

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: P998302

Luminaire Tested: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998302
REPORT IS A COMBINATION OF REPORTS P984042 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

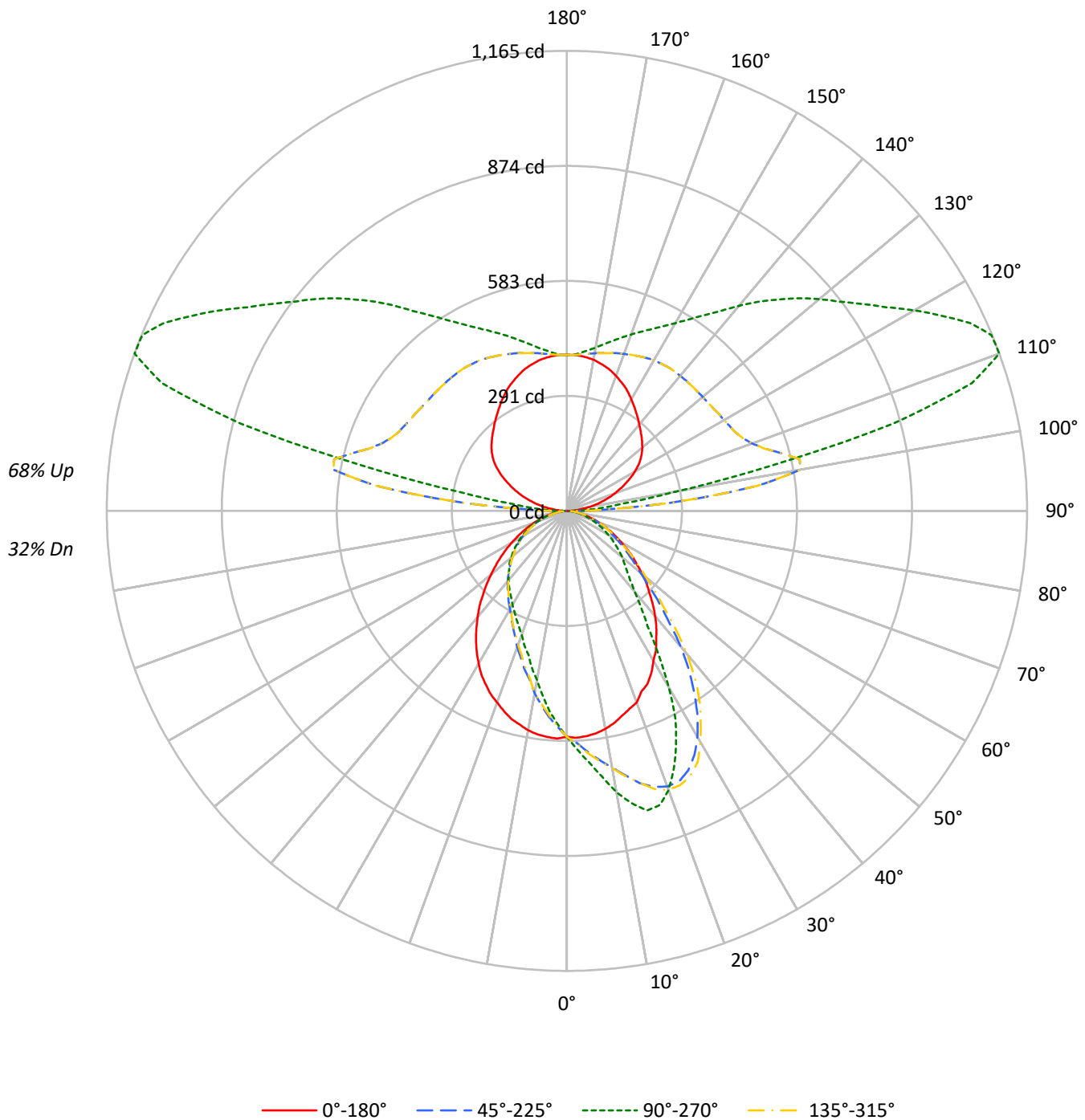
Lumens per Lamp: N/A
Luminaire Lumens: 4014.0 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	34	34
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29
3	78	69	63	57	70	63	57	52	50	46	43	39	36	34	28	26	25
4	72	62	54	48	64	56	49	44	45	40	37	35	31	29	25	23	22
5	66	55	47	41	59	50	43	38	40	35	32	31	28	25	23	21	19
6	61	49	42	36	54	45	38	33	36	31	28	28	25	22	21	19	17
7	56	44	37	32	50	40	34	29	33	28	24	26	22	20	19	17	15
8	52	40	33	28	47	37	30	26	30	25	22	23	20	18	17	15	14
9	48	37	30	25	44	34	27	23	27	23	19	22	18	16	16	14	12
10	45	34	27	22	41	31	25	21	25	21	17	20	17	14	15	13	11

