

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: P998260

Luminaire Tested: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998260
REPORT IS A COMBINATION OF REPORTS P984000 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

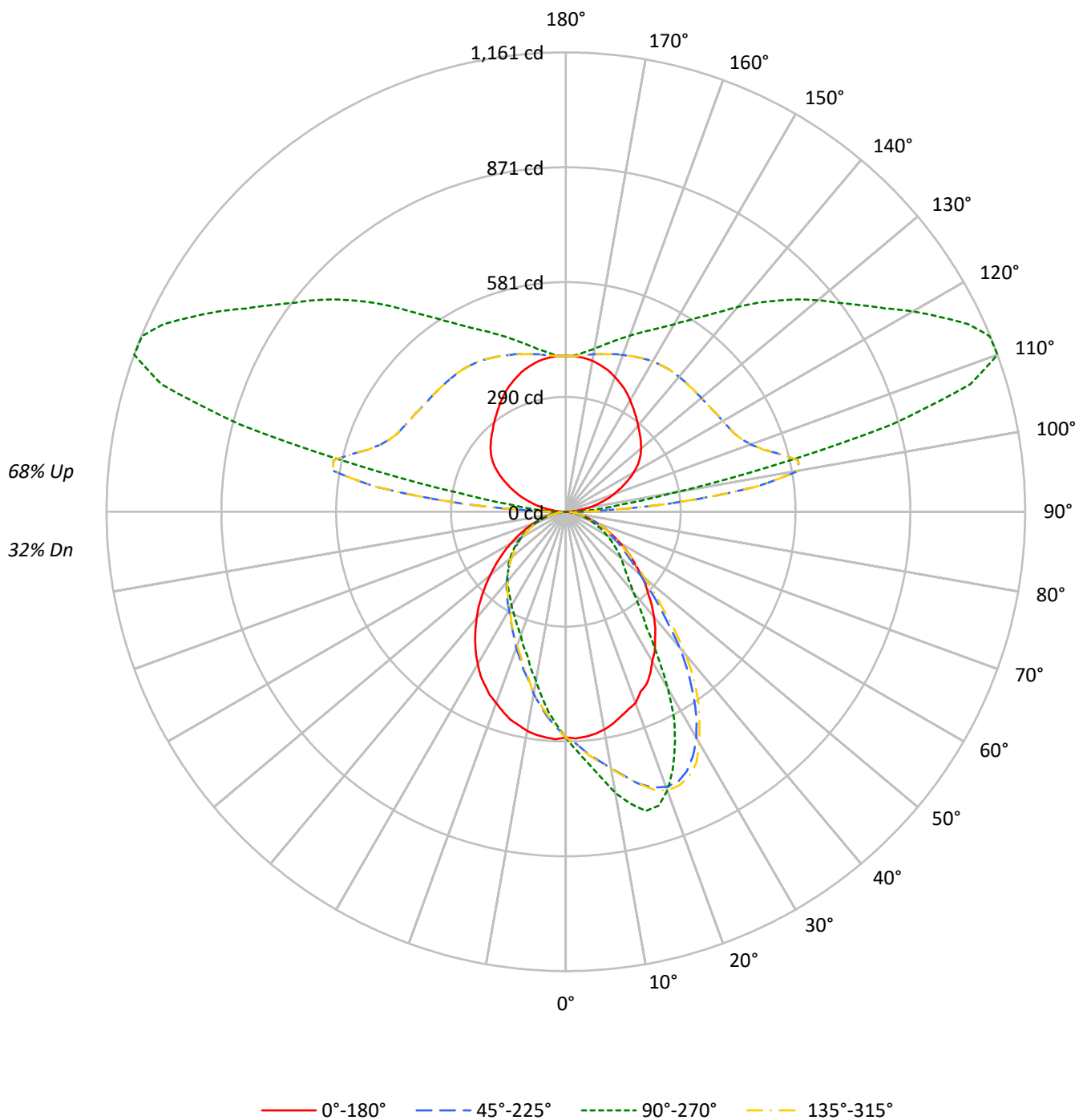
Lumens per Lamp: N/A
Luminaire Lumens: 4001.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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°	9026	9026	9026	9026
5°	9047	9623	9082	7656
10°	8942	10506	8998	6312
15°	8725	11080	8846	5317
20°	8589	10405	8589	4622
25°	8316	8938	8353	4132
30°	7865	7027	8014	3744
35°	7466	4859	7591	3424
40°	7007	3669	7088	3171
45°	6443	3015	6548	2896
50°	5952	2646	5964	2652
55°	5396	2254	5430	2386
60°	4801	1883	4867	2082
65°	4269	1532	4348	1779
70°	3737	1201	3833	1435
75°	3138	873	3261	1039
80°	2451	553	2627	618
85°	1610	277	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.4
10°-20°	158.1	4.0
20°-30°	229.4	5.7
30°-40°	241.8	6.0
40°-50°	214.0	5.3
50°-60°	170.9	4.3
60°-70°	116.1	2.9
70°-80°	59.4	1.5
80°-90°	16.6	0.4
90°-100°	153.4	3.8
100°-110°	540.2	13.5
110°-120°	567.4	14.2
120°-130°	466.8	11.7
130°-140°	375.0	9.4
140°-150°	283.2	7.1
150°-160°	199.1	5.0
160°-170°	117.2	2.9
170°-180°	38.1	1.0
0°-30°	441.8	11.0
0°-40°	683.6	17.1
0°-60°	1068.5	26.7
0°-90°	1260.5	31.5
90°-120°	1261.0	31.5
90°-150°	2386.0	59.6
90°-180°	2740.0	68.5
0°-180°	4001.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	570	570	570	570	570	
5°	571	637	573	507	571	54
15°	536	783	543	376	536	151
25°	482	652	484	302	482	220
35°	393	355	400	250	393	246
45°	295	214	300	206	295	229
55°	202	150	204	159	202	181
65°	120	92	122	107	120	119
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	25	1	25	1	2
95°	26	86	26	86	26	27
105°	92	853	92	853	92	98
115°	163	1122	163	1122	163	161
125°	227	910	227	910	227	202
135°	266	754	266	754	266	206
145°	304	602	304	602	304	191
155°	346	506	346	506	346	159
165°	377	444	377	444	377	106
175°	393	400	393	400	393	37
180°	394	394	394	394	394	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	573.3	574.6	576.8	577.2	581.6	585.1	589.0	589.0	590.3	589.9	586.4
5°	570.6	574.6	580.3	585.1	593.0	596.5	601.7	605.7	609.2	611.8	611.4
7.5°	566.2	573.3	581.6	590.8	601.3	607.4	614.9	621.9	626.7	631.1	634.2
10°	558.8	570.6	582.0	594.3	607.9	616.2	625.0	634.2	641.6	649.9	657.8
12.5°	548.7	565.8	579.8	596.0	612.7	621.9	635.9	642.9	657.4	678.4	684.1
15°	536.0	559.2	572.4	593.0	614.9	622.3	641.6	653.0	682.8	696.0	711.7
17.5°	524.2	550.0	567.6	591.2	612.7	627.2	646.0	669.2	694.2	713.1	730.6
20°	514.5	539.5	560.5	586.8	614.0	632.4	652.1	680.2	707.4	726.6	740.2
22.5°	492.6	524.6	549.1	578.5	611.4	636.8	655.6	686.3	715.7	727.5	739.4
25°	481.7	509.3	537.8	571.1	609.6	639.9	656.1	690.3	716.1	720.5	723.1
27.5°	461.5	492.6	525.9	564.0	609.2	634.6	655.2	686.3	706.9	703.9	696.0
30°	436.5	474.6	511.5	552.7	603.1	630.7	649.9	678.4	689.0	673.2	659.2
32.5°	418.1	454.0	494.8	542.6	596.0	622.3	641.2	663.5	665.7	637.2	613.6
35°	393.1	433.0	479.0	529.4	584.2	607.9	625.4	639.0	628.5	588.6	560.5
37.5°	370.8	410.2	459.3	510.6	568.0	591.2	605.2	607.4	581.6	546.5	505.3
40°	346.2	387.0	438.3	492.2	550.0	570.2	578.9	572.4	535.1	494.4	446.6
42.5°	321.7	362.0	417.2	472.5	527.2	544.3	547.8	529.9	484.3	436.5	381.3
45°	295.0	337.0	392.2	447.9	500.9	510.6	511.0	485.2	431.3	381.3	330.0
47.5°	273.0	312.0	366.8	422.5	467.2	473.8	471.1	441.3	382.6	326.5	281.8
50°	248.9	286.2	340.5	395.3	433.4	435.2	428.6	386.1	328.7	277.4	241.9
52.5°	223.1	260.8	310.7	363.3	397.5	394.9	382.2	336.6	282.7	240.2	213.0
55°	202.5	235.8	282.7	334.0	358.1	350.6	336.6	290.1	247.6	211.7	188.0
57.5°	179.7	209.1	255.1	299.8	313.8	306.8	292.8	249.4	209.9	182.8	167.0
60°	158.2	184.9	225.3	262.5	273.5	266.0	249.8	210.8	182.3	159.5	147.7
62.5°	138.5	161.7	195.5	229.7	234.0	226.6	212.6	181.0	156.5	138.5	129.7
65°	120.1	142.0	169.2	195.0	199.0	191.1	176.6	153.8	133.2	121.8	113.5
67.5°	102.1	119.6	143.8	162.6	164.8	157.3	145.5	127.1	114.4	102.1	96.0
70°	86.3	99.5	118.3	133.7	134.5	127.5	121.4	104.7	95.1	86.3	81.5
72.5°	71.0	80.2	94.7	106.1	106.5	102.1	96.4	85.9	77.6	71.4	66.6
75°	56.1	64.0	72.8	82.8	82.4	78.9	74.5	67.9	60.9	57.0	54.8
77.5°	43.0	47.8	54.8	61.4	61.4	59.6	57.0	52.2	47.8	43.8	41.6
80°	30.7	33.7	39.4	41.6	42.5	42.1	39.9	36.4	34.6	31.6	30.7
82.5°	19.7	21.9	24.5	26.7	28.0	27.2	26.7	25.0	22.4	21.5	20.6
85°	11.4	12.3	13.6	14.9	15.3	14.9	15.8	14.5	13.1	13.1	12.7
87.5°	4.8	5.3	6.1	6.1	6.6	6.6	6.1	6.6	6.6	6.1	5.7
90°	0.8	3.0	6.1	7.6	9.1	10.2	11.4	15.1	20.4	25.0	25.7
92.5°	11.4	15.9	21.9	25.7	31.8	36.0	40.1	60.5	89.3	115.0	116.5
95°	26.5	29.5	37.1	43.9	56.0	65.1	74.2	109.0	174.8	262.6	296.7
97.5°	39.4	43.9	52.2	62.1	75.7	85.9	96.1	140.8	232.3	373.8	483.6
100°	58.3	60.5	67.4	79.5	94.6	105.2	115.8	155.9	248.2	411.7	597.8
102.5°	75.7	77.2	84.0	96.1	112.0	122.6	133.2	169.5	249.0	397.3	601.6
105°	92.3	95.4	100.6	112.0	128.7	139.2	149.8	185.4	252.8	377.6	560.8
107.5°	110.5	112.8	118.1	128.7	145.3	155.9	166.5	201.3	261.1	367.0	522.9
110°	128.7	131.7	136.2	146.1	161.9	172.9	183.9	217.2	271.7	364.0	497.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	145.3	148.3	153.6	162.7	177.8	189.2	200.5	232.3	283.0	364.8	480.5
