

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: P331258-935

Luminaire Tested: **SA2XXDIP-C290D725U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331258-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C290D725U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

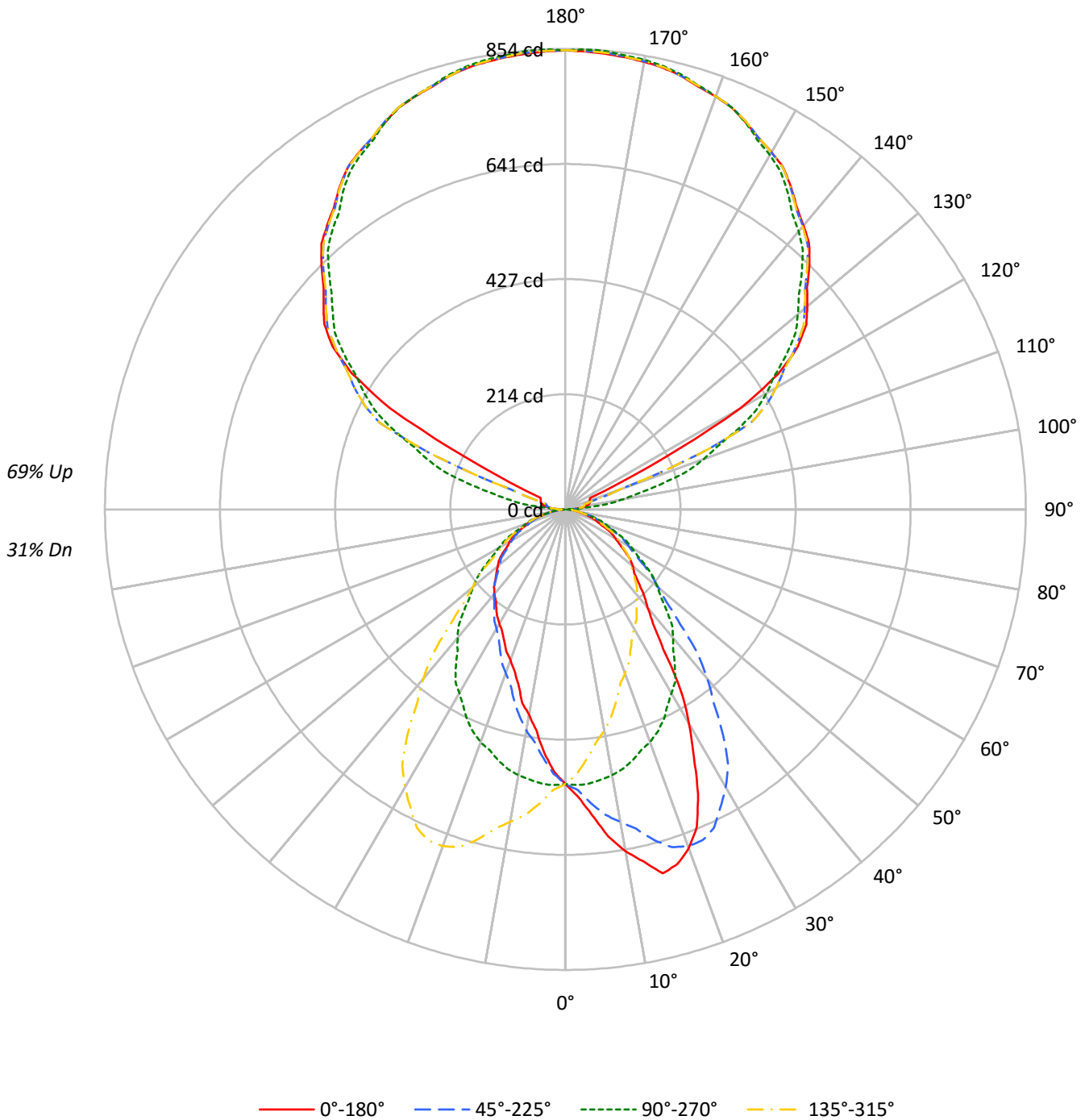
Lumens per Lamp: N/A
Luminaire Lumens: 3619.3 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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	92	92	92	92	73	73	73	55	55	55	39	39	39	31				31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	35	34	33				27	
2	86	79	73	68	77	71	66	62	56	53	50	43	41	39	31	30	28				23	
3	78	69	62	57	70	63	57	52	50	46	43	38	36	33	28	26	25				20	
4	72	61	54	48	64	56	49	44	45	40	36	34	31	29	25	23	21				17	
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	22	20	19				15	
6	61	49	41	36	54	45	38	33	36	31	28	28	25	22	20	18	17				13	
7	56	44	37	31	50	40	34	29	33	28	24	26	22	20	19	17	15				12	
8	52	40	33	28	47	37	30	26	30	25	22	23	20	17	17	15	13				11	
9	48	37	30	25	43	33	27	23	27	23	19	21	18	16	16	14	12				10	
10	45	34	27	22	41	31	25	20	25	20	17	20	17	14	15	13	11				9	

