

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: P331269-927

Luminaire Tested: **SA2XXDIP-C290D925U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331269-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

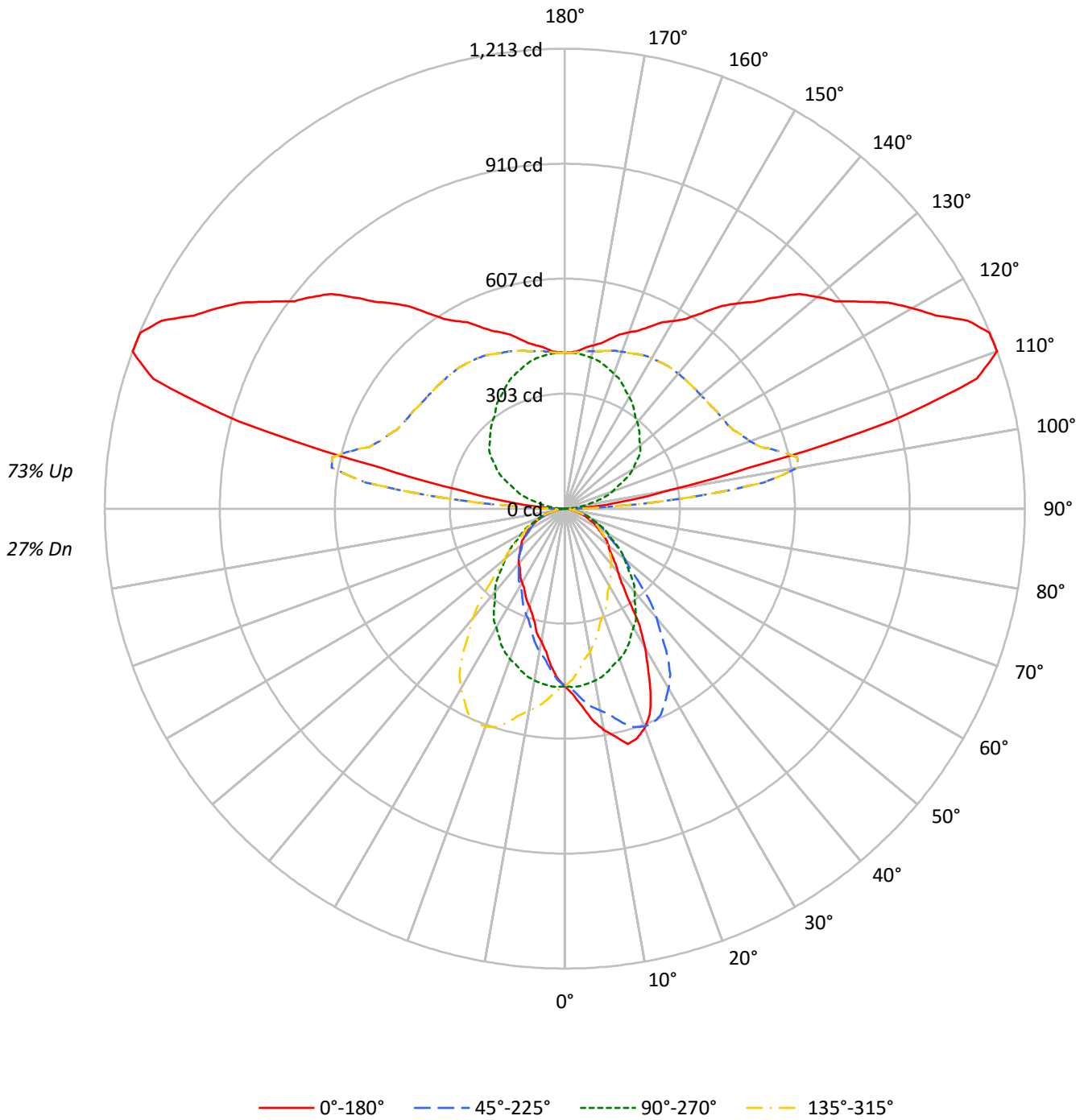
Lumens per Lamp: N/A
Luminaire Lumens: 3897.6 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27				
1	93	89	85	82	83	79	76	74	62	60	58	46	45	43	31	30	30	23				
2	85	78	72	67	75	70	65	61	54	51	48	40	38	37	27	26	25	20				
3	77	68	62	56	69	61	56	51	48	44	41	36	33	31	25	23	22	17				
4	71	61	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19	15				
5	65	54	46	41	58	49	42	37	38	34	30	29	26	23	20	18	17	13				
6	60	48	41	35	53	44	37	32	35	30	26	26	23	20	18	16	15	11				
7	55	44	36	31	49	39	33	28	31	27	23	24	21	18	17	15	13	10				
8	51	39	32	27	46	36	29	25	28	24	20	22	19	16	15	13	12	9				
9	48	36	29	24	42	33	26	22	26	21	18	20	17	14	14	12	11	8				
10	44	33	26	21	40	30	24	20	24	19	16	18	15	13	13	11	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7561	7561	7561	7561
5°	8475	7609	6744	7609
10°	9712	7547	5835	7547
15°	10745	7408	5157	7408
20°	10581	7261	4699	7261
25°	9540	7062	4411	7062
30°	7884	6747	4200	6747
35°	5746	6416	4050	6416
40°	4591	6028	3967	6028
45°	4010	5576	3854	5576
50°	3770	5139	3778	5139
55°	3474	4695	3676	4695
60°	3184	4224	3523	4224
65°	2904	3801	3370	3801
70°	2634	3389	3144	3389
75°	2339	2932	2782	2932
80°	2008	2427	2241	2427
85°	1797	1797	1334	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.1
10°-20°	129.6	3.3
20°-30°	188.1	4.8
30°-40°	198.5	5.1
40°-50°	175.8	4.5
50°-60°	140.3	3.6
60°-70°	95.4	2.4
70°-80°	48.9	1.3
80°-90°	15.5	0.4
90°-100°	164.4	4.2
100°-110°	557.8	14.3
110°-120°	592.6	15.2
120°-130°	487.8	12.5
130°-140°	391.8	10.1
140°-150°	296.0	7.6
150°-160°	208.1	5.3
160°-170°	122.5	3.1
170°-180°	39.9	1.0
0°-30°	362.4	9.3
0°-40°	560.9	14.4
0°-60°	877.0	22.5
0°-90°	1036.7	26.6
90°-120°	1314.8	33.7
90°-150°	2490.5	63.9
90°-180°	2861.0	73.4
0°-180°	3897.6	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°	26	1	26	1	26	14
95°	90	28	90	28	90	117
105°	891	96	891	96	891	862
115°	1172	170	1172	170	1172	1148
125°	951	237	951	237	951	859
135°	788	278	788	278	788	612
145°	629	318	629	318	629	400
155°	529	361	529	361	529	247
165°	464	394	464	394	464	133
175°	418	410	418	410	418	41
180°	411	411	411	411	411	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	489.8	490.0	490.3	488.0	487.7	487.7	485.7	483.9	481.9	479.2	479.5
5°	522.9	524.9	525.6	523.5	520.2	519.9	516.8	511.8	507.1	503.4	500.7
7.5°	562.4	563.2	561.5	558.6	556.3	551.9	546.2	540.7	532.8	525.7	520.4
10°	592.4	593.5	590.4	586.3	582.9	577.8	569.6	561.1	550.9	541.0	533.1
12.5°	615.1	617.8	613.9	613.4	607.5	600.6	590.7	586.5	572.0	558.3	549.7
15°	642.8	642.6	643.0	639.5	635.3	634.1	623.8	612.4	592.1	583.9	569.9
17.5°	634.8	637.5	638.8	638.7	638.7	637.9	634.6	627.5	617.3	604.1	588.0
20°	615.8	619.4	620.0	624.1	626.5	629.5	630.7	628.8	622.5	611.5	597.5
22.5°	586.5	587.5	589.1	595.6	600.6	608.3	612.3	619.0	616.6	611.2	599.4
25°	535.5	533.8	540.0	543.3	555.0	567.2	576.1	585.7	594.4	599.6	596.2
27.5°	474.4	471.7	481.2	489.8	499.2	512.5	526.2	542.5	556.0	572.9	578.7
30°	422.9	424.5	433.5	442.7	457.1	475.8	491.3	509.1	528.4	547.2	560.4
32.5°	367.3	373.5	379.2	393.3	406.0	426.8	449.6	471.8	495.8	517.3	537.7
35°	291.5	298.7	306.7	316.9	334.7	355.4	377.6	407.6	440.4	469.7	493.8
37.5°	245.4	244.2	248.7	256.2	270.6	287.3	312.8	342.5	381.0	415.5	449.6
40°	217.8	217.1	220.2	227.1	238.1	250.3	272.7	298.7	334.5	376.7	417.2
42.5°	198.8	199.2	201.0	205.8	213.3	223.4	240.1	262.3	295.1	334.8	378.3
45°	175.6	176.9	178.9	181.3	185.5	193.8	203.2	219.0	244.9	278.1	320.8
47.5°	159.0	159.1	161.1	163.1	165.6	170.3	178.0	187.9	206.2	233.1	270.0
50°	150.1	148.9	150.3	151.9	154.6	157.8	162.9	172.2	184.4	206.2	237.0
52.5°	139.1	139.2	140.5	141.1	143.5	146.7	151.3	157.8	168.9	185.9	211.2
55°	123.4	124.4	125.1	126.1	128.3	130.6	134.3	138.6	147.2	159.9	178.7
57.5°	108.7	109.0	109.7	111.8	113.1	115.3	118.7	122.6	128.3	137.7	151.8
60°	98.6	98.6	100.1	100.9	102.7	104.9	107.6	111.4	116.5	124.1	135.5
62.5°	89.4	89.3	89.8	91.3	92.7	94.7	97.4	100.6	105.4	112.3	121.5
65°	76.0	75.6	76.7	77.0	78.4	80.4	82.6	86.0	89.8	94.8	103.1
67.5°	63.0	63.5	64.0	64.6	65.4	67.6	69.0	71.4	74.6	78.8	84.4
70°	55.8	55.8	55.8	56.3	57.4	58.5	59.9	61.9	65.0	68.5	73.6
