

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: P331663-935

Luminaire Tested: **SA2XXRDIP-C485D925U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331663-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

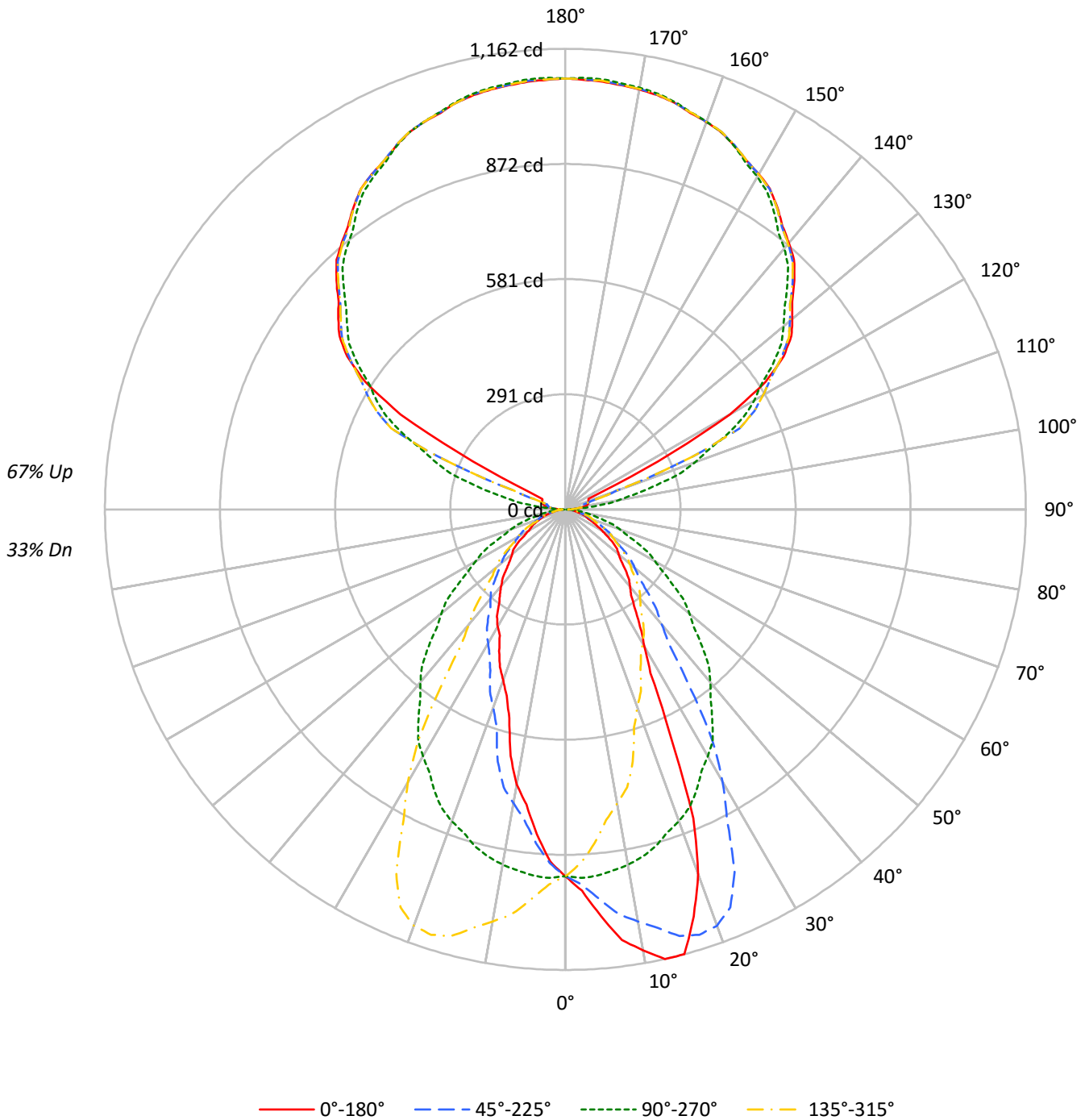
Lumens per Lamp: N/A
Luminaire Lumens: 4786.6 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33									33																			
1	95	91	87	84	85	82	79	76	66	64	62	51	49	48	37	36	35	29									29																			
2	87	80	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25									25																			
3	79	70	64	58	71	64	58	54	52	48	44	40	38	35	30	28	27	22									22																			
4	73	63	55	50	66	57	51	46	46	42	38	36	33	31	27	25	24	20									20																			
5	67	56	48	43	60	51	45	40	42	37	33	33	30	27	25	23	21	17									17																			
6	62	50	43	37	56	46	39	35	38	33	29	30	27	24	23	20	19	16									16																			
7	57	46	38	33	52	42	35	31	34	29	26	27	24	21	21	19	17	14									14																			
8	53	42	34	29	48	38	32	27	31	27	23	25	22	19	19	17	15	13									13																			
9	50	38	31	26	45	35	29	24	29	24	21	23	20	17	18	16	14	12									12																			
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	14	13	11									11																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14941	14941	14941	14941
5°	16686	15034	13331	15034
10°	18513	14929	11555	14929
15°	19423	14710	9105	14710
20°	16838	14385	7878	14385
25°	11043	13942	7035	13942
30°	7433	13403	6367	13403
35°	6022	12727	5742	12727
40°	5354	11989	5313	11989
45°	4845	11125	4743	11125
50°	4411	10263	4393	10263
55°	4144	9315	4090	9315
60°	3468	8441	3426	8441
65°	2923	7664	3316	7664
70°	2705	6845	3125	6845
75°	2533	5958	2888	5958
80°	2334	4900	2566	4900
85°	2130	3872	2260	3872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	1.8
10°-20°	244.4	5.1
20°-30°	315.0	6.6
30°-40°	299.3	6.3
40°-50°	256.4	5.4
50°-60°	195.3	4.1
60°-70°	123.4	2.6
70°-80°	61.6	1.3
80°-90°	18.7	0.4
90°-100°	36.2	0.8
100°-110°	132.9	2.8
110°-120°	355.3	7.4
120°-130°	586.6	12.3
130°-140°	623.8	13.0
140°-150°	579.8	12.1
150°-160°	466.2	9.7
160°-170°	300.4	6.3
170°-180°	103.4	2.2
0°-30°	647.1	13.5
0°-40°	946.4	19.8
0°-60°	1398.1	29.2
0°-90°	1601.9	33.5
90°-120°	524.5	11.0
90°-150°	2314.7	48.4
90°-180°	3185.0	66.5
0°-180°	4786.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1030	928	822	928	1030	102
15°	1162	880	545	880	1162	313
25°	620	783	395	783	620	294
35°	306	646	291	646	306	195
45°	212	487	208	487	212	164
55°	147	331	145	331	147	129
65°	76	201	87	201	76	78
75°	41	96	46	96	41	43
85°	12	21	12	21	12	13
90°	21	1	21	1	21	10
95°	34	51	34	51	34	32
105°	60	239	60	239	60	62
115°	64	452	64	452	64	162
125°	672	639	672	639	672	582
135°	817	791	817	791	817	630
145°	932	918	932	918	932	583
155°	1011	1010	1011	1010	1011	467
165°	1062	1065	1062	1065	1062	300
175°	1083	1089	1083	1089	1083	103
180°	1087	1087	1087	1087	1087	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	962.9	963.7	964.5	962.7	962.7	961.1	957.8	955.2	948.0	946.9	946.9
5°	1029.5	1028.9	1030.2	1026.0	1020.2	1018.9	1012.8	1004.8	996.4	987.1	985.2
7.5°	1095.8	1094.8	1092.3	1091.5	1087.1	1077.4	1067.6	1057.0	1043.2	1029.6	1022.8
10°	1129.2	1139.8	1133.4	1122.1	1124.4	1109.3	1101.2	1087.4	1075.8	1055.6	1051.1
12.5°	1162.1	1166.3	1164.2	1157.9	1155.0	1144.5	1133.7	1121.6	1100.3	1082.1	1066.3
15°	1162.0	1168.1	1169.8	1167.8	1169.4	1168.7	1163.0	1153.0	1134.4	1114.4	1097.1
17.5°	1076.2	1080.5	1091.0	1098.1	1107.2	1126.2	1135.6	1139.3	1136.4	1125.1	1112.8
20°	980.0	972.9	1002.5	1017.6	1030.5	1062.6	1090.3	1100.9	1117.9	1117.7	1114.4
22.5°	843.7	845.3	873.4	891.3	928.9	961.0	992.6	1032.5	1065.5	1087.3	1100.0
25°	619.9	632.1	660.1	684.5	726.3	786.2	840.5	903.5	962.9	1010.0	1054.6
27.5°	465.5	466.5	488.6	511.3	536.1	585.0	653.5	728.8	813.6	883.5	964.0
30°	398.7	396.7	406.1	419.9	441.2	479.1	530.5	604.5	689.1	794.5	888.4
32.5°	351.4	351.5	358.5	368.8	386.3	411.9	447.2	507.2	587.2	690.9	800.9
35°	305.5	305.1	310.3	317.7	325.0	341.5	365.6	397.1	452.1	548.9	661.4
37.5°	272.5	274.0	276.5	281.1	289.2	298.3	312.9	334.0	373.2	430.4	525.0
40°	254.0	254.7	258.2	262.1	266.9	274.0	285.9	302.9	331.5	377.1	446.3
42.5°	237.0	237.6	240.2	243.7	247.5	254.7	264.5	279.2	302.5	338.0	395.1
45°	212.2	212.2	214.5	216.0	220.2	226.7	234.7	246.9	263.0	289.4	327.4
47.5°	188.9	189.0	190.5	193.2	195.9	200.9	208.8	218.8	230.5	250.9	283.3
50°	175.6	175.9	176.8	179.1	180.7	185.2	191.3	200.0	212.2	228.0	254.9
52.5°	164.7	164.5	165.7	166.8	167.8	171.1	175.6	183.3	194.2	207.9	230.3
55°	147.2	145.9	147.9	149.5	150.5	151.8	154.3	159.2	168.5	180.0	196.7
57.5°	125.4	124.8	126.2	127.7	130.7	134.2	136.4	139.5	144.3	152.6	169.2
