

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: P331268-927

Luminaire Tested: **SA2XXDIP-C290D925U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331268-927
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-C290D925U927-4F0-1E-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: 3656.3 lumens
Efficiency: N/A
Efficacy: 98.0 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

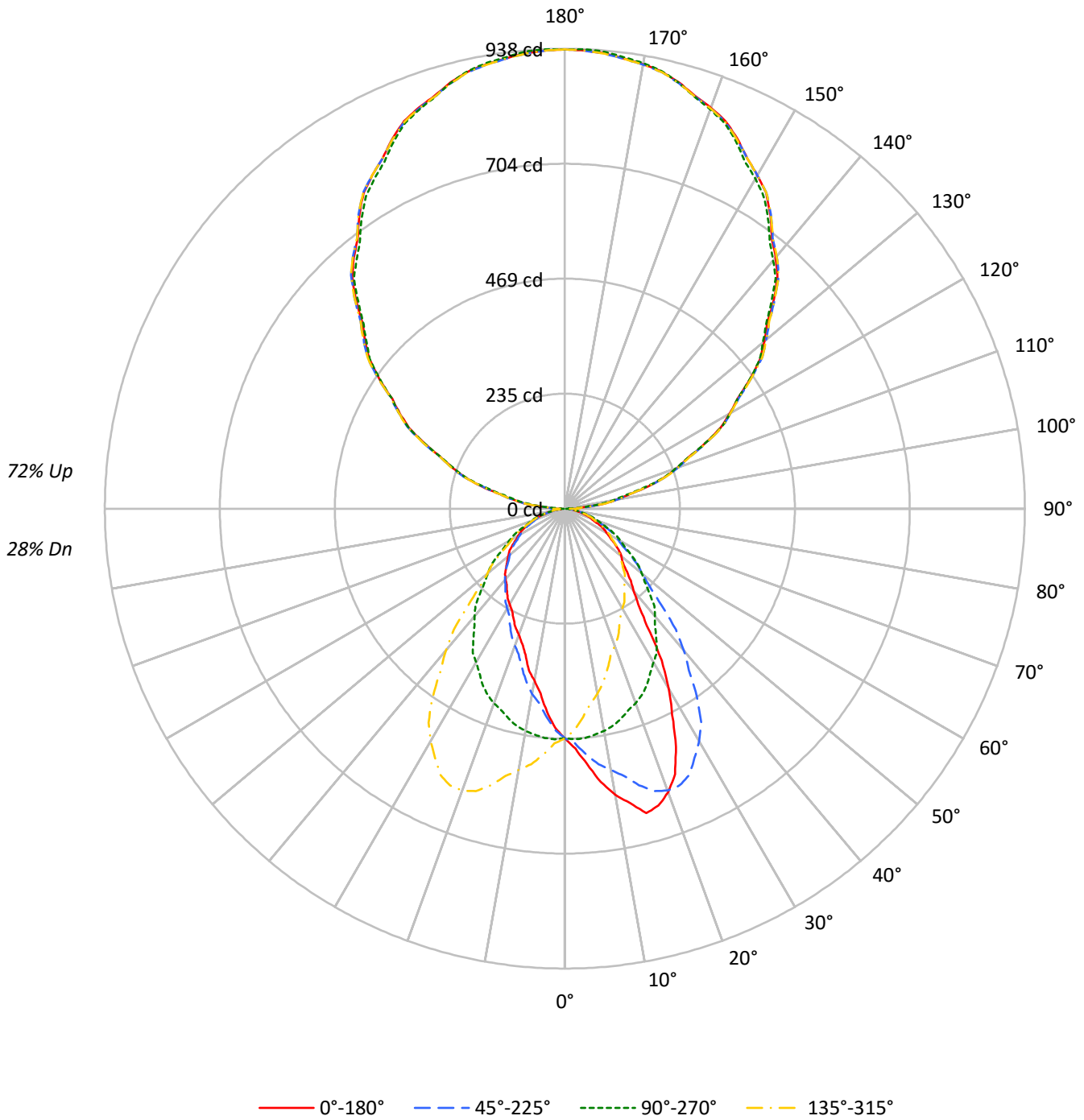
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	7561	7561	7561	7561
5°	8475	7609	6744	7609
10°	9712	7547	5835	7547
15°	10745	7408	5157	7408
20°	10581	7261	4699	7261
25°	9540	7062	4411	7062
30°	7884	6747	4200	6747
35°	5746	6416	4050	6416
40°	4591	6028	3967	6028
45°	4010	5576	3854	5576
50°	3770	5139	3778	5139
55°	3474	4695	3676	4695
60°	3184	4224	3523	4224
65°	2904	3801	3370	3801
70°	2634	3389	3144	3389
75°	2339	2932	2782	2932
80°	2008	2427	2241	2427
85°	1797	1797	1334	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.2
10°-20°	129.6	3.5
20°-30°	188.1	5.1
30°-40°	198.5	5.4
40°-50°	175.8	4.8
50°-60°	140.3	3.8
60°-70°	95.4	2.6
70°-80°	48.9	1.3
80°-90°	15.5	0.4
90°-100°	59.4	1.6
100°-110°	184.4	5.0
110°-120°	315.1	8.6
120°-130°	414.4	11.3
130°-140°	465.2	12.7
140°-150°	456.1	12.5
150°-160°	382.5	10.5
160°-170°	253.7	6.9
170°-180°	88.7	2.4
0°-30°	362.4	9.9
0°-40°	560.9	15.3
0°-60°	877.0	24.0
0°-90°	1036.8	28.4
90°-120°	558.9	15.3
90°-150°	1894.5	51.8
90°-180°	2620.0	71.7
0°-180°	3656.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	468	468	468	468	468	
5°	523	470	416	470	523	52
15°	643	443	308	443	643	177
25°	536	396	248	396	536	242
35°	292	326	206	326	292	190
45°	176	244	169	244	176	138
55°	123	167	131	167	123	111
65°	76	100	88	100	76	76
75°	38	47	45	47	38	40
85°	10	10	7	10	10	11
90°	27	1	27	1	27	12
95°	49	41	49	41	49	55
105°	176	170	176	170	176	185
115°	316	316	316	316	316	312
125°	462	460	462	460	462	412
135°	602	595	602	595	602	464
145°	730	722	730	722	730	456
155°	832	826	832	826	832	383
165°	900	899	900	899	900	254
175°	932	935	932	935	932	89
180°	937	937	937	937	937	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	489.8	490.0	490.3	488.0	487.7	487.7	485.7	483.9	481.9	479.2	479.5
5°	522.9	524.9	525.6	523.5	520.2	519.9	516.8	511.8	507.1	503.4	500.7
7.5°	562.4	563.2	561.5	558.6	556.3	551.9	546.2	540.7	532.8	525.7	520.4
10°	592.4	593.5	590.4	586.3	582.9	577.8	569.6	561.1	550.9	541.0	533.1
12.5°	615.1	617.8	613.9	613.4	607.5	600.6	590.7	586.5	572.0	558.3	549.7
15°	642.8	642.6	643.0	639.5	635.3	634.1	623.8	612.4	592.1	583.9	569.9
17.5°	634.8	637.5	638.8	638.7	638.7	637.9	634.6	627.5	617.3	604.1	588.0
20°	615.8	619.4	620.0	624.1	626.5	629.5	630.7	628.8	622.5	611.5	597.5
22.5°	586.5	587.5	589.1	595.6	600.6	608.3	612.3	619.0	616.6	611.2	599.4
25°	535.5	533.8	540.0	543.3	555.0	567.2	576.1	585.7	594.4	599.6	596.2
27.5°	474.4	471.7	481.2	489.8	499.2	512.5	526.2	542.5	556.0	572.9	578.7
30°	422.9	424.5	433.5	442.7	457.1	475.8	491.3	509.1	528.4	547.2	560.4
32.5°	367.3	373.5	379.2	393.3	406.0	426.8	449.6	471.8	495.8	517.3	537.7
35°	291.5	298.7	306.7	316.9	334.7	355.4	377.6	407.6	440.4	469.7	493.8
37.5°	245.4	244.2	248.7	256.2	270.6	287.3	312.8	342.5	381.0	415.5	449.6
40°	217.8	217.1	220.2	227.1	238.1	250.3	272.7	298.7	334.5	376.7	417.2
42.5°	198.8	199.2	201.0	205.8	213.3	223.4	240.1	262.3	295.1	334.8	378.3
45°	175.6	176.9	178.9	181.3	185.5	193.8	203.2	219.0	244.9	278.1	320.8
47.5°	159.0	159.1	161.1	163.1	165.6	170.3	178.0	187.9	206.2	233.1	270.0
50°	150.1	148.9	150.3	151.9	154.6	157.8	162.9	172.2	184.4	206.2	237.0
52.5°	139.1	139.2	140.5	141.1	143.5	146.7	151.3	157.8	168.9	185.9	211.2
55°	123.4	124.4	125.1	126.1	128.3	130.6	134.3	138.6	147.2	159.9	178.7
57.5°	108.7	109.0	109.7	111.8	113.1	115.3	118.7	122.6	128.3	137.7	151.8
60°	98.6	98.6	100.1	100.9	102.7	104.9	107.6	111.4	116.5	124.1	135.5
62.5°	89.4	89.3	89.8	91.3	92.7	94.7	97.4	100.6	105.4	112.3	121.5
65°	76.0	75.6	76.7	77.0	78.4	80.4	82.6	86.0	89.8	94.8	103.1
67.5°	63.0	63.5	64.0	64.6	65.4	67.6	69.0	71.4	74.6	78.8	84.4
70°	55.8	55.8	55.8	56.3	57.4	58.5	59.9	61.9	65.0	68.5	73.6
72.5°	47.7	48.3	48.9	48.6	49.9	50.5	52.3	53.4	56.3	58.6	63.1
75°	37.5	37.5	37.5	38.3	38.9	39.4	40.5	41.6	43.0	45.9	48.2
77.5°	28.0	27.9	28.0	28.3	28.8	29.5	29.8	30.7	32.1	33.4	35.4
80°	21.6	21.9	22.1	22.5	22.5	22.8	23.1	24.3	25.2	26.1	27.3
82.5°	16.7	16.8	16.8	16.9	17.0	17.3	17.7	18.1	18.5	19.2	20.1
85°	9.7	9.5	9.5	9.9	9.7	9.7	10.1	10.5	10.5	10.6	11.2
87.5°	9.1	9.1	9.2	9.0	9.0	9.1	9.2	9.1	9.3	9.6	9.0
90°	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9	27.3	27.6	23.8
