

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: P331663-940

Luminaire Tested: **SA2XXRDIP-C485D925U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331663-940  
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-C485D925U940-4F0-1E-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: 4957.3 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

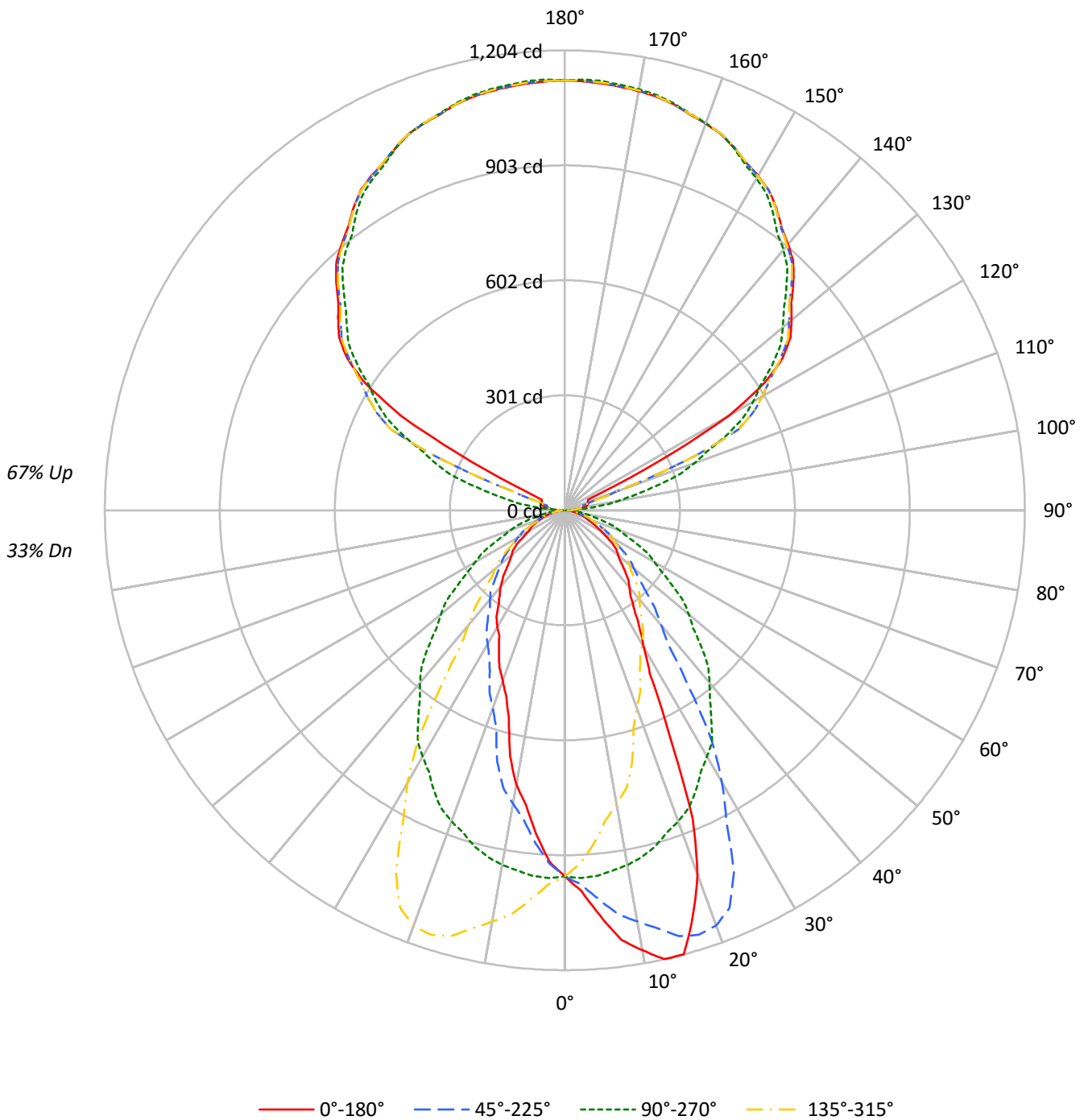
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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

	0°	90°	180°	270°
0°	15474	15474	15474	15474
5°	17280	15571	13807	15571
10°	19174	15462	11968	15462
15°	20117	15234	9429	15234
20°	17438	14899	8158	14899
25°	11437	14439	7285	14439
30°	7700	13882	6594	13882
35°	6236	13180	5947	13180
40°	5545	12416	5503	12416
45°	5019	11520	4912	11520
50°	4567	10630	4549	10630
55°	4293	9647	4236	9647
60°	3591	8741	3549	8741
65°	3030	7939	3435	7939
70°	2799	7091	3238	7091
75°	2620	6170	2994	6170
80°	2408	5077	2659	5077
85°	2205	4020	2353	4020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	1.8
10°-20°	253.1	5.1
20°-30°	326.2	6.6
30°-40°	310.0	6.3
40°-50°	265.6	5.4
50°-60°	202.2	4.1
60°-70°	127.8	2.6
70°-80°	63.8	1.3
80°-90°	19.4	0.4
90°-100°	37.5	0.8
100°-110°	137.7	2.8
110°-120°	368.0	7.4
120°-130°	607.5	12.3
130°-140°	646.1	13.0
140°-150°	600.5	12.1
150°-160°	482.8	9.7
160°-170°	311.1	6.3
170°-180°	107.1	2.2
0°-30°	670.2	13.5
0°-40°	980.2	19.8
0°-60°	1448.0	29.2
0°-90°	1659.0	33.5
90°-120°	543.2	11.0
90°-150°	2397.3	48.4
90°-180°	3298.0	66.5
0°-180°	4957.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	1066	961	852	961	1066	105
15°	1204	911	564	911	1204	325
25°	642	810	409	810	642	305
35°	316	669	302	669	316	202
45°	220	504	215	504	220	170
55°	152	343	150	343	152	134
65°	79	208	90	208	79	81
75°	42	99	48	99	42	45
85°	12	22	13	22	12	13
90°	22	1	22	1	22	10
95°	35	53	35	53	35	33
105°	62	248	62	248	62	64
115°	67	468	67	468	67	167
125°	696	662	696	662	696	602
135°	846	819	846	819	846	652
145°	965	950	965	950	965	604
155°	1047	1046	1047	1046	1047	483
165°	1100	1103	1100	1103	1100	311
175°	1121	1128	1121	1128	1121	107
180°	1126	1126	1126	1126	1126	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	997.3	998.1	998.9	997.0	997.0	995.4	991.9	989.3	981.8	980.7	980.7
5°	1066.2	1065.6	1066.9	1062.6	1056.6	1055.3	1048.9	1040.6	1032.0	1022.3	1020.3
7.5°	1134.9	1133.9	1131.2	1130.4	1125.9	1115.8	1105.6	1094.8	1080.4	1066.3	1059.3
10°	1169.5	1180.4	1173.8	1162.2	1164.5	1148.9	1140.5	1126.2	1114.2	1093.2	1088.6
12.5°	1203.5	1207.9	1205.8	1199.2	1196.2	1185.4	1174.1	1161.6	1139.5	1120.7	1104.3
15°	1203.5	1209.8	1211.5	1209.4	1211.1	1210.4	1204.4	1194.1	1174.8	1154.1	1136.2
17.5°	1114.6	1119.0	1129.9	1137.3	1146.7	1166.4	1176.1	1179.9	1177.0	1165.2	1152.5
20°	1014.9	1007.6	1038.3	1053.9	1067.3	1100.5	1129.2	1140.1	1157.8	1157.5	1154.1
22.5°	873.8	875.5	904.6	923.1	962.1	995.3	1028.0	1069.3	1103.5	1126.1	1139.2
25°	642.0	654.7	683.7	708.9	752.2	814.2	870.5	935.8	997.3	1046.0	1092.3
27.5°	482.1	483.1	506.0	529.5	555.2	605.9	676.8	754.7	842.6	915.0	998.4
30°	413.0	410.9	420.6	434.9	456.9	496.1	549.5	626.1	713.6	822.9	920.1
32.5°	363.9	364.0	371.3	381.9	400.1	426.6	463.2	525.3	608.1	715.5	829.5
35°	316.4	316.0	321.4	329.0	336.6	353.7	378.6	411.3	468.2	568.5	685.0
37.5°	282.2	283.7	286.3	291.1	299.5	309.0	324.0	345.9	386.5	445.8	543.7
40°	263.1	263.8	267.4	271.4	276.4	283.7	296.0	313.7	343.3	390.6	462.2
42.5°	245.5	246.1	248.8	252.4	256.4	263.8	273.9	289.2	313.3	350.1	409.2
45°	219.8	219.8	222.1	223.7	228.1	234.8	243.1	255.7	272.4	299.7	339.0
47.5°	195.6	195.7	197.2	200.1	202.9	208.0	216.2	226.6	238.7	259.8	293.4
50°	181.8	182.2	183.2	185.5	187.2	191.8	198.1	207.1	219.8	236.1	264.0
52.5°	170.6	170.4	171.7	172.7	173.8	177.2	181.9	189.8	201.2	215.3	238.5
55°	152.5	151.1	153.2	154.8	155.9	157.2	159.8	164.9	174.5	186.5	203.8
57.5°	129.8	129.3	130.7	132.2	135.4	139.0	141.2	144.5	149.5	158.0	175.2
60°	111.2	111.2	114.2	115.2	118.9	123.5	128.2	130.9	135.9	141.5	154.2
62.5°	94.7	95.0	96.4	97.4	99.4	105.1	111.7	117.5	122.3	127.7	136.1
65°	79.3	79.9	79.9	80.6	81.9	83.3	85.9	90.6	98.9	106.6	112.9
67.5°	67.2	67.5	67.7	68.3	68.7	70.1	71.2	73.3	75.2	82.5	90.3
70°	59.3	60.3	59.9	60.6	60.9	61.6	63.0	63.9	67.0	68.6	73.3
72.5°	51.8	52.5	52.5	52.9	53.8	53.9	54.9	55.9	57.9	59.3	61.8
75°	42.0	41.6	42.0	42.6	43.0	43.2	43.2	44.6	45.7	47.0	48.6
77.5°	32.4	32.7	32.6	32.7	32.7	33.3	33.3	33.9	34.9	35.6	36.4
80°	25.9	26.3	25.9	26.3	26.7	26.9	26.7	26.9	28.0	28.6	28.6
82.5°	20.2	20.2	20.4	20.4	20.5	20.6	21.0	21.1	21.8	21.7	21.9
85°	11.9	11.7	11.7	11.7	11.9	12.3	11.9	11.9	12.3	12.3	12.3
