

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: P331268-940

Luminaire Tested: **SA2XXDIP-C290D925U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331268-940
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-C290D925U940-4F0-1E-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

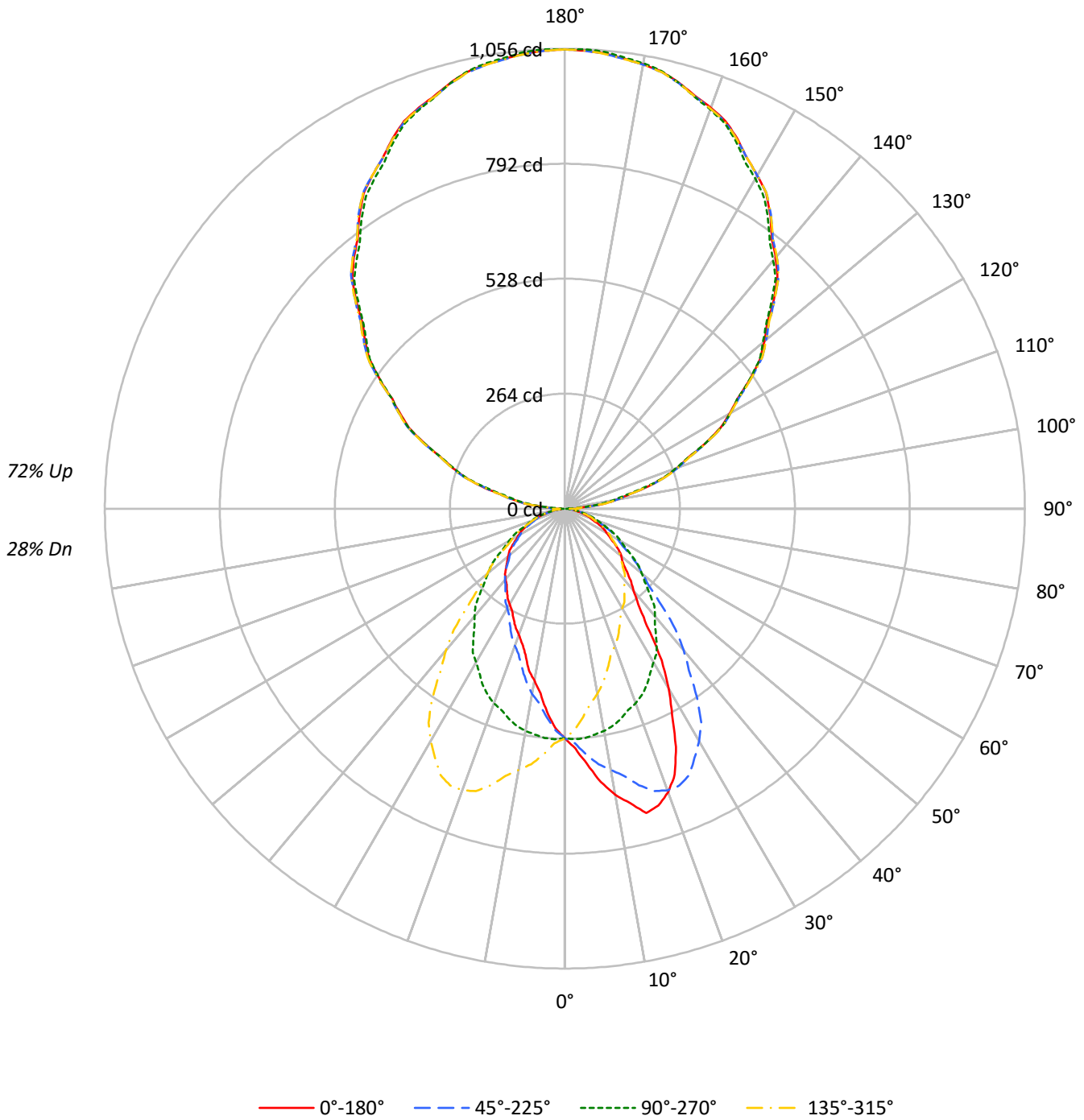
Lumens per Lamp: N/A
Luminaire Lumens: 4115.7 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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	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°	8510	8510	8510	8510
5°	9540	8566	7590	8566
10°	10932	8496	6568	8496
15°	12094	8339	5804	8339
20°	11911	8172	5290	8172
25°	10739	7949	4965	7949
30°	8874	7594	4728	7594
35°	6467	7222	4559	7222
40°	5166	6785	4466	6785
45°	4514	6277	4338	6277
50°	4245	5785	4253	5785
55°	3910	5286	4138	5286
60°	3584	4753	3965	4753
65°	3266	4279	3790	4279
70°	2965	3814	3541	3814
75°	2633	3300	3132	3300
80°	2259	2724	2520	2724
85°	2038	2038	1501	2038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	1.2
10°-20°	145.9	3.5
20°-30°	211.8	5.1
30°-40°	223.5	5.4
40°-50°	197.9	4.8
50°-60°	157.9	3.8
60°-70°	107.3	2.6
70°-80°	55.0	1.3
80°-90°	17.5	0.4
90°-100°	66.8	1.6
100°-110°	207.5	5.0
110°-120°	354.7	8.6
120°-130°	466.5	11.3
130°-140°	523.6	12.7
140°-150°	513.4	12.5
150°-160°	430.6	10.5
160°-170°	285.6	6.9
170°-180°	99.8	2.4
0°-30°	407.9	9.9
0°-40°	631.4	15.3
0°-60°	987.2	24.0
0°-90°	1167.0	28.4
90°-120°	629.1	15.3
90°-150°	2132.6	51.8
90°-180°	2949.0	71.7
0°-180°	4115.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	589	528	468	528	589	59
15°	724	499	347	499	724	200
25°	603	446	279	446	603	272
35°	328	366	231	366	328	213
45°	198	275	190	275	198	155
55°	139	188	147	188	139	125
65°	86	112	99	112	86	85
75°	42	53	50	53	42	45
85°	11	11	8	11	11	13
90°	30	1	30	1	30	14
95°	55	46	55	46	55	62
105°	198	191	198	191	198	208
115°	356	356	356	356	356	352
125°	520	518	520	518	520	463
135°	678	670	678	670	678	522
145°	822	813	822	813	822	513
155°	937	930	937	930	937	431
165°	1013	1012	1013	1012	1013	286
175°	1049	1053	1049	1053	1049	100
180°	1054	1054	1054	1054	1054	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	551.3	551.5	551.9	549.3	548.9	548.9	546.7	544.7	542.4	539.4	539.8
5°	588.6	590.8	591.7	589.2	585.6	585.2	581.8	576.1	570.8	566.6	563.6
7.5°	633.1	634.0	632.0	628.8	626.2	621.3	614.8	608.6	599.8	591.7	585.8
10°	666.8	668.1	664.6	660.0	656.1	650.4	641.1	631.6	620.1	608.9	600.0
12.5°	692.4	695.4	691.0	690.5	683.9	676.0	664.9	660.1	643.9	628.4	618.8
15°	723.5	723.4	723.8	719.9	715.1	713.8	702.1	689.3	666.5	657.3	641.5
17.5°	714.5	717.6	719.1	719.0	718.9	718.1	714.3	706.3	694.8	680.0	661.8
20°	693.2	697.2	697.9	702.5	705.2	708.6	710.0	707.8	700.7	688.3	672.5
22.5°	660.1	661.3	663.2	670.4	676.1	684.7	689.2	696.8	694.0	688.0	674.8
25°	602.8	600.8	607.9	611.5	624.7	638.5	648.5	659.3	669.1	674.9	671.1
27.5°	534.0	531.0	541.6	551.3	562.0	576.9	592.4	610.6	625.8	644.9	651.4
30°	476.0	477.9	487.9	498.3	514.5	535.6	553.0	573.0	594.8	616.0	630.8
32.5°	413.5	420.4	426.9	442.7	457.0	480.5	506.0	531.1	558.1	582.3	605.2
35°	328.1	336.3	345.2	356.7	376.7	400.0	425.0	458.8	495.7	528.7	555.8
37.5°	276.3	274.9	280.0	288.4	304.6	323.4	352.1	385.5	428.9	467.7	506.0
40°	245.1	244.3	247.9	255.7	268.0	281.8	306.9	336.3	376.6	424.0	469.6
42.5°	223.7	224.2	226.2	231.7	240.1	251.5	270.3	295.2	332.2	376.8	425.8
45°	197.7	199.1	201.3	204.0	208.8	218.2	228.7	246.6	275.7	313.0	361.1
47.5°	179.0	179.1	181.3	183.6	186.5	191.7	200.4	211.5	232.1	262.4	303.9
50°	169.0	167.6	169.2	170.9	174.0	177.6	183.3	193.9	207.6	232.1	266.8
52.5°	156.6	156.7	158.1	158.8	161.5	165.1	170.3	177.6	190.1	209.3	237.7
55°	138.9	140.0	140.8	142.0	144.5	147.0	151.1	156.0	165.7	180.0	201.2
57.5°	122.3	122.7	123.5	125.8	127.3	129.7	133.6	138.0	144.4	155.0	170.9
60°	111.0	111.0	112.6	113.6	115.7	118.1	121.1	125.4	131.1	139.7	152.6
62.5°	100.7	100.5	101.1	102.8	104.3	106.6	109.6	113.2	118.6	126.4	136.8
65°	85.5	85.1	86.3	86.7	88.3	90.5	93.0	96.8	101.1	106.7	116.1
67.5°	70.9	71.4	72.1	72.8	73.7	76.1	77.7	80.3	84.0	88.7	95.0
70°	62.8	62.8	62.8	63.4	64.6	65.8	67.4	69.6	73.1	77.1	82.8
72.5°	53.7	54.4	55.0	54.7	56.2	56.9	58.9	60.1	63.4	66.0	71.0
75°	42.2	42.2	42.2	43.2	43.8	44.3	45.6	46.8	48.4	51.6	54.3
77.5°	31.5	31.4	31.6	31.8	32.5	33.2	33.5	34.6	36.1	37.6	39.9
80°	24.3	24.7	24.9	25.3	25.3	25.7	25.9	27.4	28.4	29.3	30.8
82.5°	18.8	18.9	18.9	19.0	19.2	19.4	20.0	20.4	20.8	21.6	22.6
85°	11.0	10.7	10.7	11.1	11.0	11.0	11.3	11.8	11.8	11.9	12.6
87.5°	10.3	10.3	10.3	10.2	10.1	10.3	10.3	10.3	10.5	10.8	10.1