92.5°	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3	25.2	25.1	24.2
95°	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.2
97.5°	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	84.4
100°	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1	109.1	109.1	108.6
102.5°	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3	135.1	135.1	134.4
105°	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6	174.3	173.9	173.6
107.5°	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1	216.9	216.7	216.7
110°	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9	245.9	245.9	245.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7	275.2	275.6	275.8
115°	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0	319.2	319.4	319.7
117.5°	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9	362.3	362.7	363.7
120°	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5	390.5	390.5	392.0
122.5°	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0	420.5	420.9	421.9
125°	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8	464.3	464.9	465.4
127.5°	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3	506.9	507.6	508.2
130°	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3	535.7	536.0	536.4
132.5°	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6	564.4	565.1	565.0
135°	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2	605.4	605.5	605.2
137.5°	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2	645.3	645.4	645.0
140°	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0	672.0	672.0	671.1
142.5°	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3	696.2	696.0	695.4
145°	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2	733.0	732.8	731.8
147.5°	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6	765.2	764.8	764.1
150°	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1	785.5	785.1	784.3
152.5°	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6	806.0	805.3	804.4
155°	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7	831.8	830.8	830.4
157.5°	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7	855.5	854.3	854.0
160°	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9	869.9	868.8	868.6
162.5°	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8	882.6	881.5	881.3
165°	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6	899.3	898.1	898.1
167.5°	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3	913.1	911.8	911.9
170°	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9	920.7	919.4	919.6
172.5°	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6	926.4	925.1	925.3
175°	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7	932.5	931.3	931.6
177.5°	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6	935.7	934.9	935.2
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	480.5	479.3	478.6	476.0	473.7	471.4	470.7	471.0	467.8	464.8	463.5
5°	499.2	495.6	492.2	487.4	481.6	475.2	472.1	469.5	463.2	456.4	452.4
7.5°	515.9	510.8	504.2	495.1	486.7	476.8	470.5	464.9	455.7	446.1	440.1
10°	526.2	519.2	510.7	499.6	489.3	477.2	468.8	460.3	449.6	438.0	430.8
12.5°	535.0	525.5	517.2	502.9	490.8	475.6	465.6	453.7	442.4	428.6	421.6
15°	555.9	538.4	522.6	506.4	491.5	470.4	459.2	443.2	428.3	411.4	403.3
17.5°	572.0	552.4	527.5	506.9	489.5	466.1	449.8	430.6	413.0	393.6	382.6
20°	581.2	558.7	532.0	507.5	486.6	459.9	442.1	422.6	401.9	380.1	368.2
22.5°	586.7	563.1	536.5	505.3	480.9	455.0	432.5	411.0	390.1	366.5	354.1
25°	588.4	566.9	538.8	503.5	473.6	444.3	417.3	396.4	371.1	349.1	331.0
27.5°	579.9	564.4	537.4	500.1	465.3	431.0	400.9	377.3	350.5	326.7	308.4
30°	569.3	560.4	534.1	496.7	458.7	421.8	388.7	361.9	335.3	311.2	292.4
32.5°	553.1	551.2	528.1	491.8	451.6	410.2	375.9	348.8	319.2	295.6	277.7
35°	521.2	529.8	515.2	480.9	438.4	393.6	356.5	325.5	294.9	272.3	255.6
37.5°	478.3	499.8	496.0	464.9	420.4	375.5	334.5	302.2	273.1	250.2	233.8
40°	448.8	476.2	480.1	452.6	407.8	361.6	318.1	286.0	257.5	236.6	220.1
42.5°	417.2	449.1	459.9	437.9	394.0	346.8	303.5	270.1	241.9	221.7	207.0
45°	364.1	406.3	426.0	413.4	370.9	322.7	278.1	244.2	218.6	199.6	188.2
47.5°	314.4	360.6	387.0	382.5	345.2	297.5	253.3	220.9	196.0	180.8	170.6
50°	279.3	326.8	358.6	360.1	326.8	279.5	235.2	204.6	181.7	167.5	159.2
52.5°	248.7	294.1	328.8	336.5	306.2	260.8	219.0	188.5	168.3	155.3	147.9
55°	208.9	247.2	285.7	299.8	275.5	232.3	193.6	166.8	147.9	138.9	132.5
57.5°	173.7	205.7	241.2	256.7	241.8	204.8	168.5	145.2	129.9	122.0	117.0
60°	155.1	180.3	212.0	230.5	217.5	184.7	153.0	130.8	118.2	111.2	106.5
62.5°	137.8	160.2	187.0	203.9	196.9	165.8	137.4	117.9	107.0	100.4	97.0
65°	113.8	131.3	152.1	167.7	163.0	139.5	116.2	99.5	90.9	85.6	82.9