72.5°	47.7	48.3	48.9	48.6	49.9	50.5	52.3	53.4	56.3	58.6	63.1
75°	37.5	37.5	37.5	38.3	38.9	39.4	40.5	41.6	43.0	45.9	48.2
77.5°	28.0	27.9	28.0	28.3	28.8	29.5	29.8	30.7	32.1	33.4	35.4
80°	21.6	21.9	22.1	22.5	22.5	22.8	23.1	24.3	25.2	26.1	27.3
82.5°	16.7	16.8	16.8	16.9	17.0	17.3	17.7	18.1	18.5	19.2	20.1
85°	9.7	9.5	9.5	9.9	9.7	9.7	10.1	10.5	10.5	10.6	11.2
87.5°	9.0	9.0	9.1	9.0	9.0	9.0	8.6	8.8	9.1	9.4	9.4
90°	26.1	26.1	26.1	26.1	26.1	25.3	23.7	25.3	26.1	26.9	26.1
92.5°	43.8	45.1	44.4	47.0	47.6	52.5	59.2	68.9	86.8	102.7	101.3
95°	90.2	89.4	91.7	98.1	108.3	125.7	158.9	207.2	271.2	309.9	274.3
97.5°	177.4	184.0	195.6	215.1	252.9	309.9	395.5	483.4	555.0	529.1	398.5
100°	283.0	297.3	320.2	354.2	419.9	515.5	623.8	721.8	738.5	624.6	430.1
102.5°	498.1	517.4	546.0	604.0	675.3	776.7	856.0	878.1	806.8	627.7	418.1
105°	891.0	902.1	936.1	985.1	1034.1	1060.3	1050.0	960.6	796.1	585.8	394.5
107.5°	1138.2	1152.9	1159.7	1162.4	1156.2	1117.9	1035.7	901.2	726.7	541.0	382.8
110°	1212.8	1213.6	1206.5	1191.4	1157.5	1092.7	991.4	849.9	683.1	519.4	380.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1211.6	1207.3	1193.8	1168.7	1121.4	1047.1	939.0	803.1	652.8	505.5	380.9
115°	1172.5	1165.4	1144.8	1108.4	1052.3	970.9	867.3	745.5	615.1	490.2	384.2
117.5°	1102.7	1096.8	1075.1	1036.6	979.5	903.0	809.1	702.2	591.4	482.8	389.9
120°	1057.9	1050.0	1027.0	989.8	934.5	862.5	778.8	680.7	578.8	478.3	393.7
122.5°	1011.1	1004.4	984.0	947.5	897.9	832.8	753.4	663.6	568.0	475.8	398.2
125°	951.1	944.8	925.0	895.0	849.1	789.8	720.3	638.8	552.6	471.2	404.8
127.5°	898.7	893.6	876.5	848.3	808.3	753.6	688.0	614.3	538.4	468.5	411.6
130°	868.9	862.5	846.8	819.9	781.2	729.0	666.5	598.5	528.9	467.2	416.7
132.5°	837.9	832.2	817.7	790.8	752.7	703.6	646.3	583.3	521.3	466.6	421.7
135°	788.2	785.1	770.9	744.7	710.7	666.5	614.3	562.1	510.7	465.6	427.7
137.5°	739.6	734.8	722.3	699.9	668.8	630.3	588.8	545.2	503.3	465.5	433.1
140°	706.0	701.3	689.4	668.8	643.6	608.8	572.4	534.5	498.9	464.9	435.6
142.5°	672.5	671.5	661.0	642.3	618.3	589.1	557.9	525.6	494.5	464.9	437.5
145°	629.3	626.9	619.1	605.6	586.6	563.7	539.2	513.1	488.6	463.3	439.6
147.5°	593.1	591.7	586.3	575.6	559.9	543.1	524.0	503.4	482.6	460.5	440.2
150°	571.6	570.8	566.1	556.6	544.7	530.5	513.9	496.5	477.5	458.6	439.6
152.5°	553.3	553.1	549.6	541.4	532.1	519.8	505.6	489.6	473.1	455.4	438.3
155°	528.9	530.5	527.4	521.8	513.1	504.4	492.6	479.9	464.9	449.9	436.4
157.5°	508.2	508.2	506.8	502.2	496.1	489.3	479.3	468.7	457.2	444.2	432.8
160°	495.0	495.0	494.2	490.2	484.7	479.1	470.4	461.7	451.5	440.4	430.9
162.5°	482.3	482.9	482.1	479.4	473.9	469.6	462.2	454.8	446.4	437.2	429.0
165°	464.1	464.9	464.9	461.7	458.6	455.4	449.9	444.3	438.0	430.9	425.3
167.5°	447.3	448.3	448.5	446.7	445.3	442.4	438.6	434.4	429.8	425.3	421.7
170°	437.2	438.8	439.6	437.2	436.4	434.8	431.7	429.3	425.3	422.2	419.9
172.5°	429.0	429.9	430.7	429.6	428.8	427.9	425.3	423.6	421.0	418.4	417.3
175°	418.3	419.9	420.6	419.9	419.9	419.1	418.3	417.5	415.1	414.3	413.5
177.5°	411.8	413.0	413.7	413.7	413.7	413.7	413.0	413.0	411.8	411.1	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	480.5	479.3	478.6	476.0	473.7	471.4	470.7	471.0	467.8	464.8	463.5
5°	499.2	495.6	492.2	487.4	481.6	475.2	472.1	469.5	463.2	456.4	452.4
7.5°	515.9	510.8	504.2	495.1	486.7	476.8	470.5	464.9	455.7	446.1	440.1
10°	526.2	519.2	510.7	499.6	489.3	477.2	468.8	460.3	449.6	438.0	430.8
12.5°	535.0	525.5	517.2	502.9	490.8	475.6	465.6	453.7	442.4	428.6	421.6
15°	555.9	538.4	522.6	506.4	491.5	470.4	459.2	443.2	428.3	411.4	403.3
17.5°	572.0	552.4	527.5	506.9	489.5	466.1	449.8	430.6	413.0	393.6	382.6
20°	581.2	558.7	532.0	507.5	486.6	459.9	442.1	422.6	401.9	380.1	368.2
22.5°	586.7	563.1	536.5	505.3	480.9	455.0	432.5	411.0	390.1	366.5	354.1
25°	588.4	566.9	538.8	503.5	473.6	444.3	417.3	396.4	371.1	349.1	331.0
27.5°	579.9	564.4	537.4	500.1	465.3	431.0	400.9	377.3	350.5	326.7	308.4
30°	569.3	560.4	534.1	496.7	458.7	421.8	388.7	361.9	335.3	311.2	292.4
32.5°	553.1	551.2	528.1	491.8	451.6	410.2	375.9	348.8	319.2	295.6	277.7
35°	521.2	529.8	515.2	480.9	438.4	393.6	356.5	325.5	294.9	272.3	255.6
37.5°	478.3	499.8	496.0	464.9	420.4	375.5	334.5	302.2	273.1	250.2	233.8
40°	448.8	476.2	480.1	452.6	407.8	361.6	318.1	286.0	257.5	236.6	220.1
42.5°	417.2	449.1	459.9	437.9	394.0	346.8	303.5	270.1	241.9	221.7	207.0
