

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: P333178

Luminaire Tested: **S125DIP-S610D810U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333178  
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-S610D810U835-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5767.4 lumens  
Efficiency: N/A  
Efficacy: 150.2 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: General Diffuse

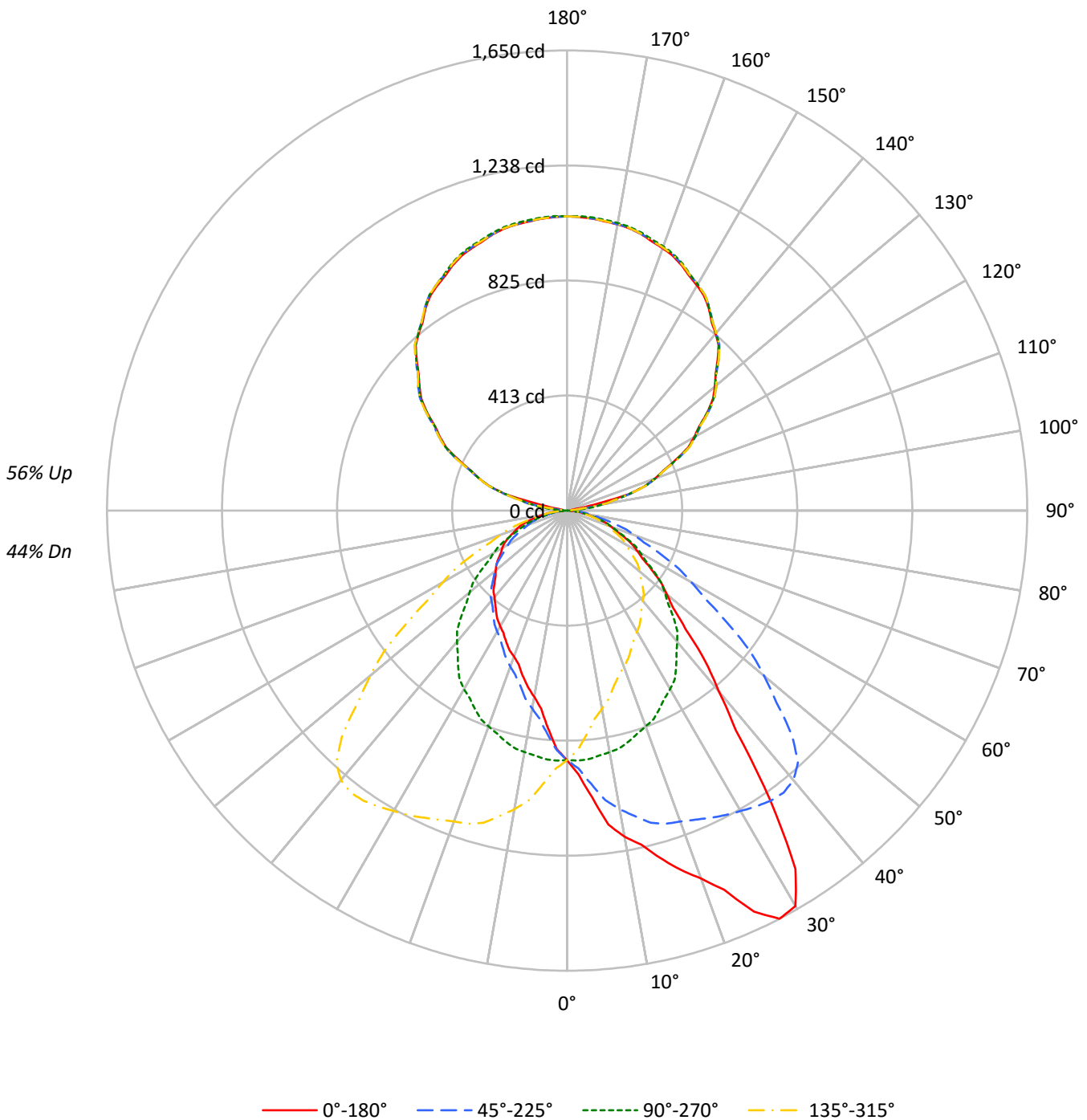
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44				
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43	37				
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36	32				
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31	27				
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23				
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	29	26	24	20				
6	62	50	42	37	57	47	39	34	39	34	30	32	28	25	26	23	21	18				
7	58	45	38	32	53	42	35	30	35	30	26	29	25	22	24	21	18	16				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14				
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	19	16	13	12				

