

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P999522

Luminaire Tested: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999522
REPORT IS A COMBINATION OF REPORTS P988075 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

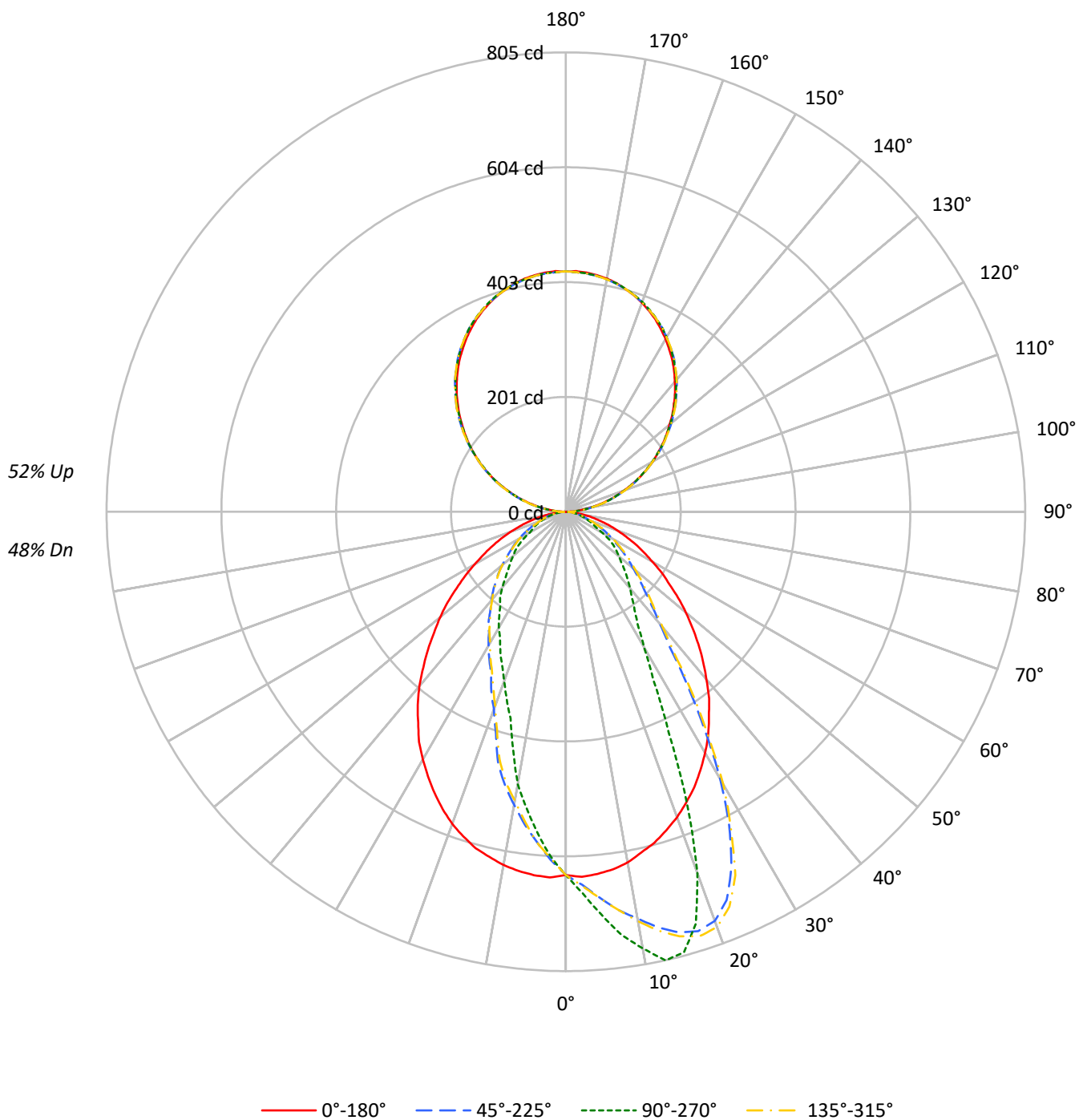
Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
Input Voltage (V):
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: 24 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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	107	107	107	107	98	98	98	98		82	82	82		68	68	68		55	55	55
1	98	94	91	87	90	87	84	81		73	71	69		61	59	58		49	48	48
2	90	83	77	73	83	77	72	68		65	62	59		54	52	50		44	43	41
3	83	74	67	61	76	68	62	58		58	54	50		49	46	43		40	38	36
4	76	66	58	53	70	61	55	50		52	47	44		44	41	38		36	34	32
5	70	59	51	46	65	55	48	43		47	42	38		40	36	33		33	31	28
6	65	53	46	40	60	50	43	38		43	38	34		37	33	30		31	28	25
7	60	49	41	36	56	45	39	34		39	34	30		34	30	27		28	25	23
8	56	44	37	32	52	41	35	30		36	31	27		31	27	24		26	23	21
9	52	41	34	29	48	38	32	27		33	28	25		29	25	22		24	21	19
10	49	38	31	26	45	35	29	25		31	26	22		27	23	20		23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10075	10075	10075	10075
5°	10100	10702	10135	8550
10°	9987	11313	10059	7060
15°	9772	11315	9936	5304
20°	9510	9353	9717	4376
25°	9195	5844	9394	3723
30°	8791	3743	9031	3205
35°	8299	2876	8569	2743
40°	7754	2417	8083	2399
45°	7168	2058	7467	2014
50°	6569	1749	6875	1742
55°	5905	1519	6225	1500
60°	5316	1159	5599	1145
65°	4764	871	5048	989
70°	4157	697	4482	807
75°	3513	534	3838	609
80°	2786	364	3002	399
85°	1935	188	2119	198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	2.6
10°-20°	168.5	7.4
20°-30°	216.9	9.5
30°-40°	205.8	9.0
40°-50°	176.3	7.7
50°-60°	134.3	5.9
60°-70°	84.7	3.7
70°-80°	42.3	1.9
80°-90°	12.1	0.5
90°-100°	26.1	1.1
100°-110°	82.9	3.6
110°-120°	141.8	6.2
120°-130°	186.4	8.2
130°-140°	209.3	9.2
140°-150°	205.2	9.0
150°-160°	172.1	7.6
160°-170°	114.2	5.0
170°-180°	39.9	1.8
0°-30°	445.8	19.6
0°-40°	651.5	28.6
0°-60°	962.2	42.2
0°-90°	1101.2	48.3
90°-120°	250.7	11.0
90°-150°	851.6	37.4
90°-180°	1178.0	51.7
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	636	636	636	636	636	
5°	637	708	639	566	637	60
15°	600	799	610	375	600	169
25°	533	426	544	272	533	245
35°	437	210	451	200	437	273
45°	328	146	342	143	328	253
55°	222	101	234	100	222	200
65°	134	53	142	60	134	133
75°	63	28	69	32	63	68
85°	14	8	15	8	14	16
90°	0	12	0	12	0	2
95°	18	22	18	22	18	21
105°	76	79	76	79	76	81
115°	142	142	142	142	142	141
125°	207	208	207	208	207	185
135°	268	271	268	271	268	207
145°	325	328	325	328	325	203
155°	372	374	372	374	372	171
165°	404	405	404	405	404	114
175°	421	419	421	419	421	40
180°	421	421	421	421	421	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	640.5	643.2	644.5	646.3	650.2	652.9	656.9	657.8	657.3	659.1	654.2
5°	637.0	642.7	648.0	652.5	659.5	664.0	668.8	674.6	675.9	682.5	678.6
7.5°	632.1	640.5	648.0	656.9	667.5	673.2	680.8	689.6	693.6	701.6	703.8
10°	624.1	636.1	648.9	658.2	672.8	683.0	690.1	704.2	713.5	725.4	723.7
12.5°	611.3	626.8	644.0	659.5	678.6	685.2	698.5	713.1	725.0	736.1	745.8
15°	600.3	618.0	637.0	656.0	677.7	690.1	703.3	722.3	735.2	754.6	763.0
17.5°	585.2	607.8	630.3	651.6	677.2	691.4	707.7	726.3	745.3	763.9	770.6
20°	569.7	594.1	618.4	647.1	676.3	690.1	706.9	729.9	748.4	763.0	763.0
22.5°	551.2	580.8	608.7	636.1	667.9	687.8	705.1	732.1	745.3	748.4	736.5
25°	532.6	562.2	592.7	626.8	663.1	680.8	700.2	725.4	729.9	717.5	686.5
27.5°	510.5	543.6	578.1	614.9	652.9	675.0	692.7	709.5	701.1	667.9	619.7
30°	487.9	523.7	562.7	597.6	643.6	664.0	679.0	683.9	657.3	603.4	541.0
32.5°	464.5	499.4	540.5	582.6	629.0	648.5	658.2	645.4	596.7	528.6	452.5
35°	437.0	476.4	519.3	563.1	609.1	623.7	629.5	598.0	535.7	447.6	372.0
37.5°	412.3	451.6	497.6	542.3	587.0	594.9	589.2	540.1	460.9	373.8	299.9
40°	383.1	425.1	470.2	520.2	556.9	559.1	545.0	481.3	383.1	301.2	255.7
42.5°	356.1	398.5	443.7	494.5	522.4	514.9	495.9	412.3	319.8	259.7	222.9
45°	328.2	368.5	417.1	462.2	482.2	464.5	435.7	346.8	268.5	223.4	195.1
47.5°	301.2	338.8	387.0	430.4	433.9	414.0	380.0	290.6	232.7	196.4	173.4
50°	274.7	312.3	357.4	393.2	389.7	362.3	323.8	252.6	202.1	173.4	154.4
52.5°	248.2	282.2	326.0	354.3	339.3	312.7	274.7	214.1	176.5	151.3	136.7
55°	221.6	253.5	291.1	314.5	290.6	260.1	233.1	183.6	153.0	132.7	121.6
57.5°	199.5	224.7	259.2	273.4	244.6	220.7	197.3	157.9	132.7	118.1	105.3
60°	175.2	198.2	226.5	234.9	205.2	185.8	165.9	133.6	113.7	100.9	92.4
62.5°	154.4	173.4	195.1	195.1	169.0	154.4	139.3	111.9	95.5	85.4	81.4
65°	134.0	147.7	163.2	161.5	139.3	126.5	114.6	92.4	80.1	73.0	69.0
67.5°	114.1	124.7	134.9	128.7	112.8	101.7	90.7	74.8	66.4	61.5	56.2
70°	96.0	104.4	109.7	104.0	88.0	78.7	70.8	60.2	53.5	47.3	44.2
72.5°	80.5	84.0	85.8	78.7	65.5	60.2	54.4	46.9	41.1	38.0	37.2
75°	62.8	65.9	64.6	59.3	48.2	44.2	39.8	34.5	33.2	31.4	30.5
77.5°	49.1	49.1	46.9	42.0	34.5	31.4	29.6	27.0	25.7	25.2	24.3
