

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: P331664-940

Luminaire Tested: **SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331664-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
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-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4609.1 lumens
Efficiency: N/A
Efficacy: 103.6 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

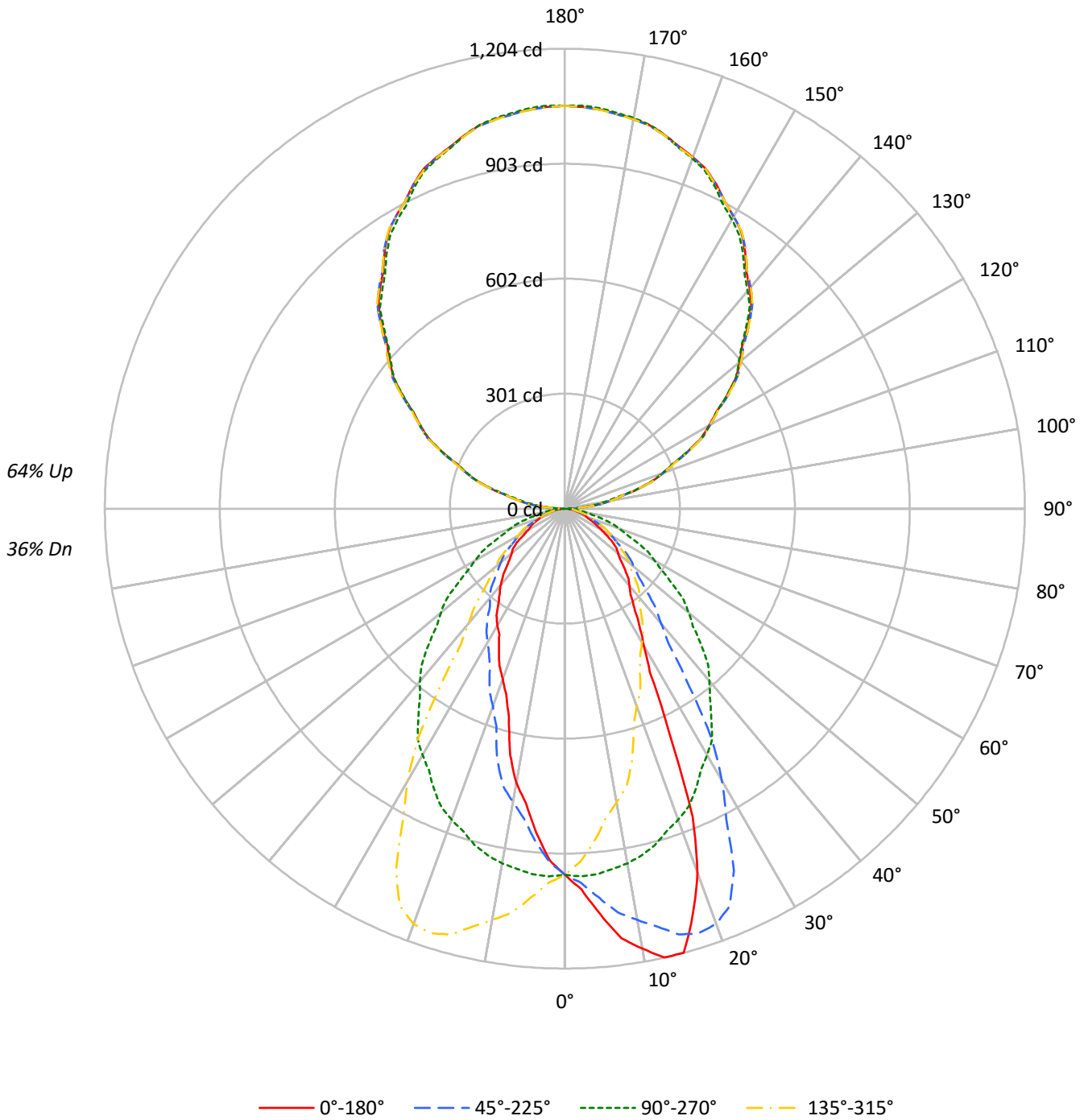
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	88	84	86	83	80	77	67	65	63	52	51	50	39	38	38	31
2	87	80	75	70	79	73	68	64	59	56	53	47	44	43	35	34	33	27
3	80	71	64	59	72	65	59	54	53	49	45	42	39	37	32	30	28	24
4	73	63	56	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21
5	67	57	49	43	61	52	45	40	43	38	34	34	31	28	26	24	22	19
6	62	51	43	38	56	47	40	35	39	34	30	31	28	25	24	22	20	17
7	58	46	39	33	52	42	36	31	35	30	27	28	25	22	22	20	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	38	31	27	45	35	29	25	30	25	21	24	21	18	19	17	15	13
10	47	35	28	24	43	33	27	22	27	23	19	22	19	17	18	15	14	12