67.5°	93.6	106.4	120.7	134.4	130.7	114.0	95.4	82.3	75.9	71.4	69.7
70°	81.0	90.7	103.5	114.5	111.4	97.8	82.9	71.8	66.2	62.4	60.8
72.5°	68.9	76.8	86.7	95.6	93.6	82.1	69.9	61.5	57.1	53.6	52.4
75°	52.0	58.1	64.1	70.0	69.5	60.7	53.5	47.0	43.6	40.9	40.3
77.5°	38.4	41.8	45.9	49.4	48.4	43.3	37.7	34.0	31.5	29.7	29.4
80°	29.3	31.3	34.2	36.7	35.5	33.3	28.8	26.1	24.3	22.5	21.8
82.5°	21.3	23.2	25.0	26.4	25.3	23.4	20.6	18.8	17.7	16.5	16.2
85°	11.2	12.2	13.0	13.3	13.0	11.7	10.5	9.7	8.8	8.2	8.1
87.5°	8.3	7.5	6.7	6.4	5.6	5.1	4.2	3.3	3.6	3.9	4.0
90°	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1	15.6	17.2	18.7
95°	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1	42.9	44.6	46.3
97.5°	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1	76.7	78.2	79.8
100°	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4	101.8	103.2	104.6
102.5°	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0	128.1	129.2	130.3
105°	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0	170.5	171.0	171.6
107.5°	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3	214.0	214.8	215.6
110°	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1	242.2	243.2	244.3



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5	272.5	273.6	274.6
115°	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2	317.3	318.3	319.4
117.5°	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8	362.2	363.6	365.0
120°	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	392.0	393.3	394.7
122.5°	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7	419.4	421.1	422.8
125°	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1	461.7	463.3	464.9
127.5°	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4	503.4	505.4	507.4
130°	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3	529.6	531.9	534.2
132.5°	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4	558.3	560.2	562.0
135°	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3	597.2	599.1	601.1
137.5°	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3	637.8	639.4	641.0
140°	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9	662.5	664.1	665.7
142.5°	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2	687.8	689.4	690.9
145°	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5	723.8	725.0	726.3
147.5°	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9	756.5	758.0	759.4
150°	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1	778.2	779.2	780.3
152.5°	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7	797.8	798.8	799.9
155°	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2	826.6	827.2	827.8
157.5°	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3	851.6	852.0	852.3
160°	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5	866.8	867.1	867.5
162.5°	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4	880.4	880.5	880.6
165°	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9	898.7	898.5	898.3
167.5°	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3	913.9	913.3	912.8
170°	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6	922.0	921.5	921.0
172.5°	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3	927.7	927.2	926.7
175°	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3	934.7	934.1	933.7
177.5°	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1	937.6	937.2	936.8
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	462.1	461.2	458.2	456.6	454.0	451.5	450.0	450.7	451.2	451.0	450.5
5°	448.8	445.4	440.1	435.7	432.5	426.5	424.0	422.7	421.6	420.4	419.1
7.5°	433.0	427.6	420.2	413.8	407.7	400.3	396.1	393.6	391.0	388.2	385.6
10°	421.8	414.2	406.3	397.4	390.1	383.5	377.6	373.6	369.9	366.5	364.1
12.5°	410.0	401.3	391.5	379.2	371.3	361.7	360.8	353.9	348.2	346.1	343.2
15°	391.3	379.0	366.5	352.0	345.7	337.1	331.7	326.2	321.4	318.0	317.1
17.5°	369.9	354.0	341.7	331.2	320.9	312.0	307.0	302.8	298.7	294.2	293.6
20°	353.6	339.9	326.5	317.3	306.7	297.6	291.5	287.2	283.8	281.1	278.8
22.5°	338.2	323.2	310.9	300.9	290.4	283.1	278.3	274.1	271.2	268.3	266.1
25°	313.5	301.8	288.3	276.9	268.3	263.6	259.7	256.1	254.3	252.3	249.8
27.5°	291.8	278.8	266.3	257.5	249.9	245.7	242.9	240.4	238.8	237.6	236.1
30°	276.6	263.5	253.6	244.9	238.6	234.5	232.7	231.2	229.3	228.5	227.8
32.5°	261.9	250.1	241.6	234.1	228.1	225.4	223.8	222.4	220.9	220.2	218.7
35°	241.1	231.2	223.0	218.8	214.0	211.6	210.4	208.6	207.2	206.4	206.2
37.5°	221.6	213.0	207.6	202.2	200.2	198.8	197.0	195.8	195.4	195.3	195.0
40°	208.9	201.9	197.0	192.7	191.9	189.6	188.2	187.2	187.2	187.4	187.2
42.5°	197.4	191.1	186.8	183.1	182.0	180.8	179.3	179.3	179.5	180.1	179.5
