

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P998241

Luminaire Tested: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998241
REPORT IS A COMBINATION OF REPORTS P983981 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

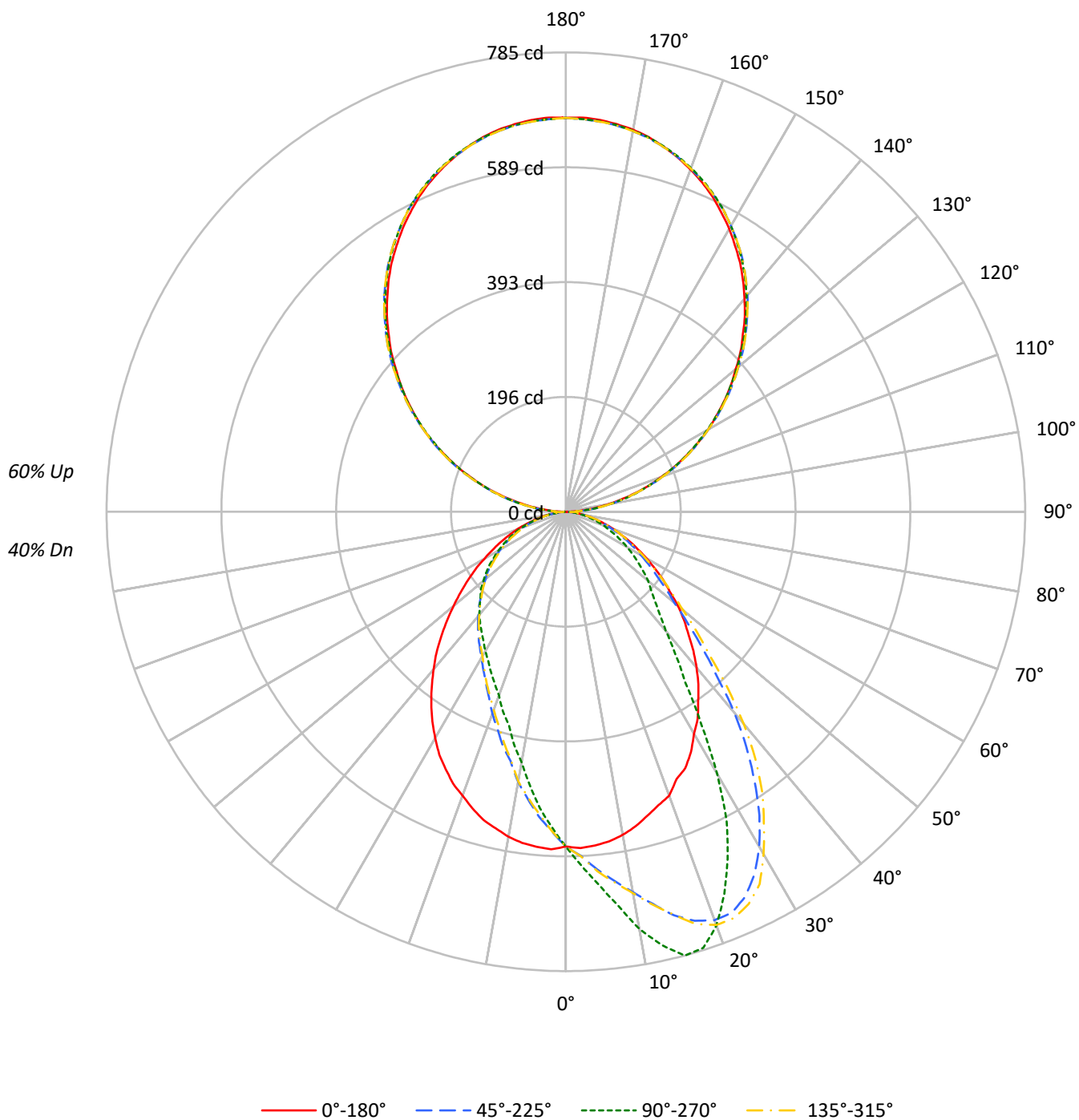
Lumens per Lamp: N/A
Luminaire Lumens: 3146.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 28.4
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



TEST NUMBER: P998241

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47
1	96	92	88	85	87	84	81	78	69	67	65	55	53	52	42	41	40
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35
3	80	71	64	59	73	65	59	54	54	49	46	43	40	38	34	32	30
4	74	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26
5	68	56	49	43	61	52	45	40	43	38	34	35	31	29	27	25	23
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	22	20
7	58	46	38	33	52	42	35	31	35	30	27	29	25	22	23	20	18
8	54	42	34	29	49	38	32	27	32	27	24	27	23	20	21	19	17
9	50	38	31	26	45	35	29	24	30	25	21	25	21	18	20	17	15
10	47	35	28	23	43	32	26	22	27	22	19	23	19	16	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9054	9054	9054	9054
5°	9075	9654	9110	7680
10°	8971	10539	9027	6332
15°	8753	11116	8875	5334
20°	8617	10438	8617	4636
25°	8342	8967	8380	4146
30°	7890	7049	8041	3755
35°	7490	4874	7616	3435
40°	7029	3680	7110	3181
45°	6462	3025	6567	2906
50°	5971	2654	5983	2661
55°	5412	2262	5446	2394
60°	4816	1890	4882	2089
65°	4284	1537	4362	1784
70°	3750	1205	3846	1438
75°	3149	875	3273	1043
80°	2459	555	2635	620
85°	1610	280	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.7
10°-20°	158.6	5.0
20°-30°	230.1	7.3
30°-40°	242.6	7.7
40°-50°	214.7	6.8
50°-60°	171.4	5.4
60°-70°	116.4	3.7
70°-80°	59.6	1.9
80°-90°	16.0	0.5
90°-100°	41.6	1.3
100°-110°	132.4	4.2
110°-120°	226.5	7.2
120°-130°	297.9	9.5
130°-140°	334.4	10.6
140°-150°	327.9	10.4
150°-160°	275.1	8.7
160°-170°	182.4	5.8
170°-180°	63.8	2.0
0°-30°	443.2	14.1
0°-40°	685.8	21.8
0°-60°	1071.9	34.1
0°-90°	1263.9	40.2
90°-120°	400.5	12.7
90°-150°	1360.8	43.3
90°-180°	1882.0	59.8
0°-180°	3146.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	572	572	572	572	572	
5°	572	639	575	508	572	54
15°	538	785	545	377	538	152
25°	483	654	485	302	483	221
35°	394	356	401	251	394	247
45°	296	215	301	206	296	230
55°	203	151	204	160	203	181
65°	120	93	123	108	120	120
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	19	1	19	1	3
95°	30	35	30	35	30	33
105°	122	126	122	126	122	129
115°	227	227	227	227	227	225
125°	331	332	331	332	331	295
135°	428	433	428	433	428	331
145°	519	525	519	525	519	324
155°	594	598	594	598	594	273
165°	646	646	646	646	646	182
175°	672	670	672	670	672	64
180°	673	673	673	673	673	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	575.1	576.4	578.6	579.0	583.4	586.9	590.9	590.9	592.2	591.8	588.3
5°	572.4	576.4	582.1	586.9	594.9	598.4	603.7	607.6	611.1	613.8	613.3
7.5°	568.0	575.1	583.4	592.7	603.2	609.4	616.8	623.9	628.7	633.1	636.2
10°	560.6	572.4	583.9	596.2	609.8	618.2	627.0	636.2	643.7	652.0	659.9
12.5°	550.5	567.6	581.7	597.9	614.6	623.9	637.9	645.0	659.5	680.6	686.3
15°	537.7	561.0	574.2	594.9	616.8	624.3	643.7	655.1	685.0	698.2	714.0
17.5°	525.8	551.8	569.4	593.1	614.6	629.2	648.1	671.4	696.4	715.3	732.9
20°	516.2	541.2	562.3	588.7	616.0	634.4	654.2	682.4	709.6	729.0	742.6
22.5°	494.2	526.3	550.9	580.4	613.3	638.8	657.7	688.5	718.0	729.8	741.7
25°	483.2	510.9	539.5	572.9	611.6	641.9	658.2	692.5	718.4	722.8	725.4
27.5°	463.0	494.2	527.6	565.8	611.1	636.6	657.3	688.5	709.2	706.1	698.2
30°	437.9	476.2	513.1	554.4	605.0	632.7	652.0	680.6	691.1	675.3	661.2
32.5°	419.4	455.5	496.4	544.3	597.9	624.3	643.2	665.6	667.8	639.3	615.5
35°	394.4	434.4	480.5	531.1	586.1	609.8	627.4	641.0	630.5	590.5	562.3
37.5°	372.0	411.5	460.8	512.2	569.8	593.1	607.2	609.4	583.4	548.3	506.9
40°	347.3	388.2	439.7	493.7	551.8	572.0	580.8	574.2	536.8	495.9	448.0
42.5°	322.7	363.2	418.6	474.0	528.9	546.1	549.6	531.5	485.8	437.9	382.5
45°	295.9	338.1	393.5	449.3	502.5	512.2	512.6	486.7	432.6	382.5	331.1
47.5°	273.9	313.0	368.0	423.8	468.7	475.3	472.6	442.7	383.8	327.5	282.7
50°	249.7	287.1	341.6	396.6	434.8	436.6	430.0	387.3	329.7	278.3	242.7
52.5°	223.8	261.6	311.7	364.5	398.8	396.1	383.4	337.7	283.6	240.9	213.7
55°	203.1	236.5	283.6	335.0	359.2	351.7	337.7	291.1	248.4	212.4	188.6
57.5°	180.3	209.7	255.9	300.7	314.8	307.8	293.7	250.2	210.6	183.3	167.5
60°	158.7	185.5	226.0	263.4	274.3	266.9	250.6	211.5	182.9	160.0	148.2
62.5°	138.9	162.2	196.1	230.4	234.8	227.3	213.2	181.6	157.0	138.9	130.1
65°	120.5	142.4	169.7	195.6	199.6	191.7	177.2	154.3	133.7	122.2	113.9
67.5°	102.4	120.0	144.2	163.1	165.3	157.8	146.0	127.5	114.8	102.4	96.3
70°	86.6	99.8	118.7	134.1	135.0	127.9	121.8	105.1	95.4	86.6	81.8
72.5°	71.2	80.5	95.0	106.4	106.8	102.4	96.7	86.2	77.8	71.7	66.8
75°	56.3	64.2	73.0	83.1	82.7	79.1	74.7	68.1	61.1	57.2	55.0
77.5°	43.1	47.9	55.0	61.6	61.6	59.8	57.2	52.3	47.9	44.0	41.8
80°	30.8	33.9	39.6	41.8	42.6	42.2	40.0	36.5	34.7	31.7	30.8
82.5°	19.8	22.0	24.6	26.8	28.1	27.3	26.8	25.1	22.4	21.5	20.7
85°	11.4	12.3	13.6	14.9	15.4	14.9	15.8	14.5	13.2	13.2	12.8
87.5°	4.8	5.3	6.2	6.2	6.6	6.6	6.2	6.6	6.6	6.2	5.7
90°	0.6	2.1	3.6	5.1	6.6	7.4	8.8	11.6	14.3	17.1	19.9