87.5°	8.6	8.8	8.7	8.7	8.6	8.5	8.3	8.4	7.9	8.0	7.5
90°	22.0	21.7	21.2	20.9	20.5	19.9	19.0	18.1	17.2	16.3	14.8
92.5°	22.0	21.8	21.6	21.3	21.1	20.8	20.3	19.8	19.4	18.9	18.2
95°	35.0	35.2	35.4	35.6	35.8	35.4	34.5	33.5	32.6	31.7	30.5
97.5°	46.7	46.5	46.3	46.1	45.8	45.4	44.7	44.0	43.2	42.5	39.6
100°	54.6	54.2	53.9	53.5	53.1	52.3	50.7	49.3	47.9	46.5	43.3
102.5°	58.5	58.0	57.4	57.0	56.4	55.3	53.4	51.5	49.6	47.7	43.5
105°	61.9	61.2	60.5	59.7	59.0	57.6	55.6	53.7	51.6	49.7	43.3
107.5°	63.7	63.0	62.2	61.5	60.8	61.4	63.5	65.5	67.5	69.6	128.8
110°	64.4	63.6	62.9	62.2	61.4	70.1	88.2	106.3	124.4	142.5	194.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	65.0	64.4	63.8	63.2	62.7	95.4	161.4	227.5	293.5	359.4	372.4
115°	66.8	79.8	92.8	105.8	118.9	167.3	251.1	334.9	418.7	502.5	497.9
117.5°	272.7	315.5	358.3	401.1	443.9	475.5	495.8	516.0	536.3	556.5	553.5
120°	496.8	521.2	545.6	570.1	594.5	605.6	603.5	601.3	599.1	596.9	593.7
122.5°	619.9	624.6	629.4	634.2	638.9	640.6	639.3	638.0	636.7	635.4	631.9
125°	696.3	695.8	695.2	694.6	694.1	693.2	692.0	690.7	689.5	688.1	684.7
127.5°	744.5	744.4	744.3	744.2	744.0	743.2	741.3	739.4	737.5	735.8	733.2
130°	774.5	774.6	774.8	775.1	775.3	774.3	772.3	770.3	768.3	766.3	764.4
132.5°	803.8	804.0	804.1	804.3	804.5	803.8	802.1	800.4	798.7	796.9	795.0
135°	846.1	846.5	846.9	847.2	847.6	846.9	845.1	843.3	841.4	839.6	838.0
137.5°	884.8	885.4	886.0	886.6	887.3	886.6	884.8	883.1	881.3	879.6	877.7
140°	908.8	909.8	910.7	911.6	912.5	912.1	910.5	908.8	907.2	905.6	903.7
142.5°	932.3	933.3	934.2	935.0	935.9	935.7	934.2	932.6	931.2	929.7	927.5
145°	965.1	966.0	966.9	967.8	968.7	968.5	967.2	966.0	964.7	963.4	960.4
147.5°	993.9	994.6	995.4	996.1	996.9	996.8	995.9	995.0	994.0	993.1	990.1
150°	1011.5	1012.4	1013.3	1014.2	1015.1	1015.0	1014.0	1012.8	1011.7	1010.7	1007.8
152.5°	1026.4	1027.7	1028.9	1030.0	1031.3	1031.3	1030.2	1029.1	1028.1	1027.0	1024.2
155°	1047.3	1048.7	1050.2	1051.7	1053.1	1053.3	1052.2	1051.1	1050.0	1048.9	1046.8
157.5°	1066.4	1067.7	1069.2	1070.6	1072.0	1072.1	1070.9	1069.6	1068.4	1067.2	1065.7
160°	1077.5	1078.7	1080.0	1081.2	1082.5	1082.6	1081.6	1080.4	1079.3	1078.3	1077.2
162.5°	1086.5	1088.2	1089.7	1091.3	1092.8	1093.0	1091.7	1090.5	1089.2	1088.1	1087.1
165°	1100.3	1101.5	1102.8	1104.0	1105.3	1105.3	1104.0	1102.8	1101.5	1100.3	1099.7
167.5°	1108.8	1110.5	1112.1	1113.7	1115.4	1115.6	1114.3	1113.0	1111.8	1110.5	1110.0
170°	1114.1	1115.7	1117.3	1119.0	1120.6	1120.8	1119.5	1118.3	1117.0	1115.7	1115.4
172.5°	1118.0	1119.6	1121.2	1122.8	1124.5	1124.7	1123.5	1122.1	1120.9	1119.6	1119.3
175°	1121.4	1123.2	1125.1	1126.9	1128.6	1128.9	1127.7	1126.4	1125.2	1123.8	1123.5
177.5°	1123.6	1124.8	1126.1	1127.5	1128.7	1128.9	1127.9	1126.9	1125.9	1124.8	1124.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	981.2	979.2	977.3	972.5	970.1	964.7	963.9	963.7	956.8	950.1	948.2
5°	1014.9	1009.7	1001.7	992.3	982.7	972.7	966.0	960.7	947.4	934.7	927.4
7.5°	1048.9	1037.5	1023.7	1006.0	991.3	974.8	962.6	951.5	932.6	914.5	902.3
10°	1074.2	1055.6	1037.3	1013.0	994.0	975.4	958.1	943.1	921.8	897.8	880.7
12.5°	1089.9	1069.4	1044.2	1020.5	995.9	972.1	949.0	929.7	904.7	879.9	859.7
15°	1111.3	1089.2	1058.6	1024.7	993.0	962.1	935.4	911.4	878.8	849.2	824.5
17.5°	1128.6	1098.3	1065.4	1026.2	989.5	950.2	915.9	885.2	848.9	813.2	784.2
20°	1134.2	1104.2	1066.2	1027.0	983.6	937.4	900.4	867.1	828.1	789.2	755.9
22.5°	1130.7	1107.4	1065.1	1018.2	973.8	925.4	883.7	845.0	801.8	762.1	723.4
25°	1107.2	1099.2	1059.3	1008.0	957.3	901.1	852.8	810.5	761.3	718.6	676.6
27.5°	1052.4	1069.7	1044.9	990.2	934.0	873.6	819.4	771.2	720.1	672.1	630.3
30°	999.7	1039.3	1028.6	978.0	915.1	855.8	794.9	744.6	690.0	640.7	599.4
32.5°	927.5	992.9	1003.4	961.0	895.9	830.7	766.9	716.8	659.9	607.9	567.7
35°	812.5	910.4	955.4	928.4	863.1	792.9	726.9	668.7	611.4	560.1	520.1
37.5°	675.4	808.7	883.7	885.6	825.6	752.6	680.8	622.9	564.3	514.0	470.7
40°	586.4	730.9	828.5	850.2	799.5	720.6	648.0	589.1	531.8	482.5	432.9
42.5°	506.5	650.5	770.4	808.1	767.9	689.5	616.6	555.0	499.3	452.6	402.0
45°	409.6	535.5	667.6	734.9	712.7	640.0	563.1	504.5	452.2	411.9	363.3
47.5°	345.5	434.3	562.1	653.2	652.7	586.5	510.9	454.7	406.2	368.5	329.0
50°	309.0	386.3	494.5	597.7	606.4	550.8	478.8	423.2	378.0	338.3	306.7
52.5°	276.3	339.9	437.2	536.2	560.8	512.6	442.9	391.6	347.6	311.1	284.0
55°	233.4	282.7	356.7	449.2	486.5	452.5	390.6	342.7	307.0	276.4	253.1
57.5°	197.4	234.4	293.7	368.3	411.7	390.3	339.3	300.3	269.8	242.1	223.7
60°	174.9	205.1	255.4	317.7	365.6	350.6	307.0	270.7	244.8	220.8	203.5
62.5°	153.6	179.6	222.7	273.2	317.2	310.9	275.4	244.9	222.1	200.3	185.7
