

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: P331259-927

Luminaire Tested: **SA2XXDIP-C290D725U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331259-927
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-C290D725U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3087.7 lumens
Efficiency: N/A
Efficacy: 99.0 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

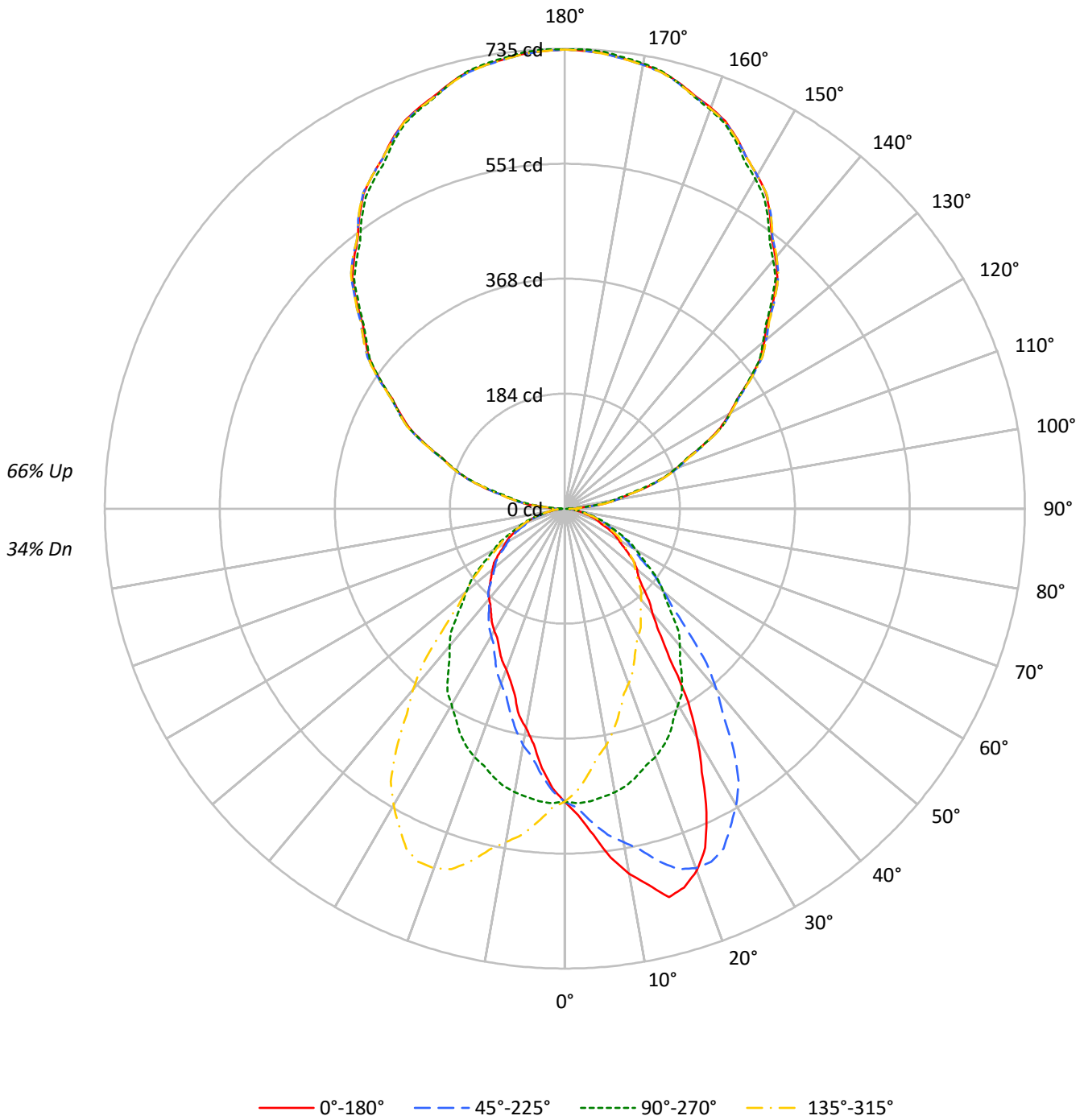
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34				
1	94	90	87	83	85	82	79	76	65	63	61	50	49	48	37	36	35	29				
2	86	79	73	68	78	72	67	63	58	54	51	45	42	40	33	31	30	25				
3	79	70	63	57	71	63	57	53	51	47	43	40	37	35	29	27	26	21				
4	72	62	54	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19				
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16				
6	61	50	42	36	55	45	38	34	37	32	28	29	26	23	22	19	18	15				
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	18	16	13				
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14	12				
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11				
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10				

