

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: P331313-940

Luminaire Tested: **SA2XXDIP-C485D925U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331313-940  
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: SA2XXDIP-C485D925U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4864.5 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

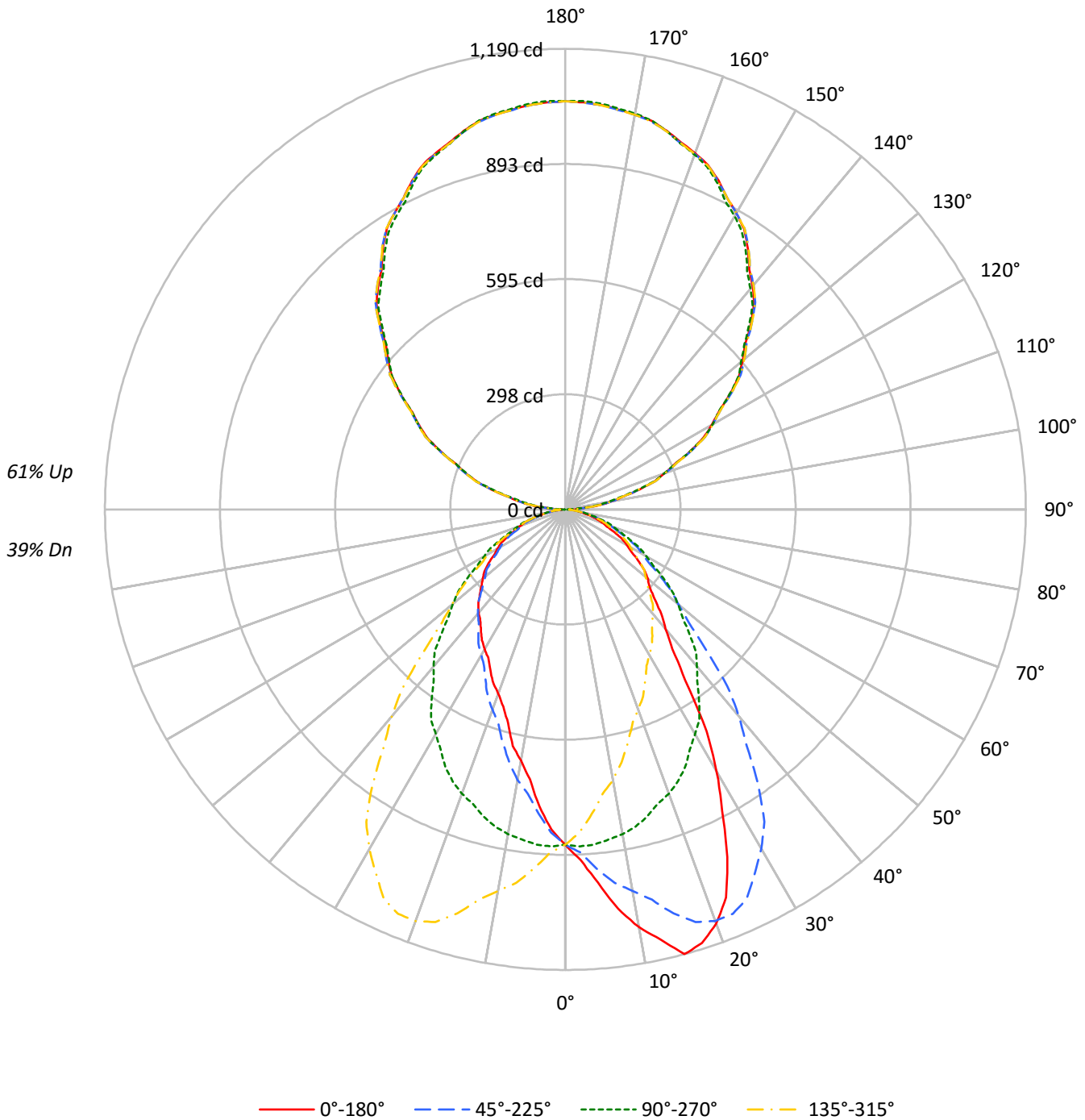
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39				
1	96	92	88	85	87	84	80	78	68	66	64	54	53	52	42	41	40	34				
2	87	80	75	70	79	73	68	64	60	57	54	48	46	44	37	35	34	29				
3	80	71	64	58	73	65	59	54	53	49	46	43	40	37	33	31	29	25				
4	73	63	55	50	67	58	51	46	48	43	39	38	35	32	30	28	26	22				
5	67	56	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19				
6	62	51	43	37	56	46	40	35	39	34	30	31	28	25	25	22	20	17				
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18	15				
8	53	42	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14				
9	50	38	31	26	45	35	29	24	29	24	21	24	21	18	19	17	15	13				
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11				

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

	0°	90°	180°	270°
0°	13990	13990	13990	13990
5°	15686	14083	12478	14083
10°	17974	13967	10799	13967
15°	19883	13710	9541	13710
20°	19581	13435	8698	13435
25°	17655	13069	8165	13069
30°	14590	12486	7774	12486
35°	10634	11874	7496	11874
40°	8494	11152	7341	11152
45°	7421	10319	7133	10319
50°	6978	9510	6993	9510
55°	6432	8690	6804	8690
60°	5893	7818	6516	7818
65°	5368	7033	6235	7033
70°	4877	6274	5816	6274
75°	4323	5421	5153	5421
80°	3710	4491	4147	4491
85°	3335	3335	2464	3335



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.5	1.7
10°-20°	239.9	4.9
20°-30°	348.2	7.2
30°-40°	367.4	7.6
40°-50°	325.3	6.7
50°-60°	259.6	5.3
60°-70°	176.5	3.6
70°-80°	90.5	1.9
80°-90°	26.0	0.5
90°-100°	66.8	1.4
100°-110°	207.5	4.3
110°-120°	354.7	7.3
120°-130°	466.5	9.6
130°-140°	523.6	10.8
140°-150°	513.4	10.6
150°-160°	430.6	8.9
160°-170°	285.6	5.9
170°-180°	99.8	2.1
0°-30°	670.6	13.8
0°-40°	1038.0	21.3
0°-60°	1623.0	33.4
0°-90°	1915.9	39.4
90°-120°	629.1	12.9
90°-150°	2132.6	43.8
90°-180°	2949.0	60.6
0°-180°	4864.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	866	866	866	866	866	
5°	968	869	770	869	968	97
15°	1190	820	571	820	1190	328
25°	991	734	458	734	991	448
35°	540	602	380	602	540	351
45°	325	452	312	452	325	256
55°	228	309	242	309	228	205
65°	140	184	163	184	140	140
75°	69	87	83	87	69	74
85°	18	18	13	18	18	20
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	906.5	906.8	907.2	903.0	902.5	902.5	898.8	895.5	891.8	886.7	887.3