80°	34.9	34.5	33.2	27.9	23.4	21.7	21.7	19.9	19.5	18.6	18.6
82.5°	23.0	23.0	21.2	16.8	15.5	15.0	14.6	13.7	13.7	13.3	13.3
85°	13.7	12.8	10.6	9.3	8.8	8.8	8.4	8.0	8.4	8.0	8.0
87.5°	6.2	4.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
90°	0.4	1.3	2.3	3.2	4.1	4.6	5.5	7.2	8.9	10.7	12.4
92.5°	7.8	8.4	9.1	9.7	10.4	10.7	10.7	10.8	10.9	10.9	11.0
95°	18.5	19.3	20.1	20.8	21.6	22.0	22.1	22.3	22.4	22.6	22.8
97.5°	30.9	31.6	32.3	33.0	33.7	34.1	34.3	34.6	34.9	35.3	35.6
100°	45.1	45.7	46.4	47.0	47.7	48.0	48.1	48.4	48.6	48.9	49.1
102.5°	60.1	60.6	61.0	61.5	62.0	62.2	62.4	62.7	63.0	63.3	63.6
105°	76.4	76.6	76.9	77.1	77.4	77.5	77.6	77.7	77.9	78.0	78.2
107.5°	92.8	93.1	93.4	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2
110°	108.4	108.9	109.4	109.9	110.4	110.6	110.6	110.6	110.6	110.6	110.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	125.5	126.0	126.4	126.9	127.4	127.6	127.6	127.5	127.4	127.4	127.3
115°	142.2	142.7	143.1	143.6	144.1	144.3	144.2	144.1	143.9	143.8	143.6
117.5°	158.9	159.5	160.2	160.8	161.5	161.8	161.6	161.2	160.8	160.4	160.0
120°	175.6	176.2	176.9	177.5	178.2	178.5	178.2	177.5	176.9	176.2	175.6
122.5°	190.9	191.7	192.5	193.3	194.1	194.5	194.3	193.9	193.5	193.1	192.7
125°	206.9	207.6	208.3	209.0	209.7	210.1	210.0	209.7	209.5	209.2	209.0
127.5°	222.5	223.4	224.3	225.2	226.1	226.5	226.3	226.0	225.7	225.3	225.0
130°	237.1	238.1	239.1	240.2	241.2	241.7	241.6	241.5	241.3	241.2	241.0
132.5°	253.5	254.3	255.1	255.8	256.6	257.0	257.0	257.1	257.2	257.3	257.4
135°	267.7	268.6	269.4	270.3	271.2	271.6	271.7	271.8	272.0	272.1	272.3
137.5°	283.3	284.0	284.7	285.4	286.1	286.5	286.6	286.7	286.9	287.0	287.2
140°	297.2	297.9	298.6	299.3	300.0	300.4	300.6	301.0	301.4	301.8	302.2
142.5°	311.4	312.1	312.8	313.5	314.2	314.6	314.7	315.0	315.2	315.5	315.7
145°	324.9	325.5	326.0	326.6	327.1	327.4	327.6	328.1	328.6	329.1	329.6
147.5°	337.0	337.7	338.4	339.1	339.8	340.2	340.4	340.7	341.0	341.3	341.6
150°	349.5	350.0	350.4	350.9	351.4	351.6	351.8	352.1	352.4	352.7	353.0
152.5°	360.5	361.0	361.4	361.9	362.4	362.6	362.8	363.2	363.6	364.0	364.4
155°	371.5	371.7	372.0	372.2	372.5	372.6	372.7	372.9	373.2	373.4	373.6
157.5°	381.1	381.3	381.4	381.6	381.7	381.8	381.9	382.0	382.2	382.3	382.5
160°	389.6	389.8	389.9	390.1	390.2	390.3	390.3	390.4	390.5	390.6	390.7
162.5°	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.6	397.7	397.7	397.8
165°	404.2	404.1	404.1	404.0	403.9	403.9	403.9	403.9	403.9	403.9	403.9
167.5°	410.3	410.1	409.8	409.6	409.3	409.2	409.2	409.2	409.2	409.2	409.2
170°	414.9	414.7	414.4	414.2	413.9	413.8	413.8	413.7	413.6	413.6	413.5
172.5°	418.1	417.9	417.6	417.4	417.1	417.0	417.0	416.9	416.8	416.8	416.7
175°	420.6	420.4	420.1	419.9	419.6	419.5	419.4	419.3	419.1	419.0	418.8
177.5°	422.0	421.8	421.5	421.3	421.0	420.9	420.8	420.7	420.5	420.4	420.2
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	659.1	660.0	661.3	667.5	668.4	670.1	669.3	669.3	669.7	668.8	669.3
5°	687.4	688.7	695.4	702.9	704.6	702.9	705.1	708.2	708.2	708.2	707.3
7.5°	713.9	718.8	726.3	737.4	739.6	741.8	745.8	743.1	744.0	748.0	746.7
10°	739.6	746.7	755.1	764.4	769.2	772.3	774.1	778.1	787.4	776.8	780.7
12.5°	763.9	774.1	782.9	793.1	796.7	800.6	802.0	805.5	805.5	805.1	808.2
15°	779.8	789.1	797.1	803.7	804.6	803.7	802.8	803.3	804.6	799.3	802.4
17.5°	783.4	784.3	786.9	784.3	784.7	775.4	770.1	768.8	756.4	756.8	767.0
20°	766.1	751.1	747.1	732.5	723.7	699.8	698.9	692.3	666.2	674.1	672.4
22.5°	718.8	693.1	659.1	642.3	633.9	608.7	589.2	575.5	566.2	556.9	552.9
25°	656.4	614.9	566.6	533.5	528.6	505.2	469.3	452.5	432.6	426.4	437.0
27.5°	575.9	522.0	467.6	416.7	407.4	386.2	368.0	356.1	333.1	331.8	332.6
30°	466.7	412.3	366.7	333.5	310.5	300.8	288.8	280.0	270.7	274.3	275.1
32.5°	383.5	331.8	289.3	271.6	261.0	254.8	244.6	238.9	234.9	233.6	233.1
35°	304.8	270.3	251.2	234.0	227.8	223.4	215.9	213.2	209.7	210.1	210.1
37.5°	261.0	232.2	218.1	209.2	203.5	201.3	196.4	193.7	191.5	190.6	192.0
40°	225.2	205.2	196.4	188.4	183.6	182.7	180.0	176.9	174.3	174.7	176.1
42.5°	199.1	187.6	176.9	170.7	167.2	165.9	163.7	161.5	161.5	160.1	159.7
45°	178.3	169.0	160.1	154.4	152.2	150.4	147.7	147.3	145.5	146.0	146.4
47.5°	159.7	152.2	145.5	139.8	137.6	137.1	134.5	132.7	132.7	132.3	131.8
50°	142.9	135.4	129.6	126.5	123.4	122.5	122.1	121.6	120.8	120.8	121.2
52.5°	129.2	121.6	117.2	114.6	112.8	111.9	111.9	111.5	111.5	111.5	111.0
55°	114.1	107.9	104.4	103.5	102.6	102.2	101.7	100.9	100.4	101.3	100.4
57.5°	100.0	97.8	94.7	93.8	91.6	91.6	90.2	89.4	88.5	89.4	89.4
60°	88.9	85.8	84.0	81.4	79.6	77.9	75.6	75.2	74.3	73.9	73.4
62.5°	77.4	74.8	70.3	66.4	63.7	61.9	61.0	60.6	60.6	60.2	60.2
65°	64.6	58.4	56.2	54.9	54.4	54.0	53.1	52.6	53.1	52.6	53.1
67.5°	50.4	49.5	48.2	47.3	46.9	46.4	46.4	46.0	46.0	46.0	46.0
70°	43.8	41.6	41.1	40.3	40.3	39.8	39.8	39.8	39.8	39.4	40.3
72.5°	36.3	34.9	34.5	34.1	34.1	34.1	33.6	33.6	33.6	33.2	33.6
75°	29.6	29.2	28.3	28.3	27.9	28.3	27.9	27.9	27.4	27.9	27.9
77.5°	23.9	23.4	23.0	23.0	22.6	22.6	22.6	22.6	22.6	22.6	23.0