90°	30.2	30.1	29.9	29.7	29.4	29.6	30.0	30.3	30.8	31.1	26.8
92.5°	28.8	28.8	28.7	28.7	28.7	28.6	28.5	28.4	28.4	28.3	27.3
95°	55.2	55.6	56.0	56.4	56.7	57.0	57.0	57.0	57.0	57.0	56.5
97.5°	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.0
100°	121.9	122.1	122.3	122.5	122.7	122.8	122.8	122.8	122.8	122.8	122.3
102.5°	151.9	152.0	152.2	152.4	152.6	152.7	152.5	152.3	152.1	152.0	151.2
105°	197.5	197.5	197.5	197.5	197.5	197.3	197.0	196.5	196.2	195.7	195.4
107.5°	240.6	241.6	242.5	243.3	244.2	244.6	244.5	244.3	244.2	244.0	244.0
110°	274.1	274.6	275.3	275.9	276.4	276.8	276.8	276.8	276.8	276.8	276.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	306.1	306.6	307.0	307.5	307.8	308.4	308.8	309.2	309.8	310.2	310.4
115°	356.0	356.5	357.1	357.8	358.3	358.7	358.9	359.1	359.4	359.5	359.9
117.5°	403.5	404.0	404.7	405.3	405.8	406.4	406.9	407.3	407.8	408.3	409.4
120°	436.9	437.6	438.1	438.7	439.3	439.6	439.6	439.6	439.6	439.6	441.2
122.5°	469.7	470.1	470.6	471.0	471.4	471.9	472.3	472.8	473.3	473.8	474.9
125°	519.7	519.9	520.0	520.3	520.5	520.8	521.5	522.1	522.6	523.3	523.9
127.5°	565.3	565.9	566.5	567.1	567.8	568.5	569.2	569.9	570.6	571.3	572.0
130°	598.0	598.8	599.6	600.4	601.2	601.7	602.2	602.5	603.0	603.3	603.8
132.5°	629.4	630.0	630.6	631.2	631.9	632.6	633.5	634.4	635.3	636.1	636.0
135°	678.1	678.7	679.3	679.8	680.5	680.8	681.1	681.3	681.4	681.6	681.3
137.5°	722.2	723.0	723.8	724.6	725.4	725.9	726.0	726.2	726.4	726.5	726.0
140°	752.9	753.7	754.4	755.2	756.0	756.4	756.4	756.4	756.4	756.4	755.5
142.5°	780.6	781.4	782.2	783.0	783.8	784.1	783.9	783.8	783.6	783.5	782.7
145°	822.2	823.0	823.9	824.7	825.5	825.7	825.5	825.3	825.1	824.9	823.8
147.5°	859.4	860.2	860.9	861.7	862.5	862.6	862.2	861.7	861.3	860.9	860.1
150°	883.7	884.2	884.8	885.5	886.0	886.0	885.5	884.8	884.2	883.7	882.9
152.5°	906.4	907.2	907.9	908.7	909.5	909.5	908.7	907.9	907.2	906.4	905.4
155°	937.0	937.6	938.3	938.8	939.4	939.2	938.3	937.3	936.3	935.2	934.7
157.5°	963.4	964.3	965.3	966.3	967.1	967.0	965.6	964.3	963.0	961.6	961.3
160°	979.7	980.5	981.3	982.1	982.9	982.8	981.5	980.3	979.2	977.9	977.8
162.5°	994.0	995.0	995.9	996.8	997.8	997.6	996.2	994.9	993.5	992.2	992.0
165°	1012.7	1013.7	1014.7	1015.7	1016.6	1016.5	1015.0	1013.7	1012.3	1010.9	1010.9
167.5°	1028.0	1029.0	1030.0	1031.1	1032.1	1031.9	1030.6	1029.1	1027.8	1026.4	1026.4
170°	1035.8	1037.0	1038.2	1039.4	1040.5	1040.4	1039.1	1037.7	1036.3	1034.9	1035.1
172.5°	1042.2	1043.4	1044.6	1045.8	1047.0	1046.9	1045.5	1044.1	1042.8	1041.3	1041.5
175°	1049.2	1050.3	1051.5	1052.8	1053.9	1053.8	1052.4	1051.1	1049.6	1048.3	1048.7
177.5°	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1	1055.3	1054.3	1053.3	1052.4	1052.7
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	540.8	539.6	538.8	535.8	533.2	530.7	529.9	530.1	526.6	523.2	521.7
5°	562.0	557.9	554.0	548.6	542.1	534.9	531.4	528.5	521.4	513.7	509.3
7.5°	580.8	575.0	567.6	557.3	547.9	536.7	529.6	523.3	513.0	502.1	495.4
10°	592.3	584.4	574.9	562.3	550.8	537.2	527.7	518.2	506.0	493.0	484.9
12.5°	602.2	591.6	582.2	566.1	552.4	535.4	524.1	510.7	497.9	482.5	474.6
15°	625.7	606.1	588.3	570.0	553.2	529.5	516.9	498.9	482.1	463.1	454.0
17.5°	643.9	621.8	593.8	570.6	551.0	524.7	506.3	484.7	464.8	443.1	430.7
20°	654.2	628.9	598.8	571.2	547.8	517.7	497.7	475.6	452.4	427.8	414.5
22.5°	660.4	633.8	604.0	568.8	541.3	512.1	486.9	462.6	439.1	412.6	398.6
25°	662.4	638.1	606.5	566.8	533.2	500.2	469.8	446.2	417.7	393.0	372.6
27.5°	652.7	635.3	604.9	562.9	523.8	485.2	451.3	424.7	394.6	367.7	347.1
30°	640.9	630.8	601.2	559.1	516.3	474.8	437.6	407.3	377.4	350.3	329.1
32.5°	622.6	620.5	594.4	553.6	508.4	461.7	423.1	392.6	359.4	332.7	312.6
35°	586.7	596.4	580.0	541.3	493.5	443.0	401.3	366.4	332.0	306.5	287.7
37.5°	538.4	562.6	558.3	523.3	473.2	422.7	376.6	340.2	307.4	281.6	263.1
40°	505.2	536.0	540.5	509.4	459.1	407.0	358.1	321.9	289.9	266.4	247.7
42.5°	469.6	505.5	517.7	492.9	443.4	390.4	341.6	304.1	272.3	249.5	233.0
45°	409.8	457.4	479.5	465.3	417.5	363.2	313.0	274.9	246.1	224.6	211.9
47.5°	353.9	405.9	435.6	430.6	388.6	334.8	285.2	248.6	220.6	203.5	192.1
50°	314.4	367.8	403.7	405.4	367.8	314.6	264.7	230.3	204.6	188.6	179.2
52.5°	280.0	331.1	370.1	378.8	344.6	293.6	246.5	212.1	189.5	174.8	166.5
55°	235.1	278.3	321.6	337.5	310.1	261.5	217.9	187.8	166.5	156.4	149.1
57.5°	195.6	231.5	271.5	289.0	272.2	230.5	189.7	163.5	146.2	137.3	131.7
60°	174.6	203.0	238.6	259.5	244.9	207.9	172.2	147.2	133.0	125.2	119.9
62.5°	155.2	180.3	210.4	229.5	221.6	186.6	154.7	132.7	120.5	113.1	109.2