5°	967.8	971.4	972.8	968.8	962.8	962.1	956.4	947.1	938.4	931.5	926.5
7.5°	1040.9	1042.3	1039.1	1033.8	1029.4	1021.4	1010.8	1000.5	986.1	972.8	963.0
10°	1096.3	1098.3	1092.6	1084.9	1078.6	1069.3	1054.0	1038.3	1019.4	1001.0	986.4
12.5°	1138.4	1143.4	1136.0	1135.1	1124.2	1111.4	1093.1	1085.2	1058.5	1033.0	1017.3
15°	1189.5	1189.2	1189.9	1183.6	1175.5	1173.6	1154.2	1133.3	1095.6	1080.7	1054.6
17.5°	1174.7	1179.8	1182.1	1182.1	1181.9	1180.6	1174.4	1161.2	1142.3	1118.0	1088.1
20°	1139.6	1146.2	1147.3	1154.9	1159.2	1164.9	1167.2	1163.6	1151.9	1131.6	1105.6
22.5°	1085.2	1087.1	1090.2	1102.2	1111.5	1125.7	1133.1	1145.4	1140.9	1131.0	1109.4
25°	991.0	987.7	999.3	1005.4	1027.0	1049.6	1066.0	1084.0	1099.9	1109.6	1103.3
27.5°	878.0	873.0	890.5	906.3	923.9	948.4	973.8	1003.9	1028.9	1060.2	1070.9
30°	782.6	785.6	802.3	819.2	845.9	880.5	909.1	942.1	977.8	1012.7	1037.0
32.5°	679.8	691.3	701.8	727.8	751.3	789.9	831.9	873.1	917.6	957.3	994.9
35°	539.5	552.8	567.5	586.5	619.4	657.7	698.7	754.3	814.9	869.2	913.8
37.5°	454.1	452.0	460.4	474.1	500.8	531.7	578.8	633.8	705.2	768.9	831.9
40°	403.0	401.6	407.6	420.3	440.6	463.2	504.5	552.8	619.1	697.0	772.0
42.5°	367.7	368.5	371.9	380.8	394.8	413.4	444.3	485.4	546.1	619.5	700.0
45°	325.0	327.3	331.0	335.4	343.3	358.6	375.9	405.3	453.3	514.5	593.8
47.5°	294.3	294.4	298.0	301.8	306.6	315.2	329.4	347.8	381.6	431.5	499.6
50°	277.8	275.4	278.0	281.1	286.1	292.0	301.4	318.7	341.3	381.7	438.5
52.5°	257.5	257.5	259.9	261.1	265.6	271.5	280.1	292.0	312.5	344.1	390.9
55°	228.5	230.2	231.5	233.4	237.5	241.7	248.4	256.5	272.4	296.0	330.6
57.5°	201.2	201.7	203.0	206.8	209.4	213.3	219.6	226.9	237.3	254.9	280.9
60°	182.5	182.5	185.1	186.8	190.1	194.1	199.1	206.2	215.4	229.8	250.7
62.5°	165.4	165.1	166.2	169.0	171.5	175.2	180.2	186.2	194.9	207.7	224.9
65°	140.5	139.9	141.9	142.5	145.2	148.8	152.8	159.2	166.2	175.5	190.8
67.5°	116.5	117.3	118.4	119.7	121.2	125.0	127.7	132.2	138.0	145.8	156.2
70°	103.3	103.3	103.3	104.2	106.2	108.3	110.9	114.6	120.2	126.9	136.2
72.5°	88.3	89.3	90.4	89.9	92.4	93.5	96.8	98.8	104.2	108.5	116.7
75°	69.3	69.3	69.3	70.9	72.0	72.9	74.9	77.0	79.6	84.9	89.3
77.5°	51.7	51.5	51.9	52.3	53.3	54.6	55.1	57.0	59.4	61.9	65.5
80°	39.9	40.7	40.9	41.6	41.6	42.3	42.6	44.9	46.6	48.3	50.6
82.5°	30.9	31.0	31.1	31.2	31.5	31.9	32.7	33.5	34.1	35.5	37.3
85°	18.0	17.7	17.7	18.3	18.0	18.0	18.6	19.4	19.4	19.6	20.7
87.5°	13.0	12.9	13.2	12.8	12.8	13.1	13.2	13.0	13.4	13.7	13.1
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