45°	364.1	406.3	426.0	413.4	370.9	322.7	278.1	244.2	218.6	199.6	188.2
47.5°	314.4	360.6	387.0	382.5	345.2	297.5	253.3	220.9	196.0	180.8	170.6
50°	279.3	326.8	358.6	360.1	326.8	279.5	235.2	204.6	181.7	167.5	159.2
52.5°	248.7	294.1	328.8	336.5	306.2	260.8	219.0	188.5	168.3	155.3	147.9
55°	208.9	247.2	285.7	299.8	275.5	232.3	193.6	166.8	147.9	138.9	132.5
57.5°	173.7	205.7	241.2	256.7	241.8	204.8	168.5	145.2	129.9	122.0	117.0
60°	155.1	180.3	212.0	230.5	217.5	184.7	153.0	130.8	118.2	111.2	106.5
62.5°	137.8	160.2	187.0	203.9	196.9	165.8	137.4	117.9	107.0	100.4	97.0
65°	113.8	131.3	152.1	167.7	163.0	139.5	116.2	99.5	90.9	85.6	82.9
67.5°	93.6	106.4	120.7	134.4	130.7	114.0	95.4	82.3	75.9	71.4	69.7
70°	81.0	90.7	103.5	114.5	111.4	97.8	82.9	71.8	66.2	62.4	60.8
72.5°	68.9	76.8	86.7	95.6	93.6	82.1	69.9	61.5	57.1	53.6	52.4
75°	52.0	58.1	64.1	70.0	69.5	60.7	53.5	47.0	43.6	40.9	40.3
77.5°	38.4	41.8	45.9	49.4	48.4	43.3	37.7	34.0	31.5	29.7	29.4
80°	29.3	31.3	34.2	36.7	35.5	33.3	28.8	26.1	24.3	22.5	21.8
82.5°	21.3	23.2	25.0	26.4	25.3	23.4	20.6	18.8	17.7	16.5	16.2
85°	11.2	12.2	13.0	13.3	13.0	11.7	10.5	9.7	8.8	8.2	8.1
87.5°	8.6	7.4	6.7	6.5	5.8	5.5	4.2	3.3	3.6	4.1	4.2
90°	21.3	15.8	11.9	9.5	7.9	6.3	3.2	0.8	3.2	6.3	7.9
92.5°	78.9	53.8	35.9	28.4	23.1	19.6	13.9	9.7	13.9	19.6	23.1
95°	182.6	113.8	77.5	58.5	45.9	38.7	30.8	27.6	30.8	38.7	45.9
97.5°	246.1	150.2	104.5	83.0	68.4	57.8	49.4	45.1	49.4	57.8	68.4
100°	259.4	162.9	121.0	98.9	83.0	70.3	63.2	60.8	63.2	70.3	83.0
102.5°	260.0	174.3	135.5	113.4	97.0	84.3	77.2	75.4	77.2	84.3	97.0
105°	264.0	193.7	156.5	134.4	117.0	105.1	99.7	96.5	99.7	105.1	117.0
107.5°	275.0	213.7	177.6	155.3	138.1	127.1	121.8	119.2	121.8	127.1	138.1
110°	283.8	226.9	192.1	169.2	152.6	142.3	137.6	134.4	137.6	142.3	152.6



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	293.3	239.6	206.0	182.4	166.5	156.9	151.5	148.3	151.5	156.9	166.5
115°	307.5	259.4	225.3	204.0	188.1	178.7	174.0	170.0	174.0	178.7	188.1
117.5°	322.7	277.5	246.1	223.9	208.7	200.3	195.6	192.4	195.6	200.3	208.7
120°	332.9	290.2	259.4	237.2	221.3	214.3	209.5	206.4	209.5	214.3	221.3
122.5°	341.7	302.1	273.2	250.5	234.6	226.9	222.1	219.7	222.1	226.9	234.6
125°	355.8	320.2	291.8	269.6	253.8	244.3	239.6	237.2	239.6	244.3	253.8
127.5°	368.9	337.0	309.3	286.5	271.3	260.9	254.3	251.1	254.3	260.9	271.3
130°	377.2	347.1	319.4	297.3	281.5	270.4	262.4	259.4	262.4	270.4	281.5
132.5°	385.3	355.9	329.5	307.4	291.0	279.2	270.7	266.9	270.7	279.2	291.0
135°	396.1	368.4	343.1	321.0	302.8	291.0	281.5	278.3	281.5	291.0	302.8
137.5°	404.3	378.6	353.6	333.0	315.0	302.3	292.9	289.1	292.9	302.3	315.0
140°	408.8	384.2	360.5	340.0	322.6	309.9	300.5	297.3	300.5	309.9	322.6
142.5°	412.6	388.6	365.6	346.3	329.5	316.9	308.0	305.5	308.0	316.9	329.5
145°	417.5	395.3	374.0	356.6	340.8	328.9	321.0	317.8	321.0	328.9	340.8
147.5°	420.2	400.7	380.6	365.1	352.0	341.0	333.5	331.1	333.5	341.0	352.0
150°	421.4	403.2	385.0	370.8	358.9	348.6	342.3	340.0	342.3	348.6	358.9
152.5°	422.0	405.8	389.4	376.5	365.3	356.2	349.9	348.8	349.9	356.2	365.3
155°	422.9	409.6	396.1	384.2	375.6	366.9	362.1	361.3	362.1	366.9	375.6
157.5°	422.9	412.3	400.8	390.9	383.9	376.4	372.6	371.8	372.6	376.4	383.9
160°	422.9	413.5	404.0	395.3	389.0	382.6	379.5	378.7	379.5	382.6	389.0
162.5°	422.3	414.2	405.9	399.1	393.4	388.3	385.2	385.6	385.2	388.3	393.4
165°	420.6	415.1	408.0	403.2	399.3	394.5	392.9	393.7	392.9	394.5	399.3
167.5°	419.5	414.9	409.7	406.7	403.9	400.8	399.4	400.4	399.4	400.8	403.9
170°	418.3	414.3	410.4	408.0	406.4	404.0	403.2	404.8	403.2	404.0	406.4
172.5°	416.4	413.7	411.0	409.2	408.3	405.9	406.4	407.3	406.4	405.9	408.3
175°	414.3	412.7	411.1	410.4	410.4	408.8	409.6	410.4	409.6	408.8	410.4
177.5°	413.0	411.8	411.1	411.1	411.1	409.9	410.5	411.8	410.5	409.9	411.1
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	462.1	461.2	458.2	456.6	454.0	451.5	450.0	450.7	451.2	451.0	450.5
5°	448.8	445.4	440.1	435.7	432.5	426.5	424.0	422.7	421.6	420.4	419.1
7.5°	433.0	427.6	420.2	413.8	407.7	400.3	396.1	393.6	391.0	388.2	385.6
10°	421.8	414.2	406.3	397.4	390.1	383.5	377.6	373.6	369.9	366.5	364.1
12.5°	410.0	401.3	391.5	379.2	371.3	361.7	360.8	353.9	348.2	346.1	343.2
15°	391.3	379.0	366.5	352.0	345.7	337.1	331.7	326.2	321.4	318.0	317.1
17.5°	369.9	354.0	341.7	331.2	320.9	312.0	307.0	302.8	298.7	294.2	293.6
20°	353.6	339.9	326.5	317.3	306.7	297.6	291.5	287.2	283.8	281.1	278.8
