

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: P331314-940

Luminaire Tested: **SA2XXDIP-C485D925U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331314-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
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-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

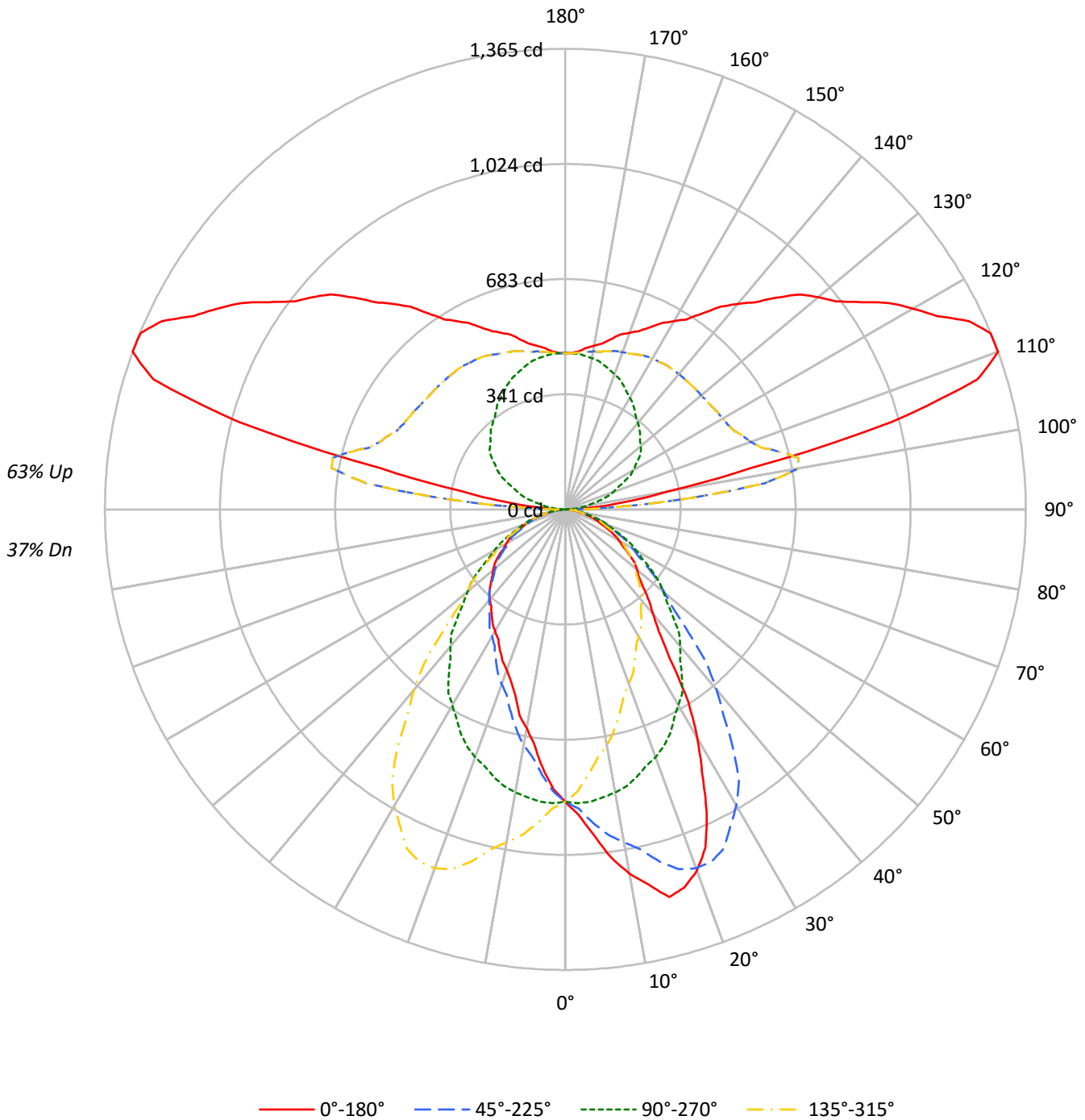
Lumens per Lamp: N/A  
Luminaire Lumens: 5136.2 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	35	34	33	27
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	29	26	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	14
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	17	16	13
9	49	38	30	26	45	35	28	24	29	24	21	24	20	17	18	16	14	12
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	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	1.6
10°-20°	239.9	4.7
20°-30°	348.2	6.8
30°-40°	367.4	7.2
40°-50°	325.3	6.3
50°-60°	259.6	5.1
60°-70°	176.5	3.4
70°-80°	90.5	1.8
80°-90°	26.0	0.5
90°-100°	185.0	3.6
100°-110°	627.9	12.2
110°-120°	667.1	13.0
120°-130°	549.1	10.7
130°-140°	441.0	8.6
140°-150°	333.2	6.5
150°-160°	234.2	4.6
160°-170°	137.9	2.7
170°-180°	44.9	0.9
0°-30°	670.6	13.1
0°-40°	1038.0	20.2
0°-60°	1623.0	31.6
0°-90°	1915.9	37.3
90°-120°	1480.0	28.8
90°-150°	2803.4	54.6
90°-180°	3220.0	62.7
0°-180°	5136.2	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°	29	1	29	1	29	17
95°	102	31	102	31	102	132
105°	1003	109	1003	109	1003	970
115°	1320	191	1320	191	1320	1292
125°	1071	267	1071	267	1071	967
135°	887	313	887	313	887	689
145°	708	358	708	358	708	450
155°	595	407	595	407	595	278
165°	522	443	522	443	522	149
175°	471	462	471	462	471	46
180°	463	463	463	463	463	



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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°	12.8	12.8	13.1	12.8	12.8	12.9	12.6	12.7	13.1	13.6	13.6
90°	29.3	29.3	29.3	29.3	29.3	28.4	26.7	28.4	29.3	30.2	29.3
92.5°	49.3	50.7	50.0	52.9	53.6	59.1	66.6	77.6	97.7	115.7	114.0
95°	101.5	100.6	103.3	110.4	121.9	141.5	178.9	233.2	305.2	348.8	308.8
97.5°	199.7	207.1	220.2	242.1	284.6	348.8	445.1	544.1	624.7	595.6	448.5
100°	318.6	334.7	360.4	398.7	472.6	580.2	702.1	812.5	831.3	703.0	484.1
102.5°	560.7	582.4	614.6	679.9	760.2	874.3	963.5	988.4	908.1	706.6	470.6
105°	1003.0	1015.4	1053.7	1108.8	1164.0	1193.5	1181.9	1081.3	896.2	659.4	444.1
107.5°	1281.2	1297.7	1305.4	1308.4	1301.5	1258.4	1165.8	1014.4	818.1	608.9	430.9
110°	1365.2	1366.1	1358.1	1341.1	1302.9	1229.9	1116.0	956.7	768.9	584.7	428.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1363.8	1359.0	1343.8	1315.5	1262.3	1178.7	1056.9	904.0	734.8	569.0	428.7
