

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: P331268-935

Luminaire Tested: **SA2XXDIP-C290D925U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331268-935  
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-C290D925U935-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

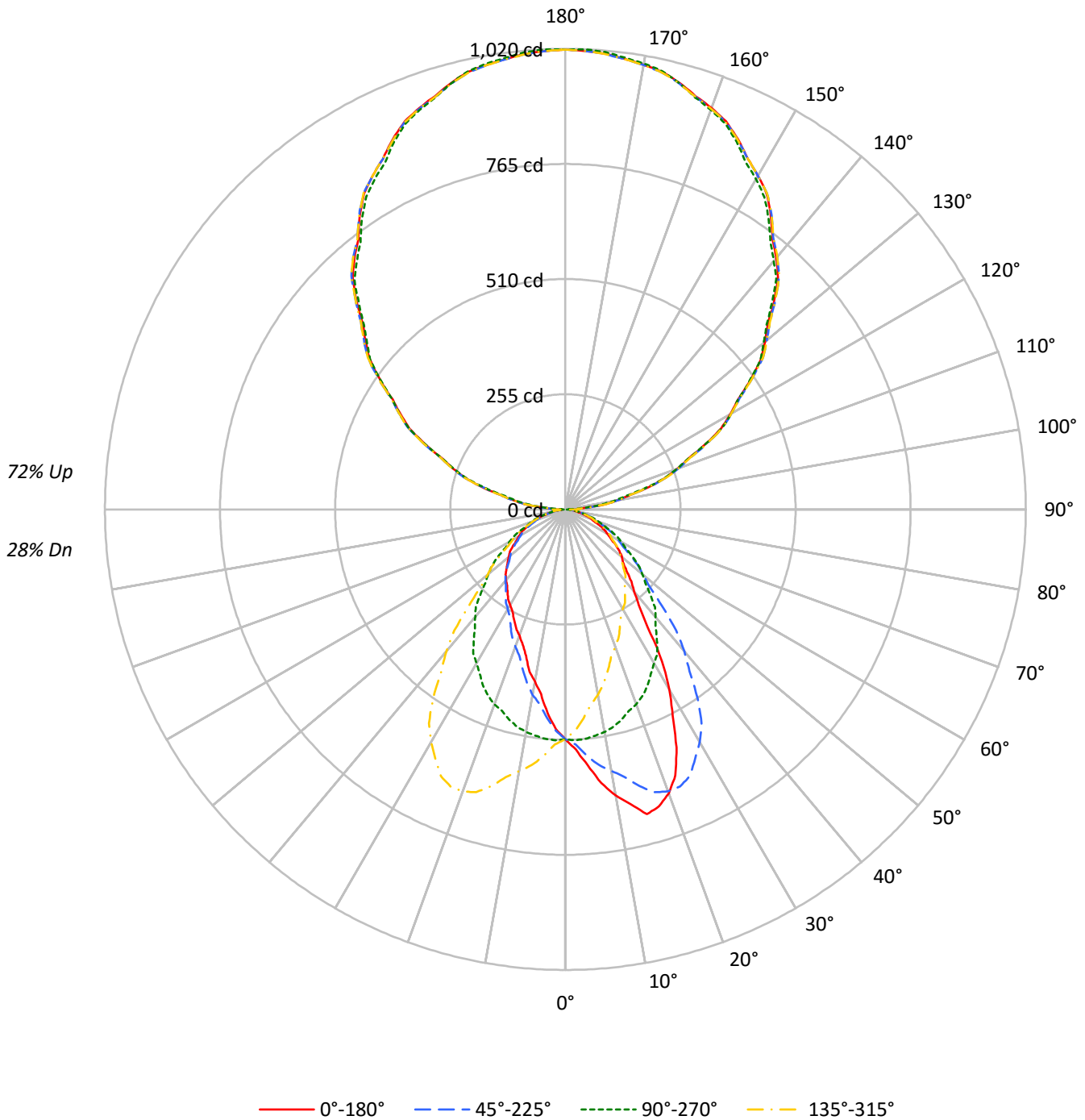
Lumens per Lamp: N/A  
Luminaire Lumens: 3973.9 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 37.3  
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: P331268-935  
CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28				
1	93	89	85	82	83	80	77	74	63	61	59	47	46	44	32	32	31	24				
2	85	78	72	67	76	70	65	61	55	52	49	41	39	38	29	28	27	21				
3	78	69	62	56	69	62	56	51	49	45	42	37	34	32	26	24	23	18				
4	71	61	53	48	63	55	49	44	44	39	36	33	30	28	23	21	20	16				
5	65	54	47	41	58	49	42	37	39	34	31	30	26	24	21	19	17	14				
6	60	49	41	35	54	44	37	33	35	30	27	27	24	21	19	17	16	12				
7	56	44	36	31	50	40	33	29	32	27	24	24	21	19	17	15	14	11				
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12	10				
9	48	36	29	24	43	33	27	22	27	22	19	21	17	15	15	13	11	9				
10	45	33	26	22	40	30	24	20	24	20	17	19	16	13	14	12	10	8				

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

	0°	90°	180°	270°
0°	8217	8217	8217	8217
5°	9211	8271	7329	8271
10°	10557	8202	6342	8202
15°	11677	8052	5605	8052
20°	11500	7892	5108	7892
25°	10368	7675	4794	7675
30°	8569	7333	4566	7333
35°	6244	6974	4401	6974
40°	4989	6551	4312	6551
45°	4359	6060	4190	6060
50°	4099	5586	4107	5586
55°	3775	5103	3997	5103
60°	3462	4592	3830	4592
65°	3156	4130	3660	4130
70°	2861	3682	3418	3682
75°	2539	3188	3026	3188
80°	2185	2631	2436	2631
85°	1964	1964	1445	1964



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.5	1.2
10°-20°	140.9	3.5
20°-30°	204.5	5.1
30°-40°	215.8	5.4
40°-50°	191.1	4.8
50°-60°	152.5	3.8
60°-70°	103.6	2.6
70°-80°	53.1	1.3
80°-90°	16.9	0.4
90°-100°	64.5	1.6
100°-110°	200.4	5.0
110°-120°	342.5	8.6
120°-130°	450.4	11.3
130°-140°	505.6	12.7
140°-150°	495.7	12.5
150°-160°	415.8	10.5
160°-170°	275.8	6.9
170°-180°	96.4	2.4
0°-30°	393.9	9.9
0°-40°	609.7	15.3
0°-60°	953.2	24.0
0°-90°	1126.9	28.4
90°-120°	607.4	15.3
90°-150°	2059.1	51.8
90°-180°	2847.0	71.6
0°-180°	3973.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	509	509	509	509	509	
5°	568	510	452	510	568	57
15°	699	482	335	482	699	193
25°	582	431	269	431	582	263
35°	317	354	223	354	317	206
45°	191	265	184	265	191	150
55°	134	181	142	181	134	120
65°	83	108	96	108	83	82
75°	41	51	48	51	41	43
85°	11	11	8	11	11	12
90°	29	1	29	1	29	13
95°	53	45	53	45	53	59
105°	191	185	191	185	191	201
115°	344	344	344	344	344	339
125°	502	500	502	500	502	447
135°	655	647	655	647	655	504
145°	794	785	794	785	794	496
155°	905	898	905	898	905	416
165°	978	977	978	977	978	276
175°	1013	1016	1013	1016	1013	96
180°	1018	1018	1018	1018	1018	



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	532.4	532.5	532.9	530.4	530.0	530.0	527.9	526.0	523.7	520.8	521.2
5°	568.3	570.5	571.3	568.9	565.4	565.1	561.7	556.3	551.1	547.1	544.2
7.5°	611.3	612.2	610.3	607.2	604.6	599.9	593.7	587.6	579.1	571.4	565.6
10°	643.9	645.1	641.7	637.2	633.5	628.0	619.1	609.8	598.7	588.0	579.4
12.5°	668.6	671.5	667.2	666.7	660.3	652.7	642.0	637.4	621.7	606.7	597.4
15°	698.6	698.4	698.9	695.1	690.4	689.2	678.0	665.6	643.5	634.6	619.4
17.5°	689.9	692.9	694.3	694.2	694.1	693.4	689.7	682.0	670.9	656.6	639.0
20°	669.3	673.2	673.8	678.3	680.9	684.2	685.5	683.4	676.6	664.6	649.4
22.5°	637.4	638.5	640.3	647.3	652.8	661.2	665.5	672.8	670.1	664.3	651.5
25°	582.0	580.1	586.9	590.5	603.2	616.5	626.1	636.6	646.0	651.7	648.0
27.5°	515.7	512.7	523.0	532.4	542.6	557.1	572.0	589.6	604.2	622.7	629.0
30°	459.6	461.4	471.1	481.1	496.8	517.1	534.0	553.3	574.3	594.8	609.1
32.5°	399.2	406.0	412.2	427.5	441.3	463.9	488.6	512.8	538.9	562.2	584.4
35°	316.8	324.7	333.3	344.4	363.8	386.2	410.4	443.0	478.6	510.5	536.7
37.5°	266.7	265.4	270.4	278.4	294.1	312.3	340.0	372.2	414.1	451.6	488.6
40°	236.7	235.9	239.4	246.8	258.7	272.1	296.4	324.7	363.6	409.4	453.4
42.5°	216.0	216.5	218.4	223.7	231.9	242.8	261.0	285.1	320.7	363.9	411.1
45°	190.9	192.3	194.4	197.0	201.6	210.7	220.8	238.1	266.2	302.2	348.7
47.5°	172.8	172.9	175.0	177.3	180.0	185.1	193.5	204.2	224.1	253.4	293.4
50°	163.2	161.8	163.3	165.1	168.0	171.5	177.0	187.2	200.4	224.1	257.6
52.5°	151.2	151.3	152.7	153.3	155.9	159.5	164.5	171.5	183.6	202.1	229.5
55°	134.1	135.2	136.0	137.1	139.5	142.0	145.9	150.6	160.0	173.8	194.2
57.5°	118.1	118.5	119.2	121.5	123.0	125.3	129.0	133.3	139.4	149.6	165.0
60°	107.2	107.2	108.7	109.7	111.7	114.0	116.9	121.1	126.6	134.9	147.3
62.5°	97.2	97.0	97.6	99.3	100.7	102.9	105.8	109.3	114.5	122.0	132.1