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



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	2.0
10°-20°	253.1	5.5
20°-30°	326.2	7.1
30°-40°	310.0	6.7
40°-50°	265.6	5.8
50°-60°	202.2	4.4
60°-70°	127.8	2.8
70°-80°	63.8	1.4
80°-90°	20.8	0.5
90°-100°	66.8	1.4
100°-110°	207.5	4.5
110°-120°	354.7	7.7
120°-130°	466.5	10.1
130°-140°	523.6	11.4
140°-150°	513.4	11.1
150°-160°	430.6	9.3
160°-170°	285.6	6.2
170°-180°	99.8	2.2
0°-30°	670.2	14.5
0°-40°	980.2	21.3
0°-60°	1448.0	31.4
0°-90°	1660.5	36.0
90°-120°	629.1	13.6
90°-150°	2132.6	46.3
90°-180°	2949.0	64.0
0°-180°	4609.1	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	14
90°	30	1	30	1	30	14
95°	55	46	55	46	55	62
105°	198	191	198	191	198	208
115°	356	356	356	356	356	352
125°	520	518	520	518	520	463
135°	678	670	678	670	678	522
145°	822	813	822	813	822	513
155°	937	930	937	930	937	431
165°	1013	1012	1013	1012	1013	286
175°	1049	1053	1049	1053	1049	100
180°	1054	1054	1054	1054	1054	



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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°	10.3	10.5	10.5	10.4	10.4	10.4	10.5	10.9	10.7	11.1	9.9
90°	30.2	30.1	29.9	29.7	29.4	29.6	30.0	30.3	30.8	31.1	26.8
92.5°	28.8	28.8	28.7	28.7	28.7	28.6	28.5	28.4	28.4	28.3	27.3
95°	55.2	55.6	56.0	56.4	56.7	57.0	57.0	57.0	57.0	57.0	56.5
97.5°	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.0
100°	121.9	122.1	122.3	122.5	122.7	122.8	122.8	122.8	122.8	122.8	122.3
102.5°	151.9	152.0	152.2	152.4	152.6	152.7	152.5	152.3	152.1	152.0	151.2
105°	197.5	197.5	197.5	197.5	197.5	197.3	197.0	196.5	196.2	195.7	195.4
107.5°	240.6	241.6	242.5	243.3	244.2	244.6	244.5	244.3	244.2	244.0	244.0
110°	274.1	274.6	275.3	275.9	276.4	276.8	276.8	276.8	276.8	276.8	276.8



