

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: P333233-930

Luminaire Tested: **S125DIP-S850D1035U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333233-930  
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-S850D1035U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5735.4 lumens  
Efficiency: N/A  
Efficacy: 110.3 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: General Diffuse

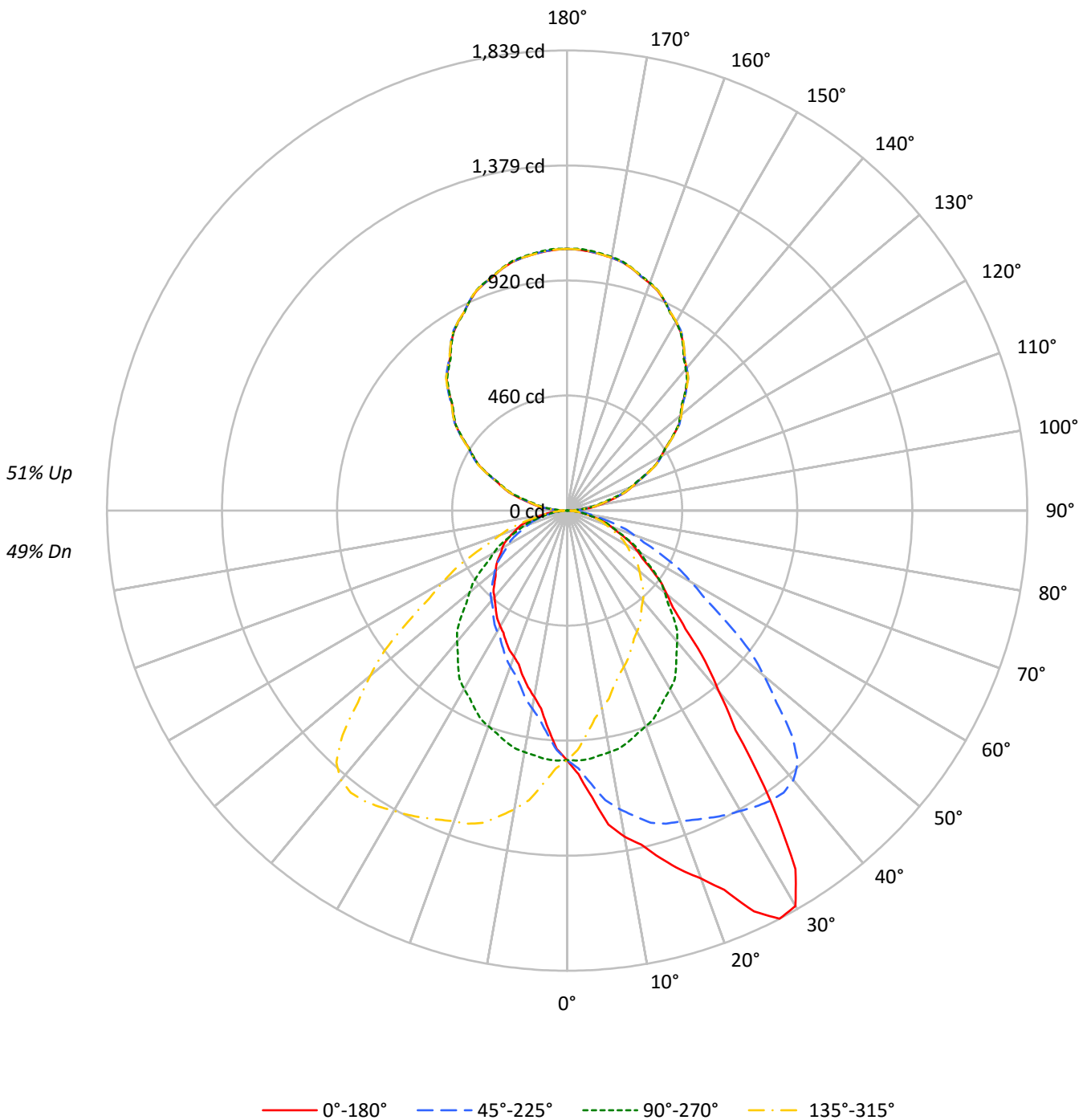
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	50	30	10	50	30	10	0														
RCR																																						
0	107	107	107	107	99	99	99	99	83	83	83	68	68	68	55	55	55	49																				
1	98	94	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47	42																				
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	44	42	40	35																				
3	81	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30																				
4	75	64	56	50	69	59	52	47	50	45	41	42	38	35	35	32	30	26																				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23																				
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20																				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																				
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16																				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14																				
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13																				

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

	0°	90°	180°	270°
0°	6442	6442	6442	6442
5°	7459	6463	5659	6463
10°	8679	6430	4958	6430
15°	9607	6383	4574	6383
20°	10754	6308	4265	6308
25°	12598	6223	4115	6223
30°	13607	6141	3985	6141
35°	11188	5984	3899	5984
40°	7952	5767	3805	5767
45°	6109	5476	3751	5476
50°	5215	5112	3743	5112
55°	4644	4757	3775	4757
60°	4188	4370	3871	4370
65°	3869	3978	3972	3978
70°	3518	3573	4030	3573
75°	3107	3147	3992	3147
80°	2615	2566	3652	2566
85°	2075	1845	2949	1845