65°	82.6	82.1	83.3	83.7	85.2	87.4	89.8	93.5	97.6	103.1	112.1
67.5°	68.4	69.0	69.6	70.3	71.1	73.4	75.0	77.6	81.1	85.7	91.7
70°	60.6	60.6	60.6	61.2	62.4	63.5	65.1	67.2	70.6	74.5	80.0
72.5°	51.8	52.5	53.1	52.8	54.2	54.9	56.8	58.0	61.2	63.7	68.5
75°	40.7	40.7	40.7	41.7	42.3	42.8	44.0	45.2	46.8	49.9	52.4
77.5°	30.4	30.3	30.5	30.7	31.3	32.0	32.4	33.4	34.9	36.3	38.5
80°	23.5	23.8	24.0	24.5	24.5	24.8	25.1	26.4	27.4	28.3	29.7
82.5°	18.2	18.3	18.3	18.3	18.5	18.8	19.3	19.7	20.1	20.8	21.9
85°	10.6	10.3	10.3	10.8	10.6	10.6	10.9	11.4	11.4	11.5	12.1
87.5°	9.9	9.9	10.0	9.8	9.7	9.9	10.0	9.9	10.2	10.4	9.7
90°	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3	29.7	30.0	25.8
92.5°	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5	27.4	27.3	26.3
95°	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0	55.0	55.0	54.6
97.5°	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	91.7
100°	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6	118.6	118.6	118.0
102.5°	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1	146.9	146.8	146.0
105°	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8	189.4	189.0	188.6
107.5°	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9	235.7	235.6	235.6
110°	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3	267.3	267.3	267.3



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6	299.1	299.5	299.7
115°	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7	347.0	347.2	347.5
117.5°	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3	393.7	394.3	395.3
120°	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5	424.5	424.5	426.0
122.5°	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5	457.0	457.4	458.6
125°	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1	504.6	505.2	505.8
127.5°	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3	551.0	551.6	552.3
130°	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8	582.2	582.6	583.0
132.5°	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5	613.4	614.2	614.1
135°	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8	658.0	658.1	657.8
137.5°	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2	701.4	701.5	701.0
140°	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4	730.4	730.4	729.4
142.5°	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8	756.6	756.5	755.8
145°	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9	796.7	796.5	795.4
147.5°	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1	831.6	831.2	830.4
150°	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4	853.8	853.3	852.5
152.5°	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7	876.0	875.2	874.3
155°	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0	904.0	903.0	902.5
157.5°	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1	929.8	928.5	928.2
160°	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6	945.5	944.3	944.1
162.5°	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6	959.3	958.0	957.9
165°	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8	977.4	976.1	976.1
167.5°	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7	992.4	991.0	991.1
170°	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9	1000.7	999.3	999.4
172.5°	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1	1006.9	1005.5	1005.6
175°	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9	1013.5	1012.2	1012.5
177.5°	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2	1016.4
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	522.2	521.0	520.2	517.4	514.9	512.4	511.6	511.9	508.4	505.1	503.8
5°	542.6	538.6	534.9	529.7	523.4	516.5	513.1	510.3	503.4	496.0	491.7
7.5°	560.8	555.2	548.0	538.1	529.0	518.2	511.3	505.3	495.3	484.8	478.4
10°	571.9	564.3	555.1	542.9	531.8	518.7	509.5	500.3	488.6	476.0	468.2
12.5°	581.4	571.2	562.1	546.6	533.4	516.9	506.1	493.1	480.8	465.9	458.2
15°	604.2	585.2	568.0	550.4	534.2	511.3	499.1	481.7	465.5	447.1	438.3
17.5°	621.7	600.4	573.3	551.0	532.0	506.6	488.9	468.0	448.8	427.8	415.9
20°	631.7	607.3	578.2	551.6	528.9	499.9	480.5	459.3	436.8	413.1	400.2
22.5°	637.7	612.0	583.2	549.2	522.6	494.5	470.1	446.7	424.0	398.4	384.9
25°	639.6	616.1	585.6	547.3	514.8	482.9	453.6	430.8	403.3	379.4	359.7
27.5°	630.3	613.5	584.1	543.5	505.8	468.5	435.8	410.1	381.0	355.1	335.2
30°	618.8	609.1	580.5	539.8	498.5	458.5	422.5	393.3	364.4	338.2	317.8
32.5°	601.2	599.1	573.9	534.5	490.9	445.8	408.5	379.1	347.0	321.2	301.9
35°	566.5	575.8	560.0	522.6	476.5	427.7	387.4	353.8	320.6	295.9	277.8
37.5°	519.9	543.2	539.1	505.2	456.9	408.1	363.6	328.5	296.8	271.9	254.1
40°	487.8	517.5	521.9	491.9	443.2	393.0	345.8	310.8	279.9	257.2	239.2
42.5°	453.4	488.1	499.9	476.0	428.2	376.9	329.8	293.6	262.9	240.9	225.0
45°	395.7	441.6	463.0	449.3	403.1	350.7	302.2	265.4	237.6	216.9	204.6