65°	128.0	147.8	171.2	188.8	183.5	157.0	130.8	112.0	102.3	96.4	93.4
67.5°	105.4	119.8	135.9	151.3	147.1	128.3	107.4	92.6	85.4	80.3	78.5
70°	91.1	102.1	116.5	128.9	125.4	110.0	93.4	80.8	74.5	70.3	68.5
72.5°	77.6	86.5	97.6	107.6	105.3	92.5	78.6	69.2	64.3	60.4	58.9
75°	58.6	65.5	72.1	78.8	78.2	68.3	60.2	52.9	49.0	46.0	45.4
77.5°	43.2	47.1	51.6	55.6	54.5	48.8	42.4	38.3	35.5	33.4	33.1
80°	33.0	35.2	38.5	41.3	39.9	37.5	32.4	29.3	27.4	25.3	24.5
82.5°	24.0	26.1	28.1	29.7	28.5	26.3	23.2	21.1	19.9	18.5	18.2
85°	12.6	13.7	14.6	15.0	14.6	13.2	11.8	11.0	9.9	9.3	9.1
87.5°	9.4	8.5	7.6	7.2	6.3	5.8	4.7	3.7	4.0	4.4	4.5
90°	22.5	18.1	13.7	10.3	8.0	5.6	3.3	0.9	3.3	5.6	8.0
92.5°	26.2	25.2	24.2	22.8	21.0	19.4	17.6	15.9	17.6	19.4	21.0
95°	56.2	55.7	55.4	54.2	52.2	50.2	48.2	46.3	48.2	50.2	52.2
97.5°	94.3	93.5	92.7	91.5	89.8	88.0	86.3	84.5	86.3	88.0	89.8
100°	121.6	121.0	120.5	119.3	117.8	116.2	114.6	113.0	114.6	116.2	117.8
102.5°	150.5	149.7	149.0	147.9	146.7	145.4	144.2	142.9	144.2	145.4	146.7
105°	195.0	194.6	194.2	193.7	193.1	192.5	191.9	191.4	191.9	192.5	193.1
107.5°	244.0	244.0	244.0	243.6	242.7	241.8	240.9	240.0	240.9	241.8	242.7
110°	276.8	276.8	276.8	276.2	275.0	273.8	272.6	271.4	272.6	273.8	275.0



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	310.5	310.7	310.9	310.3	309.2	308.0	306.7	305.6	306.7	308.0	309.2
115°	360.3	360.7	361.1	360.7	359.5	358.3	357.1	356.0	357.1	358.3	359.5
117.5°	410.5	411.6	412.7	412.5	410.9	409.3	407.7	406.2	407.7	409.3	410.9
120°	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6	441.2	442.7	444.3
122.5°	476.0	477.1	478.2	477.8	475.9	474.0	472.1	470.2	472.1	474.0	475.9
125°	524.4	525.0	525.7	525.0	523.3	521.5	519.7	517.9	519.7	521.5	523.3
127.5°	572.7	573.5	574.2	573.4	571.1	568.9	566.6	564.4	566.6	568.9	571.1
130°	604.1	604.5	604.9	603.9	601.3	598.7	596.1	593.5	596.1	598.7	601.3
132.5°	636.0	635.9	635.8	634.7	632.6	630.5	628.4	626.3	628.4	630.5	632.6
135°	680.8	680.5	680.1	678.8	676.6	674.4	672.3	670.1	672.3	674.4	676.6
137.5°	725.5	725.0	724.4	723.3	721.5	719.7	717.9	716.2	717.9	719.7	721.5
140°	754.4	753.4	752.4	751.1	749.3	747.5	745.7	744.0	745.7	747.5	749.3
142.5°	782.1	781.4	780.8	779.5	777.8	776.0	774.2	772.4	774.2	776.0	777.8
145°	822.5	821.4	820.2	818.9	817.5	816.1	814.8	813.3	814.8	816.1	817.5
147.5°	859.3	858.5	857.7	856.5	854.8	853.2	851.5	849.8	851.5	853.2	854.8
150°	882.1	881.3	880.5	879.5	878.3	877.1	875.9	874.8	875.9	877.1	878.3
152.5°	904.6	903.6	902.7	901.6	900.4	899.2	898.0	896.8	898.0	899.2	900.4
155°	934.1	933.5	932.9	932.3	931.7	931.1	930.5	930.0	930.5	931.1	931.7
157.5°	960.9	960.6	960.2	959.8	959.4	959.0	958.6	958.2	958.6	959.0	959.4
160°	977.6	977.4	977.2	976.9	976.5	976.1	975.7	975.4	975.7	976.1	976.5
162.5°	991.8	991.7	991.4	991.3	991.2	991.1	991.0	991.0	991.0	991.1	991.2
165°	1010.9	1010.9	1010.9	1011.0	1011.2	1011.4	1011.6	1011.8	1011.6	1011.4	1011.2
167.5°	1026.4	1026.5	1026.5	1026.9	1027.4	1028.1	1028.7	1029.2	1028.7	1028.1	1027.4
170°	1035.4	1035.5	1035.7	1036.1	1036.7	1037.3	1037.9	1038.5	1037.9	1037.3	1036.7
172.5°	1041.7	1042.0	1042.1	1042.5	1043.1	1043.7	1044.3	1044.9	1044.3	1043.7	1043.1
175°	1049.1	1049.5	1049.9	1050.3	1051.0	1051.5	1052.1	1052.8	1052.1	1051.5	1051.0
177.5°	1053.0	1053.3	1053.6	1054.0	1054.5	1055.0	1055.4	1056.0	1055.4	1055.0	1054.5
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	520.1	519.2	515.8	514.0	511.0	508.3	506.5	507.3	507.9	507.7	507.1
5°	505.2	501.3	495.4	490.4	486.8	480.1	477.2	475.8	474.6	473.2	471.8
7.5°	487.4	481.3	473.0	465.7	459.0	450.6	445.9	443.1	440.1	436.9	434.1
10°	474.8	466.3	457.4	447.3	439.2	431.7	425.0	420.5	416.4	412.6	409.8
12.5°	461.5	451.7	440.7	426.9	417.9	407.2	406.2	398.3	392.0	389.6	386.3
15°	440.4	426.6	412.6	396.2	389.1	379.4	373.4	367.2	361.8	357.9	357.0
17.5°	416.3	398.5	384.6	372.8	361.2	351.2	345.6	340.8	336.3	331.2	330.5
20°	398.1	382.6	367.5	357.1	345.2	335.0	328.1	323.3	319.4	316.4	313.8
22.5°	380.7	363.8	349.9	338.7	326.9	318.7	313.3	308.5	305.3	302.0	299.5
25°	352.8	339.7	324.5	311.7	302.0	296.8	292.3	288.3	286.2	284.0	281.2
27.5°	328.5	313.9	299.7	289.8	281.2	276.6	273.4	270.6	268.8	267.4	265.8
30°	311.4	296.6	285.4	275.7	268.6	263.9	261.9	260.3	258.1	257.3	256.5
32.5°	294.8	281.5	272.0	263.5	256.8	253.7	251.9	250.4	248.7	247.9	246.2
35°	271.4	260.3	251.0	246.3	240.9	238.2	236.8	234.8	233.2	232.4	232.1
37.5°	249.4	239.8	233.6	227.7	225.3	223.7	221.8	220.4	219.9	219.8	219.5
40°	235.1	227.3	221.8	217.0	216.0	213.5	211.9	210.7	210.7	210.9	210.7
42.5°	222.2	215.1	210.3	206.1	204.9	203.5	201.8	201.8	202.1	202.8	202.1