22.5°	338.2	323.2	310.9	300.9	290.4	283.1	278.3	274.1	271.2	268.3	266.1
25°	313.5	301.8	288.3	276.9	268.3	263.6	259.7	256.1	254.3	252.3	249.8
27.5°	291.8	278.8	266.3	257.5	249.9	245.7	242.9	240.4	238.8	237.6	236.1
30°	276.6	263.5	253.6	244.9	238.6	234.5	232.7	231.2	229.3	228.5	227.8
32.5°	261.9	250.1	241.6	234.1	228.1	225.4	223.8	222.4	220.9	220.2	218.7
35°	241.1	231.2	223.0	218.8	214.0	211.6	210.4	208.6	207.2	206.4	206.2
37.5°	221.6	213.0	207.6	202.2	200.2	198.8	197.0	195.8	195.4	195.3	195.0
40°	208.9	201.9	197.0	192.7	191.9	189.6	188.2	187.2	187.2	187.4	187.2
42.5°	197.4	191.1	186.8	183.1	182.0	180.8	179.3	179.3	179.5	180.1	179.5
45°	180.0	175.5	172.4	170.6	168.7	167.4	167.2	167.7	167.9	168.1	168.7
47.5°	163.9	160.9	158.1	156.1	155.3	155.1	154.9	155.8	156.7	157.0	157.8
50°	154.4	151.0	148.6	147.3	146.6	146.3	146.6	147.7	148.5	149.3	149.9
52.5°	143.8	141.3	139.7	138.7	138.5	138.7	138.7	140.0	141.1	141.5	141.7
55°	129.0	127.2	126.9	125.2	126.0	125.8	126.7	127.4	128.5	129.6	129.8
57.5°	114.3	112.9	111.9	112.1	112.3	113.1	113.8	115.1	116.2	117.4	117.5
60°	104.6	103.9	103.3	103.3	103.6	104.7	105.6	106.9	107.6	108.4	108.8
62.5°	95.6	94.9	94.3	94.7	95.6	96.3	97.3	98.0	98.7	99.4	99.7
65°	81.5	81.2	81.7	82.1	82.2	83.1	84.4	84.9	85.6	86.0	87.3
67.5°	68.5	68.6	68.5	69.0	70.1	70.3	71.5	72.7	72.9	73.6	74.4
70°	59.7	60.1	60.4	60.8	61.7	62.1	63.0	63.5	64.2	64.8	65.4
72.5°	51.7	51.7	52.1	52.0	52.8	53.6	54.3	54.9	55.6	56.3	56.8
75°	39.8	39.8	40.2	40.3	41.2	42.1	41.9	42.3	43.0	43.7	44.1
77.5°	29.1	28.7	29.1	29.2	29.5	30.3	30.4	30.9	31.8	31.5	31.9
80°	22.1	21.6	22.1	22.3	22.3	23.2	23.2	23.6	24.1	23.6	24.1
82.5°	15.8	15.5	15.9	16.0	16.2	16.3	16.6	16.6	17.2	17.0	17.2
85°	7.9	7.8	7.9	7.8	7.9	8.1	8.1	7.9	7.9	8.2	7.8
87.5°	4.4	4.7	5.3	6.4	7.2	7.2	7.0	6.8	6.5	6.5	6.7
90°	9.5	11.9	15.8	21.3	26.1	26.9	26.1	25.3	23.7	25.3	26.1
92.5°	28.4	35.9	53.8	78.9	101.3	102.7	86.8	68.9	59.2	52.5	47.6
95°	58.5	77.5	113.8	182.6	274.3	309.9	271.2	207.2	158.9	125.7	108.3
97.5°	83.0	104.5	150.2	246.1	398.5	529.1	555.0	483.4	395.5	309.9	252.9
100°	98.9	121.0	162.9	259.4	430.1	624.6	738.5	721.8	623.8	515.5	419.9
102.5°	113.4	135.5	174.3	260.0	418.1	627.7	806.8	878.1	856.0	776.7	675.3
105°	134.4	156.5	193.7	264.0	394.5	585.8	796.1	960.6	1050.0	1060.3	1034.1
107.5°	155.3	177.6	213.7	275.0	382.8	541.0	726.7	901.2	1035.7	1117.9	1156.2
110°	169.2	192.1	226.9	283.8	380.3	519.4	683.1	849.9	991.4	1092.7	1157.5



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.4	206.0	239.6	293.3	380.9	505.5	652.8	803.1	939.0	1047.1	1121.4
115°	204.0	225.3	259.4	307.5	384.2	490.2	615.1	745.5	867.3	970.9	1052.3
117.5°	223.9	246.1	277.5	322.7	389.9	482.8	591.4	702.2	809.1	903.0	979.5
120°	237.2	259.4	290.2	332.9	393.7	478.3	578.8	680.7	778.8	862.5	934.5
122.5°	250.5	273.2	302.1	341.7	398.2	475.8	568.0	663.6	753.4	832.8	897.9
125°	269.6	291.8	320.2	355.8	404.8	471.2	552.6	638.8	720.3	789.8	849.1
127.5°	286.5	309.3	337.0	368.9	411.6	468.5	538.4	614.3	688.0	753.6	808.3
130°	297.3	319.4	347.1	377.2	416.7	467.2	528.9	598.5	666.5	729.0	781.2
132.5°	307.4	329.5	355.9	385.3	421.7	466.6	521.3	583.3	646.3	703.6	752.7
135°	321.0	343.1	368.4	396.1	427.7	465.6	510.7	562.1	614.3	666.5	710.7
137.5°	333.0	353.6	378.6	404.3	433.1	465.5	503.3	545.2	588.8	630.3	668.8
140°	340.0	360.5	384.2	408.8	435.6	464.9	498.9	534.5	572.4	608.8	643.6
142.5°	346.3	365.6	388.6	412.6	437.5	464.9	494.5	525.6	557.9	589.1	618.3
145°	356.6	374.0	395.3	417.5	439.6	463.3	488.6	513.1	539.2	563.7	586.6
147.5°	365.1	380.6	400.7	420.2	440.2	460.5	482.6	503.4	524.0	543.1	559.9
150°	370.8	385.0	403.2	421.4	439.6	458.6	477.5	496.5	513.9	530.5	544.7
152.5°	376.5	389.4	405.8	422.0	438.3	455.4	473.1	489.6	505.6	519.8	532.1
155°	384.2	396.1	409.6	422.9	436.4	449.9	464.9	479.9	492.6	504.4	513.1
157.5°	390.9	400.8	412.3	422.9	432.8	444.2	457.2	468.7	479.3	489.3	496.1
160°	395.3	404.0	413.5	422.9	430.9	440.4	451.5	461.7	470.4	479.1	484.7
162.5°	399.1	405.9	414.2	422.3	429.0	437.2	446.4	454.8	462.2	469.6	473.9
165°	403.2	408.0	415.1	420.6	425.3	430.9	438.0	444.3	449.9	455.4	458.6
167.5°	406.7	409.7	414.9	419.5	421.7	425.3	429.8	434.4	438.6	442.4	445.3
170°	408.0	410.4	414.3	418.3	419.9	422.2	425.3	429.3	431.7	434.8	436.4
172.5°	409.2	411.0	413.7	416.4	417.3	418.4	421.0	423.6	425.3	427.9	428.8
175°	410.4	411.1	412.7	414.3	413.5	414.3	415.1	417.5	418.3	419.1	419.9