92.5°	12.5	13.5	14.5	15.5	16.5	17.0	17.1	17.2	17.3	17.5	17.6
95°	29.5	30.8	32.0	33.3	34.6	35.2	35.3	35.6	35.9	36.1	36.4
97.5°	49.4	50.5	51.7	52.8	53.9	54.5	54.8	55.3	55.8	56.3	56.8
100°	72.1	73.1	74.1	75.2	76.2	76.7	76.9	77.3	77.6	78.0	78.4
102.5°	96.0	96.8	97.5	98.3	99.0	99.4	99.7	100.2	100.7	101.2	101.7
105°	122.1	122.5	122.9	123.2	123.6	123.8	123.9	124.2	124.5	124.7	125.0
107.5°	148.3	148.8	149.3	149.8	150.3	150.5	150.5	150.5	150.5	150.5	150.5
110°	173.3	174.1	174.8	175.6	176.3	176.7	176.7	176.7	176.7	176.7	176.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	200.5	201.3	202.0	202.8	203.5	203.9	203.8	203.7	203.6	203.5	203.4
115°	227.2	228.0	228.7	229.5	230.2	230.6	230.5	230.2	230.0	229.7	229.5
117.5°	253.9	254.9	255.9	257.0	258.0	258.5	258.2	257.5	256.9	256.2	255.6
120°	280.6	281.6	282.6	283.7	284.7	285.2	284.7	283.7	282.6	281.6	280.6
122.5°	305.1	306.3	307.6	308.8	310.1	310.7	310.4	309.8	309.1	308.5	307.9
125°	330.6	331.7	332.9	334.0	335.1	335.7	335.5	335.1	334.8	334.4	334.0
127.5°	355.6	357.0	358.4	359.8	361.2	361.9	361.6	361.1	360.6	360.1	359.6
130°	378.9	380.5	382.2	383.8	385.5	386.3	386.2	385.9	385.7	385.4	385.2
132.5°	405.0	406.3	407.5	408.8	410.1	410.7	410.8	410.9	411.0	411.2	411.3
135°	427.8	429.2	430.6	431.9	433.3	434.0	434.1	434.4	434.7	434.9	435.2
137.5°	452.8	453.9	455.1	456.2	457.3	457.9	458.0	458.3	458.5	458.8	459.0
140°	474.9	476.0	477.2	478.3	479.4	480.0	480.3	481.0	481.6	482.3	482.9
142.5°	497.6	498.8	499.9	501.1	502.2	502.8	503.0	503.4	503.7	504.1	504.5
145°	519.2	520.1	521.0	521.9	522.8	523.2	523.6	524.3	525.1	525.8	526.6
147.5°	538.5	539.7	540.8	542.0	543.1	543.7	543.9	544.4	544.9	545.4	545.9
150°	558.4	559.2	559.9	560.7	561.4	561.8	562.1	562.6	563.1	563.6	564.1
152.5°	576.0	576.8	577.5	578.3	579.0	579.4	579.7	580.4	581.0	581.7	582.3
155°	593.6	594.0	594.4	594.8	595.2	595.4	595.6	596.0	596.3	596.7	597.1
157.5°	609.0	609.2	609.5	609.7	610.0	610.1	610.2	610.5	610.8	611.0	611.3
160°	622.6	622.9	623.1	623.4	623.7	623.8	623.9	624.0	624.1	624.2	624.3
162.5°	635.1	635.1	635.1	635.1	635.1	635.1	635.2	635.3	635.4	635.6	635.7
165°	645.9	645.8	645.6	645.5	645.4	645.3	645.3	645.3	645.3	645.3	645.3
167.5°	655.6	655.2	654.8	654.5	654.1	653.9	653.9	653.9	653.9	653.9	653.9
170°	663.0	662.6	662.2	661.9	661.5	661.3	661.2	661.1	661.0	660.8	660.7
172.5°	668.1	667.7	667.3	667.0	666.6	666.4	666.3	666.2	666.1	665.9	665.8
175°	672.0	671.6	671.2	670.9	670.5	670.3	670.2	669.9	669.7	669.4	669.2
177.5°	674.3	673.9	673.5	673.2	672.8	672.6	672.5	672.2	672.0	671.7	671.5
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	594.4	594.9	595.7	600.1	602.3	602.8	601.0	605.0	606.3	605.0	604.1
5°	622.6	625.2	630.5	636.2	635.7	636.2	638.8	641.5	642.3	638.8	640.1
7.5°	647.2	652.5	658.2	667.0	667.0	671.4	673.1	675.3	680.6	678.0	677.1
10°	675.3	682.4	692.9	707.0	707.4	711.8	716.2	723.2	725.4	723.7	724.6
12.5°	710.5	724.1	725.0	740.4	747.4	748.3	755.3	754.0	758.4	758.4	765.9
15°	725.9	747.0	758.9	773.8	778.2	772.9	778.6	784.8	785.2	785.2	784.8
17.5°	753.6	761.9	773.8	781.7	783.5	783.5	783.9	786.6	784.8	781.3	783.9
20°	759.3	762.8	767.2	766.3	767.2	762.8	758.4	754.0	754.5	752.3	758.9
22.5°	748.7	747.9	737.7	731.2	731.2	722.4	714.0	710.1	706.1	707.4	709.6
25°	722.4	708.7	696.4	686.7	684.6	670.5	659.0	655.5	648.9	654.2	655.1
27.5°	680.2	664.8	645.0	636.6	625.2	619.5	611.6	601.0	587.4	595.3	594.0
30°	634.9	612.0	595.7	575.5	557.5	556.2	541.2	523.6	516.6	516.6	520.6
32.5°	584.3	554.0	530.2	501.7	484.1	476.6	458.6	441.0	444.9	431.7	436.6
35°	525.4	485.4	455.5	427.8	414.6	405.8	382.5	372.8	362.3	356.1	367.6
37.5°	469.1	423.0	384.7	354.4	349.5	333.7	317.9	311.7	305.6	308.2	307.8
40°	400.5	359.6	325.3	301.6	293.3	285.8	275.2	267.8	263.8	266.0	266.4
42.5°	338.5	304.2	278.7	262.0	255.0	249.7	244.5	238.3	237.0	237.0	238.7
45°	290.6	262.5	245.3	231.7	227.7	223.8	219.8	217.2	216.3	214.6	215.9
47.5°	252.4	229.9	219.4	209.3	204.9	204.0	200.5	199.2	197.4	197.0	197.4
50°	220.3	206.2	196.5	190.8	187.7	186.4	184.7	182.0	181.1	183.3	182.5
52.5°	197.8	184.7	179.4	173.7	171.9	170.1	167.5	167.9	167.5	166.6	166.6
55°	175.4	167.1	161.8	157.4	157.0	155.2	153.0	152.1	151.7	150.8	152.1
57.5°	157.4	150.8	146.0	142.0	140.3	140.3	138.1	136.3	136.3	135.9	136.3
60°	139.4	132.8	129.7	125.7	124.4	124.0	122.7	121.8	120.5	120.5	120.5
62.5°	122.7	117.4	113.9	110.4	110.8	108.6	106.8	106.0	106.0	106.4	106.4
65°	106.8	103.3	98.9	95.8	95.0	94.5	93.6	93.2	91.9	92.8	92.8
67.5°	92.3	87.5	84.9	83.5	82.2	81.8	80.9	80.0	79.6	79.1	80.0
70°	77.8	73.9	71.7	70.8	69.5	69.0	68.6	67.3	67.7	68.1	68.6
72.5°	64.6	61.1	60.7	58.0	58.0	58.0	56.3	57.2	56.7	55.8	56.7
75°	51.0	49.2	48.4	47.0	47.5	47.0	46.6	45.3	45.3	45.7	46.2
77.5°	40.4	38.7	38.3	36.9	36.1	36.9	36.1	35.6	35.6	36.1	36.1
80°	29.9	29.0	27.7	27.7	27.7	27.3	27.3	27.3	26.8	26.4	26.8
82.5°	19.8	19.8	19.3	18.9	19.3	18.5	18.9	18.9	18.9	18.9	18.9
85°	12.8	12.3	12.3	11.9	11.9	11.9	12.3	11.4	11.4	11.9	11.9
87.5°	5.7	5.7	5.7	6.2	5.7	5.7	5.7	6.2	5.7	5.7	5.7
90°	19.6	19.4	19.1	18.8	18.7	18.8	18.9	19.0	19.2	19.3	19.2
92.5°	17.7	17.9	18.0	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2
95°	36.4	36.4	36.4	36.4	36.4	36.3	36.0	35.7	35.5	35.2	35.5