80°	18.1	17.7	17.3	17.7	17.3	17.7	17.3	17.3	17.7	17.3	17.3
82.5°	13.3	12.8	12.8	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
85°	8.0	7.5	7.5	8.0	7.5	8.0	7.5	7.5	7.5	8.0	8.0
87.5°	3.5	4.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
90°	12.2	12.1	11.9	11.8	11.7	11.7	11.8	11.9	12.0	12.1	12.0
92.5°	11.1	11.2	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
95°	22.8	22.8	22.8	22.8	22.8	22.7	22.5	22.4	22.2	22.0	22.2
97.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
100°	49.1	49.1	49.1	49.1	49.1	49.1	49.0	48.9	48.8	48.7	48.8
102.5°	63.7	63.8	63.9	64.0	64.0	64.0	63.9	63.8	63.7	63.6	63.7
105°	78.4	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
107.5°	94.3	94.4	94.5	94.6	94.6	94.4	94.0	93.6	93.2	92.8	93.2
110°	110.6	110.6	110.6	110.6	110.6	110.5	110.2	110.0	109.7	109.5	109.7

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	127.1	126.8	126.6	126.3	126.2	126.1	126.0	125.8	125.7	125.5	125.7
115°	143.5	143.5	143.4	143.3	143.3	143.2	142.9	142.7	142.4	142.2	142.4
117.5°	159.8	159.5	159.3	159.0	158.9	158.8	158.5	158.3	158.0	157.8	158.0
120°	175.6	175.6	175.6	175.6	175.6	175.5	175.3	175.0	174.8	174.6	174.8
122.5°	192.5	192.2	192.0	191.7	191.6	191.5	191.4	191.2	191.1	190.9	191.1
125°	208.8	208.6	208.3	208.1	208.0	208.0	207.9	207.8	207.7	207.6	207.7
127.5°	224.7	224.4	224.1	223.8	223.6	223.5	223.2	223.0	222.7	222.5	222.7
130°	240.8	240.7	240.5	240.4	240.3	240.1	239.8	239.5	239.2	238.9	239.2
132.5°	257.0	256.6	256.2	255.8	255.6	255.5	255.2	255.0	254.7	254.5	254.7
135°	272.2	272.2	272.1	272.0	272.0	271.9	271.6	271.4	271.1	270.9	271.1
137.5°	287.1	287.1	287.0	286.9	286.9	286.7	286.4	286.1	285.8	285.5	285.8
140°	302.2	302.2	302.2	302.2	302.2	302.0	301.7	301.4	301.1	300.8	301.1
142.5°	315.8	315.8	315.9	316.0	316.0	315.8	315.5	315.2	314.9	314.6	314.9
145°	329.7	329.7	329.8	329.9	329.9	329.7	329.4	329.1	328.8	328.5	328.8
147.5°	341.8	342.0	342.1	342.3	342.4	342.2	341.9	341.6	341.2	340.9	341.2
150°	353.2	353.5	353.7	354.0	354.1	354.0	353.7	353.5	353.2	353.0	353.2
152.5°	364.7	365.0	365.3	365.6	365.8	365.6	365.3	365.0	364.7	364.4	364.7
155°	374.0	374.4	374.8	375.2	375.4	375.3	375.0	374.8	374.5	374.3	374.5
157.5°	383.1	383.6	384.2	384.7	385.0	384.8	384.4	384.0	383.6	383.2	383.6
160°	391.2	391.6	392.1	392.6	392.8	392.6	392.3	392.0	391.7	391.4	391.7
162.5°	398.4	398.9	399.5	400.0	400.3	400.1	399.7	399.3	398.9	398.5	398.9
165°	404.4	405.0	405.5	406.0	406.3	406.1	405.7	405.4	405.0	404.6	405.0
167.5°	409.8	410.3	410.9	411.4	411.7	411.5	411.1	410.7	410.3	409.9	410.3
170°	414.0	414.6	415.1	415.6	415.9	415.7	415.2	414.7	414.3	413.8	414.3
172.5°	417.2	417.8	418.3	418.8	419.1	418.9	418.4	417.9	417.5	417.0	417.5
175°	419.4	419.9	420.5	421.0	421.3	421.1	420.6	420.1	419.6	419.1	419.6
177.5°	420.7	421.1	421.6	422.1	422.3	422.1	421.6	421.1	420.7	420.2	420.7
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	671.0	667.9	667.0	667.9	667.0	667.5	664.4	652.9	656.0	651.1	653.8
5°	709.1	706.4	700.7	699.8	698.9	698.0	693.6	683.4	679.4	672.8	672.4
7.5°	745.3	745.3	740.9	737.8	733.8	730.7	725.0	710.0	703.8	695.8	691.4
10°	781.2	769.7	774.5	771.4	761.7	759.9	749.3	740.5	728.5	720.6	713.5
12.5°	806.8	803.3	798.9	796.2	793.6	787.8	780.7	758.2	752.0	736.1	728.1
15°	805.9	803.7	805.1	805.1	804.2	802.8	797.1	780.7	770.1	754.6	740.9
17.5°	762.6	768.3	774.1	778.1	786.9	790.9	796.2	786.5	779.8	766.6	752.0
20°	687.0	701.1	717.9	721.5	729.4	752.9	763.5	771.9	774.5	770.1	758.2
22.5°	581.7	593.6	634.3	633.4	644.9	672.8	703.8	729.0	748.9	759.9	755.5
25°	455.6	472.4	494.1	510.5	548.1	589.6	628.1	668.4	702.9	733.4	740.9
27.5°	344.6	366.7	384.0	405.6	424.6	473.7	523.3	586.1	626.4	684.3	714.4
30°	278.7	288.8	306.1	316.3	325.6	363.2	419.3	481.3	552.0	618.8	670.6
32.5°	238.0	245.1	257.9	262.3	272.0	297.3	332.6	389.3	462.2	543.2	611.3
35°	213.7	221.2	223.8	227.8	235.8	251.7	276.0	317.2	383.1	462.2	543.6
37.5°	192.9	196.8	204.4	207.0	209.7	221.6	238.0	266.7	310.5	375.5	465.8
40°	178.3	180.5	184.5	186.7	188.4	196.8	211.4	230.9	263.2	312.7	395.9
42.5°	162.8	165.4	168.1	170.7	173.0	179.6	188.4	207.0	228.7	266.3	326.4
45°	147.7	149.5	152.6	154.4	157.5	162.8	170.7	183.6	203.0	226.9	275.6
47.5°	134.0	136.2	137.6	139.8	142.0	147.7	155.3	163.7	179.6	203.0	238.4
50°	121.6	124.3	126.1	126.5	128.3	133.6	139.8	149.1	159.2	177.4	208.3
52.5°	112.8	113.2	114.6	116.3	115.9	119.0	124.7	131.8	142.4	157.0	179.6
55°	102.6	104.0	104.8	105.3	105.3	107.9	111.0	117.7	126.1	138.0	157.0
57.5°	89.8	91.1	93.8	94.7	96.0	97.3	98.6	103.1	110.1	121.6	137.1
60°	76.5	77.4	80.1	81.8	82.7	86.3	88.0	91.6	95.5	104.0	118.5
62.5°	61.5	62.4	63.7	65.5	67.2	72.5	77.0	80.5	83.6	89.4	101.3
65°	53.5	54.0	54.9	55.3	55.7	57.9	61.9	66.8	72.5	77.0	84.0
67.5°	46.4	46.9	47.3	48.2	48.7	49.1	50.9	52.2	57.9	64.1	69.4
70°	39.8	40.7	41.1	41.1	41.6	42.5	43.3	45.1	46.9	50.0	56.6
72.5°	33.6	34.1	34.9	34.9	34.9	35.8	36.7	37.6	38.5	40.3	42.9
75°	27.9	28.8	28.8	28.8	29.2	29.2	30.1	31.0	31.8	33.2	34.1
77.5°	23.0	23.0	23.0	23.0	23.4	23.4	23.9	24.8	25.2	25.7	26.5