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	306.1	306.6	307.0	307.5	307.8	308.4	308.8	309.2	309.8	310.2	310.4
115°	356.0	356.5	357.1	357.8	358.3	358.7	358.9	359.1	359.4	359.5	359.9
117.5°	403.5	404.0	404.7	405.3	405.8	406.4	406.9	407.3	407.8	408.3	409.4
120°	436.9	437.6	438.1	438.7	439.3	439.6	439.6	439.6	439.6	439.6	441.2
122.5°	469.7	470.1	470.6	471.0	471.4	471.9	472.3	472.8	473.3	473.8	474.9
125°	519.7	519.9	520.0	520.3	520.5	520.8	521.5	522.1	522.6	523.3	523.9
127.5°	565.3	565.9	566.5	567.1	567.8	568.5	569.2	569.9	570.6	571.3	572.0
130°	598.0	598.8	599.6	600.4	601.2	601.7	602.2	602.5	603.0	603.3	603.8
132.5°	629.4	630.0	630.6	631.2	631.9	632.6	633.5	634.4	635.3	636.1	636.0
135°	678.1	678.7	679.3	679.8	680.5	680.8	681.1	681.3	681.4	681.6	681.3
137.5°	722.2	723.0	723.8	724.6	725.4	725.9	726.0	726.2	726.4	726.5	726.0
140°	752.9	753.7	754.4	755.2	756.0	756.4	756.4	756.4	756.4	756.4	755.5
142.5°	780.6	781.4	782.2	783.0	783.8	784.1	783.9	783.8	783.6	783.5	782.7
145°	822.2	823.0	823.9	824.7	825.5	825.7	825.5	825.3	825.1	824.9	823.8
147.5°	859.4	860.2	860.9	861.7	862.5	862.6	862.2	861.7	861.3	860.9	860.1
150°	883.7	884.2	884.8	885.5	886.0	886.0	885.5	884.8	884.2	883.7	882.9
152.5°	906.4	907.2	907.9	908.7	909.5	909.5	908.7	907.9	907.2	906.4	905.4
155°	937.0	937.6	938.3	938.8	939.4	939.2	938.3	937.3	936.3	935.2	934.7
157.5°	963.4	964.3	965.3	966.3	967.1	967.0	965.6	964.3	963.0	961.6	961.3
160°	979.7	980.5	981.3	982.1	982.9	982.8	981.5	980.3	979.2	977.9	977.8
162.5°	994.0	995.0	995.9	996.8	997.8	997.6	996.2	994.9	993.5	992.2	992.0
165°	1012.7	1013.7	1014.7	1015.7	1016.6	1016.5	1015.0	1013.7	1012.3	1010.9	1010.9
167.5°	1028.0	1029.0	1030.0	1031.1	1032.1	1031.9	1030.6	1029.1	1027.8	1026.4	1026.4
170°	1035.8	1037.0	1038.2	1039.4	1040.5	1040.4	1039.1	1037.7	1036.3	1034.9	1035.1
172.5°	1042.2	1043.4	1044.6	1045.8	1047.0	1046.9	1045.5	1044.1	1042.8	1041.3	1041.5
175°	1049.2	1050.3	1051.5	1052.8	1053.9	1053.8	1052.4	1051.1	1049.6	1048.3	1048.7
177.5°	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1	1055.3	1054.3	1053.3	1052.4	1052.7
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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°	9.0	8.4	7.6	6.6	6.4	6.2	7.0	7.9	7.3	7.0	7.0
90°	22.5	18.1	13.7	10.3	8.0	5.6	3.3	0.9	3.3	5.6	8.0
92.5°	26.2	25.2	24.2	22.8	21.0	19.4	17.6	15.9	17.6	19.4	21.0
95°	56.2	55.7	55.4	54.2	52.2	50.2	48.2	46.3	48.2	50.2	52.2
97.5°	94.3	93.5	92.7	91.5	89.8	88.0	86.3	84.5	86.3	88.0	89.8
100°	121.6	121.0	120.5	119.3	117.8	116.2	114.6	113.0	114.6	116.2	117.8
102.5°	150.5	149.7	149.0	147.9	146.7	145.4	144.2	142.9	144.2	145.4	146.7
105°	195.0	194.6	194.2	193.7	193.1	192.5	191.9	191.4	191.9	192.5	193.1
107.5°	244.0	244.0	244.0	243.6	242.7	241.8	240.9	240.0	240.9	241.8	242.7
110°	276.8	276.8	276.8	276.2	275.0	273.8	272.6	271.4	272.6	273.8	275.0



