	610.4	586.5	566.2	552.0	540.5	530.9	526.7	519.4	514.0
27.5°	628.9	600.4	572.9	549.2	533.2	519.2	509.8	502.2	494.5	488.2	483.5
30°	606.5	577.3	547.4	528.7	511.7	498.4	488.0	480.7	474.9	469.2	465.7
32.5°	584.1	554.0	527.5	507.2	491.2	479.6	469.0	461.9	455.9	449.5	445.5
35°	548.2	517.5	496.0	476.1	460.3	449.6	442.3	432.3	427.4	422.7	418.5
37.5°	514.8	486.3	463.0	445.6	431.9	421.2	411.8	406.4	400.3	396.2	392.6
40°	490.3	464.1	443.1	424.6	414.7	402.8	393.9	387.1	382.4	377.1	373.2
42.5°	468.2	443.9	423.4	406.9	394.5	384.4	375.9	369.0	363.1	359.3	356.1
45°	437.0	412.7	392.8	377.5	366.0	356.4	347.6	344.1	336.4	331.8	330.3
47.5°	404.7	383.0	363.8	349.6	337.8	328.7	320.4	313.5	309.2	304.7	302.3
50°	382.8	362.1	344.1	330.3	318.8	308.8	301.1	296.5	290.7	286.6	283.5
52.5°	361.0	341.8	323.9	310.6	300.6	290.7	282.2	277.5	272.1	269.3	267.2
55°	329.9	309.6	294.3	281.1	270.8	261.7	253.6	248.9	245.5	242.9	242.1
57.5°	294.6	278.5	264.3	252.5	241.8	233.1	226.0	221.7	218.6	218.2	215.9
60°	271.6	257.0	244.0	231.4	222.1	214.1	207.9	203.0	199.9	199.4	198.7
62.5°	248.6	234.6	222.5	211.4	203.1	195.3	189.6	183.9	182.1	180.2	178.4
65°	214.4	201.8	191.8	183.0	174.2	167.6	161.9	158.4	154.2	151.9	147.7
67.5°	180.9	171.1	161.5	154.1	147.1	141.0	136.2	131.1	128.3	126.3	123.3
70°	158.9	151.2	141.6	133.5	128.2	123.1	119.3	113.5	111.6	110.1	108.6
72.5°	137.9	131.2	123.1	116.6	111.3	106.5	102.1	99.5	97.6	95.9	95.0
75°	108.6	102.0	95.1	90.5	86.7	82.9	80.6	78.7	77.9	77.5	75.9
77.5°	79.7	76.2	70.7	67.1	64.5	63.0	60.9	59.9	59.9	58.2	57.7
80°	61.0	59.1	54.4	52.9	51.0	49.5	48.4	46.5	44.5	43.7	42.6
82.5°	45.3	43.4	41.6	39.1	37.6	36.6	35.4	34.7	34.9	33.9	33.3
85°	24.1	22.2	21.5	21.1	20.3	21.1	20.7	20.3	20.0	19.6	20.0
87.5°	9.3	9.6	9.7	10.6	10.0	10.6	10.8	10.7	10.9	11.2	11.0
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°	29.4	31.0	32.9	34.8	36.8	38.7	40.2	41.7	43.1	44.6	45.6
95°	67.4	68.7	70.9	73.1	75.4	77.7	79.2	80.8	82.3	83.9	84.9
97.5°	109.6	111.3	114.3	117.4	120.5	123.6	125.1	126.5	128.1	129.6	130.4
100°	141.2	142.6	145.5	148.5	151.4	154.2	156.2	158.2	160.3	162.3	163.6
102.5°	179.5	180.6	182.1	183.6	185.0	186.5	188.7	190.9	193.1	195.3	196.7
105°	234.4	235.6	236.9	238.2	239.6	241.0	242.3	243.7	245.0	246.3	247.3
107.5°	294.1	295.1	296.1	297.2	298.2	299.2	299.9	300.5	301.2	301.9	302.3
110°	335.2	336.1	336.7	337.4	338.1	338.7	339.4	340.1	340.7	341.4	341.6



TEST NUMBER: P333539-840

CATALOG NUMBER: S125RDIP-S610D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.0	375.7	376.6	377.4	378.2	379.1	379.4	379.7	380.0	380.3	380.3
115°	438.1	438.8	439.2	439.7	440.1	440.6	440.4	440.1	439.9	439.7	439.5
117.5°	498.3	498.7	499.1	499.5	499.9	500.3	500.5	500.6	500.8	501.0	500.6
120°	539.9	540.5	540.7	541.0	541.2	541.4	541.4	541.4	541.4	541.4	541.0
122.5°	579.0	579.4	580.0	580.6	581.2	581.7	581.6	581.4	581.2	581.0	580.6
125°	639.5	640.4	640.6	640.8	641.0	641.3	640.8	640.4	639.9	639.4	639.0
127.5°	697.7	698.2	698.5	698.7	699.0	699.3	699.0	698.8	698.6	698.4	698.0
130°	735.4	736.2	736.7	737.1	737.5	738.0	737.8	737.5	737.3	737.1	736.8