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

	0°	90°	180°	270°
0°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	1.5
10°-20°	256.5	4.4
20°-30°	416.6	7.2
30°-40°	508.1	8.8
40°-50°	462.2	8.0
50°-60°	368.2	6.4
60°-70°	256.4	4.4
70°-80°	136.8	2.4
80°-90°	36.7	0.6
90°-100°	38.3	0.7
100°-110°	236.3	4.1
110°-120°	428.5	7.4
120°-130°	550.0	9.5
130°-140°	591.5	10.3
140°-150°	555.2	9.6
150°-160°	449.1	7.8
160°-170°	290.5	5.0
170°-180°	100.2	1.7
0°-30°	759.2	13.2
0°-40°	1267.4	22.0
0°-60°	2097.8	36.4
0°-90°	2527.7	43.8
90°-120°	703.1	12.2
90°-150°	2399.9	41.6
90°-180°	3240.0	56.2
0°-180°	5767.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	29
90°	19	1	19	1	19	9
95°	16	45	16	45	16	14
105°	232	230	232	230	232	210
115°	429	432	429	432	429	425
125°	614	614	614	614	614	546
135°	762	766	762	766	762	588
145°	885	888	885	888	885	553
155°	970	978	970	978	970	447
165°	1026	1032	1026	1032	1026	290
175°	1050	1055	1050	1055	1050	100
180°	1055	1055	1055	1055	1055	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	11.0	11.6	11.8	11.6	11.8	11.7	12.7	12.6	13.3	14.1	15.0
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3	13.4	12.5	11.3
92.5°	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3	13.4	12.5	11.4
95°	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3	13.4	12.5	19.1
97.5°	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7	33.6	38.5	51.5
100°	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3	110.2	136.1	135.4
102.5°	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8	168.7	173.6	173.2
105°	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1	295.0	295.0	294.6
110°	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2	335.8	336.3	335.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0	375.7	376.3	376.1
115°	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0	435.7	436.4	436.2
117.5°	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9	493.8	494.7	494.1
120°	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3	530.7	531.0	530.5
122.5°	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0	566.3	566.7	566.4
125°	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0	618.7	619.4	619.4
127.5°	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5	665.9	666.3	666.4
130°	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5	697.1	697.6	697.4
132.5°	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5	725.6	725.7	726.1
135°	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1	768.4	768.8	769.1
137.5°	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7	807.6	807.5	807.9
140°	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0	831.7	831.3	831.5
142.5°	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9	855.8	855.7	855.5
145°	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5	889.4	889.2	889.2
147.5°	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4	918.2	918.0	917.8
150°	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8	936.5	936.1	935.8
152.5°	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1	952.7	952.4	952.0
155°	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5	974.9	974.4	974.1
157.5°	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0	993.4	992.9	992.8
160°	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5	1004.8	1004.1	1004.0
162.5°	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1	1015.1	1014.2	1014.0
165°	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7	1028.7	1027.6	1027.4
167.5°	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0	1038.7	1037.5	1037.3
170°	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2	1043.9	1042.5	1042.3
172.5°	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3	1048.1	1046.8	1046.5
175°	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8	1052.5	1051.1	1050.9
177.5°	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7	1054.7	1053.7	1053.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	15.4	14.5	13.1	11.9	10.1	8.9	8.3	8.4	7.7	7.7	8.3
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0	11.1	10.1	9.1
95°	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6	44.1	43.5	43.0
97.5°	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1	94.0	94.9	95.9
100°	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6	131.1	131.6	132.2
102.5°	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8	169.4	170.1	170.7
105°	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9	230.6	231.3	232.0
107.5°	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4
110°	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7





TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5	373.9	374.3	374.8
115°	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7	432.6	433.4	434.3
117.5°	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9	491.9	491.8	491.8
120°	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4	529.3	529.1	528.9
122.5°	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6	563.3	563.9	564.6
125°	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9	615.1	616.3	617.6
127.5°	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9	663.7	664.6	665.5
130°	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9	693.8	694.6	695.5
132.5°	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9	723.9	724.9	725.9
135°	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6	766.7	767.7	768.8
137.5°	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9	805.8	806.7	807.6
140°	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5	830.9	831.2	831.6
142.5°	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7	853.9	854.1	854.3
145°	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6	888.0	888.3	888.7
147.5°	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3	917.3	917.2	917.1
150°	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	935.8	935.4	935.1
152.5°	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3	953.5	952.7	952.0
155°	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6	976.5	975.5	974.4
157.5°	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5	994.9	994.3	993.7
160°	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1	1007.0	1006.0	1004.9
162.5°	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1	1017.0	1016.0	1014.9
165°	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5	1030.5	1029.4	1028.4
167.5°	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5	1040.5	1039.4	1038.3
170°	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2	1045.9	1044.7	1043.5
172.5°	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9	1049.7	1048.5	1047.3
175°	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0	1053.9	1052.9	1051.9
177.5°	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9	1056.0	1055.2	1054.4
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	8.9	9.7	9.7	10.2	10.5	11.3	11.2	12.6	13.4	14.1	14.0
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3	15.1	16.0	16.7
92.5°	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3	15.1	16.0	16.5
95°	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3	15.1	16.0	16.4
97.5°	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7	23.8	18.9	16.4
100°	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3	58.4	32.5	19.2
102.5°	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8	158.9	154.0	145.7
105°	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1	295.1	295.1	294.9
110°	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2	334.7	334.2	334.0