115°	1319.8	1311.8	1288.6	1247.7	1184.5	1092.9	976.2	839.2	692.4	551.8	432.5
117.5°	1241.3	1234.6	1210.1	1166.9	1102.5	1016.5	910.8	790.4	665.7	543.4	438.9
120°	1190.8	1181.9	1156.0	1114.2	1052.0	970.9	876.6	766.2	651.5	538.4	443.2
122.5°	1138.1	1130.6	1107.6	1066.5	1010.7	937.5	848.1	747.0	639.4	535.6	448.2
125°	1070.6	1063.5	1041.3	1007.5	955.8	889.0	810.7	719.1	622.1	530.4	455.7
127.5°	1011.6	1005.8	986.6	954.9	909.9	848.3	774.5	691.5	606.1	527.4	463.3
130°	978.0	970.9	953.1	922.9	879.3	820.6	750.2	673.7	595.4	525.9	469.0
132.5°	943.2	936.7	920.4	890.1	847.2	792.0	727.5	656.6	586.8	525.2	474.7
135°	887.3	883.7	867.7	838.3	800.0	750.2	691.5	632.8	574.9	524.1	481.4
137.5°	832.5	827.2	813.1	787.8	752.9	709.4	662.8	613.7	566.5	524.0	487.5
140°	794.7	789.4	776.1	752.9	724.4	685.3	644.4	601.6	561.6	523.3	490.4
142.5°	757.0	755.9	744.0	723.0	696.0	663.2	627.9	591.7	556.6	523.3	492.5
145°	708.4	705.7	696.9	681.7	660.3	634.5	607.0	577.6	550.0	521.5	494.8
147.5°	667.6	666.0	660.0	647.9	630.3	611.4	589.9	566.7	543.2	518.4	495.5
150°	643.5	642.6	637.2	626.5	613.1	597.2	578.5	558.9	537.5	516.2	494.8
152.5°	622.8	622.6	618.7	609.4	599.0	585.1	569.2	551.1	532.5	512.6	493.4
155°	595.4	597.2	593.6	587.4	577.6	567.8	554.5	540.2	523.3	506.4	491.2
157.5°	572.0	572.0	570.4	565.3	558.4	550.7	539.5	527.5	514.6	500.0	487.1
160°	557.1	557.1	556.2	551.8	545.5	539.3	529.5	519.7	508.2	495.7	485.0
162.5°	542.9	543.6	542.7	539.7	533.4	528.6	520.2	511.9	502.5	492.1	482.9
165°	522.4	523.3	523.3	519.7	516.2	512.6	506.4	500.2	493.0	485.0	478.8
167.5°	503.5	504.6	504.8	502.8	501.2	498.0	493.7	488.9	483.8	478.8	474.7
170°	492.1	493.9	494.8	492.1	491.2	489.5	485.9	483.2	478.8	475.2	472.6
172.5°	482.9	483.9	484.8	483.6	482.7	481.6	478.8	476.8	473.9	471.0	469.8
175°	470.8	472.6	473.5	472.6	472.6	471.7	470.8	469.9	467.3	466.4	465.5
177.5°	463.5	464.9	465.7	465.7	465.7	465.7	464.9	464.9	463.5	462.8	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



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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°	12.8	11.6	10.7	10.7	9.5	9.2	7.4	6.1	6.3	6.8	6.6
90°	24.0	17.8	13.4	10.7	8.9	7.1	3.6	0.9	3.6	7.1	8.9
92.5°	88.8	60.5	40.4	32.0	25.9	22.1	15.7	10.9	15.7	22.1	25.9
95°	205.5	128.1	87.2	65.9	51.6	43.6	34.7	31.1	34.7	43.6	51.6
97.5°	277.0	169.1	117.6	93.5	77.0	65.0	55.6	50.7	55.6	65.0	77.0
100°	291.9	183.3	136.2	111.3	93.5	79.2	71.2	68.5	71.2	79.2	93.5
102.5°	292.7	196.2	152.6	127.6	109.1	94.9	86.9	84.9	86.9	94.9	109.1
105°	297.2	218.0	176.2	151.3	131.7	118.3	112.2	108.6	112.2	118.3	131.7