47.5°	341.7	391.9	420.6	415.8	375.2	323.3	275.3	240.0	213.0	196.5	185.5
50°	303.6	355.2	389.8	391.4	355.2	303.8	255.6	222.4	197.5	182.1	173.1
52.5°	270.4	319.7	357.4	365.8	332.8	283.4	238.0	204.8	183.0	168.8	160.7
55°	227.0	268.7	310.6	325.9	299.5	252.5	210.4	181.3	160.7	151.0	144.0
57.5°	188.8	223.5	262.2	279.1	262.8	222.6	183.1	157.8	141.2	132.6	127.2
60°	168.6	196.0	230.4	250.6	236.4	200.7	166.3	142.2	128.5	120.9	115.8
62.5°	149.8	174.1	203.2	221.6	214.0	180.2	149.4	128.1	116.3	109.2	105.5
65°	123.6	142.8	165.3	182.3	177.2	151.6	126.3	108.1	98.8	93.1	90.1
67.5°	101.8	115.6	131.2	146.1	142.1	123.9	103.7	89.5	82.5	77.6	75.8
70°	88.0	98.6	112.4	124.4	121.1	106.2	90.1	78.0	72.0	67.8	66.1
72.5°	74.9	83.5	94.2	103.9	101.7	89.3	75.9	66.8	62.1	58.3	56.9
75°	56.6	63.2	69.7	76.1	75.5	66.0	58.1	51.1	47.4	44.4	43.8
77.5°	41.8	45.5	49.9	53.6	52.6	47.1	41.0	36.9	34.3	32.3	31.9
80°	31.9	34.0	37.2	39.9	38.6	36.2	31.3	28.3	26.4	24.5	23.7
82.5°	23.2	25.2	27.1	28.7	27.6	25.4	22.4	20.4	19.2	17.9	17.6
85°	12.1	13.3	14.1	14.5	14.1	12.7	11.4	10.6	9.6	9.0	8.8
87.5°	9.0	8.2	7.3	7.0	6.1	5.6	4.6	3.6	3.9	4.2	4.4
90°	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9	3.2	5.4	7.7
92.5°	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3	17.0	18.7	20.3
95°	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7	46.6	48.5	50.4
97.5°	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6	83.3	85.0	86.7
100°	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1	110.6	112.2	113.7
102.5°	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0	139.2	140.4	141.6
105°	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8	185.3	185.9	186.5
107.5°	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8	232.6	233.5	234.4
110°	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1	263.2	264.3	265.5





TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1	296.2	297.4	298.5
115°	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7	344.8	345.9	347.2
117.5°	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2	393.6	395.2	396.7
120°	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	426.0	427.5	429.0
122.5°	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0	455.8	457.7	459.5
125°	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1	501.8	503.5	505.2
127.5°	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9	547.1	549.3	551.5
130°	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1	575.6	578.1	580.6
132.5°	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8	606.7	608.8	610.8
135°	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0	649.1	651.2	653.3
137.5°	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6	693.2	694.9	696.6
140°	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3	720.1	721.8	723.5
142.5°	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8	747.5	749.2	751.0
145°	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3	786.7	788.0	789.4
147.5°	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5	822.2	823.8	825.4
150°	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6	845.8	846.9	848.1
152.5°	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9	867.1	868.2	869.4
155°	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9	898.5	899.1	899.7
157.5°	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2	925.6	926.0	926.3
160°	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8	942.1	942.5	942.9
162.5°	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8	956.9	957.0	957.1
165°	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0	976.8	976.5	976.4
167.5°	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8	993.2	992.6	992.0
170°	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7	1002.1	1001.6	1001.0
172.5°	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9	1008.3	1007.8	1007.2
175°	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5	1015.9	1015.3	1014.8
177.5°	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6	1019.1	1018.6	1018.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	502.2	501.3	498.0	496.3	493.4	490.8	489.0	489.8	490.4	490.2	489.7
5°	487.8	484.1	478.4	473.6	470.0	463.6	460.8	459.4	458.2	456.9	455.6
7.5°	470.6	464.8	456.7	449.7	443.2	435.1	430.5	427.8	425.0	421.9	419.1
10°	458.5	450.2	441.6	431.9	424.0	416.8	410.4	406.0	402.1	398.4	395.7
12.5°	445.7	436.2	425.5	412.2	403.6	393.1	392.2	384.6	378.5	376.2	373.0
15°	425.2	411.9	398.4	382.5	375.7	366.4	360.5	354.6	349.3	345.6	344.7
17.5°	402.0	384.8	371.3	360.0	348.8	339.1	333.7	329.1	324.7	319.8	319.1
20°	384.4	369.5	354.8	344.8	333.3	323.5	316.8	312.2	308.4	305.5	303.0
22.5°	367.6	351.3	337.9	327.0	315.6	307.7	302.5	297.9	294.8	291.6	289.2
25°	340.7	328.0	313.3	301.0	291.6	286.5	282.2	278.4	276.4	274.2	271.5