115°	162.7	166.5	171.0	180.1	195.2	205.4	215.7	248.2	294.4	367.8	469.2
117.5°	180.9	183.9	188.4	196.8	211.1	221.7	232.3	262.6	306.5	372.3	463.1
120°	197.5	200.5	205.1	211.9	227.0	237.6	248.2	277.7	318.6	376.9	457.8
122.5°	213.4	215.7	220.2	227.8	242.9	253.9	264.9	292.1	329.2	382.2	454.8
125°	227.0	229.3	233.8	242.9	258.1	268.6	279.2	306.5	340.5	387.5	451.0
127.5°	238.4	241.4	247.5	257.3	271.7	282.6	293.6	320.1	351.1	392.8	448.8
130°	248.2	251.2	258.8	269.4	284.5	295.1	305.7	332.2	361.0	398.8	447.2
132.5°	257.3	261.1	269.4	280.8	296.7	307.2	317.8	342.8	370.8	404.9	446.5
135°	266.4	269.4	278.5	289.8	307.2	317.8	328.4	352.7	379.1	409.4	445.7
137.5°	274.7	278.5	287.6	299.7	317.1	327.0	336.8	361.0	386.0	414.0	445.7
140°	284.5	287.6	296.7	308.8	325.4	335.2	345.1	367.8	391.2	417.0	445.0
142.5°	294.4	296.7	305.0	317.1	333.0	342.0	351.1	373.1	395.8	419.2	445.0
145°	304.2	307.2	314.8	326.2	341.3	349.6	358.0	378.4	399.6	420.8	443.5
147.5°	314.8	317.1	324.7	335.2	348.1	355.6	363.2	382.9	401.8	421.5	441.2
150°	325.4	327.7	333.7	343.6	354.9	361.7	368.5	386.0	403.4	420.8	438.9
152.5°	336.0	336.8	342.8	351.1	361.7	367.8	373.8	389.0	404.1	419.2	435.1
155°	345.8	346.6	351.1	359.5	367.8	373.5	379.1	392.0	404.9	417.7	430.6
157.5°	354.2	354.9	358.7	366.3	373.1	378.0	382.9	394.3	404.9	414.7	426.1
160°	362.5	363.2	366.3	372.3	378.4	382.5	386.7	395.8	404.9	412.4	421.5
162.5°	370.8	370.1	373.1	377.6	382.9	386.0	389.0	396.5	404.1	410.2	417.7
165°	376.9	376.1	377.6	382.2	386.0	388.2	390.5	397.3	402.6	407.1	412.4
167.5°	382.2	381.4	382.9	386.0	389.0	390.5	392.0	397.3	401.8	404.1	407.9
170°	387.5	386.0	386.7	389.0	390.5	391.6	392.8	396.5	400.3	401.8	404.1
172.5°	390.5	389.7	389.0	391.2	392.0	392.8	393.5	395.8	398.1	398.8	399.6
175°	392.8	392.0	391.2	392.8	392.8	393.2	393.5	395.0	396.5	395.8	396.5
177.5°	394.3	392.8	392.0	393.5	393.5	393.5	393.5	394.3	395.8	394.3	393.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	592.5	593.0	593.9	598.2	600.4	600.9	599.1	603.1	604.4	603.1	602.2
5°	620.6	623.2	628.5	634.2	633.7	634.2	636.8	639.4	640.3	636.8	638.1
7.5°	645.1	650.4	656.1	664.8	664.8	669.2	671.0	673.2	678.4	675.8	674.9
10°	673.2	680.2	690.7	704.7	705.2	709.6	713.9	720.9	723.1	721.4	722.3
12.5°	708.2	721.8	722.7	738.0	745.1	745.9	752.9	751.6	756.0	756.0	763.5
15°	723.6	744.6	756.4	771.3	775.7	770.5	776.2	782.3	782.7	782.7	782.3
17.5°	751.2	759.5	771.3	779.2	781.0	781.0	781.4	784.1	782.3	778.8	781.4
20°	756.9	760.4	764.8	763.9	764.8	760.4	756.0	751.6	752.1	749.9	756.4
22.5°	746.4	745.5	735.4	728.8	728.8	720.1	711.7	707.8	703.9	705.2	707.4
25°	720.1	706.5	694.2	684.6	682.4	668.4	657.0	653.5	646.9	652.1	653.0
27.5°	678.0	662.7	642.9	634.6	623.2	617.5	609.6	599.1	585.5	593.4	592.1
30°	632.9	610.1	593.9	573.7	555.7	554.4	539.5	522.0	515.0	515.0	518.9
32.5°	582.5	552.2	528.5	500.1	482.5	475.1	457.1	439.6	443.5	430.4	435.2
35°	523.7	483.8	454.0	426.4	413.3	404.5	381.3	371.6	361.1	355.0	366.4
37.5°	467.6	421.6	383.5	353.2	348.4	332.6	316.9	310.7	304.6	307.2	306.8
40°	399.3	358.5	324.3	300.7	292.3	284.9	274.4	266.9	263.0	265.2	265.6
42.5°	337.5	303.3	277.9	261.2	254.2	248.9	243.7	237.5	236.2	236.2	238.0
45°	289.7	261.6	244.6	231.0	227.0	223.1	219.1	216.5	215.6	213.9	215.2
47.5°	251.6	229.2	218.7	208.6	204.2	203.4	199.8	198.5	196.8	196.3	196.8
50°	219.6	205.5	195.9	190.2	187.1	185.8	184.1	181.4	180.6	182.8	181.9
52.5°	197.2	184.1	178.8	173.1	171.4	169.6	167.0	167.4	167.0	166.1	166.1
55°	174.9	166.5	161.3	156.9	156.5	154.7	152.5	151.6	151.2	150.3	151.6
57.5°	156.9	150.3	145.5	141.6	139.8	139.8	137.6	135.9	135.9	135.4	135.9
60°	138.9	132.4	129.3	125.3	124.0	123.6	122.3	121.4	120.1	120.1	120.1
62.5°	122.3	117.0	113.5	110.0	110.4	108.3	106.5	105.6	105.6	106.1	106.1
65°	106.5	103.0	98.6	95.5	94.7	94.2	93.4	92.9	91.6	92.5	92.5
67.5°	92.0	87.2	84.6	83.3	82.0	81.5	80.6	79.8	79.3	78.9	79.8
70°	77.6	73.6	71.4	70.6	69.2	68.8	68.4	67.1	67.5	67.9	68.4
72.5°	64.4	60.9	60.5	57.9	57.9	57.9	56.1	57.0	56.5	55.7	56.5
75°	50.8	49.1	48.2	46.9	47.3	46.9	46.5	45.1	45.1	45.6	46.0
77.5°	40.3	38.6	38.1	36.8	35.9	36.8	35.9	35.5	35.5	35.9	35.9
80°	29.8	28.9	27.6	27.6	27.6	27.2	27.2	27.2	26.7	26.3	26.7
82.5°	19.7	19.7	19.3	18.8	19.3	18.4	18.8	18.8	18.8	18.8	18.8
85°	12.7	12.3	12.3	11.8	11.8	11.8	12.3	11.4	11.4	11.8	11.8
87.5°	5.7	5.7	5.7	6.1	5.7	5.7	5.7	6.1	5.7	5.7	5.7
90°	25.0	24.2	22.7	24.2	24.6	25.0	25.0	25.0	25.0	25.0	25.0
92.5°	97.6	76.4	65.1	56.8	53.8	50.7	49.9	46.9	47.7	46.2	47.7
95°	259.6	198.3	152.1	120.3	112.0	103.7	93.8	87.8	85.5	86.3	85.5
97.5°	487.4	405.6	323.9	247.5	224.8	202.1	172.5	157.4	149.1	144.5	149.1
100°	706.8	690.9	597.1	493.4	447.6	401.8	339.0	306.5	284.5	270.9	284.5
102.5°	788.5	877.8	874.8	806.0	756.8	707.6	638.0	576.7	547.9	528.2	547.9
105°	762.1	919.5	1005.0	1014.8	1002.3	989.8	942.9	896.0	863.5	852.9	863.5
107.5°	706.1	874.8	1002.0	1076.1	1091.2	1106.4	1105.6	1098.8	1089.0	1071.6	1089.0
110°	653.8	813.5	949.0	1045.9	1076.9	1107.9	1140.4	1154.8	1161.6	1160.9	1161.6

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	617.5	757.5	886.2	991.4	1028.1	1064.8	1113.2	1139.7	1154.1	1159.4	1154.1