132.5°	774.6	775.5	775.4	775.3	775.2	775.1	774.9	774.7	774.5	774.2	773.8
135°	830.1	830.9	831.1	831.3	831.5	831.7	831.7	831.7	831.7	831.7	831.3
137.5°	883.9	884.8	885.3	885.9	886.4	886.8	887.1	887.4	887.6	887.9	887.5
140°	917.9	918.8	919.5	920.2	920.8	921.5	921.9	922.4	922.8	923.3	922.9
142.5°	951.9	952.8	953.6	954.5	955.3	956.1	956.4	956.7	956.9	957.3	956.8
145°	1002.7	1003.5	1004.2	1004.8	1005.5	1006.2	1006.2	1006.2	1006.2	1006.2	1005.8
147.5°	1048.2	1048.8	1049.4	1049.9	1050.4	1051.0	1051.5	1052.0	1052.6	1053.1	1052.6
150°	1076.9	1077.2	1078.1	1079.0	1079.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.6
152.5°	1104.8	1105.2	1105.5	1105.9	1106.2	1106.6	1107.1	1107.7	1108.2	1108.7	1108.6
155°	1143.3	1143.4	1143.7	1143.9	1144.1	1144.3	1145.2	1146.1	1147.0	1147.9	1147.8
157.5°	1176.8	1176.7	1176.9	1177.1	1177.4	1177.6	1178.5	1179.3	1180.2	1181.1	1180.8
160°	1197.1	1196.9	1197.1	1197.3	1197.5	1197.7	1198.6	1199.5	1200.4	1201.3	1201.2
162.5°	1216.4	1216.1	1216.2	1216.2	1216.3	1216.3	1217.4	1218.4	1219.5	1220.6	1220.5
165°	1241.3	1241.2	1241.4	1241.6	1241.8	1242.1	1243.0	1243.9	1244.8	1245.7	1245.5
167.5°	1260.5	1260.0	1260.0	1260.0	1260.0	1260.0	1261.4	1262.7	1264.0	1265.5	1265.4
170°	1271.8	1271.3	1271.3	1271.3	1271.3	1271.3	1272.7	1274.0	1275.4	1276.7	1276.6
172.5°	1279.9	1279.4	1279.4	1279.4	1279.4	1279.4	1280.7	1282.1	1283.4	1284.8	1284.8
175°	1288.9	1288.5	1288.5	1288.5	1288.5	1288.5	1289.8	1291.2	1292.5	1293.8	1293.7
177.5°	1294.2	1293.8	1293.6	1293.4	1293.3	1293.1	1294.2	1295.3	1296.4	1297.4	1297.4
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



TEST NUMBER: P333539-840

CATALOG NUMBER: S125RDIP-S610D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.2	891.8	890.9	892.1	890.9	891.8	895.2	895.5	895.9	898.3	894.9
5°	826.0	822.1	824.0	823.2	824.0	822.1	826.0	829.8	830.5	833.9	836.3
7.5°	765.0	760.2	755.2	756.8	755.2	760.2	765.0	765.1	771.0	775.5	778.5
10°	722.4	718.5	716.2	718.1	716.2	718.5	722.4	727.3	729.6	735.0	740.7
12.5°	686.4	684.2	682.2	681.4	682.2	684.2	686.4	691.8	697.1	703.4	709.7
15°	637.5	633.0	631.1	626.1	631.1	633.0	637.5	642.2	652.6	655.2	664.8
17.5°	592.5	591.0	586.0	583.9	586.0	591.0	592.5	596.4	601.2	611.1	618.3
20°	565.8	564.3	559.4	562.4	559.4	564.3	565.8	571.6	575.4	583.5	590.4
22.5°	543.7	540.4	538.8	537.9	538.8	540.4	543.7	546.4	551.5	559.0	566.7
25°	512.5	507.6	505.6	503.3	505.6	507.6	512.5	514.0	519.4	526.7	530.9
27.5°	481.4	478.7	476.2	475.5	476.2	478.7	481.4	483.5	488.2	494.5	502.2
30°	461.1	458.4	456.5	456.5	456.5	458.4	461.1	465.7	469.2	474.9	480.7
32.5°	443.0	440.9	439.0	438.7	439.0	440.9	443.0	445.5	449.5	455.9	461.9
35°	416.6	413.5	412.7	410.5	412.7	413.5	416.6	418.5	422.7	427.4	432.3
37.5°	389.2	386.7	386.6	386.4	386.6	386.7	389.2	392.6	396.2	400.3	406.4
40°	371.7	369.8	369.4	366.8	369.4	369.8	371.7	373.2	377.1	382.4	387.1
42.5°	353.0	352.0	350.7	349.5	350.7	352.0	353.0	356.1	359.3	363.1	369.0
45°	327.6	325.0	325.0	323.1	325.0	325.0	327.6	330.3	331.8	336.4	344.1
47.5°	301.3	299.3	299.5	297.5	299.5	299.3	301.3	302.3	304.7	309.2	313.5
