

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: P998090

Luminaire Tested: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998090
REPORT IS A COMBINATION OF REPORTS P983827 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

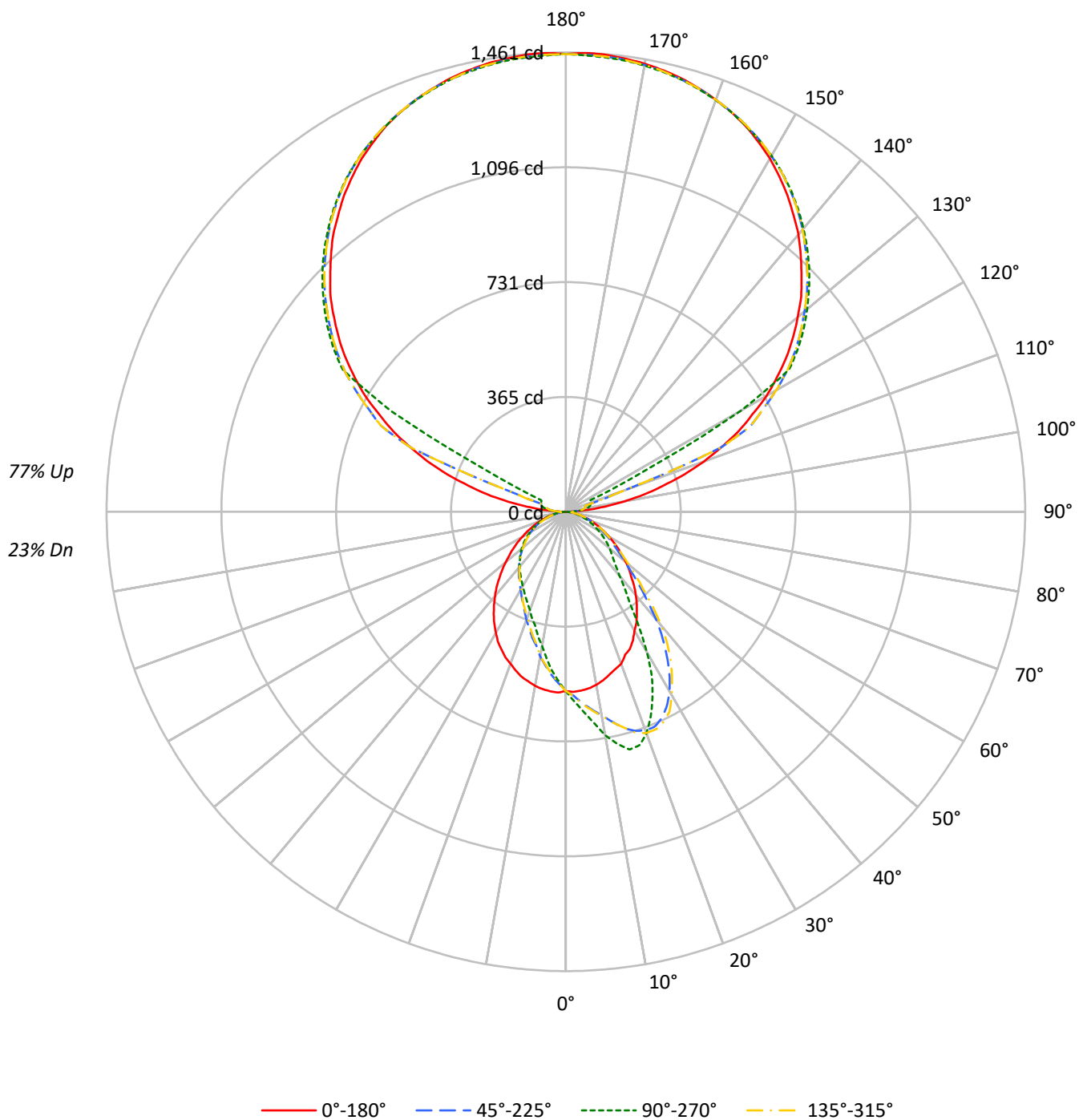
Lumens per Lamp: N/A
Luminaire Lumens: 5528.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 48
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