45°	180.0	175.5	172.4	170.6	168.7	167.4	167.2	167.7	167.9	168.1	168.7
47.5°	163.9	160.9	158.1	156.1	155.3	155.1	154.9	155.8	156.7	157.0	157.8
50°	154.4	151.0	148.6	147.3	146.6	146.3	146.6	147.7	148.5	149.3	149.9
52.5°	143.8	141.3	139.7	138.7	138.5	138.7	138.7	140.0	141.1	141.5	141.7
55°	129.0	127.2	126.9	125.2	126.0	125.8	126.7	127.4	128.5	129.6	129.8
57.5°	114.3	112.9	111.9	112.1	112.3	113.1	113.8	115.1	116.2	117.4	117.5
60°	104.6	103.9	103.3	103.3	103.6	104.7	105.6	106.9	107.6	108.4	108.8
62.5°	95.6	94.9	94.3	94.7	95.6	96.3	97.3	98.0	98.7	99.4	99.7
65°	81.5	81.2	81.7	82.1	82.2	83.1	84.4	84.9	85.6	86.0	87.3
67.5°	68.5	68.6	68.5	69.0	70.1	70.3	71.5	72.7	72.9	73.6	74.4
70°	59.7	60.1	60.4	60.8	61.7	62.1	63.0	63.5	64.2	64.8	65.4
72.5°	51.7	51.7	52.1	52.0	52.8	53.6	54.3	54.9	55.6	56.3	56.8
75°	39.8	39.8	40.2	40.3	41.2	42.1	41.9	42.3	43.0	43.7	44.1
77.5°	29.1	28.7	29.1	29.2	29.5	30.3	30.4	30.9	31.8	31.5	31.9
80°	22.1	21.6	22.1	22.3	22.3	23.2	23.2	23.6	24.1	23.6	24.1
82.5°	15.8	15.5	15.9	16.0	16.2	16.3	16.6	16.6	17.2	17.0	17.2
85°	7.9	7.8	7.9	7.8	7.9	8.1	8.1	7.9	7.9	8.2	7.8
87.5°	4.3	4.8	5.4	6.2	6.8	7.4	7.2	7.1	7.1	6.7	6.7
90°	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9	26.6	26.3	26.1
92.5°	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3	25.3	25.4	25.5
95°	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6	50.6	50.6	50.4
97.5°	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1
100°	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1	109.1	109.1	109.0
102.5°	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3	135.5	135.6	135.5
105°	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6	175.0	175.3	175.5
107.5°	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1	217.2	217.3	217.0
110°	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7	274.3	273.9	273.5
115°	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0	318.9	318.7	318.3
117.5°	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9	361.5	361.0	360.5
120°	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5	390.5	390.5	390.3
122.5°	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0	419.6	419.2	418.8
125°	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8	463.3	462.7	462.4
127.5°	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3	505.6	505.0	504.4
130°	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3	535.0	534.6	534.1
132.5°	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6	562.8	562.0	561.3
135°	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2	605.1	604.8	604.5
137.5°	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2	645.0	644.8	644.4
140°	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0	672.0	672.0	671.6
142.5°	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3	696.4	696.6	696.3
145°	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2	733.4	733.6	733.3
147.5°	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6	766.0	766.4	766.2
150°	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1	786.6	787.1	787.1
152.5°	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6	807.2	807.9	807.9
155°	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7	833.5	834.4	834.6
157.5°	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7	857.9	859.0	859.2
160°	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9	872.0	873.1	873.2
162.5°	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8	885.0	886.2	886.5
165°	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6	901.7	903.0	903.2
167.5°	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3	915.5	916.7	916.9
170°	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9	923.1	924.3	924.4
172.5°	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6	928.8	930.0	930.1
175°	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7	934.9	936.2	936.3
177.5°	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6	937.5	938.3	938.3
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	449.1	448.8	448.8	447.5	448.8	448.8	449.1	450.5	451.0	451.2	450.7
5°	416.6	416.1	415.2	416.1	415.2	416.1	416.6	419.1	420.4	421.6	422.7
7.5°	384.4	382.3	382.0	379.9	382.0	382.3	384.4	385.6	388.2	391.0	393.6
10°	361.0	359.6	359.3	355.9	359.3	359.6	361.0	364.1	366.5	369.9	373.6
12.5°	343.2	339.7	340.4	338.4	340.4	339.7	343.2	343.2	346.1	348.2	353.9
15°	312.2	312.2	311.5	308.5	311.5	312.2	312.2	317.1	318.0	321.4	326.2
17.5°	290.0	289.6	288.0	288.8	288.0	289.6	290.0	293.6	294.2	298.7	302.8
20°	276.8	275.7	273.5	273.5	273.5	275.7	276.8	278.8	281.1	283.8	287.2
22.5°	264.3	264.2	261.9	262.6	261.9	264.2	264.3	266.1	268.3	271.2	274.1
