

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: P998627

Luminaire Tested: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998627
REPORT IS A COMBINATION OF REPORTS P984370 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

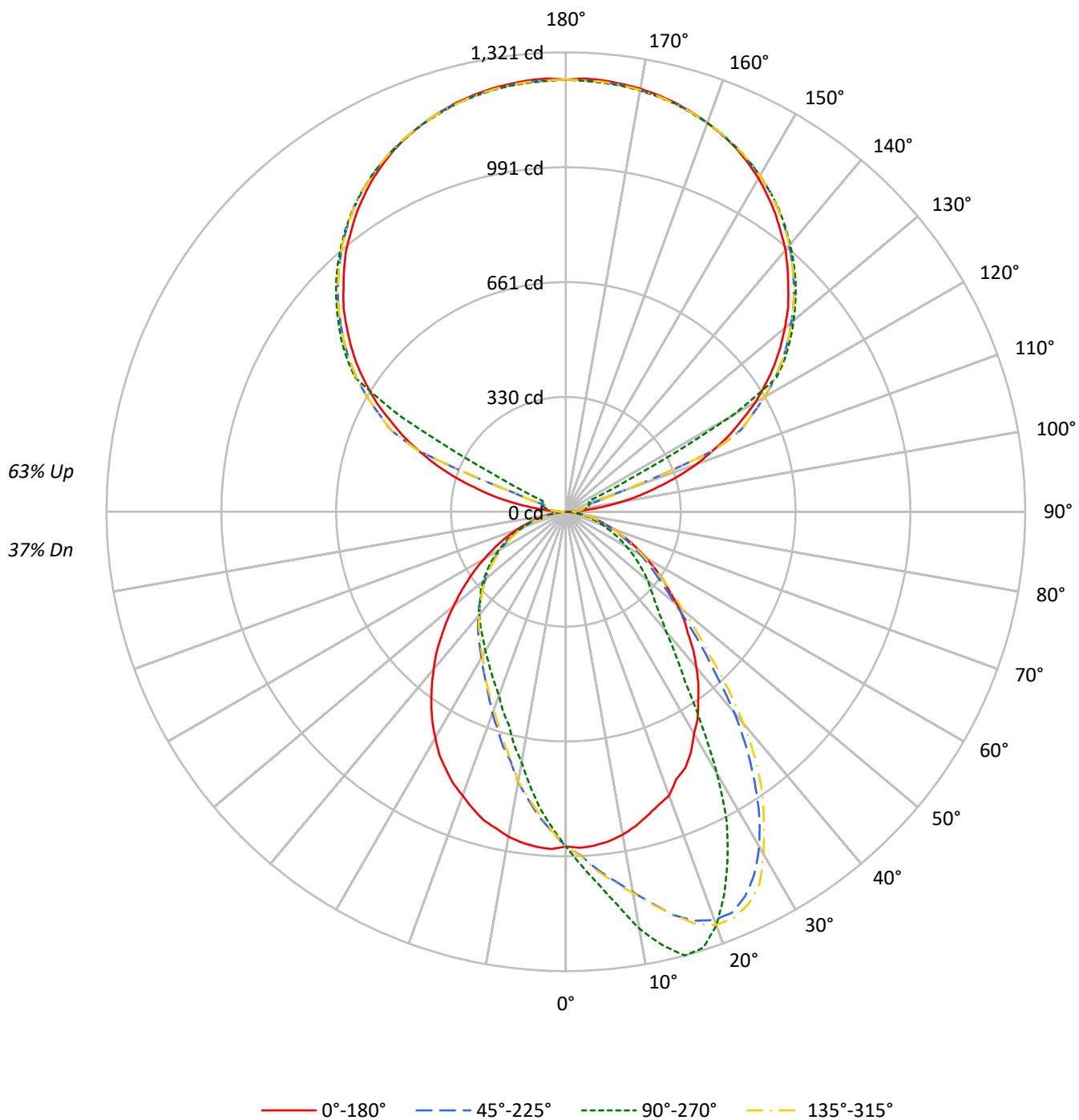
Lumens per Lamp: N/A
Luminaire Lumens: 5768.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 52.5
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

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P998627

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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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	39	38
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32
3	80	71	64	58	72	64	58	54	52	48	45	42	39	36	31	30	28
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	21
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19
7	57	45	38	32	52	42	35	30	34	29	26	28	24	21	21	19	17
8	53	41	34	29	48	38	31	27	31	26	23	25	22	19	20	17	15
9	49	38	30	25	45	35	28	24	29	24	20	23	20	17	18	16	14
10	46	34	27	23	42	32	26	21	27	22	18	22	18	16	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15231	15231	15231	15231
5°	15268	16241	15327	12921
10°	15091	17729	15185	10653
15°	14726	18701	14929	8974
20°	14495	17558	14495	7799
25°	14033	15085	14096	6975
30°	13274	11858	13526	6317
35°	12599	8200	12810	5780
40°	11826	6191	11961	5351
45°	10872	5087	11049	4890
50°	10046	4465	10063	4476
55°	9105	3805	9164	4027
60°	8102	3179	8214	3514
65°	7206	2585	7337	3001
70°	6310	2027	6470	2420
75°	5298	1472	5505	1755
80°	4136	933	4431	1043
85°	2712	470	2924	348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15745 cd/sqm

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.6
10°-20°	266.8	4.6
20°-30°	387.2	6.7
30°-40°	408.1	7.1
40°-50°	361.2	6.3
50°-60°	288.4	5.0
60°-70°	195.9	3.4
70°-80°	100.2	1.7
80°-90°	25.9	0.4
90°-100°	41.0	0.7
100°-110°	152.7	2.6
110°-120°	405.1	7.0
120°-130°	671.9	11.6
130°-140°	713.7	12.4
140°-150°	663.3	11.5
150°-160°	533.3	9.2
160°-170°	343.6	6.0
170°-180°	118.3	2.1
0°-30°	745.6	12.9
0°-40°	1153.7	20.0
0°-60°	1803.2	31.3
0°-90°	2125.2	36.8
90°-120°	598.8	10.4
90°-150°	2647.7	45.9
90°-180°	3643.0	63.2
0°-180°	5768.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	962	962	962	962	962	
5°	963	1075	967	855	963	91
15°	905	1321	917	634	905	255
25°	813	1101	816	509	813	372
35°	663	599	674	422	663	415
45°	498	361	506	347	498	386
55°	342	254	344	268	342	305
65°	203	156	206	181	203	201
75°	95	77	98	92	95	102
85°	19	20	21	15	19	22
90°	1	24	1	24	1	4
95°	58	39	58	39	58	69
105°	273	68	273	68	273	292
115°	517	74	517	74	517	509
125°	731	769	731	769	731	652
135°	904	934	904	934	904	699
145°	1049	1066	1049	1066	1049	656
155°	1155	1156	1155	1156	1155	532
165°	1217	1215	1217	1215	1217	344
175°	1245	1238	1245	1238	1245	119
180°	1243	1243	1243	1243	1243	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	967.4	969.6	973.3	974.1	981.5	987.4	994.0	994.0	996.3	995.5	989.6
5°	963.0	969.6	979.3	987.4	1000.7	1006.6	1015.5	1022.2	1028.1	1032.5	1031.8
7.5°	955.6	967.4	981.5	997.0	1014.8	1025.1	1037.7	1049.5	1057.7	1065.0	1070.2
10°	943.0	963.0	982.2	1002.9	1025.8	1039.9	1054.7	1070.2	1082.8	1096.9	1110.2
12.5°	926.0	954.8	978.5	1005.9	1034.0	1049.5	1073.2	1085.0	1109.4	1144.9	1154.5
15°	904.6	943.8	965.9	1000.7	1037.7	1050.3	1082.8	1102.0	1152.3	1174.5	1201.1
17.5°	884.6	928.2	957.8	997.7	1034.0	1058.4	1090.2	1129.4	1171.6	1203.4	1232.9
20°	868.3	910.5	946.0	990.3	1036.2	1067.3	1100.6	1147.9	1193.7	1226.3	1249.2
22.5°	831.3	885.3	926.7	976.3	1031.8	1074.7	1106.5	1158.2	1207.8	1227.8	1247.7
25°	812.8	859.4	907.5	963.7	1028.8	1079.8	1107.2	1164.9	1208.5	1215.9	1220.4
27.5°	778.8	831.3	887.5	951.9	1028.1	1071.0	1105.7	1158.2	1193.0	1187.8	1174.5
30°	736.7	801.0	863.1	932.7	1017.7	1064.3	1096.9	1144.9	1162.7	1136.1	1112.4
32.5°	705.6	766.2	835.0	915.6	1005.9	1050.3	1082.1	1119.8	1123.5	1075.4	1035.5
35°	663.4	730.7	808.4	893.5	985.9	1025.8	1055.4	1078.4	1060.6	993.3	946.0
37.5°	625.7	692.3	775.1	861.7	958.5	997.7	1021.4	1025.1	981.5	922.3	852.8
40°	584.3	653.1	739.6	830.6	928.2	962.2	977.0	965.9	903.1	834.3	753.7
42.5°	542.9	610.9	704.1	797.3	889.8	918.6	924.5	894.2	817.3	736.7	643.5
45°	497.8	568.8	662.0	755.9	845.4	861.7	862.4	818.8	727.8	643.5	556.9
47.5°	460.8	526.6	619.1	713.0	788.4	799.5	795.1	744.8	645.7	551.0	475.6
50°	420.1	483.0	574.7	667.1	731.5	734.4	723.3	651.6	554.7	468.2	408.3
52.5°	376.5	440.1	524.4	613.1	670.8	666.4	644.9	568.0	477.1	405.3	359.5
55°	341.7	397.9	477.1	563.6	604.3	591.7	568.0	489.6	417.9	357.2	317.3
57.5°	303.2	352.8	430.5	505.9	529.6	517.7	494.1	420.8	354.3	308.4	281.8
60°	267.0	312.1	380.2	443.0	461.5	448.9	421.6	355.8	307.7	269.2	249.3
62.5°	233.7	272.9	329.9	387.6	395.0	382.4	358.7	305.5	264.0	233.7	218.9
65°	202.7	239.6	285.5	329.1	335.8	322.5	298.1	259.6	224.8	205.6	191.6
67.5°	172.3	201.9	242.6	274.4	278.1	265.5	245.6	214.5	193.0	172.3	162.0
70°	145.7	167.9	199.7	225.6	227.1	215.2	204.9	176.8	160.5	145.7	137.6
72.5°	119.8	135.4	159.8	179.0	179.7	172.3	162.7	145.0	130.9	120.6	112.4
75°	94.7	108.0	122.8	139.8	139.0	133.1	125.7	114.6	102.8	96.2	92.5
77.5°	72.5	80.6	92.5	103.5	103.5	100.6	96.2	88.0	80.6	74.0	70.3
80°	51.8	57.0	66.6	70.3	71.7	71.0	67.3	61.4	58.4	53.3	51.8
82.5°	33.3	37.0	41.4	45.1	47.3	45.9	45.1	42.2	37.7	36.2	34.8
85°	19.2	20.7	22.9	25.1	25.9	25.1	26.6	24.4	22.2	22.2	21.4
87.5°	8.1	8.9	10.4	10.4	11.1	11.1	10.4	11.1	11.1	10.4	9.6
90°	0.9	3.1	5.3	7.5	9.7	10.8	11.6	13.2	14.8	16.4	18.0
92.5°	22.5	21.7	20.9	20.1	19.3	18.9	19.2	19.8	20.4	21.0	21.6
95°	58.4	51.8	45.2	38.7	32.1	28.8	29.5	30.9	32.3	33.7	35.1
97.5°	105.2	88.8	72.4	56.1	39.7	31.5	33.1	36.3	39.5	42.7	45.9
100°	159.1	131.7	104.4	77.0	49.7	36.0	37.7	41.1	44.4	47.8	51.2
102.5°	218.5	218.1	217.7	217.3	216.9	216.7	198.5	162.1	125.8	89.4	53.0
105°	273.3	279.3	285.3	291.3	297.3	300.3	273.0	218.5	163.9	109.4	54.8
107.5°	337.2	342.2	347.2	352.1	357.1	359.6	325.9	258.6	191.3	123.9	56.6
110°	398.3	402.5	406.7	410.9	415.1	417.2	388.3	330.6	272.8	215.1	157.3