45°	202.6	197.5	194.0	192.1	189.8	188.4	188.2	188.8	189.0	189.2	189.8
47.5°	184.5	181.1	178.0	175.8	174.8	174.6	174.3	175.4	176.4	176.7	177.6
50°	173.8	170.0	167.3	165.9	165.1	164.7	165.1	166.3	167.1	168.1	168.7
52.5°	161.8	159.1	157.3	156.1	155.9	156.1	156.1	157.6	158.8	159.3	159.5
55°	145.3	143.2	142.9	141.0	141.8	141.6	142.6	143.4	144.6	145.9	146.1
57.5°	128.7	127.1	126.0	126.2	126.4	127.3	128.1	129.6	130.8	132.2	132.2
60°	117.7	116.9	116.3	116.3	116.6	117.9	118.9	120.3	121.1	122.0	122.5
62.5°	107.6	106.8	106.2	106.6	107.6	108.3	109.5	110.3	111.1	111.9	112.2
65°	91.8	91.4	91.9	92.4	92.6	93.5	95.0	95.6	96.4	96.8	98.3
67.5°	77.1	77.2	77.1	77.7	78.9	79.1	80.4	81.9	82.0	82.8	83.7
70°	67.2	67.7	68.0	68.5	69.5	69.9	70.9	71.5	72.3	72.9	73.6
72.5°	58.1	58.2	58.7	58.6	59.5	60.3	61.2	61.8	62.6	63.4	63.9
75°	44.8	44.8	45.2	45.4	46.4	47.4	47.2	47.6	48.4	49.2	49.7
77.5°	32.7	32.3	32.7	32.9	33.3	34.1	34.2	34.8	35.8	35.5	35.9
80°	24.9	24.3	24.9	25.1	25.1	26.1	26.1	26.6	27.1	26.6	27.1
82.5°	17.7	17.5	17.9	18.0	18.3	18.4	18.6	18.7	19.4	19.1	19.4
85°	8.9	8.7	8.9	8.7	8.9	9.1	9.1	8.9	8.9	9.3	8.7
87.5°	4.8	5.4	6.1	7.0	7.7	8.3	8.1	8.0	7.9	7.5	7.5
90°	10.3	13.7	18.1	22.5	26.8	31.1	30.8	30.3	30.0	29.6	29.4
92.5°	22.8	24.2	25.2	26.2	27.3	28.3	28.4	28.4	28.5	28.6	28.7
95°	54.2	55.4	55.7	56.2	56.5	57.0	57.0	57.0	57.0	57.0	56.7
97.5°	91.5	92.7	93.5	94.3	95.0	95.8	95.8	95.8	95.8	95.8	95.8
100°	119.3	120.5	121.0	121.6	122.3	122.8	122.8	122.8	122.8	122.8	122.7
102.5°	147.9	149.0	149.7	150.5	151.2	152.0	152.1	152.3	152.5	152.7	152.6
105°	193.7	194.2	194.6	195.0	195.4	195.7	196.2	196.5	197.0	197.3	197.5
107.5°	243.6	244.0	244.0	244.0	244.0	244.0	244.2	244.3	244.5	244.6	244.2
110°	276.2	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.4



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.3	310.9	310.7	310.5	310.4	310.2	309.8	309.2	308.8	308.4	307.8
115°	360.7	361.1	360.7	360.3	359.9	359.5	359.4	359.1	358.9	358.7	358.3
117.5°	412.5	412.7	411.6	410.5	409.4	408.3	407.8	407.3	406.9	406.4	405.8
120°	445.9	445.9	444.3	442.7	441.2	439.6	439.6	439.6	439.6	439.6	439.3
122.5°	477.8	478.2	477.1	476.0	474.9	473.8	473.3	472.8	472.3	471.9	471.4
125°	525.0	525.7	525.0	524.4	523.9	523.3	522.6	522.1	521.5	520.8	520.5
127.5°	573.4	574.2	573.5	572.7	572.0	571.3	570.6	569.9	569.2	568.5	567.8
130°	603.9	604.9	604.5	604.1	603.8	603.3	603.0	602.5	602.2	601.7	601.2
132.5°	634.7	635.8	635.9	636.0	636.0	636.1	635.3	634.4	633.5	632.6	631.9
135°	678.8	680.1	680.5	680.8	681.3	681.6	681.4	681.3	681.1	680.8	680.5
137.5°	723.3	724.4	725.0	725.5	726.0	726.5	726.4	726.2	726.0	725.9	725.4
140°	751.1	752.4	753.4	754.4	755.5	756.4	756.4	756.4	756.4	756.4	756.0
142.5°	779.5	780.8	781.4	782.1	782.7	783.5	783.6	783.8	783.9	784.1	783.8
145°	818.9	820.2	821.4	822.5	823.8	824.9	825.1	825.3	825.5	825.7	825.5
147.5°	856.5	857.7	858.5	859.3	860.1	860.9	861.3	861.7	862.2	862.6	862.5
150°	879.5	880.5	881.3	882.1	882.9	883.7	884.2	884.8	885.5	886.0	886.0
152.5°	901.6	902.7	903.6	904.6	905.4	906.4	907.2	907.9	908.7	909.5	909.5
155°	932.3	932.9	933.5	934.1	934.7	935.2	936.3	937.3	938.3	939.2	939.4
157.5°	959.8	960.2	960.6	960.9	961.3	961.6	963.0	964.3	965.6	967.0	967.1
160°	976.9	977.2	977.4	977.6	977.8	977.9	979.2	980.3	981.5	982.8	982.9
162.5°	991.3	991.4	991.7	991.8	992.0	992.2	993.5	994.9	996.2	997.6	997.8
165°	1011.0	1010.9	1010.9	1010.9	1010.9	1010.9	1012.3	1013.7	1015.0	1016.5	1016.6
167.5°	1026.9	1026.5	1026.5	1026.4	1026.4	1026.4	1027.8	1029.1	1030.6	1031.9	1032.1
170°	1036.1	1035.7	1035.5	1035.4	1035.1	1034.9	1036.3	1037.7	1039.1	1040.4	1040.5
172.5°	1042.5	1042.1	1042.0	1041.7	1041.5	1041.3	1042.8	1044.1	1045.5	1046.9	1047.0
175°	1050.3	1049.9	1049.5	1049.1	1048.7	1048.3	1049.6	1051.1	1052.4	1053.8	1053.9
177.5°	1054.0	1053.6	1053.3	1053.0	1052.7	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331268-940
 CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	505.5	505.2	505.2	503.7	505.2	505.2	505.5	507.1	507.7	507.9	507.3
5°	469.0	468.3	467.3	468.3	467.3	468.3	469.0	471.8	473.2	474.6	475.8
7.5°	432.7	430.3	430.0	427.6	430.0	430.3	432.7	434.1	436.9	440.1	443.1
10°	406.4	404.7	404.5	400.6	404.5	404.7	406.4	409.8	412.6	416.4	420.5
12.5°	386.3	382.4	383.2	380.9	383.2	382.4	386.3	386.3	389.6	392.0	398.3
15°	351.4	351.4	350.6	347.2	350.6	351.4	351.4	357.0	357.9	361.8	367.2
17.5°	326.5	326.0	324.1	325.1	324.1	326.0	326.5	330.5	331.2	336.3	340.8
20°	311.6	310.3	307.9	307.9	307.9	310.3	311.6	313.8	316.4	319.4	323.3
22.5°	297.5	297.4	294.8	295.6	294.8	297.4	297.5	299.5	302.0	305.3	308.5