60°	107.4	107.4	110.3	111.2	114.8	119.2	123.8	126.4	131.2	136.6	148.9
62.5°	91.4	91.7	93.1	94.0	96.0	101.5	107.9	113.5	118.0	123.3	131.4
65°	76.5	77.1	77.1	77.8	79.1	80.4	82.9	87.5	95.5	102.9	109.0
67.5°	64.9	65.2	65.3	66.0	66.3	67.7	68.7	70.8	72.6	79.6	87.2
70°	57.3	58.2	57.9	58.5	58.8	59.5	60.8	61.7	64.7	66.2	70.8
72.5°	50.0	50.7	50.7	51.1	51.9	52.0	53.0	54.0	55.9	57.3	59.7
75°	40.6	40.2	40.6	41.2	41.5	41.8	41.8	43.0	44.1	45.4	46.9
77.5°	31.3	31.6	31.5	31.6	31.6	32.2	32.1	32.7	33.7	34.4	35.1
80°	25.1	25.4	25.1	25.4	25.7	26.0	25.7	26.0	27.0	27.6	27.6
82.5°	19.5	19.5	19.7	19.7	19.8	19.9	20.3	20.4	21.1	20.9	21.2
85°	11.5	11.3	11.3	11.3	11.5	11.9	11.5	11.5	11.9	11.9	11.9
87.5°	8.4	8.5	8.4	8.4	8.4	8.2	8.0	8.1	7.7	7.7	7.2
90°	21.3	20.9	20.5	20.1	19.8	19.2	18.3	17.5	16.6	15.8	14.3
92.5°	21.3	21.0	20.8	20.6	20.4	20.1	19.6	19.1	18.7	18.3	17.6
95°	33.8	34.0	34.2	34.4	34.5	34.2	33.3	32.4	31.5	30.7	29.4
97.5°	45.1	44.9	44.7	44.5	44.3	43.8	43.1	42.4	41.8	41.1	38.2
100°	52.7	52.3	52.0	51.7	51.3	50.5	49.0	47.6	46.2	44.9	41.8
102.5°	56.5	56.0	55.4	55.0	54.5	53.4	51.6	49.7	47.9	46.1	40.9
105°	59.8	59.1	58.4	57.7	57.0	55.6	53.7	51.8	49.9	48.0	45.7
107.5°	61.5	60.8	60.1	59.4	58.7	59.3	61.3	63.2	65.2	67.2	124.3
110°	62.2	61.4	60.7	60.0	59.3	67.7	85.2	102.6	120.1	137.6	188.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	62.8	62.2	61.6	61.0	60.5	92.1	155.8	219.6	283.4	347.1	359.6
115°	64.5	77.1	89.6	102.2	114.8	161.5	242.5	323.4	404.2	485.2	480.8
117.5°	263.3	304.6	345.9	387.3	428.6	459.1	478.7	498.3	517.8	537.4	534.4
120°	479.7	503.3	526.8	550.4	574.0	584.8	582.7	580.6	578.5	576.4	573.3
122.5°	598.6	603.1	607.7	612.3	616.9	618.5	617.3	616.0	614.8	613.5	610.1
125°	672.4	671.8	671.2	670.7	670.2	669.3	668.1	666.9	665.7	664.4	661.2
127.5°	718.8	718.8	718.7	718.6	718.4	717.6	715.7	713.9	712.1	710.4	707.9
130°	747.8	748.0	748.1	748.4	748.6	747.6	745.7	743.8	741.8	739.9	738.0
132.5°	776.1	776.3	776.4	776.6	776.8	776.1	774.5	772.8	771.2	769.5	767.6
135°	817.0	817.3	817.7	818.0	818.4	817.7	816.0	814.2	812.4	810.7	809.2
137.5°	854.3	854.9	855.5	856.1	856.7	856.1	854.4	852.6	850.9	849.3	847.5
140°	877.5	878.5	879.3	880.2	881.1	880.7	879.2	877.5	876.0	874.4	872.5
142.5°	900.2	901.1	902.0	902.8	903.7	903.4	902.0	900.5	899.1	897.7	895.5
145°	931.9	932.7	933.6	934.4	935.3	935.1	933.9	932.7	931.4	930.2	927.3
147.5°	959.7	960.4	961.1	961.8	962.6	962.5	961.6	960.7	959.8	958.9	956.0
150°	976.6	977.5	978.4	979.3	980.2	980.1	979.0	977.9	976.9	975.9	973.1
152.5°	991.1	992.3	993.4	994.5	995.7	995.7	994.7	993.7	992.6	991.6	988.9
155°	1011.2	1012.6	1014.0	1015.5	1016.8	1017.0	1016.0	1014.9	1013.8	1012.8	1010.7
157.5°	1029.7	1031.0	1032.3	1033.7	1035.1	1035.2	1034.0	1032.8	1031.7	1030.4	1029.0
160°	1040.3	1041.6	1042.8	1044.0	1045.3	1045.3	1044.3	1043.2	1042.2	1041.1	1040.1
162.5°	1049.1	1050.7	1052.1	1053.7	1055.2	1055.3	1054.1	1052.9	1051.7	1050.6	1049.6
165°	1062.4	1063.6	1064.8	1066.0	1067.2	1067.2	1066.0	1064.8	1063.6	1062.4	1061.9
167.5°	1070.7	1072.3	1073.8	1075.4	1076.9	1077.2	1075.9	1074.7	1073.5	1072.3	1071.8
170°	1075.7	1077.3	1078.8	1080.5	1082.0	1082.2	1081.0	1079.8	1078.5	1077.3	1076.9
172.5°	1079.5	1081.1	1082.6	1084.2	1085.8	1086.0	1084.8	1083.5	1082.3	1081.1	1080.7
175°	1082.8	1084.5	1086.3	1088.0	1089.8	1090.0	1088.8	1087.6	1086.4	1085.1	1084.8
177.5°	1084.9	1086.1	1087.4	1088.6	1089.9	1090.0	1089.1	1088.0	1087.1	1086.1	1086.0
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	947.4	945.5	943.7	939.0	936.7	931.5	930.7	930.5	923.9	917.4	915.6
5°	980.0	974.9	967.2	958.1	948.8	939.2	932.7	927.6	914.7	902.5	895.4
7.5°	1012.8	1001.8	988.4	971.4	957.2	941.2	929.4	918.8	900.5	883.0	871.2
10°	1037.2	1019.3	1001.6	978.1	959.8	941.8	925.1	910.6	890.0	866.9	850.4
12.5°	1052.4	1032.6	1008.2	985.3	961.6	938.7	916.3	897.7	873.6	849.6	830.1
15°	1073.0	1051.7	1022.2	989.4	958.8	928.9	903.2	880.0	848.5	819.9	796.1
17.5°	1089.8	1060.5	1028.7	990.8	955.5	917.5	884.3	854.7	819.7	785.1	757.2
20°	1095.1	1066.2	1029.5	991.6	949.8	905.1	869.4	837.2	799.6	762.0	729.9
22.5°	1091.7	1069.3	1028.5	983.1	940.3	893.5	853.3	815.9	774.2	735.8	698.5
25°	1069.1	1061.4	1022.8	973.3	924.4	870.0	823.5	782.6	735.0	693.9	653.3
27.5°	1016.2	1032.9	1008.9	956.1	901.8	843.5	791.2	744.7	695.3	648.9	608.6
30°	965.3	1003.5	993.2	944.3	883.6	826.3	767.5	718.9	666.2	618.6	578.8
32.5°	895.5	958.7	968.8	927.9	865.0	802.1	740.5	692.2	637.1	586.9	548.1
35°	784.5	879.1	922.5	896.4	833.4	765.6	701.9	645.7	590.3	540.8	502.2
37.5°	652.1	780.8	853.3	855.1	797.2	726.7	657.4	601.5	544.8	496.3	454.5
40°	566.2	705.8	800.0	820.9	772.0	695.8	625.7	568.8	513.5	465.9	418.0
42.5°	489.0	628.1	743.9	780.2	741.4	665.7	595.4	535.9	482.1	437.0	388.1
45°	395.5	517.0	644.6	709.6	688.1	617.9	543.7	487.2	436.6	397.7	350.8