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	1.7
10°-20°	285.9	5.0
20°-30°	464.2	8.1
30°-40°	566.3	9.9
40°-50°	515.1	9.0
50°-60°	410.3	7.2
60°-70°	285.8	5.0
70°-80°	152.4	2.7
80°-90°	40.7	0.7
90°-100°	70.1	1.2
100°-110°	206.9	3.6
110°-120°	350.4	6.1
120°-130°	461.1	8.0
130°-140°	516.7	9.0
140°-150°	506.4	8.8
150°-160°	425.3	7.4
160°-170°	282.7	4.9
170°-180°	98.9	1.7
0°-30°	846.1	14.8
0°-40°	1412.4	24.6
0°-60°	2337.8	40.8
0°-90°	2816.8	49.1
90°-120°	627.3	10.9
90°-150°	2111.6	36.8
90°-180°	2919.0	50.9
0°-180°	5735.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1151	997	873	997	1151	116
15°	1437	955	684	955	1437	411
25°	1768	873	578	873	1768	807
35°	1419	759	494	759	1419	868
45°	669	600	411	600	669	535
55°	412	422	335	422	412	371
65°	253	260	260	260	253	251
75°	124	126	160	126	124	134
85°	28	25	40	25	28	33
90°	20	1	20	1	20	12
95°	70	53	70	53	70	71
105°	202	186	202	186	202	214
115°	354	351	354	351	354	350
125°	515	512	515	512	515	460
135°	668	666	668	666	668	515
145°	810	807	810	807	810	506
155°	923	923	923	923	923	425
165°	1001	1004	1001	1004	1001	282
175°	1039	1044	1039	1044	1039	99
180°	1046	1046	1046	1046	1046	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1055.0	1053.6	1052.3	1049.5	1051.6	1045.9	1043.1	1038.4	1032.7	1030.6	1028.3
5°	1150.6	1152.8	1154.9	1146.0	1146.9	1140.9	1127.4	1116.4	1107.5	1096.1	1088.0
7.5°	1265.8	1260.8	1260.4	1254.7	1244.7	1236.8	1222.5	1204.4	1186.9	1166.9	1150.4
10°	1323.4	1323.8	1320.0	1313.2	1302.7	1295.0	1276.4	1258.6	1237.1	1211.6	1193.4
12.5°	1366.8	1368.5	1363.7	1354.5	1349.4	1332.3	1317.7	1296.6	1270.9	1250.6	1222.9
15°	1436.9	1432.2	1428.8	1417.4	1408.5	1390.7	1367.4	1345.4	1317.4	1291.6	1265.8
17.5°	1504.4	1508.1	1501.8	1491.3	1463.8	1443.0	1411.8	1381.6	1346.9	1312.2	1281.4
20°	1564.7	1568.1	1558.4	1540.2	1507.2	1486.4	1445.3	1406.4	1366.1	1321.7	1287.8
22.5°	1639.9	1637.2	1624.1	1596.4	1567.7	1529.4	1484.9	1437.5	1387.2	1336.9	1291.9
25°	1767.9	1750.1	1742.1	1707.8	1670.1	1613.8	1552.8	1483.4	1420.7	1354.3	1296.7
27.5°	1838.8	1833.3	1824.3	1800.4	1760.8	1700.6	1628.7	1544.1	1455.7	1371.8	1296.5
30°	1824.6	1825.5	1826.4	1818.7	1793.3	1748.0	1676.5	1585.4	1480.4	1386.0	1298.9
32.5°	1698.7	1714.1	1728.8	1746.2	1753.3	1744.7	1699.8	1617.6	1509.6	1402.3	1297.5
35°	1419.0	1423.8	1471.5	1519.0	1583.3	1633.3	1666.7	1630.4	1539.3	1416.1	1295.8
37.5°	1106.4	1129.4	1162.5	1216.0	1308.9	1392.0	1499.0	1548.2	1518.8	1420.6	1292.9
40°	943.2	964.4	985.9	1040.6	1118.9	1219.7	1341.2	1444.9	1469.0	1406.4	1282.7
42.5°	817.3	834.0	857.9	899.0	964.5	1053.7	1169.8	1305.4	1388.8	1365.1	1261.4
45°	668.9	679.5	698.1	730.7	778.1	848.0	950.4	1098.6	1227.7	1270.5	1210.8
47.5°	572.5	572.4	586.9	609.4	643.7	703.0	778.8	894.9	1032.8	1134.8	1130.1
50°	519.0	516.9	528.3	547.8	574.9	614.2	686.6	779.3	911.9	1027.4	1059.6
52.5°	473.0	473.2	480.2	494.6	517.3	551.0	605.0	688.6	801.8	920.5	981.0
55°	412.4	410.7	418.7	428.4	444.9	466.9	505.9	569.8	661.7	778.5	857.3
57.5°	356.8	361.4	364.7	371.5	385.1	399.9	432.8	479.6	552.5	652.8	736.1
60°	324.2	329.0	331.5	338.3	349.3	362.0	387.3	425.5	486.8	573.2	655.7
62.5°	295.1	298.8	299.6	305.7	314.7	327.1	347.1	379.0	427.5	503.1	584.0
65°	253.2	253.2	254.9	261.2	265.5	276.5	291.7	315.0	353.9	412.8	481.8
67.5°	212.7	214.7	214.3	217.1	221.0	229.5	240.4	259.7	288.5	331.5	386.7
70°	186.3	187.9	187.5	189.6	193.9	199.4	208.3	226.5	247.2	284.1	331.5
72.5°	162.6	163.2	162.2	164.9	167.5	172.3	182.2	191.9	211.3	242.4	281.4
75°	124.5	125.3	126.1	127.8	130.4	132.9	138.0	147.7	160.5	183.8	208.7
77.5°	93.3	91.7	93.8	93.5	94.9	96.9	101.3	106.5	116.9	131.7	151.0
80°	70.3	70.7	70.7	71.1	73.2	74.5	78.4	82.1	90.2	101.2	114.7
82.5°	51.3	52.4	51.8	52.5	54.3	55.2	57.3	60.4	65.1	73.8	83.6
85°	28.0	25.8	26.7	27.6	27.6	28.0	29.6	30.9	33.4	36.9	40.6
87.5°	12.1	12.6	12.8	12.7	13.0	12.8	14.0	13.8	14.7	15.5	16.6
90°	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8	13.9	13.0	11.7
92.5°	38.4	38.0	37.6	37.3	36.9	36.0	34.8	33.7	32.4	31.2	29.7
95°	70.0	69.6	69.3	68.9	68.6	67.8	66.4	65.2	63.9	62.7	60.9
97.5°	106.2	105.9	105.7	105.5	105.3	104.6	103.4	102.2	101.0	99.8	97.3
100°	133.5	133.1	132.7	132.4	132.1	131.0	129.4	127.8	126.1	124.5	122.2
102.5°	160.9	160.4	159.8	159.3	158.8	157.7	155.9	154.1	152.4	150.6	149.4
105°	201.9	201.3	200.8	200.2	199.7	198.9	197.8	196.7	195.6	194.5	193.5
107.5°	243.9	243.9	243.9	243.9	244.0	243.8	243.2	242.6	242.1	241.6	240.8
110°	275.1	275.3	275.5	275.7	275.8	275.7	275.1	274.6	274.0	273.5	273.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	305.7	306.1	306.4	306.7	307.0	307.0	306.8	306.6	306.3	306.1	305.3
115°	354.1	354.2	354.4	354.6	354.8	355.0	355.1	355.3	355.6	355.7	355.3
117.5°	401.3	402.0	402.8	403.4	404.1	404.5	404.3	404.1	404.1	403.9	403.6
120°	433.8	434.6	435.3	436.0	436.8	437.1	437.1	437.1	437.1	437.1	436.9
122.5°	466.4	467.0	467.6	468.1	468.7	469.0	469.2	469.4	469.5	469.6	469.2