80°	17.3	17.7	17.7	17.7	18.1	18.1	18.1	19.0	19.5	19.5	20.3
82.5°	12.8	12.8	12.8	13.3	12.8	13.3	13.3	13.7	13.3	13.7	14.2
85°	8.0	8.0	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.8
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.0	4.0
90°	11.9	11.8	11.7	11.7	11.8	11.9	12.1	12.2	12.4	10.7	8.9
92.5°	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.9	10.9
95°	22.4	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.6	22.4
97.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.3	34.9
100°	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	48.9	48.6
102.5°	63.8	63.9	64.0	64.0	64.0	63.9	63.8	63.7	63.6	63.3	63.0
105°	78.9	78.9	78.9	78.9	78.8	78.7	78.5	78.4	78.2	78.0	77.9
107.5°	93.6	94.0	94.4	94.6	94.6	94.5	94.4	94.3	94.2	94.2	94.2
110°	110.0	110.2	110.5	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	125.8	126.0	126.1	126.2	126.3	126.6	126.8	127.1	127.3	127.4	127.4
115°	142.7	142.9	143.2	143.3	143.3	143.4	143.5	143.5	143.6	143.8	143.9
117.5°	158.3	158.5	158.8	158.9	159.0	159.3	159.5	159.8	160.0	160.4	160.8
120°	175.0	175.3	175.5	175.6	175.6	175.6	175.6	175.6	175.6	176.2	176.9
122.5°	191.2	191.4	191.5	191.6	191.7	192.0	192.2	192.5	192.7	193.1	193.5
125°	207.8	207.9	208.0	208.0	208.1	208.3	208.6	208.8	209.0	209.2	209.5
127.5°	223.0	223.2	223.5	223.6	223.8	224.1	224.4	224.7	225.0	225.3	225.7
130°	239.5	239.8	240.1	240.3	240.4	240.5	240.7	240.8	241.0	241.2	241.3
132.5°	255.0	255.2	255.5	255.6	255.8	256.2	256.6	257.0	257.4	257.3	257.2
135°	271.4	271.6	271.9	272.0	272.0	272.1	272.2	272.2	272.3	272.1	272.0
137.5°	286.1	286.4	286.7	286.9	286.9	287.0	287.1	287.1	287.2	287.0	286.9
140°	301.4	301.7	302.0	302.2	302.2	302.2	302.2	302.2	302.2	301.8	301.4
142.5°	315.2	315.5	315.8	316.0	316.0	315.9	315.8	315.8	315.7	315.5	315.2
145°	329.1	329.4	329.7	329.9	329.9	329.8	329.7	329.7	329.6	329.1	328.6
147.5°	341.6	341.9	342.2	342.4	342.3	342.1	342.0	341.8	341.6	341.3	341.0
150°	353.5	353.7	354.0	354.1	354.0	353.7	353.5	353.2	353.0	352.7	352.4
152.5°	365.0	365.3	365.6	365.8	365.6	365.3	365.0	364.7	364.4	364.0	363.6
155°	374.8	375.0	375.3	375.4	375.2	374.8	374.4	374.0	373.6	373.4	373.2
157.5°	384.0	384.4	384.8	385.0	384.7	384.2	383.6	383.1	382.5	382.3	382.2
160°	392.0	392.3	392.6	392.8	392.6	392.1	391.6	391.2	390.7	390.6	390.5
162.5°	399.3	399.7	400.1	400.3	400.0	399.5	398.9	398.4	397.8	397.7	397.7
165°	405.4	405.7	406.1	406.3	406.0	405.5	405.0	404.4	403.9	403.9	403.9
167.5°	410.7	411.1	411.5	411.7	411.4	410.9	410.3	409.8	409.2	409.2	409.2
170°	414.7	415.2	415.7	415.9	415.6	415.1	414.6	414.0	413.5	413.6	413.6
172.5°	417.9	418.4	418.9	419.1	418.8	418.3	417.8	417.2	416.7	416.8	416.8
175°	420.1	420.6	421.1	421.3	421.0	420.5	419.9	419.4	418.8	419.0	419.1
177.5°	421.1	421.6	422.1	422.3	422.1	421.6	421.1	420.7	420.2	420.4	420.5
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	649.8	647.6	647.6	646.3	646.3	639.2	639.2	641.4	638.7	635.6	631.2
5°	666.6	661.7	660.4	658.6	652.9	644.0	640.5	639.2	633.9	627.2	619.7
7.5°	682.5	674.6	670.6	666.6	659.1	646.7	639.6	634.8	626.8	616.6	606.9
10°	698.0	687.8	677.7	672.8	662.2	646.7	636.5	628.6	617.1	603.4	589.6
12.5°	712.2	690.9	689.2	679.4	664.0	646.3	630.8	619.3	604.7	588.8	572.8
15°	724.6	702.9	692.3	683.4	663.1	641.0	624.6	610.4	591.0	572.8	553.4
17.5°	730.7	707.3	700.2	685.6	664.8	636.1	614.0	596.7	575.5	553.8	531.7
20°	736.9	709.5	698.0	687.8	659.5	626.8	602.0	582.1	558.7	533.0	508.7
22.5°	740.0	709.5	695.8	681.6	654.2	616.6	587.4	564.0	536.6	510.5	481.3
25°	734.7	706.9	690.5	675.9	644.9	604.2	570.6	544.1	514.9	485.2	455.6
27.5°	721.5	700.7	681.6	666.6	632.1	588.3	552.9	522.8	492.8	459.6	429.5
30°	696.7	687.4	672.4	655.5	618.0	574.2	532.1	501.2	468.0	434.8	403.4
32.5°	658.2	666.2	656.4	641.8	601.1	554.7	510.0	478.6	442.3	406.5	377.8
35°	611.3	639.6	634.3	624.1	583.4	533.9	489.2	451.2	414.9	378.6	349.9
37.5°	560.0	602.9	607.3	601.1	563.1	512.7	463.6	426.4	389.3	352.5	323.4
40°	489.7	555.6	569.7	572.4	541.9	487.0	435.7	399.4	362.7	326.9	291.5
42.5°	425.1	508.2	525.9	537.0	514.9	461.8	410.0	369.8	333.5	301.2	265.8
45°	364.5	451.2	479.9	494.1	484.4	433.1	379.5	341.9	308.8	279.1	245.1
47.5°	302.1	389.3	429.5	452.1	452.1	403.9	350.3	313.2	281.3	256.1	226.0
50°	260.5	333.1	374.7	404.3	412.3	374.2	323.8	287.5	257.4	230.0	207.0
52.5°	222.1	287.1	321.6	352.5	375.5	342.4	294.2	261.4	231.8	206.1	188.0
55°	192.0	240.6	272.0	306.1	331.8	310.1	265.4	233.6	207.9	186.7	171.2
57.5°	163.2	205.7	231.3	261.4	288.8	272.5	236.7	209.2	186.7	168.1	154.4
60°	138.9	173.4	193.3	216.7	250.8	239.3	209.7	184.5	166.3	149.5	138.0
62.5°	118.1	145.5	162.3	179.1	210.1	204.8	181.8	162.3	146.9	132.7	123.0
65°	96.9	119.4	132.7	147.3	172.1	174.3	155.7	142.0	127.8	115.5	106.6
67.5°	78.3	96.0	107.9	120.3	140.2	146.4	133.6	122.1	110.1	100.0	92.0
70°	63.3	75.6	84.5	94.2	110.6	118.1	111.5	103.5	93.8	85.4	78.3
72.5°	50.0	57.9	63.3	70.8	84.0	91.6	91.1	84.0	77.0	71.2	65.5
75°	36.7	42.9	47.3	52.2	62.8	69.9	71.7	68.6	61.5	57.1	52.6