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.3
10°-20°	140.9	3.9
20°-30°	204.5	5.7
30°-40°	215.8	6.0
40°-50°	191.1	5.3
50°-60°	152.5	4.2
60°-70°	103.6	2.9
70°-80°	53.1	1.5
80°-90°	14.9	0.4
90°-100°	28.4	0.8
100°-110°	104.1	2.9
110°-120°	278.3	7.7
120°-130°	459.4	12.7
130°-140°	488.6	13.5
140°-150°	454.1	12.5
150°-160°	365.1	10.1
160°-170°	235.3	6.5
170°-180°	81.0	2.2
0°-30°	393.9	10.9
0°-40°	609.7	16.8
0°-60°	953.2	26.3
0°-90°	1124.9	31.1
90°-120°	410.8	11.4
90°-150°	1813.0	50.1
90°-180°	2494.0	68.9
0°-180°	3619.3	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°	17	1	17	1	17	8
95°	26	40	26	40	26	25
105°	47	187	47	187	47	49
115°	50	354	50	354	50	126
125°	527	501	527	501	527	456
135°	640	620	640	620	640	493
145°	730	719	730	719	730	456
155°	792	791	792	791	792	365
165°	832	834	832	834	832	235
175°	848	853	848	853	848	81
180°	851	851	851	851	851	



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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°	7.4	7.3	7.4	7.2	7.1	7.2	7.1	6.8	6.8	6.8	6.8
90°	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7	13.0	12.3	11.2
92.5°	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0	14.6	14.3	13.8
95°	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4	24.7	24.0	23.1
97.5°	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2	32.7	32.1	30.0
100°	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3	36.2	35.1	32.8
102.5°	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9	37.5	36.1	55.5
105°	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6	39.1	37.5	74.9
107.5°	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5	51.1	52.6	97.4
110°	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4	94.1	107.8	147.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0	222.0	271.8	281.6
115°	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3	316.7	380.0	376.6
117.5°	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3	405.6	420.9	418.5
120°	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8	453.1	451.4	449.0
122.5°	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5	481.5	480.5	477.9
125°	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4	521.4	520.5	517.8
127.5°	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2	557.8	556.4	554.5
130°	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6	581.1	579.5	578.1
132.5°	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3	604.0	602.7	601.2
135°	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7	636.4	635.0	633.8
137.5°	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9	666.5	665.2	663.7
140°	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3	686.1	684.9	683.4
142.5°	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3	704.2	703.1	701.4
145°	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6	729.6	728.6	726.3
147.5°	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4	751.7	751.1	748.7
150°	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9	765.2	764.3	762.2
152.5°	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3	777.5	776.6	774.6
155°	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0	794.1	793.2	791.6
157.5°	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9	808.0	807.1	805.9
160°	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1	816.3	815.5	814.6
162.5°	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7	823.8	822.9	822.2
165°	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0	833.0	832.1	831.6
167.5°	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8	840.8	839.8	839.5
170°	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7	844.7	843.8	843.5
172.5°	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7	847.7	846.7	846.4
175°	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9	850.9	850.0	849.6
177.5°	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2	851.4	850.7	850.6
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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°	6.7	6.5	6.3	6.4	5.6	5.3	4.3	3.5	3.7	3.9	3.9
90°	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6	2.2	3.6	5.2
92.5°	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4	12.3	12.1	12.1
95°	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0	35.6	31.0	26.5
97.5°	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5	66.7	54.0	41.2
100°	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0	90.2	71.5	52.8
102.5°	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5	137.6	133.6	129.7
105°	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3	191.3	195.4	199.6
107.5°	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4	242.6	246.0	249.3
110°	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9	275.7	278.6	281.5