125°	515.3	515.4	515.6	515.8	515.9	516.2	516.6	517.0	517.3	517.7	517.5
127.5°	562.1	562.5	562.8	563.2	563.5	563.9	564.0	564.2	564.4	564.6	564.4
130°	593.4	593.7	594.1	594.4	594.8	595.1	595.3	595.4	595.7	595.8	595.4
132.5°	622.6	623.2	623.7	624.2	624.7	625.0	625.3	625.4	625.6	625.7	625.8
135°	668.2	669.0	669.7	670.4	671.2	671.5	671.5	671.5	671.5	671.5	671.3
137.5°	712.9	713.8	714.7	715.6	716.5	716.8	716.6	716.4	716.2	715.9	715.6
140°	741.5	742.4	743.3	744.2	745.1	745.4	745.0	744.7	744.3	744.0	743.4
142.5°	768.8	769.8	770.7	771.6	772.5	772.8	772.6	772.4	772.2	771.9	771.3
145°	809.9	810.4	811.0	811.5	812.0	812.4	812.4	812.4	812.4	812.4	811.8
147.5°	844.9	846.1	847.3	848.6	849.8	850.2	849.8	849.3	848.9	848.5	848.0
150°	870.9	871.3	871.6	872.0	872.4	872.5	872.5	872.5	872.5	872.5	871.8
152.5°	892.4	893.1	893.7	894.4	895.0	895.1	894.7	894.3	893.8	893.4	893.1
155°	923.0	923.9	924.8	925.8	926.7	926.8	926.0	925.3	924.5	923.8	923.7
157.5°	948.6	949.7	951.0	952.2	953.3	953.6	952.8	952.1	951.5	950.7	950.6
160°	966.1	967.1	968.0	968.9	969.8	969.9	969.1	968.4	967.7	966.9	966.8
162.5°	981.1	982.2	983.3	984.3	985.4	985.5	984.6	983.7	982.8	981.9	981.9
165°	1001.2	1002.2	1003.3	1004.4	1005.5	1005.7	1004.9	1004.2	1003.6	1002.8	1002.6
167.5°	1017.1	1018.2	1019.4	1020.5	1021.6	1021.7	1020.5	1019.5	1018.4	1017.2	1017.2
170°	1025.6	1026.9	1028.1	1029.4	1030.6	1030.7	1029.6	1028.6	1027.5	1026.4	1026.4
172.5°	1032.7	1033.9	1035.0	1036.1	1037.2	1037.2	1036.2	1035.1	1034.0	1032.9	1032.9
175°	1039.4	1040.6	1042.0	1043.3	1044.5	1044.6	1043.5	1042.4	1041.3	1040.2	1040.2
177.5°	1043.3	1044.3	1045.4	1046.4	1047.4	1047.4	1046.6	1045.7	1044.9	1044.0	1044.2
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1026.2	1023.9	1021.1	1016.4	1010.6	1007.5	1002.8	999.8	993.7	988.6	983.2
5°	1078.2	1067.2	1057.1	1044.0	1029.6	1020.3	1009.3	996.9	984.3	971.2	956.8
7.5°	1132.2	1112.7	1091.5	1068.8	1046.5	1026.1	1006.5	987.2	969.3	947.6	929.3
10°	1168.4	1143.9	1117.6	1086.7	1056.7	1030.5	1003.8	980.5	956.8	931.4	908.9
12.5°	1204.7	1172.0	1134.9	1101.0	1064.8	1033.1	1001.8	972.0	942.2	914.1	887.9
15°	1230.3	1201.4	1167.2	1118.9	1078.2	1034.7	993.2	954.6	918.7	887.4	854.4
17.5°	1247.1	1210.0	1173.2	1126.9	1073.6	1024.8	977.9	933.8	893.2	853.5	821.7
20°	1250.2	1212.0	1173.5	1128.2	1073.6	1017.7	970.8	917.8	874.2	833.2	794.2
22.5°	1249.1	1206.0	1164.0	1117.4	1064.1	1012.7	955.9	901.9	854.6	814.2	773.6
25°	1239.6	1193.4	1140.9	1094.0	1041.5	986.8	929.3	873.3	825.1	778.9	738.7
27.5°	1231.6	1171.7	1112.3	1057.5	1006.8	956.8	901.6	844.4	790.9	744.1	706.2
30°	1221.8	1156.2	1089.2	1032.1	980.1	931.4	879.3	823.5	767.5	721.8	681.2
32.5°	1213.0	1136.5	1065.9	1003.7	948.5	901.2	853.2	800.1	745.2	698.8	658.1
35°	1196.0	1107.5	1026.6	956.3	897.5	848.8	808.6	759.0	708.7	663.8	624.8
37.5°	1174.4	1069.3	982.6	908.9	844.4	793.1	755.7	717.6	669.3	626.1	590.8
40°	1157.4	1042.3	950.4	875.1	808.2	754.8	720.2	684.1	643.9	603.7	566.5
42.5°	1136.1	1017.9	917.9	836.8	770.5	718.6	682.2	651.6	616.1	578.6	544.0
45°	1096.9	973.7	865.4	778.1	711.2	660.0	622.3	599.5	572.8	537.2	508.0
47.5°	1039.3	920.6	808.5	718.5	649.5	602.0	566.7	544.8	525.9	499.5	473.0
50°	988.1	881.0	767.5	678.2	609.2	561.3	528.8	508.8	492.8	472.5	450.0
52.5°	930.8	831.2	727.2	639.0	570.6	523.4	491.5	474.0	460.6	446.1	424.0
55°	839.9	755.3	658.8	574.9	511.8	465.7	437.7	422.5	411.5	400.5	386.9
57.5°	739.7	673.5	588.0	511.4	453.3	411.3	385.2	370.4	361.9	356.2	348.2
60°	669.3	612.6	538.9	469.0	412.4	375.1	349.7	338.3	331.1	326.4	320.5
62.5°	604.0	557.4	489.1	425.3	375.8	340.6	317.9	306.8	299.9	297.6	292.7
65°	507.6	471.7	415.3	362.4	320.1	290.0	270.9	260.3	256.1	253.6	254.0
67.5°	412.7	390.8	345.5	300.4	266.6	241.4	226.2	218.0	215.9	212.5	212.5
70°	354.7	338.3	300.2	260.8	230.7	211.2	197.7	189.2	187.1	185.4	185.0
72.5°	303.6	289.2	256.1	224.5	197.5	180.4	169.3	164.2	160.7	159.7	159.6
75°	228.2	220.1	193.9	168.9	150.3	138.4	130.9	126.1	123.6	123.2	123.6
77.5°	162.2	155.2	138.5	120.8	109.1	100.1	93.7	92.0	89.2	89.3	88.8
80°	121.9	117.2	106.7	92.7	83.0	75.3	72.0	69.0	68.2	66.9	68.2
82.5°	88.4	83.4	76.2	67.3	59.3	54.7	51.3	50.4	49.9	49.2	49.6
85°	43.6	44.0	39.8	33.0	29.6	27.1	24.9	24.9	24.5	24.1	24.5
87.5°	17.0	16.1	14.4	13.2	11.2	9.9	9.3	9.3	8.6	8.6	9.1
90°	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8	2.3	3.7	5.1
92.5°	28.1	26.6	25.0	23.7	22.7	21.7	20.7	19.7	20.7	21.7	22.7
95°	59.0	57.2	55.4	54.4	54.0	53.6	53.2	52.9	53.2	53.6	54.0
97.5°	94.8	92.3	89.8	88.5	88.4	88.2	88.1	87.9	88.1	88.2	88.4
100°	119.8	117.5	115.1	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
102.5°	148.2	147.0	145.8	144.9	144.1	143.4	142.7	141.9	142.7	143.4	144.1
105°	192.3	191.3	190.2	189.2	188.3	187.4	186.5	185.6	186.5	187.4	188.3
107.5°	239.9	239.0	238.2	237.4	236.5	235.5	234.6	233.7	234.6	235.5	236.5
110°	272.4	271.8	271.3	270.6	269.7	268.8	267.9	267.0	267.9	268.8	269.7