27.5°	317.2	303.1	289.4	279.8	271.6	267.1	264.0	261.3	259.5	258.2	256.7
30°	300.7	286.4	275.6	266.2	259.3	254.9	252.9	251.3	249.2	248.4	247.6
32.5°	284.6	271.8	262.6	254.4	248.0	245.0	243.2	241.8	240.1	239.4	237.7
35°	262.1	251.3	242.4	237.8	232.6	230.0	228.7	226.7	225.2	224.4	224.1
37.5°	240.8	231.5	225.6	219.8	217.6	216.0	214.1	212.8	212.3	212.2	212.0
40°	227.0	219.5	214.1	209.5	208.5	206.1	204.6	203.5	203.5	203.6	203.5
42.5°	214.6	207.7	203.0	199.0	197.9	196.5	194.8	194.8	195.1	195.8	195.1
45°	195.6	190.7	187.4	185.5	183.3	181.9	181.7	182.3	182.4	182.7	183.3
47.5°	178.1	174.9	171.9	169.7	168.8	168.6	168.3	169.4	170.3	170.7	171.5
50°	167.8	164.1	161.5	160.1	159.4	159.0	159.4	160.6	161.4	162.3	162.9
52.5°	156.3	153.6	151.9	150.8	150.5	150.8	150.8	152.1	153.3	153.8	154.0
55°	140.3	138.3	137.9	136.1	136.9	136.7	137.7	138.4	139.7	140.9	141.0
57.5°	124.2	122.7	121.7	121.8	122.1	123.0	123.7	125.1	126.3	127.6	127.7
60°	113.7	112.9	112.3	112.3	112.6	113.8	114.8	116.1	116.9	117.8	118.3
62.5°	103.9	103.1	102.5	102.9	103.9	104.6	105.7	106.5	107.3	108.1	108.3
65°	88.6	88.3	88.8	89.2	89.4	90.3	91.7	92.3	93.1	93.5	94.9
67.5°	74.5	74.6	74.5	75.0	76.2	76.4	77.7	79.0	79.2	80.0	80.8
70°	64.9	65.3	65.7	66.1	67.1	67.5	68.4	69.1	69.8	70.4	71.0
72.5°	56.1	56.2	56.7	56.6	57.4	58.2	59.1	59.7	60.4	61.2	61.7
75°	43.2	43.2	43.7	43.8	44.8	45.8	45.5	46.0	46.8	47.5	48.0
77.5°	31.6	31.2	31.6	31.8	32.1	32.9	33.1	33.6	34.5	34.3	34.7
80°	24.0	23.5	24.0	24.3	24.3	25.2	25.2	25.7	26.2	25.7	26.2
82.5°	17.1	16.9	17.3	17.4	17.7	17.7	18.0	18.1	18.7	18.4	18.7
85°	8.6	8.4	8.6	8.4	8.6	8.8	8.8	8.6	8.6	9.0	8.4
87.5°	4.6	5.2	5.9	6.7	7.4	8.0	7.8	7.7	7.7	7.2	7.2
90°	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3	28.9	28.6	28.4
92.5°	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5	27.6	27.6	27.7
95°	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0	55.0	55.0	54.8
97.5°	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5	92.5	92.5	92.5
100°	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6	118.6	118.6	118.5
102.5°	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1	147.2	147.4	147.3
105°	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8	190.2	190.5	190.7
107.5°	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9	236.1	236.2	235.8
110°	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	266.9



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6	298.2	297.7	297.2
115°	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7	346.6	346.4	345.9
117.5°	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3	392.9	392.4	391.8
120°	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5	424.5	424.5	424.2
122.5°	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5	456.1	455.6	455.2
125°	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1	503.5	502.9	502.6
127.5°	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3	549.6	548.9	548.2
130°	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8	581.4	581.0	580.5
132.5°	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5	611.7	610.8	610.1
135°	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8	657.6	657.4	657.0
137.5°	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2	701.0	700.9	700.4
140°	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4	730.4	730.4	730.0
142.5°	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8	756.9	757.1	756.8
145°	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9	797.1	797.3	797.0
147.5°	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1	832.5	832.9	832.8
150°	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4	855.0	855.5	855.5
152.5°	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7	877.4	878.1	878.1
155°	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0	905.9	906.9	907.1
157.5°	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1	932.4	933.7	933.8
160°	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6	947.7	948.9	949.1
162.5°	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6	961.9	963.2	963.5
165°	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8	980.1	981.5	981.6
167.5°	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7	995.1	996.3	996.5
170°	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9	1003.3	1004.6	1004.7
172.5°	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1	1009.5	1010.8	1010.9
175°	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9	1016.2	1017.5	1017.6
177.5°	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	488.1	487.8	487.8	486.4	487.8	487.8	488.1	489.7	490.2	490.4	489.8
5°	452.8	452.2	451.3	452.2	451.3	452.2	452.8	455.6	456.9	458.2	459.4
7.5°	417.8	415.5	415.2	412.8	415.2	415.5	417.8	419.1	421.9	425.0	427.8