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	310.5	310.7	310.9	310.3	309.2	308.0	306.7	305.6	306.7	308.0	309.2
115°	360.3	360.7	361.1	360.7	359.5	358.3	357.1	356.0	357.1	358.3	359.5
117.5°	410.5	411.6	412.7	412.5	410.9	409.3	407.7	406.2	407.7	409.3	410.9
120°	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6	441.2	442.7	444.3
122.5°	476.0	477.1	478.2	477.8	475.9	474.0	472.1	470.2	472.1	474.0	475.9
125°	524.4	525.0	525.7	525.0	523.3	521.5	519.7	517.9	519.7	521.5	523.3
127.5°	572.7	573.5	574.2	573.4	571.1	568.9	566.6	564.4	566.6	568.9	571.1
130°	604.1	604.5	604.9	603.9	601.3	598.7	596.1	593.5	596.1	598.7	601.3
132.5°	636.0	635.9	635.8	634.7	632.6	630.5	628.4	626.3	628.4	630.5	632.6
135°	680.8	680.5	680.1	678.8	676.6	674.4	672.3	670.1	672.3	674.4	676.6
137.5°	725.5	725.0	724.4	723.3	721.5	719.7	717.9	716.2	717.9	719.7	721.5
140°	754.4	753.4	752.4	751.1	749.3	747.5	745.7	744.0	745.7	747.5	749.3
142.5°	782.1	781.4	780.8	779.5	777.8	776.0	774.2	772.4	774.2	776.0	777.8
145°	822.5	821.4	820.2	818.9	817.5	816.1	814.8	813.3	814.8	816.1	817.5
147.5°	859.3	858.5	857.7	856.5	854.8	853.2	851.5	849.8	851.5	853.2	854.8
150°	882.1	881.3	880.5	879.5	878.3	877.1	875.9	874.8	875.9	877.1	878.3
152.5°	904.6	903.6	902.7	901.6	900.4	899.2	898.0	896.8	898.0	899.2	900.4
155°	934.1	933.5	932.9	932.3	931.7	931.1	930.5	930.0	930.5	931.1	931.7
157.5°	960.9	960.6	960.2	959.8	959.4	959.0	958.6	958.2	958.6	959.0	959.4
160°	977.6	977.4	977.2	976.9	976.5	976.1	975.7	975.4	975.7	976.1	976.5
162.5°	991.8	991.7	991.4	991.3	991.2	991.1	991.0	991.0	991.0	991.1	991.2
165°	1010.9	1010.9	1010.9	1011.0	1011.2	1011.4	1011.6	1011.8	1011.6	1011.4	1011.2
167.5°	1026.4	1026.5	1026.5	1026.9	1027.4	1028.1	1028.7	1029.2	1028.7	1028.1	1027.4
170°	1035.4	1035.5	1035.7	1036.1	1036.7	1037.3	1037.9	1038.5	1037.9	1037.3	1036.7
172.5°	1041.7	1042.0	1042.1	1042.5	1043.1	1043.7	1044.3	1044.9	1044.3	1043.7	1043.1
175°	1049.1	1049.5	1049.9	1050.3	1051.0	1051.5	1052.1	1052.8	1052.1	1051.5	1051.0
177.5°	1053.0	1053.3	1053.6	1054.0	1054.5	1055.0	1055.4	1056.0	1055.4	1055.0	1054.5
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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°	7.1	7.6	7.8	8.7	9.6	10.3	10.2	9.8	9.7	9.6	9.4
90°	10.3	13.7	18.1	22.5	26.8	31.1	30.8	30.3	30.0	29.6	29.4
92.5°	22.8	24.2	25.2	26.2	27.3	28.3	28.4	28.4	28.5	28.6	28.7
95°	54.2	55.4	55.7	56.2	56.5	57.0	57.0	57.0	57.0	57.0	56.7
97.5°	91.5	92.7	93.5	94.3	95.0	95.8	95.8	95.8	95.8	95.8	95.8
100°	119.3	120.5	121.0	121.6	122.3	122.8	122.8	122.8	122.8	122.8	122.7
102.5°	147.9	149.0	149.7	150.5	151.2	152.0	152.1	152.3	152.5	152.7	152.6
105°	193.7	194.2	194.6	195.0	195.4	195.7	196.2	196.5	197.0	197.3	197.5
107.5°	243.6	244.0	244.0	244.0	244.0	244.0	244.2	244.3	244.5	244.6	244.2
110°	276.2	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.4