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	1.4
10°-20°	158.6	4.0
20°-30°	230.1	5.7
30°-40°	242.6	6.0
40°-50°	214.7	5.3
50°-60°	171.4	4.3
60°-70°	116.4	2.9
70°-80°	59.6	1.5
80°-90°	16.6	0.4
90°-100°	153.9	3.8
100°-110°	542.0	13.5
110°-120°	569.2	14.2
120°-130°	468.3	11.7
130°-140°	376.2	9.4
140°-150°	284.2	7.1
150°-160°	199.8	5.0
160°-170°	117.6	2.9
170°-180°	38.3	1.0
0°-30°	443.2	11.0
0°-40°	685.8	17.1
0°-60°	1071.9	26.7
0°-90°	1264.5	31.5
90°-120°	1265.1	31.5
90°-150°	2393.8	59.6
90°-180°	2749.0	68.5
0°-180°	4014.0	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	25	1	25	1	2
95°	27	87	27	87	27	27
105°	93	856	93	856	93	98
115°	163	1126	163	1126	163	162
125°	228	913	228	913	228	202
135°	267	757	267	757	267	206
145°	305	604	305	604	305	191
155°	347	508	347	508	347	160
165°	378	446	378	446	378	107
175°	394	402	394	402	394	37
180°	395	395	395	395	395	

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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°	0.8	3.0	6.1	7.6	9.1	10.2	11.4	15.2	20.5	25.1	25.8
92.5°	11.4	15.9	22.0	25.8	31.9	36.0	40.2	60.7	89.6	115.4	116.9
95°	26.6	29.6	37.2	44.0	56.2	65.3	74.4	109.3	175.4	263.5	297.6
97.5°	39.5	44.0	52.4	62.3	75.9	86.2	96.4	141.2	233.1	375.1	485.2
100°	58.5	60.7	67.6	79.7	94.9	105.6	116.2	156.4	249.0	413.0	599.8
102.5°	75.9	77.4	84.3	96.4	112.4	123.0	133.6	170.1	249.8	398.6	603.6
105°	92.6	95.7	101.0	112.4	129.1	139.7	150.3	186.0	253.6	378.9	562.6
107.5°	110.9	113.1	118.4	129.1	145.8	156.4	167.0	202.0	261.9	368.2	524.6
110°	129.1	132.1	136.7	146.5	162.5	173.5	184.5	217.9	272.6	365.2	498.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	145.8	148.8	154.1	163.2	178.4	189.8	201.2	233.1	284.0	366.0	482.1
115°	163.2	167.0	171.6	180.7	195.9	206.2	216.4	249.0	295.3	369.0	470.7
117.5°	181.5	184.5	189.1	197.4	211.8	222.4	233.1	263.5	307.5	373.6	464.7
120°	198.2	201.2	205.8	212.6	227.8	238.4	249.0	278.6	319.6	378.1	459.3
122.5°	214.1	216.4	220.9	228.5	243.7	254.7	265.7	293.1	330.3	383.4	456.3
125°	227.8	230.1	234.6	243.7	258.9	269.5	280.2	307.5	341.7	388.7	452.5
127.5°	239.2	242.2	248.3	258.1	272.6	283.6	294.6	321.2	352.3	394.1	450.2
130°	249.0	252.1	259.7	270.3	285.5	296.1	306.7	333.3	362.2	400.1	448.7
132.5°	258.1	261.9	270.3	281.7	297.6	308.2	318.9	343.9	372.0	406.2	448.0
135°	267.3	270.3	279.4	290.8	308.3	318.9	329.5	353.8	380.4	410.8	447.2
137.5°	275.6	279.4	288.5	300.7	318.1	328.0	337.9	362.2	387.2	415.3	447.2
140°	285.5	288.5	297.6	309.8	326.5	336.4	346.2	369.0	392.5	418.3	446.4
142.5°	295.3	297.6	306.0	318.1	334.1	343.2	352.3	374.3	397.1	420.6	446.4
145°	305.2	308.3	315.8	327.2	342.4	350.8	359.1	379.6	400.9	422.1	444.9
147.5°	315.8	318.1	325.7	336.3	349.3	356.8	364.4	384.2	403.2	422.9	442.6
150°	326.5	328.8	334.8	344.7	356.1	363.0	369.8	387.2	404.7	422.1	440.4
152.5°	337.1	337.9	343.9	352.3	362.9	369.0	375.1	390.3	405.4	420.6	436.6
155°	347.0	347.7	352.3	360.6	369.0	374.7	380.4	393.3	406.2	419.1	432.0
157.5°	355.3	356.1	359.9	367.5	374.3	379.2	384.2	395.6	406.2	416.1	427.5
160°	363.7	364.4	367.5	373.6	379.6	383.8	388.0	397.1	406.2	413.8	422.9
162.5°	372.0	371.3	374.3	378.9	384.2	387.2	390.3	397.8	405.4	411.5	419.1
165°	378.1	377.3	378.9	383.4	387.2	389.5	391.8	398.6	403.9	408.5	413.8
167.5°	383.4	382.7	384.2	387.2	390.3	391.8	393.3	398.6	403.2	405.4	409.2
170°	388.7	387.2	388.0	390.3	391.8	393.0	394.1	397.8	401.6	403.2	405.4
172.5°	391.8	391.0	390.3	392.5	393.3	394.0	394.8	397.1	399.4	400.1	400.9
175°	394.1	393.3	392.5	394.1	394.1	394.5	394.8	396.3	397.8	397.1	397.8
177.5°	395.6	394.1	393.3	394.8	394.8	394.8	394.8	395.6	397.1	395.6	394.8
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