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	455.9	459.5	463.1	466.6	470.2	472.0	470.3	466.9	463.6	460.2	456.8
115°	517.0	520.4	523.8	527.2	530.6	532.3	534.8	539.8	544.8	549.8	554.8
117.5°	570.0	574.0	578.0	582.0	586.0	588.0	589.7	593.1	596.5	599.9	603.3
120°	629.4	632.4	635.4	638.4	641.4	642.9	644.7	648.3	651.9	655.5	659.1
122.5°	679.7	682.9	686.1	689.3	692.5	694.1	696.1	700.1	704.1	708.1	712.1
125°	731.0	733.6	736.2	738.8	741.4	742.7	744.6	748.4	752.2	756.0	759.8
127.5°	777.7	780.5	783.3	786.1	788.9	790.3	791.8	794.8	797.8	800.8	803.8
130°	821.8	825.0	828.2	831.4	834.6	836.2	837.3	839.5	841.7	843.9	846.1
132.5°	866.8	869.4	872.0	874.5	877.1	878.4	879.5	881.7	883.9	886.1	888.3
135°	904.5	907.7	910.9	914.1	917.3	918.9	919.8	921.6	923.4	925.2	927.0
137.5°	944.1	946.5	948.9	951.3	953.7	954.9	955.9	957.9	959.9	961.9	963.9
140°	982.7	984.3	985.9	987.5	989.1	989.9	991.0	993.2	995.4	997.6	999.8
142.5°	1015.1	1016.5	1017.9	1019.3	1020.7	1021.4	1022.7	1025.3	1027.9	1030.5	1033.1
145°	1049.3	1049.1	1048.9	1048.7	1048.5	1048.4	1050.1	1053.5	1056.9	1060.3	1063.7
147.5°	1078.9	1078.3	1077.7	1077.1	1076.5	1076.2	1077.9	1081.3	1084.7	1088.1	1091.5
150°	1107.7	1106.3	1104.9	1103.5	1102.1	1101.4	1103.0	1106.2	1109.4	1112.6	1115.8
152.5°	1132.0	1130.4	1128.8	1127.2	1125.6	1124.8	1126.3	1129.3	1132.3	1135.3	1138.3
155°	1155.4	1153.6	1151.8	1150.0	1148.2	1147.3	1148.5	1150.9	1153.3	1155.7	1158.1
157.5°	1174.2	1172.6	1171.0	1169.5	1167.9	1167.1	1168.0	1169.8	1171.5	1173.3	1175.1
160°	1190.4	1189.2	1188.0	1186.8	1185.6	1185.0	1185.6	1186.8	1188.0	1189.2	1190.4
162.5°	1204.8	1203.6	1202.4	1201.2	1200.0	1199.4	1199.9	1200.9	1201.9	1202.9	1203.9
165°	1217.4	1216.2	1215.0	1213.8	1212.6	1212.0	1212.3	1212.9	1213.5	1214.1	1214.7
167.5°	1227.3	1226.1	1224.9	1223.7	1222.5	1221.9	1222.2	1222.8	1223.4	1224.0	1224.6
170°	1235.4	1234.2	1233.0	1231.8	1230.6	1230.0	1230.2	1230.6	1231.0	1231.4	1231.8
172.5°	1240.8	1239.6	1238.4	1237.2	1236.0	1235.4	1235.6	1236.0	1236.4	1236.8	1237.2
175°	1245.3	1243.9	1242.5	1241.1	1239.7	1239.0	1239.2	1239.6	1240.0	1240.4	1240.8
177.5°	1247.1	1245.7	1244.3	1242.9	1241.5	1240.8	1240.9	1241.1	1241.3	1241.5	1241.7
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	1000.0	1000.7	1002.2	1009.6	1013.3	1014.0	1011.1	1017.7	1019.9	1017.7	1016.2
5°	1047.3	1051.7	1060.6	1070.2	1069.5	1070.2	1074.7	1079.1	1080.6	1074.7	1076.9
7.5°	1088.7	1097.6	1107.2	1122.0	1122.0	1129.4	1132.4	1136.1	1144.9	1140.5	1139.0
10°	1136.1	1147.9	1165.6	1189.3	1190.0	1197.4	1204.8	1216.7	1220.4	1217.4	1218.9
12.5°	1195.2	1218.2	1219.6	1245.5	1257.3	1258.8	1270.7	1268.4	1275.8	1275.8	1288.4
15°	1221.1	1256.6	1276.6	1301.7	1309.1	1300.2	1309.9	1320.2	1321.0	1321.0	1320.2
17.5°	1267.7	1281.8	1301.7	1315.0	1318.0	1318.0	1318.7	1323.2	1320.2	1314.3	1318.7
20°	1277.3	1283.2	1290.6	1289.2	1290.6	1283.2	1275.8	1268.4	1269.2	1265.5	1276.6
22.5°	1259.6	1258.1	1241.1	1230.0	1230.0	1215.2	1201.1	1194.5	1187.8	1190.0	1193.7
25°	1215.2	1192.3	1171.6	1155.3	1151.6	1127.9	1108.7	1102.8	1091.7	1100.6	1102.0
27.5°	1144.2	1118.3	1085.0	1071.0	1051.7	1042.1	1028.8	1011.1	988.1	1001.4	999.2
30°	1068.0	1029.5	1002.2	968.2	937.8	935.6	910.5	880.9	869.1	869.1	875.7
32.5°	983.0	931.9	892.0	843.9	814.3	801.7	771.4	741.8	748.5	726.3	734.4
35°	883.8	816.5	766.2	719.6	697.5	682.7	643.5	627.2	609.4	599.1	618.3
37.5°	789.2	711.5	647.2	596.1	588.0	561.4	534.7	524.4	514.0	518.5	517.7
40°	673.8	605.0	547.3	507.4	493.3	480.8	463.0	450.4	443.8	447.5	448.2
42.5°	569.5	511.8	468.9	440.8	429.0	420.1	411.2	400.9	398.7	398.7	401.6
45°	488.9	441.6	412.7	389.8	383.1	376.5	369.8	365.4	363.9	360.9	363.2
47.5°	424.5	386.8	369.1	352.1	344.7	343.2	337.3	335.0	332.1	331.3	332.1
50°	370.5	346.9	330.6	321.0	315.8	313.6	310.6	306.2	304.7	308.4	306.9
52.5°	332.8	310.6	301.8	292.1	289.2	286.2	281.8	282.5	281.8	280.3	280.3
55°	295.1	281.1	272.2	264.8	264.0	261.1	257.4	255.9	255.2	253.7	255.9
57.5°	264.8	253.7	245.6	238.9	235.9	235.9	232.2	229.3	229.3	228.5	229.3
60°	234.5	223.4	218.2	211.5	209.3	208.6	206.4	204.9	202.7	202.7	202.7
62.5°	206.4	197.5	191.6	185.6	186.4	182.7	179.7	178.2	178.2	179.0	179.0
65°	179.7	173.8	166.4	161.2	159.8	159.0	157.5	156.8	154.6	156.1	156.1
67.5°	155.3	147.2	142.7	140.5	138.3	137.6	136.1	134.6	133.9	133.1	134.6
70°	130.9	124.3	120.6	119.1	116.9	116.1	115.4	113.2	113.9	114.6	115.4
72.5°	108.7	102.8	102.1	97.6	97.6	97.6	94.7	96.2	95.4	93.9	95.4
75°	85.8	82.8	81.4	79.1	79.9	79.1	78.4	76.2	76.2	76.9	77.7
77.5°	68.0	65.1	64.3	62.1	60.6	62.1	60.6	59.9	59.9	60.6	60.6
80°	50.3	48.8	46.6	46.6	46.6	45.9	45.9	45.9	45.1	44.4	45.1
82.5°	33.3	33.3	32.5	31.8	32.5	31.1	31.8	31.8	31.8	31.8	31.8
85°	21.4	20.7	20.7	20.0	20.0	20.0	20.7	19.2	19.2	20.0	20.0
87.5°	9.6	9.6	9.6	10.4	9.6	9.6	9.6	10.4	9.6	9.6	9.6
90°	19.0	20.0	21.0	22.0	22.5	22.7	23.1	23.5	23.9	24.3	23.9
92.5°	22.0	22.4	22.8	23.2	23.4	23.5	23.7	23.9	24.1	24.3	24.1
95°	36.1	37.1	38.1	39.1	39.6	39.5	39.3	39.1	38.9	38.7	38.9
97.5°	46.5	47.1	47.7	48.3	48.6	48.7	48.9	49.1	49.3	49.5	49.3
100°	52.8	54.4	56.0	57.6	58.4	58.6	59.0	59.4	59.8	60.2	59.8
102.5°	55.2	57.4	59.6	61.8	62.9	63.2	63.8	64.4	65.0	65.6	65.0
105°	57.0	59.2	61.4	63.6	64.7	65.1	65.9	66.7	67.5	68.3	67.5
107.5°	58.8	61.0	63.2	65.4	66.5	66.9	67.7	68.5	69.3	70.1	69.3
110°	137.3	117.3	97.4	77.4	67.4	67.8	68.6	69.4	70.2	71.0	70.2