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.3	310.9	310.7	310.5	310.4	310.2	309.8	309.2	308.8	308.4	307.8
115°	360.7	361.1	360.7	360.3	359.9	359.5	359.4	359.1	358.9	358.7	358.3
117.5°	412.5	412.7	411.6	410.5	409.4	408.3	407.8	407.3	406.9	406.4	405.8
120°	445.9	445.9	444.3	442.7	441.2	439.6	439.6	439.6	439.6	439.6	439.3
122.5°	477.8	478.2	477.1	476.0	474.9	473.8	473.3	472.8	472.3	471.9	471.4
125°	525.0	525.7	525.0	524.4	523.9	523.3	522.6	522.1	521.5	520.8	520.5
127.5°	573.4	574.2	573.5	572.7	572.0	571.3	570.6	569.9	569.2	568.5	567.8
130°	603.9	604.9	604.5	604.1	603.8	603.3	603.0	602.5	602.2	601.7	601.2
132.5°	634.7	635.8	635.9	636.0	636.0	636.1	635.3	634.4	633.5	632.6	631.9
135°	678.8	680.1	680.5	680.8	681.3	681.6	681.4	681.3	681.1	680.8	680.5
137.5°	723.3	724.4	725.0	725.5	726.0	726.5	726.4	726.2	726.0	725.9	725.4
140°	751.1	752.4	753.4	754.4	755.5	756.4	756.4	756.4	756.4	756.4	756.0
142.5°	779.5	780.8	781.4	782.1	782.7	783.5	783.6	783.8	783.9	784.1	783.8
145°	818.9	820.2	821.4	822.5	823.8	824.9	825.1	825.3	825.5	825.7	825.5
147.5°	856.5	857.7	858.5	859.3	860.1	860.9	861.3	861.7	862.2	862.6	862.5
150°	879.5	880.5	881.3	882.1	882.9	883.7	884.2	884.8	885.5	886.0	886.0
152.5°	901.6	902.7	903.6	904.6	905.4	906.4	907.2	907.9	908.7	909.5	909.5
155°	932.3	932.9	933.5	934.1	934.7	935.2	936.3	937.3	938.3	939.2	939.4
157.5°	959.8	960.2	960.6	960.9	961.3	961.6	963.0	964.3	965.6	967.0	967.1
160°	976.9	977.2	977.4	977.6	977.8	977.9	979.2	980.3	981.5	982.8	982.9
162.5°	991.3	991.4	991.7	991.8	992.0	992.2	993.5	994.9	996.2	997.6	997.8
165°	1011.0	1010.9	1010.9	1010.9	1010.9	1010.9	1012.3	1013.7	1015.0	1016.5	1016.6
167.5°	1026.9	1026.5	1026.5	1026.4	1026.4	1026.4	1027.8	1029.1	1030.6	1031.9	1032.1
170°	1036.1	1035.7	1035.5	1035.4	1035.1	1034.9	1036.3	1037.7	1039.1	1040.4	1040.5
172.5°	1042.5	1042.1	1042.0	1041.7	1041.5	1041.3	1042.8	1044.1	1045.5	1046.9	1047.0
175°	1050.3	1049.9	1049.5	1049.1	1048.7	1048.3	1049.6	1051.1	1052.4	1053.8	1053.9
177.5°	1054.0	1053.6	1053.3	1053.0	1052.7	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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°	9.4	9.2	9.5	9.3	9.5	9.2	9.4	9.4	9.6	9.7	9.8
90°	29.7	29.9	30.1	30.2	30.1	29.9	29.7	29.4	29.6	30.0	30.3
92.5°	28.7	28.7	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.5	28.4
95°	56.4	56.0	55.6	55.2	55.6	56.0	56.4	56.7	57.0	57.0	57.0
97.5°	95.7	95.7	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8
100°	122.5	122.3	122.1	121.9	122.1	122.3	122.5	122.7	122.8	122.8	122.8
102.5°	152.4	152.2	152.0	151.9	152.0	152.2	152.4	152.6	152.7	152.5	152.3
105°	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.3	197.0	196.5
107.5°	243.3	242.5	241.6	240.6	241.6	242.5	243.3	244.2	244.6	244.5	244.3
110°	275.9	275.3	274.6	274.1	274.6	275.3	275.9	276.4	276.8	276.8	276.8