65°	123.5	142.5	176.1	215.8	251.1	254.0	228.5	207.8	187.4	170.1	157.2
67.5°	98.4	110.8	134.5	167.8	194.3	203.8	188.1	172.3	156.1	142.8	131.5
70°	82.9	92.9	110.2	137.2	161.5	171.5	162.5	150.2	136.2	125.2	115.6
72.5°	67.2	77.0	89.7	109.5	130.4	141.2	138.0	129.1	117.8	108.7	99.6
75°	50.6	53.6	62.2	75.6	91.9	101.2	103.5	98.9	89.9	82.9	77.6
77.5°	37.5	39.2	43.3	50.4	61.0	69.3	72.8	72.2	66.0	62.0	57.0
80°	30.0	30.9	33.0	35.9	44.0	52.3	54.6	54.6	50.3	48.6	43.6
82.5°	22.7	23.5	24.7	26.4	30.1	37.4	39.9	40.5	37.7	35.6	31.7
85°	13.0	12.7	13.3	14.4	15.0	16.9	21.0	21.7	21.0	18.3	17.3
87.5°	7.2	7.2	6.9	6.2	6.2	6.1	7.0	7.8	7.2	6.8	6.7
90°	13.4	11.9	10.5	8.7	6.8	4.8	2.8	0.8	2.8	4.8	6.8
92.5°	17.5	16.8	16.0	15.7	15.9	16.1	16.2	16.4	16.2	16.1	15.9
95°	29.2	28.0	26.7	29.1	35.0	41.0	47.0	53.0	47.0	41.0	35.0
97.5°	36.6	33.7	30.8	37.7	54.6	71.4	88.2	105.0	88.2	71.4	54.6
100°	40.3	37.2	34.2	44.9	69.7	94.5	119.3	144.2	119.3	94.5	69.7
102.5°	99.2	124.9	150.7	166.1	171.4	176.6	181.9	187.2	181.9	176.6	171.4
105°	148.5	197.9	247.3	269.3	263.9	258.4	253.0	247.5	253.0	258.4	263.9
107.5°	188.1	247.3	306.6	334.0	329.6	325.2	320.8	316.5	320.8	325.2	329.6
110°	247.1	299.4	351.7	375.9	372.2	368.4	364.6	360.8	364.6	368.4	372.2





TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	385.3	398.2	411.2	415.9	412.6	409.2	405.8	402.4	405.8	409.2	412.6
115°	493.5	488.9	484.4	480.5	477.5	474.4	471.4	468.2	471.4	474.4	477.5
117.5°	550.4	547.2	544.1	540.8	537.4	534.0	530.5	527.1	530.5	534.0	537.4
120°	590.4	587.2	583.9	580.9	578.2	575.5	572.7	570.1	572.7	575.5	578.2
122.5°	628.3	624.7	621.2	618.0	615.1	612.2	609.4	606.5	609.4	612.2	615.1
125°	681.3	677.9	674.4	671.5	669.1	666.8	664.4	662.1	664.4	666.8	669.1
127.5°	730.6	728.0	725.4	722.8	720.2	717.6	715.1	712.4	715.1	717.6	720.2
130°	762.3	760.4	758.4	755.9	753.0	750.1	747.3	744.4	747.3	750.1	753.0
132.5°	793.0	791.0	789.0	786.8	784.3	781.9	779.4	776.9	779.4	781.9	784.3
135°	836.4	834.7	833.1	830.9	828.0	825.1	822.2	819.3	822.2	825.1	828.0
137.5°	875.8	874.0	872.2	870.2	868.2	866.2	864.2	862.1	864.2	866.2	868.2
140°	901.6	899.6	897.7	895.9	894.5	893.0	891.6	890.1	891.6	893.0	894.5
142.5°	925.1	922.8	920.6	918.8	917.5	916.2	914.9	913.6	914.9	916.2	917.5
145°	957.3	954.2	951.1	949.7	949.9	950.0	950.2	950.4	950.2	950.0	949.9
147.5°	987.0	983.9	980.9	979.7	980.4	981.1	981.8	982.5	981.8	981.1	980.4
150°	1004.9	1002.0	999.1	998.3	999.5	1000.8	1002.1	1003.4	1002.1	1000.8	999.5
152.5°	1021.5	1018.7	1015.9	1015.3	1016.7	1018.1	1019.5	1020.9	1019.5	1018.1	1016.7
155°	1044.6	1042.4	1040.3	1040.0	1041.6	1043.2	1044.9	1046.5	1044.9	1043.2	1041.6
157.5°	1064.2	1062.7	1061.1	1061.0	1062.4	1063.8	1065.1	1066.5	1065.1	1063.8	1062.4
160°	1076.1	1075.0	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3	1077.2	1076.1	1075.0
162.5°	1086.1	1085.2	1084.2	1084.3	1085.4	1086.5	1087.6	1088.7	1087.6	1086.5	1085.4
165°	1099.1	1098.6	1098.1	1098.3	1099.4	1100.5	1101.6	1102.7	1101.6	1100.5	1099.4
167.5°	1109.5	1109.0	1108.5	1108.8	1109.8	1111.0	1112.1	1113.1	1112.1	1111.0	1109.8
170°	1115.0	1114.6	1114.3	1114.6	1115.7	1116.8	1117.8	1119.0	1117.8	1116.8	1115.7
172.5°	1118.9	1118.6	1118.2	1118.6	1119.6	1120.7	1121.8	1122.8	1121.8	1120.7	1119.6
175°	1123.1	1122.8	1122.4	1122.8	1124.1	1125.4	1126.7	1127.9	1126.7	1125.4	1124.1
177.5°	1124.5	1124.4	1124.3	1124.7	1125.7	1126.8	1127.7	1128.7	1127.7	1126.8	1125.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	944.8	942.9	939.4	934.2	930.9	925.3	921.6	923.7	924.3	923.7	923.2
5°	919.4	912.4	902.8	893.4	884.8	875.5	870.1	867.8	863.1	860.5	859.2
7.5°	888.7	876.6	863.0	846.8	832.9	818.5	811.1	807.4	797.9	792.7	788.2
10°	865.8	846.8	833.1	811.8	798.9	779.9	766.9	767.2	754.2	746.9	741.5
12.5°	840.5	819.7	796.9	777.8	759.7	744.5	728.8	722.5	708.6	701.6	687.2
15°	798.5	774.2	750.3	724.2	706.0	682.3	659.7	632.0	609.8	590.4	585.1
17.5°	752.7	722.6	698.6	668.1	636.7	596.9	570.7	554.6	541.2	531.0	523.4
20°	721.3	690.6	665.0	619.0	576.8	549.7	530.5	518.2	504.2	493.2	487.1
22.5°	688.2	656.3	621.3	570.0	537.1	515.4	498.2	484.0	474.6	466.0	460.6
25°	641.3	606.4	548.8	513.4	486.9	464.2	452.2	443.5	433.5	421.9	416.6
27.5°	591.8	536.2	494.8	468.6	443.2	428.5	417.7	404.7	395.8	390.6	385.0
30°	554.7	499.2	466.9	438.2	420.3	403.9	391.3	384.0	375.3	366.3	362.7
32.5°	513.4	469.0	438.1	414.3	396.0	382.1	372.1	360.3	354.0	348.5	340.8
35°	462.2	428.6	400.3	380.9	363.6	352.3	340.6	333.7	322.4	317.7	314.7
37.5°	418.7	389.6	368.5	348.1	334.4	321.9	314.8	303.6	298.7	292.2	285.9
40°	394.2	365.6	345.4	328.7	313.3	304.0	295.1	286.1	278.7	275.7	268.0
42.5°	369.3	345.9	325.6	307.4	297.1	287.2	275.9	269.3	261.6	256.8	252.1