25°	281.0	279.4	278.1	278.7	278.1	279.4	281.0	281.2	284.0	286.2	288.3
27.5°	265.3	264.4	264.3	262.7	264.3	264.4	265.3	265.8	267.4	268.8	270.6
30°	256.3	254.2	254.6	253.6	254.6	254.2	256.3	256.5	257.3	258.1	260.3
32.5°	245.8	245.1	244.8	243.9	244.8	245.1	245.8	246.2	247.9	248.7	250.4
35°	231.8	231.9	231.0	231.3	231.0	231.9	231.8	232.1	232.4	233.2	234.8
37.5°	219.4	220.0	219.5	219.6	219.5	220.0	219.4	219.5	219.8	219.9	220.4
40°	211.2	211.2	211.2	211.9	211.2	211.2	211.2	210.7	210.9	210.7	210.7
42.5°	203.5	203.1	202.9	202.8	202.9	203.1	203.5	202.1	202.8	202.1	201.8
45°	190.2	190.8	191.0	190.0	191.0	190.8	190.2	189.8	189.2	189.0	188.8
47.5°	178.2	178.3	178.2	179.1	178.2	178.3	178.2	177.6	176.7	176.4	175.4
50°	169.8	169.3	169.8	169.3	169.8	169.3	169.8	168.7	168.1	167.1	166.3
52.5°	160.9	161.0	160.7	160.6	160.7	161.0	160.9	159.5	159.3	158.8	157.6
55°	146.9	147.2	147.0	147.0	147.0	147.2	146.9	146.1	145.9	144.6	143.4
57.5°	132.4	132.8	133.0	132.2	133.0	132.8	132.4	132.2	132.2	130.8	129.6
60°	122.3	123.3	123.1	122.8	123.1	123.3	122.3	122.5	122.0	121.1	120.3
62.5°	113.1	113.5	113.4	113.3	113.4	113.5	113.1	112.2	111.9	111.1	110.3
65°	98.9	99.2	98.6	99.2	98.6	99.2	98.9	98.3	96.8	96.4	95.6
67.5°	83.5	83.6	84.1	84.4	84.1	83.6	83.5	83.7	82.8	82.0	81.9
70°	73.9	73.7	74.4	75.0	74.4	73.7	73.9	73.6	72.9	72.3	71.5
72.5°	63.8	64.3	64.1	64.6	64.1	64.3	63.8	63.9	63.4	62.6	61.8
75°	49.2	49.8	49.7	50.2	49.7	49.8	49.2	49.7	49.2	48.4	47.6
77.5°	35.6	35.7	35.6	35.9	35.6	35.7	35.6	35.9	35.5	35.8	34.8
80°	27.1	26.8	26.3	27.1	26.3	26.8	27.1	27.1	26.6	27.1	26.6
82.5°	18.9	19.1	18.7	18.7	18.7	19.1	18.9	19.4	19.1	19.4	18.7
85°	8.7	8.5	8.1	8.1	8.1	8.5	8.7	8.7	9.3	8.9	8.9
87.5°	7.6	7.4	7.5	7.3	7.5	7.4	7.6	7.5	7.5	7.9	8.0
90°	29.7	29.9	30.1	30.2	30.1	29.9	29.7	29.4	29.6	30.0	30.3
92.5°	28.7	28.7	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.5	28.4
95°	56.4	56.0	55.6	55.2	55.6	56.0	56.4	56.7	57.0	57.0	57.0
97.5°	95.7	95.7	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8
100°	122.5	122.3	122.1	121.9	122.1	122.3	122.5	122.7	122.8	122.8	122.8
102.5°	152.4	152.2	152.0	151.9	152.0	152.2	152.4	152.6	152.7	152.5	152.3
105°	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.3	197.0	196.5
107.5°	243.3	242.5	241.6	240.6	241.6	242.5	243.3	244.2	244.6	244.5	244.3
110°	275.9	275.3	274.6	274.1	274.6	275.3	275.9	276.4	276.8	276.8	276.8



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	307.5	307.0	306.6	306.1	306.6	307.0	307.5	307.8	308.4	308.8	309.2
115°	357.8	357.1	356.5	356.0	356.5	357.1	357.8	358.3	358.7	358.9	359.1
117.5°	405.3	404.7	404.0	403.5	404.0	404.7	405.3	405.8	406.4	406.9	407.3
120°	438.7	438.1	437.6	436.9	437.6	438.1	438.7	439.3	439.6	439.6	439.6
122.5°	471.0	470.6	470.1	469.7	470.1	470.6	471.0	471.4	471.9	472.3	472.8
125°	520.3	520.0	519.9	519.7	519.9	520.0	520.3	520.5	520.8	521.5	522.1
127.5°	567.1	566.5	565.9	565.3	565.9	566.5	567.1	567.8	568.5	569.2	569.9
130°	600.4	599.6	598.8	598.0	598.8	599.6	600.4	601.2	601.7	602.2	602.5
132.5°	631.2	630.6	630.0	629.4	630.0	630.6	631.2	631.9	632.6	633.5	634.4
135°	679.8	679.3	678.7	678.1	678.7	679.3	679.8	680.5	680.8	681.1	681.3
137.5°	724.6	723.8	723.0	722.2	723.0	723.8	724.6	725.4	725.9	726.0	726.2
140°	755.2	754.4	753.7	752.9	753.7	754.4	755.2	756.0	756.4	756.4	756.4
142.5°	783.0	782.2	781.4	780.6	781.4	782.2	783.0	783.8	784.1	783.9	783.8
145°	824.7	823.9	823.0	822.2	823.0	823.9	824.7	825.5	825.7	825.5	825.3
147.5°	861.7	860.9	860.2	859.4	860.2	860.9	861.7	862.5	862.6	862.2	861.7
150°	885.5	884.8	884.2	883.7	884.2	884.8	885.5	886.0	886.0	885.5	884.8
152.5°	908.7	907.9	907.2	906.4	907.2	907.9	908.7	909.5	909.5	908.7	907.9
155°	938.8	938.3	937.6	937.0	937.6	938.3	938.8	939.4	939.2	938.3	937.3
157.5°	966.3	965.3	964.3	963.4	964.3	965.3	966.3	967.1	967.0	965.6	964.3
160°	982.1	981.3	980.5	979.7	980.5	981.3	982.1	982.9	982.8	981.5	980.3
162.5°	996.8	995.9	995.0	994.0	995.0	995.9	996.8	997.8	997.6	996.2	994.9
165°	1015.7	1014.7	1013.7	1012.7	1013.7	1014.7	1015.7	1016.6	1016.5	1015.0	1013.7
167.5°	1031.1	1030.0	1029.0	1028.0	1029.0	1030.0	1031.1	1032.1	1031.9	1030.6	1029.1
170°	1039.4	1038.2	1037.0	1035.8	1037.0	1038.2	1039.4	1040.5	1040.4	1039.1	1037.7
172.5°	1045.8	1044.6	1043.4	1042.2	1043.4	1044.6	1045.8	1047.0	1046.9	1045.5	1044.1
175°	1052.8	1051.5	1050.3	1049.2	1050.3	1051.5	1052.8	1053.9	1053.8	1052.4	1051.1
177.5°	1055.3	1054.3	1053.3	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1	1055.3	1054.3
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	506.5	508.3	511.0	514.0	515.8	519.2	520.1	521.7	523.2	526.6	530.1