115°	588.8	713.6	830.2	929.3	968.3	1007.3	1061.0	1095.8	1115.5	1122.3	1115.5
117.5°	569.1	677.3	781.7	874.1	911.2	948.2	1003.5	1040.6	1061.0	1066.3	1061.0
120°	554.0	651.6	745.4	825.6	860.0	894.5	947.5	983.0	1005.0	1012.6	1005.0
122.5°	541.1	631.1	715.1	790.1	820.4	850.6	896.8	931.6	950.5	956.6	950.5
125°	529.0	611.5	689.4	756.0	784.4	812.8	856.7	885.4	904.3	910.4	904.3
127.5°	517.6	591.8	663.7	727.3	753.8	780.2	818.8	846.1	862.7	867.3	862.7
130°	506.3	572.9	638.0	697.7	722.7	747.7	784.8	810.5	825.6	831.7	825.6
132.5°	497.2	554.7	613.7	667.5	690.6	713.6	750.0	775.7	789.3	794.6	789.3
135°	488.9	538.1	588.0	638.0	659.2	680.3	712.9	737.8	751.5	754.5	751.5
137.5°	482.8	524.4	567.6	608.4	627.3	646.3	677.3	699.3	711.4	715.9	711.4
140°	477.5	511.6	547.9	582.7	599.4	616.0	640.2	659.9	671.3	675.8	671.3
142.5°	472.2	501.0	530.5	559.2	572.4	585.7	608.4	625.8	635.7	635.7	635.7
145°	467.7	491.1	516.1	539.6	550.6	561.5	579.7	592.5	600.1	602.4	600.1
147.5°	463.1	483.6	504.0	522.9	531.2	539.6	555.5	566.1	571.4	572.9	571.4
150°	457.1	475.2	491.9	507.8	514.6	521.4	532.8	541.8	546.4	547.1	546.4
152.5°	451.8	466.9	482.1	494.9	500.6	506.3	514.6	522.2	525.2	525.2	525.2
155°	445.0	459.4	471.5	482.8	487.0	491.1	499.5	504.8	507.8	506.3	507.8
157.5°	438.9	450.3	460.9	470.7	474.1	477.5	483.6	488.1	489.6	489.6	489.6
160°	432.1	442.0	450.3	458.6	461.2	463.9	469.2	473.0	473.7	473.7	473.7
162.5°	426.1	433.6	440.4	447.2	449.1	451.0	456.3	458.6	459.4	458.6	459.4
165°	419.2	425.3	430.6	435.9	437.4	438.9	442.0	445.0	445.0	444.2	445.0
167.5°	412.4	417.0	421.5	425.3	426.8	428.3	429.8	431.4	431.4	430.6	431.4
170°	407.1	410.9	413.2	416.2	417.0	417.7	418.5	420.8	420.0	418.5	420.0
172.5°	401.8	404.1	405.6	407.9	408.3	408.7	409.4	410.2	409.4	408.7	409.4
175°	397.3	399.6	400.3	401.1	401.5	401.8	401.8	402.6	401.8	400.3	401.8
177.5°	394.3	395.8	395.8	396.5	396.5	396.5	396.5	396.5	395.8	394.3	395.8
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	604.4	601.3	598.7	599.1	601.3	599.5	595.2	589.5	587.3	584.6	587.3
5°	640.7	638.1	632.9	633.3	632.0	630.2	623.2	614.4	614.4	607.4	606.6
7.5°	676.7	672.7	669.2	668.4	663.5	660.0	653.9	641.6	636.8	628.5	623.7
10°	717.0	713.9	710.0	705.2	702.5	696.4	686.3	668.4	659.6	648.2	639.9
12.5°	757.8	757.3	748.6	738.9	738.5	728.8	721.8	697.7	685.9	670.5	650.8
15°	783.6	781.4	776.6	771.8	773.1	762.6	746.8	718.3	710.4	692.0	671.0
17.5°	783.2	783.2	781.9	781.0	779.7	776.6	767.8	749.0	736.3	713.1	693.3
20°	758.2	763.9	765.2	764.8	769.2	771.3	770.9	759.1	749.0	728.4	708.2
22.5°	708.2	721.4	727.1	730.6	739.8	744.6	756.0	751.6	749.0	733.7	716.6
25°	661.8	666.2	683.3	684.1	696.8	708.7	720.1	727.5	737.2	731.5	717.0
27.5°	601.7	611.8	624.1	633.3	635.9	660.0	678.9	692.9	714.8	716.6	711.7
30°	533.8	538.6	558.8	571.1	585.1	602.6	629.8	653.9	673.6	691.6	697.7
32.5°	451.0	470.7	482.5	497.4	509.7	540.8	574.1	605.2	628.0	658.3	671.4
35°	375.2	390.5	410.7	416.8	439.1	465.4	508.8	548.7	583.3	614.0	640.7
37.5°	312.5	324.8	346.2	355.9	369.0	402.8	439.1	488.7	530.3	568.0	601.3
40°	269.5	278.7	295.0	298.0	309.0	339.7	369.0	415.5	470.7	521.5	557.9
42.5°	240.2	244.6	255.5	259.5	266.5	287.1	313.4	357.2	408.5	461.1	512.3
45°	219.1	222.2	228.8	232.3	241.0	250.2	271.7	306.8	347.1	400.1	455.4
47.5°	200.3	204.2	206.9	209.1	213.9	224.0	238.0	263.8	302.4	351.1	404.5
50°	184.5	185.8	190.6	191.1	194.2	200.7	213.9	229.7	260.3	299.8	351.5
52.5°	168.7	170.0	173.1	176.2	177.5	182.8	191.5	204.7	227.5	258.6	304.6
55°	153.0	154.7	157.8	160.0	161.3	165.7	170.9	183.6	201.6	223.5	261.2
57.5°	137.2	141.1	142.0	143.3	145.5	150.3	155.1	162.6	176.6	196.8	224.4
60°	122.3	123.6	126.7	128.0	130.2	132.8	138.9	144.6	154.7	170.5	195.5
62.5°	106.9	110.0	111.3	112.6	114.4	117.5	121.4	127.5	136.3	149.0	168.7
65°	93.8	94.2	96.9	98.6	100.4	102.6	106.5	112.2	117.5	129.3	143.8
67.5°	81.1	82.0	82.8	84.6	86.8	89.0	92.5	95.5	102.1	110.0	121.4
70°	68.8	68.8	71.0	72.3	71.9	74.5	77.1	80.6	85.5	92.9	102.1
72.5°	57.9	57.4	59.2	59.6	60.5	62.2	64.0	67.5	70.1	75.8	82.8
75°	46.0	46.9	47.8	47.8	49.1	50.4	52.2	53.9	57.0	60.5	65.7
77.5°	36.4	36.4	37.3	37.7	39.0	38.6	40.3	42.1	44.3	47.3	51.3
80°	26.7	27.6	27.6	27.6	28.0	28.5	30.2	31.6	32.9	35.1	36.8
82.5°	18.8	18.8	19.7	19.7	19.7	20.6	20.6	21.0	21.9	23.2	24.5
85°	11.8	11.8	11.8	12.3	11.8	12.3	13.1	12.7	13.1	14.0	14.0
87.5°	5.7	5.7	5.7	5.7	5.7	6.1	5.7	6.1	6.6	6.6	6.6
90°	25.0	25.0	25.0	24.6	24.2	22.7	24.2	25.0	25.7	25.0	20.4
92.5°	46.9	49.9	50.7	53.8	56.8	65.1	76.4	97.6	116.5	115.0	89.3
95°	87.8	93.8	103.7	112.0	120.3	152.1	198.3	259.6	296.7	262.6	174.8
97.5°	157.4	172.5	202.1	224.8	247.5	323.9	405.6	487.4	483.6	373.8	232.3
100°	306.5	339.0	401.8	447.6	493.4	597.1	690.9	706.8	597.8	411.7	248.2
102.5°	576.7	638.0	707.6	756.8	806.0	874.8	877.8	788.5	601.6	397.3	249.0
105°	896.0	942.9	989.8	1002.3	1014.8	1005.0	919.5	762.1	560.8	377.6	252.8
107.5°	1098.8	1105.6	1106.4	1091.2	1076.1	1002.0	874.8	706.1	522.9	367.0	261.1
110°	1154.8	1140.4	1107.9	1076.9	1045.9	949.0	813.5	653.8	497.2	364.0	271.7

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1139.7	1113.2	1064.8	1028.1	991.4	886.2	757.5	617.5	480.5	364.8	283.0
