

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: P1026968

Luminaire Tested: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026968
REPORT IS A COMBINATION OF REPORTS P1002372 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

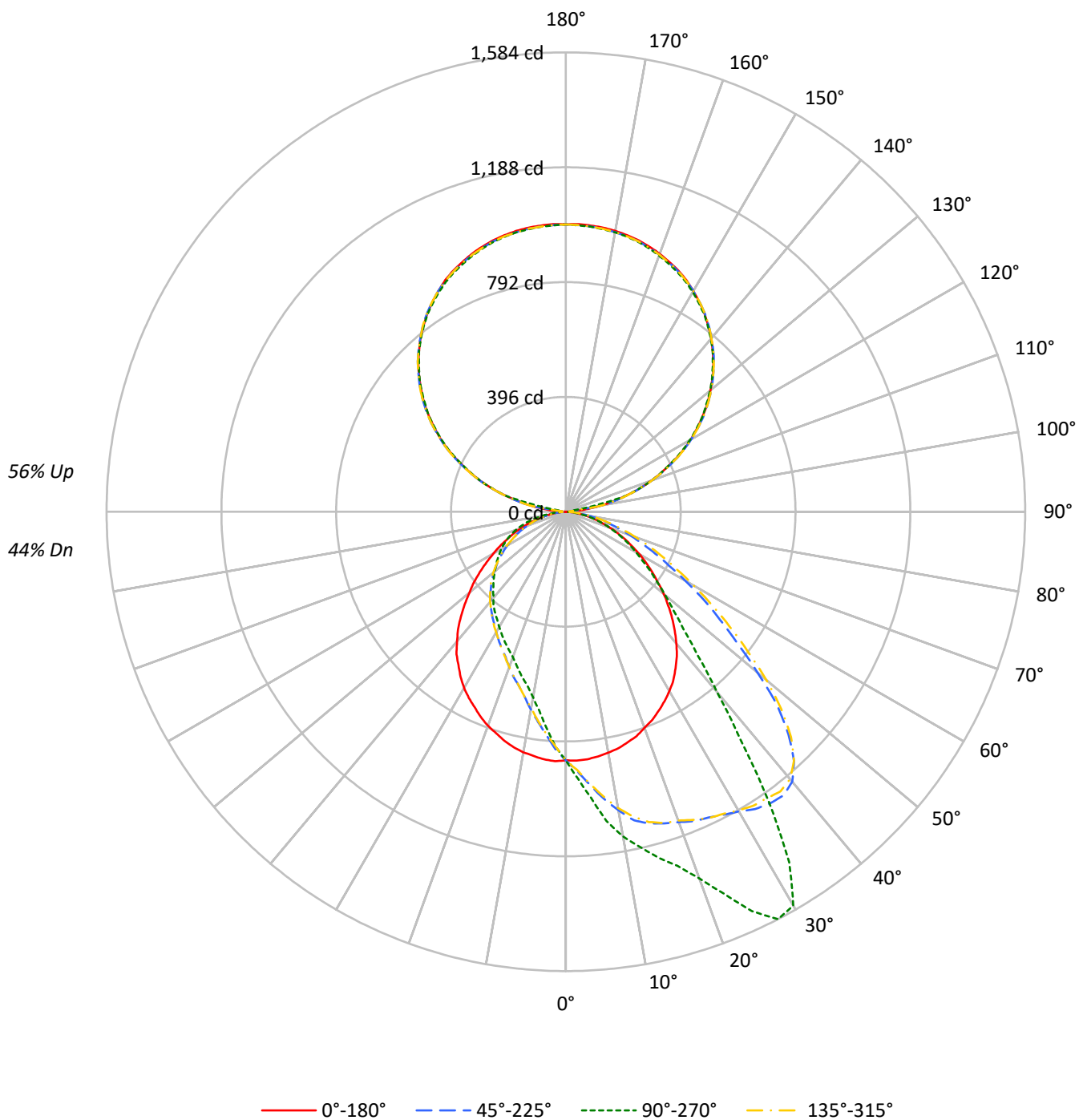
Lumens per Lamp: N/A
Luminaire Lumens: 5464.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	93	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37
3	81	71	64	58	73	66	59	54	55	50	46	45	42	39	36	33	31
4	74	63	55	50	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	42	37	57	47	40	34	39	34	30	33	28	25	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	30	25	22	24	21	19
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5492	5492	5492	5492
5°	5497	6231	5501	4727
10°	5463	7102	5454	4057
15°	5423	7700	5389	3666
20°	5355	8438	5305	3347
25°	5293	9668	5197	3158
30°	5206	10200	5116	2987
35°	5068	8176	4962	2849
40°	4853	5651	4781	2704
45°	4580	4207	4529	2583
50°	4269	3464	4198	2486
55°	3932	2954	3901	2402
60°	3602	2529	3540	2337
65°	3246	2184	3194	2242
70°	2870	1813	2833	2077
75°	2473	1403	2439	1802
80°	1952	948	1881	1325
85°	1246	474	1206	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8389 cd/sqm

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.5
10°-20°	245.7	4.5
20°-30°	399.2	7.3
30°-40°	487.9	8.9
40°-50°	442.5	8.1
50°-60°	352.5	6.5
60°-70°	245.5	4.5
70°-80°	130.8	2.4
80°-90°	33.9	0.6
90°-100°	33.6	0.6
100°-110°	223.6	4.1
110°-120°	402.7	7.4
120°-130°	516.9	9.5
130°-140°	555.9	10.2
140°-150°	521.7	9.5
150°-160°	422.0	7.7
160°-170°	272.9	5.0
170°-180°	94.1	1.7
0°-30°	727.4	13.3
0°-40°	1215.3	22.2
0°-60°	2010.3	36.8
0°-90°	2420.5	44.3
90°-120°	659.9	12.1
90°-150°	2254.4	41.3
90°-180°	3044.0	55.7
0°-180°	5464.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	857	857	857	857	857	
5°	856	989	857	750	856	81
15°	823	1235	818	588	823	232
25°	758	1519	744	496	758	349
35°	659	1220	646	425	659	412
45°	518	575	512	353	518	399
55°	365	354	362	288	365	326
65°	226	218	222	223	226	224
75°	109	107	108	138	109	116
85°	22	24	21	34	22	26
90°	1	18	1	18	1	4
95°	42	15	42	15	42	51
105°	216	218	216	218	216	229
115°	405	402	405	402	405	402
125°	577	577	577	577	577	515
135°	719	716	719	716	719	554
145°	834	831	834	831	834	521
155°	918	912	918	912	918	423
165°	969	964	969	964	969	274
175°	991	986	991	986	991	94
180°	991	991	991	991	991	

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	858.7	863.8	869.6	874.0	881.3	883.4	887.1	889.3	891.4	893.6	895.1
5°	856.5	868.9	879.8	887.8	901.6	906.7	913.3	921.3	930.7	938.7	943.8
7.5°	850.7	870.3	884.9	900.9	919.8	932.2	938.7	955.5	970.8	982.4	997.7
10°	843.4	866.7	889.3	913.3	940.2	954.0	967.1	990.4	1011.5	1030.4	1045.7
12.5°	835.4	863.8	890.7	922.0	958.4	975.1	983.9	1023.9	1050.1	1060.3	1090.1
15°	823.0	856.5	895.1	933.6	964.2	983.9	1007.9	1039.9	1066.1	1088.6	1112.7
17.5°	811.4	847.8	887.1	930.0	974.4	999.9	1018.1	1046.4	1074.8	1103.9	1126.5
20°	792.5	839.8	879.8	925.6	978.0	996.2	1015.1	1048.6	1079.2	1110.5	1138.9
22.5°	777.2	822.3	876.9	920.5	964.9	983.1	1006.4	1041.3	1077.7	1113.4	1154.9
25°	757.5	807.8	855.1	901.6	947.5	967.1	988.2	1033.3	1071.2	1117.0	1162.9
27.5°	736.4	788.1	835.4	877.6	920.5	947.5	970.0	1017.3	1067.5	1117.8	1177.4
30°	713.9	762.6	807.8	849.2	896.5	924.2	946.7	1002.1	1058.1	1122.1	1193.4
32.5°	689.9	735.7	774.3	816.5	866.7	892.2	922.7	983.1	1049.4	1125.8	1215.3