45°	334.7	314.1	296.7	281.7	270.4	260.1	252.7	241.7	237.5	227.7	223.7
47.5°	304.3	285.1	268.6	254.3	243.3	236.6	225.9	217.2	210.4	204.4	199.3
50°	282.7	266.7	250.7	238.1	228.1	218.5	207.5	203.1	192.4	189.5	186.5
52.5°	263.0	247.8	233.2	220.8	210.8	201.4	191.7	186.1	178.9	175.8	173.7
55°	235.4	220.8	206.8	195.8	185.8	176.1	170.1	163.2	159.8	157.5	154.8
57.5°	207.7	194.6	183.8	172.7	162.6	155.0	148.0	143.8	140.4	137.3	134.1
60°	190.1	177.5	167.8	157.5	147.2	140.9	135.5	130.5	126.5	121.9	120.6
62.5°	171.5	160.4	151.6	141.5	132.5	126.7	121.7	117.0	112.2	105.4	103.5
65°	145.9	137.2	127.9	119.6	111.6	105.9	98.5	93.3	91.2	90.6	90.2
67.5°	122.7	114.5	106.5	98.0	90.7	85.4	81.7	80.9	79.5	79.1	78.2
70°	107.2	99.6	91.6	83.6	76.6	75.6	74.3	72.9	71.2	70.6	69.9
72.5°	93.4	85.4	77.5	71.1	68.0	66.8	65.5	64.1	63.0	62.3	62.0
75°	71.6	64.3	58.9	56.6	54.9	53.9	52.0	50.9	50.3	49.3	49.0
77.5°	51.5	47.4	44.9	43.5	41.7	40.7	39.6	38.5	37.8	37.6	37.1
80°	39.3	37.3	35.7	33.6	33.0	31.7	31.3	30.3	30.7	29.6	29.6
82.5°	30.5	28.0	26.6	25.7	25.0	23.9	23.5	23.1	23.2	22.5	22.5
85°	15.7	15.0	14.4	13.6	13.6	12.7	13.0	12.7	12.7	11.9	11.7
87.5°	6.8	6.9	6.7	7.0	7.2	7.2	7.4	7.3	7.5	7.7	7.6
90°	8.7	10.5	11.9	13.4	14.8	16.3	17.2	18.1	19.0	19.9	20.5
92.5°	15.7	16.0	16.8	17.5	18.2	18.9	19.4	19.8	20.3	20.8	21.1
95°	29.1	26.7	28.0	29.2	30.5	31.7	32.6	33.5	34.5	35.4	35.8
97.5°	37.7	30.8	33.7	36.6	39.6	42.5	43.2	44.0	44.7	45.4	45.8
100°	44.9	34.2	37.2	40.3	43.3	46.5	47.9	49.3	50.7	52.3	53.1
102.5°	166.1	150.7	124.9	99.2	73.5	47.7	49.6	51.5	53.4	55.3	56.4
105°	269.3	247.3	197.9	148.5	99.1	49.7	51.6	53.7	55.6	57.6	59.0
107.5°	334.0	306.6	247.3	188.1	128.8	69.6	67.5	65.5	63.5	61.4	60.8
110°	375.9	351.7	299.4	247.1	194.8	142.5	124.4	106.3	88.2	70.1	61.4



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	415.9	411.2	398.2	385.3	372.4	359.4	293.5	227.5	161.4	95.4	62.7
115°	480.5	484.4	488.9	493.5	497.9	502.5	418.7	334.9	251.1	167.3	118.9
117.5°	540.8	544.1	547.2	550.4	553.5	556.5	536.3	516.0	495.8	475.5	443.9
120°	580.9	583.9	587.2	590.4	593.7	596.9	599.1	601.3	603.5	605.6	594.5
122.5°	618.0	621.2	624.7	628.3	631.9	635.4	636.7	638.0	639.3	640.6	638.9
125°	671.5	674.4	677.9	681.3	684.7	688.1	689.5	690.7	692.0	693.2	694.1
127.5°	722.8	725.4	728.0	730.6	733.2	735.8	737.5	739.4	741.3	743.2	744.0
130°	755.9	758.4	760.4	762.3	764.4	766.3	768.3	770.3	772.3	774.3	775.3
132.5°	786.8	789.0	791.0	793.0	795.0	796.9	798.7	800.4	802.1	803.8	804.5
135°	830.9	833.1	834.7	836.4	838.0	839.6	841.4	843.3	845.1	846.9	847.6
137.5°	870.2	872.2	874.0	875.8	877.7	879.6	881.3	883.1	884.8	886.6	887.3
140°	895.9	897.7	899.6	901.6	903.7	905.6	907.2	908.8	910.5	912.1	912.5
142.5°	918.8	920.6	922.8	925.1	927.5	929.7	931.2	932.6	934.2	935.7	935.9
145°	949.7	951.1	954.2	957.3	960.4	963.4	964.7	966.0	967.2	968.5	968.7
147.5°	979.7	980.9	983.9	987.0	990.1	993.1	994.0	995.0	995.9	996.8	996.9
150°	998.3	999.1	1002.0	1004.9	1007.8	1010.7	1011.7	1012.8	1014.0	1015.0	1015.1
152.5°	1015.3	1015.9	1018.7	1021.5	1024.2	1027.0	1028.1	1029.1	1030.2	1031.3	1031.3
155°	1040.0	1040.3	1042.4	1044.6	1046.8	1048.9	1050.0	1051.1	1052.2	1053.3	1053.1
157.5°	1061.0	1061.1	1062.7	1064.2	1065.7	1067.2	1068.4	1069.6	1070.9	1072.1	1072.0
160°	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3	1079.3	1080.4	1081.6	1082.6	1082.5
162.5°	1084.3	1084.2	1085.2	1086.1	1087.1	1088.1	1089.2	1090.5	1091.7	1093.0	1092.8
165°	1098.3	1098.1	1098.6	1099.1	1099.7	1100.3	1101.5	1102.8	1104.0	1105.3	1105.3
167.5°	1108.8	1108.5	1109.0	1109.5	1110.0	1110.5	1111.8	1113.0	1114.3	1115.6	1115.4
170°	1114.6	1114.3	1114.6	1115.0	1115.4	1115.7	1117.0	1118.3	1119.5	1120.8	1120.6
172.5°	1118.6	1118.2	1118.6	1118.9	1119.3	1119.6	1120.9	1122.1	1123.5	1124.7	1124.5
175°	1122.8	1122.4	1122.8	1123.1	1123.5	1123.8	1125.2	1126.4	1127.7	1128.9	1128.6
177.5°	1124.7	1124.3	1124.4	1124.5	1124.7	1124.8	1125.9	1126.9	1127.9	1128.9	1128.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	920.2	920.8	920.0	920.5	920.0	920.8	920.2	923.2	923.7	924.3	923.7
5°	857.5	853.5	852.8	851.9	852.8	853.5	857.5	859.2	860.5	863.1	867.8
7.5°	782.5	781.9	780.2	777.8	780.2	781.9	782.5	788.2	792.7	797.9	807.4
10°	734.2	732.6	732.3	730.0	732.3	732.6	734.2	741.5	746.9	754.2	767.2
12.5°	677.8	667.1	665.9	660.1	665.9	667.1	677.8	687.2	701.6	708.6	722.5
15°	577.1	575.1	568.5	564.1	568.5	575.1	577.1	585.1	590.4	609.8	632.0
17.5°	519.5	513.0	511.0	510.1	511.0	513.0	519.5	523.4	531.0	541.2	554.6
20°	482.5	476.5	475.5	474.8	475.5	476.5	482.5	487.1	493.2	504.2	518.2
22.5°	456.9	450.7	448.1	446.1	448.1	450.7	456.9	460.6	466.0	474.6	484.0
