

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: P998283

Luminaire Tested: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998283
REPORT IS A COMBINATION OF REPORTS P984023 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

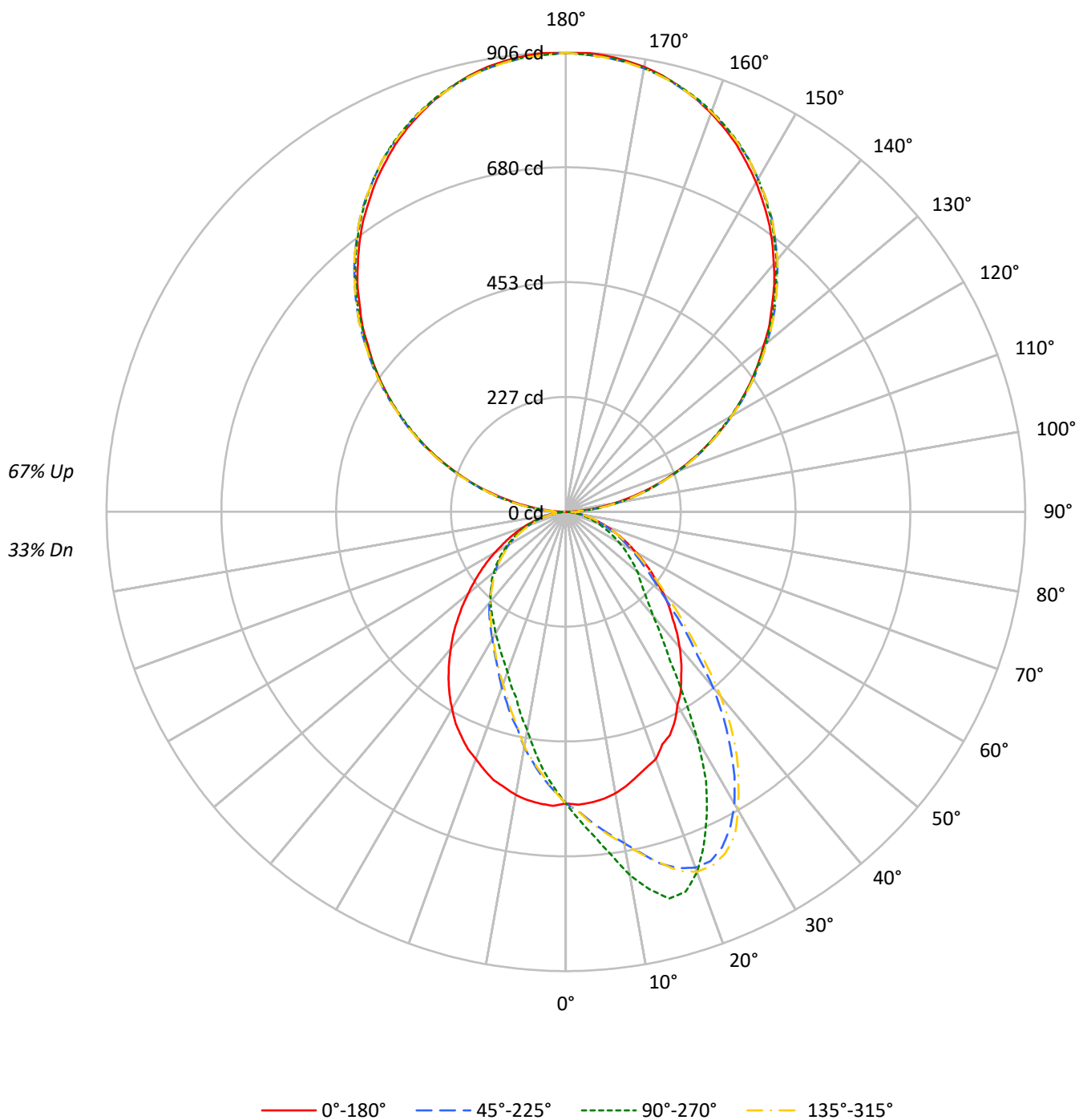
Lumens per Lamp: N/A
Luminaire Lumens: 3801.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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	93	93	93	93	74	74	74	57	57	57	41	41	41
1	94	90	87	83	85	82	79	76	65	63	61	50	49	48	37	36	35
2	86	79	73	69	78	72	67	63	58	54	51	45	42	40	33	31	30
3	79	70	63	57	71	63	57	53	51	47	43	40	37	35	29	27	26
4	72	62	54	49	65	56	50	45	46	41	37	36	32	30	26	24	23
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20
6	61	50	42	36	55	45	38	34	37	32	28	29	26	23	22	19	18
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	18	16
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9105	9105	9105	9105
5°	9126	9708	9161	7724
10°	9021	10597	9077	6367
15°	8802	11178	8924	5364
20°	8664	10495	8664	4662
25°	8389	9016	8427	4169
30°	7933	7088	8085	3777
35°	7532	4901	7657	3455
40°	7070	3701	7148	3199
45°	6497	3040	6604	2922
50°	6005	2670	6017	2675
55°	5441	2274	5478	2407
60°	4843	1899	4910	2101
65°	4305	1545	4383	1794
70°	3772	1212	3867	1447
75°	3166	880	3289	1049
80°	2467	557	2651	622
85°	1624	280	1752	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9412 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.4
10°-20°	159.5	4.2
20°-30°	231.4	6.1
30°-40°	244.0	6.4
40°-50°	215.9	5.7
50°-60°	172.4	4.5
60°-70°	117.1	3.1
70°-80°	59.9	1.6
80°-90°	16.7	0.4
90°-100°	56.0	1.5
100°-110°	177.9	4.7
110°-120°	304.4	8.0
120°-130°	400.4	10.5
130°-140°	449.4	11.8
140°-150°	440.7	11.6
150°-160°	369.7	9.7
160°-170°	245.2	6.5
170°-180°	85.7	2.3
0°-30°	445.7	11.7
0°-40°	689.6	18.1
0°-60°	1077.9	28.4
0°-90°	1271.6	33.5
90°-120°	538.3	14.2
90°-150°	1828.9	48.1
90°-180°	2529.0	66.5
0°-180°	3801.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	575	575	575	575	575	
5°	576	642	578	511	576	55
15°	541	790	548	379	541	153
25°	486	658	488	304	486	222
35°	397	358	403	252	397	248
45°	298	216	302	207	298	231
55°	204	152	206	160	204	182
65°	121	93	123	108	121	120
75°	57	46	59	55	57	61
85°	12	12	12	9	12	13
90°	1	26	1	26	1	3
95°	40	47	40	47	40	44
105°	164	170	164	170	164	173
115°	305	305	305	305	305	302
125°	444	446	444	446	444	397
135°	575	582	575	582	575	444
145°	698	706	698	706	698	436
155°	798	804	798	804	798	367
165°	868	869	868	869	868	245
175°	903	900	903	900	903	86
180°	905	905	905	905	905	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	578.3	579.6	581.8	582.2	586.7	590.2	594.2	594.2	595.5	595.1	591.5
5°	575.6	579.6	585.3	590.2	598.2	601.7	607.0	611.0	614.5	617.2	616.7
7.5°	571.2	578.3	586.7	595.9	606.6	612.7	620.3	627.3	632.2	636.6	639.7
10°	563.7	575.6	587.1	599.5	613.2	621.6	630.4	639.7	647.2	655.6	663.6
12.5°	553.5	570.7	584.9	601.3	618.1	627.3	641.5	648.6	663.1	684.4	690.1
15°	540.7	564.1	577.4	598.2	620.3	627.8	647.2	658.7	688.8	702.1	718.0
17.5°	528.7	554.8	572.5	596.4	618.1	632.6	651.7	675.1	700.3	719.3	737.0
20°	519.0	544.2	565.4	592.0	619.4	637.9	657.8	686.1	713.5	733.0	746.7
22.5°	496.9	529.2	553.9	583.6	616.7	642.4	661.4	692.3	721.9	733.9	745.8
25°	485.9	513.7	542.5	576.1	615.0	645.5	661.8	696.3	722.4	726.8	729.5
27.5°	465.5	496.9	530.5	569.0	614.5	640.2	660.9	692.3	713.1	710.0	702.1
30°	440.3	478.8	515.9	557.5	608.3	636.2	655.6	684.4	695.0	679.1	664.9
32.5°	421.8	458.0	499.1	547.3	601.3	627.8	646.8	669.3	671.5	642.8	618.9
35°	396.6	436.8	483.2	534.1	589.3	613.2	630.9	644.6	634.0	593.7	565.4
37.5°	374.0	413.8	463.3	515.0	573.0	596.4	610.5	612.7	586.7	551.3	509.7
40°	349.3	390.4	442.1	496.5	554.8	575.2	584.0	577.4	539.8	498.7	450.5
42.5°	324.5	365.2	420.9	476.6	531.8	549.1	552.6	534.5	488.5	440.3	384.6
45°	297.5	340.0	395.7	451.8	505.3	515.0	515.5	489.4	435.0	384.6	332.9
47.5°	275.4	314.8	370.0	426.2	471.3	477.9	475.3	445.2	386.0	329.4	284.3
50°	251.1	288.7	343.5	398.8	437.2	439.0	432.4	389.5	331.6	279.8	244.0
52.5°	225.0	263.0	313.4	366.5	401.0	398.3	385.5	339.5	285.2	242.3	214.9
55°	204.2	237.8	285.2	336.9	361.2	353.7	339.5	292.7	249.8	213.5	189.7
57.5°	181.3	210.9	257.3	302.4	316.5	309.5	295.3	251.6	211.8	184.4	168.4
60°	159.6	186.6	227.2	264.8	275.9	268.4	252.0	212.6	183.9	160.9	149.0
62.5°	139.7	163.1	197.2	231.7	236.1	228.6	214.4	182.6	157.8	139.7	130.9
65°	121.1	143.2	170.6	196.7	200.7	192.8	178.2	155.2	134.4	122.9	114.5
67.5°	103.0	120.7	145.0	164.0	166.2	158.7	146.8	128.2	115.4	103.0	96.8
70°	87.1	100.4	119.4	134.8	135.7	128.7	122.5	105.7	95.9	87.1	82.2
72.5°	71.6	80.9	95.5	107.0	107.4	103.0	97.3	86.7	78.3	72.1	67.2
75°	56.6	64.5	73.4	83.6	83.1	79.6	75.2	68.5	61.5	57.5	55.3
77.5°	43.3	48.2	55.3	61.9	61.9	60.1	57.5	52.6	48.2	44.2	42.0
80°	30.9	34.0	39.8	42.0	42.9	42.4	40.2	36.7	34.9	31.8	30.9
82.5°	19.9	22.1	24.8	27.0	28.3	27.4	27.0	25.2	22.5	21.7	20.8
85°	11.5	12.4	13.7	15.0	15.5	15.0	15.9	14.6	13.3	13.3	12.8
87.5°	4.9	5.3	6.2	6.2	6.6	6.6	6.2	6.6	6.6	6.2	5.7
90°	0.8	2.8	4.8	6.9	8.9	9.9	11.8	15.5	19.2	23.0	26.7
92.5°	16.8	18.2	19.5	20.9	22.2	22.9	23.0	23.2	23.3	23.5	23.7
95°	39.7	41.4	43.1	44.8	46.5	47.3	47.5	47.8	48.2	48.5	48.9