10°	392.4	390.8	390.5	386.8	390.5	390.8	392.4	395.7	398.4	402.1	406.0
12.5°	373.0	369.2	370.0	367.8	370.0	369.2	373.0	373.0	376.2	378.5	384.6
15°	339.3	339.3	338.5	335.3	338.5	339.3	339.3	344.7	345.6	349.3	354.6
17.5°	315.2	314.8	313.0	313.9	313.0	314.8	315.2	319.1	319.8	324.7	329.1
20°	300.8	299.6	297.3	297.3	297.3	299.6	300.8	303.0	305.5	308.4	312.2
22.5°	287.2	287.1	284.6	285.4	284.6	287.1	287.2	289.2	291.6	294.8	297.9
25°	271.3	269.8	268.5	269.1	268.5	269.8	271.3	271.5	274.2	276.4	278.4
27.5°	256.1	255.3	255.2	253.7	255.2	255.3	256.1	256.7	258.2	259.5	261.3
30°	247.5	245.5	245.8	244.9	245.8	245.5	247.5	247.6	248.4	249.2	251.3
32.5°	237.4	236.7	236.3	235.5	236.3	236.7	237.4	237.7	239.4	240.1	241.8
35°	223.8	223.9	223.0	223.3	223.0	223.9	223.8	224.1	224.4	225.2	226.7
37.5°	211.8	212.4	212.0	212.1	212.0	212.4	211.8	212.0	212.2	212.3	212.8
40°	204.0	204.0	204.0	204.6	204.0	204.0	204.0	203.5	203.6	203.5	203.5
42.5°	196.5	196.1	195.9	195.8	195.9	196.1	196.5	195.1	195.8	195.1	194.8
45°	183.7	184.3	184.4	183.5	184.4	184.3	183.7	183.3	182.7	182.4	182.3
47.5°	172.0	172.1	172.0	172.9	172.0	172.1	172.0	171.5	170.7	170.3	169.4
50°	163.9	163.5	163.9	163.5	163.9	163.5	163.9	162.9	162.3	161.4	160.6
52.5°	155.3	155.4	155.2	155.1	155.2	155.4	155.3	154.0	153.8	153.3	152.1
55°	141.8	142.2	142.0	142.0	142.0	142.2	141.8	141.0	140.9	139.7	138.4
57.5°	127.9	128.2	128.5	127.6	128.5	128.2	127.9	127.7	127.6	126.3	125.1
60°	118.1	119.1	118.9	118.6	118.9	119.1	118.1	118.3	117.8	116.9	116.1
62.5°	109.2	109.6	109.5	109.4	109.5	109.6	109.2	108.3	108.1	107.3	106.5
65°	95.5	95.8	95.2	95.8	95.2	95.8	95.5	94.9	93.5	93.1	92.3
67.5°	80.6	80.8	81.2	81.5	81.2	80.8	80.6	80.8	80.0	79.2	79.0
70°	71.4	71.2	71.8	72.4	71.8	71.2	71.4	71.0	70.4	69.8	69.1
72.5°	61.6	62.1	61.9	62.3	61.9	62.1	61.6	61.7	61.2	60.4	59.7
75°	47.5	48.1	48.0	48.5	48.0	48.1	47.5	48.0	47.5	46.8	46.0
77.5°	34.4	34.4	34.4	34.7	34.4	34.4	34.4	34.7	34.3	34.5	33.6
80°	26.2	25.8	25.4	26.2	25.4	25.8	26.2	26.2	25.7	26.2	25.7
82.5°	18.3	18.4	18.1	18.1	18.1	18.4	18.3	18.7	18.4	18.7	18.1
85°	8.4	8.2	7.8	7.8	7.8	8.2	8.4	8.4	9.0	8.6	8.6
87.5°	7.3	7.1	7.2	7.1	7.2	7.1	7.3	7.2	7.2	7.7	7.7
90°	28.7	28.8	29.0	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3
92.5°	27.7	27.7	27.8	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5
95°	54.4	54.1	53.6	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0
97.5°	92.4	92.4	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5
100°	118.3	118.1	117.9	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6
102.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1
105°	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8
107.5°	235.0	234.1	233.2	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9
110°	266.4	265.8	265.2	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	296.9	296.4	296.0	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6
115°	345.4	344.8	344.2	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7
117.5°	391.3	390.7	390.1	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3
120°	423.6	423.0	422.5	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5
122.5°	454.8	454.3	453.9	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5
125°	502.4	502.1	502.0	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1
127.5°	547.6	547.0	546.4	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3
130°	579.7	578.9	578.2	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8
132.5°	609.5	608.9	608.3	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5
135°	656.4	655.9	655.3	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8
137.5°	699.6	698.9	698.1	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2
140°	729.2	728.4	727.7	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4
142.5°	756.0	755.3	754.5	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8
145°	796.3	795.5	794.7	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9
147.5°	832.1	831.3	830.6	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1
150°	855.0	854.4	853.8	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4
152.5°	877.4	876.7	876.0	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7
155°	906.5	905.9	905.3	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0
157.5°	933.0	932.0	931.1	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1
160°	948.3	947.5	946.8	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6
162.5°	962.5	961.6	960.7	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6
165°	980.7	979.7	978.8	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8
167.5°	995.6	994.5	993.6	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7
170°	1003.6	1002.5	1001.3	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9
