

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: P998328

Luminaire Tested: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998328
REPORT IS A COMBINATION OF REPORTS P984068 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

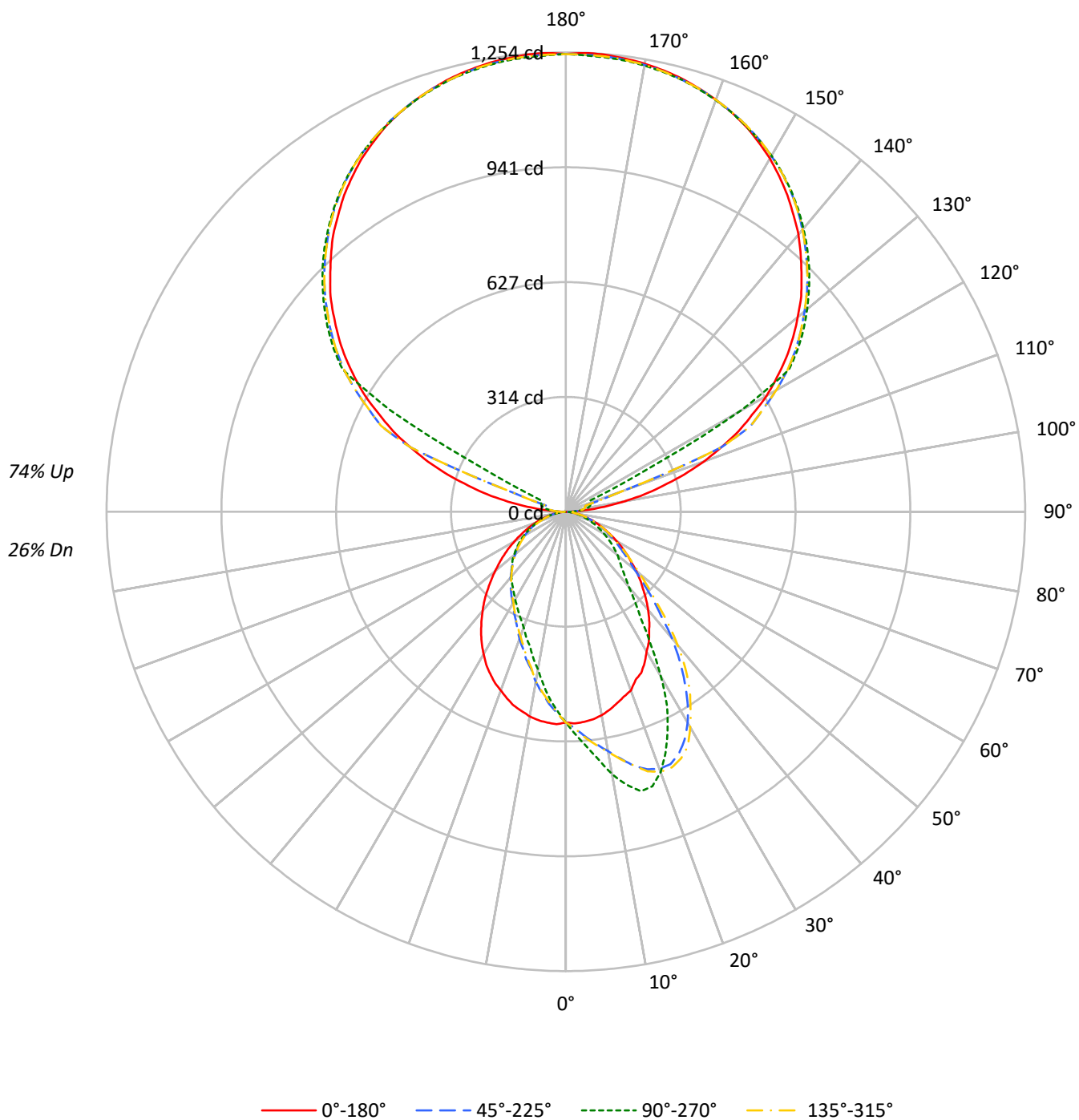
Lumens per Lamp: N/A
Luminaire Lumens: 4934.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34
1	93	89	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29
2	84	78	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	24	23	21
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19
5	65	54	46	41	58	48	42	37	38	33	30	29	25	23	20	18	16
6	60	48	41	35	53	43	37	32	34	30	26	26	23	20	18	16	14
7	55	43	36	31	49	39	33	28	31	26	23	23	20	18	16	14	13
8	51	39	32	27	45	36	29	25	28	24	20	21	18	16	15	13	12
9	47	36	29	24	42	32	26	22	26	21	18	20	17	14	14	12	11
10	44	33	26	21	40	30	24	20	24	19	16	18	15	13	13	11	10

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	1.1
10°-20°	159.5	3.2
20°-30°	231.4	4.7
30°-40°	244.0	4.9
40°-50°	215.9	4.4
50°-60°	172.4	3.5
60°-70°	117.1	2.4
70°-80°	59.9	1.2
80°-90°	16.4	0.3
90°-100°	41.2	0.8
100°-110°	153.6	3.1
110°-120°	407.3	8.3
120°-130°	675.6	13.7
130°-140°	717.6	14.5
140°-150°	666.9	13.5
150°-160°	536.2	10.9
160°-170°	345.5	7.0
170°-180°	118.9	2.4
0°-30°	445.7	9.0
0°-40°	689.6	14.0
0°-60°	1077.9	21.8
0°-90°	1271.2	25.8
90°-120°	602.1	12.2
90°-150°	2662.2	54.0
90°-180°	3663.0	74.2
0°-180°	4934.0	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	24	1	24	1	4
95°	59	39	59	39	59	70
105°	275	69	275	69	275	294
115°	520	74	520	74	520	512
125°	735	773	735	773	735	656
135°	910	939	910	939	910	703
145°	1055	1071	1055	1071	1055	660
155°	1162	1163	1162	1163	1162	535
165°	1224	1221	1224	1221	1224	346
175°	1252	1245	1252	1245	1252	119
180°	1249	1249	1249	1249	1249	

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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°	0.9	3.1	5.3	7.5	9.7	10.8	11.6	13.2	14.9	16.5	18.1
92.5°	22.6	21.8	21.0	20.2	19.4	19.0	19.3	19.9	20.5	21.1	21.7
95°	58.8	52.2	45.5	38.9	32.2	28.9	29.6	31.0	32.5	33.9	35.3
97.5°	105.8	89.3	72.8	56.3	39.8	31.6	33.2	36.4	39.7	42.9	46.1
100°	160.0	132.5	105.0	77.5	50.0	36.2	37.9	41.3	44.7	48.1	51.5
102.5°	219.7	219.3	218.9	218.5	218.1	217.9	199.6	163.0	126.5	89.9	53.3
105°	274.8	280.8	286.9	292.9	299.0	302.0	274.6	219.7	164.8	110.0	55.1
107.5°	339.0	344.0	349.0	354.1	359.1	361.6	327.8	260.1	192.4	124.7	57.0
110°	400.5	404.7	408.9	413.2	417.4	419.5	390.5	332.4	274.3	216.3	158.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	458.4	462.0	465.6	469.2	472.8	474.6	472.9	469.5	466.1	462.7	459.3
115°	519.8	523.2	526.6	530.1	533.5	535.2	537.7	542.7	547.8	552.8	557.8
117.5°	573.2	577.2	581.2	585.2	589.2	591.2	592.9	596.3	599.8	603.2	606.6
120°	632.8	635.8	638.8	641.9	644.9	646.4	648.2	651.8	655.5	659.1	662.7
122.5°	683.5	686.7	689.9	693.1	696.3	697.9	699.9	703.9	708.0	712.0	716.0
125°	735.0	737.6	740.2	742.8	745.4	746.7	748.6	752.4	756.3	760.1	763.9
127.5°	782.0	784.8	787.6	790.5	793.3	794.7	796.2	799.2	802.2	805.2	808.2