97.5°	66.4	67.9	69.5	71.0	72.5	73.3	73.6	74.3	75.0	75.6	76.3
100°	97.0	98.4	99.7	101.1	102.4	103.1	103.4	103.9	104.4	104.9	105.4
102.5°	129.0	130.0	131.0	132.1	133.1	133.6	133.9	134.6	135.3	136.0	136.7
105°	164.1	164.6	165.1	165.6	166.1	166.4	166.6	166.9	167.3	167.6	168.0
107.5°	199.3	200.0	200.6	201.3	202.0	202.3	202.3	202.3	202.3	202.3	202.3
110°	232.9	233.9	234.9	235.9	236.9	237.4	237.4	237.4	237.4	237.4	237.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	269.5	270.5	271.5	272.6	273.6	274.1	274.0	273.8	273.7	273.5	273.3
115°	305.4	306.4	307.4	308.5	309.5	310.0	309.8	309.5	309.1	308.8	308.4
117.5°	341.3	342.7	344.0	345.4	346.7	347.4	347.0	346.1	345.3	344.4	343.6
120°	377.2	378.6	379.9	381.3	382.6	383.3	382.6	381.3	379.9	378.6	377.2
122.5°	410.0	411.7	413.4	415.1	416.8	417.6	417.2	416.3	415.5	414.6	413.8
125°	444.3	445.8	447.4	448.9	450.4	451.2	450.9	450.4	449.9	449.4	448.9
127.5°	477.9	479.8	481.6	483.5	485.4	486.3	486.0	485.3	484.6	484.0	483.3
130°	509.2	511.4	513.6	515.9	518.1	519.2	519.0	518.7	518.3	518.0	517.6
132.5°	544.4	546.1	547.8	549.5	551.2	552.0	552.1	552.3	552.4	552.6	552.8
135°	574.9	576.8	578.6	580.5	582.4	583.3	583.5	583.8	584.1	584.5	584.8
137.5°	608.5	610.0	611.6	613.1	614.6	615.4	615.6	615.9	616.2	616.6	616.9
140°	638.3	639.8	641.3	642.8	644.3	645.1	645.5	646.4	647.3	648.1	649.0
142.5°	668.8	670.3	671.9	673.4	674.9	675.7	676.0	676.5	677.0	677.5	678.0
145°	697.8	699.0	700.2	701.4	702.6	703.2	703.7	704.7	705.7	706.7	707.7
147.5°	723.8	725.3	726.8	728.3	729.8	730.6	730.9	731.6	732.3	733.0	733.7
150°	750.5	751.5	752.5	753.6	754.6	755.1	755.4	756.1	756.8	757.4	758.1
152.5°	774.2	775.2	776.2	777.2	778.2	778.7	779.1	780.0	780.9	781.7	782.6
155°	797.8	798.3	798.8	799.3	799.8	800.1	800.4	800.9	801.4	801.9	802.4
157.5°	818.4	818.8	819.1	819.5	819.8	820.0	820.2	820.5	820.8	821.2	821.5
160°	836.8	837.1	837.5	837.8	838.1	838.3	838.4	838.6	838.7	838.9	839.1
162.5°	853.6	853.6	853.6	853.6	853.6	853.6	853.7	853.8	854.0	854.1	854.3
165°	868.1	867.9	867.7	867.6	867.4	867.3	867.3	867.3	867.3	867.3	867.3
167.5°	881.1	880.6	880.1	879.6	879.1	878.8	878.8	878.8	878.8	878.8	878.8
170°	891.0	890.5	890.0	889.5	889.0	888.7	888.6	888.4	888.3	888.1	887.9
172.5°	897.8	897.3	896.8	896.3	895.8	895.6	895.5	895.3	895.2	895.0	894.8
175°	903.2	902.7	902.2	901.7	901.2	900.9	900.7	900.4	900.1	899.7	899.4
177.5°	906.2	905.7	905.2	904.7	904.2	904.0	903.8	903.5	903.1	902.8	902.4
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	597.7	598.2	599.0	603.5	605.7	606.1	604.3	608.3	609.7	608.3	607.4
5°	626.0	628.7	634.0	639.7	639.3	639.7	642.4	645.0	645.9	642.4	643.7
7.5°	650.8	656.1	661.8	670.7	670.7	675.1	676.9	679.1	684.4	681.7	680.8
10°	679.1	686.1	696.7	710.9	711.3	715.8	720.2	727.3	729.5	727.7	728.6
12.5°	714.4	728.1	729.0	744.5	751.6	752.5	759.5	758.2	762.6	762.6	770.1
15°	729.9	751.1	763.1	778.1	782.5	777.2	783.0	789.1	789.6	789.6	789.1
17.5°	757.8	766.2	778.1	786.1	787.8	787.8	788.3	790.9	789.1	785.6	788.3
20°	763.5	767.0	771.5	770.6	771.5	767.0	762.6	758.2	758.6	756.4	763.1
22.5°	752.9	752.0	741.8	735.2	735.2	726.4	718.0	714.0	710.0	711.3	713.5
25°	726.4	712.7	700.3	690.6	688.3	674.2	662.7	659.2	652.5	657.8	658.7
27.5°	683.9	668.5	648.6	640.2	628.7	622.9	615.0	604.3	590.6	598.6	597.3
30°	638.4	615.4	599.0	578.7	560.6	559.3	544.2	526.5	519.5	519.5	523.4
32.5°	587.5	557.0	533.2	504.4	486.8	479.2	461.1	443.4	447.4	434.1	439.0
35°	528.3	488.1	458.0	430.2	416.9	408.1	384.6	374.9	364.3	358.1	369.6
37.5°	471.7	425.3	386.8	356.3	351.5	335.6	319.6	313.4	307.3	309.9	309.5
40°	402.8	361.6	327.2	303.3	294.9	287.4	276.8	269.2	265.3	267.5	267.9
42.5°	340.4	305.9	280.3	263.5	256.4	251.1	245.8	239.6	238.3	238.3	240.1
45°	292.2	263.9	246.7	233.0	229.0	225.0	221.0	218.4	217.5	215.7	217.1
47.5°	253.8	231.2	220.6	210.4	206.0	205.1	201.6	200.3	198.5	198.1	198.5
50°	221.5	207.3	197.6	191.9	188.8	187.4	185.7	183.0	182.1	184.4	183.5
52.5°	198.9	185.7	180.4	174.6	172.9	171.1	168.4	168.9	168.4	167.6	167.6
55°	176.4	168.0	162.7	158.3	157.8	156.1	153.9	153.0	152.5	151.6	153.0
57.5°	158.3	151.6	146.8	142.8	141.0	141.0	138.8	137.1	137.1	136.6	137.1
60°	140.1	133.5	130.4	126.4	125.1	124.7	123.3	122.5	121.1	121.1	121.1
62.5°	123.3	118.0	114.5	111.0	111.4	109.2	107.4	106.5	106.5	107.0	107.0
65°	107.4	103.9	99.5	96.4	95.5	95.1	94.2	93.7	92.4	93.3	93.3
67.5°	92.8	88.0	85.3	84.0	82.7	82.2	81.3	80.5	80.0	79.6	80.5
70°	78.3	74.3	72.1	71.2	69.9	69.4	69.0	67.6	68.1	68.5	69.0
72.5°	65.0	61.5	61.0	58.4	58.4	58.4	56.6	57.5	57.0	56.1	57.0
75°	51.3	49.5	48.6	47.3	47.7	47.3	46.9	45.5	45.5	46.0	46.4
77.5°	40.7	38.9	38.5	37.1	36.3	37.1	36.3	35.8	35.8	36.3	36.3
80°	30.1	29.2	27.9	27.9	27.9	27.4	27.4	27.4	27.0	26.5	27.0
82.5°	19.9	19.9	19.5	19.0	19.5	18.6	19.0	19.0	19.0	19.0	19.0
85°	12.8	12.4	12.4	11.9	11.9	11.9	12.4	11.5	11.5	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°	26.4	26.0	25.7	25.4	25.2	25.3	25.5	25.6	25.8	26.0	25.8
92.5°	23.9	24.0	24.2	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4
95°	48.9	48.9	48.9	48.9	48.9	48.7	48.4	48.0	47.7	47.3	47.7
97.5°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
100°	105.4	105.4	105.4	105.4	105.4	105.3	105.1	105.0	104.8	104.6	104.8