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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°	25.1	24.3	22.8	24.3	24.7	25.1	25.1	25.1	25.1	25.1	25.1
92.5°	97.9	76.7	65.3	56.9	53.9	50.9	50.1	47.1	47.8	46.3	47.8
95°	260.4	198.9	152.6	120.7	112.4	104.0	94.1	88.1	85.8	86.6	85.8
97.5°	489.0	407.0	325.0	248.3	225.5	202.7	173.1	157.9	149.6	145.0	149.6
100°	709.1	693.2	599.0	495.0	449.1	403.2	340.1	307.5	285.5	271.8	285.5
102.5°	791.1	880.7	877.7	808.6	759.2	709.9	640.0	578.5	549.7	530.0	549.7
105°	764.6	922.5	1008.3	1018.2	1005.6	993.1	946.0	899.0	866.3	855.7	866.3
107.5°	708.4	877.7	1005.2	1079.7	1094.8	1110.0	1109.3	1102.4	1092.6	1075.1	1092.6
110°	656.0	816.2	952.1	1049.3	1080.4	1111.5	1144.2	1158.6	1165.4	1164.7	1165.4

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	619.5	760.0	889.1	994.6	1031.4	1068.3	1116.9	1143.4	1157.9	1163.2	1157.9
115°	590.7	716.0	832.9	932.4	971.5	1010.6	1064.5	1099.4	1119.1	1126.0	1119.1
117.5°	571.0	679.5	784.3	876.9	914.1	951.3	1006.8	1044.0	1064.5	1069.8	1064.5
120°	555.8	653.7	747.9	828.3	862.8	897.4	950.6	986.3	1008.3	1015.9	1008.3
122.5°	542.9	633.2	717.5	792.7	823.0	853.4	899.7	934.6	953.6	959.7	953.6
125°	530.7	613.5	691.7	758.5	787.0	815.4	859.5	888.3	907.3	913.4	907.3
127.5°	519.3	593.7	665.9	729.6	756.2	782.8	821.5	848.8	865.5	870.1	865.5
130°	507.9	574.8	640.0	700.0	725.0	750.1	787.3	813.2	828.3	834.4	828.3
132.5°	498.8	556.5	615.8	669.7	692.8	716.0	752.4	778.2	791.9	797.2	791.9
135°	490.5	539.8	589.9	640.0	661.3	682.6	715.2	740.3	753.9	757.0	753.9
137.5°	484.4	526.2	569.4	610.4	629.4	648.4	679.5	701.5	713.7	718.2	713.7
140°	479.1	513.3	549.7	584.6	601.3	618.0	642.3	662.1	673.5	678.0	673.5
142.5°	473.8	502.6	532.2	561.1	574.4	587.7	610.4	627.9	637.8	637.8	637.8
145°	469.2	492.8	517.8	541.3	552.3	563.4	581.6	594.5	602.1	604.4	602.1
147.5°	464.7	485.2	505.7	524.6	533.0	541.3	557.3	567.9	573.2	574.8	573.2
150°	458.6	476.8	493.5	509.5	516.3	523.1	534.5	543.6	548.2	548.9	548.2
152.5°	453.3	468.5	483.6	496.5	502.2	507.9	516.3	523.9	526.9	526.9	526.9
155°	446.4	460.9	473.0	484.4	488.6	492.8	501.1	506.4	509.5	507.9	509.5
157.5°	440.4	451.8	462.4	472.3	475.7	479.1	485.2	489.7	491.2	491.2	491.2
160°	433.5	443.4	451.8	460.1	462.8	465.4	470.7	474.5	475.3	475.3	475.3
162.5°	427.5	435.0	441.9	448.7	450.6	452.5	457.8	460.1	460.9	460.1	460.9
165°	420.6	426.7	432.0	437.3	438.8	440.4	443.4	446.4	446.4	445.7	446.4
167.5°	413.8	418.3	422.9	426.7	428.2	429.7	431.3	432.8	432.8	432.0	432.8
170°	408.5	412.3	414.5	417.6	418.4	419.1	419.9	422.1	421.4	419.9	421.4
172.5°	403.2	405.4	407.0	409.2	409.6	410.0	410.8	411.5	410.8	410.0	410.8
175°	398.6	400.9	401.6	402.4	402.8	403.2	403.2	403.9	403.2	401.6	403.2
177.5°	395.6	397.1	397.1	397.8	397.8	397.8	397.8	397.8	397.1	395.6	397.1
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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°	25.1	25.1	25.1	24.7	24.3	22.8	24.3	25.1	25.8	25.1	20.5
92.5°	47.1	50.1	50.9	53.9	56.9	65.3	76.7	97.9	116.9	115.4	89.6
95°	88.1	94.1	104.0	112.4	120.7	152.6	198.9	260.4	297.6	263.5	175.4
97.5°	157.9	173.1	202.7	225.5	248.3	325.0	407.0	489.0	485.2	375.1	233.1
100°	307.5	340.1	403.2	449.1	495.0	599.0	693.2	709.1	599.8	413.0	249.0
102.5°	578.5	640.0	709.9	759.2	808.6	877.7	880.7	791.1	603.6	398.6	249.8
105°	899.0	946.0	993.1	1005.6	1018.2	1008.3	922.5	764.6	562.6	378.9	253.6
107.5°	1102.4	1109.3	1110.0	1094.8	1079.7	1005.2	877.7	708.4	524.6	368.2	261.9
110°	1158.6	1144.2	1111.5	1080.4	1049.3	952.1	816.2	656.0	498.8	365.2	272.6