35°	659.3	703.0	737.2	780.1	830.3	863.1	895.1	962.8	1039.9	1125.0	1227.6
37.5°	628.7	662.9	695.7	741.5	799.7	829.6	863.1	937.3	1025.3	1122.9	1232.7
40°	592.4	625.8	654.2	700.8	761.9	796.1	831.0	908.9	1008.6	1114.8	1214.5
42.5°	556.0	584.3	615.6	664.4	723.3	759.7	796.8	883.4	986.8	1091.6	1164.3
45°	518.1	540.0	574.2	618.5	681.1	716.1	758.3	852.1	956.2	1049.4	1085.7
47.5°	478.8	500.7	532.7	575.6	637.5	678.9	719.0	812.8	917.6	989.7	989.7
50°	441.0	458.5	489.7	532.7	595.3	633.1	673.9	773.6	858.0	911.1	863.8
52.5°	400.2	419.9	446.1	491.2	553.1	587.3	631.6	716.8	796.8	818.7	745.9
55°	364.6	380.6	405.3	448.3	505.8	541.4	579.3	660.8	728.4	727.0	649.1
57.5°	327.5	340.6	366.8	406.1	459.2	491.2	529.0	599.6	654.9	635.3	561.8
60°	293.3	302.7	328.2	360.2	411.2	441.0	477.4	534.9	577.1	549.4	475.2
62.5°	257.6	268.5	288.9	320.2	365.3	389.3	416.2	474.5	501.4	476.6	401.0
65°	225.6	234.3	252.5	278.7	319.5	341.3	364.6	412.6	438.1	402.4	339.8
67.5°	193.6	203.8	216.9	240.1	272.2	292.5	312.9	354.4	366.0	334.0	281.6
70°	163.7	172.5	184.8	201.6	228.5	246.7	262.0	296.2	304.2	274.3	232.9
72.5°	134.6	140.4	150.6	164.5	189.2	199.4	215.4	238.7	248.9	222.0	192.1
75°	109.2	113.5	120.1	130.3	147.0	157.9	171.0	192.8	192.1	173.2	152.1
77.5°	84.4	85.1	92.4	101.9	112.1	121.5	128.1	143.4	144.8	133.2	115.7
80°	60.4	62.6	65.5	72.8	81.5	85.1	93.1	102.6	104.1	95.3	83.7
82.5°	38.6	40.0	42.2	46.6	52.4	56.8	61.1	64.8	68.4	63.3	53.9
85°	21.8	22.6	24.7	26.2	29.1	31.3	34.9	38.6	37.8	34.2	31.3
87.5°	10.9	10.9	10.9	12.4	13.8	13.8	15.3	16.0	16.7	15.3	13.8
90°	0.7	2.0	3.3	4.6	5.9	6.6	7.2	8.3	9.5	10.6	11.8
92.5°	14.0	12.5	11.0	9.5	8.0	7.3	7.8	8.8	9.8	10.8	11.8
95°	41.9	41.4	40.9	40.4	39.9	39.7	36.6	30.4	24.2	18.0	11.8
97.5°	78.6	79.6	80.6	81.5	82.5	83.0	75.2	59.7	44.2	28.7	13.2
100°	122.7	123.2	123.7	124.2	124.7	124.9	125.2	125.9	126.5	127.2	127.8
102.5°	167.5	168.1	168.8	169.4	170.1	170.4	170.6	170.9	171.2	171.6	171.9
105°	215.9	216.6	217.2	217.9	218.6	218.9	218.9	218.9	218.9	218.9	218.9
107.5°	265.9	265.9	265.9	265.9	265.9	265.9	266.1	266.4	266.7	267.0	267.3
110°	314.4	314.4	314.4	314.4	314.4	314.4	314.6	314.9	315.2	315.5	315.8



TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	359.9	360.4	360.9	361.4	361.9	362.1	362.2	362.3	362.5	362.6	362.8
115°	405.4	406.2	407.0	407.9	408.7	409.1	409.2	409.3	409.5	409.6	409.8
117.5°	453.2	453.2	453.2	453.2	453.2	453.2	453.5	454.2	454.8	455.5	456.1
120°	497.2	497.0	496.9	496.7	496.6	496.5	496.7	497.2	497.7	498.2	498.7
122.5°	536.2	537.0	537.8	538.6	539.4	539.8	539.9	540.1	540.2	540.4	540.6
125°	576.6	577.7	578.9	580.0	581.1	581.7	581.7	581.7	581.7	581.7	581.7
127.5°	615.5	616.3	617.1	618.0	618.8	619.2	619.1	618.9	618.8	618.6	618.4
130°	650.7	651.5	652.3	653.2	654.0	654.4	654.5	654.6	654.8	654.9	655.1
132.5°	686.0	687.0	688.0	688.9	689.9	690.4	690.2	689.7	689.2	688.7	688.2
135°	719.0	720.0	721.0	722.0	723.0	723.5	723.3	723.0	722.7	722.3	722.0
137.5°	749.9	750.9	751.9	752.8	753.8	754.3	754.1	753.8	753.5	753.1	752.8
140°	780.0	780.3	780.7	781.0	781.3	781.5	781.4	781.2	781.1	780.9	780.7
142.5°	807.2	807.4	807.5	807.7	807.8	807.9	808.1	808.4	808.7	809.1	809.4
145°	833.6	833.9	834.3	834.6	834.9	835.1	835.1	835.1	835.1	835.1	835.1
147.5°	857.1	857.1	857.1	857.1	857.1	857.1	857.2	857.4	857.5	857.7	857.9
150°	879.2	878.9	878.5	878.2	877.9	877.7	877.9	878.2	878.5	878.9	879.2
152.5°	900.5	899.7	898.9	898.0	897.2	896.8	897.0	897.3	897.6	898.0	898.3