TEST NUMBER: P998090

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23		
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20		
2	84	77	71	66	74	68	64	60	53	50	47	38	36	34	25	24	23	17		
3	77	68	61	55	68	60	55	50	47	43	40	34	31	29	22	21	20	14		
4	70	60	53	47	62	54	47	42	41	37	34	30	28	25	20	18	17	13		
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	16	15	11		
6	59	48	40	35	52	43	36	31	33	29	25	25	22	19	16	15	13	10		
7	55	43	35	30	48	39	32	28	30	26	22	22	19	17	15	13	12	9		
8	51	39	32	27	45	35	29	24	27	23	20	20	17	15	14	12	11	8		
9	47	35	28	24	42	32	26	22	25	21	17	19	16	14	13	11	10	7		
10	44	32	26	21	39	29	23	19	23	19	16	17	14	12	12	10	9	7		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9026	9026	9026	9026
5°	9047	9623	9082	7656
10°	8942	10506	8998	6312
15°	8725	11080	8846	5317
20°	8589	10405	8589	4622
25°	8316	8938	8353	4132
30°	7865	7027	8014	3744
35°	7466	4859	7591	3424
40°	7007	3669	7088	3171
45°	6443	3015	6548	2896
50°	5952	2646	5964	2652
55°	5396	2254	5430	2386
60°	4801	1883	4867	2082
65°	4269	1532	4348	1779
70°	3737	1201	3833	1435
75°	3138	873	3261	1039
80°	2451	553	2627	618
85°	1610	277	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.0
10°-20°	158.1	2.9
20°-30°	229.4	4.1
30°-40°	241.8	4.4
40°-50°	214.0	3.9
50°-60°	170.9	3.1
60°-70°	116.1	2.1
70°-80°	59.4	1.1
80°-90°	16.6	0.3
90°-100°	48.0	0.9
100°-110°	178.9	3.2
110°-120°	474.6	8.6
120°-130°	787.1	14.2
130°-140°	836.1	15.1
140°-150°	777.0	14.1
150°-160°	624.7	11.3
160°-170°	402.5	7.3
170°-180°	138.5	2.5
0°-30°	441.8	8.0
0°-40°	683.6	12.4
0°-60°	1068.5	19.3
0°-90°	1260.6	22.8
90°-120°	701.5	12.7
90°-150°	3101.6	56.1
90°-180°	4267.0	77.2
0°-180°	5528.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	570	570	570	570	570	
5°	571	637	573	507	571	54
15°	536	783	543	376	536	151
25°	482	652	484	302	482	220
35°	393	355	400	250	393	246
45°	295	214	300	206	295	229
55°	202	150	204	159	202	181
65°	120	92	122	107	120	119
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	28	1	28	1	5
95°	68	45	68	45	68	81
105°	320	80	320	80	320	342
115°	606	86	606	86	606	596
125°	856	901	856	901	856	764
135°	1060	1094	1060	1094	1060	819
145°	1229	1248	1229	1248	1229	769
155°	1354	1354	1354	1354	1354	624
165°	1426	1423	1426	1423	1426	403
175°	1459	1450	1459	1450	1459	139
180°	1456	1456	1456	1456	1456	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	573.3	574.6	576.8	577.2	581.6	585.1	589.0	589.0	590.3	589.9	586.4
5°	570.6	574.6	580.3	585.1	593.0	596.5	601.7	605.7	609.2	611.8	611.4
7.5°	566.2	573.3	581.6	590.8	601.3	607.4	614.9	621.9	626.7	631.1	634.2
10°	558.8	570.6	582.0	594.3	607.9	616.2	625.0	634.2	641.6	649.9	657.8
12.5°	548.7	565.8	579.8	596.0	612.7	621.9	635.9	642.9	657.4	678.4	684.1
15°	536.0	559.2	572.4	593.0	614.9	622.3	641.6	653.0	682.8	696.0	711.7
17.5°	524.2	550.0	567.6	591.2	612.7	627.2	646.0	669.2	694.2	713.1	730.6
20°	514.5	539.5	560.5	586.8	614.0	632.4	652.1	680.2	707.4	726.6	740.2
22.5°	492.6	524.6	549.1	578.5	611.4	636.8	655.6	686.3	715.7	727.5	739.4
25°	481.7	509.3	537.8	571.1	609.6	639.9	656.1	690.3	716.1	720.5	723.1
27.5°	461.5	492.6	525.9	564.0	609.2	634.6	655.2	686.3	706.9	703.9	696.0
30°	436.5	474.6	511.5	552.7	603.1	630.7	649.9	678.4	689.0	673.2	659.2
32.5°	418.1	454.0	494.8	542.6	596.0	622.3	641.2	663.5	665.7	637.2	613.6
35°	393.1	433.0	479.0	529.4	584.2	607.9	625.4	639.0	628.5	588.6	560.5
37.5°	370.8	410.2	459.3	510.6	568.0	591.2	605.2	607.4	581.6	546.5	505.3
40°	346.2	387.0	438.3	492.2	550.0	570.2	578.9	572.4	535.1	494.4	446.6
42.5°	321.7	362.0	417.2	472.5	527.2	544.3	547.8	529.9	484.3	436.5	381.3
45°	295.0	337.0	392.2	447.9	500.9	510.6	511.0	485.2	431.3	381.3	330.0
47.5°	273.0	312.0	366.8	422.5	467.2	473.8	471.1	441.3	382.6	326.5	281.8
50°	248.9	286.2	340.5	395.3	433.4	435.2	428.6	386.1	328.7	277.4	241.9
52.5°	223.1	260.8	310.7	363.3	397.5	394.9	382.2	336.6	282.7	240.2	213.0
55°	202.5	235.8	282.7	334.0	358.1	350.6	336.6	290.1	247.6	211.7	188.0
57.5°	179.7	209.1	255.1	299.8	313.8	306.8	292.8	249.4	209.9	182.8	167.0
60°	158.2	184.9	225.3	262.5	273.5	266.0	249.8	210.8	182.3	159.5	147.7
62.5°	138.5	161.7	195.5	229.7	234.0	226.6	212.6	181.0	156.5	138.5	129.7
65°	120.1	142.0	169.2	195.0	199.0	191.1	176.6	153.8	133.2	121.8	113.5
67.5°	102.1	119.6	143.8	162.6	164.8	157.3	145.5	127.1	114.4	102.1	96.0
70°	86.3	99.5	118.3	133.7	134.5	127.5	121.4	104.7	95.1	86.3	81.5
72.5°	71.0	80.2	94.7	106.1	106.5	102.1	96.4	85.9	77.6	71.4	66.6
75°	56.1	64.0	72.8	82.8	82.4	78.9	74.5	67.9	60.9	57.0	54.8
77.5°	43.0	47.8	54.8	61.4	61.4	59.6	57.0	52.2	47.8	43.8	41.6
80°	30.7	33.7	39.4	41.6	42.5	42.1	39.9	36.4	34.6	31.6	30.7
82.5°	19.7	21.9	24.5	26.7	28.0	27.2	26.7	25.0	22.4	21.5	20.6
85°	11.4	12.3	13.6	14.9	15.3	14.9	15.8	14.5	13.1	13.1	12.7
87.5°	4.8	5.3	6.1	6.1	6.6	6.6	6.1	6.6	6.6	6.1	5.7
90°	1.1	3.7	6.2	8.8	11.3	12.6	13.5	15.4	17.3	19.2	21.1
92.5°	26.3	25.4	24.4	23.5	22.6	22.1	22.5	23.2	23.9	24.6	25.3
95°	68.5	60.8	53.0	45.3	37.6	33.7	34.5	36.2	37.8	39.5	41.1
97.5°	123.2	104.0	84.8	65.7	46.5	36.9	38.8	42.5	46.2	50.0	53.7
100°	186.4	154.3	122.3	90.2	58.1	42.1	44.1	48.1	52.0	56.0	60.0
102.5°	255.9	255.4	255.0	254.5	254.0	253.8	232.5	189.9	147.3	104.7	62.1
105°	320.2	327.2	334.2	341.3	348.3	351.8	319.9	256.0	192.1	128.2	64.3
107.5°	395.0	400.8	406.7	412.5	418.4	421.3	381.9	303.0	224.1	145.3	66.4
110°	466.6	471.5	476.4	481.3	486.2	488.7	454.9	387.2	319.6	251.9	184.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	534.0	538.2	542.4	546.7	550.9	553.0	551.0	547.0	543.1	539.1	535.1
115°	605.6	609.6	613.6	617.5	621.5	623.5	626.4	632.3	638.2	644.0	649.9
117.5°	667.8	672.5	677.2	681.9	686.6	688.9	690.9	694.9	698.8	702.8	706.8
120°	737.3	740.8	744.3	747.8	751.3	753.1	755.2	759.4	763.7	767.9	772.1
122.5°	796.3	800.0	803.8	807.5	811.2	813.1	815.4	820.1	824.8	829.5	834.2
125°	856.3	859.3	862.4	865.4	868.5	870.0	872.2	876.7	881.1	885.6	890.0
127.5°	911.1	914.4	917.6	920.9	924.2	925.8	927.6	931.1	934.6	938.1	941.6
130°	962.7	966.5	970.2	974.0	977.7	979.6	980.9	983.4	986.0	988.5	991.1
132.5°	1015.4	1018.4	1021.5	1024.5	1027.6	1029.1	1030.4	1032.9	1035.5	1038.0	1040.6
135°	1059.6	1063.4	1067.1	1070.9	1074.6	1076.5	1077.5	1079.6	1081.7	1083.8	1085.9
137.5°	1106.0	1108.8	1111.6	1114.4	1117.2	1118.6	1119.8	1122.1	1124.4	1126.8	1129.1
140°	1151.2	1153.1	1155.0	1156.9	1158.8	1159.7	1161.0	1163.6	1166.1	1168.7	1171.3
142.5°	1189.2	1190.8	1192.4	1194.1	1195.7	1196.5	1198.0	1201.1	1204.1	1207.2	1210.2
145°	1229.2	1229.0	1228.7	1228.5	1228.2	1228.1	1230.1	1234.1	1238.0	1242.0	1246.0
147.5°	1263.9	1263.2	1262.5	1261.8	1261.1	1260.8	1262.8	1266.8	1270.7	1274.7	1278.7
150°	1297.7	1296.1	1294.4	1292.8	1291.1	1290.3	1292.2	1295.9	1299.6	1303.4	1307.1
152.5°	1326.1	1324.2	1322.4	1320.5	1318.6	1317.7	1319.5	1323.0	1326.5	1330.0	1333.5
155°	1353.5	1351.4	1349.3	1347.2	1345.1	1344.0	1345.4	1348.2	1351.0	1353.8	1356.6
157.5°	1375.6	1373.7	1371.9	1370.0	1368.1	1367.2	1368.2	1370.3	1372.4	1374.5	1376.6
160°	1394.6	1393.2	1391.8	1390.3	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6
162.5°	1411.4	1410.0	1408.6	1407.2	1405.8	1405.1	1405.7	1406.9	1408.0	1409.2	1410.4
165°	1426.2	1424.8	1423.4	1421.9	1420.5	1419.8	1420.2	1420.9	1421.6	1422.3	1423.0
167.5°	1437.7	1436.3	1434.9	1433.5	1432.1	1431.4	1431.8	1432.5	1433.2	1433.9	1434.6
170°	1447.2	1445.8	1444.4	1443.0	1441.6	1440.9	1441.1	1441.6	1442.1	1442.5	1443.0
172.5°	1453.5	1452.1	1450.7	1449.3	1447.9	1447.2	1447.4	1447.9	1448.4	1448.8	1449.3
175°	1458.8	1457.2	1455.5	1453.9	1452.2	1451.4	1451.6	1452.1	1452.6	1453.0	1453.5
177.5°	1460.9	1459.3	1457.6	1456.0	1454.3	1453.5	1453.6	1453.9	1454.1	1454.4	1454.6
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	592.5	593.0	593.9	598.2	600.4	600.9	599.1	603.1	604.4	603.1	602.2
5°	620.6	623.2	628.5	634.2	633.7	634.2	636.8	639.4	640.3	636.8	638.1
7.5°	645.1	650.4	656.1	664.8	664.8	669.2	671.0	673.2	678.4	675.8	674.9
10°	673.2	680.2	690.7	704.7	705.2	709.6	713.9	720.9	723.1	721.4	722.3
12.5°	708.2	721.8	722.7	738.0	745.1	745.9	752.9	751.6	756.0	756.0	763.5
15°	723.6	744.6	756.4	771.3	775.7	770.5	776.2	782.3	782.7	782.7	782.3
17.5°	751.2	759.5	771.3	779.2	781.0	781.0	781.4	784.1	782.3	778.8	781.4
20°	756.9	760.4	764.8	763.9	764.8	760.4	756.0	751.6	752.1	749.9	756.4
22.5°	746.4	745.5	735.4	728.8	728.8	720.1	711.7	707.8	703.9	705.2	707.4
25°	720.1	706.5	694.2	684.6	682.4	668.4	657.0	653.5	646.9	652.1	653.0
27.5°	678.0	662.7	642.9	634.6	623.2	617.5	609.6	599.1	585.5	593.4	592.1
30°	632.9	610.1	593.9	573.7	555.7	554.4	539.5	522.0	515.0	515.0	518.9
32.5°	582.5	552.2	528.5	500.1	482.5	475.1	457.1	439.6	443.5	430.4	435.2
35°	523.7	483.8	454.0	426.4	413.3	404.5	381.3	371.6	361.1	355.0	366.4
37.5°	467.6	421.6	383.5	353.2	348.4	332.6	316.9	310.7	304.6	307.2	306.8
40°	399.3	358.5	324.3	300.7	292.3	284.9	274.4	266.9	263.0	265.2	265.6
42.5°	337.5	303.3	277.9	261.2	254.2	248.9	243.7	237.5	236.2	236.2	238.0
45°	289.7	261.6	244.6	231.0	227.0	223.1	219.1	216.5	215.6	213.9	215.2
47.5°	251.6	229.2	218.7	208.6	204.2	203.4	199.8	198.5	196.8	196.3	196.8
50°	219.6	205.5	195.9	190.2	187.1	185.8	184.1	181.4	180.6	182.8	181.9
52.5°	197.2	184.1	178.8	173.1	171.4	169.6	167.0	167.4	167.0	166.1	166.1
55°	174.9	166.5	161.3	156.9	156.5	154.7	152.5	151.6	151.2	150.3	151.6
57.5°	156.9	150.3	145.5	141.6	139.8	139.8	137.6	135.9	135.9	135.4	135.9
60°	138.9	132.4	129.3	125.3	124.0	123.6	122.3	121.4	120.1	120.1	120.1
62.5°	122.3	117.0	113.5	110.0	110.4	108.3	106.5	105.6	105.6	106.1	106.1
65°	106.5	103.0	98.6	95.5	94.7	94.2	93.4	92.9	91.6	92.5	92.5
67.5°	92.0	87.2	84.6	83.3	82.0	81.5	80.6	79.8	79.3	78.9	79.8
70°	77.6	73.6	71.4	70.6	69.2	68.8	68.4	67.1	67.5	67.9	68.4
72.5°	64.4	60.9	60.5	57.9	57.9	57.9	56.1	57.0	56.5	55.7	56.5
75°	50.8	49.1	48.2	46.9	47.3	46.9	46.5	45.1	45.1	45.6	46.0
77.5°	40.3	38.6	38.1	36.8	35.9	36.8	35.9	35.5	35.5	35.9	35.9
80°	29.8	28.9	27.6	27.6	27.6	27.2	27.2	27.2	26.7	26.3	26.7
82.5°	19.7	19.7	19.3	18.8	19.3	18.4	18.8	18.8	18.8	18.8	18.8
85°	12.7	12.3	12.3	11.8	11.8	11.8	12.3	11.4	11.4	11.8	11.8
87.5°	5.7	5.7	5.7	6.1	5.7	5.7	5.7	6.1	5.7	5.7	5.7
90°	22.3	23.4	24.6	25.7	26.3	26.5	27.0	27.5	27.9	28.4	27.9
92.5°	25.8	26.2	26.7	27.2	27.4	27.5	27.7	28.0	28.2	28.4	28.2
95°	42.3	43.4	44.6	45.7	46.3	46.2	46.0	45.7	45.5	45.3	45.5
97.5°	54.4	55.1	55.8	56.5	56.9	57.0	57.2	57.5	57.7	57.9	57.7
100°	61.9	63.8	65.7	67.6	68.5	68.7	69.2	69.7	70.1	70.6	70.1
102.5°	64.7	67.3	69.8	72.4	73.7	74.1	74.8	75.5	76.2	76.9	76.2
105°	66.9	69.4	72.0	74.5	75.8	76.3	77.2	78.1	79.1	80.0	79.1
107.5°	69.0	71.5	74.1	76.6	77.9	78.4	79.3	80.3	81.2	82.2	81.2
110°	160.9	137.5	114.1	90.7	79.0	79.5	80.4	81.3	82.3	83.2	82.3