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	370.7	284.5	198.4	112.3	69.2	69.5	70.1	70.7	71.3	71.9	71.3
115°	462.3	369.8	277.3	184.8	138.5	131.3	116.9	102.5	88.1	73.7	88.1
117.5°	574.7	546.1	517.6	489.0	474.7	448.5	396.2	343.9	291.5	239.2	291.5
120°	661.5	663.9	666.2	668.6	669.8	656.3	629.4	602.4	575.5	548.5	575.5
122.5°	713.3	714.5	715.7	716.9	717.5	717.6	717.8	718.0	718.2	718.4	718.2
125°	761.2	762.6	763.9	765.3	766.0	766.3	766.9	767.5	768.1	768.7	768.1
127.5°	805.8	807.8	809.8	811.8	812.8	812.9	813.1	813.3	813.5	813.7	813.5
130°	848.3	850.5	852.7	854.9	856.0	855.9	855.7	855.5	855.3	855.1	855.3
132.5°	890.1	891.9	893.7	895.5	896.4	896.3	896.1	895.9	895.7	895.5	895.7
135°	929.0	931.0	933.0	935.0	936.0	935.8	935.4	935.0	934.6	934.2	934.6
137.5°	965.9	967.9	969.8	971.8	972.8	972.5	971.9	971.3	970.7	970.1	970.7
140°	1001.6	1003.4	1005.2	1007.0	1007.9	1007.4	1006.4	1005.4	1004.4	1003.4	1004.4
142.5°	1034.7	1036.3	1037.9	1039.5	1040.3	1039.8	1038.8	1037.8	1036.8	1035.8	1036.8
145°	1065.1	1066.5	1067.9	1069.3	1070.0	1069.5	1068.5	1067.5	1066.5	1065.5	1066.5
147.5°	1092.5	1093.5	1094.5	1095.5	1096.0	1095.6	1094.8	1094.0	1093.2	1092.4	1093.2
150°	1117.0	1118.2	1119.4	1120.6	1121.2	1120.7	1119.7	1118.7	1117.7	1116.7	1117.7
152.5°	1139.5	1140.7	1141.9	1143.1	1143.7	1143.0	1141.6	1140.2	1138.8	1137.4	1138.8
155°	1159.3	1160.5	1161.7	1162.9	1163.5	1162.7	1161.1	1159.5	1157.9	1156.3	1157.9
157.5°	1176.5	1177.9	1179.3	1180.7	1181.4	1180.6	1179.0	1177.4	1175.8	1174.2	1175.8
160°	1191.6	1192.8	1194.0	1195.2	1195.8	1195.1	1193.7	1192.3	1190.9	1189.5	1190.9
162.5°	1205.3	1206.7	1208.1	1209.5	1210.2	1209.3	1207.5	1205.7	1203.9	1202.1	1203.9
165°	1216.1	1217.5	1218.9	1220.3	1221.0	1220.3	1218.9	1217.5	1216.1	1214.7	1216.1
167.5°	1226.0	1227.4	1228.8	1230.2	1230.9	1230.0	1228.2	1226.4	1224.6	1222.8	1224.6
170°	1233.2	1234.6	1236.0	1237.4	1238.1	1237.2	1235.4	1233.6	1231.8	1230.0	1231.8
172.5°	1238.6	1240.0	1241.4	1242.8	1243.5	1242.6	1240.8	1239.0	1237.2	1235.4	1237.2
175°	1242.2	1243.6	1245.0	1246.4	1247.1	1246.1	1244.1	1242.1	1240.1	1238.1	1240.1
177.5°	1243.1	1244.5	1245.9	1247.3	1248.0	1247.1	1245.3	1243.5	1241.7	1239.9	1241.7
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	1019.9	1014.8	1010.3	1011.1	1014.8	1011.8	1004.4	994.8	991.1	986.6	991.1
5°	1081.3	1076.9	1068.0	1068.7	1066.5	1063.6	1051.7	1036.9	1036.9	1025.1	1023.6
7.5°	1142.0	1135.3	1129.4	1127.9	1119.8	1113.9	1103.5	1082.8	1074.7	1060.6	1052.5
10°	1210.0	1204.8	1198.2	1190.0	1185.6	1175.3	1158.2	1127.9	1113.1	1093.9	1079.8
12.5°	1278.8	1278.1	1263.3	1247.0	1246.3	1230.0	1218.2	1177.5	1157.5	1131.6	1098.3
15°	1322.4	1318.7	1310.6	1302.5	1304.7	1286.9	1260.3	1212.2	1198.9	1167.9	1132.4
17.5°	1321.7	1321.7	1319.5	1318.0	1315.8	1310.6	1295.8	1264.0	1242.6	1203.4	1170.1
20°	1279.5	1289.2	1291.4	1290.6	1298.0	1301.7	1301.0	1281.0	1264.0	1229.2	1195.2
22.5°	1195.2	1217.4	1227.0	1232.9	1248.5	1256.6	1275.8	1268.4	1264.0	1238.1	1209.3
25°	1116.8	1124.2	1153.1	1154.5	1176.0	1196.0	1215.2	1227.8	1244.0	1234.4	1210.0
27.5°	1015.5	1032.5	1053.2	1068.7	1073.2	1113.9	1145.7	1169.3	1206.3	1209.3	1201.1
30°	900.9	909.0	943.0	963.7	987.4	1017.0	1062.8	1103.5	1136.8	1167.1	1177.5
32.5°	761.1	794.3	814.3	839.5	860.2	912.7	968.9	1021.4	1059.9	1110.9	1133.1
35°	633.1	659.0	693.0	703.4	741.1	785.5	858.7	926.0	984.4	1036.2	1081.3
37.5°	527.3	548.1	584.3	600.6	622.8	679.7	741.1	824.7	894.9	958.5	1014.8
40°	454.9	470.4	497.8	502.9	521.4	573.2	622.8	701.2	794.3	880.1	941.5
42.5°	405.3	412.7	431.2	437.9	449.7	484.4	528.8	602.8	689.3	778.1	864.6
45°	369.8	375.0	386.1	392.0	406.8	422.3	458.6	517.7	585.8	675.3	768.5
47.5°	338.0	344.7	349.1	352.8	360.9	377.9	401.6	445.2	510.3	592.4	682.7
50°	311.4	313.6	321.7	322.5	327.7	338.7	360.9	387.6	439.3	505.9	593.2
52.5°	284.8	287.0	292.1	297.3	299.5	308.4	323.2	345.4	383.9	436.4	514.0
55°	258.1	261.1	266.3	270.0	272.2	279.6	288.5	309.9	340.2	377.2	440.8
57.5°	231.5	238.2	239.6	241.9	245.6	253.7	261.8	274.4	298.1	332.1	378.7
60°	206.4	208.6	213.7	216.0	219.7	224.1	234.5	244.1	261.1	287.7	329.9
62.5°	180.5	185.6	187.9	190.1	193.0	198.2	204.9	215.2	230.0	251.5	284.8
65°	158.3	159.0	163.5	166.4	169.4	173.1	179.7	189.3	198.2	218.2	242.6
67.5°	136.8	138.3	139.8	142.7	146.4	150.1	156.1	161.2	172.3	185.6	204.9
70°	116.1	116.1	119.8	122.0	121.3	125.7	130.2	136.1	144.2	156.8	172.3
72.5°	97.6	96.9	99.8	100.6	102.1	105.0	108.0	113.9	118.3	128.0	139.8
75°	77.7	79.1	80.6	80.6	82.8	85.1	88.0	91.0	96.2	102.1	110.9
77.5°	61.4	61.4	62.9	63.6	65.8	65.1	68.0	71.0	74.7	79.9	86.5
80°	45.1	46.6	46.6	46.6	47.3	48.1	51.0	53.3	55.5	59.2	62.1
82.5°	31.8	31.8	33.3	33.3	33.3	34.8	34.8	35.5	37.0	39.2	41.4
85°	20.0	20.0	20.0	20.7	20.0	20.7	22.2	21.4	22.2	23.7	23.7
87.5°	9.6	9.6	9.6	9.6	9.6	10.4	9.6	10.4	11.1	11.1	11.1
90°	23.5	23.1	22.7	22.5	22.0	21.0	20.0	19.0	18.0	16.4	14.8
92.5°	23.9	23.7	23.5	23.4	23.2	22.8	22.4	22.0	21.6	21.0	20.4
95°	39.1	39.3	39.5	39.6	39.1	38.1	37.1	36.1	35.1	33.7	32.3
97.5°	49.1	48.9	48.7	48.6	48.3	47.7	47.1	46.5	45.9	42.7	39.5
100°	59.4	59.0	58.6	58.4	57.6	56.0	54.4	52.8	51.2	47.8	44.4
102.5°	64.4	63.8	63.2	62.9	61.8	59.6	57.4	55.2	53.0	49.4	45.8
105°	66.7	65.9	65.1	64.7	63.6	61.4	59.2	57.0	54.8	50.4	46.9
107.5°	68.5	67.7	66.9	66.5	65.4	63.2	61.0	58.8	56.6	52.9	49.3
110°	69.4	68.6	67.8	67.4	77.4	97.4	117.3	137.3	157.3	215.1	272.8