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**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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	889.1	887.0	885.6	880.9	876.6	872.4	871.0	871.6	865.7	860.1	857.7
5°	923.8	917.1	910.8	901.8	891.2	879.5	873.5	868.9	857.2	844.5	837.2
7.5°	954.8	945.3	933.1	916.2	900.7	882.3	870.7	860.4	843.3	825.5	814.6
10°	973.7	960.7	945.1	924.4	905.4	883.2	867.5	851.9	831.9	810.6	797.3
12.5°	990.0	972.5	957.1	930.6	908.1	880.2	861.7	839.6	818.6	793.3	780.2
15°	1028.7	996.4	967.1	937.1	909.5	870.5	849.9	820.2	792.6	761.3	746.3
17.5°	1058.5	1022.3	976.2	938.1	905.8	862.6	832.3	796.8	764.1	728.3	708.0
20°	1075.7	1034.0	984.4	939.1	900.4	851.2	818.2	781.9	743.6	703.3	681.4
22.5°	1085.7	1042.1	992.9	935.1	889.8	841.9	800.4	760.6	721.8	678.3	655.2
25°	1089.0	1049.0	997.0	931.7	876.5	822.2	772.2	733.6	686.7	646.0	612.4
27.5°	1073.1	1044.5	994.5	925.5	861.1	797.6	742.0	698.2	648.6	604.6	570.7
30°	1053.6	1037.0	988.4	919.1	848.8	780.6	719.3	669.7	620.5	575.8	541.2
32.5°	1023.6	1019.9	977.2	910.1	835.8	759.0	695.6	645.4	590.8	547.0	514.0
35°	964.4	980.4	953.4	889.8	811.2	728.3	659.7	602.4	545.8	503.8	472.9
37.5°	885.2	924.9	917.8	860.1	778.0	694.9	619.1	559.3	505.3	463.0	432.6
40°	830.5	881.2	888.5	837.5	754.7	669.1	588.8	529.1	476.5	437.9	407.2
42.5°	772.0	831.1	851.2	810.4	729.1	641.9	561.6	499.9	447.8	410.2	383.1
45°	673.7	752.0	788.3	764.9	686.3	597.1	514.5	451.9	404.7	369.3	348.3
47.5°	581.8	667.4	716.2	707.9	638.8	550.5	468.9	408.8	362.7	334.6	315.8
50°	516.8	604.8	663.7	666.4	604.8	517.2	435.2	378.6	336.4	310.0	294.7
52.5°	460.4	544.3	608.6	622.7	566.7	482.5	405.1	348.8	311.6	287.4	273.7
55°	386.6	457.5	528.9	554.8	509.9	429.9	358.3	308.7	273.8	257.1	245.1
57.5°	321.5	380.6	446.4	475.1	447.4	379.0	311.8	268.8	240.4	225.8	216.6
60°	287.0	333.7	392.3	426.6	402.6	341.7	283.0	242.1	218.8	205.8	197.2
62.5°	255.1	296.4	345.9	377.3	364.3	306.7	254.3	218.1	198.0	185.8	179.6
65°	210.4	243.1	281.4	310.4	301.8	258.1	215.2	184.1	168.2	158.5	153.6
67.5°	173.3	196.9	223.5	248.8	241.8	210.9	176.5	152.3	140.4	132.1	129.1
70°	149.9	167.8	191.5	211.8	206.2	180.8	153.6	132.9	122.5	115.6	112.5
72.5°	127.5	142.2	160.3	176.9	173.1	152.0	129.3	113.7	105.8	99.3	96.8
75°	96.2	107.5	118.6	129.6	128.6	112.3	98.9	86.9	80.6	75.6	74.6
77.5°	71.1	77.4	84.9	91.4	89.6	80.3	69.8	63.0	58.3	54.9	54.4
80°	54.3	58.0	63.3	67.9	65.6	61.6	53.3	48.3	44.9	41.6	40.3
82.5°	39.3	43.1	46.2	48.8	47.0	43.2	38.1	34.7	32.7	30.4	29.9
85°	20.7	22.6	24.0	24.6	24.0	21.7	19.4	18.0	16.3	15.3	15.0