25°	413.2	410.9	409.6	408.9	409.6	410.9	413.2	416.6	421.9	433.5	443.5
27.5°	379.1	374.0	372.9	371.2	372.9	374.0	379.1	385.0	390.6	395.8	404.7
30°	359.6	357.9	355.6	353.7	355.6	357.9	359.6	362.7	366.3	375.3	384.0
32.5°	336.7	335.4	333.2	332.3	333.2	335.4	336.7	340.8	348.5	354.0	360.3
35°	311.4	306.7	304.7	301.7	304.7	306.7	311.4	314.7	317.7	322.4	333.7
37.5°	284.5	282.0	279.3	280.3	279.3	282.0	284.5	285.9	292.2	298.7	303.6
40°	263.8	262.1	261.4	261.1	261.4	262.1	263.8	268.0	275.7	278.7	286.1
42.5°	247.2	242.6	240.9	240.9	240.9	242.6	247.2	252.1	256.8	261.6	269.3
45°	222.1	217.8	214.8	215.1	214.8	217.8	222.1	223.7	227.7	237.5	241.7
47.5°	196.4	196.3	194.4	195.0	194.4	196.3	196.4	199.3	204.4	210.4	217.2
50°	184.1	182.2	180.8	181.1	180.8	182.2	184.1	186.5	189.5	192.4	203.1
52.5°	172.5	170.7	169.6	171.0	169.6	170.7	172.5	173.7	175.8	178.9	186.1
55°	153.2	151.1	150.9	150.5	150.9	151.1	153.2	154.8	157.5	159.8	163.2
57.5°	131.7	130.4	128.3	127.5	128.3	130.4	131.7	134.1	137.3	140.4	143.8
60°	116.2	113.5	110.2	109.9	110.2	113.5	116.2	120.6	121.9	126.5	130.5
62.5°	102.1	101.6	100.9	100.9	100.9	101.6	102.1	103.5	105.4	112.2	117.0
65°	89.6	89.3	89.6	89.9	89.6	89.3	89.6	90.2	90.6	91.2	93.3
67.5°	78.0	77.5	76.9	77.1	76.9	77.5	78.0	78.2	79.1	79.5	80.9
70°	69.3	68.9	68.6	68.6	68.6	68.9	69.3	69.9	70.6	71.2	72.9
72.5°	60.7	60.6	60.4	60.1	60.4	60.6	60.7	62.0	62.3	63.0	64.1
75°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	49.0	49.3	50.3	50.9
77.5°	37.0	36.7	36.4	36.1	36.4	36.7	37.0	37.1	37.6	37.8	38.5
80°	29.3	29.0	28.6	28.6	28.6	29.0	29.3	29.6	29.6	30.7	30.3
82.5°	22.4	22.0	21.9	21.7	21.9	22.0	22.4	22.5	22.5	23.2	23.1
85°	11.9	12.3	11.9	12.7	11.9	12.3	11.9	11.7	11.9	12.7	12.7
87.5°	7.7	7.5	7.8	7.6	7.8	7.5	7.7	7.6	7.7	7.5	7.3
90°	20.9	21.2	21.7	22.0	21.7	21.2	20.9	20.5	19.9	19.0	18.1
92.5°	21.3	21.6	21.8	22.0	21.8	21.6	21.3	21.1	20.8	20.3	19.8
95°	35.6	35.4	35.2	35.0	35.2	35.4	35.6	35.8	35.4	34.5	33.5
97.5°	46.1	46.3	46.5	46.7	46.5	46.3	46.1	45.8	45.4	44.7	44.0
100°	53.5	53.9	54.2	54.6	54.2	53.9	53.5	53.1	52.3	50.7	49.3
102.5°	57.0	57.4	58.0	58.5	58.0	57.4	57.0	56.4	55.3	53.4	51.5
105°	59.7	60.5	61.2	61.9	61.2	60.5	59.7	59.0	57.6	55.6	53.7
107.5°	61.5	62.2	63.0	63.7	63.0	62.2	61.5	60.8	61.4	63.5	65.5
110°	62.2	62.9	63.6	64.4	63.6	62.9	62.2	61.4	70.1	88.2	106.3



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	63.2	63.8	64.4	65.0	64.4	63.8	63.2	62.7	95.4	161.4	227.5
115°	105.8	92.8	79.8	66.8	79.8	92.8	105.8	118.9	167.3	251.1	334.9
117.5°	401.1	358.3	315.5	272.7	315.5	358.3	401.1	443.9	475.5	495.8	516.0
120°	570.1	545.6	521.2	496.8	521.2	545.6	570.1	594.5	605.6	603.5	601.3
122.5°	634.2	629.4	624.6	619.9	624.6	629.4	634.2	638.9	640.6	639.3	638.0
125°	694.6	695.2	695.8	696.3	695.8	695.2	694.6	694.1	693.2	692.0	690.7
127.5°	744.2	744.3	744.4	744.5	744.4	744.3	744.2	744.0	743.2	741.3	739.4
130°	775.1	774.8	774.6	774.5	774.6	774.8	775.1	775.3	774.3	772.3	770.3
132.5°	804.3	804.1	804.0	803.8	804.0	804.1	804.3	804.5	803.8	802.1	800.4
135°	847.2	846.9	846.5	846.1	846.5	846.9	847.2	847.6	846.9	845.1	843.3
137.5°	886.6	886.0	885.4	884.8	885.4	886.0	886.6	887.3	886.6	884.8	883.1
140°	911.6	910.7	909.8	908.8	909.8	910.7	911.6	912.5	912.1	910.5	908.8
142.5°	935.0	934.2	933.3	932.3	933.3	934.2	935.0	935.9	935.7	934.2	932.6
145°	967.8	966.9	966.0	965.1	966.0	966.9	967.8	968.7	968.5	967.2	966.0
147.5°	996.1	995.4	994.6	993.9	994.6	995.4	996.1	996.9	996.8	995.9	995.0
150°	1014.2	1013.3	1012.4	1011.5	1012.4	1013.3	1014.2	1015.1	1015.0	1014.0	1012.8
152.5°	1030.0	1028.9	1027.7	1026.4	1027.7	1028.9	1030.0	1031.3	1031.3	1030.2	1029.1
155°	1051.7	1050.2	1048.7	1047.3	1048.7	1050.2	1051.7	1053.1	1053.3	1052.2	1051.1
157.5°	1070.6	1069.2	1067.7	1066.4	1067.7	1069.2	1070.6	1072.0	1072.1	1070.9	1069.6
160°	1081.2	1080.0	1078.7	1077.5	1078.7	1080.0	1081.2	1082.5	1082.6	1081.6	1080.4
162.5°	1091.3	1089.7	1088.2	1086.5	1088.2	1089.7	1091.3	1092.8	1093.0	1091.7	1090.5
165°	1104.0	1102.8	1101.5	1100.3	1101.5	1102.8	1104.0	1105.3	1105.3	1104.0	1102.8
167.5°	1113.7	1112.1	1110.5	1108.8	1110.5	1112.1	1113.7	1115.4	1115.6	1114.3	1113.0
170°	1119.0	1117.3	1115.7	1114.1	1115.7	1117.3	1119.0	1120.6	1120.8	1119.5	1118.3
172.5°	1122.8	1121.2	1119.6	1118.0	1119.6	1121.2	1122.8	1124.5	1124.7	1123.5	1122.1
175°	1126.9	1125.1	1123.2	1121.4	1123.2	1125.1	1126.9	1128.6	1128.9	1127.7	1126.4
177.5°	1127.5	1126.1	1124.8	1123.6	1124.8	1126.1	1127.5	1128.7	1128.9	1127.9	1126.9
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	921.6	925.3	930.9	934.2	939.4	942.9	944.8	948.2	950.1	956.8	963.7
5°	870.1	875.5	884.8	893.4	902.8	912.4	919.4	927.4	934.7	947.4	960.7