107.5°	309.5	240.5	199.9	174.8	155.4	143.1	137.1	134.2	137.1	143.1	155.4
110°	319.5	255.4	216.2	190.5	171.7	160.2	154.9	151.3	154.9	160.2	171.7





TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	330.2	269.7	231.9	205.4	187.4	176.6	170.5	166.9	170.5	176.6	187.4
115°	346.2	291.9	253.6	229.6	211.8	201.2	195.8	191.4	195.8	201.2	211.8
117.5°	363.3	312.4	277.0	252.0	235.0	225.5	220.2	216.6	220.2	225.5	235.0
120°	374.7	326.6	291.9	267.0	249.1	241.2	235.9	232.3	235.9	241.2	249.1
122.5°	384.6	340.1	307.6	282.0	264.1	255.4	250.0	247.3	250.0	255.4	264.1
125°	400.5	360.4	328.4	303.4	285.7	275.0	269.7	267.0	269.7	275.0	285.7
127.5°	415.3	379.3	348.1	322.5	305.4	293.6	286.2	282.7	286.2	293.6	305.4
130°	424.5	390.7	359.5	334.7	316.8	304.3	295.4	291.9	295.4	304.3	316.8
132.5°	433.7	400.6	371.0	346.0	327.5	314.3	304.7	300.4	304.7	314.3	327.5
135°	445.9	414.7	386.2	361.3	340.8	327.5	316.8	313.3	316.8	327.5	340.8
137.5°	455.1	426.1	398.0	374.9	354.5	340.3	329.7	325.4	329.7	340.3	354.5
140°	460.1	432.5	405.8	382.7	363.1	348.8	338.2	334.7	338.2	348.8	363.1
142.5°	464.4	437.5	411.5	389.8	371.0	356.7	346.7	343.8	346.7	356.7	371.0
145°	469.9	445.0	421.0	401.4	383.6	370.2	361.3	357.8	361.3	370.2	383.6
147.5°	473.0	451.0	428.5	411.0	396.2	383.9	375.4	372.7	375.4	383.9	396.2
150°	474.3	453.9	433.4	417.4	404.0	392.4	385.3	382.7	385.3	392.4	404.0
152.5°	475.0	456.7	438.4	423.8	411.2	401.0	393.9	392.6	393.9	401.0	411.2
155°	476.1	461.0	445.9	432.5	422.8	413.0	407.6	406.7	407.6	413.0	422.8
157.5°	476.1	464.0	451.2	440.0	432.1	423.7	419.4	418.5	419.4	423.7	432.1
160°	476.1	465.5	454.8	445.0	437.8	430.7	427.2	426.3	427.2	430.7	437.8
162.5°	475.4	466.2	456.9	449.2	442.8	437.1	433.5	434.1	433.5	437.1	442.8
165°	473.5	467.3	459.2	453.9	449.4	444.1	442.3	443.2	442.3	444.1	449.4
167.5°	472.3	467.1	461.2	457.8	454.6	451.2	449.6	450.7	449.6	451.2	454.6
170°	470.8	466.4	461.9	459.2	457.4	454.8	453.9	455.7	453.9	454.8	457.4
172.5°	468.7	465.7	462.6	460.7	459.6	456.9	457.4	458.5	457.4	456.9	459.6
175°	466.4	464.6	462.8	461.9	461.9	460.1	461.0	461.9	461.0	460.1	461.9
177.5°	464.9	463.5	462.8	462.8	462.8	461.4	462.1	463.5	462.1	461.4	462.8
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**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°	6.7	7.0	7.6	8.8	9.6	9.5	9.1	8.9	8.6	8.4	8.6
90°	10.7	13.4	17.8	24.0	29.3	30.2	29.3	28.4	26.7	28.4	29.3
92.5°	32.0	40.4	60.5	88.8	114.0	115.7	97.7	77.6	66.6	59.1	53.6
95°	65.9	87.2	128.1	205.5	308.8	348.8	305.2	233.2	178.9	141.5	121.9
97.5°	93.5	117.6	169.1	277.0	448.5	595.6	624.7	544.1	445.1	348.8	284.6