115°	1095.8	1061.0	1007.3	968.3	929.3	830.2	713.6	588.8	469.2	367.8	294.4
117.5°	1040.6	1003.5	948.2	911.2	874.1	781.7	677.3	569.1	463.1	372.3	306.5
120°	983.0	947.5	894.5	860.0	825.6	745.4	651.6	554.0	457.8	376.9	318.6
122.5°	931.6	896.8	850.6	820.4	790.1	715.1	631.1	541.1	454.8	382.2	329.2
125°	885.4	856.7	812.8	784.4	756.0	689.4	611.5	529.0	451.0	387.5	340.5
127.5°	846.1	818.8	780.2	753.8	727.3	663.7	591.8	517.6	448.8	392.8	351.1
130°	810.5	784.8	747.7	722.7	697.7	638.0	572.9	506.3	447.2	398.8	361.0
132.5°	775.7	750.0	713.6	690.6	667.5	613.7	554.7	497.2	446.5	404.9	370.8
135°	737.8	712.9	680.3	659.2	638.0	588.0	538.1	488.9	445.7	409.4	379.1
137.5°	699.3	677.3	646.3	627.3	608.4	567.6	524.4	482.8	445.7	414.0	386.0
140°	659.9	640.2	616.0	599.4	582.7	547.9	511.6	477.5	445.0	417.0	391.2
142.5°	625.8	608.4	585.7	572.4	559.2	530.5	501.0	472.2	445.0	419.2	395.8
145°	592.5	579.7	561.5	550.6	539.6	516.1	491.1	467.7	443.5	420.8	399.6
147.5°	566.1	555.5	539.6	531.2	522.9	504.0	483.6	463.1	441.2	421.5	401.8
150°	541.8	532.8	521.4	514.6	507.8	491.9	475.2	457.1	438.9	420.8	403.4
152.5°	522.2	514.6	506.3	500.6	494.9	482.1	466.9	451.8	435.1	419.2	404.1
155°	504.8	499.5	491.1	487.0	482.8	471.5	459.4	445.0	430.6	417.7	404.9
157.5°	488.1	483.6	477.5	474.1	470.7	460.9	450.3	438.9	426.1	414.7	404.9
160°	473.0	469.2	463.9	461.2	458.6	450.3	442.0	432.1	421.5	412.4	404.9
162.5°	458.6	456.3	451.0	449.1	447.2	440.4	433.6	426.1	417.7	410.2	404.1
165°	445.0	442.0	438.9	437.4	435.9	430.6	425.3	419.2	412.4	407.1	402.6
167.5°	431.4	429.8	428.3	426.8	425.3	421.5	417.0	412.4	407.9	404.1	401.8
170°	420.8	418.5	417.7	417.0	416.2	413.2	410.9	407.1	404.1	401.8	400.3
172.5°	410.2	409.4	408.7	408.3	407.9	405.6	404.1	401.8	399.6	398.8	398.1
175°	402.6	401.8	401.8	401.5	401.1	400.3	399.6	397.3	396.5	395.8	396.5
177.5°	396.5	396.5	396.5	396.5	396.5	395.8	395.8	394.3	393.5	394.3	395.8
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	585.1	582.9	581.6	582.5	579.8	573.3	573.3	575.4	572.8	570.2	566.2
5°	601.3	596.9	594.3	593.9	587.7	577.2	575.0	572.8	567.1	561.0	554.4
7.5°	617.1	609.2	604.8	601.7	593.0	579.4	573.7	568.9	559.7	550.5	542.1
10°	630.2	618.8	613.6	608.8	597.4	580.3	571.1	562.3	550.5	538.6	528.1
12.5°	640.7	627.6	621.0	614.0	600.0	577.6	566.2	552.2	540.4	524.6	514.1
15°	658.3	631.1	625.0	618.4	603.9	573.3	559.2	543.4	527.2	506.2	494.8
17.5°	672.3	635.9	635.5	621.5	602.6	571.5	550.0	529.4	511.9	490.9	472.9
20°	680.6	643.4	636.4	621.9	598.2	559.7	537.3	514.5	495.7	470.3	452.3
22.5°	687.6	653.9	635.5	618.0	589.0	555.7	522.9	501.4	475.5	447.9	430.8
25°	690.3	656.1	636.8	616.6	582.5	544.3	507.1	483.8	454.9	429.9	406.7
27.5°	690.7	655.6	632.0	610.9	573.3	529.4	491.3	466.8	434.8	405.8	382.6
30°	686.3	650.8	629.4	606.6	564.5	515.8	472.0	444.8	410.7	381.7	357.6
32.5°	673.2	641.2	623.7	598.7	553.1	497.0	453.6	423.4	387.4	358.9	335.7
35°	651.3	629.4	610.1	586.8	538.2	479.5	435.2	399.7	363.3	336.2	314.2
37.5°	624.1	612.3	594.3	571.5	521.1	463.7	414.6	375.2	338.8	312.5	291.0
40°	587.3	590.3	572.8	552.2	500.9	442.2	387.9	350.2	316.0	291.4	270.4
42.5°	547.4	560.1	550.0	530.3	478.6	418.5	368.1	326.5	293.2	267.8	250.2
45°	504.4	526.4	520.2	505.8	455.4	393.6	340.1	299.8	270.4	245.9	230.5
47.5°	457.5	488.7	488.7	478.1	429.5	368.6	316.0	274.8	245.9	228.3	213.4
50°	409.8	444.8	450.5	443.5	400.6	340.1	286.6	249.4	224.4	207.3	196.3
52.5°	359.8	400.6	411.1	407.6	369.9	312.9	262.5	226.1	203.4	188.5	178.8
55°	312.0	359.4	370.8	372.1	337.0	283.1	235.8	203.8	181.9	171.8	163.5
57.5°	266.9	312.5	325.2	327.4	303.7	255.9	210.8	182.8	163.0	154.7	148.1
60°	228.3	266.5	283.1	287.9	267.3	224.4	187.6	160.4	145.5	137.6	131.5
62.5°	196.8	227.5	245.0	246.3	237.1	196.8	163.5	140.7	128.0	121.0	117.9
65°	166.1	193.7	204.2	209.5	202.0	170.5	141.1	122.3	112.2	106.1	103.0
67.5°	141.6	159.1	167.9	174.9	167.4	143.8	120.1	104.7	97.3	91.2	89.4
70°	116.1	130.6	137.2	144.2	137.6	119.6	102.6	88.5	82.0	77.1	74.9
72.5°	92.9	104.3	110.4	114.8	110.9	96.0	82.0	72.3	67.5	64.0	62.7
75°	73.6	81.5	85.0	88.1	86.3	74.9	66.2	58.3	53.9	50.8	50.0
77.5°	56.1	61.8	65.7	66.6	64.4	57.0	49.5	44.7	41.2	39.4	38.6
80°	39.9	43.4	45.6	46.9	44.7	41.6	36.4	32.9	29.8	27.6	27.2
82.5°	26.7	28.5	30.2	29.8	28.9	26.3	23.2	21.5	20.2	18.4	18.4
85°	15.3	15.8	16.7	17.1	16.7	14.9	13.1	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	3.9
90°	15.1	11.4	10.2	9.1	7.6	6.1	3.0	0.8	3.0	6.1	7.6
92.5°	60.5	40.1	36.0	31.8	25.7	21.9	15.9	11.4	15.9	21.9	25.7
95°	109.0	74.2	65.1	56.0	43.9	37.1	29.5	26.5	29.5	37.1	43.9
97.5°	140.8	96.1	85.9	75.7	62.1	52.2	43.9	39.4	43.9	52.2	62.1
100°	155.9	115.8	105.2	94.6	79.5	67.4	60.5	58.3	60.5	67.4	79.5
102.5°	169.5	133.2	122.6	112.0	96.1	84.0	77.2	75.7	77.2	84.0	96.1
105°	185.4	149.8	139.2	128.7	112.0	100.6	95.4	92.3	95.4	100.6	112.0
107.5°	201.3	166.5	155.9	145.3	128.7	118.1	112.8	110.5	112.8	118.1	128.7
110°	217.2	183.9	172.9	161.9	146.1	136.2	131.7	128.7	131.7	136.2	146.1

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	232.3	200.5	189.2	177.8	162.7	153.6	148.3	145.3	148.3	153.6	162.7
115°	248.2	215.7	205.4	195.2	180.1	171.0	166.5	162.7	166.5	171.0	180.1
117.5°	262.6	232.3	221.7	211.1	196.8	188.4	183.9	180.9	183.9	188.4	196.8