25°	249.6	248.2	247.1	247.6	247.1	248.2	249.6	249.8	252.3	254.3	256.1
27.5°	235.7	234.9	234.8	233.4	234.8	234.9	235.7	236.1	237.6	238.8	240.4
30°	227.7	225.9	226.2	225.3	226.2	225.9	227.7	227.8	228.5	229.3	231.2
32.5°	218.4	217.8	217.5	216.7	217.5	217.8	218.4	218.7	220.2	220.9	222.4
35°	205.9	206.0	205.2	205.5	205.2	206.0	205.9	206.2	206.4	207.2	208.6
37.5°	194.9	195.4	195.0	195.1	195.0	195.4	194.9	195.0	195.3	195.4	195.8
40°	187.7	187.7	187.7	188.2	187.7	187.7	187.7	187.2	187.4	187.2	187.2
42.5°	180.8	180.5	180.2	180.1	180.2	180.5	180.8	179.5	180.1	179.5	179.3
45°	169.0	169.5	169.7	168.8	169.7	169.5	169.0	168.7	168.1	167.9	167.7
47.5°	158.3	158.4	158.3	159.1	158.3	158.4	158.3	157.8	157.0	156.7	155.8
50°	150.8	150.4	150.8	150.4	150.8	150.4	150.8	149.9	149.3	148.5	147.7
52.5°	142.9	143.0	142.8	142.7	142.8	143.0	142.9	141.7	141.5	141.1	140.0
55°	130.5	130.8	130.6	130.6	130.6	130.8	130.5	129.8	129.6	128.5	127.4
57.5°	117.6	118.0	118.2	117.4	118.2	118.0	117.6	117.5	117.4	116.2	115.1
60°	108.7	109.6	109.4	109.1	109.4	109.6	108.7	108.8	108.4	107.6	106.9
62.5°	100.4	100.8	100.8	100.7	100.8	100.8	100.4	99.7	99.4	98.7	98.0
65°	87.9	88.2	87.6	88.2	87.6	88.2	87.9	87.3	86.0	85.6	84.9
67.5°	74.1	74.3	74.7	74.9	74.7	74.3	74.1	74.4	73.6	72.9	72.7
70°	65.7	65.5	66.1	66.6	66.1	65.5	65.7	65.4	64.8	64.2	63.5
72.5°	56.7	57.1	57.0	57.4	57.0	57.1	56.7	56.8	56.3	55.6	54.9
75°	43.7	44.3	44.1	44.6	44.1	44.3	43.7	44.1	43.7	43.0	42.3
77.5°	31.6	31.7	31.6	31.9	31.6	31.7	31.6	31.9	31.5	31.8	30.9
80°	24.1	23.8	23.4	24.1	23.4	23.8	24.1	24.1	23.6	24.1	23.6
82.5°	16.8	17.0	16.6	16.6	16.6	17.0	16.8	17.2	17.0	17.2	16.6
85°	7.8	7.5	7.2	7.2	7.2	7.5	7.8	7.8	8.2	7.9	7.9
87.5°	6.7	6.6	6.7	6.5	6.7	6.6	6.7	6.7	6.7	7.1	7.1
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9
92.5°	25.5	25.5	25.6	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3
95°	50.1	49.7	49.4	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6
97.5°	85.0	85.0	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1
100°	108.8	108.7	108.4	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1
102.5°	135.4	135.2	135.1	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3
105°	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6
107.5°	216.2	215.4	214.6	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1
110°	245.1	244.5	244.0	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	273.1	272.7	272.4	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7
115°	317.8	317.3	316.7	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0
117.5°	360.0	359.5	358.9	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9
120°	389.8	389.2	388.7	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5
122.5°	418.4	418.0	417.6	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0
125°	462.2	462.0	461.8	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8
127.5°	503.8	503.3	502.7	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3
130°	533.4	532.7	532.0	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3
132.5°	560.8	560.2	559.7	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6
135°	604.0	603.5	602.9	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2
137.5°	643.7	643.0	642.3	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2
140°	670.9	670.2	669.6	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0
142.5°	695.6	694.9	694.2	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3
145°	732.6	731.9	731.2	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2
147.5°	765.6	764.9	764.2	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6
150°	786.6	786.1	785.5	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1
152.5°	807.2	806.6	806.0	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6
155°	834.0	833.5	833.0	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7
157.5°	858.4	857.5	856.7	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7
160°	872.5	871.8	871.1	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9
162.5°	885.6	884.7	883.9	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8
165°	902.3	901.4	900.6	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6
167.5°	916.0	915.0	914.2	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3
170°	923.4	922.3	921.2	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9
172.5°	929.1	928.0	926.9	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6
175°	935.3	934.1	933.1	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7
177.5°	937.5	936.6	935.7	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	450.0	451.5	454.0	456.6	458.2	461.2	462.1	463.5	464.8	467.8	471.0