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	434.2	333.3	232.4	131.5	81.1	81.5	82.2	82.9	83.6	84.3	83.6
115°	541.5	433.1	324.8	216.4	162.2	153.8	136.9	120.1	103.2	86.4	103.2
117.5°	673.3	639.8	606.3	572.8	556.1	525.4	464.1	402.8	341.5	280.2	341.5
120°	774.9	777.7	780.5	783.3	784.7	768.9	737.3	705.7	674.1	642.5	674.1
122.5°	835.6	837.0	838.4	839.8	840.5	840.6	840.9	841.1	841.4	841.6	841.4
125°	891.6	893.3	894.9	896.6	897.4	897.8	898.5	899.2	899.9	900.6	899.9
127.5°	944.0	946.3	948.7	951.0	952.2	952.3	952.5	952.8	953.0	953.2	953.0
130°	993.7	996.3	998.8	1001.4	1002.7	1002.6	1002.4	1002.1	1001.9	1001.7	1001.9
132.5°	1042.7	1044.8	1046.9	1049.0	1050.1	1050.0	1049.8	1049.5	1049.3	1049.1	1049.3
135°	1088.3	1090.6	1093.0	1095.3	1096.5	1096.3	1095.8	1095.3	1094.9	1094.4	1094.9
137.5°	1131.5	1133.8	1136.2	1138.5	1139.7	1139.3	1138.6	1137.9	1137.2	1136.5	1137.2
140°	1173.4	1175.5	1177.6	1179.7	1180.7	1180.1	1179.0	1177.8	1176.7	1175.5	1176.7
142.5°	1212.1	1214.0	1215.9	1217.8	1218.7	1218.1	1216.9	1215.8	1214.6	1213.4	1214.6
145°	1247.6	1249.3	1250.9	1252.6	1253.4	1252.8	1251.6	1250.5	1249.3	1248.1	1249.3
147.5°	1279.9	1281.1	1282.2	1283.4	1284.0	1283.5	1282.6	1281.6	1280.7	1279.7	1280.7
150°	1308.5	1309.9	1311.4	1312.8	1313.5	1312.9	1311.7	1310.6	1309.4	1308.2	1309.4
152.5°	1334.9	1336.3	1337.7	1339.1	1339.9	1339.0	1337.3	1335.7	1334.0	1332.4	1334.0
155°	1358.0	1359.4	1360.9	1362.3	1363.0	1362.1	1360.2	1358.3	1356.4	1354.5	1356.4
157.5°	1378.2	1379.9	1381.5	1383.2	1384.0	1383.1	1381.2	1379.3	1377.5	1375.6	1377.5
160°	1396.0	1397.4	1398.8	1400.2	1400.9	1400.1	1398.4	1396.8	1395.1	1393.5	1395.1
162.5°	1412.0	1413.6	1415.3	1416.9	1417.7	1416.6	1414.5	1412.4	1410.3	1408.2	1410.3
165°	1424.6	1426.3	1427.9	1429.6	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1424.6
167.5°	1436.2	1437.9	1439.5	1441.2	1442.0	1440.9	1438.8	1436.7	1434.6	1432.5	1434.6
170°	1444.6	1446.3	1447.9	1449.6	1450.4	1449.3	1447.2	1445.1	1443.0	1440.9	1443.0
172.5°	1450.9	1452.6	1454.2	1455.9	1456.7	1455.6	1453.5	1451.4	1449.3	1447.2	1449.3
175°	1455.1	1456.8	1458.4	1460.1	1460.9	1459.7	1457.4	1455.1	1452.7	1450.4	1452.7
177.5°	1456.2	1457.9	1459.5	1461.2	1462.0	1460.9	1458.8	1456.7	1454.6	1452.5	1454.6
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

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CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	604.4	601.3	598.7	599.1	601.3	599.5	595.2	589.5	587.3	584.6	587.3
5°	640.7	638.1	632.9	633.3	632.0	630.2	623.2	614.4	614.4	607.4	606.6
7.5°	676.7	672.7	669.2	668.4	663.5	660.0	653.9	641.6	636.8	628.5	623.7
10°	717.0	713.9	710.0	705.2	702.5	696.4	686.3	668.4	659.6	648.2	639.9
12.5°	757.8	757.3	748.6	738.9	738.5	728.8	721.8	697.7	685.9	670.5	650.8
15°	783.6	781.4	776.6	771.8	773.1	762.6	746.8	718.3	710.4	692.0	671.0
17.5°	783.2	783.2	781.9	781.0	779.7	776.6	767.8	749.0	736.3	713.1	693.3
20°	758.2	763.9	765.2	764.8	769.2	771.3	770.9	759.1	749.0	728.4	708.2
22.5°	708.2	721.4	727.1	730.6	739.8	744.6	756.0	751.6	749.0	733.7	716.6
25°	661.8	666.2	683.3	684.1	696.8	708.7	720.1	727.5	737.2	731.5	717.0
27.5°	601.7	611.8	624.1	633.3	635.9	660.0	678.9	692.9	714.8	716.6	711.7
30°	533.8	538.6	558.8	571.1	585.1	602.6	629.8	653.9	673.6	691.6	697.7
32.5°	451.0	470.7	482.5	497.4	509.7	540.8	574.1	605.2	628.0	658.3	671.4
35°	375.2	390.5	410.7	416.8	439.1	465.4	508.8	548.7	583.3	614.0	640.7
37.5°	312.5	324.8	346.2	355.9	369.0	402.8	439.1	488.7	530.3	568.0	601.3
40°	269.5	278.7	295.0	298.0	309.0	339.7	369.0	415.5	470.7	521.5	557.9
42.5°	240.2	244.6	255.5	259.5	266.5	287.1	313.4	357.2	408.5	461.1	512.3
45°	219.1	222.2	228.8	232.3	241.0	250.2	271.7	306.8	347.1	400.1	455.4
47.5°	200.3	204.2	206.9	209.1	213.9	224.0	238.0	263.8	302.4	351.1	404.5
50°	184.5	185.8	190.6	191.1	194.2	200.7	213.9	229.7	260.3	299.8	351.5
52.5°	168.7	170.0	173.1	176.2	177.5	182.8	191.5	204.7	227.5	258.6	304.6
55°	153.0	154.7	157.8	160.0	161.3	165.7	170.9	183.6	201.6	223.5	261.2
57.5°	137.2	141.1	142.0	143.3	145.5	150.3	155.1	162.6	176.6	196.8	224.4
60°	122.3	123.6	126.7	128.0	130.2	132.8	138.9	144.6	154.7	170.5	195.5
62.5°	106.9	110.0	111.3	112.6	114.4	117.5	121.4	127.5	136.3	149.0	168.7
65°	93.8	94.2	96.9	98.6	100.4	102.6	106.5	112.2	117.5	129.3	143.8
67.5°	81.1	82.0	82.8	84.6	86.8	89.0	92.5	95.5	102.1	110.0	121.4
70°	68.8	68.8	71.0	72.3	71.9	74.5	77.1	80.6	85.5	92.9	102.1
72.5°	57.9	57.4	59.2	59.6	60.5	62.2	64.0	67.5	70.1	75.8	82.8
75°	46.0	46.9	47.8	47.8	49.1	50.4	52.2	53.9	57.0	60.5	65.7
77.5°	36.4	36.4	37.3	37.7	39.0	38.6	40.3	42.1	44.3	47.3	51.3
80°	26.7	27.6	27.6	27.6	28.0	28.5	30.2	31.6	32.9	35.1	36.8
82.5°	18.8	18.8	19.7	19.7	19.7	20.6	20.6	21.0	21.9	23.2	24.5
85°	11.8	11.8	11.8	12.3	11.8	12.3	13.1	12.7	13.1	14.0	14.0
87.5°	5.7	5.7	5.7	5.7	5.7	6.1	5.7	6.1	6.6	6.6	6.6
90°	27.5	27.0	26.5	26.3	25.7	24.6	23.4	22.3	21.1	19.2	17.3
92.5°	28.0	27.7	27.5	27.4	27.2	26.7	26.2	25.8	25.3	24.6	23.9
95°	45.7	46.0	46.2	46.3	45.7	44.6	43.4	42.3	41.1	39.5	37.8
97.5°	57.5	57.2	57.0	56.9	56.5	55.8	55.1	54.4	53.7	50.0	46.2
100°	69.7	69.2	68.7	68.5	67.6	65.7	63.8	61.9	60.0	56.0	52.0
102.5°	75.5	74.8	74.1	73.7	72.4	69.8	67.3	64.7	62.1	104.7	147.3
105°	78.1	77.2	76.3	75.8	74.5	72.0	69.4	66.9	64.3	128.2	192.1
107.5°	80.3	79.3	78.4	77.9	76.6	74.1	71.5	69.0	66.4	145.3	224.1
110°	81.3	80.4	79.5	79.0	90.7	114.1	137.5	160.9	184.3	251.9	319.6