50°	283.9	282.8	282.4	281.6	282.4	282.8	283.9	283.5	286.6	290.7	296.5
52.5°	266.4	265.9	267.3	265.6	267.3	265.9	266.4	267.2	269.3	272.1	277.5
55°	242.9	241.7	244.0	241.7	244.0	241.7	242.9	242.1	242.9	245.5	248.9
57.5°	215.7	214.7	216.7	215.6	216.7	214.7	215.7	215.9	218.2	218.6	221.7
60°	197.9	195.6	196.8	197.2	196.8	195.6	197.9	198.7	199.4	199.9	203.0
62.5°	176.7	175.4	176.2	174.5	176.2	175.4	176.7	178.4	180.2	182.1	183.9
65°	146.9	145.8	144.2	143.5	144.2	145.8	146.9	147.7	151.9	154.2	158.4
67.5°	123.4	120.7	120.6	121.2	120.6	120.7	123.4	123.3	126.3	128.3	131.1
70°	106.2	106.2	105.8	105.8	105.8	106.2	106.2	108.6	110.1	111.6	113.5
72.5°	94.3	94.0	93.3	93.0	93.3	94.0	94.3	95.0	95.9	97.6	99.5
75°	75.9	76.3	75.5	75.2	75.5	76.3	75.9	75.9	77.5	77.9	78.7
77.5°	56.0	54.4	55.3	54.4	55.3	54.4	56.0	57.7	58.2	59.9	59.9
80°	42.6	42.2	43.3	42.2	43.3	42.2	42.6	42.6	43.7	44.5	46.5
82.5°	33.7	33.3	33.8	33.0	33.8	33.3	33.7	33.3	33.9	34.9	34.7
85°	20.3	20.0	19.6	20.0	19.6	20.0	20.3	20.0	19.6	20.0	20.3
87.5°	11.5	11.3	11.4	11.6	11.4	11.3	11.5	11.0	11.2	10.9	10.7
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°	46.2	46.6	47.1	47.6	47.1	46.6	46.2	45.6	44.6	43.1	41.7
95°	85.3	85.8	86.2	86.7	86.2	85.8	85.3	84.9	83.9	82.3	80.8
97.5°	130.7	131.0	131.2	131.5	131.2	131.0	130.7	130.4	129.6	128.1	126.5
100°	164.0	164.4	164.9	165.3	164.9	164.4	164.0	163.6	162.3	160.3	158.2
102.5°	197.3	197.9	198.6	199.2	198.6	197.9	197.3	196.7	195.3	193.1	190.9
105°	248.0	248.7	249.3	250.0	249.3	248.7	248.0	247.3	246.3	245.0	243.7
107.5°	302.2	302.2	302.2	302.1	302.2	302.2	302.2	302.3	301.9	301.2	300.5
110°	341.4	341.2	341.0	340.7	341.0	341.2	341.4	341.6	341.4	340.7	340.1



TEST NUMBER: P333539-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	379.9	379.5	379.1	378.7	379.1	379.5	379.9	380.3	380.3	380.0	379.7
115°	439.2	439.0	438.8	438.6	438.8	439.0	439.2	439.5	439.7	439.9	440.1
117.5°	499.7	498.9	498.0	497.1	498.0	498.9	499.7	500.6	501.0	500.8	500.6
120°	540.1	539.2	538.3	537.3	538.3	539.2	540.1	541.0	541.4	541.4	541.4
122.5°	579.9	579.2	578.5	577.7	578.5	579.2	579.9	580.6	581.0	581.2	581.4
125°	638.8	638.6	638.4	638.2	638.4	638.6	638.8	639.0	639.4	639.9	640.4
127.5°	697.6	697.1	696.7	696.3	696.7	697.1	697.6	698.0	698.4	698.6	698.8
130°	736.3	735.9	735.4	735.0	735.4	735.9	736.3	736.8	737.1	737.3	737.5
132.5°	773.2	772.5	771.9	771.2	771.9	772.5	773.2	773.8	774.2	774.5	774.7
135°	830.4	829.5	828.6	827.7	828.6	829.5	830.4	831.3	831.7	831.7	831.7
137.5°	886.4	885.2	884.1	883.0	884.1	885.2	886.4	887.5	887.9	887.6	887.4
140°	921.8	920.7	919.6	918.5	919.6	920.7	921.8	922.9	923.3	922.8	922.4
142.5°	955.7	954.6	953.5	952.3	953.5	954.6	955.7	956.8	957.3	956.9	956.7
145°	1005.2	1004.5	1003.8	1003.2	1003.8	1004.5	1005.2	1005.8	1006.2	1006.2	1006.2
147.5°	1051.1	1049.6	1048.0	1046.5	1048.0	1049.6	1051.1	1052.6	1053.1	1052.6	1052.0
150°	1080.2	1079.6	1079.2	1078.7	1079.2	1079.6	1080.2	1080.6	1080.8	1080.8	1080.8
152.5°	1107.8	1107.0	1106.2	1105.4	1106.2	1107.0	1107.8	1108.6	1108.7	1108.2	1107.7