87.5°	12.5	11.6	10.7	10.6	9.4	8.8	7.3	6.1	6.2	6.4	6.4
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: P331313-940

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**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: P331313-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	855.1	853.5	847.8	844.9	840.2	835.6	832.7	834.0	835.1	834.6	833.7
5°	830.5	824.2	814.6	806.2	800.2	789.3	784.6	782.3	780.2	777.9	775.6
7.5°	801.4	791.4	777.6	765.7	754.5	740.8	733.1	728.3	723.5	718.3	713.6
10°	780.6	766.6	752.0	735.3	722.0	709.6	698.7	691.3	684.7	678.3	673.7
12.5°	758.8	742.6	724.5	701.8	687.1	669.4	667.8	654.9	644.4	640.5	635.1
15°	724.0	701.3	678.3	651.4	639.7	623.8	613.8	603.8	594.8	588.4	586.7
17.5°	684.5	655.1	632.3	613.0	593.9	577.5	568.3	560.3	552.9	544.4	543.3
20°	654.3	629.1	604.1	587.1	567.5	550.8	539.5	531.5	525.1	520.1	515.9
22.5°	625.9	598.2	575.3	556.7	537.3	523.9	515.0	507.3	502.0	496.5	492.4
25°	580.1	558.5	533.5	512.6	496.5	487.9	480.5	473.9	470.6	466.9	462.3
27.5°	540.1	516.0	492.7	476.4	462.4	454.7	449.5	445.0	441.8	439.7	437.0
30°	511.8	487.5	469.2	453.3	441.6	433.9	430.6	427.9	424.3	422.9	421.6
32.5°	484.6	462.8	447.1	433.3	422.1	417.1	414.1	411.7	408.8	407.5	404.8
35°	446.2	427.9	412.6	404.9	395.9	391.6	389.3	385.9	383.3	382.0	381.7
37.5°	410.1	394.1	384.1	374.3	370.4	367.7	364.6	362.3	361.5	361.3	361.0
40°	386.6	373.6	364.6	356.7	355.0	351.0	348.3	346.3	346.3	346.7	346.3
42.5°	365.3	353.7	345.7	338.9	336.9	334.5	331.8	331.7	332.3	333.3	332.3
45°	333.1	324.7	319.1	315.7	312.0	309.7	309.3	310.4	310.7	311.0	312.0
47.5°	303.3	297.7	292.7	289.0	287.4	287.0	286.6	288.3	289.9	290.5	292.0
50°	285.7	279.4	275.1	272.8	271.4	270.7	271.4	273.4	274.7	276.4	277.4
52.5°	266.0	261.5	258.6	256.7	256.2	256.6	256.7	259.0	261.2	261.7	262.3
55°	238.8	235.4	234.8	231.8	233.1	232.7	234.4	235.8	237.7	239.8	240.1
57.5°	211.6	208.9	207.1	207.4	207.8	209.3	210.6	213.0	215.2	217.2	217.5
60°	193.5	192.2	191.2	191.2	191.8	193.9	195.5	197.8	199.1	200.5	201.4
62.5°	177.0	175.7	174.6	175.1	176.9	178.1	180.0	181.3	182.6	184.0	184.4
65°	150.9	150.2	151.2	151.9	152.2	153.8	156.2	157.2	158.5	159.2	161.5
67.5°	126.8	127.0	126.8	127.8	129.7	130.1	132.2	134.6	134.9	136.2	137.7
70°	110.6	111.2	111.9	112.5	114.2	114.9	116.5	117.5	118.9	119.8	120.9
72.5°	95.7	95.8	96.5	96.3	97.7	99.2	100.6	101.6	102.9	104.2	105.1
75°	73.6	73.6	74.3	74.6	76.2	77.9	77.6	78.3	79.6	81.0	81.6
77.5°	53.8	53.1	53.8	54.0	54.6	56.0	56.3	57.2	58.8	58.3	59.0
80°	40.9	39.9	40.9	41.3	41.3	43.0	43.0	43.6	44.6	43.6	44.6