47.5°	333.6	419.3	542.8	630.7	630.3	566.3	493.3	439.0	392.2	355.8	317.7
50°	298.3	373.0	477.5	577.1	585.5	531.8	462.4	408.6	365.0	326.7	296.1
52.5°	266.7	328.2	422.1	517.7	541.5	495.0	427.7	378.1	335.6	300.4	274.2
55°	225.4	272.9	344.4	433.8	469.8	437.0	377.1	330.9	296.4	266.9	244.4
57.5°	190.6	226.4	283.6	355.6	397.5	376.9	327.6	290.0	260.5	233.8	216.0
60°	168.8	198.0	246.6	306.8	353.0	338.5	296.4	261.4	236.3	213.2	196.5
62.5°	148.3	173.4	215.0	263.8	306.3	300.2	265.9	236.4	214.5	193.4	179.3
65°	119.2	137.6	170.0	208.4	242.5	245.3	220.6	200.6	181.0	164.3	151.8
67.5°	95.0	106.9	129.8	162.0	187.6	196.7	181.6	166.3	150.8	137.8	127.0
70°	80.1	89.7	106.4	132.5	155.9	165.6	156.9	145.0	131.5	120.9	111.6
72.5°	64.9	74.3	86.6	105.7	125.9	136.3	133.3	124.7	113.7	105.0	96.2
75°	48.9	51.7	60.1	73.0	88.8	97.7	100.0	95.5	86.8	80.1	74.9
77.5°	36.2	37.9	41.8	48.6	58.9	66.9	70.3	69.7	63.7	59.8	55.0
80°	28.9	29.9	31.9	34.7	42.4	50.5	52.7	52.7	48.6	46.9	42.1
82.5°	22.0	22.7	23.8	25.5	29.1	36.1	38.6	39.1	36.4	34.4	30.6
85°	12.6	12.2	12.8	13.9	14.5	16.4	20.2	20.9	20.2	17.7	16.7
87.5°	7.0	7.0	6.6	6.0	5.9	5.9	6.7	7.6	7.0	6.5	6.5
90°	12.9	11.5	10.2	8.4	6.5	4.6	2.7	0.8	2.7	4.6	6.5
92.5°	16.9	16.2	15.4	15.2	15.3	15.5	15.7	15.8	15.7	15.5	15.3
95°	28.2	27.0	25.7	28.1	33.8	39.6	45.4	51.1	45.4	39.6	33.8
97.5°	35.4	32.5	29.7	36.4	52.7	69.0	85.2	101.4	85.2	69.0	52.7
100°	38.9	35.9	33.0	43.4	67.3	91.3	115.2	139.2	115.2	91.3	67.3
102.5°	95.7	120.6	145.5	160.4	165.5	170.6	175.6	180.7	175.6	170.6	165.5
105°	143.4	191.1	238.8	260.0	254.8	249.5	244.3	239.0	244.3	249.5	254.8
107.5°	181.6	238.8	296.0	322.5	318.2	314.0	309.8	305.6	309.8	314.0	318.2
110°	238.6	289.1	339.6	363.0	359.4	355.7	352.1	348.4	352.1	355.7	359.4



TEST NUMBER: P331663-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	372.0	384.5	397.0	401.6	398.4	395.1	391.8	388.6	391.8	395.1	398.4
115°	476.5	472.1	467.7	464.0	461.1	458.1	455.1	452.1	455.1	458.1	461.1
117.5°	531.4	528.4	525.4	522.2	518.9	515.6	512.2	508.9	512.2	515.6	518.9
120°	570.1	567.0	563.8	560.9	558.3	555.7	553.0	550.4	553.0	555.7	558.3
122.5°	606.7	603.2	599.8	596.7	593.9	591.2	588.4	585.7	588.4	591.2	593.9
125°	657.8	654.5	651.2	648.4	646.1	643.9	641.5	639.3	641.5	643.9	646.1
127.5°	705.4	702.9	700.4	697.9	695.4	692.9	690.4	687.9	690.4	692.9	695.4
130°	736.1	734.2	732.3	729.9	727.1	724.3	721.5	718.8	721.5	724.3	727.1
132.5°	765.7	763.8	761.8	759.7	757.3	754.9	752.5	750.2	752.5	754.9	757.3
135°	807.6	806.0	804.4	802.3	799.4	796.7	793.8	791.1	793.8	796.7	799.4
137.5°	845.7	843.9	842.1	840.2	838.3	836.4	834.4	832.4	834.4	836.4	838.3
140°	870.6	868.7	866.8	865.0	863.7	862.3	860.9	859.5	860.9	862.3	863.7
142.5°	893.3	891.0	888.9	887.2	885.9	884.7	883.4	882.1	883.4	884.7	885.9
145°	924.3	921.4	918.3	917.0	917.1	917.3	917.5	917.7	917.5	917.3	917.1
147.5°	953.0	950.0	947.1	946.0	946.7	947.4	948.0	948.6	948.0	947.4	946.7
150°	970.3	967.5	964.7	963.9	965.1	966.3	967.6	968.8	967.6	966.3	965.1
152.5°	986.3	983.6	980.9	980.3	981.7	983.0	984.4	985.8	984.4	983.0	981.7
155°	1008.7	1006.5	1004.4	1004.2	1005.7	1007.3	1008.9	1010.5	1008.9	1007.3	1005.7
157.5°	1027.5	1026.1	1024.6	1024.5	1025.8	1027.2	1028.5	1029.8	1028.5	1027.2	1025.8
160°	1039.1	1037.9	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1	1040.1	1039.1	1037.9
162.5°	1048.7	1047.8	1046.9	1047.0	1048.0	1049.1	1050.2	1051.2	1050.2	1049.1	1048.0
165°	1061.3	1060.8	1060.2	1060.5	1061.5	1062.6	1063.7	1064.7	1063.7	1062.6	1061.5
167.5°	1071.3	1070.8	1070.3	1070.6	1071.6	1072.7	1073.8	1074.8	1073.8	1072.7	1071.6
170°	1076.6	1076.2	1075.9	1076.2	1077.3	1078.3	1079.3	1080.5	1079.3	1078.3	1077.3
172.5°	1080.4	1080.0	1079.7	1080.0	1081.1	1082.1	1083.1	1084.2	1083.1	1082.1	1081.1
175°	1084.4	1084.1	1083.7	1084.2	1085.4	1086.7	1087.9	1089.1	1087.9	1086.7	1085.4
177.5°	1085.8	1085.7	1085.5	1086.0	1086.9	1088.0	1088.9	1089.9	1088.9	1088.0	1086.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331663-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	912.2	910.4	907.1	902.0	898.9	893.5	889.8	891.9	892.4	891.9	891.4
5°	887.8	881.0	871.7	862.6	854.3	845.3	840.2	837.9	833.4	830.9	829.6
7.5°	858.1	846.4	833.3	817.6	804.3	790.3	783.2	779.6	770.4	765.4	761.0
10°	835.9	817.6	804.4	783.9	771.4	753.0	740.5	740.8	728.2	721.2	716.0
12.5°	811.6	791.4	769.5	751.0	733.6	718.8	703.7	697.6	684.2	677.4	663.6
15°	771.0	747.5	724.4	699.3	681.7	658.8	637.0	610.3	588.8	570.1	564.9
17.5°	726.8	697.8	674.5	645.1	614.8	576.4	551.0	535.5	522.5	512.7	505.4
20°	696.5	666.8	642.1	597.7	556.9	530.8	512.2	500.3	486.8	476.2	470.4
22.5°	664.5	633.7	599.9	550.4	518.6	497.7	481.0	467.4	458.2	450.0	444.7
25°	619.2	585.5	529.9	495.8	470.1	448.2	436.6	428.3	418.6	407.3	402.3