100°	111.3	136.2	183.3	291.9	484.1	703.0	831.3	812.5	702.1	580.2	472.6
102.5°	127.6	152.6	196.2	292.7	470.6	706.6	908.1	988.4	963.5	874.3	760.2
105°	151.3	176.2	218.0	297.2	444.1	659.4	896.2	1081.3	1181.9	1193.5	1164.0
107.5°	174.8	199.9	240.5	309.5	430.9	608.9	818.1	1014.4	1165.8	1258.4	1301.5
110°	190.5	216.2	255.4	319.5	428.1	584.7	768.9	956.7	1116.0	1229.9	1302.9



TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	205.4	231.9	269.7	330.2	428.7	569.0	734.8	904.0	1056.9	1178.7	1262.3
115°	229.6	253.6	291.9	346.2	432.5	551.8	692.4	839.2	976.2	1092.9	1184.5
117.5°	252.0	277.0	312.4	363.3	438.9	543.4	665.7	790.4	910.8	1016.5	1102.5
120°	267.0	291.9	326.6	374.7	443.2	538.4	651.5	766.2	876.6	970.9	1052.0
122.5°	282.0	307.6	340.1	384.6	448.2	535.6	639.4	747.0	848.1	937.5	1010.7
125°	303.4	328.4	360.4	400.5	455.7	530.4	622.1	719.1	810.7	889.0	955.8
127.5°	322.5	348.1	379.3	415.3	463.3	527.4	606.1	691.5	774.5	848.3	909.9
130°	334.7	359.5	390.7	424.5	469.0	525.9	595.4	673.7	750.2	820.6	879.3
132.5°	346.0	371.0	400.6	433.7	474.7	525.2	586.8	656.6	727.5	792.0	847.2
135°	361.3	386.2	414.7	445.9	481.4	524.1	574.9	632.8	691.5	750.2	800.0
137.5°	374.9	398.0	426.1	455.1	487.5	524.0	566.5	613.7	662.8	709.4	752.9
140°	382.7	405.8	432.5	460.1	490.4	523.3	561.6	601.6	644.4	685.3	724.4
142.5°	389.8	411.5	437.5	464.4	492.5	523.3	556.6	591.7	627.9	663.2	696.0
145°	401.4	421.0	445.0	469.9	494.8	521.5	550.0	577.6	607.0	634.5	660.3
147.5°	411.0	428.5	451.0	473.0	495.5	518.4	543.2	566.7	589.9	611.4	630.3
150°	417.4	433.4	453.9	474.3	494.8	516.2	537.5	558.9	578.5	597.2	613.1
152.5°	423.8	438.4	456.7	475.0	493.4	512.6	532.5	551.1	569.2	585.1	599.0
155°	432.5	445.9	461.0	476.1	491.2	506.4	523.3	540.2	554.5	567.8	577.6
157.5°	440.0	451.2	464.0	476.1	487.1	500.0	514.6	527.5	539.5	550.7	558.4
160°	445.0	454.8	465.5	476.1	485.0	495.7	508.2	519.7	529.5	539.3	545.5
162.5°	449.2	456.9	466.2	475.4	482.9	492.1	502.5	511.9	520.2	528.6	533.4
165°	453.9	459.2	467.3	473.5	478.8	485.0	493.0	500.2	506.4	512.6	516.2
167.5°	457.8	461.2	467.1	472.3	474.7	478.8	483.8	488.9	493.7	498.0	501.2
170°	459.2	461.9	466.4	470.8	472.6	475.2	478.8	483.2	485.9	489.5	491.2
172.5°	460.7	462.6	465.7	468.7	469.8	471.0	473.9	476.8	478.8	481.6	482.7
175°	461.9	462.8	464.6	466.4	465.5	466.4	467.3	469.9	470.8	471.7	472.6
177.5°	462.8	462.8	463.5	464.9	463.5	462.8	463.5	464.9	464.9	465.7	465.7
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**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	8.3	8.3	8.0	8.3	8.3	8.6	8.6	8.4	8.6	8.9
90°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	28.4	26.7	28.4