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1143.4	1116.9	1068.3	1031.4	994.6	889.1	760.0	619.5	482.1	366.0	284.0
115°	1099.4	1064.5	1010.6	971.5	932.4	832.9	716.0	590.7	470.7	369.0	295.3
117.5°	1044.0	1006.8	951.3	914.1	876.9	784.3	679.5	571.0	464.7	373.6	307.5
120°	986.3	950.6	897.4	862.8	828.3	747.9	653.7	555.8	459.3	378.1	319.6
122.5°	934.6	899.7	853.4	823.0	792.7	717.5	633.2	542.9	456.3	383.4	330.3
125°	888.3	859.5	815.4	787.0	758.5	691.7	613.5	530.7	452.5	388.7	341.7
127.5°	848.8	821.5	782.8	756.2	729.6	665.9	593.7	519.3	450.2	394.1	352.3
130°	813.2	787.3	750.1	725.0	700.0	640.0	574.8	507.9	448.7	400.1	362.2
132.5°	778.2	752.4	716.0	692.8	669.7	615.8	556.5	498.8	448.0	406.2	372.0
135°	740.3	715.2	682.6	661.3	640.0	589.9	539.8	490.5	447.2	410.8	380.4
137.5°	701.5	679.5	648.4	629.4	610.4	569.4	526.2	484.4	447.2	415.3	387.2
140°	662.1	642.3	618.0	601.3	584.6	549.7	513.3	479.1	446.4	418.3	392.5
142.5°	627.9	610.4	587.7	574.4	561.1	532.2	502.6	473.8	446.4	420.6	397.1
145°	594.5	581.6	563.4	552.3	541.3	517.8	492.8	469.2	444.9	422.1	400.9
147.5°	567.9	557.3	541.3	533.0	524.6	505.7	485.2	464.7	442.6	422.9	403.2
150°	543.6	534.5	523.1	516.3	509.5	493.5	476.8	458.6	440.4	422.1	404.7
152.5°	523.9	516.3	507.9	502.2	496.5	483.6	468.5	453.3	436.6	420.6	405.4
155°	506.4	501.1	492.8	488.6	484.4	473.0	460.9	446.4	432.0	419.1	406.2
157.5°	489.7	485.2	479.1	475.7	472.3	462.4	451.8	440.4	427.5	416.1	406.2
160°	474.5	470.7	465.4	462.8	460.1	451.8	443.4	433.5	422.9	413.8	406.2
162.5°	460.1	457.8	452.5	450.6	448.7	441.9	435.0	427.5	419.1	411.5	405.4
165°	446.4	443.4	440.4	438.8	437.3	432.0	426.7	420.6	413.8	408.5	403.9
167.5°	432.8	431.3	429.7	428.2	426.7	422.9	418.3	413.8	409.2	405.4	403.2
170°	422.1	419.9	419.1	418.4	417.6	414.5	412.3	408.5	405.4	403.2	401.6
172.5°	411.5	410.8	410.0	409.6	409.2	407.0	405.4	403.2	400.9	400.1	399.4
175°	403.9	403.2	403.2	402.8	402.4	401.6	400.9	398.6	397.8	397.1	397.8
177.5°	397.8	397.8	397.8	397.8	397.8	397.1	397.1	395.6	394.8	395.6	397.1
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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°	15.2	11.4	10.2	9.1	7.6	6.1	3.0	0.8	3.0	6.1	7.6
92.5°	60.7	40.2	36.0	31.9	25.8	22.0	15.9	11.4	15.9	22.0	25.8
95°	109.3	74.4	65.3	56.2	44.0	37.2	29.6	26.6	29.6	37.2	44.0
97.5°	141.2	96.4	86.2	75.9	62.3	52.4	44.0	39.5	44.0	52.4	62.3
100°	156.4	116.2	105.6	94.9	79.7	67.6	60.7	58.5	60.7	67.6	79.7
102.5°	170.1	133.6	123.0	112.4	96.4	84.3	77.4	75.9	77.4	84.3	96.4
105°	186.0	150.3	139.7	129.1	112.4	101.0	95.7	92.6	95.7	101.0	112.4
107.5°	202.0	167.0	156.4	145.8	129.1	118.4	113.1	110.9	113.1	118.4	129.1
110°	217.9	184.5	173.5	162.5	146.5	136.7	132.1	129.1	132.1	136.7	146.5