5°	424.0	426.5	432.5	435.7	440.1	445.4	448.8	452.4	456.4	463.2	469.5
7.5°	396.1	400.3	407.7	413.8	420.2	427.6	433.0	440.1	446.1	455.7	464.9
10°	377.6	383.5	390.1	397.4	406.3	414.2	421.8	430.8	438.0	449.6	460.3
12.5°	360.8	361.7	371.3	379.2	391.5	401.3	410.0	421.6	428.6	442.4	453.7
15°	331.7	337.1	345.7	352.0	366.5	379.0	391.3	403.3	411.4	428.3	443.2
17.5°	307.0	312.0	320.9	331.2	341.7	354.0	369.9	382.6	393.6	413.0	430.6
20°	291.5	297.6	306.7	317.3	326.5	339.9	353.6	368.2	380.1	401.9	422.6
22.5°	278.3	283.1	290.4	300.9	310.9	323.2	338.2	354.1	366.5	390.1	411.0
25°	259.7	263.6	268.3	276.9	288.3	301.8	313.5	331.0	349.1	371.1	396.4
27.5°	242.9	245.7	249.9	257.5	266.3	278.8	291.8	308.4	326.7	350.5	377.3
30°	232.7	234.5	238.6	244.9	253.6	263.5	276.6	292.4	311.2	335.3	361.9
32.5°	223.8	225.4	228.1	234.1	241.6	250.1	261.9	277.7	295.6	319.2	348.8
35°	210.4	211.6	214.0	218.8	223.0	231.2	241.1	255.6	272.3	294.9	325.5
37.5°	197.0	198.8	200.2	202.2	207.6	213.0	221.6	233.8	250.2	273.1	302.2
40°	188.2	189.6	191.9	192.7	197.0	201.9	208.9	220.1	236.6	257.5	286.0
42.5°	179.3	180.8	182.0	183.1	186.8	191.1	197.4	207.0	221.7	241.9	270.1
45°	167.2	167.4	168.7	170.6	172.4	175.5	180.0	188.2	199.6	218.6	244.2
47.5°	154.9	155.1	155.3	156.1	158.1	160.9	163.9	170.6	180.8	196.0	220.9
50°	146.6	146.3	146.6	147.3	148.6	151.0	154.4	159.2	167.5	181.7	204.6
52.5°	138.7	138.7	138.5	138.7	139.7	141.3	143.8	147.9	155.3	168.3	188.5
55°	126.7	125.8	126.0	125.2	126.9	127.2	129.0	132.5	138.9	147.9	166.8
57.5°	113.8	113.1	112.3	112.1	111.9	112.9	114.3	117.0	122.0	129.9	145.2
60°	105.6	104.7	103.6	103.3	103.3	103.9	104.6	106.5	111.2	118.2	130.8
62.5°	97.3	96.3	95.6	94.7	94.3	94.9	95.6	97.0	100.4	107.0	117.9
65°	84.4	83.1	82.2	82.1	81.7	81.2	81.5	82.9	85.6	90.9	99.5
67.5°	71.5	70.3	70.1	69.0	68.5	68.6	68.5	69.7	71.4	75.9	82.3
70°	63.0	62.1	61.7	60.8	60.4	60.1	59.7	60.8	62.4	66.2	71.8
72.5°	54.3	53.6	52.8	52.0	52.1	51.7	51.7	52.4	53.6	57.1	61.5
75°	41.9	42.1	41.2	40.3	40.2	39.8	39.8	40.3	40.9	43.6	47.0
77.5°	30.4	30.3	29.5	29.2	29.1	28.7	29.1	29.4	29.7	31.5	34.0
80°	23.2	23.2	22.3	22.3	22.1	21.6	22.1	21.8	22.5	24.3	26.1
82.5°	16.6	16.3	16.2	16.0	15.9	15.5	15.8	16.2	16.5	17.7	18.8
85°	8.1	8.1	7.9	7.8	7.9	7.8	7.9	8.1	8.2	8.8	9.7
87.5°	7.2	7.4	6.8	6.2	5.4	4.8	4.3	4.0	3.9	3.6	3.3
90°	27.3	27.6	23.8	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.2	25.1	24.2	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1
95°	50.6	50.6	50.2	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1
97.5°	85.1	85.1	84.4	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1
100°	109.1	109.1	108.6	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4
102.5°	135.1	135.1	134.4	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0
105°	174.3	173.9	173.6	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0
107.5°	216.9	216.7	216.7	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3
110°	245.9	245.9	245.9	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	275.2	275.6	275.8	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5
115°	319.2	319.4	319.7	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2
117.5°	362.3	362.7	363.7	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8
120°	390.5	390.5	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5
122.5°	420.5	420.9	421.9	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7
125°	464.3	464.9	465.4	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1
127.5°	506.9	507.6	508.2	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4
130°	535.7	536.0	536.4	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3
132.5°	564.4	565.1	565.0	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4
135°	605.4	605.5	605.2	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3
137.5°	645.3	645.4	645.0	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3
140°	672.0	672.0	671.1	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9
142.5°	696.2	696.0	695.4	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2
145°	733.0	732.8	731.8	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5
147.5°	765.2	764.8	764.1	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9
150°	785.5	785.1	784.3	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1
152.5°	806.0	805.3	804.4	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7
155°	831.8	830.8	830.4	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2
157.5°	855.5	854.3	854.0	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3
160°	869.9	868.8	868.6	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5
162.5°	882.6	881.5	881.3	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4