177.5°	411.1	411.1	411.8	413.0	411.8	411.1	411.8	413.0	413.0	413.7	413.7
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	449.1	448.8	448.8	447.5	448.8	448.8	449.1	450.5	451.0	451.2	450.7
5°	416.6	416.1	415.2	416.1	415.2	416.1	416.6	419.1	420.4	421.6	422.7
7.5°	384.4	382.3	382.0	379.9	382.0	382.3	384.4	385.6	388.2	391.0	393.6
10°	361.0	359.6	359.3	355.9	359.3	359.6	361.0	364.1	366.5	369.9	373.6
12.5°	343.2	339.7	340.4	338.4	340.4	339.7	343.2	343.2	346.1	348.2	353.9
15°	312.2	312.2	311.5	308.5	311.5	312.2	312.2	317.1	318.0	321.4	326.2
17.5°	290.0	289.6	288.0	288.8	288.0	289.6	290.0	293.6	294.2	298.7	302.8
20°	276.8	275.7	273.5	273.5	273.5	275.7	276.8	278.8	281.1	283.8	287.2
22.5°	264.3	264.2	261.9	262.6	261.9	264.2	264.3	266.1	268.3	271.2	274.1
25°	249.6	248.2	247.1	247.6	247.1	248.2	249.6	249.8	252.3	254.3	256.1
27.5°	235.7	234.9	234.8	233.4	234.8	234.9	235.7	236.1	237.6	238.8	240.4
30°	227.7	225.9	226.2	225.3	226.2	225.9	227.7	227.8	228.5	229.3	231.2
32.5°	218.4	217.8	217.5	216.7	217.5	217.8	218.4	218.7	220.2	220.9	222.4
35°	205.9	206.0	205.2	205.5	205.2	206.0	205.9	206.2	206.4	207.2	208.6
37.5°	194.9	195.4	195.0	195.1	195.0	195.4	194.9	195.0	195.3	195.4	195.8
40°	187.7	187.7	187.7	188.2	187.7	187.7	187.7	187.2	187.4	187.2	187.2
42.5°	180.8	180.5	180.2	180.1	180.2	180.5	180.8	179.5	180.1	179.5	179.3
45°	169.0	169.5	169.7	168.8	169.7	169.5	169.0	168.7	168.1	167.9	167.7
47.5°	158.3	158.4	158.3	159.1	158.3	158.4	158.3	157.8	157.0	156.7	155.8
50°	150.8	150.4	150.8	150.4	150.8	150.4	150.8	149.9	149.3	148.5	147.7
52.5°	142.9	143.0	142.8	142.7	142.8	143.0	142.9	141.7	141.5	141.1	140.0
55°	130.5	130.8	130.6	130.6	130.6	130.8	130.5	129.8	129.6	128.5	127.4
57.5°	117.6	118.0	118.2	117.4	118.2	118.0	117.6	117.5	117.4	116.2	115.1
60°	108.7	109.6	109.4	109.1	109.4	109.6	108.7	108.8	108.4	107.6	106.9
62.5°	100.4	100.8	100.8	100.7	100.8	100.8	100.4	99.7	99.4	98.7	98.0
65°	87.9	88.2	87.6	88.2	87.6	88.2	87.9	87.3	86.0	85.6	84.9
67.5°	74.1	74.3	74.7	74.9	74.7	74.3	74.1	74.4	73.6	72.9	72.7
70°	65.7	65.5	66.1	66.6	66.1	65.5	65.7	65.4	64.8	64.2	63.5
72.5°	56.7	57.1	57.0	57.4	57.0	57.1	56.7	56.8	56.3	55.6	54.9
75°	43.7	44.3	44.1	44.6	44.1	44.3	43.7	44.1	43.7	43.0	42.3
77.5°	31.6	31.7	31.6	31.9	31.6	31.7	31.6	31.9	31.5	31.8	30.9
80°	24.1	23.8	23.4	24.1	23.4	23.8	24.1	24.1	23.6	24.1	23.6
82.5°	16.8	17.0	16.6	16.6	16.6	17.0	16.8	17.2	17.0	17.2	16.6
85°	7.8	7.5	7.2	7.2	7.2	7.5	7.8	7.8	8.2	7.9	7.9
87.5°	6.7	6.5	6.5	6.3	6.5	6.5	6.7	6.7	6.5	6.5	6.8
90°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	25.3	23.7	25.3
92.5°	47.0	44.4	45.1	43.8	45.1	44.4	47.0	47.6	52.5	59.2	68.9
95°	98.1	91.7	89.4	90.2	89.4	91.7	98.1	108.3	125.7	158.9	207.2
97.5°	215.1	195.6	184.0	177.4	184.0	195.6	215.1	252.9	309.9	395.5	483.4
100°	354.2	320.2	297.3	283.0	297.3	320.2	354.2	419.9	515.5	623.8	721.8
102.5°	604.0	546.0	517.4	498.1	517.4	546.0	604.0	675.3	776.7	856.0	878.1
105°	985.1	936.1	902.1	891.0	902.1	936.1	985.1	1034.1	1060.3	1050.0	960.6
107.5°	1162.4	1159.7	1152.9	1138.2	1152.9	1159.7	1162.4	1156.2	1117.9	1035.7	901.2
110°	1191.4	1206.5	1213.6	1212.8	1213.6	1206.5	1191.4	1157.5	1092.7	991.4	849.9



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.7	1193.8	1207.3	1211.6	1207.3	1193.8	1168.7	1121.4	1047.1	939.0	803.1
115°	1108.4	1144.8	1165.4	1172.5	1165.4	1144.8	1108.4	1052.3	970.9	867.3	745.5
117.5°	1036.6	1075.1	1096.8	1102.7	1096.8	1075.1	1036.6	979.5	903.0	809.1	702.2
120°	989.8	1027.0	1050.0	1057.9	1050.0	1027.0	989.8	934.5	862.5	778.8	680.7
122.5°	947.5	984.0	1004.4	1011.1	1004.4	984.0	947.5	897.9	832.8	753.4	663.6
125°	895.0	925.0	944.8	951.1	944.8	925.0	895.0	849.1	789.8	720.3	638.8
127.5°	848.3	876.5	893.6	898.7	893.6	876.5	848.3	808.3	753.6	688.0	614.3
130°	819.9	846.8	862.5	868.9	862.5	846.8	819.9	781.2	729.0	666.5	598.5
132.5°	790.8	817.7	832.2	837.9	832.2	817.7	790.8	752.7	703.6	646.3	583.3
135°	744.7	770.9	785.1	788.2	785.1	770.9	744.7	710.7	666.5	614.3	562.1
137.5°	699.9	722.3	734.8	739.6	734.8	722.3	699.9	668.8	630.3	588.8	545.2
140°	668.8	689.4	701.3	706.0	701.3	689.4	668.8	643.6	608.8	572.4	534.5
142.5°	642.3	661.0	671.5	672.5	671.5	661.0	642.3	618.3	589.1	557.9	525.6
145°	605.6	619.1	626.9	629.3	626.9	619.1	605.6	586.6	563.7	539.2	513.1
147.5°	575.6	586.3	591.7	593.1	591.7	586.3	575.6	559.9	543.1	524.0	503.4
150°	556.6	566.1	570.8	571.6	570.8	566.1	556.6	544.7	530.5	513.9	496.5