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4	306.9	309.4	312.0
115°	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1	356.5	358.8	361.1
117.5°	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6	401.2	403.8	406.4
120°	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1	433.2	435.2	437.3
122.5°	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7	460.9	463.0	465.2
125°	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8	502.5	504.3	506.1
127.5°	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8	540.8	542.8	544.7
130°	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9	565.2	567.3	569.5
132.5°	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5	589.4	591.3	593.1
135°	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6	621.8	624.0	626.2
137.5°	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0	653.5	655.0	656.6
140°	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2	674.2	675.4	676.5
142.5°	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0	691.9	692.9	693.9
145°	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8	718.6	718.5	718.3
147.5°	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0	742.5	742.0	741.5
150°	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8	757.9	756.9	756.0
152.5°	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1	771.0	770.0	768.9
155°	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4	790.2	788.9	787.7
157.5°	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6	805.6	804.5	803.5
160°	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	814.6	813.8	813.0
162.5°	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4	822.5	821.7	820.9
165°	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0	833.1	832.3	831.5
167.5°	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8	841.0	840.2	839.4
170°	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3	845.4	844.6	843.8
172.5°	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2	848.3	847.6	846.7
175°	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0	852.0	851.1	850.2
177.5°	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7	852.9	852.1	851.4
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

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°	4.0	4.1	4.1	4.4	4.5	4.5	4.5	4.6	4.7	4.6	4.6
90°	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7	14.4	15.1	15.5
92.5°	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0	15.3	15.7	16.0
95°	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4	26.1	26.8	27.0
97.5°	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2	33.8	34.4	34.7
100°	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3	38.4	39.5	40.2
102.5°	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9	40.4	41.8	42.7
105°	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6	42.1	43.6	44.6
107.5°	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5	48.0	46.5	46.0
110°	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4	66.7	53.0	46.5



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0	122.1	72.2	47.4
115°	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3	189.9	126.6	89.9
117.5°	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3	374.9	359.6	335.7
120°	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8	456.4	458.1	449.6
122.5°	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5	483.5	484.5	483.2
125°	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4	523.3	524.3	525.0
127.5°	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2	560.6	562.0	562.7
130°	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6	584.1	585.6	586.3
132.5°	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3	606.6	607.9	608.5
135°	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7	639.1	640.5	641.0
137.5°	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9	669.2	670.5	671.0
140°	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3	688.5	689.8	690.1
142.5°	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3	706.5	707.6	707.8
145°	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6	731.5	732.5	732.5
147.5°	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4	753.2	753.9	754.0
150°	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9	766.8	767.6	767.7
152.5°	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3	779.1	780.0	779.9
155°	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0	795.7	796.6	796.4
157.5°	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9	809.9	810.8	810.7
160°	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1	817.9	818.7	818.6
162.5°	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7	825.6	826.6	826.5
165°	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0	835.0	835.9	835.9
167.5°	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8	842.7	843.7	843.5
170°	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7	846.6	847.7	847.5
172.5°	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7	849.6	850.6	850.4
175°	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9	852.8	853.8	853.6
177.5°	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2	853.0	853.8	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