82.5°	29.2	28.8	29.5	29.6	30.1	30.1	30.7	30.9	31.8	31.4	31.8
85°	14.6	14.4	14.6	14.4	14.6	15.0	15.0	14.6	14.6	15.3	14.4
87.5°	6.6	7.0	7.6	8.5	9.1	9.7	9.4	9.3	9.2	8.6	8.6
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: P331313-940

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**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: P331313-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	831.1	830.5	830.5	828.1	830.5	830.5	831.1	833.7	834.6	835.1	834.0
5°	771.0	769.9	768.3	769.9	768.3	769.9	771.0	775.6	777.9	780.2	782.3
7.5°	711.5	707.5	706.9	702.9	706.9	707.5	711.5	713.6	718.3	723.5	728.3
10°	668.1	665.4	665.0	658.7	665.0	665.4	668.1	673.7	678.3	684.7	691.3
12.5°	635.0	628.6	629.9	626.2	629.9	628.6	635.0	635.1	640.5	644.4	654.9
15°	577.7	577.7	576.5	570.8	576.5	577.7	577.7	586.7	588.4	594.8	603.8
17.5°	536.7	536.0	532.8	534.4	532.8	536.0	536.7	543.3	544.4	552.9	560.3
20°	512.2	510.1	506.2	506.2	506.2	510.1	512.2	515.9	520.1	525.1	531.5
22.5°	489.0	488.8	484.6	486.0	484.6	488.8	489.0	492.4	496.5	502.0	507.3
25°	461.9	459.2	457.3	458.3	457.3	459.2	461.9	462.3	466.9	470.6	473.9
27.5°	436.2	434.7	434.6	431.9	434.6	434.7	436.2	437.0	439.7	441.8	445.0
30°	421.2	417.9	418.6	417.0	418.6	417.9	421.2	421.6	422.9	424.3	427.9
32.5°	404.2	403.1	402.3	400.9	402.3	403.1	404.2	404.8	407.5	408.8	411.7
35°	380.9	381.3	379.6	380.3	379.6	381.3	380.9	381.7	382.0	383.3	385.9
37.5°	360.7	361.8	361.0	361.1	361.0	361.8	360.7	361.0	361.3	361.5	362.3
40°	347.3	347.3	347.3	348.3	347.3	347.3	347.3	346.3	346.7	346.3	346.3
42.5°	334.6	334.0	333.5	333.4	333.5	334.0	334.6	332.3	333.3	332.3	331.7
45°	312.7	313.7	314.1	312.4	314.1	313.7	312.7	312.0	311.0	310.7	310.4
47.5°	292.9	293.0	292.9	294.4	292.9	293.0	292.9	292.0	290.5	289.9	288.3
50°	279.1	278.4	279.1	278.4	279.1	278.4	279.1	277.4	276.4	274.7	273.4
52.5°	264.4	264.6	264.1	264.0	264.1	264.6	264.4	262.3	261.7	261.2	259.0
55°	241.5	242.1	241.7	241.7	241.7	242.1	241.5	240.1	239.8	237.7	235.8
57.5°	217.7	218.3	218.7	217.2	218.7	218.3	217.7	217.5	217.2	215.2	213.0
60°	201.2	202.8	202.5	201.8	202.5	202.8	201.2	201.4	200.5	199.1	197.8
62.5°	185.9	186.5	186.5	186.4	186.5	186.5	185.9	184.4	184.0	182.6	181.3
65°	162.5	163.2	162.2	163.2	162.2	163.2	162.5	161.5	159.2	158.5	157.2
67.5°	137.2	137.5	138.2	138.7	138.2	137.5	137.2	137.7	136.2	134.9	134.6
70°	121.5	121.2	122.3	123.2	122.3	121.2	121.5	120.9	119.8	118.9	117.5
72.5°	105.0	105.8	105.4	106.2	105.4	105.8	105.0	105.1	104.2	102.9	101.6
75°	81.0	81.9	81.6	82.6	81.6	81.9	81.0	81.6	81.0	79.6	78.3
77.5°	58.5	58.6	58.5	59.0	58.5	58.6	58.5	59.0	58.3	58.8	57.2