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	70.7	70.1	69.5	69.2	112.3	198.4	284.5	370.7	456.8	460.2	463.6
115°	102.5	116.9	131.3	138.5	184.8	277.3	369.8	462.3	554.8	549.8	544.8
117.5°	343.9	396.2	448.5	474.7	489.0	517.6	546.1	574.7	603.3	599.9	596.5
120°	602.4	629.4	656.3	669.8	668.6	666.2	663.9	661.5	659.1	655.5	651.9
122.5°	718.0	717.8	717.6	717.5	716.9	715.7	714.5	713.3	712.1	708.1	704.1
125°	767.5	766.9	766.3	766.0	765.3	763.9	762.6	761.2	759.8	756.0	752.2
127.5°	813.3	813.1	812.9	812.8	811.8	809.8	807.8	805.8	803.8	800.8	797.8
130°	855.5	855.7	855.9	856.0	854.9	852.7	850.5	848.3	846.1	843.9	841.7
132.5°	895.9	896.1	896.3	896.4	895.5	893.7	891.9	890.1	888.3	886.1	883.9
135°	935.0	935.4	935.8	936.0	935.0	933.0	931.0	929.0	927.0	925.2	923.4
137.5°	971.3	971.9	972.5	972.8	971.8	969.8	967.9	965.9	963.9	961.9	959.9
140°	1005.4	1006.4	1007.4	1007.9	1007.0	1005.2	1003.4	1001.6	999.8	997.6	995.4
142.5°	1037.8	1038.8	1039.8	1040.3	1039.5	1037.9	1036.3	1034.7	1033.1	1030.5	1027.9
145°	1067.5	1068.5	1069.5	1070.0	1069.3	1067.9	1066.5	1065.1	1063.7	1060.3	1056.9
147.5°	1094.0	1094.8	1095.6	1096.0	1095.5	1094.5	1093.5	1092.5	1091.5	1088.1	1084.7
150°	1118.7	1119.7	1120.7	1121.2	1120.6	1119.4	1118.2	1117.0	1115.8	1112.6	1109.4
152.5°	1140.2	1141.6	1143.0	1143.7	1143.1	1141.9	1140.7	1139.5	1138.3	1135.3	1132.3
155°	1159.5	1161.1	1162.7	1163.5	1162.9	1161.7	1160.5	1159.3	1158.1	1155.7	1153.3
157.5°	1177.4	1179.0	1180.6	1181.4	1180.7	1179.3	1177.9	1176.5	1175.1	1173.3	1171.5
160°	1192.3	1193.7	1195.1	1195.8	1195.2	1194.0	1192.8	1191.6	1190.4	1189.2	1188.0
162.5°	1205.7	1207.5	1209.3	1210.2	1209.5	1208.1	1206.7	1205.3	1203.9	1202.9	1201.9
165°	1217.5	1218.9	1220.3	1221.0	1220.3	1218.9	1217.5	1216.1	1214.7	1214.1	1213.5
167.5°	1226.4	1228.2	1230.0	1230.9	1230.2	1228.8	1227.4	1226.0	1224.6	1224.0	1223.4
170°	1233.6	1235.4	1237.2	1238.1	1237.4	1236.0	1234.6	1233.2	1231.8	1231.4	1231.0
172.5°	1239.0	1240.8	1242.6	1243.5	1242.8	1241.4	1240.0	1238.6	1237.2	1236.8	1236.4
175°	1242.1	1244.1	1246.1	1247.1	1246.4	1245.0	1243.6	1242.2	1240.8	1240.4	1240.0
177.5°	1243.5	1245.3	1247.1	1248.0	1247.3	1245.9	1244.5	1243.1	1241.7	1241.5	1241.3
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	987.4	983.7	981.5	983.0	978.5	967.4	967.4	971.1	966.7	962.2	955.6
5°	1014.8	1007.4	1002.9	1002.2	991.8	974.1	970.4	966.7	957.1	946.7	935.6
7.5°	1041.4	1028.1	1020.7	1015.5	1000.7	977.8	968.2	960.0	944.5	929.0	914.9
10°	1063.6	1044.3	1035.5	1027.3	1008.1	979.3	963.7	948.9	929.0	909.0	891.2
12.5°	1081.3	1059.1	1048.0	1036.2	1012.5	974.8	955.6	931.9	911.9	885.3	867.6
15°	1110.9	1065.0	1054.7	1043.6	1019.2	967.4	943.8	917.1	889.8	854.3	835.0
17.5°	1134.6	1073.2	1072.4	1048.8	1017.0	964.5	928.2	893.5	863.9	828.4	798.0
20°	1148.6	1085.8	1073.9	1049.5	1009.6	944.5	906.8	868.3	836.5	793.6	763.3
22.5°	1160.5	1103.5	1072.4	1042.9	994.0	937.8	882.4	846.1	802.5	755.9	727.0
25°	1164.9	1107.2	1074.7	1040.6	983.0	918.6	855.7	816.5	767.7	725.6	686.4
27.5°	1165.6	1106.5	1066.5	1031.0	967.4	893.5	829.1	787.7	733.7	684.9	645.7
30°	1158.2	1098.3	1062.1	1023.6	952.6	870.5	796.6	750.7	693.0	644.2	603.5
32.5°	1136.1	1082.1	1052.5	1010.3	933.4	838.7	765.5	714.5	653.8	605.7	566.5
35°	1099.1	1062.1	1029.5	990.3	908.3	809.1	734.4	674.5	613.1	567.3	530.3
37.5°	1053.2	1033.2	1002.9	964.5	879.4	782.5	699.7	633.1	571.7	527.3	491.1
40°	991.1	996.3	966.7	931.9	845.4	746.3	654.6	591.0	533.3	491.8	456.3
42.5°	923.8	945.2	928.2	894.9	807.7	706.3	621.3	551.0	494.8	451.9	422.3
45°	851.3	888.3	877.9	853.5	768.5	664.2	573.9	505.9	456.3	414.9	389.0
47.5°	772.2	824.7	824.7	806.9	724.8	622.0	533.3	463.7	414.9	385.3	360.2
50°	691.5	750.7	760.3	748.5	676.0	573.9	483.7	420.8	378.7	349.8	331.3
52.5°	607.2	676.0	693.8	687.8	624.2	528.1	443.0	381.6	343.2	318.0	301.8
55°	526.6	606.5	625.7	627.9	568.8	477.8	397.9	343.9	306.9	289.9	275.9
57.5°	450.4	527.3	548.8	552.5	512.6	431.9	355.8	308.4	275.1	261.1	250.0
60°	385.3	449.7	477.8	485.9	451.2	378.7	316.6	270.7	245.6	232.2	221.9
62.5°	332.1	383.9	413.4	415.7	400.1	332.1	275.9	237.4	216.0	204.1	199.0
65°	280.3	326.9	344.7	353.5	341.0	287.7	238.2	206.4	189.3	179.0	173.8
67.5°	238.9	268.5	283.3	295.1	282.5	242.6	202.7	176.8	164.2	153.8	150.9
70°	196.0	220.4	231.5	243.3	232.2	201.9	173.1	149.4	138.3	130.2	126.5
72.5°	156.8	176.0	186.4	193.8	187.1	162.0	138.3	122.0	113.9	108.0	105.8
75°	124.3	137.6	143.5	148.7	145.7	126.5	111.7	98.4	91.0	85.8	84.3
77.5°	94.7	104.3	110.9	112.4	108.7	96.2	83.6	75.4	69.5	66.6	65.1
80°	67.3	73.2	76.9	79.1	75.4	70.3	61.4	55.5	50.3	46.6	45.9
82.5°	45.1	48.1	51.0	50.3	48.8	44.4	39.2	36.2	34.0	31.1	31.1
85°	25.9	26.6	28.1	28.8	28.1	25.1	22.2	20.7	19.2	17.0	17.0
87.5°	11.1	11.8	11.8	12.6	11.1	11.1	9.6	8.1	8.1	7.4	6.7
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°	19.8	19.2	18.9	19.3	20.1	20.9	21.7	22.5	21.7	20.9	20.1
95°	30.9	29.5	28.8	32.1	38.7	45.2	51.8	58.4	51.8	45.2	38.7
97.5°	36.3	33.1	31.5	39.7	56.1	72.4	88.8	105.2	88.8	72.4	56.1
100°	41.1	37.7	36.0	49.7	77.0	104.4	131.7	159.1	131.7	104.4	77.0
102.5°	162.1	198.5	216.7	216.9	217.3	217.7	218.1	218.5	218.1	217.7	217.3
105°	218.5	273.0	300.3	297.3	291.3	285.3	279.3	273.3	279.3	285.3	291.3
107.5°	258.6	325.9	359.6	357.1	352.1	347.2	342.2	337.2	342.2	347.2	352.1
110°	330.6	388.3	417.2	415.1	410.9	406.7	402.5	398.3	402.5	406.7	410.9