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	233.1	201.2	189.8	178.4	163.2	154.1	148.8	145.8	148.8	154.1	163.2
115°	249.0	216.4	206.2	195.9	180.7	171.6	167.0	163.2	167.0	171.6	180.7
117.5°	263.5	233.1	222.4	211.8	197.4	189.1	184.5	181.5	184.5	189.1	197.4
120°	278.6	249.0	238.4	227.8	212.6	205.8	201.2	198.2	201.2	205.8	212.6
122.5°	293.1	265.7	254.7	243.7	228.5	220.9	216.4	214.1	216.4	220.9	228.5
125°	307.5	280.2	269.5	258.9	243.7	234.6	230.1	227.8	230.1	234.6	243.7
127.5°	321.2	294.6	283.6	272.6	258.1	248.3	242.2	239.2	242.2	248.3	258.1
130°	333.3	306.7	296.1	285.5	270.3	259.7	252.1	249.0	252.1	259.7	270.3
132.5°	343.9	318.9	308.2	297.6	281.7	270.3	261.9	258.1	261.9	270.3	281.7
135°	353.8	329.5	318.9	308.3	290.8	279.4	270.3	267.3	270.3	279.4	290.8
137.5°	362.2	337.9	328.0	318.1	300.7	288.5	279.4	275.6	279.4	288.5	300.7
140°	369.0	346.2	336.4	326.5	309.8	297.6	288.5	285.5	288.5	297.6	309.8
142.5°	374.3	352.3	343.2	334.1	318.1	306.0	297.6	295.3	297.6	306.0	318.1
145°	379.6	359.1	350.8	342.4	327.2	315.8	308.3	305.2	308.3	315.8	327.2
147.5°	384.2	364.4	356.8	349.3	336.3	325.7	318.1	315.8	318.1	325.7	336.3
150°	387.2	369.8	363.0	356.1	344.7	334.8	328.8	326.5	328.8	334.8	344.7
152.5°	390.3	375.1	369.0	362.9	352.3	343.9	337.9	337.1	337.9	343.9	352.3
155°	393.3	380.4	374.7	369.0	360.6	352.3	347.7	347.0	347.7	352.3	360.6
157.5°	395.6	384.2	379.2	374.3	367.5	359.9	356.1	355.3	356.1	359.9	367.5
160°	397.1	388.0	383.8	379.6	373.6	367.5	364.4	363.7	364.4	367.5	373.6
162.5°	397.8	390.3	387.2	384.2	378.9	374.3	371.3	372.0	371.3	374.3	378.9
165°	398.6	391.8	389.5	387.2	383.4	378.9	377.3	378.1	377.3	378.9	383.4
167.5°	398.6	393.3	391.8	390.3	387.2	384.2	382.7	383.4	382.7	384.2	387.2
170°	397.8	394.1	393.0	391.8	390.3	388.0	387.2	388.7	387.2	388.0	390.3
172.5°	397.1	394.8	394.0	393.3	392.5	390.3	391.0	391.8	391.0	390.3	392.5
175°	396.3	394.8	394.5	394.1	394.1	392.5	393.3	394.1	393.3	392.5	394.1
177.5°	395.6	394.8	394.8	394.8	394.8	393.3	394.1	395.6	394.1	393.3	394.8
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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°	9.1	10.2	11.4	15.2	20.5	25.1	25.8	25.1	24.3	22.8	24.3
92.5°	31.9	36.0	40.2	60.7	89.6	115.4	116.9	97.9	76.7	65.3	56.9
95°	56.2	65.3	74.4	109.3	175.4	263.5	297.6	260.4	198.9	152.6	120.7
97.5°	75.9	86.2	96.4	141.2	233.1	375.1	485.2	489.0	407.0	325.0	248.3
100°	94.9	105.6	116.2	156.4	249.0	413.0	599.8	709.1	693.2	599.0	495.0
102.5°	112.4	123.0	133.6	170.1	249.8	398.6	603.6	791.1	880.7	877.7	808.6
105°	129.1	139.7	150.3	186.0	253.6	378.9	562.6	764.6	922.5	1008.3	1018.2
107.5°	145.8	156.4	167.0	202.0	261.9	368.2	524.6	708.4	877.7	1005.2	1079.7
110°	162.5	173.5	184.5	217.9	272.6	365.2	498.8	656.0	816.2	952.1	1049.3