7.5°	811.1	818.5	832.9	846.8	863.0	876.6	888.7	902.3	914.5	932.6	951.5
10°	766.9	779.9	798.9	811.8	833.1	846.8	865.8	880.7	897.8	921.8	943.1
12.5°	728.8	744.5	759.7	777.8	796.9	819.7	840.5	859.7	879.9	904.7	929.7
15°	659.7	682.3	706.0	724.2	750.3	774.2	798.5	824.5	849.2	878.8	911.4
17.5°	570.7	596.9	636.7	668.1	698.6	722.6	752.7	784.2	813.2	848.9	885.2
20°	530.5	549.7	576.8	619.0	665.0	690.6	721.3	755.9	789.2	828.1	867.1
22.5°	498.2	515.4	537.1	570.0	621.3	656.3	688.2	723.4	762.1	801.8	845.0
25°	452.2	464.2	486.9	513.4	548.8	606.4	641.3	676.6	718.6	761.3	810.5
27.5°	417.7	428.5	443.2	468.6	494.8	536.2	591.8	630.3	672.1	720.1	771.2
30°	391.3	403.9	420.3	438.2	466.9	499.2	554.7	599.4	640.7	690.0	744.6
32.5°	372.1	382.1	396.0	414.3	438.1	469.0	513.4	567.7	607.9	659.9	716.8
35°	340.6	352.3	363.6	380.9	400.3	428.6	462.2	520.1	560.1	611.4	668.7
37.5°	314.8	321.9	334.4	348.1	368.5	389.6	418.7	470.7	514.0	564.3	622.9
40°	295.1	304.0	313.3	328.7	345.4	365.6	394.2	432.9	482.5	531.8	589.1
42.5°	275.9	287.2	297.1	307.4	325.6	345.9	369.3	402.0	452.6	499.3	555.0
45°	252.7	260.1	270.4	281.7	296.7	314.1	334.7	363.3	411.9	452.2	504.5
47.5°	225.9	236.6	243.3	254.3	268.6	285.1	304.3	329.0	368.5	406.2	454.7
50°	207.5	218.5	228.1	238.1	250.7	266.7	282.7	306.7	338.3	378.0	423.2
52.5°	191.7	201.4	210.8	220.8	233.2	247.8	263.0	284.0	311.1	347.6	391.6
55°	170.1	176.1	185.8	195.8	206.8	220.8	235.4	253.1	276.4	307.0	342.7
57.5°	148.0	155.0	162.6	172.7	183.8	194.6	207.7	223.7	242.1	269.8	300.3
60°	135.5	140.9	147.2	157.5	167.8	177.5	190.1	203.5	220.8	244.8	270.7
62.5°	121.7	126.7	132.5	141.5	151.6	160.4	171.5	185.7	200.3	222.1	244.9
65°	98.5	105.9	111.6	119.6	127.9	137.2	145.9	157.2	170.1	187.4	207.8
67.5°	81.7	85.4	90.7	98.0	106.5	114.5	122.7	131.5	142.8	156.1	172.3
70°	74.3	75.6	76.6	83.6	91.6	99.6	107.2	115.6	125.2	136.2	150.2
72.5°	65.5	66.8	68.0	71.1	77.5	85.4	93.4	99.6	108.7	117.8	129.1
75°	52.0	53.9	54.9	56.6	58.9	64.3	71.6	77.6	82.9	89.9	98.9
77.5°	39.6	40.7	41.7	43.5	44.9	47.4	51.5	57.0	62.0	66.0	72.2
80°	31.3	31.7	33.0	33.6	35.7	37.3	39.3	43.6	48.6	50.3	54.6
82.5°	23.5	23.9	25.0	25.7	26.6	28.0	30.5	31.7	35.6	37.7	40.5
85°	13.0	12.7	13.6	13.6	14.4	15.0	15.7	17.3	18.3	21.0	21.7
87.5°	7.4	7.2	7.2	7.0	6.7	6.9	6.8	6.7	6.8	7.2	7.8
90°	17.2	16.3	14.8	13.4	11.9	10.5	8.7	6.8	4.8	2.8	0.8
92.5°	19.4	18.9	18.2	17.5	16.8	16.0	15.7	15.9	16.1	16.2	16.4
95°	32.6	31.7	30.5	29.2	28.0	26.7	29.1	35.0	41.0	47.0	53.0
97.5°	43.2	42.5	39.6	36.6	33.7	30.8	37.7	54.6	71.4	88.2	105.0
100°	47.9	46.5	43.3	40.3	37.2	34.2	44.9	69.7	94.5	119.3	144.2
102.5°	49.6	47.7	73.5	99.2	124.9	150.7	166.1	171.4	176.6	181.9	187.2
105°	51.6	49.7	99.1	148.5	197.9	247.3	269.3	263.9	258.4	253.0	247.5
107.5°	67.5	69.6	128.8	188.1	247.3	306.6	334.0	329.6	325.2	320.8	316.5
110°	124.4	142.5	194.8	247.1	299.4	351.7	375.9	372.2	368.4	364.6	360.8



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	293.5	359.4	372.4	385.3	398.2	411.2	415.9	412.6	409.2	405.8	402.4
115°	418.7	502.5	497.9	493.5	488.9	484.4	480.5	477.5	474.4	471.4	468.2
117.5°	536.3	556.5	553.5	550.4	547.2	544.1	540.8	537.4	534.0	530.5	527.1
120°	599.1	596.9	593.7	590.4	587.2	583.9	580.9	578.2	575.5	572.7	570.1
122.5°	636.7	635.4	631.9	628.3	624.7	621.2	618.0	615.1	612.2	609.4	606.5
125°	689.5	688.1	684.7	681.3	677.9	674.4	671.5	669.1	666.8	664.4	662.1
127.5°	737.5	735.8	733.2	730.6	728.0	725.4	722.8	720.2	717.6	715.1	712.4
130°	768.3	766.3	764.4	762.3	760.4	758.4	755.9	753.0	750.1	747.3	744.4
132.5°	798.7	796.9	795.0	793.0	791.0	789.0	786.8	784.3	781.9	779.4	776.9
135°	841.4	839.6	838.0	836.4	834.7	833.1	830.9	828.0	825.1	822.2	819.3
137.5°	881.3	879.6	877.7	875.8	874.0	872.2	870.2	868.2	866.2	864.2	862.1
140°	907.2	905.6	903.7	901.6	899.6	897.7	895.9	894.5	893.0	891.6	890.1
142.5°	931.2	929.7	927.5	925.1	922.8	920.6	918.8	917.5	916.2	914.9	913.6
145°	964.7	963.4	960.4	957.3	954.2	951.1	949.7	949.9	950.0	950.2	950.4
147.5°	994.0	993.1	990.1	987.0	983.9	980.9	979.7	980.4	981.1	981.8	982.5
150°	1011.7	1010.7	1007.8	1004.9	1002.0	999.1	998.3	999.5	1000.8	1002.1	1003.4
152.5°	1028.1	1027.0	1024.2	1021.5	1018.7	1015.9	1015.3	1016.7	1018.1	1019.5	1020.9
155°	1050.0	1048.9	1046.8	1044.6	1042.4	1040.3	1040.0	1041.6	1043.2	1044.9	1046.5
157.5°	1068.4	1067.2	1065.7	1064.2	1062.7	1061.1	1061.0	1062.4	1063.8	1065.1	1066.5
160°	1079.3	1078.3	1077.2	1076.1	1075.0	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3
162.5°	1089.2	1088.1	1087.1	1086.1	1085.2	1084.2	1084.3	1085.4	1086.5	1087.6	1088.7
165°	1101.5	1100.3	1099.7	1099.1	1098.6	1098.1	1098.3	1099.4	1100.5	1101.6	1102.7
167.5°	1111.8	1110.5	1110.0	1109.5	1109.0	1108.5	1108.8	1109.8	1111.0	1112.1	1113.1