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	82.9	82.2	81.5	81.1	131.5	232.4	333.3	434.2	535.1	539.1	543.1
115°	120.1	136.9	153.8	162.2	216.4	324.8	433.1	541.5	649.9	644.0	638.2
117.5°	402.8	464.1	525.4	556.1	572.8	606.3	639.8	673.3	706.8	702.8	698.8
120°	705.7	737.3	768.9	784.7	783.3	780.5	777.7	774.9	772.1	767.9	763.7
122.5°	841.1	840.9	840.6	840.5	839.8	838.4	837.0	835.6	834.2	829.5	824.8
125°	899.2	898.5	897.8	897.4	896.6	894.9	893.3	891.6	890.0	885.6	881.1
127.5°	952.8	952.5	952.3	952.2	951.0	948.7	946.3	944.0	941.6	938.1	934.6
130°	1002.1	1002.4	1002.6	1002.7	1001.4	998.8	996.3	993.7	991.1	988.5	986.0
132.5°	1049.5	1049.8	1050.0	1050.1	1049.0	1046.9	1044.8	1042.7	1040.6	1038.0	1035.5
135°	1095.3	1095.8	1096.3	1096.5	1095.3	1093.0	1090.6	1088.3	1085.9	1083.8	1081.7
137.5°	1137.9	1138.6	1139.3	1139.7	1138.5	1136.2	1133.8	1131.5	1129.1	1126.8	1124.4
140°	1177.8	1179.0	1180.1	1180.7	1179.7	1177.6	1175.5	1173.4	1171.3	1168.7	1166.1
142.5°	1215.8	1216.9	1218.1	1218.7	1217.8	1215.9	1214.0	1212.1	1210.2	1207.2	1204.1
145°	1250.5	1251.6	1252.8	1253.4	1252.6	1250.9	1249.3	1247.6	1246.0	1242.0	1238.0
147.5°	1281.6	1282.6	1283.5	1284.0	1283.4	1282.2	1281.1	1279.9	1278.7	1274.7	1270.7
150°	1310.6	1311.7	1312.9	1313.5	1312.8	1311.4	1309.9	1308.5	1307.1	1303.4	1299.6
152.5°	1335.7	1337.3	1339.0	1339.8	1339.1	1337.7	1336.3	1334.9	1333.5	1330.0	1326.5
155°	1358.3	1360.2	1362.1	1363.0	1362.3	1360.9	1359.4	1358.0	1356.6	1353.8	1351.0
157.5°	1379.3	1381.2	1383.1	1384.0	1383.2	1381.5	1379.9	1378.2	1376.6	1374.5	1372.4
160°	1396.8	1398.4	1400.1	1400.9	1400.2	1398.8	1397.4	1396.0	1394.6	1393.2	1391.8
162.5°	1412.4	1414.5	1416.6	1417.7	1416.9	1415.3	1413.6	1412.0	1410.4	1409.2	1408.0
165°	1426.3	1427.9	1429.6	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1422.3	1421.6
167.5°	1436.7	1438.8	1440.9	1442.0	1441.2	1439.5	1437.9	1436.2	1434.6	1433.9	1433.2
170°	1445.1	1447.2	1449.3	1450.4	1449.6	1447.9	1446.3	1444.6	1443.0	1442.5	1442.1
172.5°	1451.4	1453.5	1455.6	1456.7	1455.9	1454.2	1452.6	1450.9	1449.3	1448.8	1448.4
175°	1455.1	1457.4	1459.7	1460.9	1460.1	1458.4	1456.8	1455.1	1453.5	1453.0	1452.6
177.5°	1456.7	1458.8	1460.9	1462.0	1461.2	1459.5	1457.9	1456.2	1454.6	1454.4	1454.1
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	585.1	582.9	581.6	582.5	579.8	573.3	573.3	575.4	572.8	570.2	566.2
5°	601.3	596.9	594.3	593.9	587.7	577.2	575.0	572.8	567.1	561.0	554.4
7.5°	617.1	609.2	604.8	601.7	593.0	579.4	573.7	568.9	559.7	550.5	542.1
10°	630.2	618.8	613.6	608.8	597.4	580.3	571.1	562.3	550.5	538.6	528.1
12.5°	640.7	627.6	621.0	614.0	600.0	577.6	566.2	552.2	540.4	524.6	514.1
15°	658.3	631.1	625.0	618.4	603.9	573.3	559.2	543.4	527.2	506.2	494.8
17.5°	672.3	635.9	635.5	621.5	602.6	571.5	550.0	529.4	511.9	490.9	472.9
20°	680.6	643.4	636.4	621.9	598.2	559.7	537.3	514.5	495.7	470.3	452.3
22.5°	687.6	653.9	635.5	618.0	589.0	555.7	522.9	501.4	475.5	447.9	430.8
25°	690.3	656.1	636.8	616.6	582.5	544.3	507.1	483.8	454.9	429.9	406.7
27.5°	690.7	655.6	632.0	610.9	573.3	529.4	491.3	466.8	434.8	405.8	382.6
30°	686.3	650.8	629.4	606.6	564.5	515.8	472.0	444.8	410.7	381.7	357.6
32.5°	673.2	641.2	623.7	598.7	553.1	497.0	453.6	423.4	387.4	358.9	335.7
35°	651.3	629.4	610.1	586.8	538.2	479.5	435.2	399.7	363.3	336.2	314.2
37.5°	624.1	612.3	594.3	571.5	521.1	463.7	414.6	375.2	338.8	312.5	291.0
40°	587.3	590.3	572.8	552.2	500.9	442.2	387.9	350.2	316.0	291.4	270.4
42.5°	547.4	560.1	550.0	530.3	478.6	418.5	368.1	326.5	293.2	267.8	250.2
45°	504.4	526.4	520.2	505.8	455.4	393.6	340.1	299.8	270.4	245.9	230.5
47.5°	457.5	488.7	488.7	478.1	429.5	368.6	316.0	274.8	245.9	228.3	213.4
50°	409.8	444.8	450.5	443.5	400.6	340.1	286.6	249.4	224.4	207.3	196.3
52.5°	359.8	400.6	411.1	407.6	369.9	312.9	262.5	226.1	203.4	188.5	178.8
55°	312.0	359.4	370.8	372.1	337.0	283.1	235.8	203.8	181.9	171.8	163.5
57.5°	266.9	312.5	325.2	327.4	303.7	255.9	210.8	182.8	163.0	154.7	148.1
60°	228.3	266.5	283.1	287.9	267.3	224.4	187.6	160.4	145.5	137.6	131.5
62.5°	196.8	227.5	245.0	246.3	237.1	196.8	163.5	140.7	128.0	121.0	117.9
65°	166.1	193.7	204.2	209.5	202.0	170.5	141.1	122.3	112.2	106.1	103.0
67.5°	141.6	159.1	167.9	174.9	167.4	143.8	120.1	104.7	97.3	91.2	89.4
70°	116.1	130.6	137.2	144.2	137.6	119.6	102.6	88.5	82.0	77.1	74.9
72.5°	92.9	104.3	110.4	114.8	110.9	96.0	82.0	72.3	67.5	64.0	62.7
75°	73.6	81.5	85.0	88.1	86.3	74.9	66.2	58.3	53.9	50.8	50.0
77.5°	56.1	61.8	65.7	66.6	64.4	57.0	49.5	44.7	41.2	39.4	38.6
80°	39.9	43.4	45.6	46.9	44.7	41.6	36.4	32.9	29.8	27.6	27.2
82.5°	26.7	28.5	30.2	29.8	28.9	26.3	23.2	21.5	20.2	18.4	18.4
85°	15.3	15.8	16.7	17.1	16.7	14.9	13.1	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	3.9
90°	15.4	13.5	12.6	11.3	8.8	6.2	3.7	1.1	3.7	6.2	8.8
92.5°	23.2	22.5	22.1	22.6	23.5	24.4	25.4	26.3	25.4	24.4	23.5
95°	36.2	34.5	33.7	37.6	45.3	53.0	60.8	68.5	60.8	53.0	45.3
97.5°	42.5	38.8	36.9	46.5	65.7	84.8	104.0	123.2	104.0	84.8	65.7
100°	48.1	44.1	42.1	58.1	90.2	122.3	154.3	186.4	154.3	122.3	90.2
102.5°	189.9	232.5	253.8	254.0	254.5	255.0	255.4	255.9	255.4	255.0	254.5
105°	256.0	319.9	351.8	348.3	341.3	334.2	327.2	320.2	327.2	334.2	341.3
107.5°	303.0	381.9	421.3	418.4	412.5	406.7	400.8	395.0	400.8	406.7	412.5
110°	387.2	454.9	488.7	486.2	481.3	476.4	471.5	466.6	471.5	476.4	481.3