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°	4.7	4.6	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.7	4.6
90°	15.8	16.1	16.4	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7
92.5°	16.1	16.3	16.4	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0
95°	26.9	26.8	26.6	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4
97.5°	34.9	35.0	35.2	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2
100°	40.5	40.7	41.0	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3
102.5°	43.0	43.5	43.8	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9
105°	45.2	45.7	46.2	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6
107.5°	46.5	47.1	47.6	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5
110°	47.0	47.5	48.1	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	47.9	48.3	48.7	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0
115°	80.1	70.2	60.4	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3
117.5°	303.3	271.0	238.6	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3
120°	431.1	412.7	394.2	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8
122.5°	479.6	476.0	472.4	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5
125°	525.4	525.8	526.2	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4
127.5°	562.8	562.9	563.0	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2
130°	586.2	586.0	585.8	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6
132.5°	608.3	608.2	608.0	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3
135°	640.8	640.5	640.2	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7
137.5°	670.5	670.0	669.6	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9
140°	689.4	688.7	688.0	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3
142.5°	707.1	706.5	705.8	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3
145°	731.9	731.2	730.6	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6
147.5°	753.4	752.8	752.3	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4
150°	767.0	766.3	765.6	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9
152.5°	779.0	778.1	777.2	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3
155°	795.3	794.3	793.2	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0
157.5°	809.7	808.6	807.5	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9
160°	817.7	816.7	815.8	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1
162.5°	825.3	824.1	822.9	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7
165°	835.0	834.0	833.0	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0
167.5°	842.3	841.1	839.8	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8
170°	846.3	845.0	843.8	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7
172.5°	849.2	848.0	846.7	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7
175°	852.2	850.8	849.5	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9
177.5°	852.6	851.7	850.7	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

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°	4.5	4.5	4.5	4.4	4.1	4.1	4.0	3.9	3.9	3.7	3.5
90°	13.0	12.3	11.2	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6
92.5°	14.6	14.3	13.8	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4
95°	24.7	24.0	23.1	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0
97.5°	32.7	32.1	30.0	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5
100°	36.2	35.1	32.8	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0
102.5°	37.5	36.1	55.5	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5
105°	39.1	37.5	74.9	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3
107.5°	51.1	52.6	97.4	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4
110°	94.1	107.8	147.3	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	271.8	281.6	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4
115°	316.7	380.0	376.6	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1
117.5°	405.6	420.9	418.5	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6
120°	453.1	451.4	449.0	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1
122.5°	481.5	480.5	477.9	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7
125°	521.4	520.5	517.8	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8
127.5°	557.8	556.4	554.5	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8
130°	581.1	579.5	578.1	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9
132.5°	604.0	602.7	601.2	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5
135°	636.4	635.0	633.8	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6
137.5°	666.5	665.2	663.7	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0
140°	686.1	684.9	683.4	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2
142.5°	704.2	703.1	701.4	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0
145°	729.6	728.6	726.3	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8
147.5°	751.7	751.1	748.7	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0
150°	765.2	764.3	762.2	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8
152.5°	777.5	776.6	774.6	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1
155°	794.1	793.2	791.6	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4
157.5°	808.0	807.1	805.9	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6
160°	816.3	815.5	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5
162.5°	823.8	822.9	822.2	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4
165°	833.0	832.1	831.6	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0
167.5°	840.8	839.8	839.5	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8
170°	844.7	843.8	843.5	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3
172.5°	847.7	846.7	846.4	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2
175°	850.9	850.0	849.6	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0
177.5°	851.4	850.7	850.6	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

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°	4.3	5.3	5.6	6.4	6.3	6.5	6.7	6.8	6.8	6.8	6.8
90°	2.2	3.6	5.2	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7
92.5°	12.3	12.1	12.1	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0
95°	35.6	31.0	26.5	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4
97.5°	66.7	54.0	41.2	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2
100°	90.2	71.5	52.8	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3
102.5°	137.6	133.6	129.7	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9
105°	191.3	195.4	199.6	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6
107.5°	242.6	246.0	249.3	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5
110°	275.7	278.6	281.5	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4