TEST NUMBER: P333233-930

CATALOG NUMBER: S125DIP-S850D1035U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	304.7	304.0	303.3	302.7	302.2	301.7	301.3	300.8	301.3	301.7	302.2
115°	355.0	354.6	354.2	353.7	353.0	352.3	351.6	350.8	351.6	352.3	353.0
117.5°	403.2	402.9	402.6	402.3	401.9	401.6	401.3	401.0	401.3	401.6	401.9
120°	436.8	436.5	436.3	435.9	435.0	434.0	433.1	432.2	433.1	434.0	435.0
122.5°	468.7	468.2	467.7	467.4	467.1	466.8	466.4	466.1	466.4	466.8	467.1
125°	517.3	517.1	517.0	516.3	515.3	514.1	513.1	512.0	513.1	514.1	515.3
127.5°	564.1	563.9	563.7	563.3	562.6	562.1	561.4	560.8	561.4	562.1	562.6
130°	595.1	594.8	594.4	593.7	592.8	591.9	591.0	590.1	591.0	591.9	592.8
132.5°	625.9	626.0	626.1	625.3	623.9	622.4	620.9	619.4	620.9	622.4	623.9
135°	671.2	671.0	670.8	670.2	669.0	668.0	666.9	665.9	666.9	668.0	669.0
137.5°	715.2	714.8	714.4	713.6	712.6	711.5	710.5	709.5	710.5	711.5	712.6
140°	742.9	742.3	741.8	741.0	740.1	739.2	738.3	737.4	738.3	739.2	740.1
142.5°	770.6	769.9	769.2	768.5	767.7	767.0	766.2	765.4	766.2	767.0	767.7
145°	811.2	810.7	810.2	809.5	808.8	808.0	807.4	806.7	807.4	808.0	808.8
147.5°	847.6	847.2	846.8	846.3	846.0	845.5	845.1	844.7	845.1	845.5	846.0
150°	871.1	870.4	869.7	869.4	869.6	869.8	869.9	870.1	869.9	869.8	869.6
152.5°	892.8	892.5	892.3	891.9	891.7	891.4	891.2	891.0	891.2	891.4	891.7
155°	923.5	923.3	923.1	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0
157.5°	950.3	950.1	950.0	950.1	950.5	950.9	951.3	951.7	951.3	950.9	950.5
160°	966.6	966.5	966.3	966.5	966.9	967.5	968.1	968.6	968.1	967.5	966.9
162.5°	981.9	981.9	981.8	982.0	982.4	982.8	983.2	983.6	983.2	982.8	982.4
165°	1002.4	1002.2	1002.1	1002.2	1002.5	1002.9	1003.2	1003.6	1003.2	1002.9	1002.5
167.5°	1017.2	1017.2	1017.2	1017.7	1018.4	1019.1	1019.8	1020.5	1019.8	1019.1	1018.4
170°	1026.4	1026.4	1026.4	1026.8	1027.5	1028.2	1028.9	1029.6	1028.9	1028.2	1027.5
172.5°	1032.9	1032.9	1032.9	1033.3	1034.0	1034.7	1035.4	1036.2	1035.4	1034.7	1034.0
175°	1040.2	1040.2	1040.2	1040.6	1041.3	1042.0	1042.8	1043.5	1042.8	1042.0	1041.3
177.5°	1044.2	1044.4	1044.6	1044.9	1045.5	1046.1	1046.7	1047.3	1046.7	1046.1	1045.5
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333233-930