120°	277.7	248.2	237.6	227.0	211.9	205.1	200.5	197.5	200.5	205.1	211.9
122.5°	292.1	264.9	253.9	242.9	227.8	220.2	215.7	213.4	215.7	220.2	227.8
125°	306.5	279.2	268.6	258.1	242.9	233.8	229.3	227.0	229.3	233.8	242.9
127.5°	320.1	293.6	282.6	271.7	257.3	247.5	241.4	238.4	241.4	247.5	257.3
130°	332.2	305.7	295.1	284.5	269.4	258.8	251.2	248.2	251.2	258.8	269.4
132.5°	342.8	317.8	307.2	296.7	280.8	269.4	261.1	257.3	261.1	269.4	280.8
135°	352.7	328.4	317.8	307.2	289.8	278.5	269.4	266.4	269.4	278.5	289.8
137.5°	361.0	336.8	327.0	317.1	299.7	287.6	278.5	274.7	278.5	287.6	299.7
140°	367.8	345.1	335.2	325.4	308.8	296.7	287.6	284.5	287.6	296.7	308.8
142.5°	373.1	351.1	342.0	333.0	317.1	305.0	296.7	294.4	296.7	305.0	317.1
145°	378.4	358.0	349.6	341.3	326.2	314.8	307.2	304.2	307.2	314.8	326.2
147.5°	382.9	363.2	355.6	348.1	335.2	324.7	317.1	314.8	317.1	324.7	335.2
150°	386.0	368.5	361.7	354.9	343.6	333.7	327.7	325.4	327.7	333.7	343.6
152.5°	389.0	373.8	367.8	361.7	351.1	342.8	336.8	336.0	336.8	342.8	351.1
155°	392.0	379.1	373.5	367.8	359.5	351.1	346.6	345.8	346.6	351.1	359.5
157.5°	394.3	382.9	378.0	373.1	366.3	358.7	354.9	354.2	354.9	358.7	366.3
160°	395.8	386.7	382.5	378.4	372.3	366.3	363.2	362.5	363.2	366.3	372.3
162.5°	396.5	389.0	386.0	382.9	377.6	373.1	370.1	370.8	370.1	373.1	377.6
165°	397.3	390.5	388.2	386.0	382.2	377.6	376.1	376.9	376.1	377.6	382.2
167.5°	397.3	392.0	390.5	389.0	386.0	382.9	381.4	382.2	381.4	382.9	386.0
170°	396.5	392.8	391.6	390.5	389.0	386.7	386.0	387.5	386.0	386.7	389.0
172.5°	395.8	393.5	392.8	392.0	391.2	389.0	389.7	390.5	389.7	389.0	391.2
175°	395.0	393.5	393.2	392.8	392.8	391.2	392.0	392.8	392.0	391.2	392.8
177.5°	394.3	393.5	393.5	393.5	393.5	392.0	392.8	394.3	392.8	392.0	393.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	564.0	566.2	565.8	561.4	556.6	552.7	545.2	546.1	543.4	543.9	546.5
5°	550.0	550.0	548.3	542.1	534.2	529.9	521.5	519.3	514.1	513.6	513.2
7.5°	535.1	532.9	530.7	522.0	512.3	505.3	493.9	491.3	486.0	482.5	480.8
10°	517.6	514.5	510.1	500.1	488.2	479.5	467.6	464.1	454.0	449.7	447.0
12.5°	498.3	496.6	489.5	481.2	461.9	452.3	435.2	438.7	428.6	419.9	418.5
15°	479.0	472.5	468.5	454.9	431.7	427.3	413.7	406.7	397.5	390.5	390.5
17.5°	460.2	450.1	441.3	426.9	409.8	397.5	387.4	383.9	372.5	365.5	364.2
20°	435.2	423.8	421.6	401.0	389.2	375.6	366.0	357.2	348.9	345.8	343.6
22.5°	411.5	398.4	394.9	377.3	365.5	351.9	342.3	336.2	330.0	327.8	323.9
25°	386.1	378.2	373.0	354.1	341.0	328.3	321.7	317.3	311.6	311.2	308.5
27.5°	361.6	354.1	348.9	330.9	321.2	309.4	304.2	299.3	296.3	295.0	293.6
30°	340.5	332.2	326.1	312.9	301.1	291.4	287.1	284.0	282.2	280.1	279.6
32.5°	317.3	312.5	304.2	294.1	284.9	275.7	273.0	270.8	268.2	267.3	266.9
35°	297.6	291.0	285.7	274.4	270.4	262.5	259.5	257.7	254.2	253.3	252.4
37.5°	278.3	272.2	266.5	259.5	252.0	247.6	245.9	243.2	241.5	241.9	241.0
40°	259.0	254.2	249.8	242.4	238.0	235.8	232.3	229.7	228.8	229.2	228.8
42.5°	240.2	235.8	233.2	227.5	223.1	220.9	218.7	216.1	217.4	217.4	218.7
45°	223.1	219.1	217.4	213.0	210.4	206.9	204.7	204.2	206.0	205.5	205.5
47.5°	205.5	204.2	202.0	198.1	194.6	192.4	192.0	192.0	193.7	194.6	194.2
50°	192.0	189.3	186.7	183.6	181.0	180.1	178.8	179.7	181.4	181.4	182.3
52.5°	174.9	173.1	172.2	169.6	167.9	167.9	167.9	168.3	169.6	170.9	170.5
55°	160.0	158.7	157.8	156.5	154.3	154.7	154.3	155.1	156.5	157.8	158.7
57.5°	144.2	143.8	142.9	140.7	140.7	140.2	141.6	142.0	144.2	145.1	146.4
60°	130.2	128.9	128.9	127.1	127.1	127.1	128.4	129.7	131.5	131.9	132.8
62.5°	115.3	115.3	114.8	113.5	113.5	114.8	115.3	117.0	117.9	117.9	119.2
65°	101.2	100.8	100.4	100.8	101.2	101.2	102.6	103.4	104.3	104.7	105.2
67.5°	87.2	86.8	87.7	87.2	88.1	89.8	89.4	90.7	92.0	92.0	92.5
70°	74.1	74.9	74.5	75.4	74.9	75.8	77.1	77.6	77.6	78.0	79.3
72.5°	61.8	61.8	61.8	61.4	61.8	62.7	63.5	64.0	64.9	65.3	66.6
75°	50.0	50.0	49.1	50.0	50.0	50.8	51.7	51.7	51.7	52.6	53.9
77.5°	37.7	38.1	37.7	38.6	38.6	39.0	39.9	39.4	40.3	40.8	41.2
80°	27.6	27.2	27.2	27.2	27.6	27.6	28.5	28.9	28.9	30.2	29.4
82.5°	17.5	18.0	17.5	18.0	18.0	18.4	18.0	18.4	18.8	19.7	19.3
85°	10.1	9.6	9.6	10.1	9.6	9.6	10.1	9.6	10.1	9.6	10.1
87.5°	3.9	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	15.1	20.4	25.0	25.7	25.0	24.2	22.7	24.2
92.5°	31.8	36.0	40.1	60.5	89.3	115.0	116.5	97.6	76.4	65.1	56.8
95°	56.0	65.1	74.2	109.0	174.8	262.6	296.7	259.6	198.3	152.1	120.3
97.5°	75.7	85.9	96.1	140.8	232.3	373.8	483.6	487.4	405.6	323.9	247.5
100°	94.6	105.2	115.8	155.9	248.2	411.7	597.8	706.8	690.9	597.1	493.4
102.5°	112.0	122.6	133.2	169.5	249.0	397.3	601.6	788.5	877.8	874.8	806.0
105°	128.7	139.2	149.8	185.4	252.8	377.6	560.8	762.1	919.5	1005.0	1014.8
107.5°	145.3	155.9	166.5	201.3	261.1	367.0	522.9	706.1	874.8	1002.0	1076.1
110°	161.9	172.9	183.9	217.2	271.7	364.0	497.2	653.8	813.5	949.0	1045.9

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.8	189.2	200.5	232.3	283.0	364.8	480.5	617.5	757.5	886.2	991.4
115°	195.2	205.4	215.7	248.2	294.4	367.8	469.2	588.8	713.6	830.2	929.3
117.5°	211.1	221.7	232.3	262.6	306.5	372.3	463.1	569.1	677.3	781.7	874.1
120°	227.0	237.6	248.2	277.7	318.6	376.9	457.8	554.0	651.6	745.4	825.6