155°	918.1	917.1	916.1	915.2	914.2	913.7	913.9	914.2	914.5	914.9	915.2
157.5°	932.0	931.5	931.0	930.5	930.0	929.8	929.8	929.8	929.8	929.8	929.8
160°	946.7	945.7	944.7	943.8	942.8	942.3	942.4	942.6	942.7	942.9	943.1
162.5°	958.5	957.5	956.5	955.6	954.6	954.1	954.2	954.3	954.5	954.6	954.8
165°	968.8	967.8	966.8	965.9	964.9	964.4	964.5	964.6	964.8	964.9	965.1
167.5°	976.8	975.8	974.8	973.9	972.9	972.4	972.5	972.7	972.8	973.0	973.2
170°	983.5	982.3	981.2	980.0	978.9	978.3	978.4	978.5	978.7	978.8	979.0
172.5°	987.9	986.7	985.6	984.4	983.3	982.7	982.9	983.2	983.5	983.9	984.2
175°	990.8	989.8	988.8	987.9	986.9	986.4	986.5	986.6	986.8	986.9	987.1
177.5°	993.0	992.0	991.0	990.1	989.1	988.6	988.7	988.8	989.0	989.1	989.3
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	896.5	901.6	906.0	909.6	912.5	916.9	914.0	914.7	916.2	919.1	919.1
5°	954.8	962.8	967.1	981.7	985.3	984.6	982.4	994.0	993.3	989.0	988.2
7.5°	1011.5	1025.3	1037.7	1049.4	1053.0	1062.5	1064.6	1069.7	1068.3	1075.5	1071.9
10°	1063.2	1085.0	1096.7	1114.1	1118.5	1122.9	1128.7	1131.6	1138.1	1137.4	1137.4
12.5°	1103.2	1129.4	1144.7	1149.0	1165.8	1170.9	1176.0	1185.4	1183.2	1184.0	1188.3
15°	1134.5	1160.0	1173.1	1193.4	1205.1	1210.9	1219.6	1229.8	1228.4	1234.9	1233.5
17.5°	1157.8	1181.8	1205.8	1236.4	1237.1	1252.4	1272.8	1277.1	1286.6	1280.0	1280.0
20°	1176.7	1208.7	1242.9	1282.2	1286.6	1296.0	1320.8	1337.5	1348.4	1344.8	1347.0
22.5°	1197.1	1242.9	1282.9	1322.2	1343.3	1360.1	1384.1	1410.3	1419.8	1425.6	1424.1
25°	1223.3	1271.3	1330.2	1384.8	1406.7	1438.7	1470.7	1496.2	1503.4	1519.4	1504.9
27.5°	1250.2	1317.9	1391.4	1455.4	1483.1	1509.3	1547.8	1566.8	1576.2	1583.5	1578.4
30°	1272.8	1365.9	1446.0	1504.9	1524.5	1539.8	1561.7	1566.0	1562.4	1568.2	1575.5
32.5°	1307.7	1398.7	1466.3	1494.7	1492.5	1491.8	1475.1	1451.8	1446.7	1432.9	1451.8
35°	1326.6	1399.4	1425.6	1387.7	1372.5	1344.8	1291.7	1256.7	1226.2	1219.6	1221.1
37.5°	1315.7	1344.1	1312.8	1213.1	1188.3	1146.1	1075.5	1026.1	1003.5	986.0	1008.6
40°	1256.7	1225.5	1139.6	1018.1	982.4	942.4	876.2	849.2	817.2	810.7	840.5
42.5°	1159.2	1063.9	942.4	848.5	811.4	788.8	733.5	708.1	685.5	675.3	692.0
45°	1026.8	911.1	788.8	711.7	680.4	653.5	620.7	593.8	579.3	574.9	588.7
47.5°	890.0	767.7	670.2	612.7	580.0	559.6	529.0	513.8	502.1	503.6	505.8
50°	759.0	647.7	572.7	515.2	499.2	483.2	462.8	449.7	443.9	446.1	444.6
52.5°	646.2	556.0	492.7	448.3	441.0	425.7	409.0	398.1	395.9	396.6	398.8
55°	547.2	476.6	426.4	394.4	386.4	375.5	365.3	358.0	352.2	354.4	353.7
57.5°	472.3	410.4	371.9	345.7	339.8	333.3	323.8	320.2	318.0	313.6	317.3
60°	406.1	355.8	322.4	306.4	301.3	296.9	286.7	282.3	280.9	278.7	284.5
62.5°	343.5	307.8	282.3	267.8	262.7	258.3	253.2	249.6	250.3	247.4	250.3
65°	294.0	264.9	246.7	233.6	227.0	224.1	223.4	217.6	216.9	217.6	218.3
67.5°	248.1	223.4	209.6	201.6	196.5	193.6	191.4	187.7	190.7	188.5	189.9
70°	206.7	189.9	175.4	167.4	165.2	165.9	162.3	160.8	161.6	160.1	161.6
72.5°	166.6	152.8	147.0	141.2	138.3	137.5	135.4	133.2	135.4	134.6	134.6
75°	133.2	123.0	116.4	112.8	112.8	111.3	107.7	107.7	107.7	107.0	107.7
77.5°	102.6	93.9	91.0	87.3	87.3	85.1	84.4	84.4	83.0	85.1	83.7
80°	76.4	69.9	65.5	63.3	63.3	62.6	61.1	60.4	61.1	60.4	60.4
82.5°	49.5	46.6	44.4	42.2	41.5	42.2	41.5	40.0	40.8	40.0	41.5
85°	28.4	25.5	25.5	24.0	24.7	23.3	24.0	22.6	21.8	24.0	22.6
87.5°	12.4	11.6	11.6	10.2	10.2	10.2	9.5	10.2	9.5	8.7	9.5
90°	12.6	13.4	14.2	15.0	15.4	15.6	16.1	16.6	17.1	17.6	17.1