172.5°	1009.8	1008.7	1007.5	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1
175°	1016.5	1015.3	1014.2	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9
177.5°	1018.9	1018.0	1017.0	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	489.0	490.8	493.4	496.3	498.0	501.3	502.2	503.8	505.1	508.4	511.9
5°	460.8	463.6	470.0	473.6	478.4	484.1	487.8	491.7	496.0	503.4	510.3
7.5°	430.5	435.1	443.2	449.7	456.7	464.8	470.6	478.4	484.8	495.3	505.3
10°	410.4	416.8	424.0	431.9	441.6	450.2	458.5	468.2	476.0	488.6	500.3
12.5°	392.2	393.1	403.6	412.2	425.5	436.2	445.7	458.2	465.9	480.8	493.1
15°	360.5	366.4	375.7	382.5	398.4	411.9	425.2	438.3	447.1	465.5	481.7
17.5°	333.7	339.1	348.8	360.0	371.3	384.8	402.0	415.9	427.8	448.8	468.0
20°	316.8	323.5	333.3	344.8	354.8	369.5	384.4	400.2	413.1	436.8	459.3
22.5°	302.5	307.7	315.6	327.0	337.9	351.3	367.6	384.9	398.4	424.0	446.7
25°	282.2	286.5	291.6	301.0	313.3	328.0	340.7	359.7	379.4	403.3	430.8
27.5°	264.0	267.1	271.6	279.8	289.4	303.1	317.2	335.2	355.1	381.0	410.1
30°	252.9	254.9	259.3	266.2	275.6	286.4	300.7	317.8	338.2	364.4	393.3
32.5°	243.2	245.0	248.0	254.4	262.6	271.8	284.6	301.9	321.2	347.0	379.1
35°	228.7	230.0	232.6	237.8	242.4	251.3	262.1	277.8	295.9	320.6	353.8
37.5°	214.1	216.0	217.6	219.8	225.6	231.5	240.8	254.1	271.9	296.8	328.5
40°	204.6	206.1	208.5	209.5	214.1	219.5	227.0	239.2	257.2	279.9	310.8
42.5°	194.8	196.5	197.9	199.0	203.0	207.7	214.6	225.0	240.9	262.9	293.6
45°	181.7	181.9	183.3	185.5	187.4	190.7	195.6	204.6	216.9	237.6	265.4
47.5°	168.3	168.6	168.8	169.7	171.9	174.9	178.1	185.5	196.5	213.0	240.0
50°	159.4	159.0	159.4	160.1	161.5	164.1	167.8	173.1	182.1	197.5	222.4
52.5°	150.8	150.8	150.5	150.8	151.9	153.6	156.3	160.7	168.8	183.0	204.8
55°	137.7	136.7	136.9	136.1	137.9	138.3	140.3	144.0	151.0	160.7	181.3
57.5°	123.7	123.0	122.1	121.8	121.7	122.7	124.2	127.2	132.6	141.2	157.8
60°	114.8	113.8	112.6	112.3	112.3	112.9	113.7	115.8	120.9	128.5	142.2
62.5°	105.7	104.6	103.9	102.9	102.5	103.1	103.9	105.5	109.2	116.3	128.1
65°	91.7	90.3	89.4	89.2	88.8	88.3	88.6	90.1	93.1	98.8	108.1
67.5°	77.7	76.4	76.2	75.0	74.5	74.6	74.5	75.8	77.6	82.5	89.5
70°	68.4	67.5	67.1	66.1	65.7	65.3	64.9	66.1	67.8	72.0	78.0
72.5°	59.1	58.2	57.4	56.6	56.7	56.2	56.1	56.9	58.3	62.1	66.8
75°	45.5	45.8	44.8	43.8	43.7	43.2	43.2	43.8	44.4	47.4	51.1
77.5°	33.1	32.9	32.1	31.8	31.6	31.2	31.6	31.9	32.3	34.3	36.9
80°	25.2	25.2	24.3	24.3	24.0	23.5	24.0	23.7	24.5	26.4	28.3
82.5°	18.0	17.7	17.7	17.4	17.3	16.9	17.1	17.6	17.9	19.2	20.4
85°	8.8	8.8	8.6	8.4	8.6	8.4	8.6	8.8	9.0	9.6	10.6
87.5°	7.8	8.0	7.4	6.7	5.9	5.2	4.6	4.4	4.2	3.9	3.6
90°	29.7	30.0	25.8	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9
92.5°	27.4	27.3	26.3	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3
95°	55.0	55.0	54.6	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7
97.5°	92.5	92.5	91.7	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6
100°	118.6	118.6	118.0	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1
102.5°	146.9	146.8	146.0	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0
105°	189.4	189.0	188.6	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8
107.5°	235.7	235.6	235.6	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8
110°	267.3	267.3	267.3	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	299.1	299.5	299.7	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1
115°	347.0	347.2	347.5	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7
117.5°	393.7	394.3	395.3	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2
120°	424.5	424.5	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5
122.5°	457.0	457.4	458.6	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0
125°	504.6	505.2	505.8	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1
127.5°	551.0	551.6	552.3	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9
130°	582.2	582.6	583.0	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1
132.5°	613.4	614.2	614.1	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8
135°	658.0	658.1	657.8	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0
137.5°	701.4	701.5	701.0	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6
140°	730.4	730.4	729.4	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3
142.5°	756.6	756.5	755.8	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8
145°	796.7	796.5	795.4	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3
147.5°	831.6	831.2	830.4	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5
150°	853.8	853.3	852.5	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6
152.5°	876.0	875.2	874.3	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9
155°	904.0	903.0	902.5	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9