102.5°	136.9	137.0	137.2	137.3	137.4	137.3	137.2	137.0	136.9	136.7	136.9
105°	168.3	168.7	169.0	169.3	169.5	169.5	169.5	169.5	169.5	169.5	169.5
107.5°	202.5	202.7	202.8	203.0	203.1	202.7	201.8	201.0	200.1	199.3	200.1
110°	237.4	237.4	237.4	237.4	237.4	237.2	236.7	236.2	235.7	235.2	235.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	272.8	272.3	271.8	271.3	271.0	270.8	270.5	270.2	269.8	269.5	269.8
115°	308.2	308.1	307.9	307.8	307.7	307.4	306.9	306.4	305.9	305.4	305.9
117.5°	343.1	342.6	342.1	341.6	341.3	341.0	340.5	340.0	339.5	339.0	339.5
120°	377.2	377.2	377.2	377.2	377.2	376.9	376.4	375.9	375.4	374.9	375.4
122.5°	413.3	412.8	412.3	411.8	411.5	411.3	411.0	410.7	410.3	410.0	410.3
125°	448.4	447.9	447.4	446.9	446.6	446.5	446.4	446.2	446.1	445.9	446.1
127.5°	482.6	481.9	481.2	480.5	480.2	479.9	479.4	478.9	478.4	477.9	478.4
130°	517.3	516.9	516.6	516.3	516.1	515.8	515.1	514.4	513.8	513.1	513.8
132.5°	551.9	551.1	550.2	549.3	548.9	548.6	548.1	547.6	547.1	546.6	547.1
135°	584.6	584.5	584.3	584.2	584.1	583.8	583.3	582.8	582.3	581.8	582.3
137.5°	616.7	616.5	616.4	616.2	616.1	615.8	615.1	614.4	613.8	613.1	613.8
140°	649.0	649.0	649.0	649.0	649.0	648.7	648.0	647.3	646.6	645.9	646.6
142.5°	678.2	678.3	678.5	678.6	678.7	678.4	677.7	677.0	676.4	675.7	676.4
145°	707.9	708.1	708.2	708.4	708.5	708.2	707.5	706.8	706.2	705.5	706.2
147.5°	734.0	734.4	734.7	735.0	735.2	734.9	734.2	733.5	732.9	732.2	732.9
150°	758.6	759.1	759.6	760.1	760.4	760.1	759.6	759.1	758.6	758.1	758.6
152.5°	783.3	783.9	784.6	785.3	785.6	785.3	784.6	783.9	783.3	782.6	783.3
155°	803.2	804.1	804.9	805.8	806.2	805.9	805.4	804.9	804.4	803.9	804.4
157.5°	822.7	823.9	825.0	826.2	826.8	826.4	825.5	824.7	823.8	823.0	823.8
160°	840.1	841.1	842.1	843.1	843.6	843.3	842.6	841.9	841.3	840.6	841.3
162.5°	855.5	856.7	857.9	859.1	859.7	859.3	858.4	857.6	856.7	855.9	856.7
165°	868.5	869.7	870.9	872.1	872.7	872.3	871.4	870.5	869.7	868.8	869.7
167.5°	880.0	881.2	882.3	883.5	884.1	883.7	882.8	882.0	881.1	880.3	881.1
170°	889.1	890.3	891.5	892.7	893.3	892.8	891.8	890.7	889.7	888.7	889.7
172.5°	896.0	897.2	898.3	899.5	900.1	899.6	898.6	897.6	896.6	895.6	896.6
175°	900.6	901.8	902.9	904.1	904.7	904.2	903.2	902.1	901.1	900.1	901.1
177.5°	903.4	904.4	905.5	906.5	907.0	906.5	905.5	904.4	903.4	902.4	903.4
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	609.7	606.6	603.9	604.3	606.6	604.8	600.4	594.6	592.4	589.8	592.4
5°	646.3	643.7	638.4	638.8	637.5	635.7	628.7	619.8	619.8	612.7	611.9
7.5°	682.6	678.6	675.1	674.2	669.3	665.8	659.6	647.2	642.4	634.0	629.1
10°	723.3	720.2	716.2	711.3	708.7	702.5	692.3	674.2	665.4	653.9	645.5
12.5°	764.4	763.9	755.1	745.4	744.9	735.2	728.1	703.8	691.9	676.4	656.5
15°	790.5	788.3	783.4	778.5	779.9	769.3	753.3	724.6	716.6	698.1	676.9
17.5°	790.0	790.0	788.7	787.8	786.5	783.4	774.6	755.5	742.7	719.3	699.4
20°	764.8	770.6	771.9	771.5	775.9	778.1	777.7	765.7	755.5	734.8	714.4
22.5°	714.4	727.7	733.4	737.0	746.3	751.1	762.6	758.2	755.5	740.1	722.8
25°	667.6	672.0	689.2	690.1	702.9	714.9	726.4	733.9	743.6	737.9	723.3
27.5°	607.0	617.2	629.5	638.8	641.5	665.8	684.8	699.0	721.1	722.8	718.0
30°	538.5	543.3	563.7	576.1	590.2	607.9	635.3	659.6	679.5	697.6	703.8
32.5°	454.9	474.8	486.8	501.8	514.2	545.5	579.1	610.5	633.5	664.0	677.3
35°	378.4	393.9	414.2	420.4	443.0	469.5	513.3	553.5	588.4	619.4	646.3
37.5°	315.2	327.6	349.3	359.0	372.2	406.3	443.0	492.9	534.9	573.0	606.6
40°	271.9	281.2	297.5	300.6	311.7	342.6	372.2	419.1	474.8	526.1	562.8
42.5°	242.3	246.7	257.7	261.7	268.8	289.6	316.1	360.3	412.0	465.1	516.8
45°	221.0	224.1	230.8	234.3	243.2	252.4	274.1	309.5	350.1	403.6	459.3
47.5°	202.0	206.0	208.7	210.9	215.7	225.9	240.1	266.1	305.0	354.1	408.1
50°	186.1	187.4	192.3	192.8	195.8	202.5	215.7	231.7	262.6	302.4	354.6
52.5°	170.2	171.5	174.6	177.7	179.0	184.4	193.2	206.5	229.4	260.8	307.3
55°	154.3	156.1	159.2	161.4	162.7	167.1	172.4	185.2	203.4	225.5	263.5
57.5°	138.4	142.4	143.2	144.6	146.8	151.6	156.5	164.0	178.2	198.5	226.4
60°	123.3	124.7	127.8	129.1	131.3	134.0	140.1	145.9	156.1	172.0	197.2
62.5°	107.9	111.0	112.3	113.6	115.4	118.5	122.5	128.7	137.5	150.3	170.2
65°	94.6	95.1	97.7	99.5	101.2	103.5	107.4	113.2	118.5	130.4	145.0
67.5°	81.8	82.7	83.6	85.3	87.5	89.7	93.3	96.4	103.0	111.0	122.5
70°	69.4	69.4	71.6	72.9	72.5	75.2	77.8	81.3	86.2	93.7	103.0
72.5°	58.4	57.9	59.7	60.1	61.0	62.8	64.5	68.1	70.7	76.5	83.6
75°	46.4	47.3	48.2	48.2	49.5	50.8	52.6	54.4	57.5	61.0	66.3
77.5°	36.7	36.7	37.6	38.0	39.3	38.9	40.7	42.4	44.7	47.7	51.7
80°	27.0	27.9	27.9	27.9	28.3	28.7	30.5	31.8	33.2	35.4	37.1
82.5°	19.0	19.0	19.9	19.9	19.9	20.8	20.8	21.2	22.1	23.4	24.8
85°	11.9	11.9	11.9	12.4	11.9	12.4	13.3	12.8	13.3	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°	25.6	25.5	25.3	25.2	25.4	25.7	26.0	26.4	26.7	23.0	19.2
92.5°	24.4	24.4	24.4	24.4	24.3	24.2	24.0	23.9	23.7	23.5	23.3
95°	48.0	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.5	48.2
97.5°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	75.6	75.0
100°	105.0	105.1	105.3	105.4	105.4	105.4	105.4	105.4	105.4	104.9	104.4
102.5°	137.0	137.2	137.3	137.4	137.3	137.2	137.0	136.9	136.7	136.0	135.3
105°	169.5	169.5	169.5	169.5	169.3	169.0	168.7	168.3	168.0	167.6	167.3