77.5°	27.9	31.4	33.6	37.2	44.7	50.9	53.5	52.6	47.8	44.2	41.1
80°	21.2	22.1	23.0	24.3	30.5	36.3	38.0	37.6	34.9	33.6	30.1
82.5°	15.0	15.5	15.9	16.4	18.6	23.4	25.2	26.1	23.9	22.6	19.5
85°	8.8	9.3	9.3	10.2	10.6	11.9	15.0	15.0	14.6	12.8	12.4
87.5°	4.4	4.4	4.0	4.0	4.4	4.9	5.8	6.6	5.8	5.3	4.9
90°	7.2	5.5	4.6	4.1	3.2	2.3	1.3	0.4	1.3	2.3	3.2
92.5°	10.8	10.7	10.7	10.4	9.7	9.1	8.4	7.8	8.4	9.1	9.7
95°	22.3	22.1	22.0	21.6	20.8	20.1	19.3	18.5	19.3	20.1	20.8
97.5°	34.6	34.3	34.1	33.7	33.0	32.3	31.6	30.9	31.6	32.3	33.0
100°	48.4	48.1	48.0	47.7	47.0	46.4	45.7	45.1	45.7	46.4	47.0
102.5°	62.7	62.4	62.2	62.0	61.5	61.0	60.6	60.1	60.6	61.0	61.5
105°	77.7	77.6	77.5	77.4	77.1	76.9	76.6	76.4	76.6	76.9	77.1
107.5°	94.2	94.2	94.2	94.0	93.7	93.4	93.1	92.8	93.1	93.4	93.7
110°	110.6	110.6	110.6	110.4	109.9	109.4	108.9	108.4	108.9	109.4	109.9

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	127.5	127.6	127.6	127.4	126.9	126.4	126.0	125.5	126.0	126.4	126.9
115°	144.1	144.2	144.3	144.1	143.6	143.1	142.7	142.2	142.7	143.1	143.6
117.5°	161.2	161.6	161.8	161.5	160.8	160.2	159.5	158.9	159.5	160.2	160.8
120°	177.5	178.2	178.5	178.2	177.5	176.9	176.2	175.6	176.2	176.9	177.5
122.5°	193.9	194.3	194.5	194.1	193.3	192.5	191.7	190.9	191.7	192.5	193.3
125°	209.7	210.0	210.1	209.7	209.0	208.3	207.6	206.9	207.6	208.3	209.0
127.5°	226.0	226.3	226.5	226.1	225.2	224.3	223.4	222.5	223.4	224.3	225.2
130°	241.5	241.6	241.7	241.2	240.2	239.1	238.1	237.1	238.1	239.1	240.2
132.5°	257.1	257.0	257.0	256.6	255.8	255.1	254.3	253.5	254.3	255.1	255.8
135°	271.8	271.7	271.6	271.2	270.3	269.4	268.6	267.7	268.6	269.4	270.3
137.5°	286.7	286.6	286.5	286.1	285.4	284.7	284.0	283.3	284.0	284.7	285.4
140°	301.0	300.6	300.4	300.0	299.3	298.6	297.9	297.2	297.9	298.6	299.3
142.5°	315.0	314.7	314.6	314.2	313.5	312.8	312.1	311.4	312.1	312.8	313.5
145°	328.1	327.6	327.4	327.1	326.6	326.0	325.5	324.9	325.5	326.0	326.6
147.5°	340.7	340.4	340.2	339.8	339.1	338.4	337.7	337.0	337.7	338.4	339.1
150°	352.1	351.8	351.6	351.4	350.9	350.4	350.0	349.5	350.0	350.4	350.9
152.5°	363.2	362.8	362.6	362.4	361.9	361.4	361.0	360.5	361.0	361.4	361.9
155°	372.9	372.7	372.6	372.5	372.2	372.0	371.7	371.5	371.7	372.0	372.2
157.5°	382.0	381.9	381.8	381.7	381.6	381.4	381.3	381.1	381.3	381.4	381.6
160°	390.4	390.3	390.3	390.2	390.1	389.9	389.8	389.6	389.8	389.9	390.1
162.5°	397.6	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5
165°	403.9	403.9	403.9	403.9	404.0	404.1	404.1	404.2	404.1	404.1	404.0
167.5°	409.2	409.2	409.2	409.3	409.6	409.8	410.1	410.3	410.1	409.8	409.6
170°	413.7	413.8	413.8	413.9	414.2	414.4	414.7	414.9	414.7	414.4	414.2
172.5°	416.9	417.0	417.0	417.1	417.4	417.6	417.9	418.1	417.9	417.6	417.4
175°	419.3	419.4	419.5	419.6	419.9	420.1	420.4	420.6	420.4	420.1	419.9
177.5°	420.7	420.8	420.9	421.0	421.3	421.5	421.8	422.0	421.8	421.5	421.3
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	629.5	629.9	631.2	627.2	621.0	618.4	610.4	609.1	607.8	607.8	609.1
5°	615.3	613.5	614.0	606.4	597.6	592.3	581.2	583.0	577.3	573.7	574.6
7.5°	599.8	594.9	594.5	584.8	573.7	564.0	552.5	549.8	544.5	538.3	535.7
10°	580.4	576.8	570.2	559.1	545.0	537.0	521.5	512.2	510.9	501.6	498.1
12.5°	560.4	554.3	547.6	532.1	516.2	503.4	491.9	481.7	474.6	466.7	461.4
15°	537.4	529.9	522.4	506.0	487.5	474.6	457.4	442.3	421.6	405.2	395.9
17.5°	512.2	503.8	493.7	475.5	457.4	439.7	407.8	390.1	375.5	365.8	360.1
20°	486.1	476.8	466.7	448.5	417.1	386.2	368.5	354.8	345.9	336.2	329.1
22.5°	458.7	449.0	437.9	409.6	376.4	354.8	341.0	328.2	315.4	310.1	306.5
25°	433.1	424.2	410.0	371.6	345.5	325.6	310.1	301.7	295.0	288.0	281.3
27.5°	406.5	390.1	370.2	337.9	321.6	301.2	290.2	284.0	272.5	267.6	264.5
30°	374.7	356.5	337.5	314.5	295.5	281.3	271.2	261.0	254.3	249.5	244.2
32.5°	342.4	325.1	313.2	289.3	275.1	260.5	250.8	244.6	234.9	231.8	229.6
35°	314.5	299.9	289.3	269.8	256.6	243.3	236.2	226.9	220.7	215.0	211.4
37.5°	287.1	279.1	268.1	251.7	237.5	226.9	217.2	214.1	205.7	202.6	199.1
40°	268.1	256.1	246.8	232.7	220.7	209.2	203.0	196.0	190.2	185.3	184.0
42.5°	245.1	236.2	230.9	215.4	203.0	196.4	188.9	180.9	176.5	172.5	167.6
45°	227.8	219.8	212.3	199.9	188.9	180.5	173.8	168.5	161.0	159.2	151.7
47.5°	209.7	201.7	196.0	183.6	173.4	165.4	160.6	153.5	147.3	143.3	139.8
50°	191.5	184.9	179.6	169.0	160.1	151.7	145.1	138.0	135.4	128.7	126.5
52.5°	174.3	169.9	164.1	153.9	145.1	138.0	130.9	125.2	121.2	117.7	115.0
55°	159.7	152.6	150.0	138.9	131.4	123.9	117.7	114.1	109.3	107.0	104.8
57.5°	143.3	139.3	134.9	126.5	118.1	111.0	106.6	101.3	98.6	96.0	94.2
60°	129.2	123.4	119.9	112.8	105.3	98.6	94.7	90.7	87.1	84.9	81.4
62.5°	112.8	108.4	106.2	98.6	92.4	86.3	82.7	78.7	76.1	72.1	67.7
65°	98.6	95.1	92.4	86.3	80.5	74.8	71.2	66.4	62.8	60.6	60.2
67.5°	86.3	83.6	79.6	73.9	68.1	63.7	59.7	55.7	55.3	54.4	54.4
70°	72.5	69.9	67.7	61.5	56.6	51.8	50.9	49.5	48.2	47.8	46.9
72.5°	60.6	58.4	55.7	50.4	45.6	44.2	43.3	42.5	41.1	40.7	40.3
75°	49.1	46.0	44.2	39.4	38.0	37.2	36.3	34.9	34.1	33.6	32.7