5°	477.2	480.1	486.8	490.4	495.4	501.3	505.2	509.3	513.7	521.4	528.5
7.5°	445.9	450.6	459.0	465.7	473.0	481.3	487.4	495.4	502.1	513.0	523.3
10°	425.0	431.7	439.2	447.3	457.4	466.3	474.8	484.9	493.0	506.0	518.2
12.5°	406.2	407.2	417.9	426.9	440.7	451.7	461.5	474.6	482.5	497.9	510.7
15°	373.4	379.4	389.1	396.2	412.6	426.6	440.4	454.0	463.1	482.1	498.9
17.5°	345.6	351.2	361.2	372.8	384.6	398.5	416.3	430.7	443.1	464.8	484.7
20°	328.1	335.0	345.2	357.1	367.5	382.6	398.1	414.5	427.8	452.4	475.6
22.5°	313.3	318.7	326.9	338.7	349.9	363.8	380.7	398.6	412.6	439.1	462.6
25°	292.3	296.8	302.0	311.7	324.5	339.7	352.8	372.6	393.0	417.7	446.2
27.5°	273.4	276.6	281.2	289.8	299.7	313.9	328.5	347.1	367.7	394.6	424.7
30°	261.9	263.9	268.6	275.7	285.4	296.6	311.4	329.1	350.3	377.4	407.3
32.5°	251.9	253.7	256.8	263.5	272.0	281.5	294.8	312.6	332.7	359.4	392.6
35°	236.8	238.2	240.9	246.3	251.0	260.3	271.4	287.7	306.5	332.0	366.4
37.5°	221.8	223.7	225.3	227.7	233.6	239.8	249.4	263.1	281.6	307.4	340.2
40°	211.9	213.5	216.0	217.0	221.8	227.3	235.1	247.7	266.4	289.9	321.9
42.5°	201.8	203.5	204.9	206.1	210.3	215.1	222.2	233.0	249.5	272.3	304.1
45°	188.2	188.4	189.8	192.1	194.0	197.5	202.6	211.9	224.6	246.1	274.9
47.5°	174.3	174.6	174.8	175.8	178.0	181.1	184.5	192.1	203.5	220.6	248.6
50°	165.1	164.7	165.1	165.9	167.3	170.0	173.8	179.2	188.6	204.6	230.3
52.5°	156.1	156.1	155.9	156.1	157.3	159.1	161.8	166.5	174.8	189.5	212.1
55°	142.6	141.6	141.8	141.0	142.9	143.2	145.3	149.1	156.4	166.5	187.8
57.5°	128.1	127.3	126.4	126.2	126.0	127.1	128.7	131.7	137.3	146.2	163.5
60°	118.9	117.9	116.6	116.3	116.3	116.9	117.7	119.9	125.2	133.0	147.2
62.5°	109.5	108.3	107.6	106.6	106.2	106.8	107.6	109.2	113.1	120.5	132.7
65°	95.0	93.5	92.6	92.4	91.9	91.4	91.8	93.4	96.4	102.3	112.0
67.5°	80.4	79.1	78.9	77.7	77.1	77.2	77.1	78.5	80.3	85.4	92.6
70°	70.9	69.9	69.5	68.5	68.0	67.7	67.2	68.5	70.3	74.5	80.8
72.5°	61.2	60.3	59.5	58.6	58.7	58.2	58.1	58.9	60.4	64.3	69.2
75°	47.2	47.4	46.4	45.4	45.2	44.8	44.8	45.4	46.0	49.0	52.9
77.5°	34.2	34.1	33.3	32.9	32.7	32.3	32.7	33.1	33.4	35.5	38.3
80°	26.1	26.1	25.1	25.1	24.9	24.3	24.9	24.5	25.3	27.4	29.3
82.5°	18.6	18.4	18.3	18.0	17.9	17.5	17.7	18.2	18.5	19.9	21.1
85°	9.1	9.1	8.9	8.7	8.9	8.7	8.9	9.1	9.3	9.9	11.0
87.5°	8.1	8.3	7.7	7.0	6.1	5.4	4.8	4.5	4.4	4.0	3.7
90°	30.8	31.1	26.8	22.5	18.1	13.7	10.3	8.0	5.6	3.3	0.9
92.5°	28.4	28.3	27.3	26.2	25.2	24.2	22.8	21.0	19.4	17.6	15.9
95°	57.0	57.0	56.5	56.2	55.7	55.4	54.2	52.2	50.2	48.2	46.3
97.5°	95.8	95.8	95.0	94.3	93.5	92.7	91.5	89.8	88.0	86.3	84.5
100°	122.8	122.8	122.3	121.6	121.0	120.5	119.3	117.8	116.2	114.6	113.0
102.5°	152.1	152.0	151.2	150.5	149.7	149.0	147.9	146.7	145.4	144.2	142.9
105°	196.2	195.7	195.4	195.0	194.6	194.2	193.7	193.1	192.5	191.9	191.4
107.5°	244.2	244.0	244.0	244.0	244.0	244.0	243.6	242.7	241.8	240.9	240.0
110°	276.8	276.8	276.8	276.8	276.8	276.8	276.2	275.0	273.8	272.6	271.4



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	309.8	310.2	310.4	310.5	310.7	310.9	310.3	309.2	308.0	306.7	305.6
115°	359.4	359.5	359.9	360.3	360.7	361.1	360.7	359.5	358.3	357.1	356.0
117.5°	407.8	408.3	409.4	410.5	411.6	412.7	412.5	410.9	409.3	407.7	406.2
120°	439.6	439.6	441.2	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6
122.5°	473.3	473.8	474.9	476.0	477.1	478.2	477.8	475.9	474.0	472.1	470.2
125°	522.6	523.3	523.9	524.4	525.0	525.7	525.0	523.3	521.5	519.7	517.9
127.5°	570.6	571.3	572.0	572.7	573.5	574.2	573.4	571.1	568.9	566.6	564.4
130°	603.0	603.3	603.8	604.1	604.5	604.9	603.9	601.3	598.7	596.1	593.5
132.5°	635.3	636.1	636.0	636.0	635.9	635.8	634.7	632.6	630.5	628.4	626.3
135°	681.4	681.6	681.3	680.8	680.5	680.1	678.8	676.6	674.4	672.3	670.1
137.5°	726.4	726.5	726.0	725.5	725.0	724.4	723.3	721.5	719.7	717.9	716.2
140°	756.4	756.4	755.5	754.4	753.4	752.4	751.1	749.3	747.5	745.7	744.0
142.5°	783.6	783.5	782.7	782.1	781.4	780.8	779.5	777.8	776.0	774.2	772.4
145°	825.1	824.9	823.8	822.5	821.4	820.2	818.9	817.5	816.1	814.8	813.3
147.5°	861.3	860.9	860.1	859.3	858.5	857.7	856.5	854.8	853.2	851.5	849.8
150°	884.2	883.7	882.9	882.1	881.3	880.5	879.5	878.3	877.1	875.9	874.8
152.5°	907.2	906.4	905.4	904.6	903.6	902.7	901.6	900.4	899.2	898.0	896.8
155°	936.3	935.2	934.7	934.1	933.5	932.9	932.3	931.7	931.1	930.5	930.0
157.5°	963.0	961.6	961.3	960.9	960.6	960.2	959.8	959.4	959.0	958.6	958.2
160°	979.2	977.9	977.8	977.6	977.4	977.2	976.9	976.5	976.1	975.7	975.4
162.5°	993.5	992.2	992.0	991.8	991.7	991.4	991.3	991.2	991.1	991.0	991.0
165°	1012.3	1010.9	1010.9	1010.9	1010.9	1010.9	1011.0	1011.2	1011.4	1011.6	1011.8