97.5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
100°	78.4	78.4	78.4	78.4	78.4	78.3	78.2	78.1	77.9	77.8	77.9
102.5°	101.8	102.0	102.1	102.2	102.3	102.2	102.1	102.0	101.8	101.7	101.8
105°	125.2	125.5	125.7	126.0	126.1	126.1	126.1	126.1	126.1	126.1	126.1
107.5°	150.6	150.8	150.9	151.0	151.1	150.8	150.2	149.5	148.9	148.3	148.9
110°	176.7	176.7	176.7	176.7	176.7	176.5	176.1	175.8	175.4	175.0	175.4

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	203.0	202.6	202.3	201.9	201.7	201.6	201.3	201.0	200.8	200.5	200.8
115°	229.4	229.2	229.1	229.0	228.9	228.7	228.3	228.0	227.6	227.2	227.6
117.5°	255.2	254.8	254.5	254.1	253.9	253.7	253.3	253.0	252.6	252.2	252.6
120°	280.6	280.6	280.6	280.6	280.6	280.4	280.0	279.7	279.3	278.9	279.3
122.5°	307.5	307.1	306.8	306.4	306.2	306.1	305.8	305.6	305.3	305.1	305.3
125°	333.6	333.2	332.9	332.5	332.3	332.2	332.1	332.0	331.9	331.8	331.9
127.5°	359.1	358.6	358.1	357.6	357.3	357.1	356.7	356.4	356.0	355.6	356.0
130°	384.9	384.7	384.4	384.1	384.0	383.8	383.3	382.8	382.3	381.8	382.3
132.5°	410.7	410.1	409.4	408.8	408.5	408.3	407.9	407.5	407.1	406.7	407.1
135°	435.1	434.9	434.8	434.7	434.6	434.4	434.0	433.7	433.3	432.9	433.3
137.5°	458.9	458.7	458.6	458.5	458.4	458.2	457.7	457.2	456.7	456.2	456.7
140°	482.9	482.9	482.9	482.9	482.9	482.6	482.1	481.6	481.1	480.6	481.1
142.5°	504.6	504.7	504.8	504.9	505.0	504.8	504.3	503.8	503.3	502.8	503.3
145°	526.7	526.9	527.0	527.1	527.2	526.9	526.4	525.9	525.4	524.9	525.4
147.5°	546.2	546.4	546.7	547.0	547.1	546.8	546.3	545.8	545.3	544.8	545.3
150°	564.5	564.9	565.2	565.6	565.8	565.6	565.2	564.9	564.5	564.1	564.5
152.5°	582.8	583.3	583.8	584.3	584.6	584.3	583.8	583.3	582.8	582.3	582.8
155°	597.7	598.3	599.0	599.6	599.9	599.7	599.3	599.0	598.6	598.2	598.6
157.5°	612.2	613.0	613.9	614.8	615.2	614.9	614.3	613.6	613.0	612.4	613.0
160°	625.1	625.8	626.6	627.3	627.7	627.5	627.0	626.5	626.0	625.5	626.0
162.5°	636.6	637.5	638.4	639.3	639.7	639.4	638.7	638.1	637.4	636.8	637.4
165°	646.2	647.1	648.0	648.9	649.3	649.0	648.4	647.7	647.1	646.5	647.1
167.5°	654.8	655.6	656.5	657.4	657.8	657.5	656.9	656.2	655.6	655.0	655.6
170°	661.6	662.5	663.4	664.3	664.7	664.3	663.6	662.8	662.1	661.3	662.1
172.5°	666.7	667.6	668.5	669.4	669.8	669.4	668.7	667.9	667.2	666.4	667.2
175°	670.1	671.0	671.9	672.8	673.2	672.8	672.1	671.3	670.6	669.8	670.6
177.5°	672.3	673.0	673.8	674.5	674.9	674.5	673.8	673.0	672.3	671.5	672.3
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	606.3	603.2	600.6	601.0	603.2	601.5	597.1	591.3	589.1	586.5	589.1
5°	642.8	640.1	634.9	635.3	634.0	632.2	625.2	616.4	616.4	609.4	608.5
7.5°	678.8	674.9	671.4	670.5	665.6	662.1	656.0	643.7	638.8	630.5	625.6
10°	719.3	716.2	712.2	707.4	704.8	698.6	688.5	670.5	661.7	650.3	641.9
12.5°	760.2	759.7	750.9	741.3	740.8	731.2	724.1	699.9	688.1	672.7	652.9
15°	786.1	783.9	779.1	774.2	775.6	765.0	749.2	720.6	712.7	694.2	673.1
17.5°	785.7	785.7	784.4	783.5	782.2	779.1	770.3	751.4	738.6	715.3	695.5
20°	760.6	766.3	767.6	767.2	771.6	773.8	773.4	761.5	751.4	730.7	710.5
22.5°	710.5	723.7	729.4	732.9	742.1	747.0	758.4	754.0	751.4	736.0	718.8
25°	663.9	668.3	685.4	686.3	699.1	710.9	722.4	729.8	739.5	733.8	719.3
27.5°	603.7	613.8	626.1	635.3	637.9	662.1	681.0	695.1	717.1	718.8	714.0
30°	535.5	540.3	560.6	572.9	586.9	604.5	631.8	656.0	675.8	693.8	699.9
32.5°	452.4	472.2	484.1	499.0	511.3	542.5	576.0	607.2	630.0	660.4	673.6
35°	376.3	391.7	412.0	418.1	440.5	466.9	510.4	550.5	585.2	616.0	642.8
37.5°	313.5	325.8	347.3	357.0	370.2	404.0	440.5	490.2	532.0	569.8	603.2
40°	270.4	279.6	295.9	299.0	310.0	340.7	370.2	416.8	472.2	523.2	559.7
42.5°	240.9	245.3	256.3	260.3	267.3	288.0	314.4	358.3	409.8	462.5	514.0
45°	219.8	222.9	229.5	233.0	241.8	251.0	272.6	307.8	348.2	401.4	456.8
47.5°	200.9	204.9	207.5	209.7	214.6	224.7	238.7	264.7	303.4	352.2	405.8
50°	185.1	186.4	191.3	191.7	194.8	201.4	214.6	230.4	261.2	300.7	352.6
52.5°	169.3	170.6	173.7	176.7	178.1	183.3	192.1	205.3	228.2	259.4	305.6
55°	153.4	155.2	158.3	160.5	161.8	166.2	171.5	184.2	202.2	224.2	262.0
57.5°	137.6	141.6	142.4	143.8	146.0	150.8	155.6	163.1	177.2	197.4	225.1
60°	122.7	124.0	127.1	128.4	130.6	133.2	139.4	145.1	155.2	171.0	196.1
62.5°	107.3	110.4	111.7	113.0	114.8	117.8	121.8	127.9	136.7	149.5	169.3
65°	94.1	94.5	97.2	98.9	100.7	102.9	106.8	112.6	117.8	129.7	144.2
67.5°	81.3	82.2	83.1	84.9	87.1	89.3	92.8	95.8	102.4	110.4	121.8
70°	69.0	69.0	71.2	72.5	72.1	74.7	77.4	80.9	85.7	93.2	102.4
72.5°	58.0	57.6	59.4	59.8	60.7	62.4	64.2	67.7	70.3	76.1	83.1
75°	46.2	47.0	47.9	47.9	49.2	50.6	52.3	54.1	57.2	60.7	65.9
77.5°	36.5	36.5	37.4	37.8	39.1	38.7	40.4	42.2	44.4	47.5	51.4
80°	26.8	27.7	27.7	27.7	28.1	28.6	30.3	31.7	33.0	35.2	36.9
82.5°	18.9	18.9	19.8	19.8	19.8	20.7	20.7	21.1	22.0	23.3	24.6
85°	11.9	11.9	11.9	12.3	11.9	12.3	13.2	12.8	13.2	14.1	14.1
87.5°	5.7	5.7	5.7	5.7	5.7	6.2	5.7	6.2	6.6	6.6	6.6
90°	19.0	18.9	18.8	18.7	18.8	19.1	19.4	19.6	19.9	17.1	14.3
92.5°	18.2	18.2	18.2	18.2	18.1	18.0	17.9	17.7	17.6	17.5	17.3
95°	35.7	36.0	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.1	35.9
97.5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.3	55.8
100°	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.0	77.6