92.5°	12.6	13.4	14.2	15.0	15.4	15.5	15.7	15.8	16.0	16.2	16.0
95°	12.6	13.4	14.2	15.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4
97.5°	13.5	13.9	14.2	14.5	14.7	14.8	14.9	15.1	15.2	15.4	15.2
100°	103.5	79.2	54.9	30.6	18.4	18.1	17.4	16.7	16.1	15.4	16.1
102.5°	172.2	172.5	172.8	173.1	173.3	166.4	152.7	139.0	125.3	111.6	125.3
105°	218.9	218.9	218.9	218.9	218.9	218.8	218.6	218.5	218.3	218.1	218.3
107.5°	267.5	267.7	267.8	268.0	268.1	267.8	267.1	266.4	265.8	265.1	265.8
110°	315.3	314.8	314.3	313.8	313.6	313.7	313.9	314.0	314.2	314.4	314.2

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	362.2	361.5	360.9	360.2	359.9	359.7	359.4	359.1	358.7	358.4	358.7
115°	409.2	408.5	407.9	407.2	406.9	406.4	405.4	404.5	403.5	402.5	403.5
117.5°	455.1	454.1	453.2	452.2	451.7	451.5	451.2	450.9	450.5	450.2	450.5
120°	498.4	498.0	497.7	497.4	497.2	496.8	496.0	495.2	494.4	493.6	494.4
122.5°	540.3	539.9	539.6	539.3	539.1	538.6	537.6	536.7	535.7	534.7	535.7
125°	581.1	580.4	579.8	579.1	578.8	578.6	578.1	577.6	577.1	576.6	577.1
127.5°	618.1	617.8	617.5	617.2	617.0	616.3	615.0	613.7	612.4	611.1	612.4
130°	654.6	654.1	653.6	653.1	652.9	652.5	651.7	650.9	650.1	649.3	650.1
132.5°	688.2	688.2	688.2	688.2	688.2	687.8	687.0	686.1	685.3	684.5	685.3
135°	721.7	721.3	721.0	720.7	720.5	720.0	719.0	718.1	717.1	716.1	717.1
137.5°	752.8	752.8	752.8	752.8	752.8	752.4	751.6	750.8	750.0	749.2	750.0
140°	781.0	781.4	781.7	782.0	782.2	781.7	780.7	779.8	778.8	777.8	778.8
142.5°	809.4	809.4	809.4	809.4	809.4	808.9	807.9	807.0	806.0	805.0	806.0
145°	835.3	835.4	835.6	835.7	835.8	835.3	834.3	833.4	832.4	831.4	832.4
147.5°	858.1	858.2	858.4	858.5	858.6	858.0	856.9	855.8	854.6	853.5	854.6
150°	879.5	879.8	880.1	880.4	880.6	880.0	878.7	877.4	876.1	874.8	876.1
152.5°	898.6	898.9	899.2	899.5	899.7	899.1	898.0	896.9	895.7	894.6	895.7
155°	915.7	916.2	916.7	917.2	917.4	916.7	915.4	914.1	912.8	911.5	912.8
157.5°	930.3	930.8	931.3	931.8	932.0	931.4	930.1	928.8	927.5	926.2	927.5
160°	943.7	944.4	945.0	945.7	946.0	945.3	944.0	942.7	941.4	940.1	941.4
162.5°	955.8	956.8	957.7	958.7	959.2	958.5	957.0	955.5	954.1	952.6	954.1
165°	966.1	967.1	968.0	969.0	969.5	968.8	967.5	966.2	964.9	963.6	964.9
167.5°	974.3	975.5	976.6	977.7	978.3	977.6	976.1	974.6	973.2	971.7	973.2
170°	980.3	981.6	982.9	984.2	984.9	984.2	982.7	981.2	979.8	978.3	979.8
172.5°	985.3	986.5	987.6	988.7	989.3	988.6	987.1	985.6	984.2	982.7	984.2
175°	988.4	989.7	991.0	992.3	993.0	992.3	990.8	989.3	987.9	986.4	987.9
177.5°	990.5	991.6	992.8	993.9	994.5	993.8	992.5	991.2	989.9	988.6	989.9
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	917.6	912.5	914.0	912.5	908.9	906.7	900.9	893.6	890.7	887.1	884.9
5°	991.1	987.5	986.8	980.9	979.5	970.8	956.2	948.9	940.2	931.5	922.7
7.5°	1071.2	1066.8	1052.3	1050.1	1051.5	1040.6	1021.7	1007.1	989.0	976.6	959.8
10°	1137.4	1128.7	1116.3	1117.0	1111.9	1097.4	1078.5	1063.2	1037.0	1021.0	997.0
12.5°	1177.4	1170.2	1168.7	1161.4	1157.1	1138.1	1115.6	1095.9	1076.3	1054.4	1036.3
15°	1226.2	1216.7	1210.2	1200.0	1197.1	1177.4	1152.7	1130.1	1107.6	1087.2	1048.6
17.5°	1280.0	1269.8	1245.1	1242.9	1225.5	1206.5	1182.5	1149.0	1125.0	1095.9	1067.5
20°	1341.2	1326.6	1294.6	1286.6	1272.8	1241.5	1208.7	1171.6	1133.0	1103.2	1069.7
22.5°	1409.6	1384.1	1360.8	1335.3	1325.2	1286.6	1241.5	1196.3	1149.8	1109.0	1069.0
25°	1498.3	1464.9	1432.1	1406.7	1389.2	1339.0	1278.6	1218.9	1165.1	1111.9	1059.5