107.5°	201.0	201.8	202.7	203.1	203.0	202.8	202.7	202.5	202.3	202.3	202.3
110°	236.2	236.7	237.2	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	270.2	270.5	270.8	271.0	271.3	271.8	272.3	272.8	273.3	273.5	273.7
115°	306.4	306.9	307.4	307.7	307.8	307.9	308.1	308.2	308.4	308.8	309.1
117.5°	340.0	340.5	341.0	341.3	341.6	342.1	342.6	343.1	343.6	344.4	345.3
120°	375.9	376.4	376.9	377.2	377.2	377.2	377.2	377.2	377.2	378.6	379.9
122.5°	410.7	411.0	411.3	411.5	411.8	412.3	412.8	413.3	413.8	414.6	415.5
125°	446.2	446.4	446.5	446.6	446.9	447.4	447.9	448.4	448.9	449.4	449.9
127.5°	478.9	479.4	479.9	480.2	480.5	481.2	481.9	482.6	483.3	484.0	484.6
130°	514.4	515.1	515.8	516.1	516.3	516.6	516.9	517.3	517.6	518.0	518.3
132.5°	547.6	548.1	548.6	548.9	549.3	550.2	551.1	551.9	552.8	552.6	552.4
135°	582.8	583.3	583.8	584.1	584.2	584.3	584.5	584.6	584.8	584.5	584.1
137.5°	614.4	615.1	615.8	616.1	616.2	616.4	616.5	616.7	616.9	616.6	616.2
140°	647.3	648.0	648.7	649.0	649.0	649.0	649.0	649.0	649.0	648.1	647.3
142.5°	677.0	677.7	678.4	678.7	678.6	678.5	678.3	678.2	678.0	677.5	677.0
145°	706.8	707.5	708.2	708.5	708.4	708.2	708.1	707.9	707.7	706.7	705.7
147.5°	733.5	734.2	734.9	735.2	735.0	734.7	734.4	734.0	733.7	733.0	732.3
150°	759.1	759.6	760.1	760.4	760.1	759.6	759.1	758.6	758.1	757.4	756.8
152.5°	783.9	784.6	785.3	785.6	785.3	784.6	783.9	783.3	782.6	781.7	780.9
155°	804.9	805.4	805.9	806.2	805.8	804.9	804.1	803.2	802.4	801.9	801.4
157.5°	824.7	825.5	826.4	826.8	826.2	825.0	823.9	822.7	821.5	821.2	820.8
160°	841.9	842.6	843.3	843.6	843.1	842.1	841.1	840.1	839.1	838.9	838.7
162.5°	857.6	858.4	859.3	859.7	859.1	857.9	856.7	855.5	854.3	854.1	854.0
165°	870.5	871.4	872.3	872.7	872.1	870.9	869.7	868.5	867.3	867.3	867.3
167.5°	882.0	882.8	883.7	884.1	883.5	882.3	881.2	880.0	878.8	878.8	878.8
170°	890.7	891.8	892.8	893.3	892.7	891.5	890.3	889.1	887.9	888.1	888.3
172.5°	897.6	898.6	899.6	900.1	899.5	898.3	897.2	896.0	894.8	895.0	895.2
175°	902.1	903.2	904.2	904.7	904.1	902.9	901.8	900.6	899.4	899.7	900.1
177.5°	904.4	905.5	906.5	907.0	906.5	905.5	904.4	903.4	902.4	902.8	903.1
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	590.2	588.0	586.7	587.5	584.9	578.3	578.3	580.5	577.8	575.2	571.2
5°	606.6	602.1	599.5	599.0	592.9	582.2	580.0	577.8	572.1	565.9	559.3
7.5°	622.5	614.5	610.1	607.0	598.2	584.5	578.7	573.8	564.6	555.3	546.9
10°	635.7	624.2	618.9	614.1	602.6	585.3	576.1	567.2	555.3	543.3	532.7
12.5°	646.3	633.1	626.5	619.4	605.2	582.7	571.2	557.0	545.1	529.2	518.6
15°	664.0	636.6	630.4	623.8	609.2	578.3	564.1	548.2	531.8	510.6	499.1
17.5°	678.2	641.5	641.0	626.9	607.9	576.5	554.8	534.1	516.4	495.2	477.0
20°	686.6	649.0	641.9	627.3	603.5	564.6	542.0	519.0	500.0	474.4	456.2
22.5°	693.7	659.6	641.0	623.4	594.2	560.6	527.4	505.8	479.7	451.8	434.6
25°	696.3	661.8	642.4	622.0	587.5	549.1	511.5	488.1	458.9	433.7	410.3
27.5°	696.7	661.4	637.5	616.3	578.3	534.1	495.6	470.8	438.6	409.4	386.0
30°	692.3	656.5	634.9	611.9	569.4	520.3	476.1	448.7	414.2	385.1	360.8
32.5°	679.1	646.8	629.1	603.9	557.9	501.3	457.6	427.1	390.8	362.1	338.6
35°	657.0	634.9	615.4	592.0	542.9	483.7	439.0	403.2	366.5	339.1	317.0
37.5°	629.5	617.6	599.5	576.5	525.7	467.7	418.2	378.4	341.7	315.2	293.6
40°	592.4	595.5	577.8	557.0	505.3	446.1	391.3	353.2	318.8	294.0	272.8
42.5°	552.2	565.0	554.8	534.9	482.8	422.2	371.4	329.4	295.8	270.1	252.4
45°	508.9	531.0	524.8	510.2	459.3	397.0	343.1	302.4	272.8	248.0	232.5
47.5°	461.6	492.9	492.9	482.3	433.3	371.8	318.8	277.2	248.0	230.3	215.3
50°	413.4	448.7	454.5	447.4	404.1	343.1	289.1	251.6	226.4	209.1	198.1
52.5°	363.0	404.1	414.7	411.2	373.1	315.7	264.8	228.1	205.1	190.1	180.4
55°	314.8	362.5	374.0	375.3	340.0	285.6	237.8	205.6	183.5	173.3	164.9
57.5°	269.2	315.2	328.0	330.2	306.4	258.2	212.6	184.4	164.5	156.1	149.4
60°	230.3	268.8	285.6	290.5	269.7	226.4	189.2	161.8	146.8	138.8	132.6
62.5°	198.5	229.4	247.1	248.5	239.2	198.5	164.9	141.9	129.1	122.0	118.9
65°	167.6	195.4	206.0	211.3	203.8	172.0	142.4	123.3	113.2	107.0	103.9
67.5°	142.8	160.5	169.3	176.4	168.9	145.0	121.1	105.7	98.1	92.0	90.2
70°	117.2	131.7	138.4	145.5	138.8	120.7	103.5	89.3	82.7	77.8	75.6
72.5°	93.7	105.2	111.4	115.8	111.9	96.8	82.7	72.9	68.1	64.5	63.2
75°	74.3	82.2	85.8	88.9	87.1	75.6	66.8	58.8	54.4	51.3	50.4
77.5°	56.6	62.3	66.3	67.2	65.0	57.5	50.0	45.1	41.6	39.8	38.9
80°	40.2	43.8	46.0	47.3	45.1	42.0	36.7	33.2	30.1	27.9	27.4
82.5°	27.0	28.7	30.5	30.1	29.2	26.5	23.4	21.7	20.3	18.6	18.6
85°	15.5	15.9	16.8	17.2	16.8	15.0	13.3	12.4	11.5	10.2	10.2
87.5°	6.6	7.1	7.1	7.5	6.6	6.6	5.7	4.9	4.9	4.4	4.0
90°	15.5	11.8	9.9	8.9	6.9	4.8	2.8	0.8	2.8	4.8	6.9
92.5°	23.2	23.0	22.9	22.2	20.9	19.5	18.2	16.8	18.2	19.5	20.9
95°	47.8	47.5	47.3	46.5	44.8	43.1	41.4	39.7	41.4	43.1	44.8
97.5°	74.3	73.6	73.3	72.5	71.0	69.5	67.9	66.4	67.9	69.5	71.0
100°	103.9	103.4	103.1	102.4	101.1	99.7	98.4	97.0	98.4	99.7	101.1
102.5°	134.6	133.9	133.6	133.1	132.1	131.0	130.0	129.0	130.0	131.0	132.1
105°	166.9	166.6	166.4	166.1	165.6	165.1	164.6	164.1	164.6	165.1	165.6
107.5°	202.3	202.3	202.3	202.0	201.3	200.6	200.0	199.3	200.0	200.6	201.3
110°	237.4	237.4	237.4	236.9	235.9	234.9	233.9	232.9	233.9	234.9	235.9