152.5°	541.4	549.6	553.1	553.3	553.1	549.6	541.4	532.1	519.8	505.6	489.6
155°	521.8	527.4	530.5	528.9	530.5	527.4	521.8	513.1	504.4	492.6	479.9
157.5°	502.2	506.8	508.2	508.2	508.2	506.8	502.2	496.1	489.3	479.3	468.7
160°	490.2	494.2	495.0	495.0	495.0	494.2	490.2	484.7	479.1	470.4	461.7
162.5°	479.4	482.1	482.9	482.3	482.9	482.1	479.4	473.9	469.6	462.2	454.8
165°	461.7	464.9	464.9	464.1	464.9	464.9	461.7	458.6	455.4	449.9	444.3
167.5°	446.7	448.5	448.3	447.3	448.3	448.5	446.7	445.3	442.4	438.6	434.4
170°	437.2	439.6	438.8	437.2	438.8	439.6	437.2	436.4	434.8	431.7	429.3
172.5°	429.6	430.7	429.9	429.0	429.9	430.7	429.6	428.8	427.9	425.3	423.6
175°	419.9	420.6	419.9	418.3	419.9	420.6	419.9	419.9	419.1	418.3	417.5
177.5°	413.7	413.7	413.0	411.8	413.0	413.7	413.7	413.7	413.7	413.0	413.0
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	450.0	451.5	454.0	456.6	458.2	461.2	462.1	463.5	464.8	467.8	471.0
5°	424.0	426.5	432.5	435.7	440.1	445.4	448.8	452.4	456.4	463.2	469.5
7.5°	396.1	400.3	407.7	413.8	420.2	427.6	433.0	440.1	446.1	455.7	464.9
10°	377.6	383.5	390.1	397.4	406.3	414.2	421.8	430.8	438.0	449.6	460.3
12.5°	360.8	361.7	371.3	379.2	391.5	401.3	410.0	421.6	428.6	442.4	453.7
15°	331.7	337.1	345.7	352.0	366.5	379.0	391.3	403.3	411.4	428.3	443.2
17.5°	307.0	312.0	320.9	331.2	341.7	354.0	369.9	382.6	393.6	413.0	430.6
20°	291.5	297.6	306.7	317.3	326.5	339.9	353.6	368.2	380.1	401.9	422.6
22.5°	278.3	283.1	290.4	300.9	310.9	323.2	338.2	354.1	366.5	390.1	411.0
25°	259.7	263.6	268.3	276.9	288.3	301.8	313.5	331.0	349.1	371.1	396.4
27.5°	242.9	245.7	249.9	257.5	266.3	278.8	291.8	308.4	326.7	350.5	377.3
30°	232.7	234.5	238.6	244.9	253.6	263.5	276.6	292.4	311.2	335.3	361.9
32.5°	223.8	225.4	228.1	234.1	241.6	250.1	261.9	277.7	295.6	319.2	348.8
35°	210.4	211.6	214.0	218.8	223.0	231.2	241.1	255.6	272.3	294.9	325.5
37.5°	197.0	198.8	200.2	202.2	207.6	213.0	221.6	233.8	250.2	273.1	302.2
40°	188.2	189.6	191.9	192.7	197.0	201.9	208.9	220.1	236.6	257.5	286.0
42.5°	179.3	180.8	182.0	183.1	186.8	191.1	197.4	207.0	221.7	241.9	270.1
45°	167.2	167.4	168.7	170.6	172.4	175.5	180.0	188.2	199.6	218.6	244.2
47.5°	154.9	155.1	155.3	156.1	158.1	160.9	163.9	170.6	180.8	196.0	220.9
50°	146.6	146.3	146.6	147.3	148.6	151.0	154.4	159.2	167.5	181.7	204.6
52.5°	138.7	138.7	138.5	138.7	139.7	141.3	143.8	147.9	155.3	168.3	188.5
55°	126.7	125.8	126.0	125.2	126.9	127.2	129.0	132.5	138.9	147.9	166.8
57.5°	113.8	113.1	112.3	112.1	111.9	112.9	114.3	117.0	122.0	129.9	145.2
60°	105.6	104.7	103.6	103.3	103.3	103.9	104.6	106.5	111.2	118.2	130.8
62.5°	97.3	96.3	95.6	94.7	94.3	94.9	95.6	97.0	100.4	107.0	117.9
65°	84.4	83.1	82.2	82.1	81.7	81.2	81.5	82.9	85.6	90.9	99.5
67.5°	71.5	70.3	70.1	69.0	68.5	68.6	68.5	69.7	71.4	75.9	82.3
70°	63.0	62.1	61.7	60.8	60.4	60.1	59.7	60.8	62.4	66.2	71.8
72.5°	54.3	53.6	52.8	52.0	52.1	51.7	51.7	52.4	53.6	57.1	61.5
75°	41.9	42.1	41.2	40.3	40.2	39.8	39.8	40.3	40.9	43.6	47.0
77.5°	30.4	30.3	29.5	29.2	29.1	28.7	29.1	29.4	29.7	31.5	34.0
80°	23.2	23.2	22.3	22.3	22.1	21.6	22.1	21.8	22.5	24.3	26.1
82.5°	16.6	16.3	16.2	16.0	15.9	15.5	15.8	16.2	16.5	17.7	18.8
85°	8.1	8.1	7.9	7.8	7.9	7.8	7.9	8.1	8.2	8.8	9.7
87.5°	7.0	7.2	7.2	6.4	5.3	4.7	4.4	4.2	4.1	3.6	3.3
90°	26.1	26.9	26.1	21.3	15.8	11.9	9.5	7.9	6.3	3.2	0.8
92.5°	86.8	102.7	101.3	78.9	53.8	35.9	28.4	23.1	19.6	13.9	9.7
95°	271.2	309.9	274.3	182.6	113.8	77.5	58.5	45.9	38.7	30.8	27.6
97.5°	555.0	529.1	398.5	246.1	150.2	104.5	83.0	68.4	57.8	49.4	45.1
100°	738.5	624.6	430.1	259.4	162.9	121.0	98.9	83.0	70.3	63.2	60.8
102.5°	806.8	627.7	418.1	260.0	174.3	135.5	113.4	97.0	84.3	77.2	75.4
105°	796.1	585.8	394.5	264.0	193.7	156.5	134.4	117.0	105.1	99.7	96.5
107.5°	726.7	541.0	382.8	275.0	213.7	177.6	155.3	138.1	127.1	121.8	119.2
110°	683.1	519.4	380.3	283.8	226.9	192.1	169.2	152.6	142.3	137.6	134.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	652.8	505.5	380.9	293.3	239.6	206.0	182.4	166.5	156.9	151.5	148.3
115°	615.1	490.2	384.2	307.5	259.4	225.3	204.0	188.1	178.7	174.0	170.0
117.5°	591.4	482.8	389.9	322.7	277.5	246.1	223.9	208.7	200.3	195.6	192.4
120°	578.8	478.3	393.7	332.9	290.2	259.4	237.2	221.3	214.3	209.5	206.4
122.5°	568.0	475.8	398.2	341.7	302.1	273.2	250.5	234.6	226.9	222.1	219.7
125°	552.6	471.2	404.8	355.8	320.2	291.8	269.6	253.8	244.3	239.6	237.2
127.5°	538.4	468.5	411.6	368.9	337.0	309.3	286.5	271.3	260.9	254.3	251.1