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CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	547.0	551.0	553.0	550.9	546.7	542.4	538.2	534.0	538.2	542.4	546.7
115°	632.3	626.4	623.5	621.5	617.5	613.6	609.6	605.6	609.6	613.6	617.5
117.5°	694.9	690.9	688.9	686.6	681.9	677.2	672.5	667.8	672.5	677.2	681.9
120°	759.4	755.2	753.1	751.3	747.8	744.3	740.8	737.3	740.8	744.3	747.8
122.5°	820.1	815.4	813.1	811.2	807.5	803.8	800.0	796.3	800.0	803.8	807.5
125°	876.7	872.2	870.0	868.5	865.4	862.4	859.3	856.3	859.3	862.4	865.4
127.5°	931.1	927.6	925.8	924.2	920.9	917.6	914.4	911.1	914.4	917.6	920.9
130°	983.4	980.9	979.6	977.7	974.0	970.2	966.5	962.7	966.5	970.2	974.0
132.5°	1032.9	1030.4	1029.1	1027.6	1024.5	1021.5	1018.4	1015.4	1018.4	1021.5	1024.5
135°	1079.6	1077.5	1076.5	1074.6	1070.9	1067.1	1063.4	1059.6	1063.4	1067.1	1070.9
137.5°	1122.1	1119.8	1118.6	1117.2	1114.4	1111.6	1108.8	1106.0	1108.8	1111.6	1114.4
140°	1163.6	1161.0	1159.7	1158.8	1156.9	1155.0	1153.1	1151.2	1153.1	1155.0	1156.9
142.5°	1201.1	1198.0	1196.5	1195.7	1194.1	1192.4	1190.8	1189.2	1190.8	1192.4	1194.1
145°	1234.1	1230.1	1228.1	1228.2	1228.5	1228.7	1229.0	1229.2	1229.0	1228.7	1228.5
147.5°	1266.8	1262.8	1260.8	1261.1	1261.8	1262.5	1263.2	1263.9	1263.2	1262.5	1261.8
150°	1295.9	1292.2	1290.3	1291.1	1292.8	1294.4	1296.1	1297.7	1296.1	1294.4	1292.8
152.5°	1323.0	1319.5	1317.7	1318.6	1320.5	1322.4	1324.2	1326.1	1324.2	1322.4	1320.5
155°	1348.2	1345.4	1344.0	1345.1	1347.2	1349.3	1351.4	1353.5	1351.4	1349.3	1347.2
157.5°	1370.3	1368.2	1367.2	1368.1	1370.0	1371.9	1373.7	1375.6	1373.7	1371.9	1370.0
160°	1390.3	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6	1393.2	1391.8	1390.3
162.5°	1406.9	1405.7	1405.1	1405.8	1407.2	1408.6	1410.0	1411.4	1410.0	1408.6	1407.2
165°	1420.9	1420.2	1419.8	1420.5	1421.9	1423.4	1424.8	1426.2	1424.8	1423.4	1421.9
167.5°	1432.5	1431.8	1431.4	1432.1	1433.5	1434.9	1436.3	1437.7	1436.3	1434.9	1433.5
170°	1441.6	1441.1	1440.9	1441.6	1443.0	1444.4	1445.8	1447.2	1445.8	1444.4	1443.0
172.5°	1447.9	1447.4	1447.2	1447.9	1449.3	1450.7	1452.1	1453.5	1452.1	1450.7	1449.3
175°	1452.1	1451.6	1451.4	1452.2	1453.9	1455.5	1457.2	1458.8	1457.2	1455.5	1453.9
177.5°	1453.9	1453.6	1453.5	1454.3	1456.0	1457.6	1459.3	1460.9	1459.3	1457.6	1456.0
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	564.0	566.2	565.8	561.4	556.6	552.7	545.2	546.1	543.4	543.9	546.5
5°	550.0	550.0	548.3	542.1	534.2	529.9	521.5	519.3	514.1	513.6	513.2
7.5°	535.1	532.9	530.7	522.0	512.3	505.3	493.9	491.3	486.0	482.5	480.8
10°	517.6	514.5	510.1	500.1	488.2	479.5	467.6	464.1	454.0	449.7	447.0
12.5°	498.3	496.6	489.5	481.2	461.9	452.3	435.2	438.7	428.6	419.9	418.5
15°	479.0	472.5	468.5	454.9	431.7	427.3	413.7	406.7	397.5	390.5	390.5
17.5°	460.2	450.1	441.3	426.9	409.8	397.5	387.4	383.9	372.5	365.5	364.2
20°	435.2	423.8	421.6	401.0	389.2	375.6	366.0	357.2	348.9	345.8	343.6
22.5°	411.5	398.4	394.9	377.3	365.5	351.9	342.3	336.2	330.0	327.8	323.9
25°	386.1	378.2	373.0	354.1	341.0	328.3	321.7	317.3	311.6	311.2	308.5
27.5°	361.6	354.1	348.9	330.9	321.2	309.4	304.2	299.3	296.3	295.0	293.6
30°	340.5	332.2	326.1	312.9	301.1	291.4	287.1	284.0	282.2	280.1	279.6
32.5°	317.3	312.5	304.2	294.1	284.9	275.7	273.0	270.8	268.2	267.3	266.9
35°	297.6	291.0	285.7	274.4	270.4	262.5	259.5	257.7	254.2	253.3	252.4
37.5°	278.3	272.2	266.5	259.5	252.0	247.6	245.9	243.2	241.5	241.9	241.0
40°	259.0	254.2	249.8	242.4	238.0	235.8	232.3	229.7	228.8	229.2	228.8
42.5°	240.2	235.8	233.2	227.5	223.1	220.9	218.7	216.1	217.4	217.4	218.7
45°	223.1	219.1	217.4	213.0	210.4	206.9	204.7	204.2	206.0	205.5	205.5
47.5°	205.5	204.2	202.0	198.1	194.6	192.4	192.0	192.0	193.7	194.6	194.2
50°	192.0	189.3	186.7	183.6	181.0	180.1	178.8	179.7	181.4	181.4	182.3
52.5°	174.9	173.1	172.2	169.6	167.9	167.9	167.9	168.3	169.6	170.9	170.5
55°	160.0	158.7	157.8	156.5	154.3	154.7	154.3	155.1	156.5	157.8	158.7
57.5°	144.2	143.8	142.9	140.7	140.7	140.2	141.6	142.0	144.2	145.1	146.4
60°	130.2	128.9	128.9	127.1	127.1	127.1	128.4	129.7	131.5	131.9	132.8
62.5°	115.3	115.3	114.8	113.5	113.5	114.8	115.3	117.0	117.9	117.9	119.2
65°	101.2	100.8	100.4	100.8	101.2	101.2	102.6	103.4	104.3	104.7	105.2
67.5°	87.2	86.8	87.7	87.2	88.1	89.8	89.4	90.7	92.0	92.0	92.5
70°	74.1	74.9	74.5	75.4	74.9	75.8	77.1	77.6	77.6	78.0	79.3
72.5°	61.8	61.8	61.8	61.4	61.8	62.7	63.5	64.0	64.9	65.3	66.6
75°	50.0	50.0	49.1	50.0	50.0	50.8	51.7	51.7	51.7	52.6	53.9
77.5°	37.7	38.1	37.7	38.6	38.6	39.0	39.9	39.4	40.3	40.8	41.2
80°	27.6	27.2	27.2	27.2	27.6	27.6	28.5	28.9	28.9	30.2	29.4
82.5°	17.5	18.0	17.5	18.0	18.0	18.4	18.0	18.4	18.8	19.7	19.3
85°	10.1	9.6	9.6	10.1	9.6	9.6	10.1	9.6	10.1	9.6	10.1
87.5°	3.9	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	11.3	12.6	13.5	15.4	17.3	19.2	21.1	22.3	23.4	24.6	25.7
92.5°	22.6	22.1	22.5	23.2	23.9	24.6	25.3	25.8	26.2	26.7	27.2
95°	37.6	33.7	34.5	36.2	37.8	39.5	41.1	42.3	43.4	44.6	45.7
97.5°	46.5	36.9	38.8	42.5	46.2	50.0	53.7	54.4	55.1	55.8	56.5
100°	58.1	42.1	44.1	48.1	52.0	56.0	60.0	61.9	63.8	65.7	67.6
102.5°	254.0	253.8	232.5	189.9	147.3	104.7	62.1	64.7	67.3	69.8	72.4
105°	348.3	351.8	319.9	256.0	192.1	128.2	64.3	66.9	69.4	72.0	74.5
107.5°	418.4	421.3	381.9	303.0	224.1	145.3	66.4	69.0	71.5	74.1	76.6
110°	486.2	488.7	454.9	387.2	319.6	251.9	184.3	160.9	137.5	114.1	90.7