155°	1146.7	1145.5	1144.4	1143.3	1144.4	1145.5	1146.7	1147.8	1147.9	1147.0	1146.1
157.5°	1179.4	1177.9	1176.4	1175.0	1176.4	1177.9	1179.4	1180.8	1181.1	1180.2	1179.3
160°	1200.1	1199.0	1197.9	1196.7	1197.9	1199.0	1200.1	1201.2	1201.3	1200.4	1199.5
162.5°	1219.2	1217.9	1216.6	1215.3	1216.6	1217.9	1219.2	1220.5	1220.6	1219.5	1218.4
165°	1244.2	1242.7	1241.4	1240.1	1241.4	1242.7	1244.2	1245.5	1245.7	1244.8	1243.9
167.5°	1264.0	1262.6	1261.2	1259.8	1261.2	1262.6	1264.0	1265.4	1265.5	1264.0	1262.7
170°	1275.1	1273.4	1271.9	1270.3	1271.9	1273.4	1275.1	1276.6	1276.7	1275.4	1274.0
172.5°	1283.3	1282.0	1280.6	1279.2	1280.6	1282.0	1283.3	1284.8	1284.8	1283.4	1282.1
175°	1292.2	1290.6	1289.0	1287.5	1289.0	1290.6	1292.2	1293.7	1293.8	1292.5	1291.2
177.5°	1296.1	1294.8	1293.5	1292.3	1293.5	1294.8	1296.1	1297.4	1297.4	1296.4	1295.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



TEST NUMBER: P333539-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.9	899.2	901.0	905.3	911.5	914.5	918.9	921.9	926.2	931.4	935.7
5°	837.8	847.1	853.1	862.7	871.6	880.4	891.5	899.6	910.3	922.6	932.2
7.5°	784.0	795.5	805.7	818.3	832.9	844.2	858.8	873.5	890.4	907.8	924.2
10°	749.6	761.1	773.8	789.5	804.1	819.4	836.7	853.9	875.0	894.6	916.9
12.5°	715.5	728.2	742.5	760.0	777.7	797.3	814.9	834.2	857.0	882.3	906.2
15°	673.3	685.5	700.8	715.8	736.2	757.6	781.0	806.8	832.0	860.5	890.0
17.5°	627.9	641.4	658.3	675.6	697.0	722.2	745.2	773.3	801.7	834.9	869.6
20°	598.4	612.3	632.2	651.4	671.0	695.5	722.8	751.5	781.8	816.7	855.5
22.5°	575.1	584.9	604.6	624.1	647.0	672.2	698.8	728.8	761.8	798.0	838.6
25°	540.5	552.0	566.2	586.5	610.4	636.8	663.7	695.5	731.5	768.4	811.7
27.5°	509.8	519.2	533.2	549.2	572.9	600.4	628.9	662.2	699.1	736.6	782.2
30°	488.0	498.4	511.7	528.7	547.4	577.3	606.5	639.1	676.7	715.5	762.2
32.5°	469.0	479.6	491.2	507.2	527.5	554.0	584.1	616.1	654.3	694.3	739.8
35°	442.3	449.6	460.3	476.1	496.0	517.5	548.2	582.0	619.1	660.6	706.2
37.5°	411.8	421.2	431.9	445.6	463.0	486.3	514.8	549.0	583.5	623.2	664.8
40°	393.9	402.8	414.7	424.6	443.1	464.1	490.3	525.9	560.5	597.6	635.6
42.5°	375.9	384.4	394.5	406.9	423.4	443.9	468.2	501.4	538.4	573.4	605.3
45°	347.6	356.4	366.0	377.5	392.8	412.7	437.0	467.3	499.5	531.7	555.8
47.5°	320.4	328.7	337.8	349.6	363.8	383.0	404.7	431.4	462.7	490.1	507.4
50°	301.1	308.8	318.8	330.3	344.1	362.1	382.8	409.3	435.5	460.3	476.1
52.5°	282.2	290.7	300.6	310.6	323.9	341.8	361.0	383.8	408.7	429.0	442.0
55°	253.6	261.7	270.8	281.1	294.3	309.6	329.9	347.9	367.5	384.8	392.4
57.5°	226.0	233.1	241.8	252.5	264.3	278.5	294.6	311.9	325.8	338.0	346.7
60°	207.9	214.1	222.1	231.4	244.0	257.0	271.6	287.7	298.4	308.8	316.9
62.5°	189.6	195.3	203.1	211.4	222.5	234.6	248.6	261.7	272.1	279.0	288.3
65°	161.9	167.6	174.2	183.0	191.8	201.8	214.4	224.0	231.4	239.0	244.8
67.5°	136.2	141.0	147.1	154.1	161.5	171.1	180.9	188.8	193.9	198.4	205.4
70°	119.3	123.1	128.2	133.5	141.6	151.2	158.9	164.9	168.4	173.0	181.5
72.5°	102.1	106.5	111.3	116.6	123.1	131.2	137.9	144.1	146.3	150.0	155.3
75°	80.6	82.9	86.7	90.5	95.1	102.0	108.6	110.1	112.0	115.1	119.0