27.5°	1568.2	1539.1	1503.4	1470.0	1447.4	1387.7	1318.6	1241.5	1174.5	1109.8	1053.7
30°	1573.3	1564.6	1542.7	1524.5	1499.8	1435.8	1359.4	1272.0	1189.1	1110.5	1042.1
32.5°	1478.0	1495.4	1504.9	1507.8	1502.7	1465.6	1395.7	1299.7	1202.2	1103.9	1031.9
35°	1272.8	1319.3	1376.8	1398.7	1419.8	1439.4	1403.0	1319.3	1206.5	1102.5	1015.9
37.5°	1047.9	1090.1	1185.4	1229.1	1253.8	1331.7	1361.5	1316.4	1215.3	1103.9	1000.6
40°	845.6	912.5	980.9	1039.9	1078.5	1165.8	1258.2	1268.4	1202.9	1090.1	980.9
42.5°	711.7	751.0	802.7	857.2	891.4	994.8	1119.9	1193.4	1164.3	1067.5	956.9
45°	606.2	635.3	684.0	702.2	745.9	844.9	977.3	1083.6	1098.1	1031.9	929.3
47.5°	520.3	545.1	576.3	598.9	633.8	708.1	820.1	937.3	1007.1	983.1	890.7
50°	458.5	478.8	505.0	518.1	540.7	607.6	692.0	808.5	902.4	910.4	840.5
52.5°	406.8	418.4	438.8	453.4	471.6	512.3	588.7	684.8	790.3	834.0	778.6
55°	361.7	371.1	389.3	398.8	408.2	443.2	502.8	590.2	689.1	746.6	715.3
57.5°	320.9	328.9	344.2	352.9	358.0	391.5	437.4	505.8	594.5	664.4	646.9
60°	287.4	294.7	303.5	310.0	315.8	343.5	375.5	430.8	510.1	577.8	573.4
62.5°	251.8	258.3	267.8	274.3	279.4	296.9	323.8	366.0	433.7	496.3	508.7
65°	220.5	225.6	232.1	235.0	241.6	254.7	276.5	314.4	369.7	425.7	434.4
67.5°	192.1	193.6	197.9	204.5	205.9	217.6	237.2	265.6	308.5	354.4	368.2
70°	161.6	163.7	167.4	172.5	175.4	182.7	199.4	218.3	255.4	295.4	305.6
72.5°	134.6	137.5	139.0	141.9	143.4	155.0	162.3	181.2	206.7	240.1	251.1
75°	109.2	112.1	112.8	114.2	115.7	120.8	131.0	142.6	163.7	185.6	200.1
77.5°	86.6	85.9	87.3	89.5	88.8	93.1	99.7	109.9	123.7	141.9	151.4
80°	61.1	61.1	63.3	65.5	64.8	69.1	71.3	78.6	90.2	101.9	105.5
82.5°	40.8	40.8	42.9	42.9	44.4	45.1	48.0	51.7	61.1	66.9	69.1
85°	23.3	23.3	24.0	24.0	24.0	25.5	27.7	29.1	32.0	35.7	37.1
87.5°	9.5	10.2	10.2	10.2	10.2	11.6	11.6	13.1	13.8	15.3	15.3
90°	16.6	16.1	15.6	15.4	15.0	14.2	13.4	12.6	11.8	10.6	9.5
92.5°	15.8	15.7	15.5	15.4	15.0	14.2	13.4	12.6	11.8	10.8	9.8
95°	15.4	15.4	15.4	15.4	15.0	14.2	13.4	12.6	11.8	18.0	24.2
97.5°	15.1	14.9	14.8	14.7	14.5	14.2	13.9	13.5	13.2	28.7	44.2
100°	16.7	17.4	18.1	18.4	30.6	54.9	79.2	103.5	127.8	127.2	126.5
102.5°	139.0	152.7	166.4	173.3	173.1	172.8	172.5	172.2	171.9	171.6	171.2
105°	218.5	218.6	218.8	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9
107.5°	266.4	267.1	267.8	268.1	268.0	267.8	267.7	267.5	267.3	267.0	266.7
110°	314.0	313.9	313.7	313.6	313.8	314.3	314.8	315.3	315.8	315.5	315.2

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	359.1	359.4	359.7	359.9	360.2	360.9	361.5	362.2	362.8	362.6	362.5
115°	404.5	405.4	406.4	406.9	407.2	407.9	408.5	409.2	409.8	409.6	409.5
117.5°	450.9	451.2	451.5	451.7	452.2	453.2	454.1	455.1	456.1	455.5	454.8
120°	495.2	496.0	496.8	497.2	497.4	497.7	498.0	498.4	498.7	498.2	497.7
122.5°	536.7	537.6	538.6	539.1	539.3	539.6	539.9	540.3	540.6	540.4	540.2
125°	577.6	578.1	578.6	578.8	579.1	579.8	580.4	581.1	581.7	581.7	581.7
127.5°	613.7	615.0	616.3	617.0	617.2	617.5	617.8	618.1	618.4	618.6	618.8
130°	650.9	651.7	652.5	652.9	653.1	653.6	654.1	654.6	655.1	654.9	654.8
132.5°	686.1	687.0	687.8	688.2	688.2	688.2	688.2	688.2	688.2	688.7	689.2
135°	718.1	719.0	720.0	720.5	720.7	721.0	721.3	721.7	722.0	722.3	722.7
137.5°	750.8	751.6	752.4	752.8	752.8	752.8	752.8	752.8	752.8	753.1	753.5
140°	779.8	780.7	781.7	782.2	782.0	781.7	781.4	781.0	780.7	780.9	781.1
142.5°	807.0	807.9	808.9	809.4	809.4	809.4	809.4	809.4	809.4	809.1	808.7
145°	833.4	834.3	835.3	835.8	835.7	835.6	835.4	835.3	835.1	835.1	835.1