CATALOG NUMBER: S125DIP-S850D1035U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	980.2	976.4	973.4	966.6	962.9	957.8	953.7	958.1	953.4	955.4	952.4
5°	949.6	937.8	929.3	917.0	906.4	896.7	889.5	888.2	884.8	883.1	878.0
7.5°	912.8	898.0	883.5	867.4	853.8	840.0	831.2	823.9	819.1	812.8	808.5
10°	891.1	871.2	854.4	834.9	817.9	803.1	791.2	785.3	779.8	771.8	768.8
12.5°	864.4	843.8	823.1	802.3	786.1	769.6	759.4	750.4	746.7	737.5	736.6
15°	832.3	801.4	781.1	759.9	737.4	723.9	715.4	705.7	701.5	695.1	690.5
17.5°	794.0	766.5	741.0	719.1	699.9	688.4	677.9	671.2	664.0	659.8	652.2
20°	766.3	740.0	714.6	691.3	676.5	663.4	654.9	648.6	641.0	638.9	631.2
22.5°	742.9	714.0	689.6	670.0	653.8	639.0	629.8	625.6	620.3	613.8	612.2
25°	704.9	674.8	654.1	634.6	620.2	606.7	600.3	594.8	589.7	585.1	583.3
27.5°	672.1	645.1	620.5	602.9	590.4	578.0	572.4	565.7	562.1	558.3	553.8
30°	649.0	621.5	599.9	582.9	569.4	558.4	552.4	547.8	544.5	541.0	538.5
32.5°	625.3	599.8	578.9	562.3	548.8	540.5	535.2	531.9	528.2	524.1	520.9
35°	593.9	566.0	545.7	531.3	520.7	514.4	508.4	505.5	501.2	501.2	497.8
37.5°	558.6	534.5	516.6	503.4	494.0	488.3	481.8	479.8	477.1	475.3	474.2
40°	537.7	515.2	498.3	485.2	475.0	470.3	465.3	461.9	460.2	458.0	457.2
42.5°	516.0	494.6	478.3	466.2	457.4	453.4	448.7	446.3	442.9	440.1	439.6
45°	483.1	462.3	447.5	437.7	430.2	425.5	422.5	417.4	415.7	412.4	411.9
47.5°	451.8	431.9	417.4	409.4	402.7	398.8	394.2	389.1	387.2	385.5	385.3
50°	428.4	410.3	396.6	389.1	382.7	377.2	372.5	369.2	367.9	367.9	368.8
52.5°	404.7	389.2	377.7	368.4	362.4	356.5	352.2	350.2	348.2	350.3	351.8
55°	370.0	354.3	345.8	337.0	331.1	324.2	322.2	321.3	320.1	323.4	325.1
57.5°	333.3	322.3	312.3	303.5	298.2	294.3	291.5	290.9	293.3	294.9	300.4
60°	309.9	297.2	288.3	281.5	275.2	272.6	271.8	270.9	272.6	277.3	284.5
62.5°	284.1	273.9	264.2	259.2	254.5	250.3	250.1	250.6	254.0	259.3	266.5
65°	246.4	237.5	231.1	225.2	221.4	218.9	219.7	221.4	225.2	232.4	240.4
67.5°	208.1	201.9	196.2	191.4	187.8	187.8	188.7	191.2	195.7	204.0	211.3
70°	183.3	176.5	171.9	169.7	166.8	165.1	167.6	171.9	175.7	183.3	189.6
72.5°	158.6	152.9	149.2	147.7	146.5	145.1	145.9	150.5	155.7	163.3	170.7
75°	121.9	119.8	117.2	115.6	114.3	115.1	116.0	120.3	124.5	132.5	141.0
77.5°	88.9	86.7	85.3	84.9	84.1	84.5	87.0	90.1	94.2	100.1	106.5
80°	67.3	66.4	65.6	65.2	65.2	65.6	69.0	71.1	74.9	80.5	85.5
82.5°	49.0	48.5	48.3	48.3	48.6	48.7	50.7	53.5	56.7	60.8	65.2
85°	25.8	24.9	26.3	26.7	25.8	27.1	28.0	29.6	30.9	33.0	35.1
87.5°	9.8	10.8	10.7	11.3	11.5	12.4	12.2	13.8	14.7	15.5	15.3
90°	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8	15.7	16.6	17.4
92.5°	23.7	25.0	26.6	28.1	29.7	31.2	32.4	33.7	34.8	36.0	36.9
95°	54.4	55.4	57.2	59.0	60.9	62.7	63.9	65.2	66.4	67.8	68.6
97.5°	88.5	89.8	92.3	94.8	97.3	99.8	101.0	102.2	103.4	104.6	105.3
100°	114.0	115.1	117.5	119.8	122.2	124.5	126.1	127.8	129.4	131.0	132.1
102.5°	144.9	145.8	147.0	148.2	149.4	150.6	152.4	154.1	155.9	157.7	158.8
105°	189.2	190.2	191.3	192.3	193.5	194.5	195.6	196.7	197.8	198.9	199.7
107.5°	237.4	238.2	239.0	239.9	240.8	241.6	242.1	242.6	243.2	243.8	244.0
110°	270.6	271.3	271.8	272.4	273.0	273.5	274.0	274.6	275.1	275.7	275.8



TEST NUMBER: P333233-930

CATALOG NUMBER: S125DIP-S850D1035U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	302.7	303.3	304.0	304.7	305.3	306.1	306.3	306.6	306.8	307.0	307.0
115°	353.7	354.2	354.6	355.0	355.3	355.7	355.6	355.3	355.1	355.0	354.8
117.5°	402.3	402.6	402.9	403.2	403.6	403.9	404.1	404.1	404.3	404.5	404.1
120°	435.9	436.3	436.5	436.8	436.9	437.1	437.1	437.1	437.1	437.1	436.8
122.5°	467.4	467.7	468.2	468.7	469.2	469.6	469.5	469.4	469.2	469.0	468.7
125°	516.3	517.0	517.1	517.3	517.5	517.7	517.3	517.0	516.6	516.2	515.9
127.5°	563.3	563.7	563.9	564.1	564.4	564.6	564.4	564.2	564.0	563.9	563.5
130°	593.7	594.4	594.8	595.1	595.4	595.8	595.7	595.4	595.3	595.1	594.8
132.5°	625.3	626.1	626.0	625.9	625.8	625.7	625.6	625.4	625.3	625.0	624.7
135°	670.2	670.8	671.0	671.2	671.3	671.5	671.5	671.5	671.5	671.5	671.2
137.5°	713.6	714.4	714.8	715.2	715.6	715.9	716.2	716.4	716.6	716.8	716.5
140°	741.0	741.8	742.3	742.9	743.4	744.0	744.3	744.7	745.0	745.4	745.1
142.5°	768.5	769.2	769.9	770.6	771.3	771.9	772.2	772.4	772.6	772.8	772.5
145°	809.5	810.2	810.7	811.2	811.8	812.4	812.4	812.4	812.4	812.4	812.0
147.5°	846.3	846.8	847.2	847.6	848.0	848.5	848.9	849.3	849.8	850.2	849.8
150°	869.4	869.7	870.4	871.1	871.8	872.5	872.5	872.5	872.5	872.5	872.4
152.5°	891.9	892.3	892.5	892.8	893.1	893.4	893.8	894.3	894.7	895.1	895.0
155°	923.0	923.1	923.3	923.5	923.7	923.8	924.5	925.3	926.0	926.8	926.7
157.5°	950.1	950.0	950.1	950.3	950.6	950.7	951.5	952.1	952.8	953.6	953.3
160°	966.5	966.3	966.5	966.6	966.8	966.9	967.7	968.4	969.1	969.9	969.8
162.5°	982.0	981.8	981.9	981.9	981.9	981.9	982.8	983.7	984.6	985.5	985.4
165°	1002.2	1002.1	1002.2	1002.4	1002.6	1002.8	1003.6	1004.2	1004.9	1005.7	1005.5
167.5°	1017.7	1017.2	1017.2	1017.2	1017.2	1017.2	1018.4	1019.5	1020.5	1021.7	1021.6
170°	1026.8	1026.4	1026.4	1026.4	1026.4	1026.4	1027.5	1028.6	1029.6	1030.7	1030.6
172.5°	1033.3	1032.9	1032.9	1032.9	1032.9	1032.9	1034.0	1035.1	1036.2	1037.2	1037.2
175°	1040.6	1040.2	1040.2	1040.2	1040.2	1040.2	1041.3	1042.4	1043.5	1044.6	1044.5
177.5°	1044.9	1044.6	1044.4	1044.2	1044.2	1044.0	1044.9	1045.7	1046.6	1047.4	1047.4
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333233-930