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	273.8	274.0	274.1	273.6	272.6	271.5	270.5	269.5	270.5	271.5	272.6
115°	309.5	309.8	310.0	309.5	308.5	307.4	306.4	305.4	306.4	307.4	308.5
117.5°	346.1	347.0	347.4	346.7	345.4	344.0	342.7	341.3	342.7	344.0	345.4
120°	381.3	382.6	383.3	382.6	381.3	379.9	378.6	377.2	378.6	379.9	381.3
122.5°	416.3	417.2	417.6	416.8	415.1	413.4	411.7	410.0	411.7	413.4	415.1
125°	450.4	450.9	451.2	450.4	448.9	447.4	445.8	444.3	445.8	447.4	448.9
127.5°	485.3	486.0	486.3	485.4	483.5	481.6	479.8	477.9	479.8	481.6	483.5
130°	518.7	519.0	519.2	518.1	515.9	513.6	511.4	509.2	511.4	513.6	515.9
132.5°	552.3	552.1	552.0	551.2	549.5	547.8	546.1	544.4	546.1	547.8	549.5
135°	583.8	583.5	583.3	582.4	580.5	578.6	576.8	574.9	576.8	578.6	580.5
137.5°	615.9	615.6	615.4	614.6	613.1	611.6	610.0	608.5	610.0	611.6	613.1
140°	646.4	645.5	645.1	644.3	642.8	641.3	639.8	638.3	639.8	641.3	642.8
142.5°	676.5	676.0	675.7	674.9	673.4	671.9	670.3	668.8	670.3	671.9	673.4
145°	704.7	703.7	703.2	702.6	701.4	700.2	699.0	697.8	699.0	700.2	701.4
147.5°	731.6	730.9	730.6	729.8	728.3	726.8	725.3	723.8	725.3	726.8	728.3
150°	756.1	755.4	755.1	754.6	753.6	752.5	751.5	750.5	751.5	752.5	753.6
152.5°	780.0	779.1	778.7	778.2	777.2	776.2	775.2	774.2	775.2	776.2	777.2
155°	800.9	800.4	800.1	799.8	799.3	798.8	798.3	797.8	798.3	798.8	799.3
157.5°	820.5	820.2	820.0	819.8	819.5	819.1	818.8	818.4	818.8	819.1	819.5
160°	838.6	838.4	838.3	838.1	837.8	837.5	837.1	836.8	837.1	837.5	837.8
162.5°	853.8	853.7	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6
165°	867.3	867.3	867.3	867.4	867.6	867.7	867.9	868.1	867.9	867.7	867.6
167.5°	878.8	878.8	878.8	879.1	879.6	880.1	880.6	881.1	880.6	880.1	879.6
170°	888.4	888.6	888.7	889.0	889.5	890.0	890.5	891.0	890.5	890.0	889.5
172.5°	895.3	895.5	895.6	895.8	896.3	896.8	897.3	897.8	897.3	896.8	896.3
175°	900.4	900.7	900.9	901.2	901.7	902.2	902.7	903.2	902.7	902.2	901.7
177.5°	903.5	903.8	904.0	904.2	904.7	905.2	905.7	906.2	905.7	905.2	904.7
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	569.0	571.2	570.7	566.3	561.5	557.5	550.0	550.9	548.2	548.6	551.3
5°	554.8	554.8	553.1	546.9	538.9	534.5	526.1	523.9	518.6	518.1	517.7
7.5°	539.8	537.6	535.4	526.5	516.8	509.7	498.2	495.6	490.3	486.8	485.0
10°	522.1	519.0	514.6	504.4	492.5	483.7	471.7	468.2	458.0	453.6	450.9
12.5°	502.7	500.9	493.8	485.4	466.0	456.2	439.0	442.5	432.4	423.5	422.2
15°	483.2	476.6	472.6	458.9	435.5	431.0	417.3	410.3	401.0	393.9	393.9
17.5°	464.2	454.0	445.2	430.6	413.4	401.0	390.8	387.3	375.8	368.7	367.4
20°	439.0	427.5	425.3	404.5	392.6	378.9	369.2	360.3	351.9	348.8	346.6
22.5°	415.1	401.9	398.3	380.6	368.7	355.0	345.3	339.1	332.9	330.7	326.7
25°	389.5	381.5	376.2	357.2	344.0	331.1	324.5	320.1	314.3	313.9	311.2
27.5°	364.7	357.2	351.9	333.8	324.1	312.1	306.8	302.0	298.9	297.5	296.2
30°	343.5	335.1	328.9	315.7	303.7	294.0	289.6	286.5	284.7	282.5	282.1
32.5°	320.1	315.2	306.8	296.6	287.4	278.1	275.4	273.2	270.6	269.7	269.2
35°	300.2	293.6	288.2	276.8	272.8	264.8	261.7	260.0	256.4	255.5	254.6
37.5°	280.7	274.5	268.8	261.7	254.2	249.8	248.0	245.4	243.6	244.0	243.2
40°	261.3	256.4	252.0	244.5	240.1	237.8	234.3	231.7	230.8	231.2	230.8
42.5°	242.3	237.8	235.2	229.4	225.0	222.8	220.6	218.0	219.3	219.3	220.6
45°	225.0	221.0	219.3	214.9	212.2	208.7	206.5	206.0	207.8	207.3	207.3
47.5°	207.3	206.0	203.8	199.8	196.3	194.1	193.6	193.6	195.4	196.3	195.8
50°	193.6	191.0	188.3	185.2	182.6	181.7	180.4	181.3	183.0	183.0	183.9
52.5°	176.4	174.6	173.7	171.1	169.3	169.3	169.3	169.8	171.1	172.4	172.0
55°	161.4	160.0	159.2	157.8	155.6	156.1	155.6	156.5	157.8	159.2	160.0
57.5°	145.5	145.0	144.1	141.9	141.9	141.5	142.8	143.2	145.5	146.3	147.7
60°	131.3	130.0	130.0	128.2	128.2	128.2	129.5	130.9	132.6	133.1	134.0
62.5°	116.3	116.3	115.8	114.5	114.5	115.8	116.3	118.0	118.9	118.9	120.3
65°	102.1	101.7	101.2	101.7	102.1	102.1	103.5	104.3	105.2	105.7	106.1
67.5°	88.0	87.5	88.4	88.0	88.9	90.6	90.2	91.5	92.8	92.8	93.3
70°	74.7	75.6	75.2	76.0	75.6	76.5	77.8	78.3	78.3	78.7	80.0
72.5°	62.3	62.3	62.3	61.9	62.3	63.2	64.1	64.5	65.4	65.9	67.2
75°	50.4	50.4	49.5	50.4	50.4	51.3	52.2	52.2	52.2	53.1	54.4
77.5°	38.0	38.5	38.0	38.9	38.9	39.3	40.2	39.8	40.7	41.1	41.6
80°	27.9	27.4	27.4	27.4	27.9	27.9	28.7	29.2	29.2	30.5	29.6
82.5°	17.7	18.1	17.7	18.1	18.1	18.6	18.1	18.6	19.0	19.9	19.5
85°	10.2	9.7	9.7	10.2	9.7	9.7	10.2	9.7	10.2	9.7	10.2
87.5°	4.0	3.5	3.5	3.5	3.5	3.1	3.1	2.7	2.7	2.7	2.2
90°	8.9	9.9	11.8	15.5	19.2	23.0	26.7	26.4	26.0	25.7	25.4
92.5°	22.2	22.9	23.0	23.2	23.3	23.5	23.7	23.9	24.0	24.2	24.3
95°	46.5	47.3	47.5	47.8	48.2	48.5	48.9	48.9	48.9	48.9	48.9
97.5°	72.5	73.3	73.6	74.3	75.0	75.6	76.3	76.3	76.3	76.3	76.3
100°	102.4	103.1	103.4	103.9	104.4	104.9	105.4	105.4	105.4	105.4	105.4
102.5°	133.1	133.6	133.9	134.6	135.3	136.0	136.7	136.9	137.0	137.2	137.3
105°	166.1	166.4	166.6	166.9	167.3	167.6	168.0	168.3	168.7	169.0	169.3
107.5°	202.0	202.3	202.3	202.3	202.3	202.3	202.3	202.5	202.7	202.8	203.0
110°	236.9	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	273.6	274.1	274.0	273.8	273.7	273.5	273.3	272.8	272.3	271.8	271.3
115°	309.5	310.0	309.8	309.5	309.1	308.8	308.4	308.2	308.1	307.9	307.8