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	466.9	470.3	472.0	470.2	466.6	463.1	459.5	455.9	459.5	463.1	466.6
115°	539.8	534.8	532.3	530.6	527.2	523.8	520.4	517.0	520.4	523.8	527.2
117.5°	593.1	589.7	588.0	586.0	582.0	578.0	574.0	570.0	574.0	578.0	582.0
120°	648.3	644.7	642.9	641.4	638.4	635.4	632.4	629.4	632.4	635.4	638.4
122.5°	700.1	696.1	694.1	692.5	689.3	686.1	682.9	679.7	682.9	686.1	689.3
125°	748.4	744.6	742.7	741.4	738.8	736.2	733.6	731.0	733.6	736.2	738.8
127.5°	794.8	791.8	790.3	788.9	786.1	783.3	780.5	777.7	780.5	783.3	786.1
130°	839.5	837.3	836.2	834.6	831.4	828.2	825.0	821.8	825.0	828.2	831.4
132.5°	881.7	879.5	878.4	877.1	874.5	872.0	869.4	866.8	869.4	872.0	874.5
135°	921.6	919.8	918.9	917.3	914.1	910.9	907.7	904.5	907.7	910.9	914.1
137.5°	957.9	955.9	954.9	953.7	951.3	948.9	946.5	944.1	946.5	948.9	951.3
140°	993.2	991.0	989.9	989.1	987.5	985.9	984.3	982.7	984.3	985.9	987.5
142.5°	1025.3	1022.7	1021.4	1020.7	1019.3	1017.9	1016.5	1015.1	1016.5	1017.9	1019.3
145°	1053.5	1050.1	1048.4	1048.5	1048.7	1048.9	1049.1	1049.3	1049.1	1048.9	1048.7
147.5°	1081.3	1077.9	1076.2	1076.5	1077.1	1077.7	1078.3	1078.9	1078.3	1077.7	1077.1
150°	1106.2	1103.0	1101.4	1102.1	1103.5	1104.9	1106.3	1107.7	1106.3	1104.9	1103.5
152.5°	1129.3	1126.3	1124.8	1125.6	1127.2	1128.8	1130.4	1132.0	1130.4	1128.8	1127.2
155°	1150.9	1148.5	1147.3	1148.2	1150.0	1151.8	1153.6	1155.4	1153.6	1151.8	1150.0
157.5°	1169.8	1168.0	1167.1	1167.9	1169.5	1171.0	1172.6	1174.2	1172.6	1171.0	1169.5
160°	1186.8	1185.6	1185.0	1185.6	1186.8	1188.0	1189.2	1190.4	1189.2	1188.0	1186.8
162.5°	1200.9	1199.9	1199.4	1200.0	1201.2	1202.4	1203.6	1204.8	1203.6	1202.4	1201.2
165°	1212.9	1212.3	1212.0	1212.6	1213.8	1215.0	1216.2	1217.4	1216.2	1215.0	1213.8
167.5°	1222.8	1222.2	1221.9	1222.5	1223.7	1224.9	1226.1	1227.3	1226.1	1224.9	1223.7
170°	1230.6	1230.2	1230.0	1230.6	1231.8	1233.0	1234.2	1235.4	1234.2	1233.0	1231.8
172.5°	1236.0	1235.6	1235.4	1236.0	1237.2	1238.4	1239.6	1240.8	1239.6	1238.4	1237.2
175°	1239.6	1239.2	1239.0	1239.7	1241.1	1242.5	1243.9	1245.3	1243.9	1242.5	1241.1
177.5°	1241.1	1240.9	1240.8	1241.5	1242.9	1244.3	1245.7	1247.1	1245.7	1244.3	1242.9
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	951.9	955.6	954.8	947.5	939.3	932.7	920.1	921.6	917.1	917.9	922.3
5°	928.2	928.2	925.3	914.9	901.6	894.2	880.1	876.4	867.6	866.8	866.1
7.5°	903.1	899.4	895.7	880.9	864.6	852.8	833.5	829.1	820.2	814.3	811.4
10°	873.5	868.3	860.9	843.9	823.9	809.1	789.2	783.3	766.2	758.8	754.4
12.5°	840.9	838.0	826.2	812.1	779.6	763.3	734.4	740.4	723.3	708.6	706.3
15°	808.4	797.3	790.7	767.7	728.5	721.1	698.2	686.4	670.8	659.0	659.0
17.5°	776.6	759.6	744.8	720.4	691.5	670.8	653.8	647.9	628.7	616.8	614.6
20°	734.4	715.2	711.5	676.8	656.8	633.9	617.6	602.8	588.7	583.6	579.9
22.5°	694.5	672.3	666.4	636.8	616.8	593.9	577.6	567.3	556.9	553.2	546.6
25°	651.6	638.3	629.4	597.6	575.4	554.0	542.9	535.5	525.9	525.1	520.7
27.5°	610.2	597.6	588.7	558.4	542.1	522.2	513.3	505.2	500.0	497.8	495.5
30°	574.7	560.6	550.3	528.1	508.1	491.8	484.4	479.3	476.3	472.6	471.9
32.5°	535.5	527.3	513.3	496.3	480.8	465.2	460.8	457.1	452.6	451.2	450.4
35°	502.2	491.1	482.2	463.0	456.3	443.0	437.9	434.9	429.0	427.5	426.0
37.5°	469.7	459.3	449.7	437.9	425.3	417.9	414.9	410.5	407.5	408.3	406.8
40°	437.1	429.0	421.6	409.0	401.6	397.9	392.0	387.6	386.1	386.8	386.1
42.5°	405.3	397.9	393.5	383.9	376.5	372.8	369.1	364.6	366.9	366.9	369.1
45°	376.5	369.8	366.9	359.5	355.0	349.1	345.4	344.7	347.6	346.9	346.9
47.5°	346.9	344.7	341.0	334.3	328.4	324.7	324.0	324.0	326.9	328.4	327.7
50°	324.0	319.5	315.1	309.9	305.5	304.0	301.8	303.2	306.2	306.2	307.7
52.5°	295.1	292.1	290.7	286.2	283.3	283.3	283.3	284.0	286.2	288.5	287.7
55°	270.0	267.7	266.3	264.0	260.3	261.1	260.3	261.8	264.0	266.3	267.7
57.5°	243.3	242.6	241.1	237.4	237.4	236.7	238.9	239.6	243.3	244.8	247.0
60°	219.7	217.4	217.4	214.5	214.5	214.5	216.7	218.9	221.9	222.6	224.1
62.5°	194.5	194.5	193.8	191.6	191.6	193.8	194.5	197.5	199.0	199.0	201.2
65°	170.9	170.1	169.4	170.1	170.9	170.9	173.1	174.5	176.0	176.8	177.5
67.5°	147.2	146.4	147.9	147.2	148.7	151.6	150.9	153.1	155.3	155.3	156.1
70°	125.0	126.5	125.7	127.2	126.5	128.0	130.2	130.9	130.9	131.7	133.9
72.5°	104.3	104.3	104.3	103.5	104.3	105.8	107.2	108.0	109.5	110.2	112.4
75°	84.3	84.3	82.8	84.3	84.3	85.8	87.3	87.3	87.3	88.8	91.0
77.5°	63.6	64.3	63.6	65.1	65.1	65.8	67.3	66.6	68.0	68.8	69.5
80°	46.6	45.9	45.9	45.9	46.6	46.6	48.1	48.8	48.8	51.0	49.6
82.5°	29.6	30.3	29.6	30.3	30.3	31.1	30.3	31.1	31.8	33.3	32.5
85°	17.0	16.3	16.3	17.0	16.3	16.3	17.0	16.3	17.0	16.3	17.0
87.5°	6.7	5.9	5.9	5.9	5.9	5.2	5.2	4.4	4.4	4.4	3.7
90°	9.7	10.8	11.6	13.2	14.8	16.4	18.0	19.0	20.0	21.0	22.0
92.5°	19.3	18.9	19.2	19.8	20.4	21.0	21.6	22.0	22.4	22.8	23.2
95°	32.1	28.8	29.5	30.9	32.3	33.7	35.1	36.1	37.1	38.1	39.1
97.5°	39.7	31.5	33.1	36.3	39.5	42.7	45.9	46.5	47.1	47.7	48.3
100°	49.7	36.0	37.7	41.1	44.4	47.8	51.2	52.8	54.4	56.0	57.6
102.5°	216.9	216.7	198.5	162.1	125.8	89.4	53.0	55.2	57.4	59.6	61.8
105°	297.3	300.3	273.0	218.5	163.9	109.4	54.8	57.0	59.2	61.4	63.6
107.5°	357.1	359.6	325.9	258.6	191.3	123.9	56.6	58.8	61.0	63.2	65.4
110°	415.1	417.2	388.3	330.6	272.8	215.1	157.3	137.3	117.3	97.4	77.4