130°	826.3	829.5	832.7	836.0	839.2	840.8	841.9	844.1	846.3	848.5	850.7
132.5°	871.5	874.1	876.7	879.4	882.0	883.3	884.4	886.6	888.8	891.0	893.2
135°	909.5	912.7	915.9	919.1	922.3	923.9	924.8	926.6	928.5	930.3	932.1
137.5°	949.3	951.7	954.1	956.5	958.9	960.1	961.1	963.1	965.1	967.1	969.1
140°	988.1	989.7	991.3	993.0	994.6	995.4	996.5	998.7	1000.9	1003.1	1005.3
142.5°	1020.7	1022.1	1023.5	1024.9	1026.3	1027.0	1028.3	1030.9	1033.6	1036.2	1038.8
145°	1055.0	1054.8	1054.6	1054.4	1054.2	1054.1	1055.8	1059.2	1062.7	1066.1	1069.5
147.5°	1084.9	1084.3	1083.7	1083.1	1082.5	1082.2	1083.9	1087.3	1090.7	1094.1	1097.5
150°	1113.8	1112.4	1111.0	1109.6	1108.2	1107.5	1109.1	1112.3	1115.5	1118.7	1121.9
152.5°	1138.2	1136.6	1135.0	1133.4	1131.8	1131.0	1132.5	1135.5	1138.5	1141.5	1144.5
155°	1161.7	1159.9	1158.1	1156.3	1154.5	1153.6	1154.8	1157.2	1159.6	1162.0	1164.4
157.5°	1180.7	1179.1	1177.5	1175.9	1174.3	1173.5	1174.4	1176.2	1178.0	1179.8	1181.6
160°	1197.0	1195.8	1194.6	1193.3	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0
162.5°	1211.4	1210.2	1209.0	1207.8	1206.6	1206.0	1206.5	1207.5	1208.5	1209.5	1210.5
165°	1224.1	1222.9	1221.7	1220.5	1219.3	1218.7	1219.0	1219.6	1220.2	1220.8	1221.4
167.5°	1234.0	1232.8	1231.6	1230.4	1229.2	1228.6	1228.9	1229.5	1230.1	1230.7	1231.3
170°	1242.2	1241.0	1239.8	1238.5	1237.3	1236.7	1236.9	1237.3	1237.8	1238.2	1238.6
172.5°	1247.6	1246.4	1245.2	1244.0	1242.8	1242.2	1242.4	1242.8	1243.2	1243.6	1244.0
175°	1252.1	1250.7	1249.3	1247.9	1246.5	1245.8	1246.0	1246.4	1246.8	1247.2	1247.6
177.5°	1253.9	1252.5	1251.1	1249.7	1248.3	1247.6	1247.7	1247.9	1248.1	1248.3	1248.5
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

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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°	19.1	20.1	21.1	22.1	22.6	22.8	23.2	23.6	24.0	24.4	24.0
92.5°	22.1	22.5	22.9	23.3	23.5	23.6	23.8	24.0	24.2	24.4	24.2
95°	36.3	37.3	38.3	39.3	39.8	39.7	39.5	39.3	39.1	38.9	39.1
97.5°	46.7	47.3	47.9	48.5	48.8	48.9	49.1	49.3	49.5	49.7	49.5
100°	53.1	54.7	56.4	58.0	58.8	59.0	59.4	59.8	60.2	60.6	60.2
102.5°	55.5	57.7	60.0	62.2	63.3	63.6	64.2	64.8	65.4	66.0	65.4
105°	57.3	59.5	61.8	64.0	65.1	65.5	66.3	67.1	67.9	68.7	67.9
107.5°	59.2	61.4	63.6	65.8	66.9	67.3	68.1	68.9	69.7	70.5	69.7
110°	138.1	118.0	97.9	77.8	67.8	68.2	69.0	69.8	70.6	71.4	70.6

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	372.7	286.1	199.5	112.9	69.6	69.9	70.5	71.1	71.7	72.3	71.7
115°	464.8	371.8	278.7	185.7	139.2	132.0	117.5	103.0	88.6	74.1	88.6
117.5°	577.9	549.1	520.4	491.7	477.3	451.0	398.4	345.7	293.1	240.5	293.1
120°	665.1	667.5	669.9	672.3	673.5	659.9	632.8	605.7	578.6	551.5	578.6
122.5°	717.2	718.4	719.6	720.8	721.4	721.5	721.7	721.9	722.1	722.3	722.1
125°	765.3	766.7	768.2	769.6	770.3	770.6	771.2	771.8	772.4	773.0	772.4
127.5°	810.2	812.2	814.3	816.3	817.3	817.4	817.6	817.8	818.0	818.2	818.0
130°	852.9	855.1	857.4	859.6	860.7	860.6	860.4	860.2	860.0	859.8	860.0
132.5°	895.0	896.8	898.6	900.4	901.3	901.2	901.0	900.8	900.6	900.4	900.6