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	178.4	189.8	201.2	233.1	284.0	366.0	482.1	619.5	760.0	889.1	994.6
115°	195.9	206.2	216.4	249.0	295.3	369.0	470.7	590.7	716.0	832.9	932.4
117.5°	211.8	222.4	233.1	263.5	307.5	373.6	464.7	571.0	679.5	784.3	876.9
120°	227.8	238.4	249.0	278.6	319.6	378.1	459.3	555.8	653.7	747.9	828.3
122.5°	243.7	254.7	265.7	293.1	330.3	383.4	456.3	542.9	633.2	717.5	792.7
125°	258.9	269.5	280.2	307.5	341.7	388.7	452.5	530.7	613.5	691.7	758.5
127.5°	272.6	283.6	294.6	321.2	352.3	394.1	450.2	519.3	593.7	665.9	729.6
130°	285.5	296.1	306.7	333.3	362.2	400.1	448.7	507.9	574.8	640.0	700.0
132.5°	297.6	308.2	318.9	343.9	372.0	406.2	448.0	498.8	556.5	615.8	669.7
135°	308.3	318.9	329.5	353.8	380.4	410.8	447.2	490.5	539.8	589.9	640.0
137.5°	318.1	328.0	337.9	362.2	387.2	415.3	447.2	484.4	526.2	569.4	610.4
140°	326.5	336.4	346.2	369.0	392.5	418.3	446.4	479.1	513.3	549.7	584.6
142.5°	334.1	343.2	352.3	374.3	397.1	420.6	446.4	473.8	502.6	532.2	561.1
145°	342.4	350.8	359.1	379.6	400.9	422.1	444.9	469.2	492.8	517.8	541.3
147.5°	349.3	356.8	364.4	384.2	403.2	422.9	442.6	464.7	485.2	505.7	524.6
150°	356.1	363.0	369.8	387.2	404.7	422.1	440.4	458.6	476.8	493.5	509.5
152.5°	362.9	369.0	375.1	390.3	405.4	420.6	436.6	453.3	468.5	483.6	496.5
155°	369.0	374.7	380.4	393.3	406.2	419.1	432.0	446.4	460.9	473.0	484.4
157.5°	374.3	379.2	384.2	395.6	406.2	416.1	427.5	440.4	451.8	462.4	472.3
160°	379.6	383.8	388.0	397.1	406.2	413.8	422.9	433.5	443.4	451.8	460.1
162.5°	384.2	387.2	390.3	397.8	405.4	411.5	419.1	427.5	435.0	441.9	448.7
165°	387.2	389.5	391.8	398.6	403.9	408.5	413.8	420.6	426.7	432.0	437.3
167.5°	390.3	391.8	393.3	398.6	403.2	405.4	409.2	413.8	418.3	422.9	426.7
170°	391.8	393.0	394.1	397.8	401.6	403.2	405.4	408.5	412.3	414.5	417.6
172.5°	393.3	394.0	394.8	397.1	399.4	400.1	400.9	403.2	405.4	407.0	409.2
175°	394.1	394.5	394.8	396.3	397.8	397.1	397.8	398.6	400.9	401.6	402.4
177.5°	394.8	394.8	394.8	395.6	397.1	395.6	394.8	395.6	397.1	397.1	397.8
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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°	24.7	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	24.7
92.5°	53.9	50.9	50.1	47.1	47.8	46.3	47.8	47.1	50.1	50.9	53.9
95°	112.4	104.0	94.1	88.1	85.8	86.6	85.8	88.1	94.1	104.0	112.4
97.5°	225.5	202.7	173.1	157.9	149.6	145.0	149.6	157.9	173.1	202.7	225.5
100°	449.1	403.2	340.1	307.5	285.5	271.8	285.5	307.5	340.1	403.2	449.1
102.5°	759.2	709.9	640.0	578.5	549.7	530.0	549.7	578.5	640.0	709.9	759.2
105°	1005.6	993.1	946.0	899.0	866.3	855.7	866.3	899.0	946.0	993.1	1005.6
107.5°	1094.8	1110.0	1109.3	1102.4	1092.6	1075.1	1092.6	1102.4	1109.3	1110.0	1094.8
110°	1080.4	1111.5	1144.2	1158.6	1165.4	1164.7	1165.4	1158.6	1144.2	1111.5	1080.4