117.5°	346.7	347.4	347.0	346.1	345.3	344.4	343.6	343.1	342.6	342.1	341.6
120°	382.6	383.3	382.6	381.3	379.9	378.6	377.2	377.2	377.2	377.2	377.2
122.5°	416.8	417.6	417.2	416.3	415.5	414.6	413.8	413.3	412.8	412.3	411.8
125°	450.4	451.2	450.9	450.4	449.9	449.4	448.9	448.4	447.9	447.4	446.9
127.5°	485.4	486.3	486.0	485.3	484.6	484.0	483.3	482.6	481.9	481.2	480.5
130°	518.1	519.2	519.0	518.7	518.3	518.0	517.6	517.3	516.9	516.6	516.3
132.5°	551.2	552.0	552.1	552.3	552.4	552.6	552.8	551.9	551.1	550.2	549.3
135°	582.4	583.3	583.5	583.8	584.1	584.5	584.8	584.6	584.5	584.3	584.2
137.5°	614.6	615.4	615.6	615.9	616.2	616.6	616.9	616.7	616.5	616.4	616.2
140°	644.3	645.1	645.5	646.4	647.3	648.1	649.0	649.0	649.0	649.0	649.0
142.5°	674.9	675.7	676.0	676.5	677.0	677.5	678.0	678.2	678.3	678.5	678.6
145°	702.6	703.2	703.7	704.7	705.7	706.7	707.7	707.9	708.1	708.2	708.4
147.5°	729.8	730.6	730.9	731.6	732.3	733.0	733.7	734.0	734.4	734.7	735.0
150°	754.6	755.1	755.4	756.1	756.8	757.4	758.1	758.6	759.1	759.6	760.1
152.5°	778.2	778.7	779.1	780.0	780.9	781.7	782.6	783.3	783.9	784.6	785.3
155°	799.8	800.1	800.4	800.9	801.4	801.9	802.4	803.2	804.1	804.9	805.8
157.5°	819.8	820.0	820.2	820.5	820.8	821.2	821.5	822.7	823.9	825.0	826.2
160°	838.1	838.3	838.4	838.6	838.7	838.9	839.1	840.1	841.1	842.1	843.1
162.5°	853.6	853.6	853.7	853.8	854.0	854.1	854.3	855.5	856.7	857.9	859.1
165°	867.4	867.3	867.3	867.3	867.3	867.3	867.3	868.5	869.7	870.9	872.1
167.5°	879.1	878.8	878.8	878.8	878.8	878.8	878.8	880.0	881.2	882.3	883.5
170°	889.0	888.7	888.6	888.4	888.3	888.1	887.9	889.1	890.3	891.5	892.7
172.5°	895.8	895.6	895.5	895.3	895.2	895.0	894.8	896.0	897.2	898.3	899.5
175°	901.2	900.9	900.7	900.4	900.1	899.7	899.4	900.6	901.8	902.9	904.1
177.5°	904.2	904.0	903.8	903.5	903.1	902.8	902.4	903.4	904.4	905.5	906.5
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	548.2	549.5	546.4	545.5	546.4	543.3	544.2	545.1	545.1	546.4	547.3
5°	516.4	514.6	511.5	510.6	509.7	511.1	510.2	511.5	511.9	515.0	515.5
7.5°	485.0	482.3	479.7	477.0	476.1	473.9	476.1	476.1	479.2	478.4	480.6
10°	447.8	447.4	443.9	442.5	440.8	437.2	442.1	440.8	443.0	447.0	447.8
12.5°	420.4	415.6	417.8	411.6	413.8	410.3	410.7	410.7	414.2	414.7	413.8
15°	394.4	390.4	384.6	382.0	380.6	378.9	384.6	385.1	382.4	388.6	386.4
17.5°	367.8	367.8	362.5	361.2	357.7	359.4	358.5	359.0	358.1	362.5	364.7
20°	344.8	342.6	340.9	341.3	336.9	336.0	335.1	336.0	339.1	342.2	343.1
22.5°	326.3	324.9	320.5	321.4	317.9	319.2	318.3	320.5	321.0	321.0	324.1
25°	308.6	306.8	307.3	305.5	304.2	304.2	302.8	304.2	305.9	306.8	307.3
27.5°	295.3	294.0	291.8	290.5	291.3	289.1	290.9	292.2	292.2	291.3	292.2
30°	279.4	280.3	280.3	275.9	277.6	276.8	278.1	279.0	279.0	279.4	278.5
32.5°	268.8	266.1	265.7	265.3	265.3	263.5	263.5	264.8	265.3	265.7	267.0
35°	254.6	254.6	252.4	253.8	252.0	252.4	252.0	252.4	253.3	252.0	253.3
37.5°	241.8	242.3	241.4	242.3	242.7	241.8	240.9	242.7	241.8	241.8	240.9
40°	230.8	230.3	230.8	230.8	230.8	231.2	230.3	230.3	230.3	229.4	228.6
42.5°	221.5	218.8	219.7	220.2	218.8	218.8	219.3	218.8	220.2	217.5	217.5
45°	208.2	207.3	207.8	207.8	208.7	207.3	208.2	208.7	207.3	206.9	206.0
47.5°	196.3	197.2	196.3	197.2	197.2	198.1	196.3	196.7	197.2	195.4	194.1
50°	184.4	184.4	185.7	185.2	185.7	184.8	184.8	184.4	184.8	183.9	182.6
52.5°	173.3	172.0	174.2	173.7	173.3	172.9	172.4	172.9	172.0	171.1	171.1
55°	159.6	159.6	160.9	161.4	161.4	160.5	159.6	160.0	159.6	159.2	158.7
57.5°	148.5	146.8	147.7	148.1	148.1	146.8	147.7	146.8	146.8	147.2	145.9
60°	134.4	134.4	133.5	134.8	134.8	134.0	134.0	134.4	133.5	133.1	132.6
62.5°	119.4	119.8	121.1	121.6	122.0	121.1	120.3	120.7	120.7	119.4	119.8
65°	106.5	107.4	109.2	108.8	107.9	108.3	107.4	107.9	106.5	107.0	105.7
67.5°	94.2	93.7	94.2	94.2	95.1	94.6	93.7	93.7	93.3	94.6	93.3
70°	80.9	80.9	80.9	80.9	81.3	81.8	80.9	80.0	80.5	79.6	79.1
72.5°	67.2	67.6	67.2	68.1	66.8	67.6	67.6	67.2	66.8	66.8	66.8
75°	54.4	55.3	53.9	54.4	53.9	54.8	54.4	54.4	53.5	53.1	53.5
77.5°	41.6	42.0	41.1	41.6	41.1	41.6	41.6	41.1	41.1	41.1	41.1
80°	29.6	30.1	29.6	29.2	28.7	29.6	28.7	29.2	29.6	29.2	30.1
82.5°	19.0	19.0	18.6	19.0	18.1	18.1	18.6	18.6	18.1	19.0	18.1
85°	9.3	9.3	10.2	9.3	8.8	8.8	8.8	9.3	8.8	9.7	9.3
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.7	1.8
90°	25.2	25.3	25.5	25.6	25.8	26.0	25.8	25.6	25.5	25.3	25.2
92.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
95°	48.9	48.7	48.4	48.0	47.7	47.3	47.7	48.0	48.4	48.7	48.9
97.5°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
100°	105.4	105.3	105.1	105.0	104.8	104.6	104.8	105.0	105.1	105.3	105.4
102.5°	137.4	137.3	137.2	137.0	136.9	136.7	136.9	137.0	137.2	137.3	137.4
105°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
107.5°	203.1	202.7	201.8	201.0	200.1	199.3	200.1	201.0	201.8	202.7	203.1
110°	237.4	237.2	236.7	236.2	235.7	235.2	235.7	236.2	236.7	237.2	237.4

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	271.0	270.8	270.5	270.2	269.8	269.5	269.8	270.2	270.5	270.8	271.0
115°	307.7	307.4	306.9	306.4	305.9	305.4	305.9	306.4	306.9	307.4	307.7
117.5°	341.3	341.0	340.5	340.0	339.5	339.0	339.5	340.0	340.5	341.0	341.3
120°	377.2	376.9	376.4	375.9	375.4	374.9	375.4	375.9	376.4	376.9	377.2