77.5°	60.9	63.0	64.5	67.1	70.7	76.2	79.7	82.0	82.5	83.6	87.4
80°	48.4	49.5	51.0	52.9	54.4	59.1	61.0	63.3	64.0	65.2	67.2
82.5°	35.4	36.6	37.6	39.1	41.6	43.4	45.3	47.7	47.8	48.7	49.0
85°	20.7	21.1	20.3	21.1	21.5	22.2	24.1	26.1	25.8	25.3	26.5
87.5°	10.8	10.6	10.0	10.6	9.7	9.6	9.3	9.3	9.5	9.8	10.0
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°	40.2	38.7	36.8	34.8	32.9	31.0	29.4	28.2	26.9	25.7	24.4
95°	79.2	77.7	75.4	73.1	70.9	68.7	67.4	66.9	66.4	65.9	65.5
97.5°	125.1	123.6	120.5	117.4	114.3	111.3	109.6	109.5	109.3	109.1	108.9
100°	156.2	154.2	151.4	148.5	145.5	142.6	141.2	141.2	141.2	141.2	141.2
102.5°	188.7	186.5	185.0	183.6	182.1	180.6	179.5	178.5	177.6	176.7	175.8
105°	242.3	241.0	239.6	238.2	236.9	235.6	234.4	233.3	232.1	231.0	229.8
107.5°	299.9	299.2	298.2	297.2	296.1	295.1	294.1	293.0	291.8	290.6	289.5
110°	339.4	338.7	338.1	337.4	336.7	336.1	335.2	334.1	333.0	331.8	330.7



TEST NUMBER: P333539-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.4	379.1	378.2	377.4	376.6	375.7	375.0	374.4	373.8	373.2	372.6
115°	440.4	440.6	440.1	439.7	439.2	438.8	438.1	437.3	436.4	435.5	434.5
117.5°	500.5	500.3	499.9	499.5	499.1	498.7	498.3	497.9	497.5	497.1	496.7
120°	541.4	541.4	541.2	541.0	540.7	540.5	539.9	538.8	537.6	536.4	535.3
122.5°	581.6	581.7	581.2	580.6	580.0	579.4	579.0	578.6	578.1	577.7	577.3
125°	640.8	641.3	641.0	640.8	640.6	640.4	639.5	638.2	636.8	635.5	634.2
127.5°	699.0	699.3	699.0	698.7	698.5	698.2	697.7	696.9	696.2	695.4	694.7
130°	737.8	738.0	737.5	737.1	736.7	736.2	735.4	734.3	733.2	732.1	730.9
132.5°	774.9	775.1	775.2	775.3	775.4	775.5	774.6	772.7	770.9	769.1	767.2
135°	831.7	831.7	831.5	831.3	831.1	830.9	830.1	828.7	827.4	826.1	824.8
137.5°	887.1	886.8	886.4	885.9	885.3	884.8	883.9	882.6	881.3	880.0	878.8
140°	921.9	921.5	920.8	920.2	919.5	918.8	917.9	916.8	915.6	914.5	913.4
142.5°	956.4	956.1	955.3	954.5	953.6	952.8	951.9	950.9	950.0	949.1	948.1
145°	1006.2	1006.2	1005.5	1004.8	1004.2	1003.5	1002.7	1001.8	1000.9	1000.1	999.2
147.5°	1051.5	1051.0	1050.4	1049.9	1049.4	1048.8	1048.2	1047.8	1047.3	1046.8	1046.3
150°	1080.8	1080.8	1079.8	1079.0	1078.1	1077.2	1076.9	1077.1	1077.3	1077.5	1077.7
152.5°	1107.1	1106.6	1106.2	1105.9	1105.5	1105.2	1104.8	1104.5	1104.2	1103.9	1103.6
155°	1145.2	1144.3	1144.1	1143.9	1143.7	1143.4	1143.3	1143.3	1143.3	1143.3	1143.3
157.5°	1178.5	1177.6	1177.4	1177.1	1176.9	1176.7	1176.8	1177.3	1177.8	1178.3	1178.8
160°	1198.6	1197.7	1197.5	1197.3	1197.1	1196.9	1197.1	1197.7	1198.4	1199.1	1199.7
162.5°	1217.4	1216.3	1216.3	1216.2	1216.2	1216.1	1216.4	1216.8	1217.3	1217.8	1218.3
165°	1243.0	1242.1	1241.8	1241.6	1241.4	1241.2	1241.3	1241.7	1242.2	1242.6	1243.1
167.5°	1261.4	1260.0	1260.0	1260.0	1260.0	1260.0	1260.5	1261.4	1262.3	1263.1	1264.0
170°	1272.7	1271.3	1271.3	1271.3	1271.3	1271.3	1271.8	1272.7	1273.5	1274.4	1275.4
172.5°	1280.7	1279.4	1279.4	1279.4	1279.4	1279.4	1279.9	1280.7	1281.6	1282.5	1283.4
175°	1289.8	1288.5	1288.5	1288.5	1288.5	1288.5	1288.9	1289.8	1290.7	1291.6	1292.5
177.5°	1294.2	1293.1	1293.3	1293.4	1293.6	1293.8	1294.2	1294.9	1295.8	1296.5	1297.2