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	470.2	472.0	470.3	466.9	463.6	460.2	456.8	370.7	284.5	198.4	112.3
115°	530.6	532.3	534.8	539.8	544.8	549.8	554.8	462.3	369.8	277.3	184.8
117.5°	586.0	588.0	589.7	593.1	596.5	599.9	603.3	574.7	546.1	517.6	489.0
120°	641.4	642.9	644.7	648.3	651.9	655.5	659.1	661.5	663.9	666.2	668.6
122.5°	692.5	694.1	696.1	700.1	704.1	708.1	712.1	713.3	714.5	715.7	716.9
125°	741.4	742.7	744.6	748.4	752.2	756.0	759.8	761.2	762.6	763.9	765.3
127.5°	788.9	790.3	791.8	794.8	797.8	800.8	803.8	805.8	807.8	809.8	811.8
130°	834.6	836.2	837.3	839.5	841.7	843.9	846.1	848.3	850.5	852.7	854.9
132.5°	877.1	878.4	879.5	881.7	883.9	886.1	888.3	890.1	891.9	893.7	895.5
135°	917.3	918.9	919.8	921.6	923.4	925.2	927.0	929.0	931.0	933.0	935.0
137.5°	953.7	954.9	955.9	957.9	959.9	961.9	963.9	965.9	967.9	969.8	971.8
140°	989.1	989.9	991.0	993.2	995.4	997.6	999.8	1001.6	1003.4	1005.2	1007.0
142.5°	1020.7	1021.4	1022.7	1025.3	1027.9	1030.5	1033.1	1034.7	1036.3	1037.9	1039.5
145°	1048.5	1048.4	1050.1	1053.5	1056.9	1060.3	1063.7	1065.1	1066.5	1067.9	1069.3
147.5°	1076.5	1076.2	1077.9	1081.3	1084.7	1088.1	1091.5	1092.5	1093.5	1094.5	1095.5
150°	1102.1	1101.4	1103.0	1106.2	1109.4	1112.6	1115.8	1117.0	1118.2	1119.4	1120.6
152.5°	1125.6	1124.8	1126.3	1129.3	1132.3	1135.3	1138.3	1139.5	1140.7	1141.9	1143.1
155°	1148.2	1147.3	1148.5	1150.9	1153.3	1155.7	1158.1	1159.3	1160.5	1161.7	1162.9
157.5°	1167.9	1167.1	1168.0	1169.8	1171.5	1173.3	1175.1	1176.5	1177.9	1179.3	1180.7
160°	1185.6	1185.0	1185.6	1186.8	1188.0	1189.2	1190.4	1191.6	1192.8	1194.0	1195.2
162.5°	1200.0	1199.4	1199.9	1200.9	1201.9	1202.9	1203.9	1205.3	1206.7	1208.1	1209.5
165°	1212.6	1212.0	1212.3	1212.9	1213.5	1214.1	1214.7	1216.1	1217.5	1218.9	1220.3
167.5°	1222.5	1221.9	1222.2	1222.8	1223.4	1224.0	1224.6	1226.0	1227.4	1228.8	1230.2
170°	1230.6	1230.0	1230.2	1230.6	1231.0	1231.4	1231.8	1233.2	1234.6	1236.0	1237.4
172.5°	1236.0	1235.4	1235.6	1236.0	1236.4	1236.8	1237.2	1238.6	1240.0	1241.4	1242.8
175°	1239.7	1239.0	1239.2	1239.6	1240.0	1240.4	1240.8	1242.2	1243.6	1245.0	1246.4
177.5°	1241.5	1240.8	1240.9	1241.1	1241.3	1241.5	1241.7	1243.1	1244.5	1245.9	1247.3
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	917.1	919.3	914.2	912.7	914.2	909.0	910.5	911.9	911.9	914.2	915.6
5°	863.9	860.9	855.7	854.3	852.8	855.0	853.5	855.7	856.5	861.7	862.4
7.5°	811.4	806.9	802.5	798.0	796.6	792.9	796.6	796.6	801.7	800.3	804.0
10°	749.2	748.5	742.6	740.4	737.4	731.5	739.6	737.4	741.1	747.8	749.2
12.5°	703.4	695.2	698.9	688.6	692.3	686.4	687.1	687.1	693.0	693.8	692.3
15°	659.7	653.1	643.5	639.0	636.8	633.9	643.5	644.2	639.8	650.1	646.4
17.5°	615.4	615.4	606.5	604.3	598.4	601.3	599.8	600.6	599.1	606.5	610.2
20°	576.9	573.2	570.2	571.0	563.6	562.1	560.6	562.1	567.3	572.5	573.9
22.5°	545.8	543.6	536.2	537.7	531.8	534.0	532.5	536.2	537.0	537.0	542.1
25°	516.3	513.3	514.0	511.1	508.9	508.9	506.6	508.9	511.8	513.3	514.0
27.5°	494.1	491.8	488.1	485.9	487.4	483.7	486.7	488.9	488.9	487.4	488.9
30°	467.4	468.9	468.9	461.5	464.5	463.0	465.2	466.7	466.7	467.4	466.0
32.5°	449.7	445.2	444.5	443.8	443.8	440.8	440.8	443.0	443.8	444.5	446.7
35°	426.0	426.0	422.3	424.5	421.6	422.3	421.6	422.3	423.8	421.6	423.8
37.5°	404.6	405.3	403.8	405.3	406.1	404.6	403.1	406.1	404.6	404.6	403.1
40°	386.1	385.3	386.1	386.1	386.1	386.8	385.3	385.3	385.3	383.9	382.4
42.5°	370.5	366.1	367.6	368.3	366.1	366.1	366.9	366.1	368.3	363.9	363.9
45°	348.4	346.9	347.6	347.6	349.1	346.9	348.4	349.1	346.9	346.1	344.7
47.5°	328.4	329.9	328.4	329.9	329.9	331.3	328.4	329.1	329.9	326.9	324.7
50°	308.4	308.4	310.6	309.9	310.6	309.2	309.2	308.4	309.2	307.7	305.5
52.5°	289.9	287.7	291.4	290.7	289.9	289.2	288.5	289.2	287.7	286.2	286.2
55°	267.0	267.0	269.2	270.0	270.0	268.5	267.0	267.7	267.0	266.3	265.5
57.5°	248.5	245.6	247.0	247.8	247.8	245.6	247.0	245.6	245.6	246.3	244.1
60°	224.8	224.8	223.4	225.6	225.6	224.1	224.1	224.8	223.4	222.6	221.9
62.5°	199.7	200.4	202.7	203.4	204.1	202.7	201.2	201.9	201.9	199.7	200.4
65°	178.2	179.7	182.7	181.9	180.5	181.2	179.7	180.5	178.2	179.0	176.8
67.5°	157.5	156.8	157.5	157.5	159.0	158.3	156.8	156.8	156.1	158.3	156.1
70°	135.4	135.4	135.4	135.4	136.1	136.8	135.4	133.9	134.6	133.1	132.4
72.5°	112.4	113.2	112.4	113.9	111.7	113.2	113.2	112.4	111.7	111.7	111.7
75°	91.0	92.5	90.2	91.0	90.2	91.7	91.0	91.0	89.5	88.8	89.5
77.5°	69.5	70.3	68.8	69.5	68.8	69.5	69.5	68.8	68.8	68.8	68.8
80°	49.6	50.3	49.6	48.8	48.1	49.6	48.1	48.8	49.6	48.8	50.3
82.5°	31.8	31.8	31.1	31.8	30.3	30.3	31.1	31.1	30.3	31.8	30.3
85°	15.5	15.5	17.0	15.5	14.8	14.8	14.8	15.5	14.8	16.3	15.5
87.5°	3.7	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.7	4.4	3.0
90°	22.5	22.7	23.1	23.5	23.9	24.3	23.9	23.5	23.1	22.7	22.5
92.5°	23.4	23.5	23.7	23.9	24.1	24.3	24.1	23.9	23.7	23.5	23.4
95°	39.6	39.5	39.3	39.1	38.9	38.7	38.9	39.1	39.3	39.5	39.6
97.5°	48.6	48.7	48.9	49.1	49.3	49.5	49.3	49.1	48.9	48.7	48.6
100°	58.4	58.6	59.0	59.4	59.8	60.2	59.8	59.4	59.0	58.6	58.4
102.5°	62.9	63.2	63.8	64.4	65.0	65.6	65.0	64.4	63.8	63.2	62.9
105°	64.7	65.1	65.9	66.7	67.5	68.3	67.5	66.7	65.9	65.1	64.7
107.5°	66.5	66.9	67.7	68.5	69.3	70.1	69.3	68.5	67.7	66.9	66.5
110°	67.4	67.8	68.6	69.4	70.2	71.0	70.2	69.4	68.6	67.8	67.4