170°	1117.0	1115.7	1115.4	1115.0	1114.6	1114.3	1114.6	1115.7	1116.8	1117.8	1119.0
172.5°	1120.9	1119.6	1119.3	1118.9	1118.6	1118.2	1118.6	1119.6	1120.7	1121.8	1122.8
175°	1125.2	1123.8	1123.5	1123.1	1122.8	1122.4	1122.8	1124.1	1125.4	1126.7	1127.9
177.5°	1125.9	1124.8	1124.7	1124.5	1124.4	1124.3	1124.7	1125.7	1126.8	1127.7	1128.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331663-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	963.9	964.7	970.1	972.5	977.3	979.2	981.2	980.7	980.7	981.8	989.3
5°	966.0	972.7	982.7	992.3	1001.7	1009.7	1014.9	1020.3	1022.3	1032.0	1040.6
7.5°	962.6	974.8	991.3	1006.0	1023.7	1037.5	1048.9	1059.3	1066.3	1080.4	1094.8
10°	958.1	975.4	994.0	1013.0	1037.3	1055.6	1074.2	1088.6	1093.2	1114.2	1126.2
12.5°	949.0	972.1	995.9	1020.5	1044.2	1069.4	1089.9	1104.3	1120.7	1139.5	1161.6
15°	935.4	962.1	993.0	1024.7	1058.6	1089.2	1111.3	1136.2	1154.1	1174.8	1194.1
17.5°	915.9	950.2	989.5	1026.2	1065.4	1098.3	1128.6	1152.5	1165.2	1177.0	1179.9
20°	900.4	937.4	983.6	1027.0	1066.2	1104.2	1134.2	1154.1	1157.5	1157.8	1140.1
22.5°	883.7	925.4	973.8	1018.2	1065.1	1107.4	1130.7	1139.2	1126.1	1103.5	1069.3
25°	852.8	901.1	957.3	1008.0	1059.3	1099.2	1107.2	1092.3	1046.0	997.3	935.8
27.5°	819.4	873.6	934.0	990.2	1044.9	1069.7	1052.4	998.4	915.0	842.6	754.7
30°	794.9	855.8	915.1	978.0	1028.6	1039.3	999.7	920.1	822.9	713.6	626.1
32.5°	766.9	830.7	895.9	961.0	1003.4	992.9	927.5	829.5	715.5	608.1	525.3
35°	726.9	792.9	863.1	928.4	955.4	910.4	812.5	685.0	568.5	468.2	411.3
37.5°	680.8	752.6	825.6	885.6	883.7	808.7	675.4	543.7	445.8	386.5	345.9
40°	648.0	720.6	799.5	850.2	828.5	730.9	586.4	462.2	390.6	343.3	313.7
42.5°	616.6	689.5	767.9	808.1	770.4	650.5	506.5	409.2	350.1	313.3	289.2
45°	563.1	640.0	712.7	734.9	667.6	535.5	409.6	339.0	299.7	272.4	255.7
47.5°	510.9	586.5	652.7	653.2	562.1	434.3	345.5	293.4	259.8	238.7	226.6
50°	478.8	550.8	606.4	597.7	494.5	386.3	309.0	264.0	236.1	219.8	207.1
52.5°	442.9	512.6	560.8	536.2	437.2	339.9	276.3	238.5	215.3	201.2	189.8
55°	390.6	452.5	486.5	449.2	356.7	282.7	233.4	203.8	186.5	174.5	164.9
57.5°	339.3	390.3	411.7	368.3	293.7	234.4	197.4	175.2	158.0	149.5	144.5
60°	307.0	350.6	365.6	317.7	255.4	205.1	174.9	154.2	141.5	135.9	130.9
62.5°	275.4	310.9	317.2	273.2	222.7	179.6	153.6	136.1	127.7	122.3	117.5
65°	228.5	254.0	251.1	215.8	176.1	142.5	123.5	112.9	106.6	98.9	90.6
67.5°	188.1	203.8	194.3	167.8	134.5	110.8	98.4	90.3	82.5	75.2	73.3
70°	162.5	171.5	161.5	137.2	110.2	92.9	82.9	73.3	68.6	67.0	63.9
72.5°	138.0	141.2	130.4	109.5	89.7	77.0	67.2	61.8	59.3	57.9	55.9
75°	103.5	101.2	91.9	75.6	62.2	53.6	50.6	48.6	47.0	45.7	44.6
77.5°	72.8	69.3	61.0	50.4	43.3	39.2	37.5	36.4	35.6	34.9	33.9
80°	54.6	52.3	44.0	35.9	33.0	30.9	30.0	28.6	28.6	28.0	26.9
82.5°	39.9	37.4	30.1	26.4	24.7	23.5	22.7	21.9	21.7	21.8	21.1
85°	21.0	16.9	15.0	14.4	13.3	12.7	13.0	12.3	12.3	12.3	11.9
87.5°	7.0	6.1	6.2	6.2	6.9	7.2	7.2	7.5	8.0	7.9	8.4
90°	2.8	4.8	6.8	8.7	10.5	11.9	13.4	14.8	16.3	17.2	18.1
92.5°	16.2	16.1	15.9	15.7	16.0	16.8	17.5	18.2	18.9	19.4	19.8
95°	47.0	41.0	35.0	29.1	26.7	28.0	29.2	30.5	31.7	32.6	33.5
97.5°	88.2	71.4	54.6	37.7	30.8	33.7	36.6	39.6	42.5	43.2	44.0
100°	119.3	94.5	69.7	44.9	34.2	37.2	40.3	43.3	46.5	47.9	49.3
102.5°	181.9	176.6	171.4	166.1	150.7	124.9	99.2	73.5	47.7	49.6	51.5
105°	253.0	258.4	263.9	269.3	247.3	197.9	148.5	99.1	49.7	51.6	53.7
107.5°	320.8	325.2	329.6	334.0	306.6	247.3	188.1	128.8	69.6	67.5	65.5
110°	364.6	368.4	372.2	375.9	351.7	299.4	247.1	194.8	142.5	124.4	106.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	405.8	409.2	412.6	415.9	411.2	398.2	385.3	372.4	359.4	293.5	227.5
115°	471.4	474.4	477.5	480.5	484.4	488.9	493.5	497.9	502.5	418.7	334.9
117.5°	530.5	534.0	537.4	540.8	544.1	547.2	550.4	553.5	556.5	536.3	516.0
120°	572.7	575.5	578.2	580.9	583.9	587.2	590.4	593.7	596.9	599.1	601.3
122.5°	609.4	612.2	615.1	618.0	621.2	624.7	628.3	631.9	635.4	636.7	638.0
125°	664.4	666.8	669.1	671.5	674.4	677.9	681.3	684.7	688.1	689.5	690.7
127.5°	715.1	717.6	720.2	722.8	725.4	728.0	730.6	733.2	735.8	737.5	739.4
130°	747.3	750.1	753.0	755.9	758.4	760.4	762.3	764.4	766.3	768.3	770.3
132.5°	779.4	781.9	784.3	786.8	789.0	791.0	793.0	795.0	796.9	798.7	800.4
135°	822.2	825.1	828.0	830.9	833.1	834.7	836.4	838.0	839.6	841.4	843.3
137.5°	864.2	866.2	868.2	870.2	872.2	874.0	875.8	877.7	879.6	881.3	883.1
140°	891.6	893.0	894.5	895.9	897.7	899.6	901.6	903.7	905.6	907.2	908.8
142.5°	914.9	916.2	917.5	918.8	920.6	922.8	925.1	927.5	929.7	931.2	932.6
145°	950.2	950.0	949.9	949.7	951.1	954.2	957.3	960.4	963.4	964.7	966.0