130°	528.9	467.2	416.7	377.2	347.1	319.4	297.3	281.5	270.4	262.4	259.4
132.5°	521.3	466.6	421.7	385.3	355.9	329.5	307.4	291.0	279.2	270.7	266.9
135°	510.7	465.6	427.7	396.1	368.4	343.1	321.0	302.8	291.0	281.5	278.3
137.5°	503.3	465.5	433.1	404.3	378.6	353.6	333.0	315.0	302.3	292.9	289.1
140°	498.9	464.9	435.6	408.8	384.2	360.5	340.0	322.6	309.9	300.5	297.3
142.5°	494.5	464.9	437.5	412.6	388.6	365.6	346.3	329.5	316.9	308.0	305.5
145°	488.6	463.3	439.6	417.5	395.3	374.0	356.6	340.8	328.9	321.0	317.8
147.5°	482.6	460.5	440.2	420.2	400.7	380.6	365.1	352.0	341.0	333.5	331.1
150°	477.5	458.6	439.6	421.4	403.2	385.0	370.8	358.9	348.6	342.3	340.0
152.5°	473.1	455.4	438.3	422.0	405.8	389.4	376.5	365.3	356.2	349.9	348.8
155°	464.9	449.9	436.4	422.9	409.6	396.1	384.2	375.6	366.9	362.1	361.3
157.5°	457.2	444.2	432.8	422.9	412.3	400.8	390.9	383.9	376.4	372.6	371.8
160°	451.5	440.4	430.9	422.9	413.5	404.0	395.3	389.0	382.6	379.5	378.7
162.5°	446.4	437.2	429.0	422.3	414.2	405.9	399.1	393.4	388.3	385.2	385.6
165°	438.0	430.9	425.3	420.6	415.1	408.0	403.2	399.3	394.5	392.9	393.7
167.5°	429.8	425.3	421.7	419.5	414.9	409.7	406.7	403.9	400.8	399.4	400.4
170°	425.3	422.2	419.9	418.3	414.3	410.4	408.0	406.4	404.0	403.2	404.8
172.5°	421.0	418.4	417.3	416.4	413.7	411.0	409.2	408.3	405.9	406.4	407.3
175°	415.1	414.3	413.5	414.3	412.7	411.1	410.4	410.4	408.8	409.6	410.4
177.5°	411.8	411.1	411.8	413.0	411.8	411.1	411.1	411.1	409.9	410.5	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331269-927

CATALOG NUMBER: SA2XXDIP-C290D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	470.7	471.4	473.7	476.0	478.6	479.3	480.5	479.5	479.2	481.9	483.9
5°	472.1	475.2	481.6	487.4	492.2	495.6	499.2	500.7	503.4	507.1	511.8
7.5°	470.5	476.8	486.7	495.1	504.2	510.8	515.9	520.4	525.7	532.8	540.7
10°	468.8	477.2	489.3	499.6	510.7	519.2	526.2	533.1	541.0	550.9	561.1
12.5°	465.6	475.6	490.8	502.9	517.2	525.5	535.0	549.7	558.3	572.0	586.5
15°	459.2	470.4	491.5	506.4	522.6	538.4	555.9	569.9	583.9	592.1	612.4
17.5°	449.8	466.1	489.5	506.9	527.5	552.4	572.0	588.0	604.1	617.3	627.5
20°	442.1	459.9	486.6	507.5	532.0	558.7	581.2	597.5	611.5	622.5	628.8
22.5°	432.5	455.0	480.9	505.3	536.5	563.1	586.7	599.4	611.2	616.6	619.0
25°	417.3	444.3	473.6	503.5	538.8	566.9	588.4	596.2	599.6	594.4	585.7
27.5°	400.9	431.0	465.3	500.1	537.4	564.4	579.9	578.7	572.9	556.0	542.5
30°	388.7	421.8	458.7	496.7	534.1	560.4	569.3	560.4	547.2	528.4	509.1
32.5°	375.9	410.2	451.6	491.8	528.1	551.2	553.1	537.7	517.3	495.8	471.8
35°	356.5	393.6	438.4	480.9	515.2	529.8	521.2	493.8	469.7	440.4	407.6
37.5°	334.5	375.5	420.4	464.9	496.0	499.8	478.3	449.6	415.5	381.0	342.5
40°	318.1	361.6	407.8	452.6	480.1	476.2	448.8	417.2	376.7	334.5	298.7
42.5°	303.5	346.8	394.0	437.9	459.9	449.1	417.2	378.3	334.8	295.1	262.3
45°	278.1	322.7	370.9	413.4	426.0	406.3	364.1	320.8	278.1	244.9	219.0
47.5°	253.3	297.5	345.2	382.5	387.0	360.6	314.4	270.0	233.1	206.2	187.9
50°	235.2	279.5	326.8	360.1	358.6	326.8	279.3	237.0	206.2	184.4	172.2
52.5°	219.0	260.8	306.2	336.5	328.8	294.1	248.7	211.2	185.9	168.9	157.8
55°	193.6	232.3	275.5	299.8	285.7	247.2	208.9	178.7	159.9	147.2	138.6
57.5°	168.5	204.8	241.8	256.7	241.2	205.7	173.7	151.8	137.7	128.3	122.6
60°	153.0	184.7	217.5	230.5	212.0	180.3	155.1	135.5	124.1	116.5	111.4
62.5°	137.4	165.8	196.9	203.9	187.0	160.2	137.8	121.5	112.3	105.4	100.6
65°	116.2	139.5	163.0	167.7	152.1	131.3	113.8	103.1	94.8	89.8	86.0
67.5°	95.4	114.0	130.7	134.4	120.7	106.4	93.6	84.4	78.8	74.6	71.4
70°	82.9	97.8	111.4	114.5	103.5	90.7	81.0	73.6	68.5	65.0	61.9
72.5°	69.9	82.1	93.6	95.6	86.7	76.8	68.9	63.1	58.6	56.3	53.4
75°	53.5	60.7	69.5	70.0	64.1	58.1	52.0	48.2	45.9	43.0	41.6
77.5°	37.7	43.3	48.4	49.4	45.9	41.8	38.4	35.4	33.4	32.1	30.7
80°	28.8	33.3	35.5	36.7	34.2	31.3	29.3	27.3	26.1	25.2	24.3
82.5°	20.6	23.4	25.3	26.4	25.0	23.2	21.3	20.1	19.2	18.5	18.1
85°	10.5	11.7	13.0	13.3	13.0	12.2	11.2	11.2	10.6	10.5	10.5
87.5°	4.2	5.5	5.8	6.5	6.7	7.4	8.6	9.4	9.4	9.1	8.8
90°	3.2	6.3	7.9	9.5	11.9	15.8	21.3	26.1	26.9	26.1	25.3
92.5°	13.9	19.6	23.1	28.4	35.9	53.8	78.9	101.3	102.7	86.8	68.9
95°	30.8	38.7	45.9	58.5	77.5	113.8	182.6	274.3	309.9	271.2	207.2
97.5°	49.4	57.8	68.4	83.0	104.5	150.2	246.1	398.5	529.1	555.0	483.4
100°	63.2	70.3	83.0	98.9	121.0	162.9	259.4	430.1	624.6	738.5	721.8