CATALOG NUMBER: S125DIP-S850D1035U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	950.3	952.7	950.6	953.4	950.6	952.7	950.3	952.4	955.4	953.4	958.1
5°	875.9	872.1	874.7	872.9	874.7	872.1	875.9	878.0	883.1	884.8	888.2
7.5°	807.1	803.5	799.4	797.4	799.4	803.5	807.1	808.5	812.8	819.1	823.9
10°	764.2	759.5	759.0	756.1	759.0	759.5	764.2	768.8	771.8	779.8	785.3
12.5°	732.6	728.3	723.5	722.3	723.5	728.3	732.6	736.6	737.5	746.7	750.4
15°	687.9	684.5	681.6	684.1	681.6	684.5	687.9	690.5	695.1	701.5	705.7
17.5°	650.8	648.0	647.4	644.3	647.4	648.0	650.8	652.2	659.8	664.0	671.2
20°	627.4	625.3	626.1	620.6	626.1	625.3	627.4	631.2	638.9	641.0	648.6
22.5°	608.8	604.6	604.1	603.0	604.1	604.6	608.8	612.2	613.8	620.3	625.6
25°	579.6	577.5	575.4	577.5	575.4	577.5	579.6	583.3	585.1	589.7	594.8
27.5°	554.1	551.5	551.0	551.2	551.0	551.5	554.1	553.8	558.3	562.1	565.7
30°	538.5	534.3	534.7	534.3	534.7	534.3	538.5	538.5	541.0	544.5	547.8
32.5°	521.5	518.7	518.1	517.3	518.1	518.7	521.5	520.9	524.1	528.2	531.9
35°	496.6	496.6	494.5	494.5	494.5	496.6	496.6	497.8	501.2	501.2	505.5
37.5°	473.1	472.7	471.4	471.7	471.4	472.7	473.1	474.2	475.3	477.1	479.8
40°	455.5	455.1	453.8	451.3	453.8	455.1	455.5	457.2	458.0	460.2	461.9
42.5°	438.5	437.2	436.6	435.7	436.6	437.2	438.5	439.6	440.1	442.9	446.3
45°	411.9	411.9	411.1	410.7	411.1	411.9	411.9	411.9	412.4	415.7	417.4
47.5°	386.0	386.8	388.4	388.2	388.4	386.8	386.0	385.3	385.5	387.2	389.1
50°	370.4	370.9	372.1	372.5	372.1	370.9	370.4	368.8	367.9	367.9	369.2
52.5°	353.2	355.6	357.2	356.9	357.2	355.6	353.2	351.8	350.3	348.2	350.2
55°	329.0	331.9	334.8	335.3	334.8	331.9	329.0	325.1	323.4	320.1	321.3
57.5°	305.0	309.2	312.3	313.2	312.3	309.2	305.0	300.4	294.9	293.3	290.9
60°	288.7	294.2	298.1	299.7	298.1	294.2	288.7	284.5	277.3	272.6	270.9
62.5°	273.1	279.3	283.2	283.5	283.2	279.3	273.1	266.5	259.3	254.0	250.6
65°	247.7	254.0	257.4	259.9	257.4	254.0	247.7	240.4	232.4	225.2	221.4
67.5°	220.2	226.6	230.3	232.4	230.3	226.6	220.2	211.3	204.0	195.7	191.2
70°	200.2	206.6	211.7	213.4	211.7	206.6	200.2	189.6	183.3	175.7	171.9
72.5°	180.6	186.3	190.4	192.3	190.4	186.3	180.6	170.7	163.3	155.7	150.5
75°	146.5	154.1	157.9	160.0	157.9	154.1	146.5	141.0	132.5	124.5	120.3
77.5°	112.9	119.9	122.2	123.3	122.2	119.9	112.9	106.5	100.1	94.2	90.1
80°	90.6	94.8	97.8	98.2	97.8	94.8	90.6	85.5	80.5	74.9	71.1
82.5°	69.6	73.1	74.1	75.2	74.1	73.1	69.6	65.2	60.8	56.7	53.5
85°	38.1	39.8	40.2	39.8	40.2	39.8	38.1	35.1	33.0	30.9	29.6
87.5°	16.1	15.9	16.0	16.8	16.0	15.9	16.1	15.3	15.5	14.7	13.8
90°	17.9	18.4	19.0	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8
92.5°	37.3	37.6	38.0	38.4	38.0	37.6	37.3	36.9	36.0	34.8	33.7
95°	68.9	69.3	69.6	70.0	69.6	69.3	68.9	68.6	67.8	66.4	65.2
97.5°	105.5	105.7	105.9	106.2	105.9	105.7	105.5	105.3	104.6	103.4	102.2
100°	132.4	132.7	133.1	133.5	133.1	132.7	132.4	132.1	131.0	129.4	127.8
102.5°	159.3	159.8	160.4	160.9	160.4	159.8	159.3	158.8	157.7	155.9	154.1
105°	200.2	200.8	201.3	201.9	201.3	200.8	200.2	199.7	198.9	197.8	196.7
107.5°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	244.0	243.8	243.2	242.6
110°	275.7	275.5	275.3	275.1	275.3	275.5	275.7	275.8	275.7	275.1	274.6



TEST NUMBER: P333233-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	306.7	306.4	306.1	305.7	306.1	306.4	306.7	307.0	307.0	306.8	306.6
115°	354.6	354.4	354.2	354.1	354.2	354.4	354.6	354.8	355.0	355.1	355.3
117.5°	403.4	402.8	402.0	401.3	402.0	402.8	403.4	404.1	404.5	404.3	404.1
120°	436.0	435.3	434.6	433.8	434.6	435.3	436.0	436.8	437.1	437.1	437.1
122.5°	468.1	467.6	467.0	466.4	467.0	467.6	468.1	468.7	469.0	469.2	469.4
125°	515.8	515.6	515.4	515.3	515.4	515.6	515.8	515.9	516.2	516.6	517.0
127.5°	563.2	562.8	562.5	562.1	562.5	562.8	563.2	563.5	563.9	564.0	564.2
130°	594.4	594.1	593.7	593.4	593.7	594.1	594.4	594.8	595.1	595.3	595.4
132.5°	624.2	623.7	623.2	622.6	623.2	623.7	624.2	624.7	625.0	625.3	625.4
135°	670.4	669.7	669.0	668.2	669.0	669.7	670.4	671.2	671.5	671.5	671.5
137.5°	715.6	714.7	713.8	712.9	713.8	714.7	715.6	716.5	716.8	716.6	716.4
140°	744.2	743.3	742.4	741.5	742.4	743.3	744.2	745.1	745.4	745.0	744.7
142.5°	771.6	770.7	769.8	768.8	769.8	770.7	771.6	772.5	772.8	772.6	772.4
145°	811.5	811.0	810.4	809.9	810.4	811.0	811.5	812.0	812.4	812.4	812.4
147.5°	848.6	847.3	846.1	844.9	846.1	847.3	848.6	849.8	850.2	849.8	849.3
150°	872.0	871.6	871.3	870.9	871.3	871.6	872.0	872.4	872.5	872.5	872.5
152.5°	894.4	893.7	893.1	892.4	893.1	893.7	894.4	895.0	895.1	894.7	894.3
155°	925.8	924.8	923.9	923.0	923.9	924.8	925.8	926.7	926.8	926.0	925.3
157.5°	952.2	951.0	949.7	948.6	949.7	951.0	952.2	953.3	953.6	952.8	952.1
160°	968.9	968.0	967.1	966.1	967.1	968.0	968.9	969.8	969.9	969.1	968.4
162.5°	984.3	983.3	982.2	981.1	982.2	983.3	984.3	985.4	985.5	984.6	983.7
165°	1004.4	1003.3	1002.2	1001.2	1002.2	1003.3	1004.4	1005.5	1005.7	1004.9	1004.2
167.5°	1020.5	1019.4	1018.2	1017.1	1018.2	1019.4	1020.5	1021.6	1021.7	1020.5	1019.5
170°	1029.4	1028.1	1026.9	1025.6	1026.9	1028.1	1029.4	1030.6	1030.7	1029.6	1028.6
172.5°	1036.1	1035.0	1033.9	1032.7	1033.9	1035.0	1036.1	1037.2	1037.2	1036.2	1035.1
175°	1043.3	1042.0	1040.6	1039.4	1040.6	1042.0	1043.3	1044.5	1044.6	1043.5	1042.4
177.5°	1046.4	1045.4	1044.3	1043.3	1044.3	1045.4	1046.4	1047.4	1047.4	1046.6	1045.7
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333233-930