27.5°	571.4	517.7	477.8	452.5	427.9	413.7	403.3	390.8	382.2	377.1	371.8
30°	535.6	482.0	450.8	423.1	405.8	390.0	377.8	370.7	362.4	353.7	350.2
32.5°	495.8	452.9	423.0	400.0	382.4	368.9	359.3	347.8	341.8	336.5	329.1
35°	446.3	413.8	386.5	367.8	351.1	340.2	328.9	322.2	311.3	306.8	303.8
37.5°	404.3	376.2	355.8	336.1	322.9	310.8	303.9	293.2	288.4	282.1	276.0
40°	380.6	353.0	333.5	317.4	302.6	293.5	284.9	276.2	269.1	266.2	258.8
42.5°	356.5	334.0	314.4	296.8	286.9	277.3	266.4	260.0	252.6	248.0	243.4
45°	323.1	303.2	286.5	272.0	261.1	251.2	244.0	233.4	229.3	219.9	216.0
47.5°	293.8	275.3	259.3	245.6	234.9	228.4	218.1	209.7	203.1	197.3	192.4
50°	272.9	257.5	242.1	229.9	220.2	210.9	200.4	196.1	185.8	183.0	180.0
52.5°	253.9	239.3	225.2	213.2	203.5	194.5	185.1	179.7	172.7	169.8	167.7
55°	227.3	213.2	199.7	189.1	179.4	170.0	164.3	157.6	154.3	152.1	149.5
57.5°	200.5	187.9	177.5	166.8	157.0	149.6	142.9	138.9	135.5	132.6	129.5
60°	183.6	171.3	162.0	152.1	142.2	136.0	130.9	126.1	122.2	117.7	116.4
62.5°	165.6	154.9	146.4	136.6	127.9	122.3	117.5	113.0	108.3	101.8	100.0
65°	140.9	132.5	123.5	115.5	107.7	102.3	95.1	90.1	88.1	87.5	87.1
67.5°	118.5	110.6	102.8	94.6	87.6	82.5	78.9	78.1	76.8	76.4	75.5
70°	103.5	96.2	88.4	80.7	74.0	73.0	71.7	70.4	68.8	68.2	67.5
72.5°	90.1	82.5	74.8	68.6	65.7	64.5	63.2	61.9	60.9	60.2	59.8
75°	69.1	62.1	56.9	54.7	53.0	52.1	50.2	49.2	48.6	47.6	47.3
77.5°	49.8	45.8	43.4	42.0	40.3	39.3	38.2	37.2	36.5	36.3	35.8
80°	38.0	36.0	34.4	32.5	31.9	30.6	30.2	29.3	29.6	28.6	28.6
82.5°	29.4	27.0	25.7	24.8	24.1	23.1	22.7	22.3	22.4	21.7	21.7
85°	15.2	14.5	13.9	13.2	13.2	12.2	12.6	12.2	12.2	11.5	11.3
87.5°	6.5	6.6	6.5	6.7	7.0	7.0	7.1	7.1	7.2	7.4	7.3
90°	8.4	10.2	11.5	12.9	14.3	15.8	16.6	17.5	18.3	19.2	19.8
92.5°	15.2	15.4	16.2	16.9	17.6	18.3	18.7	19.1	19.6	20.1	20.4
95°	28.1	25.7	27.0	28.2	29.4	30.7	31.5	32.4	33.3	34.2	34.5
97.5°	36.4	29.7	32.5	35.4	38.2	41.1	41.8	42.4	43.1	43.8	44.3
100°	43.4	33.0	35.9	38.9	41.8	44.9	46.2	47.6	49.0	50.5	51.3
102.5°	160.4	145.5	120.6	95.7	70.9	46.1	47.9	49.7	51.6	53.4	54.5
105°	260.0	238.8	191.1	143.4	95.7	48.0	49.9	51.8	53.7	55.6	57.0
107.5°	322.5	296.0	238.8	181.6	124.3	67.2	65.2	63.2	61.3	59.3	58.7
110°	363.0	339.6	289.1	238.6	188.1	137.6	120.1	102.6	85.2	67.7	59.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	401.6	397.0	384.5	372.0	359.6	347.1	283.4	219.6	155.8	92.1	60.5
115°	464.0	467.7	472.1	476.5	480.8	485.2	404.2	323.4	242.5	161.5	114.8
117.5°	522.2	525.4	528.4	531.4	534.4	537.4	517.8	498.3	478.7	459.1	428.6
120°	560.9	563.8	567.0	570.1	573.3	576.4	578.5	580.6	582.7	584.8	574.0
122.5°	596.7	599.8	603.2	606.7	610.1	613.5	614.8	616.0	617.3	618.5	616.9
125°	648.4	651.2	654.5	657.8	661.2	664.4	665.7	666.9	668.1	669.3	670.2
127.5°	697.9	700.4	702.9	705.4	707.9	710.4	712.1	713.9	715.7	717.6	718.4
130°	729.9	732.3	734.2	736.1	738.0	739.9	741.8	743.8	745.7	747.6	748.6
132.5°	759.7	761.8	763.8	765.7	767.6	769.5	771.2	772.8	774.5	776.1	776.8
135°	802.3	804.4	806.0	807.6	809.2	810.7	812.4	814.2	816.0	817.7	818.4
137.5°	840.2	842.1	843.9	845.7	847.5	849.3	850.9	852.6	854.4	856.1	856.7
140°	865.0	866.8	868.7	870.6	872.5	874.4	876.0	877.5	879.2	880.7	881.1
142.5°	887.2	888.9	891.0	893.3	895.5	897.7	899.1	900.5	902.0	903.4	903.7
145°	917.0	918.3	921.4	924.3	927.3	930.2	931.4	932.7	933.9	935.1	935.3
147.5°	946.0	947.1	950.0	953.0	956.0	958.9	959.8	960.7	961.6	962.5	962.6
150°	963.9	964.7	967.5	970.3	973.1	975.9	976.9	977.9	979.0	980.1	980.2
152.5°	980.3	980.9	983.6	986.3	988.9	991.6	992.6	993.7	994.7	995.7	995.7
155°	1004.2	1004.4	1006.5	1008.7	1010.7	1012.8	1013.8	1014.9	1016.0	1017.0	1016.8
157.5°	1024.5	1024.6	1026.1	1027.5	1029.0	1030.4	1031.7	1032.8	1034.0	1035.2	1035.1
160°	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1	1042.2	1043.2	1044.3	1045.3	1045.3
162.5°	1047.0	1046.9	1047.8	1048.7	1049.6	1050.6	1051.7	1052.9	1054.1	1055.3	1055.2
165°	1060.5	1060.2	1060.8	1061.3	1061.9	1062.4	1063.6	1064.8	1066.0	1067.2	1067.2
167.5°	1070.6	1070.3	1070.8	1071.3	1071.8	1072.3	1073.5	1074.7	1075.9	1077.2	1076.9
170°	1076.2	1075.9	1076.2	1076.6	1076.9	1077.3	1078.5	1079.8	1081.0	1082.2	1082.0
172.5°	1080.0	1079.7	1080.0	1080.4	1080.7	1081.1	1082.3	1083.5	1084.8	1086.0	1085.8
175°	1084.2	1083.7	1084.1	1084.4	1084.8	1085.1	1086.4	1087.6	1088.8	1090.0	1089.8
177.5°	1086.0	1085.5	1085.7	1085.8	1086.0	1086.1	1087.1	1088.0	1089.1	1090.0	1089.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331663-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	888.6	889.1	888.3	888.8	888.3	889.1	888.6	891.4	891.9	892.4	891.9
5°	827.9	824.1	823.5	822.5	823.5	824.1	827.9	829.6	830.9	833.4	837.9
7.5°	755.5	754.9	753.4	751.1	753.4	754.9	755.5	761.0	765.4	770.4	779.6