102.5°	102.0	102.1	102.2	102.3	102.2	102.1	102.0	101.8	101.7	101.2	100.7
105°	126.1	126.1	126.1	126.1	126.0	125.7	125.5	125.2	125.0	124.7	124.5
107.5°	149.5	150.2	150.8	151.1	151.0	150.9	150.8	150.6	150.5	150.5	150.5
110°	175.8	176.1	176.5	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	201.0	201.3	201.6	201.7	201.9	202.3	202.6	203.0	203.4	203.5	203.6
115°	228.0	228.3	228.7	228.9	229.0	229.1	229.2	229.4	229.5	229.7	230.0
117.5°	253.0	253.3	253.7	253.9	254.1	254.5	254.8	255.2	255.6	256.2	256.9
120°	279.7	280.0	280.4	280.6	280.6	280.6	280.6	280.6	280.6	281.6	282.6
122.5°	305.6	305.8	306.1	306.2	306.4	306.8	307.1	307.5	307.9	308.5	309.1
125°	332.0	332.1	332.2	332.3	332.5	332.9	333.2	333.6	334.0	334.4	334.8
127.5°	356.4	356.7	357.1	357.3	357.6	358.1	358.6	359.1	359.6	360.1	360.6
130°	382.8	383.3	383.8	384.0	384.1	384.4	384.7	384.9	385.2	385.4	385.7
132.5°	407.5	407.9	408.3	408.5	408.8	409.4	410.1	410.7	411.3	411.2	411.0
135°	433.7	434.0	434.4	434.6	434.7	434.8	434.9	435.1	435.2	434.9	434.7
137.5°	457.2	457.7	458.2	458.4	458.5	458.6	458.7	458.9	459.0	458.8	458.5
140°	481.6	482.1	482.6	482.9	482.9	482.9	482.9	482.9	482.9	482.3	481.6
142.5°	503.8	504.3	504.8	505.0	504.9	504.8	504.7	504.6	504.5	504.1	503.7
145°	525.9	526.4	526.9	527.2	527.1	527.0	526.9	526.7	526.6	525.8	525.1
147.5°	545.8	546.3	546.8	547.1	547.0	546.7	546.4	546.2	545.9	545.4	544.9
150°	564.9	565.2	565.6	565.8	565.6	565.2	564.9	564.5	564.1	563.6	563.1
152.5°	583.3	583.8	584.3	584.6	584.3	583.8	583.3	582.8	582.3	581.7	581.0
155°	599.0	599.3	599.7	599.9	599.6	599.0	598.3	597.7	597.1	596.7	596.3
157.5°	613.6	614.3	614.9	615.2	614.8	613.9	613.0	612.2	611.3	611.0	610.8
160°	626.5	627.0	627.5	627.7	627.3	626.6	625.8	625.1	624.3	624.2	624.1
162.5°	638.1	638.7	639.4	639.7	639.3	638.4	637.5	636.6	635.7	635.6	635.4
165°	647.7	648.4	649.0	649.3	648.9	648.0	647.1	646.2	645.3	645.3	645.3
167.5°	656.2	656.9	657.5	657.8	657.4	656.5	655.6	654.8	653.9	653.9	653.9
170°	662.8	663.6	664.3	664.7	664.3	663.4	662.5	661.6	660.7	660.8	661.0
172.5°	667.9	668.7	669.4	669.8	669.4	668.5	667.6	666.7	665.8	665.9	666.1
175°	671.3	672.1	672.8	673.2	672.8	671.9	671.0	670.1	669.2	669.4	669.7
177.5°	673.0	673.8	674.5	674.9	674.5	673.8	673.0	672.3	671.5	671.7	672.0
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	586.9	584.7	583.4	584.3	581.7	575.1	575.1	577.3	574.6	572.0	568.0
5°	603.2	598.8	596.2	595.7	589.6	579.0	576.8	574.6	568.9	562.8	556.2
7.5°	619.0	611.1	606.7	603.7	594.9	581.2	575.5	570.7	561.4	552.2	543.9
10°	632.2	620.8	615.5	610.7	599.3	582.1	572.9	564.1	552.2	540.3	529.8
12.5°	642.8	629.6	623.0	616.0	601.9	579.5	568.0	554.0	542.1	526.3	515.7
15°	660.4	633.1	627.0	620.4	605.9	575.1	561.0	545.2	528.9	507.8	496.4
17.5°	674.4	637.9	637.5	623.4	604.5	573.3	551.8	531.1	513.5	492.4	474.4
20°	682.8	645.4	638.4	623.9	600.1	561.4	539.0	516.2	497.3	471.8	453.7
22.5°	689.8	656.0	637.5	619.9	590.9	557.5	524.5	503.0	477.0	449.3	432.2
25°	692.5	658.2	638.8	618.6	584.3	546.1	508.7	485.4	456.4	431.3	408.0
27.5°	692.9	657.7	634.0	612.9	575.1	531.1	492.9	468.2	436.1	407.1	383.8
30°	688.5	652.9	631.4	608.5	566.3	517.5	473.5	446.3	412.0	382.9	358.8
32.5°	675.3	643.2	625.6	600.6	554.9	498.6	455.0	424.7	388.7	360.1	336.8
35°	653.3	631.4	612.0	588.7	539.9	481.0	436.6	401.0	364.5	337.2	315.2
37.5°	626.1	614.2	596.2	573.3	522.8	465.2	415.9	376.3	339.9	313.5	291.9
40°	589.1	592.2	574.6	554.0	502.5	443.6	389.1	351.3	317.0	292.4	271.3
42.5°	549.1	561.9	551.8	532.0	480.1	419.9	369.3	327.5	294.1	268.6	251.0
45°	506.0	528.0	521.9	507.4	456.8	394.8	341.2	300.7	271.3	246.6	231.3
47.5°	459.0	490.2	490.2	479.7	430.9	369.8	317.0	275.7	246.6	229.1	214.1
50°	411.1	446.3	452.0	444.9	401.8	341.2	287.5	250.2	225.1	208.0	197.0
52.5°	361.0	401.8	412.4	408.9	371.1	313.9	263.4	226.9	204.0	189.1	179.4
55°	313.0	360.5	372.0	373.3	338.1	284.0	236.5	204.4	182.5	172.3	164.0
57.5°	267.8	313.5	326.2	328.4	304.7	256.8	211.5	183.3	163.6	155.2	148.6
60°	229.1	267.3	284.0	288.9	268.2	225.1	188.2	160.9	146.0	138.1	131.9
62.5°	197.4	228.2	245.8	247.1	237.9	197.4	164.0	141.1	128.4	121.3	118.3
65°	166.6	194.3	204.9	210.2	202.7	171.0	141.6	122.7	112.6	106.4	103.3
67.5°	142.0	159.6	168.4	175.4	167.9	144.2	120.5	105.1	97.6	91.4	89.7
70°	116.5	131.0	137.6	144.6	138.1	120.0	102.9	88.8	82.2	77.4	75.2
72.5°	93.2	104.6	110.8	115.2	111.2	96.3	82.2	72.5	67.7	64.2	62.9
75°	73.9	81.8	85.3	88.4	86.6	75.2	66.4	58.5	54.1	51.0	50.1
77.5°	56.3	62.0	65.9	66.8	64.6	57.2	49.7	44.8	41.3	39.6	38.7
80°	40.0	43.5	45.7	47.0	44.8	41.8	36.5	33.0	29.9	27.7	27.3
82.5°	26.8	28.6	30.3	29.9	29.0	26.4	23.3	21.5	20.2	18.5	18.5
85°	15.4	15.8	16.7	17.1	16.7	14.9	13.2	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	4.0
90°	11.6	8.8	7.4	6.6	5.1	3.6	2.1	0.6	2.1	3.6	5.1
92.5°	17.2	17.1	17.0	16.5	15.5	14.5	13.5	12.5	13.5	14.5	15.5
95°	35.6	35.3	35.2	34.6	33.3	32.0	30.8	29.5	30.8	32.0	33.3
97.5°	55.3	54.8	54.5	53.9	52.8	51.7	50.5	49.4	50.5	51.7	52.8
100°	77.3	76.9	76.7	76.2	75.2	74.1	73.1	72.1	73.1	74.1	75.2
102.5°	100.2	99.7	99.4	99.0	98.3	97.5	96.8	96.0	96.8	97.5	98.3
105°	124.2	123.9	123.8	123.6	123.2	122.9	122.5	122.1	122.5	122.9	123.2