122.5°	411.5	411.3	411.0	410.7	410.3	410.0	410.3	410.7	411.0	411.3	411.5
125°	446.6	446.5	446.4	446.2	446.1	445.9	446.1	446.2	446.4	446.5	446.6
127.5°	480.2	479.9	479.4	478.9	478.4	477.9	478.4	478.9	479.4	479.9	480.2
130°	516.1	515.8	515.1	514.4	513.8	513.1	513.8	514.4	515.1	515.8	516.1
132.5°	548.9	548.6	548.1	547.6	547.1	546.6	547.1	547.6	548.1	548.6	548.9
135°	584.1	583.8	583.3	582.8	582.3	581.8	582.3	582.8	583.3	583.8	584.1
137.5°	616.1	615.8	615.1	614.4	613.8	613.1	613.8	614.4	615.1	615.8	616.1
140°	649.0	648.7	648.0	647.3	646.6	645.9	646.6	647.3	648.0	648.7	649.0
142.5°	678.7	678.4	677.7	677.0	676.4	675.7	676.4	677.0	677.7	678.4	678.7
145°	708.5	708.2	707.5	706.8	706.2	705.5	706.2	706.8	707.5	708.2	708.5
147.5°	735.2	734.9	734.2	733.5	732.9	732.2	732.9	733.5	734.2	734.9	735.2
150°	760.4	760.1	759.6	759.1	758.6	758.1	758.6	759.1	759.6	760.1	760.4
152.5°	785.6	785.3	784.6	783.9	783.3	782.6	783.3	783.9	784.6	785.3	785.6
155°	806.2	805.9	805.4	804.9	804.4	803.9	804.4	804.9	805.4	805.9	806.2
157.5°	826.8	826.4	825.5	824.7	823.8	823.0	823.8	824.7	825.5	826.4	826.8
160°	843.6	843.3	842.6	841.9	841.3	840.6	841.3	841.9	842.6	843.3	843.6
162.5°	859.7	859.3	858.4	857.6	856.7	855.9	856.7	857.6	858.4	859.3	859.7
165°	872.7	872.3	871.4	870.5	869.7	868.8	869.7	870.5	871.4	872.3	872.7
167.5°	884.1	883.7	882.8	882.0	881.1	880.3	881.1	882.0	882.8	883.7	884.1
170°	893.3	892.8	891.8	890.7	889.7	888.7	889.7	890.7	891.8	892.8	893.3
172.5°	900.1	899.6	898.6	897.6	896.6	895.6	896.6	897.6	898.6	899.6	900.1
175°	904.7	904.2	903.2	902.1	901.1	900.1	901.1	902.1	903.2	904.2	904.7
177.5°	907.0	906.5	905.5	904.4	903.4	902.4	903.4	904.4	905.5	906.5	907.0
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2
2.5°	546.0	549.5	548.2	543.3	549.1	549.1	553.1	553.1	557.9	559.7	562.3
5°	515.0	517.7	519.9	517.7	521.7	527.9	531.4	534.5	541.1	543.8	547.8
7.5°	481.9	486.8	489.0	489.0	495.6	502.7	509.7	514.2	523.4	527.0	531.0
10°	449.6	455.4	459.8	459.3	470.4	474.8	483.7	493.8	503.1	508.4	514.2
12.5°	415.6	418.7	424.9	433.7	436.4	444.3	454.5	467.3	484.1	489.0	497.4
15°	387.3	395.7	400.5	404.5	410.7	418.2	429.3	441.7	458.5	469.1	477.9
17.5°	363.4	374.5	377.6	376.7	384.6	396.1	408.9	418.2	433.3	446.1	454.5
20°	344.0	348.4	353.7	355.9	362.1	374.5	386.8	397.4	409.8	420.0	429.7
22.5°	324.5	328.0	332.5	336.4	341.3	348.4	360.3	373.6	385.5	395.2	406.3
25°	308.6	310.8	314.8	317.9	323.2	328.0	336.4	351.0	365.2	370.9	380.6
27.5°	293.1	294.9	297.5	301.1	303.7	308.6	316.1	328.0	342.6	348.4	361.6
30°	279.4	280.7	283.4	285.2	286.5	292.2	298.0	307.3	318.3	326.3	336.0
32.5°	266.6	267.9	270.6	271.0	272.8	275.9	281.2	289.6	299.3	305.9	314.3
35°	252.4	253.3	256.0	256.9	258.2	260.8	264.8	271.0	279.8	284.7	292.2
37.5°	241.4	240.9	242.7	244.0	245.8	247.1	248.5	254.6	261.3	265.7	271.4
40°	229.4	228.6	229.0	230.8	231.7	233.4	233.4	239.6	244.0	247.6	252.0
42.5°	217.5	217.1	216.2	217.1	218.0	218.4	218.8	223.3	227.7	230.8	235.6
45°	205.6	205.1	204.2	204.7	204.7	205.6	206.9	208.7	211.8	214.4	217.1
47.5°	194.5	193.6	192.3	191.9	192.8	192.8	192.8	194.5	197.6	198.5	201.2
50°	183.0	181.7	179.9	179.0	179.0	178.6	179.5	179.9	182.6	183.5	185.7
52.5°	170.6	169.8	168.0	166.2	166.7	165.8	166.2	166.7	167.6	168.9	170.2
55°	158.3	156.5	155.2	154.7	153.4	153.4	152.1	153.9	153.4	153.9	155.6
57.5°	146.3	144.6	142.4	141.5	140.1	139.7	138.8	138.4	138.8	140.1	141.5
60°	132.2	131.3	130.0	128.7	127.8	126.4	125.6	125.6	125.1	125.1	125.6
62.5°	118.5	118.0	116.3	115.8	114.9	114.1	112.7	111.9	111.9	112.7	113.2
65°	105.2	104.8	103.5	103.0	100.8	99.9	99.5	99.0	98.1	98.1	98.1
67.5°	92.8	91.5	91.5	89.3	87.5	86.7	85.8	85.3	85.3	85.3	85.8
70°	79.1	79.1	77.8	76.5	74.7	75.2	73.8	72.5	72.5	71.6	72.1
72.5°	65.9	65.4	64.1	63.7	62.3	61.0	60.1	61.0	59.7	59.2	59.7
75°	53.1	52.6	51.7	50.8	51.3	50.0	48.6	48.2	48.2	47.3	47.3
77.5°	40.7	41.6	39.8	39.3	38.5	37.6	37.1	36.7	36.7	36.7	37.6
80°	28.3	28.7	28.7	27.9	28.3	27.0	27.0	27.0	25.6	26.1	26.5
82.5°	18.1	18.1	17.7	18.1	17.7	17.7	17.2	17.2	16.8	16.8	17.2
85°	10.2	9.7	9.3	10.2	9.7	9.7	9.3	9.3	9.3	9.3	9.3
87.5°	2.2	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.5	3.5	3.5
90°	25.4	25.7	26.0	26.4	26.7	23.0	19.2	15.5	11.8	9.9	8.9
92.5°	24.3	24.2	24.0	23.9	23.7	23.5	23.3	23.2	23.0	22.9	22.2
95°	48.9	48.9	48.9	48.9	48.9	48.5	48.2	47.8	47.5	47.3	46.5
97.5°	76.3	76.3	76.3	76.3	76.3	75.6	75.0	74.3	73.6	73.3	72.5
100°	105.4	105.4	105.4	105.4	105.4	104.9	104.4	103.9	103.4	103.1	102.4
102.5°	137.3	137.2	137.0	136.9	136.7	136.0	135.3	134.6	133.9	133.6	133.1
105°	169.3	169.0	168.7	168.3	168.0	167.6	167.3	166.9	166.6	166.4	166.1
107.5°	203.0	202.8	202.7	202.5	202.3	202.3	202.3	202.3	202.3	202.3	202.0
110°	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4	237.4	236.9

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	271.3	271.8	272.3	272.8	273.3	273.5	273.7	273.8	274.0	274.1	273.6
115°	307.8	307.9	308.1	308.2	308.4	308.8	309.1	309.5	309.8	310.0	309.5
117.5°	341.6	342.1	342.6	343.1	343.6	344.4	345.3	346.1	347.0	347.4	346.7
120°	377.2	377.2	377.2	377.2	377.2	378.6	379.9	381.3	382.6	383.3	382.6
122.5°	411.8	412.3	412.8	413.3	413.8	414.6	415.5	416.3	417.2	417.6	416.8