135°	934.1	936.1	938.1	940.1	941.1	940.9	940.5	940.1	939.7	939.3	939.7
137.5°	971.1	973.1	975.2	977.2	978.2	977.9	977.3	976.7	976.1	975.5	976.1
140°	1007.1	1008.9	1010.7	1012.5	1013.4	1012.9	1011.9	1010.9	1009.9	1008.9	1009.9
142.5°	1040.4	1042.0	1043.6	1045.2	1046.0	1045.5	1044.5	1043.5	1042.5	1041.5	1042.5
145°	1070.9	1072.3	1073.7	1075.1	1075.8	1075.3	1074.3	1073.3	1072.3	1071.3	1072.3
147.5°	1098.5	1099.5	1100.5	1101.5	1102.0	1101.6	1100.8	1100.0	1099.2	1098.4	1099.2
150°	1123.1	1124.3	1125.6	1126.8	1127.4	1126.9	1125.9	1124.8	1123.8	1122.8	1123.8
152.5°	1145.7	1146.9	1148.2	1149.4	1150.0	1149.3	1147.9	1146.4	1145.0	1143.6	1145.0
155°	1165.6	1166.8	1168.0	1169.2	1169.8	1169.0	1167.4	1165.8	1164.2	1162.6	1164.2
157.5°	1183.0	1184.4	1185.8	1187.2	1187.9	1187.1	1185.5	1183.9	1182.3	1180.7	1182.3
160°	1198.2	1199.4	1200.6	1201.8	1202.4	1201.7	1200.3	1198.9	1197.5	1196.1	1197.5
162.5°	1211.9	1213.3	1214.8	1216.2	1216.9	1216.0	1214.2	1212.3	1210.5	1208.7	1210.5
165°	1222.8	1224.2	1225.6	1227.0	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1222.8
167.5°	1232.7	1234.1	1235.5	1236.9	1237.6	1236.7	1234.9	1233.1	1231.3	1229.5	1231.3
170°	1240.0	1241.4	1242.8	1244.2	1244.9	1244.0	1242.2	1240.3	1238.5	1236.7	1238.5
172.5°	1245.4	1246.8	1248.2	1249.6	1250.3	1249.4	1247.6	1245.8	1244.0	1242.2	1244.0
175°	1249.0	1250.4	1251.8	1253.2	1253.9	1252.9	1250.9	1248.9	1246.9	1244.9	1246.9
177.5°	1249.9	1251.3	1252.7	1254.1	1254.8	1253.9	1252.1	1250.3	1248.5	1246.7	1248.5
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	23.6	23.2	22.8	22.6	22.1	21.1	20.1	19.1	18.1	16.5	14.9
92.5°	24.0	23.8	23.6	23.5	23.3	22.9	22.5	22.1	21.7	21.1	20.5
95°	39.3	39.5	39.7	39.8	39.3	38.3	37.3	36.3	35.3	33.9	32.5
97.5°	49.3	49.1	48.9	48.8	48.5	47.9	47.3	46.7	46.1	42.9	39.7
100°	59.8	59.4	59.0	58.8	58.0	56.4	54.7	53.1	51.5	48.1	44.7
102.5°	64.8	64.2	63.6	63.3	62.2	60.0	57.7	55.5	53.3	49.9	46.5
105°	67.1	66.3	65.5	65.1	64.0	61.8	59.5	57.3	55.1	51.0	47.8
107.5°	68.9	68.1	67.3	66.9	65.8	63.6	61.4	59.2	57.0	52.7	49.5
110°	69.8	69.0	68.2	67.8	77.8	97.9	118.0	138.1	158.2	216.3	274.3

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	71.1	70.5	69.9	69.6	112.9	199.5	286.1	372.7	459.3	462.7	466.1
115°	103.0	117.5	132.0	139.2	185.7	278.7	371.8	464.8	557.8	552.8	547.8
117.5°	345.7	398.4	451.0	477.3	491.7	520.4	549.1	577.9	606.6	603.2	599.8
120°	605.7	632.8	659.9	673.5	672.3	669.9	667.5	665.1	662.7	659.1	655.5
122.5°	721.9	721.7	721.5	721.4	720.8	719.6	718.4	717.2	716.0	712.0	708.0
125°	771.8	771.2	770.6	770.3	769.6	768.2	766.7	765.3	763.9	760.1	756.3
127.5°	817.8	817.6	817.4	817.3	816.3	814.3	812.2	810.2	808.2	805.2	802.2
130°	860.2	860.4	860.6	860.7	859.6	857.4	855.1	852.9	850.7	848.5	846.3
132.5°	900.8	901.0	901.2	901.3	900.4	898.6	896.8	895.0	893.2	891.0	888.8
135°	940.1	940.5	940.9	941.1	940.1	938.1	936.1	934.1	932.1	930.3	928.5
137.5°	976.7	977.3	977.9	978.2	977.2	975.2	973.1	971.1	969.1	967.1	965.1
140°	1010.9	1011.9	1012.9	1013.4	1012.5	1010.7	1008.9	1007.1	1005.3	1003.1	1000.9