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0	374.3	373.7	373.2
115°	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0	434.3	433.6	432.7
117.5°	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9	492.0	491.1	490.4
120°	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3	530.0	529.6	529.0
122.5°	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0	565.6	565.3	564.6
125°	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0	617.3	616.6	616.0
127.5°	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5	665.2	664.8	663.9
130°	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5	696.0	695.5	694.8
132.5°	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5	725.4	725.3	724.8
135°	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1	767.7	767.4	766.7
137.5°	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7	807.7	807.8	807.4
140°	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0	832.4	832.7	832.4
142.5°	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9	855.9	856.0	855.5
145°	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5	889.7	889.9	889.4
147.5°	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4	918.6	918.8	918.3
150°	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8	937.2	937.5	937.0
152.5°	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1	953.4	953.8	953.3
155°	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5	976.0	976.5	976.1
157.5°	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0	994.6	995.1	994.7
160°	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5	1006.2	1006.9	1006.6
162.5°	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1	1017.1	1018.0	1017.8
165°	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7	1030.7	1031.8	1031.6
167.5°	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0	1041.2	1042.5	1042.3
170°	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2	1046.6	1048.0	1047.9
172.5°	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3	1050.6	1051.9	1051.7
175°	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8	1055.2	1056.6	1056.5
177.5°	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7	1056.6	1057.6	1057.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	14.7	14.5	14.6	15.3	14.6	14.5	14.7	14.0	14.1	13.4	12.6
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3
92.5°	16.8	17.0	17.3	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3
95°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3
97.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7
100°	18.5	17.8	17.1	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3
102.5°	133.8	122.0	110.2	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8
105°	232.8	232.6	232.4	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0
107.5°	294.4	293.8	293.3	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1
110°	334.2	334.4	334.5	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	373.0	372.7	372.5	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0
115°	431.7	430.6	429.6	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0
117.5°	490.0	489.5	489.1	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9
120°	528.1	527.3	526.4	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3
122.5°	563.6	562.6	561.6	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0
125°	615.5	614.9	614.4	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0
127.5°	662.7	661.4	660.1	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5
130°	693.9	693.1	692.2	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5
132.5°	724.0	723.1	722.2	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5
135°	765.6	764.6	763.5	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1
137.5°	806.5	805.6	804.7	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7
140°	831.3	830.3	829.2	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0
142.5°	854.5	853.4	852.4	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9
145°	888.4	887.4	886.3	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5
147.5°	917.0	915.8	914.5	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4
150°	935.6	934.2	932.8	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8
152.5°	952.1	950.8	949.6	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1
155°	974.7	973.3	971.9	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5
157.5°	993.3	991.9	990.5	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0
160°	1005.2	1003.8	1002.4	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5
162.5°	1016.2	1014.7	1013.2	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1
165°	1030.2	1028.8	1027.4	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7
167.5°	1040.7	1039.2	1037.6	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0
170°	1046.4	1044.8	1043.2	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2
172.5°	1050.1	1048.6	1047.0	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3
175°	1055.0	1053.4	1051.9	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8
177.5°	1056.4	1055.3	1054.2	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	11.2	11.3	10.5	10.2	9.7	9.7	8.9	8.3	7.7	7.7	8.4
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	13.4	12.5	11.4	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0
95°	13.4	12.5	19.1	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6
97.5°	33.6	38.5	51.5	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1
100°	110.2	136.1	135.4	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6
102.5°	168.7	173.6	173.2	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8
105°	233.0	233.0	233.0	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9
107.5°	295.0	295.0	294.6	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4
110°	335.8	336.3	335.9	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	376.3	376.1	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5
115°	435.7	436.4	436.2	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7
117.5°	493.8	494.7	494.1	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9
120°	530.7	531.0	530.5	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4
122.5°	566.3	566.7	566.4	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6
125°	618.7	619.4	619.4	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9
127.5°	665.9	666.3	666.4	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9
130°	697.1	697.6	697.4	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9
132.5°	725.6	725.7	726.1	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9
135°	768.4	768.8	769.1	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6
137.5°	807.6	807.5	807.9	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9
140°	831.7	831.3	831.5	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5
142.5°	855.8	855.7	855.5	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7
145°	889.4	889.2	889.2	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6
147.5°	918.2	918.0	917.8	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3
150°	936.5	936.1	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1
152.5°	952.7	952.4	952.0	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3
155°	974.9	974.4	974.1	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6
157.5°	993.4	992.9	992.8	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5
160°	1004.8	1004.1	1004.0	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1
162.5°	1015.1	1014.2	1014.0	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1
165°	1028.7	1027.6	1027.4	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5
167.5°	1038.7	1037.5	1037.3	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5
170°	1043.9	1042.5	1042.3	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2
172.5°	1048.1	1046.8	1046.5	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9
175°	1052.5	1051.1	1050.9	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0
177.5°	1054.7	1053.7	1053.6	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333178