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	307.5	307.0	306.6	306.1	306.6	307.0	307.5	307.8	308.4	308.8	309.2
115°	357.8	357.1	356.5	356.0	356.5	357.1	357.8	358.3	358.7	358.9	359.1
117.5°	405.3	404.7	404.0	403.5	404.0	404.7	405.3	405.8	406.4	406.9	407.3
120°	438.7	438.1	437.6	436.9	437.6	438.1	438.7	439.3	439.6	439.6	439.6
122.5°	471.0	470.6	470.1	469.7	470.1	470.6	471.0	471.4	471.9	472.3	472.8
125°	520.3	520.0	519.9	519.7	519.9	520.0	520.3	520.5	520.8	521.5	522.1
127.5°	567.1	566.5	565.9	565.3	565.9	566.5	567.1	567.8	568.5	569.2	569.9
130°	600.4	599.6	598.8	598.0	598.8	599.6	600.4	601.2	601.7	602.2	602.5
132.5°	631.2	630.6	630.0	629.4	630.0	630.6	631.2	631.9	632.6	633.5	634.4
135°	679.8	679.3	678.7	678.1	678.7	679.3	679.8	680.5	680.8	681.1	681.3
137.5°	724.6	723.8	723.0	722.2	723.0	723.8	724.6	725.4	725.9	726.0	726.2
140°	755.2	754.4	753.7	752.9	753.7	754.4	755.2	756.0	756.4	756.4	756.4
142.5°	783.0	782.2	781.4	780.6	781.4	782.2	783.0	783.8	784.1	783.9	783.8
145°	824.7	823.9	823.0	822.2	823.0	823.9	824.7	825.5	825.7	825.5	825.3
147.5°	861.7	860.9	860.2	859.4	860.2	860.9	861.7	862.5	862.6	862.2	861.7
150°	885.5	884.8	884.2	883.7	884.2	884.8	885.5	886.0	886.0	885.5	884.8
152.5°	908.7	907.9	907.2	906.4	907.2	907.9	908.7	909.5	909.5	908.7	907.9
155°	938.8	938.3	937.6	937.0	937.6	938.3	938.8	939.4	939.2	938.3	937.3
157.5°	966.3	965.3	964.3	963.4	964.3	965.3	966.3	967.1	967.0	965.6	964.3
160°	982.1	981.3	980.5	979.7	980.5	981.3	982.1	982.9	982.8	981.5	980.3
162.5°	996.8	995.9	995.0	994.0	995.0	995.9	996.8	997.8	997.6	996.2	994.9
165°	1015.7	1014.7	1013.7	1012.7	1013.7	1014.7	1015.7	1016.6	1016.5	1015.0	1013.7
167.5°	1031.1	1030.0	1029.0	1028.0	1029.0	1030.0	1031.1	1032.1	1031.9	1030.6	1029.1
170°	1039.4	1038.2	1037.0	1035.8	1037.0	1038.2	1039.4	1040.5	1040.4	1039.1	1037.7
172.5°	1045.8	1044.6	1043.4	1042.2	1043.4	1044.6	1045.8	1047.0	1046.9	1045.5	1044.1
175°	1052.8	1051.5	1050.3	1049.2	1050.3	1051.5	1052.8	1053.9	1053.8	1052.4	1051.1
177.5°	1055.3	1054.3	1053.3	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1	1055.3	1054.3
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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°	10.2	10.3	9.6	8.7	7.8	7.6	7.1	7.0	7.0	7.3	7.9
90°	30.8	31.1	26.8	22.5	18.1	13.7	10.3	8.0	5.6	3.3	0.9
92.5°	28.4	28.3	27.3	26.2	25.2	24.2	22.8	21.0	19.4	17.6	15.9
95°	57.0	57.0	56.5	56.2	55.7	55.4	54.2	52.2	50.2	48.2	46.3
97.5°	95.8	95.8	95.0	94.3	93.5	92.7	91.5	89.8	88.0	86.3	84.5
100°	122.8	122.8	122.3	121.6	121.0	120.5	119.3	117.8	116.2	114.6	113.0
102.5°	152.1	152.0	151.2	150.5	149.7	149.0	147.9	146.7	145.4	144.2	142.9
105°	196.2	195.7	195.4	195.0	194.6	194.2	193.7	193.1	192.5	191.9	191.4
107.5°	244.2	244.0	244.0	244.0	244.0	244.0	243.6	242.7	241.8	240.9	240.0
110°	276.8	276.8	276.8	276.8	276.8	276.8	276.2	275.0	273.8	272.6	271.4