165°	899.3	898.1	898.1	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9
167.5°	913.1	911.8	911.9	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3
170°	920.7	919.4	919.6	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6
172.5°	926.4	925.1	925.3	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3
175°	932.5	931.3	931.6	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3
177.5°	935.7	934.9	935.2	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	470.7	471.4	473.7	476.0	478.6	479.3	480.5	479.5	479.2	481.9	483.9
5°	472.1	475.2	481.6	487.4	492.2	495.6	499.2	500.7	503.4	507.1	511.8
7.5°	470.5	476.8	486.7	495.1	504.2	510.8	515.9	520.4	525.7	532.8	540.7
10°	468.8	477.2	489.3	499.6	510.7	519.2	526.2	533.1	541.0	550.9	561.1
12.5°	465.6	475.6	490.8	502.9	517.2	525.5	535.0	549.7	558.3	572.0	586.5
15°	459.2	470.4	491.5	506.4	522.6	538.4	555.9	569.9	583.9	592.1	612.4
17.5°	449.8	466.1	489.5	506.9	527.5	552.4	572.0	588.0	604.1	617.3	627.5
20°	442.1	459.9	486.6	507.5	532.0	558.7	581.2	597.5	611.5	622.5	628.8
22.5°	432.5	455.0	480.9	505.3	536.5	563.1	586.7	599.4	611.2	616.6	619.0
25°	417.3	444.3	473.6	503.5	538.8	566.9	588.4	596.2	599.6	594.4	585.7
27.5°	400.9	431.0	465.3	500.1	537.4	564.4	579.9	578.7	572.9	556.0	542.5
30°	388.7	421.8	458.7	496.7	534.1	560.4	569.3	560.4	547.2	528.4	509.1
32.5°	375.9	410.2	451.6	491.8	528.1	551.2	553.1	537.7	517.3	495.8	471.8
35°	356.5	393.6	438.4	480.9	515.2	529.8	521.2	493.8	469.7	440.4	407.6
37.5°	334.5	375.5	420.4	464.9	496.0	499.8	478.3	449.6	415.5	381.0	342.5
40°	318.1	361.6	407.8	452.6	480.1	476.2	448.8	417.2	376.7	334.5	298.7
42.5°	303.5	346.8	394.0	437.9	459.9	449.1	417.2	378.3	334.8	295.1	262.3
45°	278.1	322.7	370.9	413.4	426.0	406.3	364.1	320.8	278.1	244.9	219.0
47.5°	253.3	297.5	345.2	382.5	387.0	360.6	314.4	270.0	233.1	206.2	187.9
50°	235.2	279.5	326.8	360.1	358.6	326.8	279.3	237.0	206.2	184.4	172.2
52.5°	219.0	260.8	306.2	336.5	328.8	294.1	248.7	211.2	185.9	168.9	157.8
55°	193.6	232.3	275.5	299.8	285.7	247.2	208.9	178.7	159.9	147.2	138.6
57.5°	168.5	204.8	241.8	256.7	241.2	205.7	173.7	151.8	137.7	128.3	122.6
60°	153.0	184.7	217.5	230.5	212.0	180.3	155.1	135.5	124.1	116.5	111.4
62.5°	137.4	165.8	196.9	203.9	187.0	160.2	137.8	121.5	112.3	105.4	100.6
65°	116.2	139.5	163.0	167.7	152.1	131.3	113.8	103.1	94.8	89.8	86.0
67.5°	95.4	114.0	130.7	134.4	120.7	106.4	93.6	84.4	78.8	74.6	71.4
70°	82.9	97.8	111.4	114.5	103.5	90.7	81.0	73.6	68.5	65.0	61.9
72.5°	69.9	82.1	93.6	95.6	86.7	76.8	68.9	63.1	58.6	56.3	53.4
75°	53.5	60.7	69.5	70.0	64.1	58.1	52.0	48.2	45.9	43.0	41.6
77.5°	37.7	43.3	48.4	49.4	45.9	41.8	38.4	35.4	33.4	32.1	30.7
80°	28.8	33.3	35.5	36.7	34.2	31.3	29.3	27.3	26.1	25.2	24.3
82.5°	20.6	23.4	25.3	26.4	25.0	23.2	21.3	20.1	19.2	18.5	18.1
85°	10.5	11.7	13.0	13.3	13.0	12.2	11.2	11.2	10.6	10.5	10.5
87.5°	4.2	5.1	5.6	6.4	6.7	7.5	8.3	9.0	9.6	9.3	9.1
90°	2.9	5.0	7.1	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9
92.5°	15.6	17.2	18.7	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3
95°	42.9	44.6	46.3	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6
97.5°	76.7	78.2	79.8	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1
100°	101.8	103.2	104.6	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1
102.5°	128.1	129.2	130.3	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3
105°	170.5	171.0	171.6	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6
107.5°	214.0	214.8	215.6	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1
110°	242.2	243.2	244.3	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9



TEST NUMBER: P331268-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.5	273.6	274.6	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7
115°	317.3	318.3	319.4	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0
117.5°	362.2	363.6	365.0	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9
120°	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5
122.5°	419.4	421.1	422.8	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0
125°	461.7	463.3	464.9	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8
127.5°	503.4	505.4	507.4	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3
130°	529.6	531.9	534.2	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3
132.5°	558.3	560.2	562.0	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6
135°	597.2	599.1	601.1	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2
137.5°	637.8	639.4	641.0	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2
140°	662.5	664.1	665.7	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0