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



TEST NUMBER: P333539-840

CATALOG NUMBER: S125RDIP-S610D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	939.1	941.9	945.8	950.5	954.1	958.2	960.3	960.3	962.1	966.1	971.3
5°	941.8	951.8	961.4	973.6	983.2	994.3	1002.8	1010.9	1018.1	1027.3	1036.9
7.5°	941.0	957.6	974.8	994.2	1015.5	1032.5	1049.9	1063.6	1077.0	1094.7	1108.6
10°	938.0	959.5	982.8	1007.3	1034.2	1057.6	1078.7	1097.9	1116.3	1135.5	1152.8
12.5°	932.4	959.8	988.4	1017.8	1051.8	1078.5	1105.7	1126.2	1147.6	1168.6	1189.9
15°	924.1	956.3	990.9	1032.0	1073.4	1103.3	1130.1	1156.6	1176.6	1200.3	1220.7
17.5°	907.1	948.6	992.0	1036.8	1076.6	1111.5	1139.5	1164.8	1186.0	1212.1	1239.8
20°	896.9	941.8	987.0	1035.0	1073.0	1108.6	1135.9	1162.0	1188.4	1222.6	1256.4
22.5°	882.8	930.7	978.8	1024.3	1064.4	1098.8	1127.0	1158.9	1193.7	1232.4	1273.2
25°	860.5	910.0	957.6	1000.9	1040.0	1075.3	1113.7	1156.6	1198.8	1249.8	1308.5
27.5°	832.1	879.9	922.3	968.1	1007.0	1051.9	1099.7	1146.3	1207.2	1277.4	1350.7
30°	810.9	856.3	896.6	939.9	984.0	1033.5	1087.2	1142.1	1214.6	1297.0	1384.1
32.5°	786.4	827.4	867.4	909.2	960.1	1014.4	1071.6	1138.6	1225.3	1319.1	1409.3
35°	743.9	780.6	819.4	865.9	919.9	979.0	1051.9	1133.6	1238.3	1339.2	1420.2
37.5°	699.2	728.2	767.2	816.1	875.0	943.4	1026.1	1125.4	1232.9	1323.5	1358.0
40°	664.8	692.1	733.1	784.5	842.8	917.7	1010.5	1112.5	1220.7	1283.5	1280.9
42.5°	630.8	658.3	697.8	749.5	810.3	894.0	989.6	1095.6	1186.9	1210.8	1160.9
45°	578.5	604.2	643.0	695.1	760.3	848.2	948.7	1050.4	1108.6	1070.0	971.0
47.5°	525.2	550.2	586.1	637.2	708.4	800.4	895.4	978.9	987.0	903.8	785.1
50°	490.3	513.6	547.9	602.3	671.4	761.1	852.8	918.4	898.1	796.4	674.0
52.5°	456.2	478.7	510.7	562.1	632.7	720.6	802.4	853.9	806.9	698.8	588.8
55°	405.9	427.4	459.6	506.8	570.8	651.4	723.2	741.9	672.9	563.9	474.9
57.5°	358.1	373.8	405.7	447.4	509.2	580.2	631.6	628.2	552.0	453.9	390.1
60°	326.5	340.6	370.9	409.3	468.0	531.7	567.7	552.4	475.3	394.4	333.0
62.5°	297.0	310.2	335.7	370.9	421.4	476.8	503.0	481.8	409.0	337.9	289.1
65°	252.5	262.1	282.4	315.0	354.5	392.8	416.3	385.2	320.7	267.0	230.1
67.5°	210.8	219.0	237.1	260.5	287.8	314.3	323.8	294.6	244.5	208.3	182.4
70°	183.8	191.5	203.7	225.6	243.6	262.4	267.0	241.0	199.1	171.5	155.3
72.5°	157.9	165.0	175.8	191.2	203.7	214.5	216.7	192.4	160.5	141.4	129.0
75°	120.5	126.6	133.5	139.3	147.3	149.3	148.5	129.7	112.4	99.8	92.8
77.5°	88.6	91.1	95.3	97.6	98.0	97.9	93.9	82.0	73.1	67.9	65.0
80°	68.3	70.2	71.4	72.1	72.5	68.7	64.4	57.2	54.1	51.0	47.6
82.5°	49.6	50.9	52.0	52.2	50.1	46.9	42.9	39.4	37.2	35.6	34.3
85°	26.9	27.3	26.9	24.9	22.2	21.1	20.3	19.6	19.2	18.8	18.8
87.5°	10.1	9.5	8.4	9.0	9.3	9.4	9.7	9.7	9.7	9.9	10.1
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°	25.7	26.9	28.2	29.4	31.0	32.9	34.8	36.8	38.7	40.2	41.7
95°	65.9	66.4	66.9	67.4	68.7	70.9	73.1	75.4	77.7	79.2	80.8
97.5°	109.1	109.3	109.5	109.6	111.3	114.3	117.4	120.5	123.6	125.1	126.5
100°	141.2	141.2	141.2	141.2	142.6	145.5	148.5	151.4	154.2	156.2	158.2