92.5°	52.9	50.0	50.7	49.3	50.7	50.0	52.9	53.6	59.1	66.6	77.6
95°	110.4	103.3	100.6	101.5	100.6	103.3	110.4	121.9	141.5	178.9	233.2
97.5°	242.1	220.2	207.1	199.7	207.1	220.2	242.1	284.6	348.8	445.1	544.1
100°	398.7	360.4	334.7	318.6	334.7	360.4	398.7	472.6	580.2	702.1	812.5
102.5°	679.9	614.6	582.4	560.7	582.4	614.6	679.9	760.2	874.3	963.5	988.4
105°	1108.8	1053.7	1015.4	1003.0	1015.4	1053.7	1108.8	1164.0	1193.5	1181.9	1081.3
107.5°	1308.4	1305.4	1297.7	1281.2	1297.7	1305.4	1308.4	1301.5	1258.4	1165.8	1014.4
110°	1341.1	1358.1	1366.1	1365.2	1366.1	1358.1	1341.1	1302.9	1229.9	1116.0	956.7



TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1315.5	1343.8	1359.0	1363.8	1359.0	1343.8	1315.5	1262.3	1178.7	1056.9	904.0
115°	1247.7	1288.6	1311.8	1319.8	1311.8	1288.6	1247.7	1184.5	1092.9	976.2	839.2
117.5°	1166.9	1210.1	1234.6	1241.3	1234.6	1210.1	1166.9	1102.5	1016.5	910.8	790.4
120°	1114.2	1156.0	1181.9	1190.8	1181.9	1156.0	1114.2	1052.0	970.9	876.6	766.2
122.5°	1066.5	1107.6	1130.6	1138.1	1130.6	1107.6	1066.5	1010.7	937.5	848.1	747.0
125°	1007.5	1041.3	1063.5	1070.6	1063.5	1041.3	1007.5	955.8	889.0	810.7	719.1
127.5°	954.9	986.6	1005.8	1011.6	1005.8	986.6	954.9	909.9	848.3	774.5	691.5
130°	922.9	953.1	970.9	978.0	970.9	953.1	922.9	879.3	820.6	750.2	673.7
132.5°	890.1	920.4	936.7	943.2	936.7	920.4	890.1	847.2	792.0	727.5	656.6
135°	838.3	867.7	883.7	887.3	883.7	867.7	838.3	800.0	750.2	691.5	632.8
137.5°	787.8	813.1	827.2	832.5	827.2	813.1	787.8	752.9	709.4	662.8	613.7
140°	752.9	776.1	789.4	794.7	789.4	776.1	752.9	724.4	685.3	644.4	601.6
142.5°	723.0	744.0	755.9	757.0	755.9	744.0	723.0	696.0	663.2	627.9	591.7
145°	681.7	696.9	705.7	708.4	705.7	696.9	681.7	660.3	634.5	607.0	577.6
147.5°	647.9	660.0	666.0	667.6	666.0	660.0	647.9	630.3	611.4	589.9	566.7
150°	626.5	637.2	642.6	643.5	642.6	637.2	626.5	613.1	597.2	578.5	558.9
152.5°	609.4	618.7	622.6	622.8	622.6	618.7	609.4	599.0	585.1	569.2	551.1
155°	587.4	593.6	597.2	595.4	597.2	593.6	587.4	577.6	567.8	554.5	540.2
157.5°	565.3	570.4	572.0	572.0	572.0	570.4	565.3	558.4	550.7	539.5	527.5
160°	551.8	556.2	557.1	557.1	557.1	556.2	551.8	545.5	539.3	529.5	519.7
162.5°	539.7	542.7	543.6	542.9	543.6	542.7	539.7	533.4	528.6	520.2	511.9
165°	519.7	523.3	523.3	522.4	523.3	523.3	519.7	516.2	512.6	506.4	500.2
167.5°	502.8	504.8	504.6	503.5	504.6	504.8	502.8	501.2	498.0	493.7	488.9
170°	492.1	494.8	493.9	492.1	493.9	494.8	492.1	491.2	489.5	485.9	483.2
172.5°	483.6	484.8	483.9	482.9	483.9	484.8	483.6	482.7	481.6	478.8	476.8
175°	472.6	473.5	472.6	470.8	472.6	473.5	472.6	472.6	471.7	470.8	469.9