142.5°	1043.5	1044.5	1045.5	1046.0	1045.2	1043.6	1042.0	1040.4	1038.8	1036.2	1033.6
145°	1073.3	1074.3	1075.3	1075.8	1075.1	1073.7	1072.3	1070.9	1069.5	1066.1	1062.7
147.5°	1100.0	1100.8	1101.6	1102.0	1101.5	1100.5	1099.5	1098.5	1097.5	1094.1	1090.7
150°	1124.8	1125.9	1126.9	1127.4	1126.8	1125.6	1124.3	1123.1	1121.9	1118.7	1115.5
152.5°	1146.4	1147.9	1149.3	1150.0	1149.4	1148.2	1146.9	1145.7	1144.5	1141.5	1138.5
155°	1165.8	1167.4	1169.0	1169.8	1169.2	1168.0	1166.8	1165.6	1164.4	1162.0	1159.6
157.5°	1183.9	1185.5	1187.1	1187.9	1187.2	1185.8	1184.4	1183.0	1181.6	1179.8	1178.0
160°	1198.9	1200.3	1201.7	1202.4	1201.8	1200.6	1199.4	1198.2	1197.0	1195.8	1194.6
162.5°	1212.3	1214.2	1216.0	1216.9	1216.2	1214.8	1213.3	1211.9	1210.5	1209.5	1208.5
165°	1224.2	1225.6	1227.0	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1220.8	1220.2
167.5°	1233.1	1234.9	1236.7	1237.6	1236.9	1235.5	1234.1	1232.7	1231.3	1230.7	1230.1
170°	1240.3	1242.2	1244.0	1244.9	1244.2	1242.8	1241.4	1240.0	1238.6	1238.2	1237.8
172.5°	1245.8	1247.6	1249.4	1250.3	1249.6	1248.2	1246.8	1245.4	1244.0	1243.6	1243.2
175°	1248.9	1250.9	1252.9	1253.9	1253.2	1251.8	1250.4	1249.0	1247.6	1247.2	1246.8
177.5°	1250.3	1252.1	1253.9	1254.8	1254.1	1252.7	1251.3	1249.9	1248.5	1248.3	1248.1
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	13.2	11.6	10.8	9.7	7.5	5.3	3.1	0.9	3.1	5.3	7.5
92.5°	19.9	19.3	19.0	19.4	20.2	21.0	21.8	22.6	21.8	21.0	20.2
95°	31.0	29.6	28.9	32.2	38.9	45.5	52.2	58.8	52.2	45.5	38.9
97.5°	36.4	33.2	31.6	39.8	56.3	72.8	89.3	105.8	89.3	72.8	56.3
100°	41.3	37.9	36.2	50.0	77.5	105.0	132.5	160.0	132.5	105.0	77.5
102.5°	163.0	199.6	217.9	218.1	218.5	218.9	219.3	219.7	219.3	218.9	218.5
105°	219.7	274.6	302.0	299.0	292.9	286.9	280.8	274.8	280.8	286.9	292.9
107.5°	260.1	327.8	361.6	359.1	354.1	349.0	344.0	339.0	344.0	349.0	354.1
110°	332.4	390.5	419.5	417.4	413.2	408.9	404.7	400.5	404.7	408.9	413.2

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	469.5	472.9	474.6	472.8	469.2	465.6	462.0	458.4	462.0	465.6	469.2
115°	542.7	537.7	535.2	533.5	530.1	526.6	523.2	519.8	523.2	526.6	530.1
117.5°	596.3	592.9	591.2	589.2	585.2	581.2	577.2	573.2	577.2	581.2	585.2
120°	651.8	648.2	646.4	644.9	641.9	638.8	635.8	632.8	635.8	638.8	641.9
122.5°	703.9	699.9	697.9	696.3	693.1	689.9	686.7	683.5	686.7	689.9	693.1
125°	752.4	748.6	746.7	745.4	742.8	740.2	737.6	735.0	737.6	740.2	742.8
127.5°	799.2	796.2	794.7	793.3	790.5	787.6	784.8	782.0	784.8	787.6	790.5
130°	844.1	841.9	840.8	839.2	836.0	832.7	829.5	826.3	829.5	832.7	836.0
132.5°	886.6	884.4	883.3	882.0	879.4	876.7	874.1	871.5	874.1	876.7	879.4
135°	926.6	924.8	923.9	922.3	919.1	915.9	912.7	909.5	912.7	915.9	919.1
137.5°	963.1	961.1	960.1	958.9	956.5	954.1	951.7	949.3	951.7	954.1	956.5
140°	998.7	996.5	995.4	994.6	993.0	991.3	989.7	988.1	989.7	991.3	993.0
142.5°	1030.9	1028.3	1027.0	1026.3	1024.9	1023.5	1022.1	1020.7	1022.1	1023.5	1024.9
145°	1059.2	1055.8	1054.1	1054.2	1054.4	1054.6	1054.8	1055.0	1054.8	1054.6	1054.4