77.5°	37.6	34.5	34.5	31.8	31.0	29.6	28.8	27.9	27.4	26.5	26.5
80°	26.5	26.5	25.7	24.3	23.0	22.6	21.2	20.8	20.3	20.8	19.9
82.5°	19.5	17.7	17.7	16.8	15.9	15.5	14.6	14.6	14.2	14.2	14.2
85°	11.1	11.1	10.6	9.7	9.3	9.3	8.8	8.8	8.4	8.4	8.0
87.5°	4.4	4.0	4.4	4.0	4.0	3.5	3.5	3.5	3.1	3.5	3.1
90°	4.1	4.6	5.5	7.2	8.9	10.7	12.4	12.2	12.1	11.9	11.8
92.5°	10.4	10.7	10.7	10.8	10.9	10.9	11.0	11.1	11.2	11.3	11.4
95°	21.6	22.0	22.1	22.3	22.4	22.6	22.8	22.8	22.8	22.8	22.8
97.5°	33.7	34.1	34.3	34.6	34.9	35.3	35.6	35.6	35.6	35.6	35.6
100°	47.7	48.0	48.1	48.4	48.6	48.9	49.1	49.1	49.1	49.1	49.1
102.5°	62.0	62.2	62.4	62.7	63.0	63.3	63.6	63.7	63.8	63.9	64.0
105°	77.4	77.5	77.6	77.7	77.9	78.0	78.2	78.4	78.5	78.7	78.8
107.5°	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.4	94.5	94.6
110°	110.4	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	127.4	127.6	127.6	127.5	127.4	127.4	127.3	127.1	126.8	126.6	126.3
115°	144.1	144.3	144.2	144.1	143.9	143.8	143.6	143.5	143.5	143.4	143.3
117.5°	161.5	161.8	161.6	161.2	160.8	160.4	160.0	159.8	159.5	159.3	159.0
120°	178.2	178.5	178.2	177.5	176.9	176.2	175.6	175.6	175.6	175.6	175.6
122.5°	194.1	194.5	194.3	193.9	193.5	193.1	192.7	192.5	192.2	192.0	191.7
125°	209.7	210.1	210.0	209.7	209.5	209.2	209.0	208.8	208.6	208.3	208.1
127.5°	226.1	226.5	226.3	226.0	225.7	225.3	225.0	224.7	224.4	224.1	223.8
130°	241.2	241.7	241.6	241.5	241.3	241.2	241.0	240.8	240.7	240.5	240.4
132.5°	256.6	257.0	257.0	257.1	257.2	257.3	257.4	257.0	256.6	256.2	255.8
135°	271.2	271.6	271.7	271.8	272.0	272.1	272.3	272.2	272.2	272.1	272.0
137.5°	286.1	286.5	286.6	286.7	286.9	287.0	287.2	287.1	287.1	287.0	286.9
140°	300.0	300.4	300.6	301.0	301.4	301.8	302.2	302.2	302.2	302.2	302.2
142.5°	314.2	314.6	314.7	315.0	315.2	315.5	315.7	315.8	315.8	315.9	316.0
145°	327.1	327.4	327.6	328.1	328.6	329.1	329.6	329.7	329.7	329.8	329.9
147.5°	339.8	340.2	340.4	340.7	341.0	341.3	341.6	341.8	342.0	342.1	342.3
150°	351.4	351.6	351.8	352.1	352.4	352.7	353.0	353.2	353.5	353.7	354.0
152.5°	362.4	362.6	362.8	363.2	363.6	364.0	364.4	364.7	365.0	365.3	365.6
155°	372.5	372.6	372.7	372.9	373.2	373.4	373.6	374.0	374.4	374.8	375.2
157.5°	381.7	381.8	381.9	382.0	382.2	382.3	382.5	383.1	383.6	384.2	384.7
160°	390.2	390.3	390.3	390.4	390.5	390.6	390.7	391.2	391.6	392.1	392.6
162.5°	397.5	397.5	397.5	397.6	397.7	397.7	397.8	398.4	398.9	399.5	400.0
165°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	404.4	405.0	405.5	406.0
167.5°	409.3	409.2	409.2	409.2	409.2	409.2	409.2	409.8	410.3	410.9	411.4
170°	413.9	413.8	413.8	413.7	413.6	413.6	413.5	414.0	414.6	415.1	415.6
172.5°	417.1	417.0	417.0	416.9	416.8	416.8	416.7	417.2	417.8	418.3	418.8
175°	419.6	419.5	419.4	419.3	419.1	419.0	418.8	419.4	419.9	420.5	421.0
177.5°	421.0	420.9	420.8	420.7	420.5	420.4	420.2	420.7	421.1	421.6	422.1
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	609.1	608.2	605.6	606.4	605.1	605.1	604.2	604.2	604.2	606.4	605.1
5°	575.9	572.8	569.7	568.4	567.1	565.8	565.8	565.3	569.3	568.4	571.9
7.5°	534.8	533.9	527.7	527.7	525.5	524.6	526.8	527.3	527.7	528.6	530.8
10°	498.1	495.9	487.0	487.9	486.6	484.8	486.1	485.2	488.3	489.2	488.3
12.5°	454.7	450.7	441.0	436.1	430.8	426.9	431.7	428.2	440.6	444.1	453.8
15°	397.2	389.7	383.1	383.1	378.2	374.7	376.9	380.9	383.5	387.5	389.3
17.5°	358.7	355.6	350.3	347.2	345.9	344.6	344.6	346.4	352.1	351.7	355.2
20°	326.0	324.2	321.6	317.6	316.3	315.4	315.4	315.4	319.4	322.9	325.1
22.5°	303.4	302.1	300.3	295.0	292.4	291.5	293.7	295.0	298.1	300.8	303.0
25°	280.9	277.8	274.7	272.9	271.6	271.6	272.5	272.9	274.3	275.6	278.2
27.5°	262.3	260.1	255.7	250.8	250.8	249.5	250.4	251.2	254.3	258.8	261.0
30°	241.5	241.1	239.3	237.5	235.8	234.9	236.7	238.0	238.4	240.6	240.6
32.5°	226.5	223.4	220.3	218.5	217.6	217.2	217.6	219.4	219.4	222.1	225.2
35°	211.4	209.7	206.6	203.5	202.6	200.4	202.1	203.9	207.0	208.3	209.7
37.5°	195.1	192.9	191.5	190.6	188.9	189.3	188.0	190.6	193.3	192.9	193.7
40°	182.7	178.7	174.7	174.3	173.8	173.4	173.4	173.8	175.6	177.4	180.0
42.5°	166.8	165.4	161.9	158.4	157.5	156.6	155.7	157.5	161.0	164.1	165.4
45°	150.4	148.6	147.7	145.1	143.3	142.9	142.0	144.2	147.3	148.6	149.5
47.5°	135.4	134.9	132.3	132.7	131.4	131.8	131.4	132.7	132.7	134.0	134.9
50°	125.2	123.9	122.5	121.6	120.3	120.3	119.9	120.3	122.1	123.9	123.4
52.5°	115.0	112.8	112.4	111.9	111.0	111.9	110.6	111.0	112.8	113.7	113.2
55°	103.1	102.6	101.7	100.9	100.4	100.0	100.0	100.0	101.7	103.1	103.5
57.5°	93.8	91.6	89.8	89.8	88.0	87.6	88.5	88.9	90.2	91.1	92.0
60°	80.9	80.1	77.4	76.1	73.4	73.0	73.0	74.8	77.0	80.1	80.9
62.5°	67.2	65.9	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9	65.9
65°	59.7	60.2	59.7	59.3	59.7	59.7	59.3	59.3	59.3	59.7	60.2
67.5°	53.5	53.1	53.5	53.1	52.6	52.6	52.2	52.6	53.1	53.5	53.5
70°	46.4	46.4	46.0	46.4	46.0	45.6	45.1	45.1	46.0	46.4	46.4
72.5°	39.8	39.8	39.4	39.4	38.5	38.5	38.9	38.5	38.5	39.8	39.8
75°	33.2	32.7	32.3	32.3	31.8	31.8	31.8	31.4	32.3	32.3	32.7
77.5°	26.1	26.1	26.1	25.7	25.7	25.2	25.2	25.7	25.7	25.7	26.1