147.5°	855.8	856.9	858.0	858.6	858.5	858.4	858.2	858.1	857.9	857.7	857.5
150°	877.4	878.7	880.0	880.6	880.4	880.1	879.8	879.5	879.2	878.9	878.5
152.5°	896.9	898.0	899.1	899.7	899.5	899.2	898.9	898.6	898.3	898.0	897.6
155°	914.1	915.4	916.7	917.4	917.2	916.7	916.2	915.7	915.2	914.9	914.5
157.5°	928.8	930.1	931.4	932.0	931.8	931.3	930.8	930.3	929.8	929.8	929.8
160°	942.7	944.0	945.3	946.0	945.7	945.0	944.4	943.7	943.1	942.9	942.7
162.5°	955.5	957.0	958.5	959.2	958.7	957.7	956.8	955.8	954.8	954.6	954.5
165°	966.2	967.5	968.8	969.5	969.0	968.0	967.1	966.1	965.1	964.9	964.8
167.5°	974.6	976.1	977.6	978.3	977.7	976.6	975.5	974.3	973.2	973.0	972.8
170°	981.2	982.7	984.2	984.9	984.2	982.9	981.6	980.3	979.0	978.8	978.7
172.5°	985.6	987.1	988.6	989.3	988.7	987.6	986.5	985.3	984.2	983.9	983.5
175°	989.3	990.8	992.3	993.0	992.3	991.0	989.7	988.4	987.1	986.9	986.8
177.5°	991.2	992.5	993.8	994.5	993.9	992.8	991.6	990.5	989.3	989.1	989.0
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	882.0	878.3	874.0	874.0	868.9	866.7	862.3	860.9	857.2	851.4	847.0
5°	913.3	903.8	898.0	892.9	882.0	874.0	866.0	857.2	848.5	838.3	826.7
7.5°	943.8	926.4	918.4	909.6	893.6	876.9	860.9	849.2	837.6	821.6	807.0
10°	975.9	954.0	939.5	927.8	903.1	882.0	858.7	842.0	823.8	803.4	784.5
12.5°	1002.8	974.4	962.0	940.2	911.8	886.3	857.2	831.8	807.8	783.7	760.5
15°	1025.3	998.4	967.8	959.1	919.8	883.4	850.7	817.9	788.1	764.1	737.2
17.5°	1032.6	998.4	983.1	962.0	915.5	877.6	836.1	800.5	772.1	736.4	715.3
20°	1034.8	1002.1	980.9	961.3	919.8	869.6	828.9	785.2	751.0	715.3	681.9
22.5°	1029.0	990.4	970.0	951.1	904.5	861.6	814.3	766.3	726.3	693.5	660.0
25°	1018.1	972.9	953.3	932.9	888.5	841.2	789.6	743.7	706.6	667.3	634.6
27.5°	1003.5	951.8	929.3	908.2	864.5	820.1	771.4	724.1	682.6	641.1	610.5
30°	985.3	925.6	905.3	877.6	835.4	793.2	748.8	701.5	654.9	615.6	582.2
32.5°	962.0	899.4	872.5	846.3	800.5	761.9	719.7	675.3	630.2	591.6	556.7
35°	940.9	869.6	839.8	813.6	762.6	721.9	687.0	645.5	605.5	565.4	534.1
37.5°	912.5	839.8	804.1	777.2	725.5	684.0	651.3	619.3	577.1	538.5	509.4
40°	882.7	802.7	769.2	742.3	688.4	643.3	612.0	583.6	549.4	513.8	483.2
42.5°	855.8	767.0	731.3	698.6	644.0	604.0	572.0	550.1	518.9	486.8	459.2
45°	821.6	729.2	690.6	656.4	604.0	560.3	529.8	512.3	489.0	457.7	433.7
47.5°	786.6	688.4	648.4	614.9	558.2	519.6	489.7	473.0	457.0	432.3	408.2
50°	740.8	645.5	609.1	570.5	514.5	475.2	450.4	433.7	421.3	403.9	383.5
52.5°	690.6	601.1	561.8	528.3	473.0	437.4	409.0	399.5	387.1	374.0	356.6
55°	637.5	553.1	515.2	482.5	431.5	395.1	371.9	361.7	352.2	342.0	330.4
57.5°	584.3	502.8	467.2	438.1	390.8	355.8	336.9	323.1	316.6	310.7	301.3
60°	518.1	449.0	421.3	395.1	348.6	316.6	298.4	288.2	282.3	279.4	275.1
62.5°	459.9	403.1	372.6	347.1	310.0	281.6	264.2	256.2	251.1	249.6	244.5
65°	398.1	349.3	325.3	303.5	271.4	246.0	231.4	222.0	218.3	217.6	217.6
67.5°	339.8	300.5	276.5	261.2	233.6	211.0	197.2	193.6	191.4	188.5	187.7
70°	285.3	254.0	232.9	219.8	195.0	178.3	167.4	161.6	161.6	159.4	157.9
72.5°	237.2	205.9	192.1	181.2	160.8	146.3	138.3	136.8	131.7	131.0	131.0
75°	185.6	162.3	152.8	143.4	128.1	117.9	111.3	107.7	104.8	104.8	105.5
77.5°	139.7	123.7	115.0	107.7	96.8	90.2	85.1	83.7	80.8	80.8	80.8
80°	99.0	90.2	83.7	77.9	69.9	64.0	61.1	58.2	58.2	57.5	58.2
82.5°	64.0	56.8	53.1	52.4	45.1	42.9	39.3	40.0	37.8	37.1	38.6
85°	37.1	33.5	29.1	27.7	24.7	21.8	20.4	21.1	20.4	19.6	20.4