122.5°	242.9	253.9	264.9	292.1	329.2	382.2	454.8	541.1	631.1	715.1	790.1
125°	258.1	268.6	279.2	306.5	340.5	387.5	451.0	529.0	611.5	689.4	756.0
127.5°	271.7	282.6	293.6	320.1	351.1	392.8	448.8	517.6	591.8	663.7	727.3
130°	284.5	295.1	305.7	332.2	361.0	398.8	447.2	506.3	572.9	638.0	697.7
132.5°	296.7	307.2	317.8	342.8	370.8	404.9	446.5	497.2	554.7	613.7	667.5
135°	307.2	317.8	328.4	352.7	379.1	409.4	445.7	488.9	538.1	588.0	638.0
137.5°	317.1	327.0	336.8	361.0	386.0	414.0	445.7	482.8	524.4	567.6	608.4
140°	325.4	335.2	345.1	367.8	391.2	417.0	445.0	477.5	511.6	547.9	582.7
142.5°	333.0	342.0	351.1	373.1	395.8	419.2	445.0	472.2	501.0	530.5	559.2
145°	341.3	349.6	358.0	378.4	399.6	420.8	443.5	467.7	491.1	516.1	539.6
147.5°	348.1	355.6	363.2	382.9	401.8	421.5	441.2	463.1	483.6	504.0	522.9
150°	354.9	361.7	368.5	386.0	403.4	420.8	438.9	457.1	475.2	491.9	507.8
152.5°	361.7	367.8	373.8	389.0	404.1	419.2	435.1	451.8	466.9	482.1	494.9
155°	367.8	373.5	379.1	392.0	404.9	417.7	430.6	445.0	459.4	471.5	482.8
157.5°	373.1	378.0	382.9	394.3	404.9	414.7	426.1	438.9	450.3	460.9	470.7
160°	378.4	382.5	386.7	395.8	404.9	412.4	421.5	432.1	442.0	450.3	458.6
162.5°	382.9	386.0	389.0	396.5	404.1	410.2	417.7	426.1	433.6	440.4	447.2
165°	386.0	388.2	390.5	397.3	402.6	407.1	412.4	419.2	425.3	430.6	435.9
167.5°	389.0	390.5	392.0	397.3	401.8	404.1	407.9	412.4	417.0	421.5	425.3
170°	390.5	391.6	392.8	396.5	400.3	401.8	404.1	407.1	410.9	413.2	416.2
172.5°	392.0	392.8	393.5	395.8	398.1	398.8	399.6	401.8	404.1	405.6	407.9
175°	392.8	393.2	393.5	395.0	396.5	395.8	396.5	397.3	399.6	400.3	401.1
177.5°	393.5	393.5	393.5	394.3	395.8	394.3	393.5	394.3	395.8	395.8	396.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	543.4	544.8	541.7	540.8	541.7	538.6	539.5	540.4	540.4	541.7	542.6
5°	511.9	510.1	507.1	506.2	505.3	506.6	505.8	507.1	507.5	510.6	511.0
7.5°	480.8	478.1	475.5	472.9	472.0	469.8	472.0	472.0	475.1	474.2	476.4
10°	444.0	443.5	440.0	438.7	437.0	433.4	438.3	437.0	439.1	443.1	444.0
12.5°	416.8	412.0	414.2	408.0	410.2	406.7	407.1	407.1	410.7	411.1	410.2
15°	390.9	387.0	381.3	378.7	377.3	375.6	381.3	381.7	379.1	385.2	383.0
17.5°	364.6	364.6	359.4	358.1	354.6	356.3	355.4	355.9	355.0	359.4	361.6
20°	341.8	339.7	337.9	338.3	334.0	333.1	332.2	333.1	336.2	339.2	340.1
22.5°	323.4	322.1	317.7	318.6	315.1	316.4	315.6	317.7	318.2	318.2	321.2
25°	305.9	304.2	304.6	302.8	301.5	301.5	300.2	301.5	303.3	304.2	304.6
27.5°	292.8	291.4	289.3	287.9	288.8	286.6	288.4	289.7	289.7	288.8	289.7
30°	277.0	277.9	277.9	273.5	275.2	274.4	275.7	276.5	276.5	277.0	276.1
32.5°	266.5	263.8	263.4	263.0	263.0	261.2	261.2	262.5	263.0	263.4	264.7
35°	252.4	252.4	250.2	251.6	249.8	250.2	249.8	250.2	251.1	249.8	251.1
37.5°	239.7	240.2	239.3	240.2	240.6	239.7	238.9	240.6	239.7	239.7	238.9
40°	228.8	228.3	228.8	228.8	228.8	229.2	228.3	228.3	228.3	227.5	226.6
42.5°	219.6	216.9	217.8	218.3	216.9	216.9	217.4	216.9	218.3	215.6	215.6
45°	206.4	205.5	206.0	206.0	206.9	205.5	206.4	206.9	205.5	205.1	204.2
47.5°	194.6	195.5	194.6	195.5	195.5	196.3	194.6	195.0	195.5	193.7	192.4
50°	182.8	182.8	184.1	183.6	184.1	183.2	183.2	182.8	183.2	182.3	181.0
52.5°	171.8	170.5	172.7	172.2	171.8	171.4	170.9	171.4	170.5	169.6	169.6
55°	158.2	158.2	159.5	160.0	160.0	159.1	158.2	158.7	158.2	157.8	157.3
57.5°	147.3	145.5	146.4	146.8	146.8	145.5	146.4	145.5	145.5	145.9	144.6
60°	133.2	133.2	132.4	133.7	133.7	132.8	132.8	133.2	132.4	131.9	131.5
62.5°	118.3	118.8	120.1	120.5	121.0	120.1	119.2	119.6	119.6	118.3	118.8
65°	105.6	106.5	108.3	107.8	106.9	107.4	106.5	106.9	105.6	106.1	104.7
67.5°	93.4	92.9	93.4	93.4	94.2	93.8	92.9	92.9	92.5	93.8	92.5
70°	80.2	80.2	80.2	80.2	80.6	81.1	80.2	79.3	79.8	78.9	78.4
72.5°	66.6	67.1	66.6	67.5	66.2	67.1	67.1	66.6	66.2	66.2	66.2
75°	53.9	54.8	53.5	53.9	53.5	54.3	53.9	53.9	53.0	52.6	53.0
77.5°	41.2	41.6	40.8	41.2	40.8	41.2	41.2	40.8	40.8	40.8	40.8
80°	29.4	29.8	29.4	28.9	28.5	29.4	28.5	28.9	29.4	28.9	29.8
82.5°	18.8	18.8	18.4	18.8	18.0	18.0	18.4	18.4	18.0	18.8	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.6	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°	24.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.6
92.5°	53.8	50.7	49.9	46.9	47.7	46.2	47.7	46.9	49.9	50.7	53.8
95°	112.0	103.7	93.8	87.8	85.5	86.3	85.5	87.8	93.8	103.7	112.0
97.5°	224.8	202.1	172.5	157.4	149.1	144.5	149.1	157.4	172.5	202.1	224.8
100°	447.6	401.8	339.0	306.5	284.5	270.9	284.5	306.5	339.0	401.8	447.6
102.5°	756.8	707.6	638.0	576.7	547.9	528.2	547.9	576.7	638.0	707.6	756.8
105°	1002.3	989.8	942.9	896.0	863.5	852.9	863.5	896.0	942.9	989.8	1002.3
107.5°	1091.2	1106.4	1105.6	1098.8	1089.0	1071.6	1089.0	1098.8	1105.6	1106.4	1091.2
110°	1076.9	1107.9	1140.4	1154.8	1161.6	1160.9	1161.6	1154.8	1140.4	1107.9	1076.9

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1028.1	1064.8	1113.2	1139.7	1154.1	1159.4	1154.1	1139.7	1113.2	1064.8	1028.1
115°	968.3	1007.3	1061.0	1095.8	1115.5	1122.3	1115.5	1095.8	1061.0	1007.3	968.3
117.5°	911.2	948.2	1003.5	1040.6	1061.0	1066.3	1061.0	1040.6	1003.5	948.2	911.2
120°	860.0	894.5	947.5	983.0	1005.0	1012.6	1005.0	983.0	947.5	894.5	860.0