102.5°	77.2	84.3	97.0	113.4	135.5	174.3	260.0	418.1	627.7	806.8	878.1
105°	99.7	105.1	117.0	134.4	156.5	193.7	264.0	394.5	585.8	796.1	960.6
107.5°	121.8	127.1	138.1	155.3	177.6	213.7	275.0	382.8	541.0	726.7	901.2
110°	137.6	142.3	152.6	169.2	192.1	226.9	283.8	380.3	519.4	683.1	849.9



TEST NUMBER: P331269-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	151.5	156.9	166.5	182.4	206.0	239.6	293.3	380.9	505.5	652.8	803.1
115°	174.0	178.7	188.1	204.0	225.3	259.4	307.5	384.2	490.2	615.1	745.5
117.5°	195.6	200.3	208.7	223.9	246.1	277.5	322.7	389.9	482.8	591.4	702.2
120°	209.5	214.3	221.3	237.2	259.4	290.2	332.9	393.7	478.3	578.8	680.7
122.5°	222.1	226.9	234.6	250.5	273.2	302.1	341.7	398.2	475.8	568.0	663.6
125°	239.6	244.3	253.8	269.6	291.8	320.2	355.8	404.8	471.2	552.6	638.8
127.5°	254.3	260.9	271.3	286.5	309.3	337.0	368.9	411.6	468.5	538.4	614.3
130°	262.4	270.4	281.5	297.3	319.4	347.1	377.2	416.7	467.2	528.9	598.5
132.5°	270.7	279.2	291.0	307.4	329.5	355.9	385.3	421.7	466.6	521.3	583.3
135°	281.5	291.0	302.8	321.0	343.1	368.4	396.1	427.7	465.6	510.7	562.1
137.5°	292.9	302.3	315.0	333.0	353.6	378.6	404.3	433.1	465.5	503.3	545.2
140°	300.5	309.9	322.6	340.0	360.5	384.2	408.8	435.6	464.9	498.9	534.5
142.5°	308.0	316.9	329.5	346.3	365.6	388.6	412.6	437.5	464.9	494.5	525.6
145°	321.0	328.9	340.8	356.6	374.0	395.3	417.5	439.6	463.3	488.6	513.1
147.5°	333.5	341.0	352.0	365.1	380.6	400.7	420.2	440.2	460.5	482.6	503.4
150°	342.3	348.6	358.9	370.8	385.0	403.2	421.4	439.6	458.6	477.5	496.5
152.5°	349.9	356.2	365.3	376.5	389.4	405.8	422.0	438.3	455.4	473.1	489.6
155°	362.1	366.9	375.6	384.2	396.1	409.6	422.9	436.4	449.9	464.9	479.9
157.5°	372.6	376.4	383.9	390.9	400.8	412.3	422.9	432.8	444.2	457.2	468.7
160°	379.5	382.6	389.0	395.3	404.0	413.5	422.9	430.9	440.4	451.5	461.7
162.5°	385.2	388.3	393.4	399.1	405.9	414.2	422.3	429.0	437.2	446.4	454.8
165°	392.9	394.5	399.3	403.2	408.0	415.1	420.6	425.3	430.9	438.0	444.3
167.5°	399.4	400.8	403.9	406.7	409.7	414.9	419.5	421.7	425.3	429.8	434.4
170°	403.2	404.0	406.4	408.0	410.4	414.3	418.3	419.9	422.2	425.3	429.3
172.5°	406.4	405.9	408.3	409.2	411.0	413.7	416.4	417.3	418.4	421.0	423.6
175°	409.6	408.8	410.4	410.4	411.1	412.7	414.3	413.5	414.3	415.1	417.5
177.5°	410.5	409.9	411.1	411.1	411.1	411.8	413.0	411.8	411.1	411.8	413.0
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



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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°	8.6	9.0	9.0	9.0	9.1	9.0	9.0
90°	23.7	25.3	26.1	26.1	26.1	26.1	26.1
92.5°	59.2	52.5	47.6	47.0	44.4	45.1	43.8
95°	158.9	125.7	108.3	98.1	91.7	89.4	90.2
97.5°	395.5	309.9	252.9	215.1	195.6	184.0	177.4
100°	623.8	515.5	419.9	354.2	320.2	297.3	283.0
102.5°	856.0	776.7	675.3	604.0	546.0	517.4	498.1
105°	1050.0	1060.3	1034.1	985.1	936.1	902.1	891.0
107.5°	1035.7	1117.9	1156.2	1162.4	1159.7	1152.9	1138.2
110°	991.4	1092.7	1157.5	1191.4	1206.5	1213.6	1212.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	939.0	1047.1	1121.4	1168.7	1193.8	1207.3	1211.6
115°	867.3	970.9	1052.3	1108.4	1144.8	1165.4	1172.5
117.5°	809.1	903.0	979.5	1036.6	1075.1	1096.8	1102.7
120°	778.8	862.5	934.5	989.8	1027.0	1050.0	1057.9
122.5°	753.4	832.8	897.9	947.5	984.0	1004.4	1011.1
125°	720.3	789.8	849.1	895.0	925.0	944.8	951.1
127.5°	688.0	753.6	808.3	848.3	876.5	893.6	898.7
130°	666.5	729.0	781.2	819.9	846.8	862.5	868.9
132.5°	646.3	703.6	752.7	790.8	817.7	832.2	837.9
135°	614.3	666.5	710.7	744.7	770.9	785.1	788.2
137.5°	588.8	630.3	668.8	699.9	722.3	734.8	739.6
140°	572.4	608.8	643.6	668.8	689.4	701.3	706.0
142.5°	557.9	589.1	618.3	642.3	661.0	671.5	672.5
145°	539.2	563.7	586.6	605.6	619.1	626.9	629.3
147.5°	524.0	543.1	559.9	575.6	586.3	591.7	593.1
150°	513.9	530.5	544.7	556.6	566.1	570.8	571.6
152.5°	505.6	519.8	532.1	541.4	549.6	553.1	553.3
155°	492.6	504.4	513.1	521.8	527.4	530.5	528.9
157.5°	479.3	489.3	496.1	502.2	506.8	508.2	508.2
160°	470.4	479.1	484.7	490.2	494.2	495.0	495.0
162.5°	462.2	469.6	473.9	479.4	482.1	482.9	482.3
165°	449.9	455.4	458.6	461.7	464.9	464.9	464.1
167.5°	438.6	442.4	445.3	446.7	448.5	448.3	447.3
170°	431.7	434.8	436.4	437.2	439.6	438.8	437.2
172.5°	425.3	427.9	428.8	429.6	430.7	429.9	429.0
175°	418.3	419.1	419.9	419.9	420.6	419.9	418.3
177.5°	413.0	413.7	413.7	413.7	413.7	413.0	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1

(END OF REPORT)