10°	708.9	707.4	707.1	704.8	707.1	707.4	708.9	716.0	721.2	728.2	740.8
12.5°	654.4	644.1	643.0	637.4	643.0	644.1	654.4	663.6	677.4	684.2	697.6
15°	557.2	555.3	548.9	544.7	548.9	555.3	557.2	564.9	570.1	588.8	610.3
17.5°	501.6	495.3	493.4	492.5	493.4	495.3	501.6	505.4	512.7	522.5	535.5
20°	465.9	460.1	459.2	458.5	459.2	460.1	465.9	470.4	476.2	486.8	500.3
22.5°	441.2	435.1	432.7	430.8	432.7	435.1	441.2	444.7	450.0	458.2	467.4
25°	399.0	396.7	395.5	394.9	395.5	396.7	399.0	402.3	407.3	418.6	428.3
27.5°	366.0	361.1	360.1	358.4	360.1	361.1	366.0	371.8	377.1	382.2	390.8
30°	347.2	345.6	343.4	341.5	343.4	345.6	347.2	350.2	353.7	362.4	370.7
32.5°	325.1	323.8	321.8	320.9	321.8	323.8	325.1	329.1	336.5	341.8	347.8
35°	300.7	296.1	294.2	291.3	294.2	296.1	300.7	303.8	306.8	311.3	322.2
37.5°	274.7	272.3	269.7	270.6	269.7	272.3	274.7	276.0	282.1	288.4	293.2
40°	254.7	253.0	252.4	252.1	252.4	253.0	254.7	258.8	266.2	269.1	276.2
42.5°	238.7	234.3	232.6	232.6	232.6	234.3	238.7	243.4	248.0	252.6	260.0
45°	214.5	210.3	207.4	207.7	207.4	210.3	214.5	216.0	219.9	229.3	233.4
47.5°	189.7	189.5	187.7	188.3	187.7	189.5	189.7	192.4	197.3	203.1	209.7
50°	177.8	175.9	174.6	174.9	174.6	175.9	177.8	180.0	183.0	185.8	196.1
52.5°	166.5	164.8	163.8	165.1	163.8	164.8	166.5	167.7	169.8	172.7	179.7
55°	147.9	145.9	145.7	145.3	145.7	145.9	147.9	149.5	152.1	154.3	157.6
57.5°	127.2	125.9	123.9	123.1	123.9	125.9	127.2	129.5	132.6	135.5	138.9
60°	112.2	109.6	106.4	106.1	106.4	109.6	112.2	116.4	117.7	122.2	126.1
62.5°	98.6	98.1	97.5	97.4	97.5	98.1	98.6	100.0	101.8	108.3	113.0
65°	86.5	86.2	86.5	86.8	86.5	86.2	86.5	87.1	87.5	88.1	90.1
67.5°	75.3	74.8	74.2	74.5	74.2	74.8	75.3	75.5	76.4	76.8	78.1
70°	66.9	66.6	66.2	66.2	66.2	66.6	66.9	67.5	68.2	68.8	70.4
72.5°	58.6	58.5	58.3	58.0	58.3	58.5	58.6	59.8	60.2	60.9	61.9
75°	46.9	46.3	46.3	46.3	46.3	46.3	46.9	47.3	47.6	48.6	49.2
77.5°	35.7	35.5	35.1	34.9	35.1	35.5	35.7	35.8	36.3	36.5	37.2
80°	28.3	28.0	27.6	27.6	27.6	28.0	28.3	28.6	28.6	29.6	29.3
82.5°	21.6	21.3	21.2	20.9	21.2	21.3	21.6	21.7	21.7	22.4	22.3
85°	11.5	11.9	11.5	12.2	11.5	11.9	11.5	11.3	11.5	12.2	12.2
87.5°	7.4	7.2	7.5	7.3	7.5	7.2	7.4	7.3	7.4	7.2	7.1
90°	20.1	20.5	20.9	21.3	20.9	20.5	20.1	19.8	19.2	18.3	17.5
92.5°	20.6	20.8	21.0	21.3	21.0	20.8	20.6	20.4	20.1	19.6	19.1
95°	34.4	34.2	34.0	33.8	34.0	34.2	34.4	34.5	34.2	33.3	32.4
97.5°	44.5	44.7	44.9	45.1	44.9	44.7	44.5	44.3	43.8	43.1	42.4
100°	51.7	52.0	52.3	52.7	52.3	52.0	51.7	51.3	50.5	49.0	47.6
102.5°	55.0	55.4	56.0	56.5	56.0	55.4	55.0	54.5	53.4	51.6	49.7
105°	57.7	58.4	59.1	59.8	59.1	58.4	57.7	57.0	55.6	53.7	51.8
107.5°	59.4	60.1	60.8	61.5	60.8	60.1	59.4	58.7	59.3	61.3	63.2
110°	60.0	60.7	61.4	62.2	61.4	60.7	60.0	59.3	67.7	85.2	102.6



TEST NUMBER: P331663-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	61.0	61.6	62.2	62.8	62.2	61.6	61.0	60.5	92.1	155.8	219.6
115°	102.2	89.6	77.1	64.5	77.1	89.6	102.2	114.8	161.5	242.5	323.4
117.5°	387.3	345.9	304.6	263.3	304.6	345.9	387.3	428.6	459.1	478.7	498.3
120°	550.4	526.8	503.3	479.7	503.3	526.8	550.4	574.0	584.8	582.7	580.6
122.5°	612.3	607.7	603.1	598.6	603.1	607.7	612.3	616.9	618.5	617.3	616.0
125°	670.7	671.2	671.8	672.4	671.8	671.2	670.7	670.2	669.3	668.1	666.9
127.5°	718.6	718.7	718.8	718.8	718.8	718.7	718.6	718.4	717.6	715.7	713.9
130°	748.4	748.1	748.0	747.8	748.0	748.1	748.4	748.6	747.6	745.7	743.8
132.5°	776.6	776.4	776.3	776.1	776.3	776.4	776.6	776.8	776.1	774.5	772.8
135°	818.0	817.7	817.3	817.0	817.3	817.7	818.0	818.4	817.7	816.0	814.2
137.5°	856.1	855.5	854.9	854.3	854.9	855.5	856.1	856.7	856.1	854.4	852.6
140°	880.2	879.3	878.5	877.5	878.5	879.3	880.2	881.1	880.7	879.2	877.5
142.5°	902.8	902.0	901.1	900.2	901.1	902.0	902.8	903.7	903.4	902.0	900.5
145°	934.4	933.6	932.7	931.9	932.7	933.6	934.4	935.3	935.1	933.9	932.7
147.5°	961.8	961.1	960.4	959.7	960.4	961.1	961.8	962.6	962.5	961.6	960.7
150°	979.3	978.4	977.5	976.6	977.5	978.4	979.3	980.2	980.1	979.0	977.9
152.5°	994.5	993.4	992.3	991.1	992.3	993.4	994.5	995.7	995.7	994.7	993.7
155°	1015.5	1014.0	1012.6	1011.2	1012.6	1014.0	1015.5	1016.8	1017.0	1016.0	1014.9
157.5°	1033.7	1032.3	1031.0	1029.7	1031.0	1032.3	1033.7	1035.1	1035.2	1034.0	1032.8
160°	1044.0	1042.8	1041.6	1040.3	1041.6	1042.8	1044.0	1045.3	1045.3	1044.3	1043.2
162.5°	1053.7	1052.1	1050.7	1049.1	1050.7	1052.1	1053.7	1055.2	1055.3	1054.1	1052.9
165°	1066.0	1064.8	1063.6	1062.4	1063.6	1064.8	1066.0	1067.2	1067.2	1066.0	1064.8
167.5°	1075.4	1073.8	1072.3	1070.7	1072.3	1073.8	1075.4	1076.9	1077.2	1075.9	1074.7
170°	1080.5	1078.8	1077.3	1075.7	1077.3	1078.8	1080.5	1082.0	1082.2	1081.0	1079.8
172.5°	1084.2	1082.6	1081.1	1079.5	1081.1	1082.6	1084.2	1085.8	1086.0	1084.8	1083.5
175°	1088.0	1086.3	1084.5	1082.8	1084.5	1086.3	1088.0	1089.8	1090.0	1088.8	1087.6