147.5°	981.8	981.1	980.4	979.7	980.9	983.9	987.0	990.1	993.1	994.0	995.0
150°	1002.1	1000.8	999.5	998.3	999.1	1002.0	1004.9	1007.8	1010.7	1011.7	1012.8
152.5°	1019.5	1018.1	1016.7	1015.3	1015.9	1018.7	1021.5	1024.2	1027.0	1028.1	1029.1
155°	1044.9	1043.2	1041.6	1040.0	1040.3	1042.4	1044.6	1046.8	1048.9	1050.0	1051.1
157.5°	1065.1	1063.8	1062.4	1061.0	1061.1	1062.7	1064.2	1065.7	1067.2	1068.4	1069.6
160°	1077.2	1076.1	1075.0	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3	1079.3	1080.4
162.5°	1087.6	1086.5	1085.4	1084.3	1084.2	1085.2	1086.1	1087.1	1088.1	1089.2	1090.5
165°	1101.6	1100.5	1099.4	1098.3	1098.1	1098.6	1099.1	1099.7	1100.3	1101.5	1102.8
167.5°	1112.1	1111.0	1109.8	1108.8	1108.5	1109.0	1109.5	1110.0	1110.5	1111.8	1113.0
170°	1117.8	1116.8	1115.7	1114.6	1114.3	1114.6	1115.0	1115.4	1115.7	1117.0	1118.3
172.5°	1121.8	1120.7	1119.6	1118.6	1118.2	1118.6	1118.9	1119.3	1119.6	1120.9	1122.1
175°	1126.7	1125.4	1124.1	1122.8	1122.4	1122.8	1123.1	1123.5	1123.8	1125.2	1126.4
177.5°	1127.7	1126.8	1125.7	1124.7	1124.3	1124.4	1124.5	1124.7	1124.8	1125.9	1126.9
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	991.9	995.4	997.0	997.0	998.9	998.1	997.3
5°	1048.9	1055.3	1056.6	1062.6	1066.9	1065.6	1066.2
7.5°	1105.6	1115.8	1125.9	1130.4	1131.2	1133.9	1134.9
10°	1140.5	1148.9	1164.5	1162.2	1173.8	1180.4	1169.5
12.5°	1174.1	1185.4	1196.2	1199.2	1205.8	1207.9	1203.5
15°	1204.4	1210.4	1211.1	1209.4	1211.5	1209.8	1203.5
17.5°	1176.1	1166.4	1146.7	1137.3	1129.9	1119.0	1114.6
20°	1129.2	1100.5	1067.3	1053.9	1038.3	1007.6	1014.9
22.5°	1028.0	995.3	962.1	923.1	904.6	875.5	873.8
25°	870.5	814.2	752.2	708.9	683.7	654.7	642.0
27.5°	676.8	605.9	555.2	529.5	506.0	483.1	482.1
30°	549.5	496.1	456.9	434.9	420.6	410.9	413.0
32.5°	463.2	426.6	400.1	381.9	371.3	364.0	363.9
35°	378.6	353.7	336.6	329.0	321.4	316.0	316.4
37.5°	324.0	309.0	299.5	291.1	286.3	283.7	282.2
40°	296.0	283.7	276.4	271.4	267.4	263.8	263.1
42.5°	273.9	263.8	256.4	252.4	248.8	246.1	245.5
45°	243.1	234.8	228.1	223.7	222.1	219.8	219.8
47.5°	216.2	208.0	202.9	200.1	197.2	195.7	195.6
50°	198.1	191.8	187.2	185.5	183.2	182.2	181.8
52.5°	181.9	177.2	173.8	172.7	171.7	170.4	170.6
55°	159.8	157.2	155.9	154.8	153.2	151.1	152.5
57.5°	141.2	139.0	135.4	132.2	130.7	129.3	129.8
60°	128.2	123.5	118.9	115.2	114.2	111.2	111.2
62.5°	111.7	105.1	99.4	97.4	96.4	95.0	94.7
65°	85.9	83.3	81.9	80.6	79.9	79.9	79.3
67.5°	71.2	70.1	68.7	68.3	67.7	67.5	67.2
70°	63.0	61.6	60.9	60.6	59.9	60.3	59.3
72.5°	54.9	53.9	53.8	52.9	52.5	52.5	51.8
75°	43.2	43.2	43.0	42.6	42.0	41.6	42.0
77.5°	33.3	33.3	32.7	32.7	32.6	32.7	32.4
80°	26.7	26.9	26.7	26.3	25.9	26.3	25.9
82.5°	21.0	20.6	20.5	20.4	20.4	20.2	20.2
85°	11.9	12.3	11.9	11.7	11.7	11.7	11.9
87.5°	8.3	8.5	8.6	8.7	8.7	8.8	8.6
90°	19.0	19.9	20.5	20.9	21.2	21.7	22.0
92.5°	20.3	20.8	21.1	21.3	21.6	21.8	22.0
95°	34.5	35.4	35.8	35.6	35.4	35.2	35.0
97.5°	44.7	45.4	45.8	46.1	46.3	46.5	46.7
100°	50.7	52.3	53.1	53.5	53.9	54.2	54.6
102.5°	53.4	55.3	56.4	57.0	57.4	58.0	58.5
105°	55.6	57.6	59.0	59.7	60.5	61.2	61.9
107.5°	63.5	61.4	60.8	61.5	62.2	63.0	63.7
110°	88.2	70.1	61.4	62.2	62.9	63.6	64.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	161.4	95.4	62.7	63.2	63.8	64.4	65.0
115°	251.1	167.3	118.9	105.8	92.8	79.8	66.8
117.5°	495.8	475.5	443.9	401.1	358.3	315.5	272.7
120°	603.5	605.6	594.5	570.1	545.6	521.2	496.8
122.5°	639.3	640.6	638.9	634.2	629.4	624.6	619.9
125°	692.0	693.2	694.1	694.6	695.2	695.8	696.3
127.5°	741.3	743.2	744.0	744.2	744.3	744.4	744.5
130°	772.3	774.3	775.3	775.1	774.8	774.6	774.5
132.5°	802.1	803.8	804.5	804.3	804.1	804.0	803.8
135°	845.1	846.9	847.6	847.2	846.9	846.5	846.1
137.5°	884.8	886.6	887.3	886.6	886.0	885.4	884.8
140°	910.5	912.1	912.5	911.6	910.7	909.8	908.8
142.5°	934.2	935.7	935.9	935.0	934.2	933.3	932.3
145°	967.2	968.5	968.7	967.8	966.9	966.0	965.1
147.5°	995.9	996.8	996.9	996.1	995.4	994.6	993.9
150°	1014.0	1015.0	1015.1	1014.2	1013.3	1012.4	1011.5
152.5°	1030.2	1031.3	1031.3	1030.0	1028.9	1027.7	1026.4
155°	1052.2	1053.3	1053.1	1051.7	1050.2	1048.7	1047.3
157.5°	1070.9	1072.1	1072.0	1070.6	1069.2	1067.7	1066.4
160°	1081.6	1082.6	1082.5	1081.2	1080.0	1078.7	1077.5
162.5°	1091.7	1093.0	1092.8	1091.3	1089.7	1088.2	1086.5
165°	1104.0	1105.3	1105.3	1104.0	1102.8	1101.5	1100.3
167.5°	1114.3	1115.6	1115.4	1113.7	1112.1	1110.5	1108.8
170°	1119.5	1120.8	1120.6	1119.0	1117.3	1115.7	1114.1
172.5°	1123.5	1124.7	1124.5	1122.8	1121.2	1119.6	1118.0
175°	1127.7	1128.9	1128.6	1126.9	1125.1	1123.2	1121.4
177.5°	1127.9	1128.9	1128.7	1127.5	1126.1	1124.8	1123.6
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5

(END OF REPORT)