122.5°	820.4	850.6	896.8	931.6	950.5	956.6	950.5	931.6	896.8	850.6	820.4
125°	784.4	812.8	856.7	885.4	904.3	910.4	904.3	885.4	856.7	812.8	784.4
127.5°	753.8	780.2	818.8	846.1	862.7	867.3	862.7	846.1	818.8	780.2	753.8
130°	722.7	747.7	784.8	810.5	825.6	831.7	825.6	810.5	784.8	747.7	722.7
132.5°	690.6	713.6	750.0	775.7	789.3	794.6	789.3	775.7	750.0	713.6	690.6
135°	659.2	680.3	712.9	737.8	751.5	754.5	751.5	737.8	712.9	680.3	659.2
137.5°	627.3	646.3	677.3	699.3	711.4	715.9	711.4	699.3	677.3	646.3	627.3
140°	599.4	616.0	640.2	659.9	671.3	675.8	671.3	659.9	640.2	616.0	599.4
142.5°	572.4	585.7	608.4	625.8	635.7	635.7	635.7	625.8	608.4	585.7	572.4
145°	550.6	561.5	579.7	592.5	600.1	602.4	600.1	592.5	579.7	561.5	550.6
147.5°	531.2	539.6	555.5	566.1	571.4	572.9	571.4	566.1	555.5	539.6	531.2
150°	514.6	521.4	532.8	541.8	546.4	547.1	546.4	541.8	532.8	521.4	514.6
152.5°	500.6	506.3	514.6	522.2	525.2	525.2	525.2	522.2	514.6	506.3	500.6
155°	487.0	491.1	499.5	504.8	507.8	506.3	507.8	504.8	499.5	491.1	487.0
157.5°	474.1	477.5	483.6	488.1	489.6	489.6	489.6	488.1	483.6	477.5	474.1
160°	461.2	463.9	469.2	473.0	473.7	473.7	473.7	473.0	469.2	463.9	461.2
162.5°	449.1	451.0	456.3	458.6	459.4	458.6	459.4	458.6	456.3	451.0	449.1
165°	437.4	438.9	442.0	445.0	445.0	444.2	445.0	445.0	442.0	438.9	437.4
167.5°	426.8	428.3	429.8	431.4	431.4	430.6	431.4	431.4	429.8	428.3	426.8
170°	417.0	417.7	418.5	420.8	420.0	418.5	420.0	420.8	418.5	417.7	417.0
172.5°	408.3	408.7	409.4	410.2	409.4	408.7	409.4	410.2	409.4	408.7	408.3
175°	401.5	401.8	401.8	402.6	401.8	400.3	401.8	402.6	401.8	401.8	401.5
177.5°	396.5	396.5	396.5	396.5	395.8	394.3	395.8	396.5	396.5	396.5	396.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	541.3	544.8	543.4	538.6	544.3	544.3	548.3	548.3	553.1	554.8	557.5
5°	510.6	513.2	515.4	513.2	517.2	523.3	526.8	529.9	536.4	539.1	543.0
7.5°	477.7	482.5	484.7	484.7	491.3	498.3	505.3	509.7	518.9	522.4	526.4
10°	445.7	451.4	455.8	455.4	466.3	470.7	479.5	489.5	498.7	504.0	509.7
12.5°	412.0	415.0	421.2	429.9	432.6	440.5	450.5	463.2	479.9	484.7	493.0
15°	383.9	392.2	397.1	401.0	407.1	414.6	425.6	437.8	454.5	465.0	473.8
17.5°	360.3	371.2	374.3	373.4	381.3	392.7	405.4	414.6	429.5	442.2	450.5
20°	341.0	345.4	350.6	352.8	358.9	371.2	383.5	394.0	406.3	416.4	426.0
22.5°	321.7	325.2	329.6	333.5	338.3	345.4	357.2	370.3	382.2	391.8	402.8
25°	305.9	308.1	312.0	315.1	320.4	325.2	333.5	348.0	362.0	367.7	377.3
27.5°	290.6	292.3	295.0	298.5	301.1	305.9	313.4	325.2	339.7	345.4	358.5
30°	277.0	278.3	280.9	282.7	284.0	289.7	295.4	304.6	315.6	323.4	333.1
32.5°	264.3	265.6	268.2	268.7	270.4	273.5	278.7	287.1	296.7	303.3	311.6
35°	250.2	251.1	253.8	254.6	255.9	258.6	262.5	268.7	277.4	282.2	289.7
37.5°	239.3	238.9	240.6	241.9	243.7	245.0	246.3	252.4	259.0	263.4	269.1
40°	227.5	226.6	227.0	228.8	229.7	231.4	231.4	237.5	241.9	245.4	249.8
42.5°	215.6	215.2	214.3	215.2	216.1	216.5	216.9	221.3	225.7	228.8	233.6
45°	203.8	203.4	202.5	202.9	202.9	203.8	205.1	206.9	209.9	212.6	215.2
47.5°	192.8	192.0	190.6	190.2	191.1	191.1	191.1	192.8	195.9	196.8	199.4
50°	181.4	180.1	178.4	177.5	177.5	177.1	177.9	178.4	181.0	181.9	184.1
52.5°	169.2	168.3	166.5	164.8	165.2	164.3	164.8	165.2	166.1	167.4	168.7
55°	156.9	155.1	153.8	153.4	152.1	152.1	150.8	152.5	152.1	152.5	154.3
57.5°	145.1	143.3	141.1	140.2	138.9	138.5	137.6	137.2	137.6	138.9	140.2
60°	131.0	130.2	128.9	127.5	126.7	125.3	124.5	124.5	124.0	124.0	124.5
62.5°	117.5	117.0	115.3	114.8	113.9	113.1	111.8	110.9	110.9	111.8	112.2
65°	104.3	103.9	102.6	102.1	99.9	99.0	98.6	98.2	97.3	97.3	97.3
67.5°	92.0	90.7	90.7	88.5	86.8	85.9	85.0	84.6	84.6	84.6	85.0
70°	78.4	78.4	77.1	75.8	74.1	74.5	73.2	71.9	71.9	71.0	71.4
72.5°	65.3	64.9	63.5	63.1	61.8	60.5	59.6	60.5	59.2	58.7	59.2
75°	52.6	52.2	51.3	50.4	50.8	49.5	48.2	47.8	47.8	46.9	46.9
77.5°	40.3	41.2	39.4	39.0	38.1	37.3	36.8	36.4	36.4	36.4	37.3
80°	28.0	28.5	28.5	27.6	28.0	26.7	26.7	26.7	25.4	25.9	26.3
82.5°	18.0	18.0	17.5	18.0	17.5	17.5	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.6	9.2	10.1	9.6	9.6	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°	24.2	22.7	24.2	25.0	25.7	25.0	20.4	15.1	11.4	10.2	9.1
92.5°	56.8	65.1	76.4	97.6	116.5	115.0	89.3	60.5	40.1	36.0	31.8
95°	120.3	152.1	198.3	259.6	296.7	262.6	174.8	109.0	74.2	65.1	56.0
97.5°	247.5	323.9	405.6	487.4	483.6	373.8	232.3	140.8	96.1	85.9	75.7
100°	493.4	597.1	690.9	706.8	597.8	411.7	248.2	155.9	115.8	105.2	94.6
102.5°	806.0	874.8	877.8	788.5	601.6	397.3	249.0	169.5	133.2	122.6	112.0
105°	1014.8	1005.0	919.5	762.1	560.8	377.6	252.8	185.4	149.8	139.2	128.7
107.5°	1076.1	1002.0	874.8	706.1	522.9	367.0	261.1	201.3	166.5	155.9	145.3
110°	1045.9	949.0	813.5	653.8	497.2	364.0	271.7	217.2	183.9	172.9	161.9

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	991.4	886.2	757.5	617.5	480.5	364.8	283.0	232.3	200.5	189.2	177.8
115°	929.3	830.2	713.6	588.8	469.2	367.8	294.4	248.2	215.7	205.4	195.2
117.5°	874.1	781.7	677.3	569.1	463.1	372.3	306.5	262.6	232.3	221.7	211.1
120°	825.6	745.4	651.6	554.0	457.8	376.9	318.6	277.7	248.2	237.6	227.0
122.5°	790.1	715.1	631.1	541.1	454.8	382.2	329.2	292.1	264.9	253.9	242.9