177.5°	1088.6	1087.4	1086.1	1084.9	1086.1	1087.4	1088.6	1089.9	1090.0	1089.1	1088.0
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331663-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	889.8	893.5	898.9	902.0	907.1	910.4	912.2	915.6	917.4	923.9	930.5
5°	840.2	845.3	854.3	862.6	871.7	881.0	887.8	895.4	902.5	914.7	927.6
7.5°	783.2	790.3	804.3	817.6	833.3	846.4	858.1	871.2	883.0	900.5	918.8
10°	740.5	753.0	771.4	783.9	804.4	817.6	835.9	850.4	866.9	890.0	910.6
12.5°	703.7	718.8	733.6	751.0	769.5	791.4	811.6	830.1	849.6	873.6	897.7
15°	637.0	658.8	681.7	699.3	724.4	747.5	771.0	796.1	819.9	848.5	880.0
17.5°	551.0	576.4	614.8	645.1	674.5	697.8	726.8	757.2	785.1	819.7	854.7
20°	512.2	530.8	556.9	597.7	642.1	666.8	696.5	729.9	762.0	799.6	837.2
22.5°	481.0	497.7	518.6	550.4	599.9	633.7	664.5	698.5	735.8	774.2	815.9
25°	436.6	448.2	470.1	495.8	529.9	585.5	619.2	653.3	693.9	735.0	782.6
27.5°	403.3	413.7	427.9	452.5	477.8	517.7	571.4	608.6	648.9	695.3	744.7
30°	377.8	390.0	405.8	423.1	450.8	482.0	535.6	578.8	618.6	666.2	718.9
32.5°	359.3	368.9	382.4	400.0	423.0	452.9	495.8	548.1	586.9	637.1	692.2
35°	328.9	340.2	351.1	367.8	386.5	413.8	446.3	502.2	540.8	590.3	645.7
37.5°	303.9	310.8	322.9	336.1	355.8	376.2	404.3	454.5	496.3	544.8	601.5
40°	284.9	293.5	302.6	317.4	333.5	353.0	380.6	418.0	465.9	513.5	568.8
42.5°	266.4	277.3	286.9	296.8	314.4	334.0	356.5	388.1	437.0	482.1	535.9
45°	244.0	251.2	261.1	272.0	286.5	303.2	323.1	350.8	397.7	436.6	487.2
47.5°	218.1	228.4	234.9	245.6	259.3	275.3	293.8	317.7	355.8	392.2	439.0
50°	200.4	210.9	220.2	229.9	242.1	257.5	272.9	296.1	326.7	365.0	408.6
52.5°	185.1	194.5	203.5	213.2	225.2	239.3	253.9	274.2	300.4	335.6	378.1
55°	164.3	170.0	179.4	189.1	199.7	213.2	227.3	244.4	266.9	296.4	330.9
57.5°	142.9	149.6	157.0	166.8	177.5	187.9	200.5	216.0	233.8	260.5	290.0
60°	130.9	136.0	142.2	152.1	162.0	171.3	183.6	196.5	213.2	236.3	261.4
62.5°	117.5	122.3	127.9	136.6	146.4	154.9	165.6	179.3	193.4	214.5	236.4
65°	95.1	102.3	107.7	115.5	123.5	132.5	140.9	151.8	164.3	181.0	200.6
67.5°	78.9	82.5	87.6	94.6	102.8	110.6	118.5	127.0	137.8	150.8	166.3
70°	71.7	73.0	74.0	80.7	88.4	96.2	103.5	111.6	120.9	131.5	145.0
72.5°	63.2	64.5	65.7	68.6	74.8	82.5	90.1	96.2	105.0	113.7	124.7
75°	50.2	52.1	53.0	54.7	56.9	62.1	69.1	74.9	80.1	86.8	95.5
77.5°	38.2	39.3	40.3	42.0	43.4	45.8	49.8	55.0	59.8	63.7	69.7
80°	30.2	30.6	31.9	32.5	34.4	36.0	38.0	42.1	46.9	48.6	52.7
82.5°	22.7	23.1	24.1	24.8	25.7	27.0	29.4	30.6	34.4	36.4	39.1
85°	12.6	12.2	13.2	13.2	13.9	14.5	15.2	16.7	17.7	20.2	20.9
87.5°	7.1	7.0	7.0	6.7	6.5	6.6	6.5	6.5	6.5	7.0	7.6
90°	16.6	15.8	14.3	12.9	11.5	10.2	8.4	6.5	4.6	2.7	0.8
92.5°	18.7	18.3	17.6	16.9	16.2	15.4	15.2	15.3	15.5	15.7	15.8
95°	31.5	30.7	29.4	28.2	27.0	25.7	28.1	33.8	39.6	45.4	51.1
97.5°	41.8	41.1	38.2	35.4	32.5	29.7	36.4	52.7	69.0	85.2	101.4
100°	46.2	44.9	41.8	38.9	35.9	33.0	43.4	67.3	91.3	115.2	139.2
102.5°	47.9	46.1	70.9	95.7	120.6	145.5	160.4	165.5	170.6	175.6	180.7
105°	49.9	48.0	95.7	143.4	191.1	238.8	260.0	254.8	249.5	244.3	239.0
107.5°	65.2	67.2	124.3	181.6	238.8	296.0	322.5	318.2	314.0	309.8	305.6
110°	120.1	137.6	188.1	238.6	289.1	339.6	363.0	359.4	355.7	352.1	348.4



TEST NUMBER: P331663-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.4	347.1	359.6	372.0	384.5	397.0	401.6	398.4	395.1	391.8	388.6
115°	404.2	485.2	480.8	476.5	472.1	467.7	464.0	461.1	458.1	455.1	452.1
117.5°	517.8	537.4	534.4	531.4	528.4	525.4	522.2	518.9	515.6	512.2	508.9
120°	578.5	576.4	573.3	570.1	567.0	563.8	560.9	558.3	555.7	553.0	550.4
122.5°	614.8	613.5	610.1	606.7	603.2	599.8	596.7	593.9	591.2	588.4	585.7
125°	665.7	664.4	661.2	657.8	654.5	651.2	648.4	646.1	643.9	641.5	639.3
127.5°	712.1	710.4	707.9	705.4	702.9	700.4	697.9	695.4	692.9	690.4	687.9
130°	741.8	739.9	738.0	736.1	734.2	732.3	729.9	727.1	724.3	721.5	718.8
132.5°	771.2	769.5	767.6	765.7	763.8	761.8	759.7	757.3	754.9	752.5	750.2
135°	812.4	810.7	809.2	807.6	806.0	804.4	802.3	799.4	796.7	793.8	791.1
137.5°	850.9	849.3	847.5	845.7	843.9	842.1	840.2	838.3	836.4	834.4	832.4
140°	876.0	874.4	872.5	870.6	868.7	866.8	865.0	863.7	862.3	860.9	859.5
142.5°	899.1	897.7	895.5	893.3	891.0	888.9	887.2	885.9	884.7	883.4	882.1
145°	931.4	930.2	927.3	924.3	921.4	918.3	917.0	917.1	917.3	917.5	917.7
147.5°	959.8	958.9	956.0	953.0	950.0	947.1	946.0	946.7	947.4	948.0	948.6
150°	976.9	975.9	973.1	970.3	967.5	964.7	963.9	965.1	966.3	967.6	968.8
152.5°	992.6	991.6	988.9	986.3	983.6	980.9	980.3	981.7	983.0	984.4	985.8
155°	1013.8	1012.8	1010.7	1008.7	1006.5	1004.4	1004.2	1005.7	1007.3	1008.9	1010.5
157.5°	1031.7	1030.4	1029.0	1027.5	1026.1	1024.6	1024.5	1025.8	1027.2	1028.5	1029.8