80°	19.9	19.9	19.9	19.5	19.0	19.0	19.0	19.0	19.0	19.5	19.0
82.5°	13.7	13.7	13.7	13.7	13.7	13.3	13.3	13.3	13.7	13.7	13.3
85°	8.4	8.0	8.4	8.4	8.0	8.4	8.0	8.0	7.5	7.5	8.0
87.5°	3.5	3.1	2.7	2.7	3.1	2.7	2.7	2.7	3.1	2.7	2.7
90°	11.7	11.7	11.8	11.9	12.0	12.1	12.0	11.9	11.8	11.7	11.7
92.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
95°	22.8	22.7	22.5	22.4	22.2	22.0	22.2	22.4	22.5	22.7	22.8
97.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
100°	49.1	49.1	49.0	48.9	48.8	48.7	48.8	48.9	49.0	49.1	49.1
102.5°	64.0	64.0	63.9	63.8	63.7	63.6	63.7	63.8	63.9	64.0	64.0
105°	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
107.5°	94.6	94.4	94.0	93.6	93.2	92.8	93.2	93.6	94.0	94.4	94.6
110°	110.6	110.5	110.2	110.0	109.7	109.5	109.7	110.0	110.2	110.5	110.6

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	126.2	126.1	126.0	125.8	125.7	125.5	125.7	125.8	126.0	126.1	126.2
115°	143.3	143.2	142.9	142.7	142.4	142.2	142.4	142.7	142.9	143.2	143.3
117.5°	158.9	158.8	158.5	158.3	158.0	157.8	158.0	158.3	158.5	158.8	158.9
120°	175.6	175.5	175.3	175.0	174.8	174.6	174.8	175.0	175.3	175.5	175.6
122.5°	191.6	191.5	191.4	191.2	191.1	190.9	191.1	191.2	191.4	191.5	191.6
125°	208.0	208.0	207.9	207.8	207.7	207.6	207.7	207.8	207.9	208.0	208.0
127.5°	223.6	223.5	223.2	223.0	222.7	222.5	222.7	223.0	223.2	223.5	223.6
130°	240.3	240.1	239.8	239.5	239.2	238.9	239.2	239.5	239.8	240.1	240.3
132.5°	255.6	255.5	255.2	255.0	254.7	254.5	254.7	255.0	255.2	255.5	255.6
135°	272.0	271.9	271.6	271.4	271.1	270.9	271.1	271.4	271.6	271.9	272.0
137.5°	286.9	286.7	286.4	286.1	285.8	285.5	285.8	286.1	286.4	286.7	286.9
140°	302.2	302.0	301.7	301.4	301.1	300.8	301.1	301.4	301.7	302.0	302.2
142.5°	316.0	315.8	315.5	315.2	314.9	314.6	314.9	315.2	315.5	315.8	316.0
145°	329.9	329.7	329.4	329.1	328.8	328.5	328.8	329.1	329.4	329.7	329.9
147.5°	342.4	342.2	341.9	341.6	341.2	340.9	341.2	341.6	341.9	342.2	342.4
150°	354.1	354.0	353.7	353.5	353.2	353.0	353.2	353.5	353.7	354.0	354.1
152.5°	365.8	365.6	365.3	365.0	364.7	364.4	364.7	365.0	365.3	365.6	365.8
155°	375.4	375.3	375.0	374.8	374.5	374.3	374.5	374.8	375.0	375.3	375.4
157.5°	385.0	384.8	384.4	384.0	383.6	383.2	383.6	384.0	384.4	384.8	385.0
160°	392.8	392.6	392.3	392.0	391.7	391.4	391.7	392.0	392.3	392.6	392.8
162.5°	400.3	400.1	399.7	399.3	398.9	398.5	398.9	399.3	399.7	400.1	400.3
165°	406.3	406.1	405.7	405.4	405.0	404.6	405.0	405.4	405.7	406.1	406.3
167.5°	411.7	411.5	411.1	410.7	410.3	409.9	410.3	410.7	411.1	411.5	411.7
170°	415.9	415.7	415.2	414.7	414.3	413.8	414.3	414.7	415.2	415.7	415.9
172.5°	419.1	418.9	418.4	417.9	417.5	417.0	417.5	417.9	418.4	418.9	419.1
175°	421.3	421.1	420.6	420.1	419.6	419.1	419.6	420.1	420.6	421.1	421.3
177.5°	422.3	422.1	421.6	421.1	420.7	420.2	420.7	421.1	421.6	422.1	422.3
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	606.4	608.7	607.8	602.9	607.8	609.1	611.8	614.4	616.2	618.8	621.0
5°	568.4	572.8	575.5	572.8	581.7	583.0	589.2	592.7	598.0	602.5	606.0
7.5°	532.6	536.1	541.4	542.3	547.6	553.8	562.7	571.5	579.9	584.3	588.3
10°	494.1	500.3	508.2	506.5	514.4	524.2	533.5	547.6	554.7	562.7	569.7
12.5°	455.6	459.6	470.2	473.7	485.2	492.8	505.6	514.4	532.1	541.4	547.6
15°	388.4	404.7	418.0	433.9	449.0	463.1	474.6	490.6	506.0	513.1	523.3
17.5°	357.9	365.4	373.3	381.3	400.8	426.0	446.3	463.6	476.8	486.1	498.1
20°	326.0	333.5	342.4	349.9	361.8	380.0	405.2	434.8	450.7	460.5	472.0
22.5°	303.4	310.5	316.3	322.9	332.2	345.5	364.5	401.2	422.4	434.4	444.6
25°	279.1	288.0	294.2	299.0	306.5	321.1	336.6	357.4	395.5	404.7	418.9
27.5°	262.3	265.0	272.0	279.6	287.1	295.0	311.0	328.7	354.3	374.7	391.9
30°	242.4	249.0	255.7	258.8	265.4	276.9	286.6	305.7	325.6	341.5	362.3
32.5°	227.4	231.3	235.8	243.3	249.5	257.4	267.2	283.1	299.9	310.1	326.0
35°	210.6	213.2	222.5	225.6	231.8	239.7	249.5	261.9	280.0	288.0	299.5
37.5°	194.6	200.8	203.5	210.6	216.3	224.3	231.3	245.5	257.4	266.7	277.3
40°	182.2	184.9	189.8	196.0	200.8	207.0	215.9	226.0	238.9	246.4	255.7
42.5°	167.2	169.4	175.6	179.1	187.1	192.9	198.2	210.6	222.1	227.8	237.1
45°	150.8	156.1	160.1	167.2	171.6	178.7	185.3	194.2	204.8	211.4	216.7
47.5°	136.7	142.0	146.0	152.6	159.7	162.8	169.9	179.1	188.9	194.2	201.7
50°	125.2	127.0	134.5	137.6	145.1	151.3	156.1	164.1	174.7	177.8	184.0
52.5°	114.1	115.5	120.3	124.3	130.9	136.2	142.4	150.0	158.8	163.7	168.5
55°	104.4	105.3	107.5	111.9	116.3	123.0	128.7	135.8	143.3	148.6	153.0
57.5°	93.3	95.1	96.9	99.5	104.0	110.1	116.3	123.0	129.2	132.7	138.5
60°	80.5	83.2	86.3	89.4	92.4	96.9	104.0	110.1	115.9	119.0	123.4
62.5°	66.8	72.1	74.8	78.3	80.9	84.9	90.2	97.3	101.3	105.3	108.8
65°	60.2	60.6	61.0	64.6	69.4	73.4	78.3	83.6	89.8	92.4	95.1
67.5°	53.5	54.0	54.9	55.3	57.1	61.5	66.8	72.5	77.4	79.2	81.8
70°	46.9	46.9	48.7	49.1	49.5	50.0	54.4	60.2	64.6	66.8	69.9
72.5°	39.8	40.3	41.1	41.6	42.5	43.3	44.7	47.8	53.1	55.3	58.8
75°	32.7	33.2	33.6	34.1	35.4	35.8	37.2	38.9	41.1	43.8	46.0
77.5°	26.1	26.1	26.5	27.4	28.3	28.8	30.1	31.0	31.8	33.2	34.9