177.5°	465.7	465.7	464.9	463.5	464.9	465.7	465.7	465.7	465.7	464.9	464.9
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**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°	9.1	9.5	9.6	8.8	7.6	7.0	6.7	6.6	6.8	6.3	6.1
90°	29.3	30.2	29.3	24.0	17.8	13.4	10.7	8.9	7.1	3.6	0.9
92.5°	97.7	115.7	114.0	88.8	60.5	40.4	32.0	25.9	22.1	15.7	10.9
95°	305.2	348.8	308.8	205.5	128.1	87.2	65.9	51.6	43.6	34.7	31.1
97.5°	624.7	595.6	448.5	277.0	169.1	117.6	93.5	77.0	65.0	55.6	50.7
100°	831.3	703.0	484.1	291.9	183.3	136.2	111.3	93.5	79.2	71.2	68.5
102.5°	908.1	706.6	470.6	292.7	196.2	152.6	127.6	109.1	94.9	86.9	84.9
105°	896.2	659.4	444.1	297.2	218.0	176.2	151.3	131.7	118.3	112.2	108.6
107.5°	818.1	608.9	430.9	309.5	240.5	199.9	174.8	155.4	143.1	137.1	134.2
110°	768.9	584.7	428.1	319.5	255.4	216.2	190.5	171.7	160.2	154.9	151.3



TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	734.8	569.0	428.7	330.2	269.7	231.9	205.4	187.4	176.6	170.5	166.9
115°	692.4	551.8	432.5	346.2	291.9	253.6	229.6	211.8	201.2	195.8	191.4
117.5°	665.7	543.4	438.9	363.3	312.4	277.0	252.0	235.0	225.5	220.2	216.6
120°	651.5	538.4	443.2	374.7	326.6	291.9	267.0	249.1	241.2	235.9	232.3
122.5°	639.4	535.6	448.2	384.6	340.1	307.6	282.0	264.1	255.4	250.0	247.3
125°	622.1	530.4	455.7	400.5	360.4	328.4	303.4	285.7	275.0	269.7	267.0
127.5°	606.1	527.4	463.3	415.3	379.3	348.1	322.5	305.4	293.6	286.2	282.7
130°	595.4	525.9	469.0	424.5	390.7	359.5	334.7	316.8	304.3	295.4	291.9
132.5°	586.8	525.2	474.7	433.7	400.6	371.0	346.0	327.5	314.3	304.7	300.4
135°	574.9	524.1	481.4	445.9	414.7	386.2	361.3	340.8	327.5	316.8	313.3
137.5°	566.5	524.0	487.5	455.1	426.1	398.0	374.9	354.5	340.3	329.7	325.4
140°	561.6	523.3	490.4	460.1	432.5	405.8	382.7	363.1	348.8	338.2	334.7
142.5°	556.6	523.3	492.5	464.4	437.5	411.5	389.8	371.0	356.7	346.7	343.8
145°	550.0	521.5	494.8	469.9	445.0	421.0	401.4	383.6	370.2	361.3	357.8
147.5°	543.2	518.4	495.5	473.0	451.0	428.5	411.0	396.2	383.9	375.4	372.7
150°	537.5	516.2	494.8	474.3	453.9	433.4	417.4	404.0	392.4	385.3	382.7
152.5°	532.5	512.6	493.4	475.0	456.7	438.4	423.8	411.2	401.0	393.9	392.6
155°	523.3	506.4	491.2	476.1	461.0	445.9	432.5	422.8	413.0	407.6	406.7
157.5°	514.6	500.0	487.1	476.1	464.0	451.2	440.0	432.1	423.7	419.4	418.5
160°	508.2	495.7	485.0	476.1	465.5	454.8	445.0	437.8	430.7	427.2	426.3
162.5°	502.5	492.1	482.9	475.4	466.2	456.9	449.2	442.8	437.1	433.5	434.1
165°	493.0	485.0	478.8	473.5	467.3	459.2	453.9	449.4	444.1	442.3	443.2
167.5°	483.8	478.8	474.7	472.3	467.1	461.2	457.8	454.6	451.2	449.6	450.7
170°	478.8	475.2	472.6	470.8	466.4	461.9	459.2	457.4	454.8	453.9	455.7