107.5°	150.5	150.5	150.5	150.3	149.8	149.3	148.8	148.3	148.8	149.3	149.8
110°	176.7	176.7	176.7	176.3	175.6	174.8	174.1	173.3	174.1	174.8	175.6

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	203.7	203.8	203.9	203.5	202.8	202.0	201.3	200.5	201.3	202.0	202.8
115°	230.2	230.5	230.6	230.2	229.5	228.7	228.0	227.2	228.0	228.7	229.5
117.5°	257.5	258.2	258.5	258.0	257.0	255.9	254.9	253.9	254.9	255.9	257.0
120°	283.7	284.7	285.2	284.7	283.7	282.6	281.6	280.6	281.6	282.6	283.7
122.5°	309.8	310.4	310.7	310.1	308.8	307.6	306.3	305.1	306.3	307.6	308.8
125°	335.1	335.5	335.7	335.1	334.0	332.9	331.7	330.6	331.7	332.9	334.0
127.5°	361.1	361.6	361.9	361.2	359.8	358.4	357.0	355.6	357.0	358.4	359.8
130°	385.9	386.2	386.3	385.5	383.8	382.2	380.5	378.9	380.5	382.2	383.8
132.5°	410.9	410.8	410.7	410.1	408.8	407.5	406.3	405.0	406.3	407.5	408.8
135°	434.4	434.1	434.0	433.3	431.9	430.6	429.2	427.8	429.2	430.6	431.9
137.5°	458.3	458.0	457.9	457.3	456.2	455.1	453.9	452.8	453.9	455.1	456.2
140°	481.0	480.3	480.0	479.4	478.3	477.2	476.0	474.9	476.0	477.2	478.3
142.5°	503.4	503.0	502.8	502.2	501.1	499.9	498.8	497.6	498.8	499.9	501.1
145°	524.3	523.6	523.2	522.8	521.9	521.0	520.1	519.2	520.1	521.0	521.9
147.5°	544.4	543.9	543.7	543.1	542.0	540.8	539.7	538.5	539.7	540.8	542.0
150°	562.6	562.1	561.8	561.4	560.7	559.9	559.2	558.4	559.2	559.9	560.7
152.5°	580.4	579.7	579.4	579.0	578.3	577.5	576.8	576.0	576.8	577.5	578.3
155°	596.0	595.6	595.4	595.2	594.8	594.4	594.0	593.6	594.0	594.4	594.8
157.5°	610.5	610.2	610.1	610.0	609.7	609.5	609.2	609.0	609.2	609.5	609.7
160°	624.0	623.9	623.8	623.7	623.4	623.1	622.9	622.6	622.9	623.1	623.4
162.5°	635.3	635.2	635.1	635.1	635.1	635.1	635.1	635.1	635.1	635.1	635.1
165°	645.3	645.3	645.3	645.4	645.5	645.6	645.8	645.9	645.8	645.6	645.5
167.5°	653.9	653.9	653.9	654.1	654.5	654.8	655.2	655.6	655.2	654.8	654.5
170°	661.1	661.2	661.3	661.5	661.9	662.2	662.6	663.0	662.6	662.2	661.9
172.5°	666.2	666.3	666.4	666.6	667.0	667.3	667.7	668.1	667.7	667.3	667.0
175°	669.9	670.2	670.3	670.5	670.9	671.2	671.6	672.0	671.6	671.2	670.9
177.5°	672.2	672.5	672.6	672.8	673.2	673.5	673.9	674.3	673.9	673.5	673.2
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	565.8	568.0	567.6	563.2	558.4	554.4	546.9	547.8	545.2	545.6	548.3
5°	551.8	551.8	550.0	543.9	535.9	531.5	523.2	521.0	515.7	515.3	514.8
7.5°	536.8	534.6	532.4	523.6	514.0	506.9	495.5	492.9	487.6	484.1	482.3
10°	519.2	516.2	511.8	501.7	489.8	481.0	469.1	465.6	455.5	451.1	448.5
12.5°	499.9	498.1	491.1	482.7	463.4	453.7	436.6	440.1	430.0	421.2	419.9
15°	480.5	474.0	470.0	456.4	433.1	428.7	415.0	408.0	398.8	391.7	391.7
17.5°	461.6	451.5	442.7	428.2	411.1	398.8	388.7	385.1	373.7	366.7	365.4
20°	436.6	425.2	423.0	402.3	390.4	376.8	367.1	358.3	350.0	346.9	344.7
22.5°	412.8	399.7	396.1	378.5	366.7	353.0	343.4	337.2	331.1	328.9	324.9
25°	387.3	379.4	374.2	355.2	342.1	329.3	322.7	318.3	312.6	312.2	309.5
27.5°	362.7	355.2	350.0	331.9	322.3	310.4	305.1	300.3	297.2	295.9	294.6
30°	341.6	333.3	327.1	313.9	302.0	292.4	288.0	284.9	283.1	280.9	280.5
32.5°	318.3	313.5	305.1	295.0	285.8	276.5	273.9	271.7	269.1	268.2	267.8
35°	298.5	291.9	286.7	275.2	271.3	263.4	260.3	258.5	255.0	254.1	253.2
37.5°	279.2	273.0	267.3	260.3	252.8	248.4	246.6	244.0	242.3	242.7	241.8
40°	259.8	255.0	250.6	243.1	238.7	236.5	233.0	230.4	229.5	229.9	229.5
42.5°	240.9	236.5	233.9	228.2	223.8	221.6	219.4	216.8	218.1	218.1	219.4
45°	223.8	219.8	218.1	213.7	211.0	207.5	205.3	204.9	206.6	206.2	206.2
47.5°	206.2	204.9	202.7	198.7	195.2	193.0	192.6	192.6	194.3	195.2	194.8
50°	192.6	189.9	187.3	184.2	181.6	180.7	179.4	180.3	182.0	182.0	182.9
52.5°	175.4	173.7	172.8	170.1	168.4	168.4	168.4	168.8	170.1	171.5	171.0
55°	160.5	159.2	158.3	157.0	154.8	155.2	154.8	155.6	157.0	158.3	159.2
57.5°	144.6	144.2	143.3	141.1	141.1	140.7	142.0	142.4	144.6	145.5	146.8
60°	130.6	129.3	129.3	127.5	127.5	127.5	128.8	130.1	131.9	132.3	133.2
62.5°	115.6	115.6	115.2	113.9	113.9	115.2	115.6	117.4	118.3	118.3	119.6
65°	101.6	101.1	100.7	101.1	101.6	101.6	102.9	103.8	104.6	105.1	105.5
67.5°	87.5	87.1	87.9	87.5	88.4	90.1	89.7	91.0	92.3	92.3	92.8
70°	74.3	75.2	74.7	75.6	75.2	76.1	77.4	77.8	77.8	78.3	79.6
72.5°	62.0	62.0	62.0	61.6	62.0	62.9	63.8	64.2	65.1	65.5	66.8
75°	50.1	50.1	49.2	50.1	50.1	51.0	51.9	51.9	51.9	52.8	54.1
77.5°	37.8	38.3	37.8	38.7	38.7	39.1	40.0	39.6	40.4	40.9	41.3
80°	27.7	27.3	27.3	27.3	27.7	27.7	28.6	29.0	29.0	30.3	29.5
82.5°	17.6	18.0	17.6	18.0	18.0	18.5	18.0	18.5	18.9	19.8	19.3
85°	10.1	9.7	9.7	10.1	9.7	9.7	10.1	9.7	10.1	9.7	10.1
87.5°	4.0	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	6.6	7.4	8.8	11.6	14.3	17.1	19.9	19.6	19.4	19.1	18.8
92.5°	16.5	17.0	17.1	17.2	17.3	17.5	17.6	17.7	17.9	18.0	18.1
95°	34.6	35.2	35.3	35.6	35.9	36.1	36.4	36.4	36.4	36.4	36.4
97.5°	53.9	54.5	54.8	55.3	55.8	56.3	56.8	56.8	56.8	56.8	56.8
100°	76.2	76.7	76.9	77.3	77.6	78.0	78.4	78.4	78.4	78.4	78.4
102.5°	99.0	99.4	99.7	100.2	100.7	101.2	101.7	101.8	102.0	102.1	102.2
105°	123.6	123.8	123.9	124.2	124.5	124.7	125.0	125.2	125.5	125.7	126.0
107.5°	150.3	150.5	150.5	150.5	150.5	150.5	150.5	150.6	150.8	150.9	151.0
110°	176.3	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	203.5	203.9	203.8	203.7	203.6	203.5	203.4	203.0	202.6	202.3	201.9