160°	1042.2	1041.1	1040.1	1039.1	1037.9	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1
162.5°	1051.7	1050.6	1049.6	1048.7	1047.8	1046.9	1047.0	1048.0	1049.1	1050.2	1051.2
165°	1063.6	1062.4	1061.9	1061.3	1060.8	1060.2	1060.5	1061.5	1062.6	1063.7	1064.7
167.5°	1073.5	1072.3	1071.8	1071.3	1070.8	1070.3	1070.6	1071.6	1072.7	1073.8	1074.8
170°	1078.5	1077.3	1076.9	1076.6	1076.2	1075.9	1076.2	1077.3	1078.3	1079.3	1080.5
172.5°	1082.3	1081.1	1080.7	1080.4	1080.0	1079.7	1080.0	1081.1	1082.1	1083.1	1084.2
175°	1086.4	1085.1	1084.8	1084.4	1084.1	1083.7	1084.2	1085.4	1086.7	1087.9	1089.1
177.5°	1087.1	1086.1	1086.0	1085.8	1085.7	1085.5	1086.0	1086.9	1088.0	1088.9	1089.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331663-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	930.7	931.5	936.7	939.0	943.7	945.5	947.4	946.9	946.9	948.0	955.2
5°	932.7	939.2	948.8	958.1	967.2	974.9	980.0	985.2	987.1	996.4	1004.8
7.5°	929.4	941.2	957.2	971.4	988.4	1001.8	1012.8	1022.8	1029.6	1043.2	1057.0
10°	925.1	941.8	959.8	978.1	1001.6	1019.3	1037.2	1051.1	1055.6	1075.8	1087.4
12.5°	916.3	938.7	961.6	985.3	1008.2	1032.6	1052.4	1066.3	1082.1	1100.3	1121.6
15°	903.2	928.9	958.8	989.4	1022.2	1051.7	1073.0	1097.1	1114.4	1134.4	1153.0
17.5°	884.3	917.5	955.5	990.8	1028.7	1060.5	1089.8	1112.8	1125.1	1136.4	1139.3
20°	869.4	905.1	949.8	991.6	1029.5	1066.2	1095.1	1114.4	1117.7	1117.9	1100.9
22.5°	853.3	893.5	940.3	983.1	1028.5	1069.3	1091.7	1100.0	1087.3	1065.5	1032.5
25°	823.5	870.0	924.4	973.3	1022.8	1061.4	1069.1	1054.6	1010.0	962.9	903.5
27.5°	791.2	843.5	901.8	956.1	1008.9	1032.9	1016.2	964.0	883.5	813.6	728.8
30°	767.5	826.3	883.6	944.3	993.2	1003.5	965.3	888.4	794.5	689.1	604.5
32.5°	740.5	802.1	865.0	927.9	968.8	958.7	895.5	800.9	690.9	587.2	507.2
35°	701.9	765.6	833.4	896.4	922.5	879.1	784.5	661.4	548.9	452.1	397.1
37.5°	657.4	726.7	797.2	855.1	853.3	780.8	652.1	525.0	430.4	373.2	334.0
40°	625.7	695.8	772.0	820.9	800.0	705.8	566.2	446.3	377.1	331.5	302.9
42.5°	595.4	665.7	741.4	780.2	743.9	628.1	489.0	395.1	338.0	302.5	279.2
45°	543.7	617.9	688.1	709.6	644.6	517.0	395.5	327.4	289.4	263.0	246.9
47.5°	493.3	566.3	630.3	630.7	542.8	419.3	333.6	283.3	250.9	230.5	218.8
50°	462.4	531.8	585.5	577.1	477.5	373.0	298.3	254.9	228.0	212.2	200.0
52.5°	427.7	495.0	541.5	517.7	422.1	328.2	266.7	230.3	207.9	194.2	183.3
55°	377.1	437.0	469.8	433.8	344.4	272.9	225.4	196.7	180.0	168.5	159.2
57.5°	327.6	376.9	397.5	355.6	283.6	226.4	190.6	169.2	152.6	144.3	139.5
60°	296.4	338.5	353.0	306.8	246.6	198.0	168.8	148.9	136.6	131.2	126.4
62.5°	265.9	300.2	306.3	263.8	215.0	173.4	148.3	131.4	123.3	118.0	113.5
65°	220.6	245.3	242.5	208.4	170.0	137.6	119.2	109.0	102.9	95.5	87.5
67.5°	181.6	196.7	187.6	162.0	129.8	106.9	95.0	87.2	79.6	72.6	70.8
70°	156.9	165.6	155.9	132.5	106.4	89.7	80.1	70.8	66.2	64.7	61.7
72.5°	133.3	136.3	125.9	105.7	86.6	74.3	64.9	59.7	57.3	55.9	54.0
75°	100.0	97.7	88.8	73.0	60.1	51.7	48.9	46.9	45.4	44.1	43.0
77.5°	70.3	66.9	58.9	48.6	41.8	37.9	36.2	35.1	34.4	33.7	32.7
80°	52.7	50.5	42.4	34.7	31.9	29.9	28.9	27.6	27.6	27.0	26.0
82.5°	38.6	36.1	29.1	25.5	23.8	22.7	22.0	21.2	20.9	21.1	20.4
85°	20.2	16.4	14.5	13.9	12.8	12.2	12.6	11.9	11.9	11.9	11.5
87.5°	6.7	5.9	5.9	6.0	6.6	7.0	7.0	7.2	7.7	7.7	8.1
90°	2.7	4.6	6.5	8.4	10.2	11.5	12.9	14.3	15.8	16.6	17.5
92.5°	15.7	15.5	15.3	15.2	15.4	16.2	16.9	17.6	18.3	18.7	19.1
95°	45.4	39.6	33.8	28.1	25.7	27.0	28.2	29.4	30.7	31.5	32.4
97.5°	85.2	69.0	52.7	36.4	29.7	32.5	35.4	38.2	41.1	41.8	42.4
100°	115.2	91.3	67.3	43.4	33.0	35.9	38.9	41.8	44.9	46.2	47.6
102.5°	175.6	170.6	165.5	160.4	145.5	120.6	95.7	70.9	46.1	47.9	49.7
105°	244.3	249.5	254.8	260.0	238.8	191.1	143.4	95.7	48.0	49.9	51.8
107.5°	309.8	314.0	318.2	322.5	296.0	238.8	181.6	124.3	67.2	65.2	63.2
110°	352.1	355.7	359.4	363.0	339.6	289.1	238.6	188.1	137.6	120.1	102.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	391.8	395.1	398.4	401.6	397.0	384.5	372.0	359.6	347.1	283.4	219.6
115°	455.1	458.1	461.1	464.0	467.7	472.1	476.5	480.8	485.2	404.2	323.4
117.5°	512.2	515.6	518.9	522.2	525.4	528.4	531.4	534.4	537.4	517.8	498.3
120°	553.0	555.7	558.3	560.9	563.8	567.0	570.1	573.3	576.4	578.5	580.6
122.5°	588.4	591.2	593.9	596.7	599.8	603.2	606.7	610.1	613.5	614.8	616.0
125°	641.5	643.9	646.1	648.4	651.2	654.5	657.8	661.2	664.4	665.7	666.9
127.5°	690.4	692.9	695.4	697.9	700.4	702.9	705.4	707.9	710.4	712.1	713.9
130°	721.5	724.3	727.1	729.9	732.3	734.2	736.1	738.0	739.9	741.8	743.8
132.5°	752.5	754.9	757.3	759.7	761.8	763.8	765.7	767.6	769.5	771.2	772.8
135°	793.8	796.7	799.4	802.3	804.4	806.0	807.6	809.2	810.7	812.4	814.2
137.5°	834.4	836.4	838.3	840.2	842.1	843.9	845.7	847.5	849.3	850.9	852.6
140°	860.9	862.3	863.7	865.0	866.8	868.7	870.6	872.5	874.4	876.0	877.5