172.5°	473.9	471.0	469.8	468.7	465.7	462.6	460.7	459.6	456.9	457.4	458.5
175°	467.3	466.4	465.5	466.4	464.6	462.8	461.9	461.9	460.1	461.0	461.9
177.5°	463.5	462.8	463.5	464.9	463.5	462.8	462.8	462.8	461.4	462.1	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8





TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**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°	7.4	9.2	9.5	10.7	10.7	11.6	12.8	13.6	13.6	13.1	12.7
90°	3.6	7.1	8.9	10.7	13.4	17.8	24.0	29.3	30.2	29.3	28.4
92.5°	15.7	22.1	25.9	32.0	40.4	60.5	88.8	114.0	115.7	97.7	77.6
95°	34.7	43.6	51.6	65.9	87.2	128.1	205.5	308.8	348.8	305.2	233.2
97.5°	55.6	65.0	77.0	93.5	117.6	169.1	277.0	448.5	595.6	624.7	544.1
100°	71.2	79.2	93.5	111.3	136.2	183.3	291.9	484.1	703.0	831.3	812.5
102.5°	86.9	94.9	109.1	127.6	152.6	196.2	292.7	470.6	706.6	908.1	988.4
105°	112.2	118.3	131.7	151.3	176.2	218.0	297.2	444.1	659.4	896.2	1081.3
107.5°	137.1	143.1	155.4	174.8	199.9	240.5	309.5	430.9	608.9	818.1	1014.4
110°	154.9	160.2	171.7	190.5	216.2	255.4	319.5	428.1	584.7	768.9	956.7





TEST NUMBER: P331314-940

CATALOG NUMBER: SA2XXDIP-C485D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	170.5	176.6	187.4	205.4	231.9	269.7	330.2	428.7	569.0	734.8	904.0
115°	195.8	201.2	211.8	229.6	253.6	291.9	346.2	432.5	551.8	692.4	839.2
117.5°	220.2	225.5	235.0	252.0	277.0	312.4	363.3	438.9	543.4	665.7	790.4
120°	235.9	241.2	249.1	267.0	291.9	326.6	374.7	443.2	538.4	651.5	766.2
122.5°	250.0	255.4	264.1	282.0	307.6	340.1	384.6	448.2	535.6	639.4	747.0
125°	269.7	275.0	285.7	303.4	328.4	360.4	400.5	455.7	530.4	622.1	719.1
127.5°	286.2	293.6	305.4	322.5	348.1	379.3	415.3	463.3	527.4	606.1	691.5
130°	295.4	304.3	316.8	334.7	359.5	390.7	424.5	469.0	525.9	595.4	673.7
132.5°	304.7	314.3	327.5	346.0	371.0	400.6	433.7	474.7	525.2	586.8	656.6
135°	316.8	327.5	340.8	361.3	386.2	414.7	445.9	481.4	524.1	574.9	632.8
137.5°	329.7	340.3	354.5	374.9	398.0	426.1	455.1	487.5	524.0	566.5	613.7
140°	338.2	348.8	363.1	382.7	405.8	432.5	460.1	490.4	523.3	561.6	601.6
142.5°	346.7	356.7	371.0	389.8	411.5	437.5	464.4	492.5	523.3	556.6	591.7
145°	361.3	370.2	383.6	401.4	421.0	445.0	469.9	494.8	521.5	550.0	577.6
147.5°	375.4	383.9	396.2	411.0	428.5	451.0	473.0	495.5	518.4	543.2	566.7
150°	385.3	392.4	404.0	417.4	433.4	453.9	474.3	494.8	516.2	537.5	558.9
152.5°	393.9	401.0	411.2	423.8	438.4	456.7	475.0	493.4	512.6	532.5	551.1
155°	407.6	413.0	422.8	432.5	445.9	461.0	476.1	491.2	506.4	523.3	540.2
157.5°	419.4	423.7	432.1	440.0	451.2	464.0	476.1	487.1	500.0	514.6	527.5
160°	427.2	430.7	437.8	445.0	454.8	465.5	476.1	485.0	495.7	508.2	519.7