102.5°	176.7	177.6	178.5	179.5	180.6	182.1	183.6	185.0	186.5	188.7	190.9
105°	231.0	232.1	233.3	234.4	235.6	236.9	238.2	239.6	241.0	242.3	243.7
107.5°	290.6	291.8	293.0	294.1	295.1	296.1	297.2	298.2	299.2	299.9	300.5
110°	331.8	333.0	334.1	335.2	336.1	336.7	337.4	338.1	338.7	339.4	340.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.2	373.8	374.4	375.0	375.7	376.6	377.4	378.2	379.1	379.4	379.7
115°	435.5	436.4	437.3	438.1	438.8	439.2	439.7	440.1	440.6	440.4	440.1
117.5°	497.1	497.5	497.9	498.3	498.7	499.1	499.5	499.9	500.3	500.5	500.6
120°	536.4	537.6	538.8	539.9	540.5	540.7	541.0	541.2	541.4	541.4	541.4
122.5°	577.7	578.1	578.6	579.0	579.4	580.0	580.6	581.2	581.7	581.6	581.4
125°	635.5	636.8	638.2	639.5	640.4	640.6	640.8	641.0	641.3	640.8	640.4
127.5°	695.4	696.2	696.9	697.7	698.2	698.5	698.7	699.0	699.3	699.0	698.8
130°	732.1	733.2	734.3	735.4	736.2	736.7	737.1	737.5	738.0	737.8	737.5
132.5°	769.1	770.9	772.7	774.6	775.5	775.4	775.3	775.2	775.1	774.9	774.7
135°	826.1	827.4	828.7	830.1	830.9	831.1	831.3	831.5	831.7	831.7	831.7
137.5°	880.0	881.3	882.6	883.9	884.8	885.3	885.9	886.4	886.8	887.1	887.4
140°	914.5	915.6	916.8	917.9	918.8	919.5	920.2	920.8	921.5	921.9	922.4
142.5°	949.1	950.0	950.9	951.9	952.8	953.6	954.5	955.3	956.1	956.4	956.7
145°	1000.1	1000.9	1001.8	1002.7	1003.5	1004.2	1004.8	1005.5	1006.2	1006.2	1006.2
147.5°	1046.8	1047.3	1047.8	1048.2	1048.8	1049.4	1049.9	1050.4	1051.0	1051.5	1052.0
150°	1077.5	1077.3	1077.1	1076.9	1077.2	1078.1	1079.0	1079.8	1080.8	1080.8	1080.8
152.5°	1103.9	1104.2	1104.5	1104.8	1105.2	1105.5	1105.9	1106.2	1106.6	1107.1	1107.7
155°	1143.3	1143.3	1143.3	1143.3	1143.4	1143.7	1143.9	1144.1	1144.3	1145.2	1146.1
157.5°	1178.3	1177.8	1177.3	1176.8	1176.7	1176.9	1177.1	1177.4	1177.6	1178.5	1179.3
160°	1199.1	1198.4	1197.7	1197.1	1196.9	1197.1	1197.3	1197.5	1197.7	1198.6	1199.5
162.5°	1217.8	1217.3	1216.8	1216.4	1216.1	1216.2	1216.2	1216.3	1216.3	1217.4	1218.4
165°	1242.6	1242.2	1241.7	1241.3	1241.2	1241.4	1241.6	1241.8	1242.1	1243.0	1243.9
167.5°	1263.1	1262.3	1261.4	1260.5	1260.0	1260.0	1260.0	1260.0	1260.0	1261.4	1262.7
170°	1274.4	1273.5	1272.7	1271.8	1271.3	1271.3	1271.3	1271.3	1271.3	1272.7	1274.0
172.5°	1282.5	1281.6	1280.7	1279.9	1279.4	1279.4	1279.4	1279.4	1279.4	1280.7	1282.1
175°	1291.6	1290.7	1289.8	1288.9	1288.5	1288.5	1288.5	1288.5	1288.5	1289.8	1291.2
177.5°	1296.5	1295.8	1294.9	1294.2	1293.8	1293.6	1293.4	1293.3	1293.1	1294.2	1295.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	975.3	975.3	980.6	980.2	983.6	982.4	983.0
5°	1048.4	1054.9	1060.7	1064.5	1070.3	1071.9	1071.1
7.5°	1124.3	1138.7	1145.8	1155.5	1157.2	1162.3	1161.7
10°	1171.1	1185.4	1196.1	1204.6	1208.8	1214.2	1214.6
12.5°	1208.0	1220.0	1229.6	1237.4	1242.5	1244.3	1245.3
15°	1236.8	1250.2	1261.3	1272.4	1279.0	1283.9	1286.7
17.5°	1265.8	1286.5	1306.2	1321.3	1330.3	1338.0	1337.9
20°	1288.2	1312.0	1336.6	1353.8	1371.4	1379.1	1380.3
22.5°	1312.1	1348.5	1380.1	1406.8	1430.1	1438.0	1441.0
25°	1361.8	1409.4	1458.1	1495.7	1522.6	1538.3	1540.7
27.5°	1421.9	1486.3	1537.5	1572.3	1594.6	1606.2	1608.7