147.5°	1087.3	1083.9	1082.2	1082.5	1083.1	1083.7	1084.3	1084.9	1084.3	1083.7	1083.1
150°	1112.3	1109.1	1107.5	1108.2	1109.6	1111.0	1112.4	1113.8	1112.4	1111.0	1109.6
152.5°	1135.5	1132.5	1131.0	1131.8	1133.4	1135.0	1136.6	1138.2	1136.6	1135.0	1133.4
155°	1157.2	1154.8	1153.6	1154.5	1156.3	1158.1	1159.9	1161.7	1159.9	1158.1	1156.3
157.5°	1176.2	1174.4	1173.5	1174.3	1175.9	1177.5	1179.1	1180.7	1179.1	1177.5	1175.9
160°	1193.3	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0	1195.8	1194.6	1193.3
162.5°	1207.5	1206.5	1206.0	1206.6	1207.8	1209.0	1210.2	1211.4	1210.2	1209.0	1207.8
165°	1219.6	1219.0	1218.7	1219.3	1220.5	1221.7	1222.9	1224.1	1222.9	1221.7	1220.5
167.5°	1229.5	1228.9	1228.6	1229.2	1230.4	1231.6	1232.8	1234.0	1232.8	1231.6	1230.4
170°	1237.3	1236.9	1236.7	1237.3	1238.5	1239.8	1241.0	1242.2	1241.0	1239.8	1238.5
172.5°	1242.8	1242.4	1242.2	1242.8	1244.0	1245.2	1246.4	1247.6	1246.4	1245.2	1244.0
175°	1246.4	1246.0	1245.8	1246.5	1247.9	1249.3	1250.7	1252.1	1250.7	1249.3	1247.9
177.5°	1247.9	1247.7	1247.6	1248.3	1249.7	1251.1	1252.5	1253.9	1252.5	1251.1	1249.7
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	9.7	10.8	11.6	13.2	14.9	16.5	18.1	19.1	20.1	21.1	22.1
92.5°	19.4	19.0	19.3	19.9	20.5	21.1	21.7	22.1	22.5	22.9	23.3
95°	32.2	28.9	29.6	31.0	32.5	33.9	35.3	36.3	37.3	38.3	39.3
97.5°	39.8	31.6	33.2	36.4	39.7	42.9	46.1	46.7	47.3	47.9	48.5
100°	50.0	36.2	37.9	41.3	44.7	48.1	51.5	53.1	54.7	56.4	58.0
102.5°	218.1	217.9	199.6	163.0	126.5	89.9	53.3	55.5	57.7	60.0	62.2
105°	299.0	302.0	274.6	219.7	164.8	110.0	55.1	57.3	59.5	61.8	64.0
107.5°	359.1	361.6	327.8	260.1	192.4	124.7	57.0	59.2	61.4	63.6	65.8
110°	417.4	419.5	390.5	332.4	274.3	216.3	158.2	138.1	118.0	97.9	77.8

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	472.8	474.6	472.9	469.5	466.1	462.7	459.3	372.7	286.1	199.5	112.9
115°	533.5	535.2	537.7	542.7	547.8	552.8	557.8	464.8	371.8	278.7	185.7
117.5°	589.2	591.2	592.9	596.3	599.8	603.2	606.6	577.9	549.1	520.4	491.7
120°	644.9	646.4	648.2	651.8	655.5	659.1	662.7	665.1	667.5	669.9	672.3
122.5°	696.3	697.9	699.9	703.9	708.0	712.0	716.0	717.2	718.4	719.6	720.8
125°	745.4	746.7	748.6	752.4	756.3	760.1	763.9	765.3	766.7	768.2	769.6
127.5°	793.3	794.7	796.2	799.2	802.2	805.2	808.2	810.2	812.2	814.3	816.3
130°	839.2	840.8	841.9	844.1	846.3	848.5	850.7	852.9	855.1	857.4	859.6
132.5°	882.0	883.3	884.4	886.6	888.8	891.0	893.2	895.0	896.8	898.6	900.4
135°	922.3	923.9	924.8	926.6	928.5	930.3	932.1	934.1	936.1	938.1	940.1
137.5°	958.9	960.1	961.1	963.1	965.1	967.1	969.1	971.1	973.1	975.2	977.2
140°	994.6	995.4	996.5	998.7	1000.9	1003.1	1005.3	1007.1	1008.9	1010.7	1012.5
142.5°	1026.3	1027.0	1028.3	1030.9	1033.6	1036.2	1038.8	1040.4	1042.0	1043.6	1045.2
145°	1054.2	1054.1	1055.8	1059.2	1062.7	1066.1	1069.5	1070.9	1072.3	1073.7	1075.1
147.5°	1082.5	1082.2	1083.9	1087.3	1090.7	1094.1	1097.5	1098.5	1099.5	1100.5	1101.5
150°	1108.2	1107.5	1109.1	1112.3	1115.5	1118.7	1121.9	1123.1	1124.3	1125.6	1126.8
152.5°	1131.8	1131.0	1132.5	1135.5	1138.5	1141.5	1144.5	1145.7	1146.9	1148.2	1149.4