125°	446.9	447.4	447.9	448.4	448.9	449.4	449.9	450.4	450.9	451.2	450.4
127.5°	480.5	481.2	481.9	482.6	483.3	484.0	484.6	485.3	486.0	486.3	485.4
130°	516.3	516.6	516.9	517.3	517.6	518.0	518.3	518.7	519.0	519.2	518.1
132.5°	549.3	550.2	551.1	551.9	552.8	552.6	552.4	552.3	552.1	552.0	551.2
135°	584.2	584.3	584.5	584.6	584.8	584.5	584.1	583.8	583.5	583.3	582.4
137.5°	616.2	616.4	616.5	616.7	616.9	616.6	616.2	615.9	615.6	615.4	614.6
140°	649.0	649.0	649.0	649.0	649.0	648.1	647.3	646.4	645.5	645.1	644.3
142.5°	678.6	678.5	678.3	678.2	678.0	677.5	677.0	676.5	676.0	675.7	674.9
145°	708.4	708.2	708.1	707.9	707.7	706.7	705.7	704.7	703.7	703.2	702.6
147.5°	735.0	734.7	734.4	734.0	733.7	733.0	732.3	731.6	730.9	730.6	729.8
150°	760.1	759.6	759.1	758.6	758.1	757.4	756.8	756.1	755.4	755.1	754.6
152.5°	785.3	784.6	783.9	783.3	782.6	781.7	780.9	780.0	779.1	778.7	778.2
155°	805.8	804.9	804.1	803.2	802.4	801.9	801.4	800.9	800.4	800.1	799.8
157.5°	826.2	825.0	823.9	822.7	821.5	821.2	820.8	820.5	820.2	820.0	819.8
160°	843.1	842.1	841.1	840.1	839.1	838.9	838.7	838.6	838.4	838.3	838.1
162.5°	859.1	857.9	856.7	855.5	854.3	854.1	854.0	853.8	853.7	853.6	853.6
165°	872.1	870.9	869.7	868.5	867.3	867.3	867.3	867.3	867.3	867.3	867.4
167.5°	883.5	882.3	881.2	880.0	878.8	878.8	878.8	878.8	878.8	878.8	879.1
170°	892.7	891.5	890.3	889.1	887.9	888.1	888.3	888.4	888.6	888.7	889.0
172.5°	899.5	898.3	897.2	896.0	894.8	895.0	895.2	895.3	895.5	895.6	895.8
175°	904.1	902.9	901.8	900.6	899.4	899.7	900.1	900.4	900.7	900.9	901.2
177.5°	906.5	905.5	904.4	903.4	902.4	902.8	903.1	903.5	903.8	904.0	904.2
180°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	575.2	575.2	575.2	575.2
2.5°	564.6	564.6	571.2	578.3
5°	552.2	555.3	565.9	575.6
7.5°	540.2	545.5	558.8	571.2
10°	525.7	532.7	549.1	563.7
12.5°	511.5	518.1	537.1	553.5
15°	491.6	500.0	520.3	540.7
17.5°	471.7	480.1	504.9	528.7
20°	448.3	459.3	487.2	519.0
22.5°	426.6	440.3	471.3	496.9
25°	402.8	424.0	452.7	485.9
27.5°	381.5	402.8	431.9	465.5
30°	357.7	379.3	409.4	440.3
32.5°	334.7	354.6	383.7	421.8
35°	310.8	329.8	358.1	396.6
37.5°	289.1	307.7	338.6	374.0
40°	267.9	287.4	313.9	349.3
42.5°	248.0	265.3	289.1	324.5
45°	229.9	242.3	264.4	297.5
47.5°	210.9	221.9	242.3	275.4
50°	193.2	202.5	220.2	251.1
52.5°	176.0	183.9	200.3	225.0
55°	160.5	168.0	179.9	204.2
57.5°	144.6	150.3	161.8	181.3
60°	129.1	134.4	143.7	159.6
62.5°	113.6	118.0	126.9	139.7
65°	99.9	103.5	110.1	121.1
67.5°	86.7	88.9	94.2	103.0
70°	73.8	75.6	80.0	87.1
72.5°	60.1	61.9	66.8	71.6
75°	48.6	49.1	52.6	56.6
77.5°	38.0	37.6	40.2	43.3
80°	26.1	27.4	29.6	30.9
82.5°	17.7	18.1	19.0	19.9
85°	9.7	10.2	10.2	11.5
87.5°	4.0	4.4	4.4	4.9
90°	6.9	4.8	2.8	0.8
92.5°	20.9	19.5	18.2	16.8
95°	44.8	43.1	41.4	39.7
97.5°	71.0	69.5	67.9	66.4
100°	101.1	99.7	98.4	97.0
102.5°	132.1	131.0	130.0	129.0
105°	165.6	165.1	164.6	164.1
107.5°	201.3	200.6	200.0	199.3
110°	235.9	234.9	233.9	232.9

TEST NUMBER: P998283

CATALOG NUMBER: SA2XXDIP-B290D725UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	272.6	271.5	270.5	269.5
115°	308.5	307.4	306.4	305.4
117.5°	345.4	344.0	342.7	341.3
120°	381.3	379.9	378.6	377.2
122.5°	415.1	413.4	411.7	410.0
125°	448.9	447.4	445.8	444.3
127.5°	483.5	481.6	479.8	477.9
130°	515.9	513.6	511.4	509.2
132.5°	549.5	547.8	546.1	544.4
135°	580.5	578.6	576.8	574.9
137.5°	613.1	611.6	610.0	608.5
140°	642.8	641.3	639.8	638.3
142.5°	673.4	671.9	670.3	668.8
145°	701.4	700.2	699.0	697.8
147.5°	728.3	726.8	725.3	723.8
150°	753.6	752.5	751.5	750.5
152.5°	777.2	776.2	775.2	774.2
155°	799.3	798.8	798.3	797.8
157.5°	819.5	819.1	818.8	818.4
160°	837.8	837.5	837.1	836.8
162.5°	853.6	853.6	853.6	853.6
165°	867.6	867.7	867.9	868.1
167.5°	879.6	880.1	880.6	881.1
170°	889.5	890.0	890.5	891.0
172.5°	896.3	896.8	897.3	897.8
175°	901.7	902.2	902.7	903.2
177.5°	904.7	905.2	905.7	906.2
180°	904.7	904.7	904.7	904.7

TEST NUMBER: P998283

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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	11.74	12.45	12.83	13.53	15.02	9.23	9.94	10.32	11.03	12.52
	3H	12.54	13.17	13.64	14.27	15.78	10.56	11.20	11.66	12.29	13.80
	4H	12.70	13.30	13.81	14.40	15.91	11.02	11.62	12.13	12.72	14.23
	6H	12.74	13.29	13.86	14.39	15.92	11.32	11.87	12.44	12.97	14.50
	8H	12.71	13.24	13.83	14.35	15.87	11.40	11.92	12.52	13.04	14.56
	12H	12.67	13.17	13.80	14.28	15.82	11.43	11.93	12.56	13.04	14.58
4H	2H	11.76	12.36	12.88	13.46	14.97	9.66	10.26	10.77	11.36	12.87
	3H	12.73	13.23	13.85	14.35	15.88	11.10	11.60	12.23	12.73	14.26
	4H	13.00	13.46	14.13	14.57	16.12	11.63	12.09	12.76	13.21	14.75
	6H	13.12	13.51	14.25	14.65	16.19	12.00	12.40	13.14	13.53	15.07
	8H	13.11	13.48	14.25	14.61	16.16	12.11	12.48	13.25	13.61	15.16
	12H	13.07	13.40	14.22	14.54	16.10	12.16	12.49	13.31	13.63	15.19
8H	4H	12.99	13.36	14.13	14.49	16.05	11.76	12.13	12.90	13.26	14.81
	6H	13.17	13.47	14.32	14.64	16.19	12.19	12.50	13.35	13.67	15.22
	8H	13.20	13.46	14.36	14.61	16.18	12.34	12.61	13.50	13.76	15.33
	12H	13.18	13.41	14.34	14.55	16.16	12.43	12.66	13.59	13.81	15.41
12H	4H	12.94	13.28	14.10	14.42	15.98	11.73	12.06	12.88	13.20	14.76
	6H	13.15	13.41	14.31	14.56	16.13	12.19	12.46	13.35	13.61	15.18
	8H	13.17	13.40	14.34	14.55	16.16	12.34	12.58	13.51	13.72	15.33