87.5°	14.6	12.4	11.6	11.6	9.5	8.7	8.0	8.7	7.3	7.3	8.0
90°	8.3	7.2	6.6	5.9	4.6	3.3	2.0	0.7	2.0	3.3	4.6
92.5°	8.8	7.8	7.3	8.0	9.5	11.0	12.5	14.0	12.5	11.0	9.5
95°	30.4	36.6	39.7	39.9	40.4	40.9	41.4	41.9	41.4	40.9	40.4
97.5°	59.7	75.2	83.0	82.5	81.5	80.6	79.6	78.6	79.6	80.6	81.5
100°	125.9	125.2	124.9	124.7	124.2	123.7	123.2	122.7	123.2	123.7	124.2
102.5°	170.9	170.6	170.4	170.1	169.4	168.8	168.1	167.5	168.1	168.8	169.4
105°	218.9	218.9	218.9	218.6	217.9	217.2	216.6	215.9	216.6	217.2	217.9
107.5°	266.4	266.1	265.9	265.9	265.9	265.9	265.9	265.9	265.9	265.9	265.9
110°	314.9	314.6	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	362.3	362.2	362.1	361.9	361.4	360.9	360.4	359.9	360.4	360.9	361.4
115°	409.3	409.2	409.1	408.7	407.9	407.0	406.2	405.4	406.2	407.0	407.9
117.5°	454.2	453.5	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2
120°	497.2	496.7	496.5	496.6	496.7	496.9	497.0	497.2	497.0	496.9	496.7
122.5°	540.1	539.9	539.8	539.4	538.6	537.8	537.0	536.2	537.0	537.8	538.6
125°	581.7	581.7	581.7	581.1	580.0	578.9	577.7	576.6	577.7	578.9	580.0
127.5°	618.9	619.1	619.2	618.8	618.0	617.1	616.3	615.5	616.3	617.1	618.0
130°	654.6	654.5	654.4	654.0	653.2	652.3	651.5	650.7	651.5	652.3	653.2
132.5°	689.7	690.2	690.4	689.9	688.9	688.0	687.0	686.0	687.0	688.0	688.9
135°	723.0	723.3	723.5	723.0	722.0	721.0	720.0	719.0	720.0	721.0	722.0
137.5°	753.8	754.1	754.3	753.8	752.8	751.9	750.9	749.9	750.9	751.9	752.8
140°	781.2	781.4	781.5	781.3	781.0	780.7	780.3	780.0	780.3	780.7	781.0
142.5°	808.4	808.1	807.9	807.8	807.7	807.5	807.4	807.2	807.4	807.5	807.7
145°	835.1	835.1	835.1	834.9	834.6	834.3	833.9	833.6	833.9	834.3	834.6
147.5°	857.4	857.2	857.1	857.1	857.1	857.1	857.1	857.1	857.1	857.1	857.1
150°	878.2	877.9	877.7	877.9	878.2	878.5	878.9	879.2	878.9	878.5	878.2
152.5°	897.3	897.0	896.8	897.2	898.0	898.9	899.7	900.5	899.7	898.9	898.0
155°	914.2	913.9	913.7	914.2	915.2	916.1	917.1	918.1	917.1	916.1	915.2
157.5°	929.8	929.8	929.8	930.0	930.5	931.0	931.5	932.0	931.5	931.0	930.5
160°	942.6	942.4	942.3	942.8	943.8	944.7	945.7	946.7	945.7	944.7	943.8
162.5°	954.3	954.2	954.1	954.6	955.6	956.5	957.5	958.5	957.5	956.5	955.6
165°	964.6	964.5	964.4	964.9	965.9	966.8	967.8	968.8	967.8	966.8	965.9
167.5°	972.7	972.5	972.4	972.9	973.9	974.8	975.8	976.8	975.8	974.8	973.9
170°	978.5	978.4	978.3	978.9	980.0	981.2	982.3	983.5	982.3	981.2	980.0
172.5°	983.2	982.9	982.7	983.3	984.4	985.6	986.7	987.9	986.7	985.6	984.4
175°	986.6	986.5	986.4	986.9	987.9	988.8	989.8	990.8	989.8	988.8	987.9
177.5°	988.8	988.7	988.6	989.1	990.1	991.0	992.0	993.0	992.0	991.0	990.1
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	845.6	844.1	840.5	838.3	831.0	822.3	819.4	812.1	815.0	809.9	809.9
5°	823.0	816.5	812.1	805.6	791.7	782.3	772.1	767.0	764.1	760.5	757.5
7.5°	793.9	788.8	784.5	772.1	756.8	743.7	731.3	726.3	716.8	710.2	707.3
10°	768.5	761.2	751.0	736.4	720.4	703.7	692.8	681.9	674.6	670.9	662.9
12.5°	742.3	733.5	722.6	701.5	684.0	673.9	654.2	644.0	640.4	637.5	628.0
15°	715.3	705.9	692.8	673.1	657.8	633.8	622.2	614.2	605.5	604.7	597.4
17.5°	691.3	679.7	668.8	644.7	625.8	604.7	598.2	589.4	581.4	572.7	569.1
20°	660.8	649.8	641.8	615.6	594.5	581.4	570.5	563.2	558.2	549.4	548.0
22.5°	633.1	621.5	610.5	590.9	572.7	556.0	542.9	534.9	532.7	529.0	522.5
25°	606.2	594.5	581.4	563.2	544.3	532.7	521.0	515.9	511.6	505.8	500.7
27.5°	583.6	572.7	560.3	537.8	521.8	513.0	500.7	494.8	489.0	486.1	483.9