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1031.4	1068.3	1116.9	1143.4	1157.9	1163.2	1157.9	1143.4	1116.9	1068.3	1031.4
115°	971.5	1010.6	1064.5	1099.4	1119.1	1126.0	1119.1	1099.4	1064.5	1010.6	971.5
117.5°	914.1	951.3	1006.8	1044.0	1064.5	1069.8	1064.5	1044.0	1006.8	951.3	914.1
120°	862.8	897.4	950.6	986.3	1008.3	1015.9	1008.3	986.3	950.6	897.4	862.8
122.5°	823.0	853.4	899.7	934.6	953.6	959.7	953.6	934.6	899.7	853.4	823.0
125°	787.0	815.4	859.5	888.3	907.3	913.4	907.3	888.3	859.5	815.4	787.0
127.5°	756.2	782.8	821.5	848.8	865.5	870.1	865.5	848.8	821.5	782.8	756.2
130°	725.0	750.1	787.3	813.2	828.3	834.4	828.3	813.2	787.3	750.1	725.0
132.5°	692.8	716.0	752.4	778.2	791.9	797.2	791.9	778.2	752.4	716.0	692.8
135°	661.3	682.6	715.2	740.3	753.9	757.0	753.9	740.3	715.2	682.6	661.3
137.5°	629.4	648.4	679.5	701.5	713.7	718.2	713.7	701.5	679.5	648.4	629.4
140°	601.3	618.0	642.3	662.1	673.5	678.0	673.5	662.1	642.3	618.0	601.3
142.5°	574.4	587.7	610.4	627.9	637.8	637.8	637.8	627.9	610.4	587.7	574.4
145°	552.3	563.4	581.6	594.5	602.1	604.4	602.1	594.5	581.6	563.4	552.3
147.5°	533.0	541.3	557.3	567.9	573.2	574.8	573.2	567.9	557.3	541.3	533.0
150°	516.3	523.1	534.5	543.6	548.2	548.9	548.2	543.6	534.5	523.1	516.3
152.5°	502.2	507.9	516.3	523.9	526.9	526.9	526.9	523.9	516.3	507.9	502.2
155°	488.6	492.8	501.1	506.4	509.5	507.9	509.5	506.4	501.1	492.8	488.6
157.5°	475.7	479.1	485.2	489.7	491.2	491.2	491.2	489.7	485.2	479.1	475.7
160°	462.8	465.4	470.7	474.5	475.3	475.3	475.3	474.5	470.7	465.4	462.8
162.5°	450.6	452.5	457.8	460.1	460.9	460.1	460.9	460.1	457.8	452.5	450.6
165°	438.8	440.4	443.4	446.4	446.4	445.7	446.4	446.4	443.4	440.4	438.8
167.5°	428.2	429.7	431.3	432.8	432.8	432.0	432.8	432.8	431.3	429.7	428.2
170°	418.4	419.1	419.9	422.1	421.4	419.9	421.4	422.1	419.9	419.1	418.4
172.5°	409.6	410.0	410.8	411.5	410.8	410.0	410.8	411.5	410.8	410.0	409.6
175°	402.8	403.2	403.2	403.9	403.2	401.6	403.2	403.9	403.2	403.2	402.8
177.5°	397.8	397.8	397.8	397.8	397.1	395.6	397.1	397.8	397.8	397.8	397.8
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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°	24.3	22.8	24.3	25.1	25.8	25.1	20.5	15.2	11.4	10.2	9.1
92.5°	56.9	65.3	76.7	97.9	116.9	115.4	89.6	60.7	40.2	36.0	31.9
95°	120.7	152.6	198.9	260.4	297.6	263.5	175.4	109.3	74.4	65.3	56.2
97.5°	248.3	325.0	407.0	489.0	485.2	375.1	233.1	141.2	96.4	86.2	75.9
100°	495.0	599.0	693.2	709.1	599.8	413.0	249.0	156.4	116.2	105.6	94.9
102.5°	808.6	877.7	880.7	791.1	603.6	398.6	249.8	170.1	133.6	123.0	112.4
105°	1018.2	1008.3	922.5	764.6	562.6	378.9	253.6	186.0	150.3	139.7	129.1
107.5°	1079.7	1005.2	877.7	708.4	524.6	368.2	261.9	202.0	167.0	156.4	145.8
110°	1049.3	952.1	816.2	656.0	498.8	365.2	272.6	217.9	184.5	173.5	162.5

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	994.6	889.1	760.0	619.5	482.1	366.0	284.0	233.1	201.2	189.8	178.4
115°	932.4	832.9	716.0	590.7	470.7	369.0	295.3	249.0	216.4	206.2	195.9
117.5°	876.9	784.3	679.5	571.0	464.7	373.6	307.5	263.5	233.1	222.4	211.8
120°	828.3	747.9	653.7	555.8	459.3	378.1	319.6	278.6	249.0	238.4	227.8
122.5°	792.7	717.5	633.2	542.9	456.3	383.4	330.3	293.1	265.7	254.7	243.7
125°	758.5	691.7	613.5	530.7	452.5	388.7	341.7	307.5	280.2	269.5	258.9
127.5°	729.6	665.9	593.7	519.3	450.2	394.1	352.3	321.2	294.6	283.6	272.6
130°	700.0	640.0	574.8	507.9	448.7	400.1	362.2	333.3	306.7	296.1	285.5
132.5°	669.7	615.8	556.5	498.8	448.0	406.2	372.0	343.9	318.9	308.2	297.6
135°	640.0	589.9	539.8	490.5	447.2	410.8	380.4	353.8	329.5	318.9	308.3
137.5°	610.4	569.4	526.2	484.4	447.2	415.3	387.2	362.2	337.9	328.0	318.1
140°	584.6	549.7	513.3	479.1	446.4	418.3	392.5	369.0	346.2	336.4	326.5
142.5°	561.1	532.2	502.6	473.8	446.4	420.6	397.1	374.3	352.3	343.2	334.1
145°	541.3	517.8	492.8	469.2	444.9	422.1	400.9	379.6	359.1	350.8	342.4
147.5°	524.6	505.7	485.2	464.7	442.6	422.9	403.2	384.2	364.4	356.8	349.3
150°	509.5	493.5	476.8	458.6	440.4	422.1	404.7	387.2	369.8	363.0	356.1
152.5°	496.5	483.6	468.5	453.3	436.6	420.6	405.4	390.3	375.1	369.0	362.9
155°	484.4	473.0	460.9	446.4	432.0	419.1	406.2	393.3	380.4	374.7	369.0
157.5°	472.3	462.4	451.8	440.4	427.5	416.1	406.2	395.6	384.2	379.2	374.3
160°	460.1	451.8	443.4	433.5	422.9	413.8	406.2	397.1	388.0	383.8	379.6
162.5°	448.7	441.9	435.0	427.5	419.1	411.5	405.4	397.8	390.3	387.2	384.2
165°	437.3	432.0	426.7	420.6	413.8	408.5	403.9	398.6	391.8	389.5	387.2
167.5°	426.7	422.9	418.3	413.8	409.2	405.4	403.2	398.6	393.3	391.8	390.3
170°	417.6	414.5	412.3	408.5	405.4	403.2	401.6	397.8	394.1	393.0	391.8
172.5°	409.2	407.0	405.4	403.2	400.9	400.1	399.4	397.1	394.8	394.0	393.3
175°	402.4	401.6	400.9	398.6	397.8	397.1	397.8	396.3	394.8	394.5	394.1
177.5°	397.8	397.1	397.1	395.6	394.8	395.6	397.1	395.6	394.8	394.8	394.8
180°	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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°	7.6	6.1	3.0	0.8
92.5°	25.8	22.0	15.9	11.4
95°	44.0	37.2	29.6	26.6
97.5°	62.3	52.4	44.0	39.5
100°	79.7	67.6	60.7	58.5
102.5°	96.4	84.3	77.4	75.9
105°	112.4	101.0	95.7	92.6
107.5°	129.1	118.4	113.1	110.9
110°	146.5	136.7	132.1	129.1