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	550.9	553.0	551.0	547.0	543.1	539.1	535.1	434.2	333.3	232.4	131.5
115°	621.5	623.5	626.4	632.3	638.2	644.0	649.9	541.5	433.1	324.8	216.4
117.5°	686.6	688.9	690.9	694.9	698.8	702.8	706.8	673.3	639.8	606.3	572.8
120°	751.3	753.1	755.2	759.4	763.7	767.9	772.1	774.9	777.7	780.5	783.3
122.5°	811.2	813.1	815.4	820.1	824.8	829.5	834.2	835.6	837.0	838.4	839.8
125°	868.5	870.0	872.2	876.7	881.1	885.6	890.0	891.6	893.3	894.9	896.6
127.5°	924.2	925.8	927.6	931.1	934.6	938.1	941.6	944.0	946.3	948.7	951.0
130°	977.7	979.6	980.9	983.4	986.0	988.5	991.1	993.7	996.3	998.8	1001.4
132.5°	1027.6	1029.1	1030.4	1032.9	1035.5	1038.0	1040.6	1042.7	1044.8	1046.9	1049.0
135°	1074.6	1076.5	1077.5	1079.6	1081.7	1083.8	1085.9	1088.3	1090.6	1093.0	1095.3
137.5°	1117.2	1118.6	1119.8	1122.1	1124.4	1126.8	1129.1	1131.5	1133.8	1136.2	1138.5
140°	1158.8	1159.7	1161.0	1163.6	1166.1	1168.7	1171.3	1173.4	1175.5	1177.6	1179.7
142.5°	1195.7	1196.5	1198.0	1201.1	1204.1	1207.2	1210.2	1212.1	1214.0	1215.9	1217.8
145°	1228.2	1228.1	1230.1	1234.1	1238.0	1242.0	1246.0	1247.6	1249.3	1250.9	1252.6
147.5°	1261.1	1260.8	1262.8	1266.8	1270.7	1274.7	1278.7	1279.9	1281.1	1282.2	1283.4
150°	1291.1	1290.3	1292.2	1295.9	1299.6	1303.4	1307.1	1308.5	1309.9	1311.4	1312.8
152.5°	1318.6	1317.7	1319.5	1323.0	1326.5	1330.0	1333.5	1334.9	1336.3	1337.7	1339.1
155°	1345.1	1344.0	1345.4	1348.2	1351.0	1353.8	1356.6	1358.0	1359.4	1360.9	1362.3
157.5°	1368.1	1367.2	1368.2	1370.3	1372.4	1374.5	1376.6	1378.2	1379.9	1381.5	1383.2
160°	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6	1396.0	1397.4	1398.8	1400.2
162.5°	1405.8	1405.1	1405.7	1406.9	1408.0	1409.2	1410.4	1412.0	1413.6	1415.3	1416.9
165°	1420.5	1419.8	1420.2	1420.9	1421.6	1422.3	1423.0	1424.6	1426.3	1427.9	1429.6
167.5°	1432.1	1431.4	1431.8	1432.5	1433.2	1433.9	1434.6	1436.2	1437.9	1439.5	1441.2
170°	1441.6	1440.9	1441.1	1441.6	1442.1	1442.5	1443.0	1444.6	1446.3	1447.9	1449.6
172.5°	1447.9	1447.2	1447.4	1447.9	1448.4	1448.8	1449.3	1450.9	1452.6	1454.2	1455.9
175°	1452.2	1451.4	1451.6	1452.1	1452.6	1453.0	1453.5	1455.1	1456.8	1458.4	1460.1
177.5°	1454.3	1453.5	1453.6	1453.9	1454.1	1454.4	1454.6	1456.2	1457.9	1459.5	1461.2
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	543.4	544.8	541.7	540.8	541.7	538.6	539.5	540.4	540.4	541.7	542.6
5°	511.9	510.1	507.1	506.2	505.3	506.6	505.8	507.1	507.5	510.6	511.0
7.5°	480.8	478.1	475.5	472.9	472.0	469.8	472.0	472.0	475.1	474.2	476.4
10°	444.0	443.5	440.0	438.7	437.0	433.4	438.3	437.0	439.1	443.1	444.0
12.5°	416.8	412.0	414.2	408.0	410.2	406.7	407.1	407.1	410.7	411.1	410.2
15°	390.9	387.0	381.3	378.7	377.3	375.6	381.3	381.7	379.1	385.2	383.0
17.5°	364.6	364.6	359.4	358.1	354.6	356.3	355.4	355.9	355.0	359.4	361.6
20°	341.8	339.7	337.9	338.3	334.0	333.1	332.2	333.1	336.2	339.2	340.1
22.5°	323.4	322.1	317.7	318.6	315.1	316.4	315.6	317.7	318.2	318.2	321.2
25°	305.9	304.2	304.6	302.8	301.5	301.5	300.2	301.5	303.3	304.2	304.6
27.5°	292.8	291.4	289.3	287.9	288.8	286.6	288.4	289.7	289.7	288.8	289.7
30°	277.0	277.9	277.9	273.5	275.2	274.4	275.7	276.5	276.5	277.0	276.1
32.5°	266.5	263.8	263.4	263.0	263.0	261.2	261.2	262.5	263.0	263.4	264.7
35°	252.4	252.4	250.2	251.6	249.8	250.2	249.8	250.2	251.1	249.8	251.1
37.5°	239.7	240.2	239.3	240.2	240.6	239.7	238.9	240.6	239.7	239.7	238.9
40°	228.8	228.3	228.8	228.8	228.8	229.2	228.3	228.3	228.3	227.5	226.6
42.5°	219.6	216.9	217.8	218.3	216.9	216.9	217.4	216.9	218.3	215.6	215.6
45°	206.4	205.5	206.0	206.0	206.9	205.5	206.4	206.9	205.5	205.1	204.2
47.5°	194.6	195.5	194.6	195.5	195.5	196.3	194.6	195.0	195.5	193.7	192.4
50°	182.8	182.8	184.1	183.6	184.1	183.2	183.2	182.8	183.2	182.3	181.0
52.5°	171.8	170.5	172.7	172.2	171.8	171.4	170.9	171.4	170.5	169.6	169.6
55°	158.2	158.2	159.5	160.0	160.0	159.1	158.2	158.7	158.2	157.8	157.3
57.5°	147.3	145.5	146.4	146.8	146.8	145.5	146.4	145.5	145.5	145.9	144.6
60°	133.2	133.2	132.4	133.7	133.7	132.8	132.8	133.2	132.4	131.9	131.5
62.5°	118.3	118.8	120.1	120.5	121.0	120.1	119.2	119.6	119.6	118.3	118.8
65°	105.6	106.5	108.3	107.8	106.9	107.4	106.5	106.9	105.6	106.1	104.7
67.5°	93.4	92.9	93.4	93.4	94.2	93.8	92.9	92.9	92.5	93.8	92.5
70°	80.2	80.2	80.2	80.2	80.6	81.1	80.2	79.3	79.8	78.9	78.4
72.5°	66.6	67.1	66.6	67.5	66.2	67.1	67.1	66.6	66.2	66.2	66.2
75°	53.9	54.8	53.5	53.9	53.5	54.3	53.9	53.9	53.0	52.6	53.0
77.5°	41.2	41.6	40.8	41.2	40.8	41.2	41.2	40.8	40.8	40.8	40.8
80°	29.4	29.8	29.4	28.9	28.5	29.4	28.5	28.9	29.4	28.9	29.8
82.5°	18.8	18.8	18.4	18.8	18.0	18.0	18.4	18.4	18.0	18.8	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.6	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	26.3	26.5	27.0	27.5	27.9	28.4	27.9	27.5	27.0	26.5	26.3
92.5°	27.4	27.5	27.7	28.0	28.2	28.4	28.2	28.0	27.7	27.5	27.4
95°	46.3	46.2	46.0	45.7	45.5	45.3	45.5	45.7	46.0	46.2	46.3
97.5°	56.9	57.0	57.2	57.5	57.7	57.9	57.7	57.5	57.2	57.0	56.9
100°	68.5	68.7	69.2	69.7	70.1	70.6	70.1	69.7	69.2	68.7	68.5
102.5°	73.7	74.1	74.8	75.5	76.2	76.9	76.2	75.5	74.8	74.1	73.7
105°	75.8	76.3	77.2	78.1	79.1	80.0	79.1	78.1	77.2	76.3	75.8
107.5°	77.9	78.4	79.3	80.3	81.2	82.2	81.2	80.3	79.3	78.4	77.9
110°	79.0	79.5	80.4	81.3	82.3	83.2	82.3	81.3	80.4	79.5	79.0