80°	44.6	44.0	43.2	44.6	43.2	44.0	44.6	44.6	43.6	44.6	43.6
82.5°	31.0	31.5	30.8	30.8	30.8	31.5	31.0	31.8	31.4	31.8	30.9
85°	14.4	14.0	13.3	13.3	13.3	14.0	14.4	14.4	15.3	14.6	14.6
87.5°	8.6	8.4	8.4	8.2	8.4	8.4	8.6	8.6	8.6	9.2	9.3
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: P331313-940

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**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: P331313-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	832.7	835.6	840.2	844.9	847.8	853.5	855.1	857.7	860.1	865.7	871.6
5°	784.6	789.3	800.2	806.2	814.6	824.2	830.5	837.2	844.5	857.2	868.9
7.5°	733.1	740.8	754.5	765.7	777.6	791.4	801.4	814.6	825.5	843.3	860.4
10°	698.7	709.6	722.0	735.3	752.0	766.6	780.6	797.3	810.6	831.9	851.9
12.5°	667.8	669.4	687.1	701.8	724.5	742.6	758.8	780.2	793.3	818.6	839.6
15°	613.8	623.8	639.7	651.4	678.3	701.3	724.0	746.3	761.3	792.6	820.2
17.5°	568.3	577.5	593.9	613.0	632.3	655.1	684.5	708.0	728.3	764.1	796.8
20°	539.5	550.8	567.5	587.1	604.1	629.1	654.3	681.4	703.3	743.6	781.9
22.5°	515.0	523.9	537.3	556.7	575.3	598.2	625.9	655.2	678.3	721.8	760.6
25°	480.5	487.9	496.5	512.6	533.5	558.5	580.1	612.4	646.0	686.7	733.6
27.5°	449.5	454.7	462.4	476.4	492.7	516.0	540.1	570.7	604.6	648.6	698.2
30°	430.6	433.9	441.6	453.3	469.2	487.5	511.8	541.2	575.8	620.5	669.7
32.5°	414.1	417.1	422.1	433.3	447.1	462.8	484.6	514.0	547.0	590.8	645.4
35°	389.3	391.6	395.9	404.9	412.6	427.9	446.2	472.9	503.8	545.8	602.4
37.5°	364.6	367.7	370.4	374.3	384.1	394.1	410.1	432.6	463.0	505.3	559.3
40°	348.3	351.0	355.0	356.7	364.6	373.6	386.6	407.2	437.9	476.5	529.1
42.5°	331.8	334.5	336.9	338.9	345.7	353.7	365.3	383.1	410.2	447.8	499.9
45°	309.3	309.7	312.0	315.7	319.1	324.7	333.1	348.3	369.3	404.7	451.9
47.5°	286.6	287.0	287.4	289.0	292.7	297.7	303.3	315.8	334.6	362.7	408.8
50°	271.4	270.7	271.4	272.8	275.1	279.4	285.7	294.7	310.0	336.4	378.6
52.5°	256.7	256.6	256.2	256.7	258.6	261.5	266.0	273.7	287.4	311.6	348.8
55°	234.4	232.7	233.1	231.8	234.8	235.4	238.8	245.1	257.1	273.8	308.7
57.5°	210.6	209.3	207.8	207.4	207.1	208.9	211.6	216.6	225.8	240.4	268.8
60°	195.5	193.9	191.8	191.2	191.2	192.2	193.5	197.2	205.8	218.8	242.1
62.5°	180.0	178.1	176.9	175.1	174.6	175.7	177.0	179.6	185.8	198.0	218.1
65°	156.2	153.8	152.2	151.9	151.2	150.2	150.9	153.6	158.5	168.2	184.1
67.5°	132.2	130.1	129.7	127.8	126.8	127.0	126.8	129.1	132.1	140.4	152.3
70°	116.5	114.9	114.2	112.5	111.9	111.2	110.6	112.5	115.6	122.5	132.9
72.5°	100.6	99.2	97.7	96.3	96.5	95.8	95.7	96.8	99.3	105.8	113.7