125°	756.0	689.4	611.5	529.0	451.0	387.5	340.5	306.5	279.2	268.6	258.1
127.5°	727.3	663.7	591.8	517.6	448.8	392.8	351.1	320.1	293.6	282.6	271.7
130°	697.7	638.0	572.9	506.3	447.2	398.8	361.0	332.2	305.7	295.1	284.5
132.5°	667.5	613.7	554.7	497.2	446.5	404.9	370.8	342.8	317.8	307.2	296.7
135°	638.0	588.0	538.1	488.9	445.7	409.4	379.1	352.7	328.4	317.8	307.2
137.5°	608.4	567.6	524.4	482.8	445.7	414.0	386.0	361.0	336.8	327.0	317.1
140°	582.7	547.9	511.6	477.5	445.0	417.0	391.2	367.8	345.1	335.2	325.4
142.5°	559.2	530.5	501.0	472.2	445.0	419.2	395.8	373.1	351.1	342.0	333.0
145°	539.6	516.1	491.1	467.7	443.5	420.8	399.6	378.4	358.0	349.6	341.3
147.5°	522.9	504.0	483.6	463.1	441.2	421.5	401.8	382.9	363.2	355.6	348.1
150°	507.8	491.9	475.2	457.1	438.9	420.8	403.4	386.0	368.5	361.7	354.9
152.5°	494.9	482.1	466.9	451.8	435.1	419.2	404.1	389.0	373.8	367.8	361.7
155°	482.8	471.5	459.4	445.0	430.6	417.7	404.9	392.0	379.1	373.5	367.8
157.5°	470.7	460.9	450.3	438.9	426.1	414.7	404.9	394.3	382.9	378.0	373.1
160°	458.6	450.3	442.0	432.1	421.5	412.4	404.9	395.8	386.7	382.5	378.4
162.5°	447.2	440.4	433.6	426.1	417.7	410.2	404.1	396.5	389.0	386.0	382.9
165°	435.9	430.6	425.3	419.2	412.4	407.1	402.6	397.3	390.5	388.2	386.0
167.5°	425.3	421.5	417.0	412.4	407.9	404.1	401.8	397.3	392.0	390.5	389.0
170°	416.2	413.2	410.9	407.1	404.1	401.8	400.3	396.5	392.8	391.6	390.5
172.5°	407.9	405.6	404.1	401.8	399.6	398.8	398.1	395.8	393.5	392.8	392.0
175°	401.1	400.3	399.6	397.3	396.5	395.8	396.5	395.0	393.5	393.2	392.8
177.5°	396.5	395.8	395.8	394.3	393.5	394.3	395.8	394.3	393.5	393.5	393.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	570.2	570.2	570.2	570.2
2.5°	559.7	559.7	566.2	573.3
5°	547.4	550.5	561.0	570.6
7.5°	535.6	540.8	554.0	566.2
10°	521.1	528.1	544.3	558.8
12.5°	507.1	513.6	532.5	548.7
15°	487.4	495.7	515.8	536.0
17.5°	467.6	476.0	500.5	524.2
20°	444.4	455.4	483.0	514.5
22.5°	422.9	436.5	467.2	492.6
25°	399.3	420.3	448.8	481.7
27.5°	378.2	399.3	428.2	461.5
30°	354.6	376.0	405.8	436.5
32.5°	331.8	351.5	380.4	418.1
35°	308.1	326.9	355.0	393.1
37.5°	286.6	305.0	335.7	370.8
40°	265.6	284.9	311.2	346.2
42.5°	245.9	263.0	286.6	321.7
45°	227.9	240.2	262.1	295.0
47.5°	209.1	220.0	240.2	273.0
50°	191.5	200.7	218.3	248.9
52.5°	174.4	182.3	198.5	223.1
55°	159.1	166.5	178.4	202.5
57.5°	143.3	149.0	160.4	179.7
60°	128.0	133.2	142.4	158.2
62.5°	112.6	117.0	125.8	138.5
65°	99.0	102.6	109.1	120.1
67.5°	85.9	88.1	93.4	102.1
70°	73.2	74.9	79.3	86.3
72.5°	59.6	61.4	66.2	71.0
75°	48.2	48.6	52.2	56.1
77.5°	37.7	37.3	39.9	43.0
80°	25.9	27.2	29.4	30.7
82.5°	17.5	18.0	18.8	19.7
85°	9.6	10.1	10.1	11.4
87.5°	3.9	4.4	4.4	4.8
90°	7.6	6.1	3.0	0.8
92.5°	25.7	21.9	15.9	11.4
95°	43.9	37.1	29.5	26.5
97.5°	62.1	52.2	43.9	39.4
100°	79.5	67.4	60.5	58.3
102.5°	96.1	84.0	77.2	75.7
105°	112.0	100.6	95.4	92.3
107.5°	128.7	118.1	112.8	110.5
110°	146.1	136.2	131.7	128.7

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	162.7	153.6	148.3	145.3
115°	180.1	171.0	166.5	162.7
117.5°	196.8	188.4	183.9	180.9
120°	211.9	205.1	200.5	197.5
122.5°	227.8	220.2	215.7	213.4
125°	242.9	233.8	229.3	227.0
127.5°	257.3	247.5	241.4	238.4
130°	269.4	258.8	251.2	248.2
132.5°	280.8	269.4	261.1	257.3
135°	289.8	278.5	269.4	266.4
137.5°	299.7	287.6	278.5	274.7
140°	308.8	296.7	287.6	284.5
142.5°	317.1	305.0	296.7	294.4
145°	326.2	314.8	307.2	304.2
147.5°	335.2	324.7	317.1	314.8
150°	343.6	333.7	327.7	325.4
152.5°	351.1	342.8	336.8	336.0
155°	359.5	351.1	346.6	345.8
157.5°	366.3	358.7	354.9	354.2
160°	372.3	366.3	363.2	362.5
162.5°	377.6	373.1	370.1	370.8
165°	382.2	377.6	376.1	376.9
167.5°	386.0	382.9	381.4	382.2
170°	389.0	386.7	386.0	387.5
172.5°	391.2	389.0	389.7	390.5
175°	392.8	391.2	392.0	392.8
177.5°	393.5	392.0	392.8	394.3
180°	393.5	393.5	393.5	393.5

TEST NUMBER: P998260

CATALOG NUMBER: SA2XXDIP-B290D725UB27-4F0-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	11.45	12.15	12.56	13.25	14.77	8.95	9.65	10.05	10.74	12.26
	3H	12.25	12.88	13.37	13.99	15.52	10.28	10.91	11.40	12.01	13.54
	4H	12.42	13.01	13.54	14.12	15.65	10.74	11.33	11.86	12.44	13.97
	6H	12.45	13.00	13.59	14.11	15.66	11.03	11.58	12.17	12.69	14.24
	8H	12.43	12.94	13.56	14.07	15.61	11.11	11.63	12.25	12.76	14.30
	12H	12.38	12.88	13.52	14.00	15.56	11.15	11.64	12.29	12.76	14.32
4H	2H	11.48	12.07	12.61	13.18	14.71	9.37	9.97	10.51	11.07	12.61
	3H	12.44	12.94	13.58	14.07	15.62	10.82	11.31	11.96	12.45	14.00
	4H	12.71	13.17	13.85	14.29	15.86	11.35	11.80	12.49	12.93	14.49
	6H	12.83	13.22	13.98	14.37	15.93	11.72	12.11	12.87	13.25	14.81
	8H	12.83	13.19	13.98	14.33	15.91	11.83	12.19	12.97	13.33	14.90
	12H	12.79	13.11	13.95	14.26	15.85	11.87	12.20	13.04	13.35	14.93
8H	4H	12.71	13.07	13.86	14.21	15.79	11.48	11.84	12.62	12.98	14.56
	6H	12.88	13.18	14.05	14.36	15.93	11.91	12.21	13.07	13.39	14.96
	8H	12.91	13.17	14.08	14.33	15.93	12.06	12.32	13.23	13.48	15.07
	12H	12.89	13.12	14.06	14.27	15.90	12.14	12.37	13.32	13.53	15.15
12H	4H	12.66	12.99	13.82	14.14	15.72	11.45	11.77	12.61	12.92	14.50
	6H	12.86	13.12	14.03	14.28	15.87	11.91	12.17	13.08	13.33	14.92
	8H	12.89	13.11	14.06	14.27	15.90	12.06	12.28	13.23	13.44	15.07