162.5°	433.5	437.1	442.8	449.2	456.9	466.2	475.4	482.9	492.1	502.5	511.9
165°	442.3	444.1	449.4	453.9	459.2	467.3	473.5	478.8	485.0	493.0	500.2
167.5°	449.6	451.2	454.6	457.8	461.2	467.1	472.3	474.7	478.8	483.8	488.9
170°	453.9	454.8	457.4	459.2	461.9	466.4	470.8	472.6	475.2	478.8	483.2
172.5°	457.4	456.9	459.6	460.7	462.6	465.7	468.7	469.8	471.0	473.9	476.8
175°	461.0	460.1	461.9	461.9	462.8	464.6	466.4	465.5	466.4	467.3	469.9
177.5°	462.1	461.4	462.8	462.8	462.8	463.5	464.9	463.5	462.8	463.5	464.9
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



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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°	12.6	12.9	12.8	12.8	13.1	12.8	12.8
90°	26.7	28.4	29.3	29.3	29.3	29.3	29.3
92.5°	66.6	59.1	53.6	52.9	50.0	50.7	49.3
95°	178.9	141.5	121.9	110.4	103.3	100.6	101.5
97.5°	445.1	348.8	284.6	242.1	220.2	207.1	199.7
100°	702.1	580.2	472.6	398.7	360.4	334.7	318.6
102.5°	963.5	874.3	760.2	679.9	614.6	582.4	560.7
105°	1181.9	1193.5	1164.0	1108.8	1053.7	1015.4	1003.0
107.5°	1165.8	1258.4	1301.5	1308.4	1305.4	1297.7	1281.2
110°	1116.0	1229.9	1302.9	1341.1	1358.1	1366.1	1365.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1056.9	1178.7	1262.3	1315.5	1343.8	1359.0	1363.8
115°	976.2	1092.9	1184.5	1247.7	1288.6	1311.8	1319.8
117.5°	910.8	1016.5	1102.5	1166.9	1210.1	1234.6	1241.3
120°	876.6	970.9	1052.0	1114.2	1156.0	1181.9	1190.8
122.5°	848.1	937.5	1010.7	1066.5	1107.6	1130.6	1138.1
125°	810.7	889.0	955.8	1007.5	1041.3	1063.5	1070.6
127.5°	774.5	848.3	909.9	954.9	986.6	1005.8	1011.6
130°	750.2	820.6	879.3	922.9	953.1	970.9	978.0
132.5°	727.5	792.0	847.2	890.1	920.4	936.7	943.2
135°	691.5	750.2	800.0	838.3	867.7	883.7	887.3
137.5°	662.8	709.4	752.9	787.8	813.1	827.2	832.5
140°	644.4	685.3	724.4	752.9	776.1	789.4	794.7
142.5°	627.9	663.2	696.0	723.0	744.0	755.9	757.0
145°	607.0	634.5	660.3	681.7	696.9	705.7	708.4
147.5°	589.9	611.4	630.3	647.9	660.0	666.0	667.6
150°	578.5	597.2	613.1	626.5	637.2	642.6	643.5
152.5°	569.2	585.1	599.0	609.4	618.7	622.6	622.8
155°	554.5	567.8	577.6	587.4	593.6	597.2	595.4
157.5°	539.5	550.7	558.4	565.3	570.4	572.0	572.0
160°	529.5	539.3	545.5	551.8	556.2	557.1	557.1
162.5°	520.2	528.6	533.4	539.7	542.7	543.6	542.9
165°	506.4	512.6	516.2	519.7	523.3	523.3	522.4
167.5°	493.7	498.0	501.2	502.8	504.8	504.6	503.5
170°	485.9	489.5	491.2	492.1	494.8	493.9	492.1
172.5°	478.8	481.6	482.7	483.6	484.8	483.9	482.9
175°	470.8	471.7	472.6	472.6	473.5	472.6	470.8
177.5°	464.9	465.7	465.7	465.7	465.7	464.9	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8

(END OF REPORT)