142.5°	883.4	884.7	885.9	887.2	888.9	891.0	893.3	895.5	897.7	899.1	900.5
145°	917.5	917.3	917.1	917.0	918.3	921.4	924.3	927.3	930.2	931.4	932.7
147.5°	948.0	947.4	946.7	946.0	947.1	950.0	953.0	956.0	958.9	959.8	960.7
150°	967.6	966.3	965.1	963.9	964.7	967.5	970.3	973.1	975.9	976.9	977.9
152.5°	984.4	983.0	981.7	980.3	980.9	983.6	986.3	988.9	991.6	992.6	993.7
155°	1008.9	1007.3	1005.7	1004.2	1004.4	1006.5	1008.7	1010.7	1012.8	1013.8	1014.9
157.5°	1028.5	1027.2	1025.8	1024.5	1024.6	1026.1	1027.5	1029.0	1030.4	1031.7	1032.8
160°	1040.1	1039.1	1037.9	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1	1042.2	1043.2
162.5°	1050.2	1049.1	1048.0	1047.0	1046.9	1047.8	1048.7	1049.6	1050.6	1051.7	1052.9
165°	1063.7	1062.6	1061.5	1060.5	1060.2	1060.8	1061.3	1061.9	1062.4	1063.6	1064.8
167.5°	1073.8	1072.7	1071.6	1070.6	1070.3	1070.8	1071.3	1071.8	1072.3	1073.5	1074.7
170°	1079.3	1078.3	1077.3	1076.2	1075.9	1076.2	1076.6	1076.9	1077.3	1078.5	1079.8
172.5°	1083.1	1082.1	1081.1	1080.0	1079.7	1080.0	1080.4	1080.7	1081.1	1082.3	1083.5
175°	1087.9	1086.7	1085.4	1084.2	1083.7	1084.1	1084.4	1084.8	1085.1	1086.4	1087.6
177.5°	1088.9	1088.0	1086.9	1086.0	1085.5	1085.7	1085.8	1086.0	1086.1	1087.1	1088.0
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	957.8	961.1	962.7	962.7	964.5	963.7	962.9
5°	1012.8	1018.9	1020.2	1026.0	1030.2	1028.9	1029.5
7.5°	1067.6	1077.4	1087.1	1091.5	1092.3	1094.8	1095.8
10°	1101.2	1109.3	1124.4	1122.1	1133.4	1139.8	1129.2
12.5°	1133.7	1144.5	1155.0	1157.9	1164.2	1166.3	1162.1
15°	1163.0	1168.7	1169.4	1167.8	1169.8	1168.1	1162.0
17.5°	1135.6	1126.2	1107.2	1098.1	1091.0	1080.5	1076.2
20°	1090.3	1062.6	1030.5	1017.6	1002.5	972.9	980.0
22.5°	992.6	961.0	928.9	891.3	873.4	845.3	843.7
25°	840.5	786.2	726.3	684.5	660.1	632.1	619.9
27.5°	653.5	585.0	536.1	511.3	488.6	466.5	465.5
30°	530.5	479.1	441.2	419.9	406.1	396.7	398.7
32.5°	447.2	411.9	386.3	368.8	358.5	351.5	351.4
35°	365.6	341.5	325.0	317.7	310.3	305.1	305.5
37.5°	312.9	298.3	289.2	281.1	276.5	274.0	272.5
40°	285.9	274.0	266.9	262.1	258.2	254.7	254.0
42.5°	264.5	254.7	247.5	243.7	240.2	237.6	237.0
45°	234.7	226.7	220.2	216.0	214.5	212.2	212.2
47.5°	208.8	200.9	195.9	193.2	190.5	189.0	188.9
50°	191.3	185.2	180.7	179.1	176.8	175.9	175.6
52.5°	175.6	171.1	167.8	166.8	165.7	164.5	164.7
55°	154.3	151.8	150.5	149.5	147.9	145.9	147.2
57.5°	136.4	134.2	130.7	127.7	126.2	124.8	125.4
60°	123.8	119.2	114.8	111.2	110.3	107.4	107.4
62.5°	107.9	101.5	96.0	94.0	93.1	91.7	91.4
65°	82.9	80.4	79.1	77.8	77.1	77.1	76.5
67.5°	68.7	67.7	66.3	66.0	65.3	65.2	64.9
70°	60.8	59.5	58.8	58.5	57.9	58.2	57.3
72.5°	53.0	52.0	51.9	51.1	50.7	50.7	50.0
75°	41.8	41.8	41.5	41.2	40.6	40.2	40.6
77.5°	32.1	32.2	31.6	31.6	31.5	31.6	31.3
80°	25.7	26.0	25.7	25.4	25.1	25.4	25.1
82.5°	20.3	19.9	19.8	19.7	19.7	19.5	19.5
85°	11.5	11.9	11.5	11.3	11.3	11.3	11.5
87.5°	8.0	8.2	8.4	8.4	8.4	8.5	8.4
90°	18.3	19.2	19.8	20.1	20.5	20.9	21.3
92.5°	19.6	20.1	20.4	20.6	20.8	21.0	21.3
95°	33.3	34.2	34.5	34.4	34.2	34.0	33.8
97.5°	43.1	43.8	44.3	44.5	44.7	44.9	45.1
100°	49.0	50.5	51.3	51.7	52.0	52.3	52.7
102.5°	51.6	53.4	54.5	55.0	55.4	56.0	56.5
105°	53.7	55.6	57.0	57.7	58.4	59.1	59.8
107.5°	61.3	59.3	58.7	59.4	60.1	60.8	61.5
110°	85.2	67.7	59.3	60.0	60.7	61.4	62.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	155.8	92.1	60.5	61.0	61.6	62.2	62.8
115°	242.5	161.5	114.8	102.2	89.6	77.1	64.5
117.5°	478.7	459.1	428.6	387.3	345.9	304.6	263.3
120°	582.7	584.8	574.0	550.4	526.8	503.3	479.7
122.5°	617.3	618.5	616.9	612.3	607.7	603.1	598.6
125°	668.1	669.3	670.2	670.7	671.2	671.8	672.4
127.5°	715.7	717.6	718.4	718.6	718.7	718.8	718.8
130°	745.7	747.6	748.6	748.4	748.1	748.0	747.8
132.5°	774.5	776.1	776.8	776.6	776.4	776.3	776.1
135°	816.0	817.7	818.4	818.0	817.7	817.3	817.0
137.5°	854.4	856.1	856.7	856.1	855.5	854.9	854.3
140°	879.2	880.7	881.1	880.2	879.3	878.5	877.5
142.5°	902.0	903.4	903.7	902.8	902.0	901.1	900.2
145°	933.9	935.1	935.3	934.4	933.6	932.7	931.9
147.5°	961.6	962.5	962.6	961.8	961.1	960.4	959.7
150°	979.0	980.1	980.2	979.3	978.4	977.5	976.6
152.5°	994.7	995.7	995.7	994.5	993.4	992.3	991.1
155°	1016.0	1017.0	1016.8	1015.5	1014.0	1012.6	1011.2
157.5°	1034.0	1035.2	1035.1	1033.7	1032.3	1031.0	1029.7
160°	1044.3	1045.3	1045.3	1044.0	1042.8	1041.6	1040.3
162.5°	1054.1	1055.3	1055.2	1053.7	1052.1	1050.7	1049.1
165°	1066.0	1067.2	1067.2	1066.0	1064.8	1063.6	1062.4
167.5°	1075.9	1077.2	1076.9	1075.4	1073.8	1072.3	1070.7
170°	1081.0	1082.2	1082.0	1080.5	1078.8	1077.3	1075.7
172.5°	1084.8	1086.0	1085.8	1084.2	1082.6	1081.1	1079.5
175°	1088.8	1090.0	1089.8	1088.0	1086.3	1084.5	1082.8
177.5°	1089.1	1090.0	1089.9	1088.6	1087.4	1086.1	1084.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8

(END OF REPORT)