CATALOG NUMBER: S125DIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.3	8.9	10.1	11.9	13.1	14.5	15.4	15.0	14.1	13.3	12.6
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3
92.5°	11.1	10.1	9.1	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3
95°	44.1	43.5	43.0	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3
97.5°	94.0	94.9	95.9	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7
100°	131.1	131.6	132.2	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3
102.5°	169.4	170.1	170.7	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8
105°	230.6	231.3	232.0	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.4	293.4	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1
110°	334.7	334.7	334.7	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.9	374.3	374.8	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0
115°	432.6	433.4	434.3	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0
117.5°	491.9	491.8	491.8	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9
120°	529.3	529.1	528.9	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3
122.5°	563.3	563.9	564.6	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0
125°	615.1	616.3	617.6	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0
127.5°	663.7	664.6	665.5	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5
130°	693.8	694.6	695.5	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5
132.5°	723.9	724.9	725.9	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5
135°	766.7	767.7	768.8	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1
137.5°	805.8	806.7	807.6	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7
140°	830.9	831.2	831.6	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0
142.5°	853.9	854.1	854.3	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9
145°	888.0	888.3	888.7	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5
147.5°	917.3	917.2	917.1	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4
150°	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8
152.5°	953.5	952.7	952.0	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1
155°	976.5	975.5	974.4	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5
157.5°	994.9	994.3	993.7	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0
160°	1007.0	1006.0	1004.9	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5
162.5°	1017.0	1016.0	1014.9	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1
165°	1030.5	1029.4	1028.4	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7
167.5°	1040.5	1039.4	1038.3	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0
170°	1045.9	1044.7	1043.5	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2
172.5°	1049.7	1048.5	1047.3	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3
175°	1053.9	1052.9	1051.9	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8
177.5°	1056.0	1055.2	1054.4	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	12.7	11.7	11.8	11.6	11.8	11.6	11.0
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	15.1	16.0	16.5	16.8	17.0	17.3	17.5
95°	15.1	16.0	16.4	16.4	16.4	16.4	16.4
97.5°	23.8	18.9	16.4	16.4	16.4	16.4	16.4
100°	58.4	32.5	19.2	18.5	17.8	17.1	16.4
102.5°	158.9	154.0	145.7	133.8	122.0	110.2	98.4
105°	233.0	233.0	233.0	232.8	232.6	232.4	232.3
107.5°	295.1	295.1	294.9	294.4	293.8	293.3	292.8
110°	334.7	334.2	334.0	334.2	334.4	334.5	334.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	374.3	373.7	373.2	373.0	372.7	372.5	372.3
115°	434.3	433.6	432.7	431.7	430.6	429.6	428.6
117.5°	492.0	491.1	490.4	490.0	489.5	489.1	488.6
120°	530.0	529.6	529.0	528.1	527.3	526.4	525.5
122.5°	565.6	565.3	564.6	563.6	562.6	561.6	560.6
125°	617.3	616.6	616.0	615.5	614.9	614.4	613.9
127.5°	665.2	664.8	663.9	662.7	661.4	660.1	658.8
130°	696.0	695.5	694.8	693.9	693.1	692.2	691.3
132.5°	725.4	725.3	724.8	724.0	723.1	722.2	721.4
135°	767.7	767.4	766.7	765.6	764.6	763.5	762.5
137.5°	807.7	807.8	807.4	806.5	805.6	804.7	803.8
140°	832.4	832.7	832.4	831.3	830.3	829.2	828.2
142.5°	855.9	856.0	855.5	854.5	853.4	852.4	851.3
145°	889.7	889.9	889.4	888.4	887.4	886.3	885.3
147.5°	918.6	918.8	918.3	917.0	915.8	914.5	913.3
150°	937.2	937.5	937.0	935.6	934.2	932.8	931.4
152.5°	953.4	953.8	953.3	952.1	950.8	949.6	948.3
155°	976.0	976.5	976.1	974.7	973.3	971.9	970.5
157.5°	994.6	995.1	994.7	993.3	991.9	990.5	989.1
160°	1006.2	1006.9	1006.6	1005.2	1003.8	1002.4	1001.0
162.5°	1017.1	1018.0	1017.8	1016.2	1014.7	1013.2	1011.7
165°	1030.7	1031.8	1031.6	1030.2	1028.8	1027.4	1026.0
167.5°	1041.2	1042.5	1042.3	1040.7	1039.2	1037.6	1036.1
170°	1046.6	1048.0	1047.9	1046.4	1044.8	1043.2	1041.7
172.5°	1050.6	1051.9	1051.7	1050.1	1048.6	1047.0	1045.4
175°	1055.2	1056.6	1056.5	1055.0	1053.4	1051.9	1050.3
177.5°	1056.6	1057.6	1057.6	1056.4	1055.3	1054.2	1053.1
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0

(END OF REPORT)