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	309.8	310.2	310.4	310.5	310.7	310.9	310.3	309.2	308.0	306.7	305.6
115°	359.4	359.5	359.9	360.3	360.7	361.1	360.7	359.5	358.3	357.1	356.0
117.5°	407.8	408.3	409.4	410.5	411.6	412.7	412.5	410.9	409.3	407.7	406.2
120°	439.6	439.6	441.2	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6
122.5°	473.3	473.8	474.9	476.0	477.1	478.2	477.8	475.9	474.0	472.1	470.2
125°	522.6	523.3	523.9	524.4	525.0	525.7	525.0	523.3	521.5	519.7	517.9
127.5°	570.6	571.3	572.0	572.7	573.5	574.2	573.4	571.1	568.9	566.6	564.4
130°	603.0	603.3	603.8	604.1	604.5	604.9	603.9	601.3	598.7	596.1	593.5
132.5°	635.3	636.1	636.0	636.0	635.9	635.8	634.7	632.6	630.5	628.4	626.3
135°	681.4	681.6	681.3	680.8	680.5	680.1	678.8	676.6	674.4	672.3	670.1
137.5°	726.4	726.5	726.0	725.5	725.0	724.4	723.3	721.5	719.7	717.9	716.2
140°	756.4	756.4	755.5	754.4	753.4	752.4	751.1	749.3	747.5	745.7	744.0
142.5°	783.6	783.5	782.7	782.1	781.4	780.8	779.5	777.8	776.0	774.2	772.4
145°	825.1	824.9	823.8	822.5	821.4	820.2	818.9	817.5	816.1	814.8	813.3
147.5°	861.3	860.9	860.1	859.3	858.5	857.7	856.5	854.8	853.2	851.5	849.8
150°	884.2	883.7	882.9	882.1	881.3	880.5	879.5	878.3	877.1	875.9	874.8
152.5°	907.2	906.4	905.4	904.6	903.6	902.7	901.6	900.4	899.2	898.0	896.8
155°	936.3	935.2	934.7	934.1	933.5	932.9	932.3	931.7	931.1	930.5	930.0
157.5°	963.0	961.6	961.3	960.9	960.6	960.2	959.8	959.4	959.0	958.6	958.2
160°	979.2	977.9	977.8	977.6	977.4	977.2	976.9	976.5	976.1	975.7	975.4
162.5°	993.5	992.2	992.0	991.8	991.7	991.4	991.3	991.2	991.1	991.0	991.0
165°	1012.3	1010.9	1010.9	1010.9	1010.9	1010.9	1011.0	1011.2	1011.4	1011.6	1011.8
167.5°	1027.8	1026.4	1026.4	1026.4	1026.5	1026.5	1026.9	1027.4	1028.1	1028.7	1029.2
170°	1036.3	1034.9	1035.1	1035.4	1035.5	1035.7	1036.1	1036.7	1037.3	1037.9	1038.5
172.5°	1042.8	1041.3	1041.5	1041.7	1042.0	1042.1	1042.5	1043.1	1043.7	1044.3	1044.9
175°	1049.6	1048.3	1048.7	1049.1	1049.5	1049.9	1050.3	1051.0	1051.5	1052.1	1052.8
177.5°	1053.3	1052.4	1052.7	1053.0	1053.3	1053.6	1054.0	1054.5	1055.0	1055.4	1056.0
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331664-940
 CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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	6.2	6.4	6.6	7.6	8.4	9.0	9.9	11.1	10.7	10.9
90°	3.3	5.6	8.0	10.3	13.7	18.1	22.5	26.8	31.1	30.8	30.3
92.5°	17.6	19.4	21.0	22.8	24.2	25.2	26.2	27.3	28.3	28.4	28.4
95°	48.2	50.2	52.2	54.2	55.4	55.7	56.2	56.5	57.0	57.0	57.0
97.5°	86.3	88.0	89.8	91.5	92.7	93.5	94.3	95.0	95.8	95.8	95.8
100°	114.6	116.2	117.8	119.3	120.5	121.0	121.6	122.3	122.8	122.8	122.8
102.5°	144.2	145.4	146.7	147.9	149.0	149.7	150.5	151.2	152.0	152.1	152.3
105°	191.9	192.5	193.1	193.7	194.2	194.6	195.0	195.4	195.7	196.2	196.5
107.5°	240.9	241.8	242.7	243.6	244.0	244.0	244.0	244.0	244.0	244.2	244.3
110°	272.6	273.8	275.0	276.2	276.8	276.8	276.8	276.8	276.8	276.8	276.8



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.7	308.0	309.2	310.3	310.9	310.7	310.5	310.4	310.2	309.8	309.2
115°	357.1	358.3	359.5	360.7	361.1	360.7	360.3	359.9	359.5	359.4	359.1
117.5°	407.7	409.3	410.9	412.5	412.7	411.6	410.5	409.4	408.3	407.8	407.3
120°	441.2	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6	439.6	439.6
122.5°	472.1	474.0	475.9	477.8	478.2	477.1	476.0	474.9	473.8	473.3	472.8
125°	519.7	521.5	523.3	525.0	525.7	525.0	524.4	523.9	523.3	522.6	522.1
127.5°	566.6	568.9	571.1	573.4	574.2	573.5	572.7	572.0	571.3	570.6	569.9
130°	596.1	598.7	601.3	603.9	604.9	604.5	604.1	603.8	603.3	603.0	602.5
132.5°	628.4	630.5	632.6	634.7	635.8	635.9	636.0	636.0	636.1	635.3	634.4
135°	672.3	674.4	676.6	678.8	680.1	680.5	680.8	681.3	681.6	681.4	681.3
137.5°	717.9	719.7	721.5	723.3	724.4	725.0	725.5	726.0	726.5	726.4	726.2
140°	745.7	747.5	749.3	751.1	752.4	753.4	754.4	755.5	756.4	756.4	756.4
142.5°	774.2	776.0	777.8	779.5	780.8	781.4	782.1	782.7	783.5	783.6	783.8
145°	814.8	816.1	817.5	818.9	820.2	821.4	822.5	823.8	824.9	825.1	825.3
147.5°	851.5	853.2	854.8	856.5	857.7	858.5	859.3	860.1	860.9	861.3	861.7
150°	875.9	877.1	878.3	879.5	880.5	881.3	882.1	882.9	883.7	884.2	884.8
152.5°	898.0	899.2	900.4	901.6	902.7	903.6	904.6	905.4	906.4	907.2	907.9
155°	930.5	931.1	931.7	932.3	932.9	933.5	934.1	934.7	935.2	936.3	937.3
157.5°	958.6	959.0	959.4	959.8	960.2	960.6	960.9	961.3	961.6	963.0	964.3
160°	975.7	976.1	976.5	976.9	977.2	977.4	977.6	977.8	977.9	979.2	980.3
162.5°	991.0	991.1	991.2	991.3	991.4	991.7	991.8	992.0	992.2	993.5	994.9
165°	1011.6	1011.4	1011.2	1011.0	1010.9	1010.9	1010.9	1010.9	1010.9	1012.3	1013.7
167.5°	1028.7	1028.1	1027.4	1026.9	1026.5	1026.5	1026.4	1026.4	1026.4	1027.8	1029.1
170°	1037.9	1037.3	1036.7	1036.1	1035.7	1035.5	1035.4	1035.1	1034.9	1036.3	1037.7
172.5°	1044.3	1043.7	1043.1	1042.5	1042.1	1042.0	1041.7	1041.5	1041.3	1042.8	1044.1
175°	1052.1	1051.5	1051.0	1050.3	1049.9	1049.5	1049.1	1048.7	1048.3	1049.6	1051.1
177.5°	1055.4	1055.0	1054.5	1054.0	1053.6	1053.3	1053.0	1052.7	1052.4	1053.3	1054.3
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