167.5°	1027.8	1026.4	1026.4	1026.4	1026.5	1026.5	1026.9	1027.4	1028.1	1028.7	1029.2
170°	1036.3	1034.9	1035.1	1035.4	1035.5	1035.7	1036.1	1036.7	1037.3	1037.9	1038.5
172.5°	1042.8	1041.3	1041.5	1041.7	1042.0	1042.1	1042.5	1043.1	1043.7	1044.3	1044.9
175°	1049.6	1048.3	1048.7	1049.1	1049.5	1049.9	1050.3	1051.0	1051.5	1052.1	1052.8
177.5°	1053.3	1052.4	1052.7	1053.0	1053.3	1053.6	1054.0	1054.5	1055.0	1055.4	1056.0
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	529.9	530.7	533.2	535.8	538.8	539.6	540.8	539.8	539.4	542.4	544.7
5°	531.4	534.9	542.1	548.6	554.0	557.9	562.0	563.6	566.6	570.8	576.1
7.5°	529.6	536.7	547.9	557.3	567.6	575.0	580.8	585.8	591.7	599.8	608.6
10°	527.7	537.2	550.8	562.3	574.9	584.4	592.3	600.0	608.9	620.1	631.6
12.5°	524.1	535.4	552.4	566.1	582.2	591.6	602.2	618.8	628.4	643.9	660.1
15°	516.9	529.5	553.2	570.0	588.3	606.1	625.7	641.5	657.3	666.5	689.3
17.5°	506.3	524.7	551.0	570.6	593.8	621.8	643.9	661.8	680.0	694.8	706.3
20°	497.7	517.7	547.8	571.2	598.8	628.9	654.2	672.5	688.3	700.7	707.8
22.5°	486.9	512.1	541.3	568.8	604.0	633.8	660.4	674.8	688.0	694.0	696.8
25°	469.8	500.2	533.2	566.8	606.5	638.1	662.4	671.1	674.9	669.1	659.3
27.5°	451.3	485.2	523.8	562.9	604.9	635.3	652.7	651.4	644.9	625.8	610.6
30°	437.6	474.8	516.3	559.1	601.2	630.8	640.9	630.8	616.0	594.8	573.0
32.5°	423.1	461.7	508.4	553.6	594.4	620.5	622.6	605.2	582.3	558.1	531.1
35°	401.3	443.0	493.5	541.3	580.0	596.4	586.7	555.8	528.7	495.7	458.8
37.5°	376.6	422.7	473.2	523.3	558.3	562.6	538.4	506.0	467.7	428.9	385.5
40°	358.1	407.0	459.1	509.4	540.5	536.0	505.2	469.6	424.0	376.6	336.3
42.5°	341.6	390.4	443.4	492.9	517.7	505.5	469.6	425.8	376.8	332.2	295.2
45°	313.0	363.2	417.5	465.3	479.5	457.4	409.8	361.1	313.0	275.7	246.6
47.5°	285.2	334.8	388.6	430.6	435.6	405.9	353.9	303.9	262.4	232.1	211.5
50°	264.7	314.6	367.8	405.4	403.7	367.8	314.4	266.8	232.1	207.6	193.9
52.5°	246.5	293.6	344.6	378.8	370.1	331.1	280.0	237.7	209.3	190.1	177.6
55°	217.9	261.5	310.1	337.5	321.6	278.3	235.1	201.2	180.0	165.7	156.0
57.5°	189.7	230.5	272.2	289.0	271.5	231.5	195.6	170.9	155.0	144.4	138.0
60°	172.2	207.9	244.9	259.5	238.6	203.0	174.6	152.6	139.7	131.1	125.4
62.5°	154.7	186.6	221.6	229.5	210.4	180.3	155.2	136.8	126.4	118.6	113.2
65°	130.8	157.0	183.5	188.8	171.2	147.8	128.0	116.1	106.7	101.1	96.8
67.5°	107.4	128.3	147.1	151.3	135.9	119.8	105.4	95.0	88.7	84.0	80.3
70°	93.4	110.0	125.4	128.9	116.5	102.1	91.1	82.8	77.1	73.1	69.6
72.5°	78.6	92.5	105.3	107.6	97.6	86.5	77.6	71.0	66.0	63.4	60.1
75°	60.2	68.3	78.2	78.8	72.1	65.5	58.6	54.3	51.6	48.4	46.8
77.5°	42.4	48.8	54.5	55.6	51.6	47.1	43.2	39.9	37.6	36.1	34.6
80°	32.4	37.5	39.9	41.3	38.5	35.2	33.0	30.8	29.3	28.4	27.4
82.5°	23.2	26.3	28.5	29.7	28.1	26.1	24.0	22.6	21.6	20.8	20.4
85°	11.8	13.2	14.6	15.0	14.6	13.7	12.6	12.6	11.9	11.8	11.8
87.5°	4.7	5.8	6.3	7.2	7.6	8.5	9.4	10.1	10.8	10.5	10.3
90°	3.3	5.6	8.0	10.3	13.7	18.1	22.5	26.8	31.1	30.8	30.3
92.5°	17.6	19.4	21.0	22.8	24.2	25.2	26.2	27.3	28.3	28.4	28.4
95°	48.2	50.2	52.2	54.2	55.4	55.7	56.2	56.5	57.0	57.0	57.0
97.5°	86.3	88.0	89.8	91.5	92.7	93.5	94.3	95.0	95.8	95.8	95.8
100°	114.6	116.2	117.8	119.3	120.5	121.0	121.6	122.3	122.8	122.8	122.8
102.5°	144.2	145.4	146.7	147.9	149.0	149.7	150.5	151.2	152.0	152.1	152.3
105°	191.9	192.5	193.1	193.7	194.2	194.6	195.0	195.4	195.7	196.2	196.5
107.5°	240.9	241.8	242.7	243.6	244.0	244.0	244.0	244.0	244.0	244.2	244.3
110°	272.6	273.8	275.0	276.2	276.8	276.8	276.8	276.8	276.8	276.8	276.8



TEST NUMBER: P331268-940

CATALOG NUMBER: SA2XXDIP-C290D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.7	308.0	309.2	310.3	310.9	310.7	310.5	310.4	310.2	309.8	309.2
115°	357.1	358.3	359.5	360.7	361.1	360.7	360.3	359.9	359.5	359.4	359.1
117.5°	407.7	409.3	410.9	412.5	412.7	411.6	410.5	409.4	408.3	407.8	407.3
120°	441.2	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6	439.6	439.6
122.5°	472.1	474.0	475.9	477.8	478.2	477.1	476.0	474.9	473.8	473.3	472.8
125°	519.7	521.5	523.3	525.0	525.7	525.0	524.4	523.9	523.3	522.6	522.1
127.5°	566.6	568.9	571.1	573.4	574.2	573.5	572.7	572.0	571.3	570.6	569.9
130°	596.1	598.7	601.3	603.9	604.9	604.5	604.1	603.8	603.3	603.0	602.5
132.5°	628.4	630.5	632.6	634.7	635.8	635.9	636.0	636.0	636.1	635.3	634.4
135°	672.3	674.4	676.6	678.8	680.1	680.5	680.8	681.3	681.6	681.4	681.3
137.5°	717.9	719.7	721.5	723.3	724.4	725.0	725.5	726.0	726.5	726.4	726.2
140°	745.7	747.5	749.3	751.1	752.4	753.4	754.4	755.5	756.4	756.4	756.4
142.5°	774.2	776.0	777.8	779.5	780.8	781.4	782.1	782.7	783.5	783.6	783.8