TEST NUMBER: P331258-935

CATALOG NUMBER: SA2XXDIP-C290D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.9	309.4	312.0	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0
115°	356.5	358.8	361.1	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3
117.5°	401.2	403.8	406.4	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3
120°	433.2	435.2	437.3	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8
122.5°	460.9	463.0	465.2	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5
125°	502.5	504.3	506.1	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4
127.5°	540.8	542.8	544.7	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2
130°	565.2	567.3	569.5	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6
132.5°	589.4	591.3	593.1	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3
135°	621.8	624.0	626.2	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7
137.5°	653.5	655.0	656.6	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9
140°	674.2	675.4	676.5	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3
142.5°	691.9	692.9	693.9	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3
145°	718.6	718.5	718.3	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6
147.5°	742.5	742.0	741.5	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4
150°	757.9	756.9	756.0	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9
152.5°	771.0	770.0	768.9	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3
155°	790.2	788.9	787.7	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0
157.5°	805.6	804.5	803.5	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9
160°	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1
162.5°	822.5	821.7	820.9	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7
165°	833.1	832.3	831.5	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0
167.5°	841.0	840.2	839.4	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8
170°	845.4	844.6	843.8	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7
172.5°	848.3	847.6	846.7	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7
175°	852.0	851.1	850.2	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9
177.5°	852.9	852.1	851.4	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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°	7.1	7.2	7.1	7.2	7.4	7.3	7.4
90°	14.4	15.1	15.5	15.8	16.1	16.4	16.6
92.5°	15.3	15.7	16.0	16.1	16.3	16.4	16.6
95°	26.1	26.8	27.0	26.9	26.8	26.6	26.5
97.5°	33.8	34.4	34.7	34.9	35.0	35.2	35.4
100°	38.4	39.5	40.2	40.5	40.7	41.0	41.2
102.5°	40.4	41.8	42.7	43.0	43.5	43.8	44.3
105°	42.1	43.6	44.6	45.2	45.7	46.2	46.8
107.5°	48.0	46.5	46.0	46.5	47.1	47.6	48.1
110°	66.7	53.0	46.5	47.0	47.5	48.1	48.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	122.1	72.2	47.4	47.9	48.3	48.7	49.2
115°	189.9	126.6	89.9	80.1	70.2	60.4	50.5
117.5°	374.9	359.6	335.7	303.3	271.0	238.6	206.2
120°	456.4	458.1	449.6	431.1	412.7	394.2	375.7
122.5°	483.5	484.5	483.2	479.6	476.0	472.4	468.8
125°	523.3	524.3	525.0	525.4	525.8	526.2	526.6
127.5°	560.6	562.0	562.7	562.8	562.9	563.0	563.1
130°	584.1	585.6	586.3	586.2	586.0	585.8	585.7
132.5°	606.6	607.9	608.5	608.3	608.2	608.0	607.9
135°	639.1	640.5	641.0	640.8	640.5	640.2	639.9
137.5°	669.2	670.5	671.0	670.5	670.0	669.6	669.1
140°	688.5	689.8	690.1	689.4	688.7	688.0	687.3
142.5°	706.5	707.6	707.8	707.1	706.5	705.8	705.1
145°	731.5	732.5	732.5	731.9	731.2	730.6	729.9
147.5°	753.2	753.9	754.0	753.4	752.8	752.3	751.7
150°	766.8	767.6	767.7	767.0	766.3	765.6	764.9
152.5°	779.1	780.0	779.9	779.0	778.1	777.2	776.3
155°	795.7	796.6	796.4	795.3	794.3	793.2	792.0
157.5°	809.9	810.8	810.7	809.7	808.6	807.5	806.5
160°	817.9	818.7	818.6	817.7	816.7	815.8	814.9
162.5°	825.6	826.6	826.5	825.3	824.1	822.9	821.7
165°	835.0	835.9	835.9	835.0	834.0	833.0	832.1
167.5°	842.7	843.7	843.5	842.3	841.1	839.8	838.6
170°	846.6	847.7	847.5	846.3	845.0	843.8	842.6
172.5°	849.6	850.6	850.4	849.2	848.0	846.7	845.5
175°	852.8	853.8	853.6	852.2	850.8	849.5	848.1
177.5°	853.0	853.8	853.7	852.6	851.7	850.7	849.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2

(END OF REPORT)