155°	1154.5	1153.6	1154.8	1157.2	1159.6	1162.0	1164.4	1165.6	1166.8	1168.0	1169.2
157.5°	1174.3	1173.5	1174.4	1176.2	1178.0	1179.8	1181.6	1183.0	1184.4	1185.8	1187.2
160°	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0	1198.2	1199.4	1200.6	1201.8
162.5°	1206.6	1206.0	1206.5	1207.5	1208.5	1209.5	1210.5	1211.9	1213.3	1214.8	1216.2
165°	1219.3	1218.7	1219.0	1219.6	1220.2	1220.8	1221.4	1222.8	1224.2	1225.6	1227.0
167.5°	1229.2	1228.6	1228.9	1229.5	1230.1	1230.7	1231.3	1232.7	1234.1	1235.5	1236.9
170°	1237.3	1236.7	1236.9	1237.3	1237.8	1238.2	1238.6	1240.0	1241.4	1242.8	1244.2
172.5°	1242.8	1242.2	1242.4	1242.8	1243.2	1243.6	1244.0	1245.4	1246.8	1248.2	1249.6
175°	1246.5	1245.8	1246.0	1246.4	1246.8	1247.2	1247.6	1249.0	1250.4	1251.8	1253.2
177.5°	1248.3	1247.6	1247.7	1247.9	1248.1	1248.3	1248.5	1249.9	1251.3	1252.7	1254.1
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	22.6	22.8	23.2	23.6	24.0	24.4	24.0	23.6	23.2	22.8	22.6
92.5°	23.5	23.6	23.8	24.0	24.2	24.4	24.2	24.0	23.8	23.6	23.5
95°	39.8	39.7	39.5	39.3	39.1	38.9	39.1	39.3	39.5	39.7	39.8
97.5°	48.8	48.9	49.1	49.3	49.5	49.7	49.5	49.3	49.1	48.9	48.8
100°	58.8	59.0	59.4	59.8	60.2	60.6	60.2	59.8	59.4	59.0	58.8
102.5°	63.3	63.6	64.2	64.8	65.4	66.0	65.4	64.8	64.2	63.6	63.3
105°	65.1	65.5	66.3	67.1	67.9	68.7	67.9	67.1	66.3	65.5	65.1
107.5°	66.9	67.3	68.1	68.9	69.7	70.5	69.7	68.9	68.1	67.3	66.9
110°	67.8	68.2	69.0	69.8	70.6	71.4	70.6	69.8	69.0	68.2	67.8

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	69.6	69.9	70.5	71.1	71.7	72.3	71.7	71.1	70.5	69.9	69.6
115°	139.2	132.0	117.5	103.0	88.6	74.1	88.6	103.0	117.5	132.0	139.2
117.5°	477.3	451.0	398.4	345.7	293.1	240.5	293.1	345.7	398.4	451.0	477.3
120°	673.5	659.9	632.8	605.7	578.6	551.5	578.6	605.7	632.8	659.9	673.5
122.5°	721.4	721.5	721.7	721.9	722.1	722.3	722.1	721.9	721.7	721.5	721.4
125°	770.3	770.6	771.2	771.8	772.4	773.0	772.4	771.8	771.2	770.6	770.3
127.5°	817.3	817.4	817.6	817.8	818.0	818.2	818.0	817.8	817.6	817.4	817.3
130°	860.7	860.6	860.4	860.2	860.0	859.8	860.0	860.2	860.4	860.6	860.7
132.5°	901.3	901.2	901.0	900.8	900.6	900.4	900.6	900.8	901.0	901.2	901.3
135°	941.1	940.9	940.5	940.1	939.7	939.3	939.7	940.1	940.5	940.9	941.1
137.5°	978.2	977.9	977.3	976.7	976.1	975.5	976.1	976.7	977.3	977.9	978.2
140°	1013.4	1012.9	1011.9	1010.9	1009.9	1008.9	1009.9	1010.9	1011.9	1012.9	1013.4
142.5°	1046.0	1045.5	1044.5	1043.5	1042.5	1041.5	1042.5	1043.5	1044.5	1045.5	1046.0
145°	1075.8	1075.3	1074.3	1073.3	1072.3	1071.3	1072.3	1073.3	1074.3	1075.3	1075.8
147.5°	1102.0	1101.6	1100.8	1100.0	1099.2	1098.4	1099.2	1100.0	1100.8	1101.6	1102.0
150°	1127.4	1126.9	1125.9	1124.8	1123.8	1122.8	1123.8	1124.8	1125.9	1126.9	1127.4
152.5°	1150.0	1149.3	1147.9	1146.4	1145.0	1143.6	1145.0	1146.4	1147.9	1149.3	1150.0
155°	1169.8	1169.0	1167.4	1165.8	1164.2	1162.6	1164.2	1165.8	1167.4	1169.0	1169.8
157.5°	1187.9	1187.1	1185.5	1183.9	1182.3	1180.7	1182.3	1183.9	1185.5	1187.1	1187.9
160°	1202.4	1201.7	1200.3	1198.9	1197.5	1196.1	1197.5	1198.9	1200.3	1201.7	1202.4