115°	230.2	230.6	230.5	230.2	230.0	229.7	229.5	229.4	229.2	229.1	229.0
117.5°	258.0	258.5	258.2	257.5	256.9	256.2	255.6	255.2	254.8	254.5	254.1
120°	284.7	285.2	284.7	283.7	282.6	281.6	280.6	280.6	280.6	280.6	280.6
122.5°	310.1	310.7	310.4	309.8	309.1	308.5	307.9	307.5	307.1	306.8	306.4
125°	335.1	335.7	335.5	335.1	334.8	334.4	334.0	333.6	333.2	332.9	332.5
127.5°	361.2	361.9	361.6	361.1	360.6	360.1	359.6	359.1	358.6	358.1	357.6
130°	385.5	386.3	386.2	385.9	385.7	385.4	385.2	384.9	384.7	384.4	384.1
132.5°	410.1	410.7	410.8	410.9	411.0	411.2	411.3	410.7	410.1	409.4	408.8
135°	433.3	434.0	434.1	434.4	434.7	434.9	435.2	435.1	434.9	434.8	434.7
137.5°	457.3	457.9	458.0	458.3	458.5	458.8	459.0	458.9	458.7	458.6	458.5
140°	479.4	480.0	480.3	481.0	481.6	482.3	482.9	482.9	482.9	482.9	482.9
142.5°	502.2	502.8	503.0	503.4	503.7	504.1	504.5	504.6	504.7	504.8	504.9
145°	522.8	523.2	523.6	524.3	525.1	525.8	526.6	526.7	526.9	527.0	527.1
147.5°	543.1	543.7	543.9	544.4	544.9	545.4	545.9	546.2	546.4	546.7	547.0
150°	561.4	561.8	562.1	562.6	563.1	563.6	564.1	564.5	564.9	565.2	565.6
152.5°	579.0	579.4	579.7	580.4	581.0	581.7	582.3	582.8	583.3	583.8	584.3
155°	595.2	595.4	595.6	596.0	596.3	596.7	597.1	597.7	598.3	599.0	599.6
157.5°	610.0	610.1	610.2	610.5	610.8	611.0	611.3	612.2	613.0	613.9	614.8
160°	623.7	623.8	623.9	624.0	624.1	624.2	624.3	625.1	625.8	626.6	627.3
162.5°	635.1	635.1	635.2	635.3	635.4	635.6	635.7	636.6	637.5	638.4	639.3
165°	645.4	645.3	645.3	645.3	645.3	645.3	645.3	646.2	647.1	648.0	648.9
167.5°	654.1	653.9	653.9	653.9	653.9	653.9	653.9	654.8	655.6	656.5	657.4
170°	661.5	661.3	661.2	661.1	661.0	660.8	660.7	661.6	662.5	663.4	664.3
172.5°	666.6	666.4	666.3	666.2	666.1	665.9	665.8	666.7	667.6	668.5	669.4
175°	670.5	670.3	670.2	669.9	669.7	669.4	669.2	670.1	671.0	671.9	672.8
177.5°	672.8	672.6	672.5	672.2	672.0	671.7	671.5	672.3	673.0	673.8	674.5
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	545.2	546.5	543.4	542.5	543.4	540.3	541.2	542.1	542.1	543.4	544.3
5°	513.5	511.8	508.7	507.8	506.9	508.2	507.4	508.7	509.1	512.2	512.6
7.5°	482.3	479.7	477.0	474.4	473.5	471.3	473.5	473.5	476.6	475.7	477.9
10°	445.4	444.9	441.4	440.1	438.3	434.8	439.7	438.3	440.5	444.5	445.4
12.5°	418.1	413.3	415.5	409.3	411.5	408.0	408.4	408.4	412.0	412.4	411.5
15°	392.2	388.2	382.5	379.9	378.5	376.8	382.5	382.9	380.3	386.5	384.3
17.5°	365.8	365.8	360.5	359.2	355.7	357.4	356.6	357.0	356.1	360.5	362.7
20°	342.9	340.7	339.0	339.4	335.0	334.1	333.3	334.1	337.2	340.3	341.2
22.5°	324.5	323.1	318.8	319.6	316.1	317.4	316.6	318.8	319.2	319.2	322.3
25°	306.9	305.1	305.6	303.8	302.5	302.5	301.2	302.5	304.2	305.1	305.6
27.5°	293.7	292.4	290.2	288.9	289.7	287.5	289.3	290.6	290.6	289.7	290.6
30°	277.9	278.7	278.7	274.3	276.1	275.2	276.5	277.4	277.4	277.9	277.0
32.5°	267.3	264.7	264.2	263.8	263.8	262.0	262.0	263.4	263.8	264.2	265.6
35°	253.2	253.2	251.0	252.4	250.6	251.0	250.6	251.0	251.9	250.6	251.9
37.5°	240.5	240.9	240.1	240.9	241.4	240.5	239.6	241.4	240.5	240.5	239.6
40°	229.5	229.1	229.5	229.5	229.5	229.9	229.1	229.1	229.1	228.2	227.3
42.5°	220.3	217.6	218.5	219.0	217.6	217.6	218.1	217.6	219.0	216.3	216.3
45°	207.1	206.2	206.6	206.6	207.5	206.2	207.1	207.5	206.2	205.8	204.9
47.5°	195.2	196.1	195.2	196.1	196.1	197.0	195.2	195.6	196.1	194.3	193.0
50°	183.3	183.3	184.7	184.2	184.7	183.8	183.8	183.3	183.8	182.9	181.6
52.5°	172.3	171.0	173.2	172.8	172.3	171.9	171.5	171.9	171.0	170.1	170.1
55°	158.7	158.7	160.0	160.5	160.5	159.6	158.7	159.2	158.7	158.3	157.8
57.5°	147.7	146.0	146.8	147.3	147.3	146.0	146.8	146.0	146.0	146.4	145.1
60°	133.7	133.7	132.8	134.1	134.1	133.2	133.2	133.7	132.8	132.3	131.9
62.5°	118.7	119.1	120.5	120.9	121.3	120.5	119.6	120.0	120.0	118.7	119.1
65°	106.0	106.8	108.6	108.2	107.3	107.7	106.8	107.3	106.0	106.4	105.1
67.5°	93.6	93.2	93.6	93.6	94.5	94.1	93.2	93.2	92.8	94.1	92.8
70°	80.5	80.5	80.5	80.5	80.9	81.3	80.5	79.6	80.0	79.1	78.7
72.5°	66.8	67.3	66.8	67.7	66.4	67.3	67.3	66.8	66.4	66.4	66.4
75°	54.1	55.0	53.6	54.1	53.6	54.5	54.1	54.1	53.2	52.8	53.2
77.5°	41.3	41.8	40.9	41.3	40.9	41.3	41.3	40.9	40.9	40.9	40.9
80°	29.5	29.9	29.5	29.0	28.6	29.5	28.6	29.0	29.5	29.0	29.9
82.5°	18.9	18.9	18.5	18.9	18.0	18.0	18.5	18.5	18.0	18.9	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.7	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	18.7	18.8	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.8	18.7
92.5°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
95°	36.4	36.3	36.0	35.7	35.5	35.2	35.5	35.7	36.0	36.3	36.4
97.5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
100°	78.4	78.3	78.2	78.1	77.9	77.8	77.9	78.1	78.2	78.3	78.4
102.5°	102.3	102.2	102.1	102.0	101.8	101.7	101.8	102.0	102.1	102.2	102.3
105°	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1
107.5°	151.1	150.8	150.2	149.5	148.9	148.3	148.9	149.5	150.2	150.8	151.1
110°	176.7	176.5	176.1	175.8	175.4	175.0	175.4	175.8	176.1	176.5	176.7

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	201.7	201.6	201.3	201.0	200.8	200.5	200.8	201.0	201.3	201.6	201.7
115°	228.9	228.7	228.3	228.0	227.6	227.2	227.6	228.0	228.3	228.7	228.9