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	69.2	69.5	70.1	70.7	71.3	71.9	71.3	70.7	70.1	69.5	69.2
115°	138.5	131.3	116.9	102.5	88.1	73.7	88.1	102.5	116.9	131.3	138.5
117.5°	474.7	448.5	396.2	343.9	291.5	239.2	291.5	343.9	396.2	448.5	474.7
120°	669.8	656.3	629.4	602.4	575.5	548.5	575.5	602.4	629.4	656.3	669.8
122.5°	717.5	717.6	717.8	718.0	718.2	718.4	718.2	718.0	717.8	717.6	717.5
125°	766.0	766.3	766.9	767.5	768.1	768.7	768.1	767.5	766.9	766.3	766.0
127.5°	812.8	812.9	813.1	813.3	813.5	813.7	813.5	813.3	813.1	812.9	812.8
130°	856.0	855.9	855.7	855.5	855.3	855.1	855.3	855.5	855.7	855.9	856.0
132.5°	896.4	896.3	896.1	895.9	895.7	895.5	895.7	895.9	896.1	896.3	896.4
135°	936.0	935.8	935.4	935.0	934.6	934.2	934.6	935.0	935.4	935.8	936.0
137.5°	972.8	972.5	971.9	971.3	970.7	970.1	970.7	971.3	971.9	972.5	972.8
140°	1007.9	1007.4	1006.4	1005.4	1004.4	1003.4	1004.4	1005.4	1006.4	1007.4	1007.9
142.5°	1040.3	1039.8	1038.8	1037.8	1036.8	1035.8	1036.8	1037.8	1038.8	1039.8	1040.3
145°	1070.0	1069.5	1068.5	1067.5	1066.5	1065.5	1066.5	1067.5	1068.5	1069.5	1070.0
147.5°	1096.0	1095.6	1094.8	1094.0	1093.2	1092.4	1093.2	1094.0	1094.8	1095.6	1096.0
150°	1121.2	1120.7	1119.7	1118.7	1117.7	1116.7	1117.7	1118.7	1119.7	1120.7	1121.2
152.5°	1143.7	1143.0	1141.6	1140.2	1138.8	1137.4	1138.8	1140.2	1141.6	1143.0	1143.7
155°	1163.5	1162.7	1161.1	1159.5	1157.9	1156.3	1157.9	1159.5	1161.1	1162.7	1163.5
157.5°	1181.4	1180.6	1179.0	1177.4	1175.8	1174.2	1175.8	1177.4	1179.0	1180.6	1181.4
160°	1195.8	1195.1	1193.7	1192.3	1190.9	1189.5	1190.9	1192.3	1193.7	1195.1	1195.8
162.5°	1210.2	1209.3	1207.5	1205.7	1203.9	1202.1	1203.9	1205.7	1207.5	1209.3	1210.2
165°	1221.0	1220.3	1218.9	1217.5	1216.1	1214.7	1216.1	1217.5	1218.9	1220.3	1221.0
167.5°	1230.9	1230.0	1228.2	1226.4	1224.6	1222.8	1224.6	1226.4	1228.2	1230.0	1230.9
170°	1238.1	1237.2	1235.4	1233.6	1231.8	1230.0	1231.8	1233.6	1235.4	1237.2	1238.1
172.5°	1243.5	1242.6	1240.8	1239.0	1237.2	1235.4	1237.2	1239.0	1240.8	1242.6	1243.5
175°	1247.1	1246.1	1244.1	1242.1	1240.1	1238.1	1240.1	1242.1	1244.1	1246.1	1247.1
177.5°	1248.0	1247.1	1245.3	1243.5	1241.7	1239.9	1241.7	1243.5	1245.3	1247.1	1248.0
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	913.4	919.3	917.1	909.0	918.6	918.6	925.3	925.3	933.4	936.4	940.8
5°	861.7	866.1	869.8	866.1	872.7	883.1	889.0	894.2	905.3	909.7	916.4
7.5°	806.2	814.3	818.0	818.0	829.1	840.9	852.8	860.2	875.7	881.6	888.3
10°	752.2	761.8	769.2	768.5	787.0	794.3	809.1	826.2	841.7	850.6	860.2
12.5°	695.2	700.4	710.8	725.6	730.0	743.3	760.3	781.8	809.9	818.0	832.1
15°	647.9	662.0	670.1	676.8	687.1	699.7	718.2	738.9	767.0	784.7	799.5
17.5°	608.0	626.5	631.6	630.2	643.5	662.7	684.1	699.7	724.8	746.3	760.3
20°	575.4	582.8	591.7	595.4	605.7	626.5	647.2	664.9	685.6	702.6	718.9
22.5°	542.9	548.8	556.2	562.8	571.0	582.8	602.8	625.0	644.9	661.2	679.7
25°	516.3	520.0	526.6	531.8	540.7	548.8	562.8	587.3	610.9	620.5	636.8
27.5°	490.4	493.3	497.8	503.7	508.1	516.3	528.8	548.8	573.2	582.8	605.0
30°	467.4	469.7	474.1	477.1	479.3	488.9	498.5	514.0	532.5	545.8	562.1
32.5°	446.0	448.2	452.6	453.4	456.3	461.5	470.4	484.4	500.7	511.8	525.9
35°	422.3	423.8	428.2	429.7	431.9	436.4	443.0	453.4	468.2	476.3	488.9
37.5°	403.8	403.1	406.1	408.3	411.2	413.4	415.7	426.0	437.1	444.5	454.1
40°	383.9	382.4	383.1	386.1	387.6	390.5	390.5	400.9	408.3	414.2	421.6
42.5°	363.9	363.2	361.7	363.2	364.6	365.4	366.1	373.5	380.9	386.1	394.2
45°	343.9	343.2	341.7	342.4	342.4	343.9	346.1	349.1	354.3	358.7	363.2
47.5°	325.4	324.0	321.7	321.0	322.5	322.5	322.5	325.4	330.6	332.1	336.5
50°	306.2	304.0	301.0	299.5	299.5	298.8	300.3	301.0	305.5	306.9	310.6
52.5°	285.5	284.0	281.1	278.1	278.8	277.4	278.1	278.8	280.3	282.5	284.8
55°	264.8	261.8	259.6	258.9	256.6	256.6	254.4	257.4	256.6	257.4	260.3
57.5°	244.8	241.9	238.2	236.7	234.5	233.7	232.2	231.5	232.2	234.5	236.7
60°	221.1	219.7	217.4	215.2	213.7	211.5	210.1	210.1	209.3	209.3	210.1
62.5°	198.2	197.5	194.5	193.8	192.3	190.8	188.6	187.1	187.1	188.6	189.3
65°	176.0	175.3	173.1	172.3	168.6	167.2	166.4	165.7	164.2	164.2	164.2
67.5°	155.3	153.1	153.1	149.4	146.4	145.0	143.5	142.7	142.7	142.7	143.5
70°	132.4	132.4	130.2	128.0	125.0	125.7	123.5	121.3	121.3	119.8	120.6
72.5°	110.2	109.5	107.2	106.5	104.3	102.1	100.6	102.1	99.8	99.1	99.8
75°	88.8	88.0	86.5	85.1	85.8	83.6	81.4	80.6	80.6	79.1	79.1
77.5°	68.0	69.5	66.6	65.8	64.3	62.9	62.1	61.4	61.4	61.4	62.9
80°	47.3	48.1	48.1	46.6	47.3	45.1	45.1	45.1	42.9	43.6	44.4
82.5°	30.3	30.3	29.6	30.3	29.6	29.6	28.8	28.8	28.1	28.1	28.8
85°	17.0	16.3	15.5	17.0	16.3	16.3	15.5	15.5	15.5	15.5	15.5
87.5°	3.7	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.9	5.9	5.9
90°	22.0	21.0	20.0	19.0	18.0	16.4	14.8	13.2	11.6	10.8	9.7
92.5°	23.2	22.8	22.4	22.0	21.6	21.0	20.4	19.8	19.2	18.9	19.3
95°	39.1	38.1	37.1	36.1	35.1	33.7	32.3	30.9	29.5	28.8	32.1
97.5°	48.3	47.7	47.1	46.5	45.9	42.7	39.5	36.3	33.1	31.5	39.7
100°	57.6	56.0	54.4	52.8	51.2	47.8	44.4	41.1	37.7	36.0	49.7
102.5°	61.8	59.6	57.4	55.2	53.0	89.4	125.8	162.1	198.5	216.7	216.9
105°	63.6	61.4	59.2	57.0	54.8	109.4	163.9	218.5	273.0	300.3	297.3
107.5°	65.4	63.2	61.0	58.8	56.6	123.9	191.3	258.6	325.9	359.6	357.1
110°	77.4	97.4	117.3	137.3	157.3	215.1	272.8	330.6	388.3	417.2	415.1