162.5°	1216.9	1216.0	1214.2	1212.3	1210.5	1208.7	1210.5	1212.3	1214.2	1216.0	1216.9
165°	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1222.8	1224.2	1225.6	1227.0	1227.7
167.5°	1237.6	1236.7	1234.9	1233.1	1231.3	1229.5	1231.3	1233.1	1234.9	1236.7	1237.6
170°	1244.9	1244.0	1242.2	1240.3	1238.5	1236.7	1238.5	1240.3	1242.2	1244.0	1244.9
172.5°	1250.3	1249.4	1247.6	1245.8	1244.0	1242.2	1244.0	1245.8	1247.6	1249.4	1250.3
175°	1253.9	1252.9	1250.9	1248.9	1246.9	1244.9	1246.9	1248.9	1250.9	1252.9	1253.9
177.5°	1254.8	1253.9	1252.1	1250.3	1248.5	1246.7	1248.5	1250.3	1252.1	1253.9	1254.8
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	22.1	21.1	20.1	19.1	18.1	16.5	14.9	13.2	11.6	10.8	9.7
92.5°	23.3	22.9	22.5	22.1	21.7	21.1	20.5	19.9	19.3	19.0	19.4
95°	39.3	38.3	37.3	36.3	35.3	33.9	32.5	31.0	29.6	28.9	32.2
97.5°	48.5	47.9	47.3	46.7	46.1	42.9	39.7	36.4	33.2	31.6	39.8
100°	58.0	56.4	54.7	53.1	51.5	48.1	44.7	41.3	37.9	36.2	50.0
102.5°	62.2	60.0	57.7	55.5	53.3	49.9	46.5	43.0	39.6	37.9	51.1
105°	64.0	61.8	59.5	57.3	55.1	51.0	46.8	42.7	38.6	36.0	52.0
107.5°	65.8	63.6	61.4	59.2	57.0	52.7	48.4	44.1	39.8	37.1	52.9
110°	77.8	97.9	118.0	138.1	158.2	216.3	274.3	332.4	390.5	419.5	417.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	112.9	199.5	286.1	372.7	459.3	462.7	466.1	469.5	472.9	474.6	472.8
115°	185.7	278.7	371.8	464.8	557.8	552.8	547.8	542.7	537.7	535.2	533.5
117.5°	491.7	520.4	549.1	577.9	606.6	603.2	599.8	596.3	592.9	591.2	589.2
120°	672.3	669.9	667.5	665.1	662.7	659.1	655.5	651.8	648.2	646.4	644.9
122.5°	720.8	719.6	718.4	717.2	716.0	712.0	708.0	703.9	699.9	697.9	696.3
125°	769.6	768.2	766.7	765.3	763.9	760.1	756.3	752.4	748.6	746.7	745.4
127.5°	816.3	814.3	812.2	810.2	808.2	805.2	802.2	799.2	796.2	794.7	793.3
130°	859.6	857.4	855.1	852.9	850.7	848.5	846.3	844.1	841.9	840.8	839.2
132.5°	900.4	898.6	896.8	895.0	893.2	891.0	888.8	886.6	884.4	883.3	882.0
135°	940.1	938.1	936.1	934.1	932.1	930.3	928.5	926.6	924.8	923.9	922.3
137.5°	977.2	975.2	973.1	971.1	969.1	967.1	965.1	963.1	961.1	960.1	958.9
140°	1012.5	1010.7	1008.9	1007.1	1005.3	1003.1	1000.9	998.7	996.5	995.4	994.6
142.5°	1045.2	1043.6	1042.0	1040.4	1038.8	1036.2	1033.6	1030.9	1028.3	1027.0	1026.3
145°	1075.1	1073.7	1072.3	1070.9	1069.5	1066.1	1062.7	1059.2	1055.8	1054.1	1054.2
147.5°	1101.5	1100.5	1099.5	1098.5	1097.5	1094.1	1090.7	1087.3	1083.9	1082.2	1082.5
150°	1126.8	1125.6	1124.3	1123.1	1121.9	1118.7	1115.5	1112.3	1109.1	1107.5	1108.2
152.5°	1149.4	1148.2	1146.9	1145.7	1144.5	1141.5	1138.5	1135.5	1132.5	1131.0	1131.8
155°	1169.2	1168.0	1166.8	1165.6	1164.4	1162.0	1159.6	1157.2	1154.8	1153.6	1154.5
157.5°	1187.2	1185.8	1184.4	1183.0	1181.6	1179.8	1178.0	1176.2	1174.4	1173.5	1174.3
160°	1201.8	1200.6	1199.4	1198.2	1197.0	1195.8	1194.6	1193.3	1192.1	1191.5	1192.1
162.5°	1216.2	1214.8	1213.3	1211.9	1210.5	1209.5	1208.5	1207.5	1206.5	1206.0	1206.6
165°	1227.0	1225.6	1224.2	1222.8	1221.4	1220.8	1220.2	1219.6	1219.0	1218.7	1219.3