CATALOG NUMBER: S125DIP-S850D1035U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	953.7	957.8	962.9	966.6	973.4	976.4	980.2	983.2	988.6	993.7	999.8
5°	889.5	896.7	906.4	917.0	929.3	937.8	949.6	956.8	971.2	984.3	996.9
7.5°	831.2	840.0	853.8	867.4	883.5	898.0	912.8	929.3	947.6	969.3	987.2
10°	791.2	803.1	817.9	834.9	854.4	871.2	891.1	908.9	931.4	956.8	980.5
12.5°	759.4	769.6	786.1	802.3	823.1	843.8	864.4	887.9	914.1	942.2	972.0
15°	715.4	723.9	737.4	759.9	781.1	801.4	832.3	854.4	887.4	918.7	954.6
17.5°	677.9	688.4	699.9	719.1	741.0	766.5	794.0	821.7	853.5	893.2	933.8
20°	654.9	663.4	676.5	691.3	714.6	740.0	766.3	794.2	833.2	874.2	917.8
22.5°	629.8	639.0	653.8	670.0	689.6	714.0	742.9	773.6	814.2	854.6	901.9
25°	600.3	606.7	620.2	634.6	654.1	674.8	704.9	738.7	778.9	825.1	873.3
27.5°	572.4	578.0	590.4	602.9	620.5	645.1	672.1	706.2	744.1	790.9	844.4
30°	552.4	558.4	569.4	582.9	599.9	621.5	649.0	681.2	721.8	767.5	823.5
32.5°	535.2	540.5	548.8	562.3	578.9	599.8	625.3	658.1	698.8	745.2	800.1
35°	508.4	514.4	520.7	531.3	545.7	566.0	593.9	624.8	663.8	708.7	759.0
37.5°	481.8	488.3	494.0	503.4	516.6	534.5	558.6	590.8	626.1	669.3	717.6
40°	465.3	470.3	475.0	485.2	498.3	515.2	537.7	566.5	603.7	643.9	684.1
42.5°	448.7	453.4	457.4	466.2	478.3	494.6	516.0	544.0	578.6	616.1	651.6
45°	422.5	425.5	430.2	437.7	447.5	462.3	483.1	508.0	537.2	572.8	599.5
47.5°	394.2	398.8	402.7	409.4	417.4	431.9	451.8	473.0	499.5	525.9	544.8
50°	372.5	377.2	382.7	389.1	396.6	410.3	428.4	450.0	472.5	492.8	508.8
52.5°	352.2	356.5	362.4	368.4	377.7	389.2	404.7	424.0	446.1	460.6	474.0
55°	322.2	324.2	331.1	337.0	345.8	354.3	370.0	386.9	400.5	411.5	422.5
57.5°	291.5	294.3	298.2	303.5	312.3	322.3	333.3	348.2	356.2	361.9	370.4
60°	271.8	272.6	275.2	281.5	288.3	297.2	309.9	320.5	326.4	331.1	338.3
62.5°	250.1	250.3	254.5	259.2	264.2	273.9	284.1	292.7	297.6	299.9	306.8
65°	219.7	218.9	221.4	225.2	231.1	237.5	246.4	254.0	253.6	256.1	260.3
67.5°	188.7	187.8	187.8	191.4	196.2	201.9	208.1	212.5	212.5	215.9	218.0
70°	167.6	165.1	166.8	169.7	171.9	176.5	183.3	185.0	185.4	187.1	189.2
72.5°	145.9	145.1	146.5	147.7	149.2	152.9	158.6	159.6	159.7	160.7	164.2
75°	116.0	115.1	114.3	115.6	117.2	119.8	121.9	123.6	123.2	123.6	126.1
77.5°	87.0	84.5	84.1	84.9	85.3	86.7	88.9	88.8	89.3	89.2	92.0
80°	69.0	65.6	65.2	65.2	65.6	66.4	67.3	68.2	66.9	68.2	69.0
82.5°	50.7	48.7	48.6	48.3	48.3	48.5	49.0	49.6	49.2	49.9	50.4
85°	28.0	27.1	25.8	26.7	26.3	24.9	25.8	24.5	24.1	24.5	24.9
87.5°	12.2	12.4	11.5	11.3	10.7	10.8	9.8	9.1	8.6	8.6	9.3
90°	13.9	13.0	11.7	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8
92.5°	32.4	31.2	29.7	28.1	26.6	25.0	23.7	22.7	21.7	20.7	19.7
95°	63.9	62.7	60.9	59.0	57.2	55.4	54.4	54.0	53.6	53.2	52.9
97.5°	101.0	99.8	97.3	94.8	92.3	89.8	88.5	88.4	88.2	88.1	87.9
100°	126.1	124.5	122.2	119.8	117.5	115.1	114.0	114.0	114.0	114.0	114.0
102.5°	152.4	150.6	149.4	148.2	147.0	145.8	144.9	144.1	143.4	142.7	141.9
105°	195.6	194.5	193.5	192.3	191.3	190.2	189.2	188.3	187.4	186.5	185.6
107.5°	242.1	241.6	240.8	239.9	239.0	238.2	237.4	236.5	235.5	234.6	233.7
110°	274.0	273.5	273.0	272.4	271.8	271.3	270.6	269.7	268.8	267.9	267.0



TEST NUMBER: P333233-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.3	306.1	305.3	304.7	304.0	303.3	302.7	302.2	301.7	301.3	300.8
115°	355.6	355.7	355.3	355.0	354.6	354.2	353.7	353.0	352.3	351.6	350.8
117.5°	404.1	403.9	403.6	403.2	402.9	402.6	402.3	401.9	401.6	401.3	401.0
120°	437.1	437.1	436.9	436.8	436.5	436.3	435.9	435.0	434.0	433.1	432.2
122.5°	469.5	469.6	469.2	468.7	468.2	467.7	467.4	467.1	466.8	466.4	466.1
125°	517.3	517.7	517.5	517.3	517.1	517.0	516.3	515.3	514.1	513.1	512.0
127.5°	564.4	564.6	564.4	564.1	563.9	563.7	563.3	562.6	562.1	561.4	560.8
130°	595.7	595.8	595.4	595.1	594.8	594.4	593.7	592.8	591.9	591.0	590.1
132.5°	625.6	625.7	625.8	625.9	626.0	626.1	625.3	623.9	622.4	620.9	619.4
135°	671.5	671.5	671.3	671.2	671.0	670.8	670.2	669.0	668.0	666.9	665.9
137.5°	716.2	715.9	715.6	715.2	714.8	714.4	713.6	712.6	711.5	710.5	709.5
140°	744.3	744.0	743.4	742.9	742.3	741.8	741.0	740.1	739.2	738.3	737.4
142.5°	772.2	771.9	771.3	770.6	769.9	769.2	768.5	767.7	767.0	766.2	765.4
145°	812.4	812.4	811.8	811.2	810.7	810.2	809.5	808.8	808.0	807.4	806.7
147.5°	848.9	848.5	848.0	847.6	847.2	846.8	846.3	846.0	845.5	845.1	844.7
150°	872.5	872.5	871.8	871.1	870.4	869.7	869.4	869.6	869.8	869.9	870.1
152.5°	893.8	893.4	893.1	892.8	892.5	892.3	891.9	891.7	891.4	891.2	891.0
155°	924.5	923.8	923.7	923.5	923.3	923.1	923.0	923.0	923.0	923.0	923.0
157.5°	951.5	950.7	950.6	950.3	950.1	950.0	950.1	950.5	950.9	951.3	951.7
160°	967.7	966.9	966.8	966.6	966.5	966.3	966.5	966.9	967.5	968.1	968.6
162.5°	982.8	981.9	981.9	981.9	981.9	981.8	982.0	982.4	982.8	983.2	983.6
165°	1003.6	1002.8	1002.6	1002.4	1002.2	1002.1	1002.2	1002.5	1002.9	1003.2	1003.6
167.5°	1018.4	1017.2	1017.2	1017.2	1017.2	1017.2	1017.7	1018.4	1019.1	1019.8	1020.5
170°	1027.5	1026.4	1026.4	1026.4	1026.4	1026.4	1026.8	1027.5	1028.2	1028.9	1029.6
172.5°	1034.0	1032.9	1032.9	1032.9	1032.9	1032.9	1033.3	1034.0	1034.7	1035.4	1036.2
175°	1041.3	1040.2	1040.2	1040.2	1040.2	1040.2	1040.6	1041.3	1042.0	1042.8	1043.5
177.5°	1044.9	1044.0	1044.2	1044.2	1044.4	1044.6	1044.9	1045.5	1046.1	1046.7	1047.3
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333233-930