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	112.3	198.4	284.5	370.7	456.8	460.2	463.6	466.9	470.3	472.0	470.2
115°	184.8	277.3	369.8	462.3	554.8	549.8	544.8	539.8	534.8	532.3	530.6
117.5°	489.0	517.6	546.1	574.7	603.3	599.9	596.5	593.1	589.7	588.0	586.0
120°	668.6	666.2	663.9	661.5	659.1	655.5	651.9	648.3	644.7	642.9	641.4
122.5°	716.9	715.7	714.5	713.3	712.1	708.1	704.1	700.1	696.1	694.1	692.5
125°	765.3	763.9	762.6	761.2	759.8	756.0	752.2	748.4	744.6	742.7	741.4
127.5°	811.8	809.8	807.8	805.8	803.8	800.8	797.8	794.8	791.8	790.3	788.9
130°	854.9	852.7	850.5	848.3	846.1	843.9	841.7	839.5	837.3	836.2	834.6
132.5°	895.5	893.7	891.9	890.1	888.3	886.1	883.9	881.7	879.5	878.4	877.1
135°	935.0	933.0	931.0	929.0	927.0	925.2	923.4	921.6	919.8	918.9	917.3
137.5°	971.8	969.8	967.9	965.9	963.9	961.9	959.9	957.9	955.9	954.9	953.7
140°	1007.0	1005.2	1003.4	1001.6	999.8	997.6	995.4	993.2	991.0	989.9	989.1
142.5°	1039.5	1037.9	1036.3	1034.7	1033.1	1030.5	1027.9	1025.3	1022.7	1021.4	1020.7
145°	1069.3	1067.9	1066.5	1065.1	1063.7	1060.3	1056.9	1053.5	1050.1	1048.4	1048.5
147.5°	1095.5	1094.5	1093.5	1092.5	1091.5	1088.1	1084.7	1081.3	1077.9	1076.2	1076.5
150°	1120.6	1119.4	1118.2	1117.0	1115.8	1112.6	1109.4	1106.2	1103.0	1101.4	1102.1
152.5°	1143.1	1141.9	1140.7	1139.5	1138.3	1135.3	1132.3	1129.3	1126.3	1124.8	1125.6
155°	1162.9	1161.7	1160.5	1159.3	1158.1	1155.7	1153.3	1150.9	1148.5	1147.3	1148.2
157.5°	1180.7	1179.3	1177.9	1176.5	1175.1	1173.3	1171.5	1169.8	1168.0	1167.1	1167.9
160°	1195.2	1194.0	1192.8	1191.6	1190.4	1189.2	1188.0	1186.8	1185.6	1185.0	1185.6
162.5°	1209.5	1208.1	1206.7	1205.3	1203.9	1202.9	1201.9	1200.9	1199.9	1199.4	1200.0
165°	1220.3	1218.9	1217.5	1216.1	1214.7	1214.1	1213.5	1212.9	1212.3	1212.0	1212.6
167.5°	1230.2	1228.8	1227.4	1226.0	1224.6	1224.0	1223.4	1222.8	1222.2	1221.9	1222.5
170°	1237.4	1236.0	1234.6	1233.2	1231.8	1231.4	1231.0	1230.6	1230.2	1230.0	1230.6
172.5°	1242.8	1241.4	1240.0	1238.6	1237.2	1236.8	1236.4	1236.0	1235.6	1235.4	1236.0
175°	1246.4	1245.0	1243.6	1242.2	1240.8	1240.4	1240.0	1239.6	1239.2	1239.0	1239.7
177.5°	1247.3	1245.9	1244.5	1243.1	1241.7	1241.5	1241.3	1241.1	1240.9	1240.8	1241.5
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	962.2	962.2	962.2	962.2
2.5°	944.5	944.5	955.6	967.4
5°	923.8	929.0	946.7	963.0
7.5°	903.8	912.7	934.9	955.6
10°	879.4	891.2	918.6	943.0
12.5°	855.7	866.8	898.6	926.0
15°	822.5	836.5	870.5	904.6
17.5°	789.2	803.2	844.6	884.6
20°	750.0	768.5	815.1	868.3
22.5°	713.7	736.7	788.4	831.3
25°	673.8	709.3	757.4	812.8
27.5°	638.3	673.8	722.6	778.8
30°	598.4	634.6	684.9	736.7
32.5°	559.9	593.2	642.0	705.6
35°	520.0	551.8	599.1	663.4
37.5°	483.7	514.8	566.5	625.7
40°	448.2	480.8	525.1	584.3
42.5°	414.9	443.8	483.7	542.9
45°	384.6	405.3	442.3	497.8
47.5°	352.8	371.3	405.3	460.8
50°	323.2	338.7	368.3	420.1
52.5°	294.4	307.7	335.0	376.5
55°	268.5	281.1	301.0	341.7
57.5°	241.9	251.5	270.7	303.2
60°	216.0	224.8	240.4	267.0
62.5°	190.1	197.5	212.3	233.7
65°	167.2	173.1	184.2	202.7
67.5°	145.0	148.7	157.5	172.3
70°	123.5	126.5	133.9	145.7
72.5°	100.6	103.5	111.7	119.8
75°	81.4	82.1	88.0	94.7
77.5°	63.6	62.9	67.3	72.5
80°	43.6	45.9	49.6	51.8
82.5°	29.6	30.3	31.8	33.3
85°	16.3	17.0	17.0	19.2
87.5°	6.7	7.4	7.4	8.1
90°	7.5	5.3	3.1	0.9
92.5°	20.1	20.9	21.7	22.5
95°	38.7	45.2	51.8	58.4
97.5°	56.1	72.4	88.8	105.2
100°	77.0	104.4	131.7	159.1
102.5°	217.3	217.7	218.1	218.5
105°	291.3	285.3	279.3	273.3
107.5°	352.1	347.2	342.2	337.2
110°	410.9	406.7	402.5	398.3



TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	466.6	463.1	459.5	455.9
115°	527.2	523.8	520.4	517.0
117.5°	582.0	578.0	574.0	570.0
120°	638.4	635.4	632.4	629.4
122.5°	689.3	686.1	682.9	679.7
125°	738.8	736.2	733.6	731.0
127.5°	786.1	783.3	780.5	777.7
130°	831.4	828.2	825.0	821.8
132.5°	874.5	872.0	869.4	866.8
135°	914.1	910.9	907.7	904.5
137.5°	951.3	948.9	946.5	944.1
140°	987.5	985.9	984.3	982.7
142.5°	1019.3	1017.9	1016.5	1015.1
145°	1048.7	1048.9	1049.1	1049.3
147.5°	1077.1	1077.7	1078.3	1078.9
150°	1103.5	1104.9	1106.3	1107.7
152.5°	1127.2	1128.8	1130.4	1132.0
155°	1150.0	1151.8	1153.6	1155.4
157.5°	1169.5	1171.0	1172.6	1174.2
160°	1186.8	1188.0	1189.2	1190.4
162.5°	1201.2	1202.4	1203.6	1204.8
165°	1213.8	1215.0	1216.2	1217.4
167.5°	1223.7	1224.9	1226.1	1227.3
170°	1231.8	1233.0	1234.2	1235.4
172.5°	1237.2	1238.4	1239.6	1240.8
175°	1241.1	1242.5	1243.9	1245.3
177.5°	1242.9	1244.3	1245.7	1247.1
180°	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P998627

CATALOG NUMBER: SA2XXDIP-B485D925UB2750-4F0-XX-W2A-A_4000K

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	13.94	14.67	15.01	15.74	17.19	11.43	12.16	12.50	13.23	14.68
	3H	14.74	15.39	15.82	16.47	17.94	12.77	13.42	13.84	14.49	15.96
	4H	14.90	15.52	15.99	16.60	18.07	13.22	13.84	14.31	14.92	16.39
	6H	14.94	15.51	16.04	16.59	18.08	13.52	14.09	14.62	15.17	16.66
	8H	14.92	15.46	16.02	16.56	18.04	13.60	14.14	14.70	15.24	16.72
	12H	14.88	15.39	15.98	16.48	17.98	13.64	14.16	14.75	15.24	16.75
4H	2H	13.96	14.58	15.06	15.66	17.14	11.86	12.48	12.96	13.56	15.03
	3H	14.93	15.45	16.03	16.55	18.04	13.31	13.83	14.41	14.93	16.42
	4H	15.20	15.68	16.31	16.77	18.28	13.84	14.31	14.95	15.41	16.91
	6H	15.33	15.73	16.44	16.85	18.35	14.21	14.62	15.33	15.73	17.24
	8H	15.32	15.70	16.44	16.81	18.33	14.32	14.70	15.43	15.81	17.32
	12H	15.28	15.62	16.41	16.75	18.27	14.37	14.71	15.50	15.83	17.36
8H	4H	15.20	15.58	16.32	16.69	18.21	13.97	14.35	15.09	15.46	16.98
	6H	15.38	15.69	16.51	16.84	18.35	14.40	14.71	15.54	15.87	17.38
	8H	15.41	15.68	16.55	16.81	18.35	14.55	14.82	15.69	15.96	17.49
	12H	15.39	15.63	16.53	16.75	18.32	14.64	14.88	15.78	16.01	17.58
12H	4H	15.16	15.50	16.29	16.62	18.14	13.94	14.28	15.07	15.40	16.93
	6H	15.36	15.63	16.50	16.76	18.29	14.40	14.67	15.54	15.81	17.34
	8H	15.38	15.62	16.53	16.75	18.32	14.55	14.79	15.70	15.92	17.49