80°	19.5	19.9	19.9	20.8	20.8	21.2	21.7	23.0	23.9	24.8	25.7
82.5°	13.3	14.2	14.2	14.2	14.6	15.0	15.5	15.5	16.4	16.8	18.1
85°	8.0	8.4	8.4	8.4	8.0	8.8	8.8	9.3	9.3	9.3	9.7
87.5°	3.1	2.7	3.1	3.1	3.1	3.5	3.1	3.1	3.5	4.0	4.0
90°	11.8	11.9	12.1	12.2	12.4	10.7	8.9	7.2	5.5	4.6	4.1
92.5°	11.4	11.3	11.2	11.1	11.0	10.9	10.9	10.8	10.7	10.7	10.4
95°	22.8	22.8	22.8	22.8	22.8	22.6	22.4	22.3	22.1	22.0	21.6
97.5°	35.6	35.6	35.6	35.6	35.6	35.3	34.9	34.6	34.3	34.1	33.7
100°	49.1	49.1	49.1	49.1	49.1	48.9	48.6	48.4	48.1	48.0	47.7
102.5°	64.0	63.9	63.8	63.7	63.6	63.3	63.0	62.7	62.4	62.2	62.0
105°	78.8	78.7	78.5	78.4	78.2	78.0	77.9	77.7	77.6	77.5	77.4
107.5°	94.6	94.5	94.4	94.3	94.2	94.2	94.2	94.2	94.2	94.2	94.0
110°	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.4

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	126.3	126.6	126.8	127.1	127.3	127.4	127.4	127.5	127.6	127.6	127.4
115°	143.3	143.4	143.5	143.5	143.6	143.8	143.9	144.1	144.2	144.3	144.1
117.5°	159.0	159.3	159.5	159.8	160.0	160.4	160.8	161.2	161.6	161.8	161.5
120°	175.6	175.6	175.6	175.6	175.6	176.2	176.9	177.5	178.2	178.5	178.2
122.5°	191.7	192.0	192.2	192.5	192.7	193.1	193.5	193.9	194.3	194.5	194.1
125°	208.1	208.3	208.6	208.8	209.0	209.2	209.5	209.7	210.0	210.1	209.7
127.5°	223.8	224.1	224.4	224.7	225.0	225.3	225.7	226.0	226.3	226.5	226.1
130°	240.4	240.5	240.7	240.8	241.0	241.2	241.3	241.5	241.6	241.7	241.2
132.5°	255.8	256.2	256.6	257.0	257.4	257.3	257.2	257.1	257.0	257.0	256.6
135°	272.0	272.1	272.2	272.2	272.3	272.1	272.0	271.8	271.7	271.6	271.2
137.5°	286.9	287.0	287.1	287.1	287.2	287.0	286.9	286.7	286.6	286.5	286.1
140°	302.2	302.2	302.2	302.2	302.2	301.8	301.4	301.0	300.6	300.4	300.0
142.5°	316.0	315.9	315.8	315.8	315.7	315.5	315.2	315.0	314.7	314.6	314.2
145°	329.9	329.8	329.7	329.7	329.6	329.1	328.6	328.1	327.6	327.4	327.1
147.5°	342.3	342.1	342.0	341.8	341.6	341.3	341.0	340.7	340.4	340.2	339.8
150°	354.0	353.7	353.5	353.2	353.0	352.7	352.4	352.1	351.8	351.6	351.4
152.5°	365.6	365.3	365.0	364.7	364.4	364.0	363.6	363.2	362.8	362.6	362.4
155°	375.2	374.8	374.4	374.0	373.6	373.4	373.2	372.9	372.7	372.6	372.5
157.5°	384.7	384.2	383.6	383.1	382.5	382.3	382.2	382.0	381.9	381.8	381.7
160°	392.6	392.1	391.6	391.2	390.7	390.6	390.5	390.4	390.3	390.3	390.2
162.5°	400.0	399.5	398.9	398.4	397.8	397.7	397.7	397.6	397.5	397.5	397.5
165°	406.0	405.5	405.0	404.4	403.9	403.9	403.9	403.9	403.9	403.9	403.9
167.5°	411.4	410.9	410.3	409.8	409.2	409.2	409.2	409.2	409.2	409.2	409.3
170°	415.6	415.1	414.6	414.0	413.5	413.6	413.6	413.7	413.8	413.8	413.9
172.5°	418.8	418.3	417.8	417.2	416.7	416.8	416.8	416.9	417.0	417.0	417.1
175°	421.0	420.5	419.9	419.4	418.8	419.0	419.1	419.3	419.4	419.5	419.6
177.5°	422.1	421.6	421.1	420.7	420.2	420.4	420.5	420.7	420.8	420.9	421.0
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	636.5	636.5	636.5	636.5
2.5°	625.0	623.7	631.7	640.5
5°	612.2	614.4	624.6	637.0
7.5°	598.9	603.8	615.7	632.1
10°	580.4	589.2	607.3	624.1
12.5°	562.2	574.2	591.4	611.3
15°	541.9	555.1	576.4	600.3
17.5°	519.3	534.3	559.1	585.2
20°	495.4	515.3	541.4	569.7
22.5°	468.9	492.8	519.8	551.2
25°	443.2	469.3	496.3	532.6
27.5°	418.0	443.7	473.7	510.5
30°	392.8	416.2	448.5	487.9
32.5°	365.8	390.1	424.2	464.5
35°	341.0	365.4	397.2	437.0
37.5°	314.5	340.6	371.1	412.3
40°	283.5	314.1	343.7	383.1
42.5°	257.9	290.2	318.9	356.1
45°	237.5	268.1	291.9	328.2
47.5°	218.5	243.3	267.6	301.2
50°	200.4	219.4	244.6	274.7
52.5°	181.8	198.2	219.8	248.2
55°	165.0	180.5	199.9	221.6
57.5°	149.5	160.6	180.0	199.5
60°	132.3	143.8	158.8	175.2
62.5°	117.7	126.5	140.7	154.4
65°	102.2	110.6	121.2	134.0
67.5°	88.0	95.5	104.0	114.1
70°	75.2	80.9	87.1	96.0
72.5°	61.5	67.7	73.4	80.5
75°	50.4	53.1	57.9	62.8
77.5°	38.9	42.5	45.1	49.1
80°	27.9	31.0	31.8	34.9
82.5°	18.6	20.3	22.1	23.0
85°	10.6	11.5	13.3	13.7
87.5°	4.0	4.4	5.3	6.2
90°	3.2	2.3	1.3	0.4
92.5°	9.7	9.1	8.4	7.8
95°	20.8	20.1	19.3	18.5
97.5°	33.0	32.3	31.6	30.9
100°	47.0	46.4	45.7	45.1
102.5°	61.5	61.0	60.6	60.1
105°	77.1	76.9	76.6	76.4
107.5°	93.7	93.4	93.1	92.8
110°	109.9	109.4	108.9	108.4

TEST NUMBER: P999522

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	126.9	126.4	126.0	125.5
115°	143.6	143.1	142.7	142.2
117.5°	160.8	160.2	159.5	158.9
120°	177.5	176.9	176.2	175.6
122.5°	193.3	192.5	191.7	190.9
125°	209.0	208.3	207.6	206.9
127.5°	225.2	224.3	223.4	222.5
130°	240.2	239.1	238.1	237.1
132.5°	255.8	255.1	254.3	253.5
135°	270.3	269.4	268.6	267.7
137.5°	285.4	284.7	284.0	283.3
140°	299.3	298.6	297.9	297.2
142.5°	313.5	312.8	312.1	311.4
145°	326.6	326.0	325.5	324.9
147.5°	339.1	338.4	337.7	337.0
150°	350.9	350.4	350.0	349.5
152.5°	361.9	361.4	361.0	360.5
155°	372.2	372.0	371.7	371.5
157.5°	381.6	381.4	381.3	381.1
160°	390.1	389.9	389.8	389.6
162.5°	397.5	397.5	397.5	397.5
165°	404.0	404.1	404.1	404.2
167.5°	409.6	409.8	410.1	410.3
170°	414.2	414.4	414.7	414.9
172.5°	417.4	417.6	417.9	418.1
175°	419.9	420.1	420.4	420.6
177.5°	421.3	421.5	421.8	422.0
180°	421.3	421.3	421.3	421.3

(END OF REPORT)