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	1.4
10°-20°	129.6	4.2
20°-30°	188.1	6.1
30°-40°	198.5	6.4
40°-50°	175.8	5.7
50°-60°	140.3	4.5
60°-70°	95.4	3.1
70°-80°	48.9	1.6
80°-90°	14.7	0.5
90°-100°	46.5	1.5
100°-110°	144.4	4.7
110°-120°	246.8	8.0
120°-130°	324.6	10.5
130°-140°	364.3	11.8
140°-150°	357.2	11.6
150°-160°	299.6	9.7
160°-170°	198.7	6.4
170°-180°	69.5	2.2
0°-30°	362.4	11.7
0°-40°	560.9	18.2
0°-60°	877.0	28.4
0°-90°	1036.0	33.6
90°-120°	437.7	14.2
90°-150°	1483.9	48.1
90°-180°	2052.0	66.5
0°-180°	3087.7	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°	21	1	21	1	21	10
95°	38	32	38	32	38	43
105°	137	133	137	133	137	145
115°	248	248	248	248	248	245
125°	362	360	362	360	362	322
135°	472	466	472	466	472	363
145°	572	566	572	566	572	357
155°	652	647	652	647	652	300
165°	705	704	705	704	705	199
175°	730	732	730	732	730	69
180°	734	734	734	734	734	



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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°	7.9	7.9	8.1	7.8	7.8	8.0	8.1	8.0	8.2	8.4	7.9
90°	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2	21.4	21.7	18.6
92.5°	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8	19.7	19.7	19.0
95°	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6	39.6	39.6	39.4
97.5°	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.1
100°	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.0
102.5°	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0	105.8	105.8	105.2
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8	136.5	136.3	135.9
107.5°	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0	169.9	169.8	169.8
110°	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6	192.6	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2	215.6	215.9	215.9
115°	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9	250.0	250.2	250.4
117.5°	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4	283.8	284.1	284.9
120°	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9	305.9	305.9	307.0
122.5°	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0	329.3	329.6	330.4
125°	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3	363.7	364.1	364.5
127.5°	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6	397.0	397.5	398.0
130°	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3	419.5	419.9	420.1
132.5°	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4	442.0	442.6	442.5
135°	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0	474.2	474.3	474.0
137.5°	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3	505.4	505.5	505.2
140°	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3	526.3	526.3	525.6
142.5°	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3	545.3	545.2	544.7
145°	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3	574.2	574.0	573.1
147.5°	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6	599.3	599.0	598.5
150°	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7	615.3	614.9	614.3
152.5°	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8	631.2	630.7	630.0
155°	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1	651.5	650.8	650.4
157.5°	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0	670.0	669.1	668.8
160°	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1	681.4	680.5	680.4
162.5°	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3	691.3	690.4	690.3
165°	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4	704.4	703.4	703.4
167.5°	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1	715.2	714.2	714.2
170°	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1	721.1	720.1	720.3
172.5°	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5	725.6	724.6	724.8
175°	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3	730.4	729.4	729.7
177.5°	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6	732.9	732.3	732.5
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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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°	7.4	6.8	6.3	6.0	5.3	5.0	4.0	3.3	3.5	3.6	3.7
90°	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6	2.3	4.0	5.5
92.5°	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0	12.2	13.5	14.7
95°	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2	33.6	34.9	36.4
97.5°	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9	60.0	61.2	62.4
100°	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7	79.8	80.8	81.9
102.5°	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4	100.3	101.2	102.1
105°	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2	133.6	134.0	134.4
107.5°	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1	167.7	168.3	168.9
110°	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9	189.6	190.5	191.3