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1002.8	1007.5	1010.6	1016.4	1021.1	1023.9	1026.2	1028.3	1030.6	1032.7	1038.4
5°	1009.3	1020.3	1029.6	1044.0	1057.1	1067.2	1078.2	1088.0	1096.1	1107.5	1116.4
7.5°	1006.5	1026.1	1046.5	1068.8	1091.5	1112.7	1132.2	1150.4	1166.9	1186.9	1204.4
10°	1003.8	1030.5	1056.7	1086.7	1117.6	1143.9	1168.4	1193.4	1211.6	1237.1	1258.6
12.5°	1001.8	1033.1	1064.8	1101.0	1134.9	1172.0	1204.7	1222.9	1250.6	1270.9	1296.6
15°	993.2	1034.7	1078.2	1118.9	1167.2	1201.4	1230.3	1265.8	1291.6	1317.4	1345.4
17.5°	977.9	1024.8	1073.6	1126.9	1173.2	1210.0	1247.1	1281.4	1312.2	1346.9	1381.6
20°	970.8	1017.7	1073.6	1128.2	1173.5	1212.0	1250.2	1287.8	1321.7	1366.1	1406.4
22.5°	955.9	1012.7	1064.1	1117.4	1164.0	1206.0	1249.1	1291.9	1336.9	1387.2	1437.5
25°	929.3	986.8	1041.5	1094.0	1140.9	1193.4	1239.6	1296.7	1354.3	1420.7	1483.4
27.5°	901.6	956.8	1006.8	1057.5	1112.3	1171.7	1231.6	1296.5	1371.8	1455.7	1544.1
30°	879.3	931.4	980.1	1032.1	1089.2	1156.2	1221.8	1298.9	1386.0	1480.4	1585.4
32.5°	853.2	901.2	948.5	1003.7	1065.9	1136.5	1213.0	1297.5	1402.3	1509.6	1617.6
35°	808.6	848.8	897.5	956.3	1026.6	1107.5	1196.0	1295.8	1416.1	1539.3	1630.4
37.5°	755.7	793.1	844.4	908.9	982.6	1069.3	1174.4	1292.9	1420.6	1518.8	1548.2
40°	720.2	754.8	808.2	875.1	950.4	1042.3	1157.4	1282.7	1406.4	1469.0	1444.9
42.5°	682.2	718.6	770.5	836.8	917.9	1017.9	1136.1	1261.4	1365.1	1388.8	1305.4
45°	622.3	660.0	711.2	778.1	865.4	973.7	1096.9	1210.8	1270.5	1227.7	1098.6
47.5°	566.7	602.0	649.5	718.5	808.5	920.6	1039.3	1130.1	1134.8	1032.8	894.9
50°	528.8	561.3	609.2	678.2	767.5	881.0	988.1	1059.6	1027.4	911.9	779.3
52.5°	491.5	523.4	570.6	639.0	727.2	831.2	930.8	981.0	920.5	801.8	688.6
55°	437.7	465.7	511.8	574.9	658.8	755.3	839.9	857.3	778.5	661.7	569.8
57.5°	385.2	411.3	453.3	511.4	588.0	673.5	739.7	736.1	652.8	552.5	479.6
60°	349.7	375.1	412.4	469.0	538.9	612.6	669.3	655.7	573.2	486.8	425.5
62.5°	317.9	340.6	375.8	425.3	489.1	557.4	604.0	584.0	503.1	427.5	379.0
65°	270.9	290.0	320.1	362.4	415.3	471.7	507.6	481.8	412.8	353.9	315.0
67.5°	226.2	241.4	266.6	300.4	345.5	390.8	412.7	386.7	331.5	288.5	259.7
70°	197.7	211.2	230.7	260.8	300.2	338.3	354.7	331.5	284.1	247.2	226.5
72.5°	169.3	180.4	197.5	224.5	256.1	289.2	303.6	281.4	242.4	211.3	191.9
75°	130.9	138.4	150.3	168.9	193.9	220.1	228.2	208.7	183.8	160.5	147.7
77.5°	93.7	100.1	109.1	120.8	138.5	155.2	162.2	151.0	131.7	116.9	106.5
80°	72.0	75.3	83.0	92.7	106.7	117.2	121.9	114.7	101.2	90.2	82.1
82.5°	51.3	54.7	59.3	67.3	76.2	83.4	88.4	83.6	73.8	65.1	60.4
85°	24.9	27.1	29.6	33.0	39.8	44.0	43.6	40.6	36.9	33.4	30.9
87.5°	9.3	9.9	11.2	13.2	14.4	16.1	17.0	16.6	15.5	14.7	13.8
90°	2.3	3.7	5.1	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8
92.5°	20.7	21.7	22.7	23.7	25.0	26.6	28.1	29.7	31.2	32.4	33.7
95°	53.2	53.6	54.0	54.4	55.4	57.2	59.0	60.9	62.7	63.9	65.2
97.5°	88.1	88.2	88.4	88.5	89.8	92.3	94.8	97.3	99.8	101.0	102.2
100°	114.0	114.0	114.0	114.0	115.1	117.5	119.8	122.2	124.5	126.1	127.8
102.5°	142.7	143.4	144.1	144.9	145.8	147.0	148.2	149.4	150.6	152.4	154.1
105°	186.5	187.4	188.3	189.2	190.2	191.3	192.3	193.5	194.5	195.6	196.7
107.5°	234.6	235.5	236.5	237.4	238.2	239.0	239.9	240.8	241.6	242.1	242.6
110°	267.9	268.8	269.7	270.6	271.3	271.8	272.4	273.0	273.5	274.0	274.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	301.3	301.7	302.2	302.7	303.3	304.0	304.7	305.3	306.1	306.3	306.6
115°	351.6	352.3	353.0	353.7	354.2	354.6	355.0	355.3	355.7	355.6	355.3
117.5°	401.3	401.6	401.9	402.3	402.6	402.9	403.2	403.6	403.9	404.1	404.1
120°	433.1	434.0	435.0	435.9	436.3	436.5	436.8	436.9	437.1	437.1	437.1
122.5°	466.4	466.8	467.1	467.4	467.7	468.2	468.7	469.2	469.6	469.5	469.4
125°	513.1	514.1	515.3	516.3	517.0	517.1	517.3	517.5	517.7	517.3	517.0
127.5°	561.4	562.1	562.6	563.3	563.7	563.9	564.1	564.4	564.6	564.4	564.2
130°	591.0	591.9	592.8	593.7	594.4	594.8	595.1	595.4	595.8	595.7	595.4
132.5°	620.9	622.4	623.9	625.3	626.1	626.0	625.9	625.8	625.7	625.6	625.4
135°	666.9	668.0	669.0	670.2	670.8	671.0	671.2	671.3	671.5	671.5	671.5
137.5°	710.5	711.5	712.6	713.6	714.4	714.8	715.2	715.6	715.9	716.2	716.4
140°	738.3	739.2	740.1	741.0	741.8	742.3	742.9	743.4	744.0	744.3	744.7
142.5°	766.2	767.0	767.7	768.5	769.2	769.9	770.6	771.3	771.9	772.2	772.4
145°	807.4	808.0	808.8	809.5	810.2	810.7	811.2	811.8	812.4	812.4	812.4
147.5°	845.1	845.5	846.0	846.3	846.8	847.2	847.6	848.0	848.5	848.9	849.3
150°	869.9	869.8	869.6	869.4	869.7	870.4	871.1	871.8	872.5	872.5	872.5
152.5°	891.2	891.4	891.7	891.9	892.3	892.5	892.8	893.1	893.4	893.8	894.3
155°	923.0	923.0	923.0	923.0	923.1	923.3	923.5	923.7	923.8	924.5	925.3
157.5°	951.3	950.9	950.5	950.1	950.0	950.1	950.3	950.6	950.7	951.5	952.1
160°	968.1	967.5	966.9	966.5	966.3	966.5	966.6	966.8	966.9	967.7	968.4
162.5°	983.2	982.8	982.4	982.0	981.8	981.9	981.9	981.9	981.9	982.8	983.7
165°	1003.2	1002.9	1002.5	1002.2	1002.1	1002.2	1002.4	1002.6	1002.8	1003.6	1004.2
167.5°	1019.8	1019.1	1018.4	1017.7	1017.2	1017.2	1017.2	1017.2	1017.2	1018.4	1019.5
170°	1028.9	1028.2	1027.5	1026.8	1026.4	1026.4	1026.4	1026.4	1026.4	1027.5	1028.6
172.5°	1035.4	1034.7	1034.0	1033.3	1032.9	1032.9	1032.9	1032.9	1032.9	1034.0	1035.1
175°	1042.8	1042.0	1041.3	1040.6	1040.2	1040.2	1040.2	1040.2	1040.2	1041.3	1042.4
177.5°	1046.7	1046.1	1045.5	1044.9	1044.6	1044.4	1044.2	1044.2	1044.0	1044.9	1045.7
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1043.1	1045.9	1051.6	1049.5	1052.3	1053.6	1055.0
5°	1127.4	1140.9	1146.9	1146.0	1154.9	1152.8	1150.6
7.5°	1222.5	1236.8	1244.7	1254.7	1260.4	1260.8	1265.8
10°	1276.4	1295.0	1302.7	1313.2	1320.0	1323.8	1323.4
12.5°	1317.7	1332.3	1349.4	1354.5	1363.7	1368.5	1366.8
15°	1367.4	1390.7	1408.5	1417.4	1428.8	1432.2	1436.9
17.5°	1411.8	1443.0	1463.8	1491.3	1501.8	1508.1	1504.4
20°	1445.3	1486.4	1507.2	1540.2	1558.4	1568.1	1564.7
22.5°	1484.9	1529.4	1567.7	1596.4	1624.1	1637.2	1639.9
25°	1552.8	1613.8	1670.1	1707.8	1742.1	1750.1	1767.9
27.5°	1628.7	1700.6	1760.8	1800.4	1824.3	1833.3	1838.8
30°	1676.5	1748.0	1793.3	1818.7	1826.4	1825.5	1824.6
32.5°	1699.8	1744.7	1753.3	1746.2	1728.8	1714.1	1698.7
35°	1666.7	1633.3	1583.3	1519.0	1471.5	1423.8	1419.0
37.5°	1499.0	1392.0	1308.9	1216.0	1162.5	1129.4	1106.4
40°	1341.2	1219.7	1118.9	1040.6	985.9	964.4	943.2
42.5°	1169.8	1053.7	964.5	899.0	857.9	834.0	817.3
45°	950.4	848.0	778.1	730.7	698.1	679.5	668.9
47.5°	778.8	703.0	643.7	609.4	586.9	572.4	572.5
50°	686.6	614.2	574.9	547.8	528.3	516.9	519.0
52.5°	605.0	551.0	517.3	494.6	480.2	473.2	473.0
55°	505.9	466.9	444.9	428.4	418.7	410.7	412.4
57.5°	432.8	399.9	385.1	371.5	364.7	361.4	356.8
60°	387.3	362.0	349.3	338.3	331.5	329.0	324.2
62.5°	347.1	327.1	314.7	305.7	299.6	298.8	295.1
65°	291.7	276.5	265.5	261.2	254.9	253.2	253.2
67.5°	240.4	229.5	221.0	217.1	214.3	214.7	212.7
70°	208.3	199.4	193.9	189.6	187.5	187.9	186.3
72.5°	182.2	172.3	167.5	164.9	162.2	163.2	162.6
75°	138.0	132.9	130.4	127.8	126.1	125.3	124.5
77.5°	101.3	96.9	94.9	93.5	93.8	91.7	93.3
80°	78.4	74.5	73.2	71.1	70.7	70.7	70.3
82.5°	57.3	55.2	54.3	52.5	51.8	52.4	51.3
85°	29.6	28.0	27.6	27.6	26.7	25.8	28.0
87.5°	14.0	12.8	13.0	12.7	12.8	12.6	12.1
90°	15.7	16.6	17.4	17.9	18.4	19.0	19.6
92.5°	34.8	36.0	36.9	37.3	37.6	38.0	38.4
95°	66.4	67.8	68.6	68.9	69.3	69.6	70.0
97.5°	103.4	104.6	105.3	105.5	105.7	105.9	106.2
100°	129.4	131.0	132.1	132.4	132.7	133.1	133.5
102.5°	155.9	157.7	158.8	159.3	159.8	160.4	160.9
105°	197.8	198.9	199.7	200.2	200.8	201.3	201.9
107.5°	243.2	243.8	244.0	243.9	243.9	243.9	243.9
110°	275.1	275.7	275.8	275.7	275.5	275.3	275.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	306.8	307.0	307.0	306.7	306.4	306.1	305.7
115°	355.1	355.0	354.8	354.6	354.4	354.2	354.1
117.5°	404.3	404.5	404.1	403.4	402.8	402.0	401.3
120°	437.1	437.1	436.8	436.0	435.3	434.6	433.8
122.5°	469.2	469.0	468.7	468.1	467.6	467.0	466.4
125°	516.6	516.2	515.9	515.8	515.6	515.4	515.3
127.5°	564.0	563.9	563.5	563.2	562.8	562.5	562.1
130°	595.3	595.1	594.8	594.4	594.1	593.7	593.4
132.5°	625.3	625.0	624.7	624.2	623.7	623.2	622.6
135°	671.5	671.5	671.2	670.4	669.7	669.0	668.2
137.5°	716.6	716.8	716.5	715.6	714.7	713.8	712.9
140°	745.0	745.4	745.1	744.2	743.3	742.4	741.5
142.5°	772.6	772.8	772.5	771.6	770.7	769.8	768.8
145°	812.4	812.4	812.0	811.5	811.0	810.4	809.9
147.5°	849.8	850.2	849.8	848.6	847.3	846.1	844.9
150°	872.5	872.5	872.4	872.0	871.6	871.3	870.9
152.5°	894.7	895.1	895.0	894.4	893.7	893.1	892.4
155°	926.0	926.8	926.7	925.8	924.8	923.9	923.0
157.5°	952.8	953.6	953.3	952.2	951.0	949.7	948.6
160°	969.1	969.9	969.8	968.9	968.0	967.1	966.1
162.5°	984.6	985.5	985.4	984.3	983.3	982.2	981.1
165°	1004.9	1005.7	1005.5	1004.4	1003.3	1002.2	1001.2
167.5°	1020.5	1021.7	1021.6	1020.5	1019.4	1018.2	1017.1
170°	1029.6	1030.7	1030.6	1029.4	1028.1	1026.9	1025.6
172.5°	1036.2	1037.2	1037.2	1036.1	1035.0	1033.9	1032.7
175°	1043.5	1044.6	1044.5	1043.3	1042.0	1040.6	1039.4
177.5°	1046.6	1047.4	1047.4	1046.4	1045.4	1044.3	1043.3
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9

(END OF REPORT)