157.5°	929.8	928.5	928.2	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2
160°	945.5	944.3	944.1	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8
162.5°	959.3	958.0	957.9	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8
165°	977.4	976.1	976.1	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0
167.5°	992.4	991.0	991.1	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8
170°	1000.7	999.3	999.4	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7
172.5°	1006.9	1005.5	1005.6	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9
175°	1013.5	1012.2	1012.5	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5
177.5°	1017.0	1016.2	1016.4	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	511.6	512.4	514.9	517.4	520.2	521.0	522.2	521.2	520.8	523.7	526.0
5°	513.1	516.5	523.4	529.7	534.9	538.6	542.6	544.2	547.1	551.1	556.3
7.5°	511.3	518.2	529.0	538.1	548.0	555.2	560.8	565.6	571.4	579.1	587.6
10°	509.5	518.7	531.8	542.9	555.1	564.3	571.9	579.4	588.0	598.7	609.8
12.5°	506.1	516.9	533.4	546.6	562.1	571.2	581.4	597.4	606.7	621.7	637.4
15°	499.1	511.3	534.2	550.4	568.0	585.2	604.2	619.4	634.6	643.5	665.6
17.5°	488.9	506.6	532.0	551.0	573.3	600.4	621.7	639.0	656.6	670.9	682.0
20°	480.5	499.9	528.9	551.6	578.2	607.3	631.7	649.4	664.6	676.6	683.4
22.5°	470.1	494.5	522.6	549.2	583.2	612.0	637.7	651.5	664.3	670.1	672.8
25°	453.6	482.9	514.8	547.3	585.6	616.1	639.6	648.0	651.7	646.0	636.6
27.5°	435.8	468.5	505.8	543.5	584.1	613.5	630.3	629.0	622.7	604.2	589.6
30°	422.5	458.5	498.5	539.8	580.5	609.1	618.8	609.1	594.8	574.3	553.3
32.5°	408.5	445.8	490.9	534.5	573.9	599.1	601.2	584.4	562.2	538.9	512.8
35°	387.4	427.7	476.5	522.6	560.0	575.8	566.5	536.7	510.5	478.6	443.0
37.5°	363.6	408.1	456.9	505.2	539.1	543.2	519.9	488.6	451.6	414.1	372.2
40°	345.8	393.0	443.2	491.9	521.9	517.5	487.8	453.4	409.4	363.6	324.7
42.5°	329.8	376.9	428.2	476.0	499.9	488.1	453.4	411.1	363.9	320.7	285.1
45°	302.2	350.7	403.1	449.3	463.0	441.6	395.7	348.7	302.2	266.2	238.1
47.5°	275.3	323.3	375.2	415.8	420.6	391.9	341.7	293.4	253.4	224.1	204.2
50°	255.6	303.8	355.2	391.4	389.8	355.2	303.6	257.6	224.1	200.4	187.2
52.5°	238.0	283.4	332.8	365.8	357.4	319.7	270.4	229.5	202.1	183.6	171.5
55°	210.4	252.5	299.5	325.9	310.6	268.7	227.0	194.2	173.8	160.0	150.6
57.5°	183.1	222.6	262.8	279.1	262.2	223.5	188.8	165.0	149.6	139.4	133.3
60°	166.3	200.7	236.4	250.6	230.4	196.0	168.6	147.3	134.9	126.6	121.1
62.5°	149.4	180.2	214.0	221.6	203.2	174.1	149.8	132.1	122.0	114.5	109.3
65°	126.3	151.6	177.2	182.3	165.3	142.8	123.6	112.1	103.1	97.6	93.5
67.5°	103.7	123.9	142.1	146.1	131.2	115.6	101.8	91.7	85.7	81.1	77.6
70°	90.1	106.2	121.1	124.4	112.4	98.6	88.0	80.0	74.5	70.6	67.2
72.5°	75.9	89.3	101.7	103.9	94.2	83.5	74.9	68.5	63.7	61.2	58.0
75°	58.1	66.0	75.5	76.1	69.7	63.2	56.6	52.4	49.9	46.8	45.2
77.5°	41.0	47.1	52.6	53.6	49.9	45.5	41.8	38.5	36.3	34.9	33.4
80°	31.3	36.2	38.6	39.9	37.2	34.0	31.9	29.7	28.3	27.4	26.4
82.5°	22.4	25.4	27.6	28.7	27.1	25.2	23.2	21.9	20.8	20.1	19.7
85°	11.4	12.7	14.1	14.5	14.1	13.3	12.1	12.1	11.5	11.4	11.4
87.5°	4.6	5.6	6.1	7.0	7.3	8.2	9.0	9.7	10.4	10.2	9.9
90°	3.2	5.4	7.7	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3
92.5°	17.0	18.7	20.3	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5
95°	46.6	48.5	50.4	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0
97.5°	83.3	85.0	86.7	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5
100°	110.6	112.2	113.7	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6
102.5°	139.2	140.4	141.6	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1
105°	185.3	185.9	186.5	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8
107.5°	232.6	233.5	234.4	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9
110°	263.2	264.3	265.5	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3





TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	297.4	298.5	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6
115°	344.8	345.9	347.2	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7
117.5°	393.6	395.2	396.7	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3
120°	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5
122.5°	455.8	457.7	459.5	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5
125°	501.8	503.5	505.2	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1
127.5°	547.1	549.3	551.5	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3
130°	575.6	578.1	580.6	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8
132.5°	606.7	608.8	610.8	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5
135°	649.1	651.2	653.3	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8
137.5°	693.2	694.9	696.6	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2