TEST NUMBER: P331259-927

CATALOG NUMBER: SA2XXDIP-C290D725U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6	213.5	214.3	215.1
115°	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7	248.5	249.3	250.2
117.5°	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6	283.7	284.8	285.9
120°	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	307.0	308.1	309.2
122.5°	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2	328.5	329.9	331.1
125°	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4	361.6	362.8	364.1
127.5°	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7	394.3	395.9	397.4
130°	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0	414.8	416.6	418.4
132.5°	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8	437.3	438.7	440.1
135°	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3	467.8	469.3	470.8
137.5°	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4	499.6	500.8	502.1
140°	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7	518.9	520.1	521.3
142.5°	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5	538.7	540.0	541.2
145°	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9	566.9	567.9	568.9
147.5°	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4	592.5	593.7	594.8
150°	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7	609.5	610.3	611.2
152.5°	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0	624.9	625.7	626.5
155°	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1	647.5	647.9	648.3
157.5°	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8	667.0	667.3	667.6
160°	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7	678.9	679.2	679.5
162.5°	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5	689.6	689.7	689.7
165°	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0	703.9	703.8	703.6
167.5°	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1	715.7	715.3	714.9
170°	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6	722.2	721.8	721.4
172.5°	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1	726.7	726.3	725.8
175°	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5	732.1	731.7	731.3
177.5°	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7	734.4	734.1	733.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331259-927

CATALOG NUMBER: SA2XXDIP-C290D725U927-4F0-1E-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°	3.9	4.2	4.7	5.3	5.8	6.2	6.0	5.9	5.9	5.5	5.5
90°	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2	20.8	20.6	20.5
92.5°	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8	19.9	19.9	20.0
95°	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.5
97.5°	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6	66.6	66.6	66.6
100°	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5	85.5	85.5	85.4
102.5°	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0	106.1	106.2	106.2
105°	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8	137.0	137.4	137.4
107.5°	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0	170.1	170.2	170.0
110°	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.3



TEST NUMBER: P331259-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2	214.8	214.5	214.2
115°	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9	249.8	249.6	249.3
117.5°	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4	283.1	282.7	282.4
120°	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9	305.9	305.9	305.7
122.5°	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0	328.7	328.4	328.0
125°	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3	362.8	362.4	362.2
127.5°	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6	396.0	395.5	395.1
130°	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3	419.0	418.7	418.3
132.5°	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4	440.8	440.2	439.7
135°	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0	473.9	473.7	473.5
137.5°	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3	505.2	505.1	504.8
140°	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3	526.3	526.3	526.0
142.5°	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3	545.5	545.6	545.3
145°	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3	574.4	574.6	574.3
147.5°	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6	599.9	600.2	600.2
150°	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7	616.1	616.6	616.6
152.5°	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8	632.3	632.8	632.8
155°	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1	652.8	653.6	653.7
157.5°	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0	671.9	672.9	673.0
160°	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1	683.0	683.8	684.0
162.5°	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3	693.2	694.2	694.3
165°	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4	706.3	707.3	707.4
167.5°	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1	717.1	718.0	718.2
170°	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1	723.0	724.0	724.1
172.5°	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5	727.5	728.4	728.5
175°	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3	732.3	733.2	733.3
177.5°	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6	734.3	734.9	734.9
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331259-927

CATALOG NUMBER: SA2XXDIP-C290D725U927-4F0-1E-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°	5.5	5.5	5.5	5.4	5.5	5.5	5.5	5.5	5.5	5.9	5.9
90°	20.7	20.8	20.9	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2
92.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8
95°	39.2	39.0	38.7	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6
97.5°	66.6	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6
100°	85.2	85.1	85.0	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5
102.5°	106.1	105.9	105.8	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8
107.5°	169.4	168.7	168.1	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0
110°	191.9	191.5	191.2	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6