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.1	81.5	82.2	82.9	83.6	84.3	83.6	82.9	82.2	81.5	81.1
115°	162.2	153.8	136.9	120.1	103.2	86.4	103.2	120.1	136.9	153.8	162.2
117.5°	556.1	525.4	464.1	402.8	341.5	280.2	341.5	402.8	464.1	525.4	556.1
120°	784.7	768.9	737.3	705.7	674.1	642.5	674.1	705.7	737.3	768.9	784.7
122.5°	840.5	840.6	840.9	841.1	841.4	841.6	841.4	841.1	840.9	840.6	840.5
125°	897.4	897.8	898.5	899.2	899.9	900.6	899.9	899.2	898.5	897.8	897.4
127.5°	952.2	952.3	952.5	952.8	953.0	953.2	953.0	952.8	952.5	952.3	952.2
130°	1002.7	1002.6	1002.4	1002.1	1001.9	1001.7	1001.9	1002.1	1002.4	1002.6	1002.7
132.5°	1050.1	1050.0	1049.8	1049.5	1049.3	1049.1	1049.3	1049.5	1049.8	1050.0	1050.1
135°	1096.5	1096.3	1095.8	1095.3	1094.9	1094.4	1094.9	1095.3	1095.8	1096.3	1096.5
137.5°	1139.7	1139.3	1138.6	1137.9	1137.2	1136.5	1137.2	1137.9	1138.6	1139.3	1139.7
140°	1180.7	1180.1	1179.0	1177.8	1176.7	1175.5	1176.7	1177.8	1179.0	1180.1	1180.7
142.5°	1218.7	1218.1	1216.9	1215.8	1214.6	1213.4	1214.6	1215.8	1216.9	1218.1	1218.7
145°	1253.4	1252.8	1251.6	1250.5	1249.3	1248.1	1249.3	1250.5	1251.6	1252.8	1253.4
147.5°	1284.0	1283.5	1282.6	1281.6	1280.7	1279.7	1280.7	1281.6	1282.6	1283.5	1284.0
150°	1313.5	1312.9	1311.7	1310.6	1309.4	1308.2	1309.4	1310.6	1311.7	1312.9	1313.5
152.5°	1339.8	1339.0	1337.3	1335.7	1334.0	1332.4	1334.0	1335.7	1337.3	1339.0	1339.8
155°	1363.0	1362.1	1360.2	1358.3	1356.4	1354.5	1356.4	1358.3	1360.2	1362.1	1363.0
157.5°	1384.0	1383.1	1381.2	1379.3	1377.5	1375.6	1377.5	1379.3	1381.2	1383.1	1384.0
160°	1400.9	1400.1	1398.4	1396.8	1395.1	1393.5	1395.1	1396.8	1398.4	1400.1	1400.9
162.5°	1417.7	1416.6	1414.5	1412.4	1410.3	1408.2	1410.3	1412.4	1414.5	1416.6	1417.7
165°	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1424.6	1426.3	1427.9	1429.6	1430.4
167.5°	1442.0	1440.9	1438.8	1436.7	1434.6	1432.5	1434.6	1436.7	1438.8	1440.9	1442.0
170°	1450.4	1449.3	1447.2	1445.1	1443.0	1440.9	1443.0	1445.1	1447.2	1449.3	1450.4
172.5°	1456.7	1455.6	1453.5	1451.4	1449.3	1447.2	1449.3	1451.4	1453.5	1455.6	1456.7
175°	1460.9	1459.7	1457.4	1455.1	1452.7	1450.4	1452.7	1455.1	1457.4	1459.7	1460.9
177.5°	1462.0	1460.9	1458.8	1456.7	1454.6	1452.5	1454.6	1456.7	1458.8	1460.9	1462.0
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	541.3	544.8	543.4	538.6	544.3	544.3	548.3	548.3	553.1	554.8	557.5
5°	510.6	513.2	515.4	513.2	517.2	523.3	526.8	529.9	536.4	539.1	543.0
7.5°	477.7	482.5	484.7	484.7	491.3	498.3	505.3	509.7	518.9	522.4	526.4
10°	445.7	451.4	455.8	455.4	466.3	470.7	479.5	489.5	498.7	504.0	509.7
12.5°	412.0	415.0	421.2	429.9	432.6	440.5	450.5	463.2	479.9	484.7	493.0
15°	383.9	392.2	397.1	401.0	407.1	414.6	425.6	437.8	454.5	465.0	473.8
17.5°	360.3	371.2	374.3	373.4	381.3	392.7	405.4	414.6	429.5	442.2	450.5
20°	341.0	345.4	350.6	352.8	358.9	371.2	383.5	394.0	406.3	416.4	426.0
22.5°	321.7	325.2	329.6	333.5	338.3	345.4	357.2	370.3	382.2	391.8	402.8
25°	305.9	308.1	312.0	315.1	320.4	325.2	333.5	348.0	362.0	367.7	377.3
27.5°	290.6	292.3	295.0	298.5	301.1	305.9	313.4	325.2	339.7	345.4	358.5
30°	277.0	278.3	280.9	282.7	284.0	289.7	295.4	304.6	315.6	323.4	333.1
32.5°	264.3	265.6	268.2	268.7	270.4	273.5	278.7	287.1	296.7	303.3	311.6
35°	250.2	251.1	253.8	254.6	255.9	258.6	262.5	268.7	277.4	282.2	289.7
37.5°	239.3	238.9	240.6	241.9	243.7	245.0	246.3	252.4	259.0	263.4	269.1
40°	227.5	226.6	227.0	228.8	229.7	231.4	231.4	237.5	241.9	245.4	249.8
42.5°	215.6	215.2	214.3	215.2	216.1	216.5	216.9	221.3	225.7	228.8	233.6
45°	203.8	203.4	202.5	202.9	202.9	203.8	205.1	206.9	209.9	212.6	215.2
47.5°	192.8	192.0	190.6	190.2	191.1	191.1	191.1	192.8	195.9	196.8	199.4
50°	181.4	180.1	178.4	177.5	177.5	177.1	177.9	178.4	181.0	181.9	184.1
52.5°	169.2	168.3	166.5	164.8	165.2	164.3	164.8	165.2	166.1	167.4	168.7
55°	156.9	155.1	153.8	153.4	152.1	152.1	150.8	152.5	152.1	152.5	154.3
57.5°	145.1	143.3	141.1	140.2	138.9	138.5	137.6	137.2	137.6	138.9	140.2
60°	131.0	130.2	128.9	127.5	126.7	125.3	124.5	124.5	124.0	124.0	124.5
62.5°	117.5	117.0	115.3	114.8	113.9	113.1	111.8	110.9	110.9	111.8	112.2
65°	104.3	103.9	102.6	102.1	99.9	99.0	98.6	98.2	97.3	97.3	97.3
67.5°	92.0	90.7	90.7	88.5	86.8	85.9	85.0	84.6	84.6	84.6	85.0
70°	78.4	78.4	77.1	75.8	74.1	74.5	73.2	71.9	71.9	71.0	71.4
72.5°	65.3	64.9	63.5	63.1	61.8	60.5	59.6	60.5	59.2	58.7	59.2
75°	52.6	52.2	51.3	50.4	50.8	49.5	48.2	47.8	47.8	46.9	46.9
77.5°	40.3	41.2	39.4	39.0	38.1	37.3	36.8	36.4	36.4	36.4	37.3
80°	28.0	28.5	28.5	27.6	28.0	26.7	26.7	26.7	25.4	25.9	26.3
82.5°	18.0	18.0	17.5	18.0	17.5	17.5	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.6	9.2	10.1	9.6	9.6	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	25.7	24.6	23.4	22.3	21.1	19.2	17.3	15.4	13.5	12.6	11.3
92.5°	27.2	26.7	26.2	25.8	25.3	24.6	23.9	23.2	22.5	22.1	22.6
95°	45.7	44.6	43.4	42.3	41.1	39.5	37.8	36.2	34.5	33.7	37.6
97.5°	56.5	55.8	55.1	54.4	53.7	50.0	46.2	42.5	38.8	36.9	46.5
100°	67.6	65.7	63.8	61.9	60.0	56.0	52.0	48.1	44.1	42.1	58.1
102.5°	72.4	69.8	67.3	64.7	62.1	104.7	147.3	189.9	232.5	253.8	254.0
105°	74.5	72.0	69.4	66.9	64.3	128.2	192.1	256.0	319.9	351.8	348.3
107.5°	76.6	74.1	71.5	69.0	66.4	145.3	224.1	303.0	381.9	421.3	418.4
110°	90.7	114.1	137.5	160.9	184.3	251.9	319.6	387.2	454.9	488.7	486.2