142.5°	687.8	689.4	690.9	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3
145°	723.8	725.0	726.3	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2
147.5°	756.5	758.0	759.4	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6
150°	778.2	779.2	780.3	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1
152.5°	797.8	798.8	799.9	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6
155°	826.6	827.2	827.8	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7
157.5°	851.6	852.0	852.3	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7
160°	866.8	867.1	867.5	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9
162.5°	880.4	880.5	880.6	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8
165°	898.7	898.5	898.3	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6
167.5°	913.9	913.3	912.8	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3
170°	922.0	921.5	921.0	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9
172.5°	927.7	927.2	926.7	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6
175°	934.7	934.1	933.7	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7
177.5°	937.6	937.2	936.8	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	485.7	487.7	487.7	488.0	490.3	490.0	489.8
5°	516.8	519.9	520.2	523.5	525.6	524.9	522.9
7.5°	546.2	551.9	556.3	558.6	561.5	563.2	562.4
10°	569.6	577.8	582.9	586.3	590.4	593.5	592.4
12.5°	590.7	600.6	607.5	613.4	613.9	617.8	615.1
15°	623.8	634.1	635.3	639.5	643.0	642.6	642.8
17.5°	634.6	637.9	638.7	638.7	638.8	637.5	634.8
20°	630.7	629.5	626.5	624.1	620.0	619.4	615.8
22.5°	612.3	608.3	600.6	595.6	589.1	587.5	586.5
25°	576.1	567.2	555.0	543.3	540.0	533.8	535.5
27.5°	526.2	512.5	499.2	489.8	481.2	471.7	474.4
30°	491.3	475.8	457.1	442.7	433.5	424.5	422.9
32.5°	449.6	426.8	406.0	393.3	379.2	373.5	367.3
35°	377.6	355.4	334.7	316.9	306.7	298.7	291.5
37.5°	312.8	287.3	270.6	256.2	248.7	244.2	245.4
40°	272.7	250.3	238.1	227.1	220.2	217.1	217.8
42.5°	240.1	223.4	213.3	205.8	201.0	199.2	198.8
45°	203.2	193.8	185.5	181.3	178.9	176.9	175.6
47.5°	178.0	170.3	165.6	163.1	161.1	159.1	159.0
50°	162.9	157.8	154.6	151.9	150.3	148.9	150.1
52.5°	151.3	146.7	143.5	141.1	140.5	139.2	139.1
55°	134.3	130.6	128.3	126.1	125.1	124.4	123.4
57.5°	118.7	115.3	113.1	111.8	109.7	109.0	108.7
60°	107.6	104.9	102.7	100.9	100.1	98.6	98.6
62.5°	97.4	94.7	92.7	91.3	89.8	89.3	89.4
65°	82.6	80.4	78.4	77.0	76.7	75.6	76.0
67.5°	69.0	67.6	65.4	64.6	64.0	63.5	63.0
70°	59.9	58.5	57.4	56.3	55.8	55.8	55.8
72.5°	52.3	50.5	49.9	48.6	48.9	48.3	47.7
75°	40.5	39.4	38.9	38.3	37.5	37.5	37.5
77.5°	29.8	29.5	28.8	28.3	28.0	27.9	28.0
80°	23.1	22.8	22.5	22.5	22.1	21.9	21.6
82.5°	17.7	17.3	17.0	16.9	16.8	16.8	16.7
85°	10.1	9.7	9.7	9.9	9.5	9.5	9.7
87.5°	9.2	9.1	9.0	9.0	9.2	9.1	9.1
90°	26.6	26.3	26.1	26.4	26.5	26.7	26.9
92.5°	25.3	25.4	25.5	25.5	25.5	25.6	25.6
95°	50.6	50.6	50.4	50.1	49.7	49.4	49.0
97.5°	85.1	85.1	85.1	85.0	85.0	84.9	84.9
100°	109.1	109.1	109.0	108.8	108.7	108.4	108.3
102.5°	135.5	135.6	135.5	135.4	135.2	135.1	134.9
105°	175.0	175.3	175.5	175.5	175.5	175.5	175.5
107.5°	217.2	217.3	217.0	216.2	215.4	214.6	213.7
110°	245.9	245.9	245.6	245.1	244.5	244.0	243.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	274.3	273.9	273.5	273.1	272.7	272.4	272.0
115°	318.9	318.7	318.3	317.8	317.3	316.7	316.2
117.5°	361.5	361.0	360.5	360.0	359.5	358.9	358.5
120°	390.5	390.5	390.3	389.8	389.2	388.7	388.2
122.5°	419.6	419.2	418.8	418.4	418.0	417.6	417.2
125°	463.3	462.7	462.4	462.2	462.0	461.8	461.7
127.5°	505.6	505.0	504.4	503.8	503.3	502.7	502.2
130°	535.0	534.6	534.1	533.4	532.7	532.0	531.2
132.5°	562.8	562.0	561.3	560.8	560.2	559.7	559.1
135°	605.1	604.8	604.5	604.0	603.5	602.9	602.4
137.5°	645.0	644.8	644.4	643.7	643.0	642.3	641.6
140°	672.0	672.0	671.6	670.9	670.2	669.6	668.8
142.5°	696.4	696.6	696.3	695.6	694.9	694.2	693.5
145°	733.4	733.6	733.3	732.6	731.9	731.2	730.5
147.5°	766.0	766.4	766.2	765.6	764.9	764.2	763.5
150°	786.6	787.1	787.1	786.6	786.1	785.5	785.1
152.5°	807.2	807.9	807.9	807.2	806.6	806.0	805.3
155°	833.5	834.4	834.6	834.0	833.5	833.0	832.4
157.5°	857.9	859.0	859.2	858.4	857.5	856.7	855.9
160°	872.0	873.1	873.2	872.5	871.8	871.1	870.4
162.5°	885.0	886.2	886.5	885.6	884.7	883.9	883.0
165°	901.7	903.0	903.2	902.3	901.4	900.6	899.7
167.5°	915.5	916.7	916.9	916.0	915.0	914.2	913.2
170°	923.1	924.3	924.4	923.4	922.3	921.2	920.2
172.5°	928.8	930.0	930.1	929.1	928.0	926.9	925.9
175°	934.9	936.2	936.3	935.3	934.1	933.1	932.1
177.5°	937.5	938.3	938.3	937.5	936.6	935.7	934.9
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8

(END OF REPORT)