30°	1464.3	1523.7	1569.7	1595.9	1606.2	1607.7	1601.9
32.5°	1483.3	1527.7	1546.1	1544.6	1524.3	1510.8	1505.6
35°	1460.1	1450.9	1405.9	1352.2	1311.2	1285.2	1278.2
37.5°	1328.7	1249.3	1166.7	1085.6	1042.4	1020.5	982.7
40°	1199.2	1086.0	1000.1	931.8	883.1	843.9	834.8
42.5°	1053.1	936.2	850.3	791.8	753.0	726.1	714.5
45°	846.3	745.8	674.8	629.9	600.0	580.4	571.6
47.5°	676.8	599.1	547.3	514.1	491.3	474.3	469.6
50°	583.9	521.7	478.0	450.0	432.7	419.7	414.3
52.5°	507.2	457.0	423.3	400.3	384.0	375.8	371.3
55°	418.5	375.2	351.0	332.5	323.4	316.9	313.8
57.5°	342.2	310.9	293.3	280.5	272.1	267.9	266.4
60°	299.6	275.1	258.9	248.9	243.2	237.8	236.3
62.5°	261.9	242.6	230.0	221.4	215.6	213.3	212.4
65°	211.0	198.3	189.1	183.8	179.2	178.3	178.0
67.5°	167.7	160.3	155.4	149.9	148.2	145.5	145.0
70°	143.5	138.5	132.7	130.8	128.9	126.2	126.6
72.5°	121.7	116.7	112.8	110.3	109.6	108.5	109.4
75°	89.0	87.5	85.9	84.0	83.2	83.2	82.9
77.5°	63.5	62.2	60.5	59.4	59.2	57.6	58.2
80°	46.0	44.1	43.3	43.7	42.6	42.2	42.2
82.5°	34.0	33.3	32.6	32.7	32.4	32.1	32.4
85°	18.8	18.4	18.4	18.1	18.1	17.7	17.7
87.5°	10.6	11.2	10.7	10.6	10.7	11.1	11.6
90°	19.5	20.6	21.5	22.2	22.8	23.5	24.2
92.5°	43.1	44.6	45.6	46.2	46.6	47.1	47.6
95°	82.3	83.9	84.9	85.3	85.8	86.2	86.7
97.5°	128.1	129.6	130.4	130.7	131.0	131.2	131.5
100°	160.3	162.3	163.6	164.0	164.4	164.9	165.3
102.5°	193.1	195.3	196.7	197.3	197.9	198.6	199.2
105°	245.0	246.3	247.3	248.0	248.7	249.3	250.0
107.5°	301.2	301.9	302.3	302.2	302.2	302.2	302.1
110°	340.7	341.4	341.6	341.4	341.2	341.0	340.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	380.0	380.3	380.3	379.9	379.5	379.1	378.7
115°	439.9	439.7	439.5	439.2	439.0	438.8	438.6
117.5°	500.8	501.0	500.6	499.7	498.9	498.0	497.1
120°	541.4	541.4	541.0	540.1	539.2	538.3	537.3
122.5°	581.2	581.0	580.6	579.9	579.2	578.5	577.7
125°	639.9	639.4	639.0	638.8	638.6	638.4	638.2
127.5°	698.6	698.4	698.0	697.6	697.1	696.7	696.3
130°	737.3	737.1	736.8	736.3	735.9	735.4	735.0
132.5°	774.5	774.2	773.8	773.2	772.5	771.9	771.2
135°	831.7	831.7	831.3	830.4	829.5	828.6	827.7
137.5°	887.6	887.9	887.5	886.4	885.2	884.1	883.0
140°	922.8	923.3	922.9	921.8	920.7	919.6	918.5
142.5°	956.9	957.3	956.8	955.7	954.6	953.5	952.3
145°	1006.2	1006.2	1005.8	1005.2	1004.5	1003.8	1003.2
147.5°	1052.6	1053.1	1052.6	1051.1	1049.6	1048.0	1046.5
150°	1080.8	1080.8	1080.6	1080.2	1079.6	1079.2	1078.7
152.5°	1108.2	1108.7	1108.6	1107.8	1107.0	1106.2	1105.4
155°	1147.0	1147.9	1147.8	1146.7	1145.5	1144.4	1143.3
157.5°	1180.2	1181.1	1180.8	1179.4	1177.9	1176.4	1175.0
160°	1200.4	1201.3	1201.2	1200.1	1199.0	1197.9	1196.7
162.5°	1219.5	1220.6	1220.5	1219.2	1217.9	1216.6	1215.3
165°	1244.8	1245.7	1245.5	1244.2	1242.7	1241.4	1240.1
167.5°	1264.0	1265.5	1265.4	1264.0	1262.6	1261.2	1259.8
170°	1275.4	1276.7	1276.6	1275.1	1273.4	1271.9	1270.3
172.5°	1283.4	1284.8	1284.8	1283.3	1282.0	1280.6	1279.2
175°	1292.5	1293.8	1293.7	1292.2	1290.6	1289.0	1287.5
177.5°	1296.4	1297.4	1297.4	1296.1	1294.8	1293.5	1292.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6

(END OF REPORT)