75°	77.6	77.9	76.2	74.6	74.3	73.6	73.6	74.6	75.6	80.6	86.9
77.5°	56.3	56.0	54.6	54.0	53.8	53.1	53.8	54.4	54.9	58.3	63.0
80°	43.0	43.0	41.3	41.3	40.9	39.9	40.9	40.3	41.6	44.9	48.3
82.5°	30.7	30.1	30.1	29.6	29.5	28.8	29.2	29.9	30.4	32.7	34.7
85°	15.0	15.0	14.6	14.4	14.6	14.4	14.6	15.0	15.3	16.3	18.0
87.5°	9.4	9.7	9.1	8.5	7.6	7.0	6.6	6.4	6.4	6.2	6.1
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: P331313-940

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**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: P331313-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	871.0	872.4	876.6	880.9	885.6	887.0	889.1	887.3	886.7	891.8	895.5
5°	873.5	879.5	891.2	901.8	910.8	917.1	923.8	926.5	931.5	938.4	947.1
7.5°	870.7	882.3	900.7	916.2	933.1	945.3	954.8	963.0	972.8	986.1	1000.5
10°	867.5	883.2	905.4	924.4	945.1	960.7	973.7	986.4	1001.0	1019.4	1038.3
12.5°	861.7	880.2	908.1	930.6	957.1	972.5	990.0	1017.3	1033.0	1058.5	1085.2
15°	849.9	870.5	909.5	937.1	967.1	996.4	1028.7	1054.6	1080.7	1095.6	1133.3
17.5°	832.3	862.6	905.8	938.1	976.2	1022.3	1058.5	1088.1	1118.0	1142.3	1161.2
20°	818.2	851.2	900.4	939.1	984.4	1034.0	1075.7	1105.6	1131.6	1151.9	1163.6
22.5°	800.4	841.9	889.8	935.1	992.9	1042.1	1085.7	1109.4	1131.0	1140.9	1145.4
25°	772.2	822.2	876.5	931.7	997.0	1049.0	1089.0	1103.3	1109.6	1099.9	1084.0
27.5°	742.0	797.6	861.1	925.5	994.5	1044.5	1073.1	1070.9	1060.2	1028.9	1003.9
30°	719.3	780.6	848.8	919.1	988.4	1037.0	1053.6	1037.0	1012.7	977.8	942.1
32.5°	695.6	759.0	835.8	910.1	977.2	1019.9	1023.6	994.9	957.3	917.6	873.1
35°	659.7	728.3	811.2	889.8	953.4	980.4	964.4	913.8	869.2	814.9	754.3
37.5°	619.1	694.9	778.0	860.1	917.8	924.9	885.2	831.9	768.9	705.2	633.8
40°	588.8	669.1	754.7	837.5	888.5	881.2	830.5	772.0	697.0	619.1	552.8
42.5°	561.6	641.9	729.1	810.4	851.2	831.1	772.0	700.0	619.5	546.1	485.4
45°	514.5	597.1	686.3	764.9	788.3	752.0	673.7	593.8	514.5	453.3	405.3
47.5°	468.9	550.5	638.8	707.9	716.2	667.4	581.8	499.6	431.5	381.6	347.8
50°	435.2	517.2	604.8	666.4	663.7	604.8	516.8	438.5	381.7	341.3	318.7
52.5°	405.1	482.5	566.7	622.7	608.6	544.3	460.4	390.9	344.1	312.5	292.0
55°	358.3	429.9	509.9	554.8	528.9	457.5	386.6	330.6	296.0	272.4	256.5
57.5°	311.8	379.0	447.4	475.1	446.4	380.6	321.5	280.9	254.9	237.3	226.9
60°	283.0	341.7	402.6	426.6	392.3	333.7	287.0	250.7	229.8	215.4	206.2
62.5°	254.3	306.7	364.3	377.3	345.9	296.4	255.1	224.9	207.7	194.9	186.2
65°	215.2	258.1	301.8	310.4	281.4	243.1	210.4	190.8	175.5	166.2	159.2
67.5°	176.5	210.9	241.8	248.8	223.5	196.9	173.3	156.2	145.8	138.0	132.2