167.5°	1236.9	1235.5	1234.1	1232.7	1231.3	1230.7	1230.1	1229.5	1228.9	1228.6	1229.2
170°	1244.2	1242.8	1241.4	1240.0	1238.6	1238.2	1237.8	1237.3	1236.9	1236.7	1237.3
172.5°	1249.6	1248.2	1246.8	1245.4	1244.0	1243.6	1243.2	1242.8	1242.4	1242.2	1242.8
175°	1253.2	1251.8	1250.4	1249.0	1247.6	1247.2	1246.8	1246.4	1246.0	1245.8	1246.5
177.5°	1254.1	1252.7	1251.3	1249.9	1248.5	1248.3	1248.1	1247.9	1247.7	1247.6	1248.3
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	7.5	5.3	3.1	0.9
92.5°	20.2	21.0	21.8	22.6
95°	38.9	45.5	52.2	58.8
97.5°	56.3	72.8	89.3	105.8
100°	77.5	105.0	132.5	160.0
102.5°	218.5	218.9	219.3	219.7
105°	292.9	286.9	280.8	274.8
107.5°	354.1	349.0	344.0	339.0
110°	413.2	408.9	404.7	400.5

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	469.2	465.6	462.0	458.4
115°	530.1	526.6	523.2	519.8
117.5°	585.2	581.2	577.2	573.2
120°	641.9	638.8	635.8	632.8
122.5°	693.1	689.9	686.7	683.5
125°	742.8	740.2	737.6	735.0
127.5°	790.5	787.6	784.8	782.0
130°	836.0	832.7	829.5	826.3
132.5°	879.4	876.7	874.1	871.5
135°	919.1	915.9	912.7	909.5
137.5°	956.5	954.1	951.7	949.3
140°	993.0	991.3	989.7	988.1
142.5°	1024.9	1023.5	1022.1	1020.7
145°	1054.4	1054.6	1054.8	1055.0
147.5°	1083.1	1083.7	1084.3	1084.9
150°	1109.6	1111.0	1112.4	1113.8
152.5°	1133.4	1135.0	1136.6	1138.2
155°	1156.3	1158.1	1159.9	1161.7
157.5°	1175.9	1177.5	1179.1	1180.7
160°	1193.3	1194.6	1195.8	1197.0
162.5°	1207.8	1209.0	1210.2	1211.4
165°	1220.5	1221.7	1222.9	1224.1
167.5°	1230.4	1231.6	1232.8	1234.0
170°	1238.5	1239.8	1241.0	1242.2
172.5°	1244.0	1245.2	1246.4	1247.6
175°	1247.9	1249.3	1250.7	1252.1
177.5°	1249.7	1251.1	1252.5	1253.9
180°	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998328

CATALOG NUMBER: SA2XXDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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	10.67	11.33	11.81	12.46	14.04	8.16	8.82	9.30	9.95	11.54
	3H	11.46	12.06	12.62	13.20	14.79	9.49	10.08	10.64	11.22	12.82
	4H	11.62	12.19	12.78	13.33	14.93	9.94	10.51	11.10	11.65	13.25
	6H	11.66	12.18	12.83	13.32	14.93	10.24	10.76	11.41	11.90	13.51
	8H	11.63	12.12	12.80	13.28	14.89	10.32	10.81	11.49	11.97	13.57
	12H	11.59	12.05	12.76	13.21	14.83	10.35	10.82	11.53	11.97	13.60
4H	2H	10.68	11.25	11.85	12.39	13.99	8.58	9.14	9.75	10.28	11.89
	3H	11.65	12.12	12.82	13.28	14.89	10.02	10.49	11.20	11.66	13.27
	4H	11.92	12.35	13.09	13.50	15.13	10.55	10.98	11.73	12.14	13.77
	6H	12.03	12.40	13.21	13.58	15.20	10.92	11.29	12.10	12.47	14.09
	8H	12.03	12.37	13.21	13.54	15.18	11.03	11.37	12.21	12.54	14.18
	12H	11.98	12.30	13.18	13.48	15.12	11.07	11.39	12.27	12.56	14.21
8H	4H	11.91	12.25	13.09	13.42	15.06	10.68	11.02	11.86	12.19	13.83
	6H	12.08	12.36	13.28	13.58	15.21	11.11	11.39	12.30	12.60	14.24
	8H	12.11	12.36	13.31	13.54	15.20	11.26	11.50	12.46	12.69	14.35
	12H	12.09	12.30	13.29	13.49	15.18	11.34	11.56	12.55	12.74	14.43
12H	4H	11.86	12.17	13.05	13.35	14.99	10.64	10.96	11.84	12.13	13.78
	6H	12.06	12.31	13.26	13.49	15.15	11.11	11.35	12.31	12.54	14.20
	8H	12.08	12.30	13.29	13.48	15.17	11.25	11.47	12.46	12.66	14.34