145°	814.8	816.1	817.5	818.9	820.2	821.4	822.5	823.8	824.9	825.1	825.3
147.5°	851.5	853.2	854.8	856.5	857.7	858.5	859.3	860.1	860.9	861.3	861.7
150°	875.9	877.1	878.3	879.5	880.5	881.3	882.1	882.9	883.7	884.2	884.8
152.5°	898.0	899.2	900.4	901.6	902.7	903.6	904.6	905.4	906.4	907.2	907.9
155°	930.5	931.1	931.7	932.3	932.9	933.5	934.1	934.7	935.2	936.3	937.3
157.5°	958.6	959.0	959.4	959.8	960.2	960.6	960.9	961.3	961.6	963.0	964.3
160°	975.7	976.1	976.5	976.9	977.2	977.4	977.6	977.8	977.9	979.2	980.3
162.5°	991.0	991.1	991.2	991.3	991.4	991.7	991.8	992.0	992.2	993.5	994.9
165°	1011.6	1011.4	1011.2	1011.0	1010.9	1010.9	1010.9	1010.9	1010.9	1012.3	1013.7
167.5°	1028.7	1028.1	1027.4	1026.9	1026.5	1026.5	1026.4	1026.4	1026.4	1027.8	1029.1
170°	1037.9	1037.3	1036.7	1036.1	1035.7	1035.5	1035.4	1035.1	1034.9	1036.3	1037.7
172.5°	1044.3	1043.7	1043.1	1042.5	1042.1	1042.0	1041.7	1041.5	1041.3	1042.8	1044.1
175°	1052.1	1051.5	1051.0	1050.3	1049.9	1049.5	1049.1	1048.7	1048.3	1049.6	1051.1
177.5°	1055.4	1055.0	1054.5	1054.0	1053.6	1053.3	1053.0	1052.7	1052.4	1053.3	1054.3
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	546.7	548.9	548.9	549.3	551.9	551.5	551.3
5°	581.8	585.2	585.6	589.2	591.7	590.8	588.6
7.5°	614.8	621.3	626.2	628.8	632.0	634.0	633.1
10°	641.1	650.4	656.1	660.0	664.6	668.1	666.8
12.5°	664.9	676.0	683.9	690.5	691.0	695.4	692.4
15°	702.1	713.8	715.1	719.9	723.8	723.4	723.5
17.5°	714.3	718.1	718.9	719.0	719.1	717.6	714.5
20°	710.0	708.6	705.2	702.5	697.9	697.2	693.2
22.5°	689.2	684.7	676.1	670.4	663.2	661.3	660.1
25°	648.5	638.5	624.7	611.5	607.9	600.8	602.8
27.5°	592.4	576.9	562.0	551.3	541.6	531.0	534.0
30°	553.0	535.6	514.5	498.3	487.9	477.9	476.0
32.5°	506.0	480.5	457.0	442.7	426.9	420.4	413.5
35°	425.0	400.0	376.7	356.7	345.2	336.3	328.1
37.5°	352.1	323.4	304.6	288.4	280.0	274.9	276.3
40°	306.9	281.8	268.0	255.7	247.9	244.3	245.1
42.5°	270.3	251.5	240.1	231.7	226.2	224.2	223.7
45°	228.7	218.2	208.8	204.0	201.3	199.1	197.7
47.5°	200.4	191.7	186.5	183.6	181.3	179.1	179.0
50°	183.3	177.6	174.0	170.9	169.2	167.6	169.0
52.5°	170.3	165.1	161.5	158.8	158.1	156.7	156.6
55°	151.1	147.0	144.5	142.0	140.8	140.0	138.9
57.5°	133.6	129.7	127.3	125.8	123.5	122.7	122.3
60°	121.1	118.1	115.7	113.6	112.6	111.0	111.0
62.5°	109.6	106.6	104.3	102.8	101.1	100.5	100.7
65°	93.0	90.5	88.3	86.7	86.3	85.1	85.5
67.5°	77.7	76.1	73.7	72.8	72.1	71.4	70.9
70°	67.4	65.8	64.6	63.4	62.8	62.8	62.8
72.5°	58.9	56.9	56.2	54.7	55.0	54.4	53.7
75°	45.6	44.3	43.8	43.2	42.2	42.2	42.2
77.5°	33.5	33.2	32.5	31.8	31.6	31.4	31.5
80°	25.9	25.7	25.3	25.3	24.9	24.7	24.3
82.5°	20.0	19.4	19.2	19.0	18.9	18.9	18.8
85°	11.3	11.0	11.0	11.1	10.7	10.7	11.0
87.5°	10.3	10.3	10.1	10.2	10.3	10.3	10.3
90°	30.0	29.6	29.4	29.7	29.9	30.1	30.2
92.5°	28.5	28.6	28.7	28.7	28.7	28.8	28.8
95°	57.0	57.0	56.7	56.4	56.0	55.6	55.2
97.5°	95.8	95.8	95.8	95.7	95.7	95.6	95.6
100°	122.8	122.8	122.7	122.5	122.3	122.1	121.9
102.5°	152.5	152.7	152.6	152.4	152.2	152.0	151.9
105°	197.0	197.3	197.5	197.5	197.5	197.5	197.5
107.5°	244.5	244.6	244.2	243.3	242.5	241.6	240.6
110°	276.8	276.8	276.4	275.9	275.3	274.6	274.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	308.8	308.4	307.8	307.5	307.0	306.6	306.1
115°	358.9	358.7	358.3	357.8	357.1	356.5	356.0
117.5°	406.9	406.4	405.8	405.3	404.7	404.0	403.5
120°	439.6	439.6	439.3	438.7	438.1	437.6	436.9
122.5°	472.3	471.9	471.4	471.0	470.6	470.1	469.7
125°	521.5	520.8	520.5	520.3	520.0	519.9	519.7
127.5°	569.2	568.5	567.8	567.1	566.5	565.9	565.3
130°	602.2	601.7	601.2	600.4	599.6	598.8	598.0
132.5°	633.5	632.6	631.9	631.2	630.6	630.0	629.4
135°	681.1	680.8	680.5	679.8	679.3	678.7	678.1
137.5°	726.0	725.9	725.4	724.6	723.8	723.0	722.2
140°	756.4	756.4	756.0	755.2	754.4	753.7	752.9
142.5°	783.9	784.1	783.8	783.0	782.2	781.4	780.6
145°	825.5	825.7	825.5	824.7	823.9	823.0	822.2
147.5°	862.2	862.6	862.5	861.7	860.9	860.2	859.4
150°	885.5	886.0	886.0	885.5	884.8	884.2	883.7
152.5°	908.7	909.5	909.5	908.7	907.9	907.2	906.4
155°	938.3	939.2	939.4	938.8	938.3	937.6	937.0
157.5°	965.6	967.0	967.1	966.3	965.3	964.3	963.4
160°	981.5	982.8	982.9	982.1	981.3	980.5	979.7
162.5°	996.2	997.6	997.8	996.8	995.9	995.0	994.0
165°	1015.0	1016.5	1016.6	1015.7	1014.7	1013.7	1012.7
167.5°	1030.6	1031.9	1032.1	1031.1	1030.0	1029.0	1028.0
170°	1039.1	1040.4	1040.5	1039.4	1038.2	1037.0	1035.8
172.5°	1045.5	1046.9	1047.0	1045.8	1044.6	1043.4	1042.2
175°	1052.4	1053.8	1053.9	1052.8	1051.5	1050.3	1049.2
177.5°	1055.3	1056.1	1056.1	1055.3	1054.3	1053.3	1052.4
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5

(END OF REPORT)