70°	153.6	180.8	206.2	211.8	191.5	167.8	149.9	136.2	126.9	120.2	114.6
72.5°	129.3	152.0	173.1	176.9	160.3	142.2	127.5	116.7	108.5	104.2	98.8
75°	98.9	112.3	128.6	129.6	118.6	107.5	96.2	89.3	84.9	79.6	77.0
77.5°	69.8	80.3	89.6	91.4	84.9	77.4	71.1	65.5	61.9	59.4	57.0
80°	53.3	61.6	65.6	67.9	63.3	58.0	54.3	50.6	48.3	46.6	44.9
82.5°	38.1	43.2	47.0	48.8	46.2	43.1	39.3	37.3	35.5	34.1	33.5
85°	19.4	21.7	24.0	24.6	24.0	22.6	20.7	20.7	19.6	19.4	19.4
87.5°	7.3	8.8	9.4	10.6	10.7	11.6	12.5	13.1	13.7	13.4	13.0
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





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**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



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	898.8	902.5	902.5	903.0	907.2	906.8	906.5
5°	956.4	962.1	962.8	968.8	972.8	971.4	967.8
7.5°	1010.8	1021.4	1029.4	1033.8	1039.1	1042.3	1040.9
10°	1054.0	1069.3	1078.6	1084.9	1092.6	1098.3	1096.3
12.5°	1093.1	1111.4	1124.2	1135.1	1136.0	1143.4	1138.4
15°	1154.2	1173.6	1175.5	1183.6	1189.9	1189.2	1189.5
17.5°	1174.4	1180.6	1181.9	1182.1	1182.1	1179.8	1174.7
20°	1167.2	1164.9	1159.2	1154.9	1147.3	1146.2	1139.6
22.5°	1133.1	1125.7	1111.5	1102.2	1090.2	1087.1	1085.2
25°	1066.0	1049.6	1027.0	1005.4	999.3	987.7	991.0
27.5°	973.8	948.4	923.9	906.3	890.5	873.0	878.0
30°	909.1	880.5	845.9	819.2	802.3	785.6	782.6
32.5°	831.9	789.9	751.3	727.8	701.8	691.3	679.8
35°	698.7	657.7	619.4	586.5	567.5	552.8	539.5
37.5°	578.8	531.7	500.8	474.1	460.4	452.0	454.1
40°	504.5	463.2	440.6	420.3	407.6	401.6	403.0
42.5°	444.3	413.4	394.8	380.8	371.9	368.5	367.7
45°	375.9	358.6	343.3	335.4	331.0	327.3	325.0
47.5°	329.4	315.2	306.6	301.8	298.0	294.4	294.3
50°	301.4	292.0	286.1	281.1	278.0	275.4	277.8
52.5°	280.1	271.5	265.6	261.1	259.9	257.5	257.5
55°	248.4	241.7	237.5	233.4	231.5	230.2	228.5
57.5°	219.6	213.3	209.4	206.8	203.0	201.7	201.2
60°	199.1	194.1	190.1	186.8	185.1	182.5	182.5
62.5°	180.2	175.2	171.5	169.0	166.2	165.1	165.4
65°	152.8	148.8	145.2	142.5	141.9	139.9	140.5
67.5°	127.7	125.0	121.2	119.7	118.4	117.3	116.5
70°	110.9	108.3	106.2	104.2	103.3	103.3	103.3
72.5°	96.8	93.5	92.4	89.9	90.4	89.3	88.3
75°	74.9	72.9	72.0	70.9	69.3	69.3	69.3
77.5°	55.1	54.6	53.3	52.3	51.9	51.5	51.7
80°	42.6	42.3	41.6	41.6	40.9	40.7	39.9
82.5°	32.7	31.9	31.5	31.2	31.1	31.0	30.9
85°	18.6	18.0	18.0	18.3	17.7	17.7	18.0
87.5°	13.2	13.1	12.8	12.8	13.2	12.9	13.0
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



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**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)