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.5	232.4	333.3	434.2	535.1	539.1	543.1	547.0	551.0	553.0	550.9
115°	216.4	324.8	433.1	541.5	649.9	644.0	638.2	632.3	626.4	623.5	621.5
117.5°	572.8	606.3	639.8	673.3	706.8	702.8	698.8	694.9	690.9	688.9	686.6
120°	783.3	780.5	777.7	774.9	772.1	767.9	763.7	759.4	755.2	753.1	751.3
122.5°	839.8	838.4	837.0	835.6	834.2	829.5	824.8	820.1	815.4	813.1	811.2
125°	896.6	894.9	893.3	891.6	890.0	885.6	881.1	876.7	872.2	870.0	868.5
127.5°	951.0	948.7	946.3	944.0	941.6	938.1	934.6	931.1	927.6	925.8	924.2
130°	1001.4	998.8	996.3	993.7	991.1	988.5	986.0	983.4	980.9	979.6	977.7
132.5°	1049.0	1046.9	1044.8	1042.7	1040.6	1038.0	1035.5	1032.9	1030.4	1029.1	1027.6
135°	1095.3	1093.0	1090.6	1088.3	1085.9	1083.8	1081.7	1079.6	1077.5	1076.5	1074.6
137.5°	1138.5	1136.2	1133.8	1131.5	1129.1	1126.8	1124.4	1122.1	1119.8	1118.6	1117.2
140°	1179.7	1177.6	1175.5	1173.4	1171.3	1168.7	1166.1	1163.6	1161.0	1159.7	1158.8
142.5°	1217.8	1215.9	1214.0	1212.1	1210.2	1207.2	1204.1	1201.1	1198.0	1196.5	1195.7
145°	1252.6	1250.9	1249.3	1247.6	1246.0	1242.0	1238.0	1234.1	1230.1	1228.1	1228.2
147.5°	1283.4	1282.2	1281.1	1279.9	1278.7	1274.7	1270.7	1266.8	1262.8	1260.8	1261.1
150°	1312.8	1311.4	1309.9	1308.5	1307.1	1303.4	1299.6	1295.9	1292.2	1290.3	1291.1
152.5°	1339.1	1337.7	1336.3	1334.9	1333.5	1330.0	1326.5	1323.0	1319.5	1317.7	1318.6
155°	1362.3	1360.9	1359.4	1358.0	1356.6	1353.8	1351.0	1348.2	1345.4	1344.0	1345.1
157.5°	1383.2	1381.5	1379.9	1378.2	1376.6	1374.5	1372.4	1370.3	1368.2	1367.2	1368.1
160°	1400.2	1398.8	1397.4	1396.0	1394.6	1393.2	1391.8	1390.3	1388.9	1388.2	1388.9
162.5°	1416.9	1415.3	1413.6	1412.0	1410.4	1409.2	1408.0	1406.9	1405.7	1405.1	1405.8
165°	1429.6	1427.9	1426.3	1424.6	1423.0	1422.3	1421.6	1420.9	1420.2	1419.8	1420.5
167.5°	1441.2	1439.5	1437.9	1436.2	1434.6	1433.9	1433.2	1432.5	1431.8	1431.4	1432.1
170°	1449.6	1447.9	1446.3	1444.6	1443.0	1442.5	1442.1	1441.6	1441.1	1440.9	1441.6
172.5°	1455.9	1454.2	1452.6	1450.9	1449.3	1448.8	1448.4	1447.9	1447.4	1447.2	1447.9
175°	1460.1	1458.4	1456.8	1455.1	1453.5	1453.0	1452.6	1452.1	1451.6	1451.4	1452.2
177.5°	1461.2	1459.5	1457.9	1456.2	1454.6	1454.4	1454.1	1453.9	1453.6	1453.5	1454.3
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	570.2	570.2	570.2	570.2
2.5°	559.7	559.7	566.2	573.3
5°	547.4	550.5	561.0	570.6
7.5°	535.6	540.8	554.0	566.2
10°	521.1	528.1	544.3	558.8
12.5°	507.1	513.6	532.5	548.7
15°	487.4	495.7	515.8	536.0
17.5°	467.6	476.0	500.5	524.2
20°	444.4	455.4	483.0	514.5
22.5°	422.9	436.5	467.2	492.6
25°	399.3	420.3	448.8	481.7
27.5°	378.2	399.3	428.2	461.5
30°	354.6	376.0	405.8	436.5
32.5°	331.8	351.5	380.4	418.1
35°	308.1	326.9	355.0	393.1
37.5°	286.6	305.0	335.7	370.8
40°	265.6	284.9	311.2	346.2
42.5°	245.9	263.0	286.6	321.7
45°	227.9	240.2	262.1	295.0
47.5°	209.1	220.0	240.2	273.0
50°	191.5	200.7	218.3	248.9
52.5°	174.4	182.3	198.5	223.1
55°	159.1	166.5	178.4	202.5
57.5°	143.3	149.0	160.4	179.7
60°	128.0	133.2	142.4	158.2
62.5°	112.6	117.0	125.8	138.5
65°	99.0	102.6	109.1	120.1
67.5°	85.9	88.1	93.4	102.1
70°	73.2	74.9	79.3	86.3
72.5°	59.6	61.4	66.2	71.0
75°	48.2	48.6	52.2	56.1
77.5°	37.7	37.3	39.9	43.0
80°	25.9	27.2	29.4	30.7
82.5°	17.5	18.0	18.8	19.7
85°	9.6	10.1	10.1	11.4
87.5°	3.9	4.4	4.4	4.8
90°	8.8	6.2	3.7	1.1
92.5°	23.5	24.4	25.4	26.3
95°	45.3	53.0	60.8	68.5
97.5°	65.7	84.8	104.0	123.2
100°	90.2	122.3	154.3	186.4
102.5°	254.5	255.0	255.4	255.9
105°	341.3	334.2	327.2	320.2
107.5°	412.5	406.7	400.8	395.0
110°	481.3	476.4	471.5	466.6

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	546.7	542.4	538.2	534.0
115°	617.5	613.6	609.6	605.6
117.5°	681.9	677.2	672.5	667.8
120°	747.8	744.3	740.8	737.3
122.5°	807.5	803.8	800.0	796.3
125°	865.4	862.4	859.3	856.3
127.5°	920.9	917.6	914.4	911.1
130°	974.0	970.2	966.5	962.7
132.5°	1024.5	1021.5	1018.4	1015.4
135°	1070.9	1067.1	1063.4	1059.6
137.5°	1114.4	1111.6	1108.8	1106.0
140°	1156.9	1155.0	1153.1	1151.2
142.5°	1194.1	1192.4	1190.8	1189.2
145°	1228.5	1228.7	1229.0	1229.2
147.5°	1261.8	1262.5	1263.2	1263.9
150°	1292.8	1294.4	1296.1	1297.7
152.5°	1320.5	1322.4	1324.2	1326.1
155°	1347.2	1349.3	1351.4	1353.5
157.5°	1370.0	1371.9	1373.7	1375.6
160°	1390.3	1391.8	1393.2	1394.6
162.5°	1407.2	1408.6	1410.0	1411.4
165°	1421.9	1423.4	1424.8	1426.2
167.5°	1433.5	1434.9	1436.3	1437.7
170°	1443.0	1444.4	1445.8	1447.2
172.5°	1449.3	1450.7	1452.1	1453.5
175°	1453.9	1455.5	1457.2	1458.8
177.5°	1456.0	1457.6	1459.3	1460.9
180°	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P998090

CATALOG NUMBER: SA2XXDIP-B290D1080UB2750-4F0-XX-W2A-A_2700K

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	10.15	10.80	11.31	11.94	13.56	7.64	8.29	8.81	9.44	11.05
	3H	10.94	11.52	12.12	12.68	14.31	8.97	9.55	10.14	10.71	12.34
	4H	11.10	11.65	12.28	12.81	14.44	9.42	9.97	10.60	11.13	12.76
	6H	11.14	11.64	12.33	12.80	14.45	9.72	10.23	10.91	11.38	13.03
	8H	11.11	11.59	12.30	12.76	14.40	9.80	10.28	10.99	11.45	13.09
	12H	11.07	11.52	12.26	12.69	14.35	9.83	10.29	11.02	11.45	13.11
4H	2H	10.16	10.71	11.35	11.87	13.50	8.06	8.61	9.25	9.77	11.40
	3H	11.13	11.58	12.32	12.76	14.41	9.50	9.96	10.70	11.14	12.79
	4H	11.39	11.82	12.59	12.98	14.65	10.03	10.45	11.22	11.62	13.28
	6H	11.51	11.87	12.71	13.06	14.72	10.40	10.76	11.59	11.95	13.60
	8H	11.51	11.84	12.70	13.03	14.70	10.50	10.84	11.70	12.02	13.69
	12H	11.46	11.77	12.67	12.96	14.63	10.55	10.86	11.76	12.05	13.72
8H	4H	11.39	11.72	12.58	12.91	14.58	10.16	10.49	11.35	11.68	13.34
	6H	11.56	11.84	12.77	13.06	14.73	10.58	10.86	11.80	12.08	13.75
	8H	11.59	11.83	12.81	13.03	14.72	10.73	10.97	11.95	12.17	13.86
	12H	11.56	11.77	12.78	12.97	14.69	10.81	11.03	12.04	12.22	13.94
12H	4H	11.33	11.64	12.55	12.83	14.51	10.12	10.43	11.33	11.62	13.29
	6H	11.54	11.78	12.75	12.98	14.67	10.58	10.82	11.80	12.02	13.71
	8H	11.56	11.77	12.78	12.97	14.69	10.73	10.94	11.95	12.14	13.86