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°	10.5	10.4	10.4	10.4	10.5	10.5	10.3
90°	30.0	29.6	29.4	29.7	29.9	30.1	30.2
92.5°	28.5	28.6	28.7	28.7	28.7	28.8	28.8
95°	57.0	57.0	56.7	56.4	56.0	55.6	55.2
97.5°	95.8	95.8	95.8	95.7	95.7	95.6	95.6
100°	122.8	122.8	122.7	122.5	122.3	122.1	121.9
102.5°	152.5	152.7	152.6	152.4	152.2	152.0	151.9
105°	197.0	197.3	197.5	197.5	197.5	197.5	197.5
107.5°	244.5	244.6	244.2	243.3	242.5	241.6	240.6
110°	276.8	276.8	276.4	275.9	275.3	274.6	274.1



TEST NUMBER: P331664-940

CATALOG NUMBER: SA2XXRDIP-C485D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	308.8	308.4	307.8	307.5	307.0	306.6	306.1
115°	358.9	358.7	358.3	357.8	357.1	356.5	356.0
117.5°	406.9	406.4	405.8	405.3	404.7	404.0	403.5
120°	439.6	439.6	439.3	438.7	438.1	437.6	436.9
122.5°	472.3	471.9	471.4	471.0	470.6	470.1	469.7
125°	521.5	520.8	520.5	520.3	520.0	519.9	519.7
127.5°	569.2	568.5	567.8	567.1	566.5	565.9	565.3
130°	602.2	601.7	601.2	600.4	599.6	598.8	598.0
132.5°	633.5	632.6	631.9	631.2	630.6	630.0	629.4
135°	681.1	680.8	680.5	679.8	679.3	678.7	678.1
137.5°	726.0	725.9	725.4	724.6	723.8	723.0	722.2
140°	756.4	756.4	756.0	755.2	754.4	753.7	752.9
142.5°	783.9	784.1	783.8	783.0	782.2	781.4	780.6
145°	825.5	825.7	825.5	824.7	823.9	823.0	822.2
147.5°	862.2	862.6	862.5	861.7	860.9	860.2	859.4
150°	885.5	886.0	886.0	885.5	884.8	884.2	883.7
152.5°	908.7	909.5	909.5	908.7	907.9	907.2	906.4
155°	938.3	939.2	939.4	938.8	938.3	937.6	937.0
157.5°	965.6	967.0	967.1	966.3	965.3	964.3	963.4
160°	981.5	982.8	982.9	982.1	981.3	980.5	979.7
162.5°	996.2	997.6	997.8	996.8	995.9	995.0	994.0
165°	1015.0	1016.5	1016.6	1015.7	1014.7	1013.7	1012.7
167.5°	1030.6	1031.9	1032.1	1031.1	1030.0	1029.0	1028.0
170°	1039.1	1040.4	1040.5	1039.4	1038.2	1037.0	1035.8
172.5°	1045.5	1046.9	1047.0	1045.8	1044.6	1043.4	1042.2
175°	1052.4	1053.8	1053.9	1052.8	1051.5	1050.3	1049.2
177.5°	1055.3	1056.1	1056.1	1055.3	1054.3	1053.3	1052.4
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5

(END OF REPORT)