140°	720.1	721.8	723.5	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4
142.5°	747.5	749.2	751.0	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8
145°	786.7	788.0	789.4	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9
147.5°	822.2	823.8	825.4	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1
150°	845.8	846.9	848.1	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4
152.5°	867.1	868.2	869.4	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7
155°	898.5	899.1	899.7	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0
157.5°	925.6	926.0	926.3	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1
160°	942.1	942.5	942.9	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6
162.5°	956.9	957.0	957.1	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6
165°	976.8	976.5	976.4	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8
167.5°	993.2	992.6	992.0	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7
170°	1002.1	1001.6	1001.0	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9
172.5°	1008.3	1007.8	1007.2	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1
175°	1015.9	1015.3	1014.8	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9
177.5°	1019.1	1018.6	1018.2	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	527.9	530.0	530.0	530.4	532.9	532.5	532.4
5°	561.7	565.1	565.4	568.9	571.3	570.5	568.3
7.5°	593.7	599.9	604.6	607.2	610.3	612.2	611.3
10°	619.1	628.0	633.5	637.2	641.7	645.1	643.9
12.5°	642.0	652.7	660.3	666.7	667.2	671.5	668.6
15°	678.0	689.2	690.4	695.1	698.9	698.4	698.6
17.5°	689.7	693.4	694.1	694.2	694.3	692.9	689.9
20°	685.5	684.2	680.9	678.3	673.8	673.2	669.3
22.5°	665.5	661.2	652.8	647.3	640.3	638.5	637.4
25°	626.1	616.5	603.2	590.5	586.9	580.1	582.0
27.5°	572.0	557.1	542.6	532.4	523.0	512.7	515.7
30°	534.0	517.1	496.8	481.1	471.1	461.4	459.6
32.5°	488.6	463.9	441.3	427.5	412.2	406.0	399.2
35°	410.4	386.2	363.8	344.4	333.3	324.7	316.8
37.5°	340.0	312.3	294.1	278.4	270.4	265.4	266.7
40°	296.4	272.1	258.7	246.8	239.4	235.9	236.7
42.5°	261.0	242.8	231.9	223.7	218.4	216.5	216.0
45°	220.8	210.7	201.6	197.0	194.4	192.3	190.9
47.5°	193.5	185.1	180.0	177.3	175.0	172.9	172.8
50°	177.0	171.5	168.0	165.1	163.3	161.8	163.2
52.5°	164.5	159.5	155.9	153.3	152.7	151.3	151.2
55°	145.9	142.0	139.5	137.1	136.0	135.2	134.1
57.5°	129.0	125.3	123.0	121.5	119.2	118.5	118.1
60°	116.9	114.0	111.7	109.7	108.7	107.2	107.2
62.5°	105.8	102.9	100.7	99.3	97.6	97.0	97.2
65°	89.8	87.4	85.2	83.7	83.3	82.1	82.6
67.5°	75.0	73.4	71.1	70.3	69.6	69.0	68.4
70°	65.1	63.5	62.4	61.2	60.6	60.6	60.6
72.5°	56.8	54.9	54.2	52.8	53.1	52.5	51.8
75°	44.0	42.8	42.3	41.7	40.7	40.7	40.7
77.5°	32.4	32.0	31.3	30.7	30.5	30.3	30.4
80°	25.1	24.8	24.5	24.5	24.0	23.8	23.5
82.5°	19.3	18.8	18.5	18.3	18.3	18.3	18.2
85°	10.9	10.6	10.6	10.8	10.3	10.3	10.6
87.5°	10.0	9.9	9.7	9.8	10.0	9.9	9.9
90°	28.9	28.6	28.4	28.7	28.8	29.0	29.2
92.5°	27.6	27.6	27.7	27.7	27.7	27.8	27.8
95°	55.0	55.0	54.8	54.4	54.1	53.6	53.3
97.5°	92.5	92.5	92.5	92.4	92.4	92.3	92.3
100°	118.6	118.6	118.5	118.3	118.1	117.9	117.7
102.5°	147.2	147.4	147.3	147.1	147.0	146.8	146.6
105°	190.2	190.5	190.7	190.7	190.7	190.7	190.7
107.5°	236.1	236.2	235.8	235.0	234.1	233.2	232.3
110°	267.3	267.3	266.9	266.4	265.8	265.2	264.7



TEST NUMBER: P331268-935

CATALOG NUMBER: SA2XXDIP-C290D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.2	297.7	297.2	296.9	296.4	296.0	295.6
115°	346.6	346.4	345.9	345.4	344.8	344.2	343.7
117.5°	392.9	392.4	391.8	391.3	390.7	390.1	389.6
120°	424.5	424.5	424.2	423.6	423.0	422.5	421.9
122.5°	456.1	455.6	455.2	454.8	454.3	453.9	453.5
125°	503.5	502.9	502.6	502.4	502.1	502.0	501.8
127.5°	549.6	548.9	548.2	547.6	547.0	546.4	545.8
130°	581.4	581.0	580.5	579.7	578.9	578.2	577.4
132.5°	611.7	610.8	610.1	609.5	608.9	608.3	607.7
135°	657.6	657.4	657.0	656.4	655.9	655.3	654.7
137.5°	701.0	700.9	700.4	699.6	698.9	698.1	697.3
140°	730.4	730.4	730.0	729.2	728.4	727.7	726.9
142.5°	756.9	757.1	756.8	756.0	755.3	754.5	753.7
145°	797.1	797.3	797.0	796.3	795.5	794.7	793.9
147.5°	832.5	832.9	832.8	832.1	831.3	830.6	829.8
150°	855.0	855.5	855.5	855.0	854.4	853.8	853.3
152.5°	877.4	878.1	878.1	877.4	876.7	876.0	875.2
155°	905.9	906.9	907.1	906.5	905.9	905.3	904.7
157.5°	932.4	933.7	933.8	933.0	932.0	931.1	930.2
160°	947.7	948.9	949.1	948.3	947.5	946.8	946.0
162.5°	961.9	963.2	963.5	962.5	961.6	960.7	959.8
165°	980.1	981.5	981.6	980.7	979.7	978.8	977.8
167.5°	995.1	996.3	996.5	995.6	994.5	993.6	992.6
170°	1003.3	1004.6	1004.7	1003.6	1002.5	1001.3	1000.1
172.5°	1009.5	1010.8	1010.9	1009.8	1008.7	1007.5	1006.3
175°	1016.2	1017.5	1017.6	1016.5	1015.3	1014.2	1013.1
177.5°	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2

(END OF REPORT)