TEST NUMBER: P331259-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	213.9	213.6	213.3	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2
115°	248.9	248.5	248.1	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9
117.5°	282.0	281.5	281.1	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4
120°	305.2	304.8	304.4	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9
122.5°	327.7	327.4	327.1	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0
125°	362.0	361.9	361.8	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3
127.5°	394.7	394.2	393.8	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6
130°	417.7	417.2	416.7	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3
132.5°	439.2	438.8	438.3	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4
135°	473.1	472.7	472.2	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0
137.5°	504.2	503.7	503.1	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3
140°	525.5	525.0	524.4	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3
142.5°	544.8	544.2	543.8	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3
145°	573.8	573.2	572.7	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3
147.5°	599.6	599.0	598.6	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6
150°	616.1	615.7	615.3	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7
152.5°	632.3	631.8	631.2	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8
155°	653.2	652.8	652.4	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1
157.5°	672.3	671.7	671.0	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0
160°	683.4	682.9	682.3	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1
162.5°	693.6	693.0	692.3	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3
165°	706.7	706.0	705.4	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4
167.5°	717.5	716.8	716.1	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1
170°	723.3	722.4	721.6	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1
172.5°	727.7	726.8	726.0	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5
175°	732.5	731.7	730.9	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3
177.5°	734.3	733.6	732.9	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331259-927

CATALOG NUMBER: SA2XXDIP-C290D725U927-4F0-1E-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°	6.0	6.2	5.8	5.3	4.7	4.2	3.9	3.7	3.6	3.5	3.3
90°	21.4	21.7	18.6	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6
92.5°	19.7	19.7	19.0	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0
95°	39.6	39.6	39.4	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2
97.5°	66.6	66.6	66.1	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9
100°	85.5	85.5	85.0	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7
102.5°	105.8	105.8	105.2	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4
105°	136.5	136.3	135.9	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2
107.5°	169.9	169.8	169.8	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1
110°	192.6	192.6	192.6	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9



TEST NUMBER: P331259-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	215.6	215.9	215.9	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6
115°	250.0	250.2	250.4	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7
117.5°	283.8	284.1	284.9	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6
120°	305.9	305.9	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9
122.5°	329.3	329.6	330.4	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2
125°	363.7	364.1	364.5	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4
127.5°	397.0	397.5	398.0	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7
130°	419.5	419.9	420.1	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0
132.5°	442.0	442.6	442.5	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8
135°	474.2	474.3	474.0	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3
137.5°	505.4	505.5	505.2	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4
140°	526.3	526.3	525.6	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7
142.5°	545.3	545.2	544.7	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5
145°	574.2	574.0	573.1	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9
147.5°	599.3	599.0	598.5	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4
150°	615.3	614.9	614.3	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7
152.5°	631.2	630.7	630.0	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0
155°	651.5	650.8	650.4	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1
157.5°	670.0	669.1	668.8	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8
160°	681.4	680.5	680.4	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7
162.5°	691.3	690.4	690.3	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5
165°	704.4	703.4	703.4	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0
167.5°	715.2	714.2	714.2	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1
170°	721.1	720.1	720.3	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6
172.5°	725.6	724.6	724.8	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1
175°	730.4	729.4	729.7	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5
177.5°	732.9	732.3	732.5	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331259-927

CATALOG NUMBER: SA2XXDIP-C290D725U927-4F0-1E-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°	4.0	5.0	5.3	6.0	6.3	6.8	7.4	7.9	8.4	8.2	8.0
90°	2.3	4.0	5.5	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2
92.5°	12.2	13.5	14.7	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8
95°	33.6	34.9	36.4	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6
97.5°	60.0	61.2	62.4	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6
100°	79.8	80.8	81.9	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5
102.5°	100.3	101.2	102.1	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0
105°	133.6	134.0	134.4	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8
107.5°	167.7	168.3	168.9	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0
110°	189.6	190.5	191.3	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6