117.5°	253.9	253.7	253.3	253.0	252.6	252.2	252.6	253.0	253.3	253.7	253.9
120°	280.6	280.4	280.0	279.7	279.3	278.9	279.3	279.7	280.0	280.4	280.6
122.5°	306.2	306.1	305.8	305.6	305.3	305.1	305.3	305.6	305.8	306.1	306.2
125°	332.3	332.2	332.1	332.0	331.9	331.8	331.9	332.0	332.1	332.2	332.3
127.5°	357.3	357.1	356.7	356.4	356.0	355.6	356.0	356.4	356.7	357.1	357.3
130°	384.0	383.8	383.3	382.8	382.3	381.8	382.3	382.8	383.3	383.8	384.0
132.5°	408.5	408.3	407.9	407.5	407.1	406.7	407.1	407.5	407.9	408.3	408.5
135°	434.6	434.4	434.0	433.7	433.3	432.9	433.3	433.7	434.0	434.4	434.6
137.5°	458.4	458.2	457.7	457.2	456.7	456.2	456.7	457.2	457.7	458.2	458.4
140°	482.9	482.6	482.1	481.6	481.1	480.6	481.1	481.6	482.1	482.6	482.9
142.5°	505.0	504.8	504.3	503.8	503.3	502.8	503.3	503.8	504.3	504.8	505.0
145°	527.2	526.9	526.4	525.9	525.4	524.9	525.4	525.9	526.4	526.9	527.2
147.5°	547.1	546.8	546.3	545.8	545.3	544.8	545.3	545.8	546.3	546.8	547.1
150°	565.8	565.6	565.2	564.9	564.5	564.1	564.5	564.9	565.2	565.6	565.8
152.5°	584.6	584.3	583.8	583.3	582.8	582.3	582.8	583.3	583.8	584.3	584.6
155°	599.9	599.7	599.3	599.0	598.6	598.2	598.6	599.0	599.3	599.7	599.9
157.5°	615.2	614.9	614.3	613.6	613.0	612.4	613.0	613.6	614.3	614.9	615.2
160°	627.7	627.5	627.0	626.5	626.0	625.5	626.0	626.5	627.0	627.5	627.7
162.5°	639.7	639.4	638.7	638.1	637.4	636.8	637.4	638.1	638.7	639.4	639.7
165°	649.3	649.0	648.4	647.7	647.1	646.5	647.1	647.7	648.4	649.0	649.3
167.5°	657.8	657.5	656.9	656.2	655.6	655.0	655.6	656.2	656.9	657.5	657.8
170°	664.7	664.3	663.6	662.8	662.1	661.3	662.1	662.8	663.6	664.3	664.7
172.5°	669.8	669.4	668.7	667.9	667.2	666.4	667.2	667.9	668.7	669.4	669.8
175°	673.2	672.8	672.1	671.3	670.6	669.8	670.6	671.3	672.1	672.8	673.2
177.5°	674.9	674.5	673.8	673.0	672.3	671.5	672.3	673.0	673.8	674.5	674.9
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	543.0	546.5	545.2	540.3	546.1	546.1	550.0	550.0	554.9	556.6	559.2
5°	512.2	514.8	517.0	514.8	518.8	525.0	528.5	531.5	538.1	540.8	544.7
7.5°	479.2	484.1	486.3	486.3	492.9	499.9	506.9	511.3	520.6	524.1	528.0
10°	447.1	452.8	457.2	456.8	467.8	472.2	481.0	491.1	500.3	505.6	511.3
12.5°	413.3	416.4	422.5	431.3	433.9	441.9	452.0	464.7	481.4	486.3	494.6
15°	385.1	393.5	398.3	402.3	408.4	415.9	426.9	439.2	455.9	466.5	475.3
17.5°	361.4	372.4	375.5	374.6	382.5	393.9	406.7	415.9	430.9	443.6	452.0
20°	342.1	346.5	351.7	353.9	360.1	372.4	384.7	395.3	407.6	417.7	427.3
22.5°	322.7	326.2	330.6	334.6	339.4	346.5	358.3	371.5	383.4	393.1	404.0
25°	306.9	309.1	313.0	316.1	321.4	326.2	334.6	349.1	363.2	368.9	378.5
27.5°	291.5	293.3	295.9	299.4	302.0	306.9	314.4	326.2	340.7	346.5	359.6
30°	277.9	279.2	281.8	283.6	284.9	290.6	296.3	305.6	316.6	324.5	334.1
32.5°	265.1	266.4	269.1	269.5	271.3	274.3	279.6	288.0	297.6	304.2	312.6
35°	251.0	251.9	254.6	255.4	256.8	259.4	263.4	269.5	278.3	283.1	290.6
37.5°	240.1	239.6	241.4	242.7	244.5	245.8	247.1	253.2	259.8	264.2	270.0
40°	228.2	227.3	227.7	229.5	230.4	232.1	232.1	238.3	242.7	246.2	250.6
42.5°	216.3	215.9	215.0	215.9	216.8	217.2	217.6	222.0	226.4	229.5	234.3
45°	204.4	204.0	203.1	203.6	203.6	204.4	205.8	207.5	210.6	213.2	215.9
47.5°	193.5	192.6	191.3	190.8	191.7	191.7	191.7	193.5	196.5	197.4	200.0
50°	182.0	180.7	178.9	178.1	178.1	177.6	178.5	178.9	181.6	182.5	184.7
52.5°	169.7	168.8	167.1	165.3	165.8	164.9	165.3	165.8	166.6	167.9	169.3
55°	157.4	155.6	154.3	153.9	152.6	152.6	151.2	153.0	152.6	153.0	154.8
57.5°	145.5	143.8	141.6	140.7	139.4	138.9	138.1	137.6	138.1	139.4	140.7
60°	131.5	130.6	129.3	127.9	127.1	125.7	124.9	124.9	124.4	124.4	124.9
62.5°	117.8	117.4	115.6	115.2	114.3	113.4	112.1	111.2	111.2	112.1	112.6
65°	104.6	104.2	102.9	102.4	100.2	99.4	98.9	98.5	97.6	97.6	97.6
67.5°	92.3	91.0	91.0	88.8	87.1	86.2	85.3	84.9	84.9	84.9	85.3
70°	78.7	78.7	77.4	76.1	74.3	74.7	73.4	72.1	72.1	71.2	71.7
72.5°	65.5	65.1	63.8	63.3	62.0	60.7	59.8	60.7	59.4	58.9	59.4
75°	52.8	52.3	51.4	50.6	51.0	49.7	48.4	47.9	47.9	47.0	47.0
77.5°	40.4	41.3	39.6	39.1	38.3	37.4	36.9	36.5	36.5	36.5	37.4
80°	28.1	28.6	28.6	27.7	28.1	26.8	26.8	26.8	25.5	25.9	26.4
82.5°	18.0	18.0	17.6	18.0	17.6	17.6	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.7	9.2	10.1	9.7	9.7	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	18.8	19.1	19.4	19.6	19.9	17.1	14.3	11.6	8.8	7.4	6.6
92.5°	18.1	18.0	17.9	17.7	17.6	17.5	17.3	17.2	17.1	17.0	16.5
95°	36.4	36.4	36.4	36.4	36.4	36.1	35.9	35.6	35.3	35.2	34.6
97.5°	56.8	56.8	56.8	56.8	56.8	56.3	55.8	55.3	54.8	54.5	53.9
100°	78.4	78.4	78.4	78.4	78.4	78.0	77.6	77.3	76.9	76.7	76.2
102.5°	102.2	102.1	102.0	101.8	101.7	101.2	100.7	100.2	99.7	99.4	99.0
105°	126.0	125.7	125.5	125.2	125.0	124.7	124.5	124.2	123.9	123.8	123.6
107.5°	151.0	150.9	150.8	150.6	150.5	150.5	150.5	150.5	150.5	150.5	150.3
110°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.3

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	201.9	202.3	202.6	203.0	203.4	203.5	203.6	203.7	203.8	203.9	203.5
115°	229.0	229.1	229.2	229.4	229.5	229.7	230.0	230.2	230.5	230.6	230.2
117.5°	254.1	254.5	254.8	255.2	255.6	256.2	256.9	257.5	258.2	258.5	258.0
120°	280.6	280.6	280.6	280.6	280.6	281.6	282.6	283.7	284.7	285.2	284.7
122.5°	306.4	306.8	307.1	307.5	307.9	308.5	309.1	309.8	310.4	310.7	310.1