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	163.2	154.1	148.8	145.8
115°	180.7	171.6	167.0	163.2
117.5°	197.4	189.1	184.5	181.5
120°	212.6	205.8	201.2	198.2
122.5°	228.5	220.9	216.4	214.1
125°	243.7	234.6	230.1	227.8
127.5°	258.1	248.3	242.2	239.2
130°	270.3	259.7	252.1	249.0
132.5°	281.7	270.3	261.9	258.1
135°	290.8	279.4	270.3	267.3
137.5°	300.7	288.5	279.4	275.6
140°	309.8	297.6	288.5	285.5
142.5°	318.1	306.0	297.6	295.3
145°	327.2	315.8	308.3	305.2
147.5°	336.3	325.7	318.1	315.8
150°	344.7	334.8	328.8	326.5
152.5°	352.3	343.9	337.9	337.1
155°	360.6	352.3	347.7	347.0
157.5°	367.5	359.9	356.1	355.3
160°	373.6	367.5	364.4	363.7
162.5°	378.9	374.3	371.3	372.0
165°	383.4	378.9	377.3	378.1
167.5°	387.2	384.2	382.7	383.4
170°	390.3	388.0	387.2	388.7
172.5°	392.5	390.3	391.0	391.8
175°	394.1	392.5	393.3	394.1
177.5°	394.8	393.3	394.1	395.6
180°	394.8	394.8	394.8	394.8

TEST NUMBER: P998302

CATALOG NUMBER: SA2XXDIP-B290D725UB40-4F0-XX-W2A-A4

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	11.47	12.16	12.57	13.26	14.78	8.96	9.66	10.07	10.76	12.27
	3H	12.27	12.89	13.38	14.00	15.53	10.29	10.92	11.41	12.02	13.55
	4H	12.43	13.02	13.55	14.13	15.66	10.75	11.34	11.87	12.45	13.98
	6H	12.46	13.01	13.60	14.12	15.67	11.05	11.59	12.18	12.70	14.25
	8H	12.44	12.96	13.57	14.08	15.62	11.12	11.64	12.26	12.77	14.31
	12H	12.40	12.89	13.54	14.01	15.57	11.16	11.65	12.30	12.77	14.34
4H	2H	11.49	12.08	12.62	13.19	14.73	9.39	9.98	10.52	11.09	12.62
	3H	12.45	12.95	13.59	14.08	15.63	10.83	11.32	11.97	12.46	14.01
	4H	12.72	13.18	13.86	14.30	15.87	11.36	11.81	12.50	12.94	14.51
	6H	12.84	13.23	13.99	14.38	15.94	11.73	12.12	12.88	13.26	14.83
	8H	12.84	13.20	13.99	14.34	15.92	11.84	12.20	12.98	13.34	14.91
	12H	12.80	13.12	13.96	14.27	15.86	11.89	12.21	13.05	13.36	14.95
8H	4H	12.72	13.08	13.87	14.22	15.80	11.49	11.85	12.64	12.99	14.57
	6H	12.89	13.19	14.06	14.37	15.95	11.92	12.22	13.08	13.40	14.97
	8H	12.92	13.18	14.09	14.34	15.94	12.07	12.33	13.24	13.49	15.08
	12H	12.90	13.13	14.08	14.28	15.91	12.15	12.38	13.33	13.54	15.17
12H	4H	12.67	13.00	13.83	14.15	15.73	11.46	11.78	12.62	12.93	14.52
	6H	12.87	13.13	14.04	14.29	15.89	11.92	12.18	13.09	13.34	14.93
	8H	12.90	13.12	14.07	14.28	15.91	12.07	12.30	13.24	13.45	15.08