TEST NUMBER: P331259-927

CATALOG NUMBER: SA2XXDIP-C290D725U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.5	214.3	215.1	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2
115°	248.5	249.3	250.2	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9
117.5°	283.7	284.8	285.9	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4
120°	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9
122.5°	328.5	329.9	331.1	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0
125°	361.6	362.8	364.1	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3
127.5°	394.3	395.9	397.4	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6
130°	414.8	416.6	418.4	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3
132.5°	437.3	438.7	440.1	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4
135°	467.8	469.3	470.8	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0
137.5°	499.6	500.8	502.1	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3
140°	518.9	520.1	521.3	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3
142.5°	538.7	540.0	541.2	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3
145°	566.9	567.9	568.9	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3
147.5°	592.5	593.7	594.8	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6
150°	609.5	610.3	611.2	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7
152.5°	624.9	625.7	626.5	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8
155°	647.5	647.9	648.3	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1
157.5°	667.0	667.3	667.6	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0
160°	678.9	679.2	679.5	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1
162.5°	689.6	689.7	689.7	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3
165°	703.9	703.8	703.6	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4
167.5°	715.7	715.3	714.9	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1
170°	722.2	721.8	721.4	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1
172.5°	726.7	726.3	725.8	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5
175°	732.1	731.7	731.3	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3
177.5°	734.4	734.1	733.7	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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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°	8.1	8.0	7.8	7.8	8.1	7.9	7.9
90°	20.8	20.6	20.5	20.7	20.8	20.9	21.1
92.5°	19.9	19.9	20.0	20.0	20.0	20.0	20.0
95°	39.6	39.6	39.5	39.2	39.0	38.7	38.4
97.5°	66.6	66.6	66.6	66.6	66.5	66.5	66.5
100°	85.5	85.5	85.4	85.2	85.1	85.0	84.8
102.5°	106.1	106.2	106.2	106.1	105.9	105.8	105.6
105°	137.0	137.4	137.4	137.4	137.4	137.4	137.4
107.5°	170.1	170.2	170.0	169.4	168.7	168.1	167.5
110°	192.6	192.6	192.3	191.9	191.5	191.2	190.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	214.8	214.5	214.2	213.9	213.6	213.3	213.0
115°	249.8	249.6	249.3	248.9	248.5	248.1	247.7
117.5°	283.1	282.7	282.4	282.0	281.5	281.1	280.7
120°	305.9	305.9	305.7	305.2	304.8	304.4	304.0
122.5°	328.7	328.4	328.0	327.7	327.4	327.1	326.9
125°	362.8	362.4	362.2	362.0	361.9	361.8	361.6
127.5°	396.0	395.5	395.1	394.7	394.2	393.8	393.3
130°	419.0	418.7	418.3	417.7	417.2	416.7	416.1
132.5°	440.8	440.2	439.7	439.2	438.8	438.3	437.9
135°	473.9	473.7	473.5	473.1	472.7	472.2	471.8
137.5°	505.2	505.1	504.8	504.2	503.7	503.1	502.6
140°	526.3	526.3	526.0	525.5	525.0	524.4	523.9
142.5°	545.5	545.6	545.3	544.8	544.2	543.8	543.2
145°	574.4	574.6	574.3	573.8	573.2	572.7	572.1
147.5°	599.9	600.2	600.2	599.6	599.0	598.6	598.0
150°	616.1	616.6	616.6	616.1	615.7	615.3	614.9
152.5°	632.3	632.8	632.8	632.3	631.8	631.2	630.7
155°	652.8	653.6	653.7	653.2	652.8	652.4	652.0
157.5°	671.9	672.9	673.0	672.3	671.7	671.0	670.3
160°	683.0	683.8	684.0	683.4	682.9	682.3	681.8
162.5°	693.2	694.2	694.3	693.6	693.0	692.3	691.7
165°	706.3	707.3	707.4	706.7	706.0	705.4	704.6
167.5°	717.1	718.0	718.2	717.5	716.8	716.1	715.3
170°	723.0	724.0	724.1	723.3	722.4	721.6	720.7
172.5°	727.5	728.4	728.5	727.7	726.8	726.0	725.2
175°	732.3	733.2	733.3	732.5	731.7	730.9	730.1
177.5°	734.3	734.9	734.9	734.3	733.6	732.9	732.3
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7

(END OF REPORT)