125°	332.5	332.9	333.2	333.6	334.0	334.4	334.8	335.1	335.5	335.7	335.1
127.5°	357.6	358.1	358.6	359.1	359.6	360.1	360.6	361.1	361.6	361.9	361.2
130°	384.1	384.4	384.7	384.9	385.2	385.4	385.7	385.9	386.2	386.3	385.5
132.5°	408.8	409.4	410.1	410.7	411.3	411.2	411.0	410.9	410.8	410.7	410.1
135°	434.7	434.8	434.9	435.1	435.2	434.9	434.7	434.4	434.1	434.0	433.3
137.5°	458.5	458.6	458.7	458.9	459.0	458.8	458.5	458.3	458.0	457.9	457.3
140°	482.9	482.9	482.9	482.9	482.9	482.3	481.6	481.0	480.3	480.0	479.4
142.5°	504.9	504.8	504.7	504.6	504.5	504.1	503.7	503.4	503.0	502.8	502.2
145°	527.1	527.0	526.9	526.7	526.6	525.8	525.1	524.3	523.6	523.2	522.8
147.5°	547.0	546.7	546.4	546.2	545.9	545.4	544.9	544.4	543.9	543.7	543.1
150°	565.6	565.2	564.9	564.5	564.1	563.6	563.1	562.6	562.1	561.8	561.4
152.5°	584.3	583.8	583.3	582.8	582.3	581.7	581.0	580.4	579.7	579.4	579.0
155°	599.6	599.0	598.3	597.7	597.1	596.7	596.3	596.0	595.6	595.4	595.2
157.5°	614.8	613.9	613.0	612.2	611.3	611.0	610.8	610.5	610.2	610.1	610.0
160°	627.3	626.6	625.8	625.1	624.3	624.2	624.1	624.0	623.9	623.8	623.7
162.5°	639.3	638.4	637.5	636.6	635.7	635.6	635.4	635.3	635.2	635.1	635.1
165°	648.9	648.0	647.1	646.2	645.3	645.3	645.3	645.3	645.3	645.3	645.4
167.5°	657.4	656.5	655.6	654.8	653.9	653.9	653.9	653.9	653.9	653.9	654.1
170°	664.3	663.4	662.5	661.6	660.7	660.8	661.0	661.1	661.2	661.3	661.5
172.5°	669.4	668.5	667.6	666.7	665.8	665.9	666.1	666.2	666.3	666.4	666.6
175°	672.8	671.9	671.0	670.1	669.2	669.4	669.7	669.9	670.2	670.3	670.5
177.5°	674.5	673.8	673.0	672.3	671.5	671.7	672.0	672.2	672.5	672.6	672.8
180°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	572.0	572.0	572.0	572.0
2.5°	561.4	561.4	568.0	575.1
5°	549.1	552.2	562.8	572.4
7.5°	537.3	542.5	555.7	568.0
10°	522.8	529.8	546.1	560.6
12.5°	508.7	515.3	534.2	550.5
15°	488.9	497.3	517.5	537.7
17.5°	469.1	477.5	502.1	525.8
20°	445.8	456.8	484.5	516.2
22.5°	424.3	437.9	468.7	494.2
25°	400.5	421.6	450.2	483.2
27.5°	379.4	400.5	429.5	463.0
30°	355.7	377.2	407.1	437.9
32.5°	332.8	352.6	381.6	419.4
35°	309.1	328.0	356.1	394.4
37.5°	287.5	306.0	336.8	372.0
40°	266.4	285.8	312.2	347.3
42.5°	246.6	263.8	287.5	322.7
45°	228.6	240.9	262.9	295.9
47.5°	209.7	220.7	240.9	273.9
50°	192.1	201.4	219.0	249.7
52.5°	175.0	182.9	199.2	223.8
55°	159.6	167.1	178.9	203.1
57.5°	143.8	149.5	160.9	180.3
60°	128.4	133.7	142.9	158.7
62.5°	113.0	117.4	126.2	138.9
65°	99.4	102.9	109.5	120.5
67.5°	86.2	88.4	93.6	102.4
70°	73.4	75.2	79.6	86.6
72.5°	59.8	61.6	66.4	71.2
75°	48.4	48.8	52.3	56.3
77.5°	37.8	37.4	40.0	43.1
80°	25.9	27.3	29.5	30.8
82.5°	17.6	18.0	18.9	19.8
85°	9.7	10.1	10.1	11.4
87.5°	4.0	4.4	4.4	4.8
90°	5.1	3.6	2.1	0.6
92.5°	15.5	14.5	13.5	12.5
95°	33.3	32.0	30.8	29.5
97.5°	52.8	51.7	50.5	49.4
100°	75.2	74.1	73.1	72.1
102.5°	98.3	97.5	96.8	96.0
105°	123.2	122.9	122.5	122.1
107.5°	149.8	149.3	148.8	148.3
110°	175.6	174.8	174.1	173.3



TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	202.8	202.0	201.3	200.5
115°	229.5	228.7	228.0	227.2
117.5°	257.0	255.9	254.9	253.9
120°	283.7	282.6	281.6	280.6
122.5°	308.8	307.6	306.3	305.1
125°	334.0	332.9	331.7	330.6
127.5°	359.8	358.4	357.0	355.6
130°	383.8	382.2	380.5	378.9
132.5°	408.8	407.5	406.3	405.0
135°	431.9	430.6	429.2	427.8
137.5°	456.2	455.1	453.9	452.8
140°	478.3	477.2	476.0	474.9
142.5°	501.1	499.9	498.8	497.6
145°	521.9	521.0	520.1	519.2
147.5°	542.0	540.8	539.7	538.5
150°	560.7	559.9	559.2	558.4
152.5°	578.3	577.5	576.8	576.0
155°	594.8	594.4	594.0	593.6
157.5°	609.7	609.5	609.2	609.0
160°	623.4	623.1	622.9	622.6
162.5°	635.1	635.1	635.1	635.1
165°	645.5	645.6	645.8	645.9
167.5°	654.5	654.8	655.2	655.6
170°	661.9	662.2	662.6	663.0
172.5°	667.0	667.3	667.7	668.1
175°	670.9	671.2	671.6	672.0
177.5°	673.2	673.5	673.9	674.3
180°	673.2	673.2	673.2	673.2

TEST NUMBER: P998241

CATALOG NUMBER: SA2XXDIP-B290D530UB40-4F0-XX-W2A-A1

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.50	13.26	13.55	14.30	15.71	10.00	10.75	11.04	11.80	13.20
	3H	13.31	13.98	14.36	15.04	16.46	11.33	12.01	12.39	13.06	14.49
	4H	13.47	14.11	14.54	15.17	16.60	11.79	12.43	12.86	13.49	14.92
	6H	13.51	14.10	14.59	15.16	16.60	12.09	12.68	13.17	13.74	15.19
	8H	13.49	14.05	14.57	15.12	16.56	12.17	12.73	13.25	13.81	15.25
	12H	13.45	13.98	14.53	15.05	16.51	12.21	12.74	13.30	13.81	15.28
4H	2H	12.53	13.17	13.60	14.23	15.66	10.43	11.07	11.50	12.13	13.56
	3H	13.50	14.04	14.58	15.12	16.57	11.88	12.41	12.96	13.50	14.94
	4H	13.78	14.26	14.86	15.34	16.81	12.41	12.90	13.50	13.97	15.44
	6H	13.90	14.32	14.99	15.42	16.88	12.79	13.20	13.88	14.30	15.76
	8H	13.90	14.29	14.99	15.38	16.85	12.89	13.28	13.99	14.37	15.85
	12H	13.86	14.21	14.97	15.31	16.79	12.95	13.30	14.06	14.40	15.88
8H	4H	13.78	14.17	14.87	15.26	16.73	12.55	12.94	13.64	14.03	15.50
	6H	13.95	14.27	15.07	15.41	16.88	12.98	13.30	14.09	14.43	15.90
	8H	13.98	14.26	15.10	15.38	16.87	13.13	13.41	14.25	14.52	16.02
	12H	13.96	14.21	15.09	15.32	16.85	13.22	13.46	14.34	14.57	16.10
12H	4H	13.73	14.08	14.84	15.18	16.67	12.52	12.87	13.63	13.97	15.45
	6H	13.93	14.21	15.05	15.33	16.82	12.98	13.26	14.10	14.37	15.87
	8H	13.96	14.21	15.08	15.31	16.85	13.13	13.38	14.25	14.49	16.02