30°	556.7	544.3	534.9	517.4	499.9	488.3	479.6	474.5	469.4	466.5	465.0
32.5°	530.5	518.9	512.3	493.4	479.6	465.7	459.2	455.5	452.6	449.7	446.8
35°	509.4	497.8	487.6	470.1	456.3	446.8	441.7	435.9	433.7	430.8	430.8
37.5°	483.2	474.5	464.3	447.5	435.2	427.9	423.5	416.2	415.5	414.1	411.9
40°	460.6	451.9	442.4	427.9	417.0	408.2	402.4	398.8	396.6	395.1	393.7
42.5°	436.6	427.2	422.8	406.1	396.6	387.9	385.0	381.3	380.6	377.7	374.0
45°	413.3	405.3	396.6	384.2	376.2	368.9	364.6	361.7	358.0	357.3	355.1
47.5°	393.0	383.5	375.5	363.9	355.1	349.3	345.7	342.0	339.1	336.9	334.7
50°	366.8	359.5	352.9	340.6	333.3	327.5	322.4	319.5	316.6	316.6	316.6
52.5°	341.3	334.7	328.9	320.2	311.5	306.4	300.5	298.4	296.9	294.7	296.9
55°	316.6	310.0	304.2	297.6	287.4	283.1	277.3	275.1	275.8	275.8	278.0
57.5°	290.4	285.3	281.6	273.6	264.2	259.8	256.2	254.0	254.0	256.9	257.6
60°	264.9	259.8	253.2	246.0	240.1	235.0	232.9	233.6	233.6	235.0	238.7
62.5°	236.5	233.6	230.0	219.8	216.1	212.5	209.6	211.8	211.0	214.7	219.8
65°	210.3	207.4	202.3	197.2	192.8	189.2	188.5	189.2	190.7	194.3	200.1
67.5°	181.2	181.2	176.8	172.5	168.8	165.2	165.9	166.6	168.1	172.5	181.2
70°	157.2	154.3	149.9	147.0	144.1	142.6	141.2	144.1	148.5	151.4	157.9
72.5°	131.0	128.8	125.2	122.3	121.5	120.1	119.3	120.8	125.2	130.3	137.5
75°	103.3	104.1	101.9	99.7	99.7	97.5	99.0	99.0	103.3	108.4	114.2
77.5°	80.0	79.3	78.6	77.1	76.4	76.4	76.4	77.9	82.2	85.1	91.0
80°	56.8	57.5	55.3	56.0	55.3	56.0	56.0	58.9	61.1	64.8	69.1
82.5°	37.8	37.8	36.4	37.1	37.1	37.1	37.8	39.3	42.2	45.1	48.0
85°	21.1	21.8	20.4	21.8	21.8	21.8	22.6	23.3	25.5	26.2	29.1
87.5°	8.0	9.5	9.5	8.0	8.7	9.5	10.2	9.5	10.9	12.4	13.1
90°	5.9	6.6	7.2	8.3	9.5	10.6	11.8	12.6	13.4	14.2	15.0
92.5°	8.0	7.3	7.8	8.8	9.8	10.8	11.8	12.6	13.4	14.2	15.0
95°	39.9	39.7	36.6	30.4	24.2	18.0	11.8	12.6	13.4	14.2	15.0
97.5°	82.5	83.0	75.2	59.7	44.2	28.7	13.2	13.5	13.9	14.2	14.5
100°	124.7	124.9	125.2	125.9	126.5	127.2	127.8	103.5	79.2	54.9	30.6
102.5°	170.1	170.4	170.6	170.9	171.2	171.6	171.9	172.2	172.5	172.8	173.1
105°	218.6	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9
107.5°	265.9	265.9	266.1	266.4	266.7	267.0	267.3	267.5	267.7	267.8	268.0
110°	314.4	314.4	314.6	314.9	315.2	315.5	315.8	315.3	314.8	314.3	313.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	361.9	362.1	362.2	362.3	362.5	362.6	362.8	362.2	361.5	360.9	360.2
115°	408.7	409.1	409.2	409.3	409.5	409.6	409.8	409.2	408.5	407.9	407.2
117.5°	453.2	453.2	453.5	454.2	454.8	455.5	456.1	455.1	454.1	453.2	452.2
120°	496.6	496.5	496.7	497.2	497.7	498.2	498.7	498.4	498.0	497.7	497.4
122.5°	539.4	539.8	539.9	540.1	540.2	540.4	540.6	540.3	539.9	539.6	539.3
125°	581.1	581.7	581.7	581.7	581.7	581.7	581.7	581.1	580.4	579.8	579.1
127.5°	618.8	619.2	619.1	618.9	618.8	618.6	618.4	618.1	617.8	617.5	617.2
130°	654.0	654.4	654.5	654.6	654.8	654.9	655.1	654.6	654.1	653.6	653.1
132.5°	689.9	690.4	690.2	689.7	689.2	688.7	688.2	688.2	688.2	688.2	688.2
135°	723.0	723.5	723.3	723.0	722.7	722.3	722.0	721.7	721.3	721.0	720.7
137.5°	753.8	754.3	754.1	753.8	753.5	753.1	752.8	752.8	752.8	752.8	752.8
140°	781.3	781.5	781.4	781.2	781.1	780.9	780.7	781.0	781.4	781.7	782.0
142.5°	807.8	807.9	808.1	808.4	808.7	809.1	809.4	809.4	809.4	809.4	809.4
145°	834.9	835.1	835.1	835.1	835.1	835.1	835.1	835.3	835.4	835.6	835.7
147.5°	857.1	857.1	857.2	857.4	857.5	857.7	857.9	858.1	858.2	858.4	858.5
150°	877.9	877.7	877.9	878.2	878.5	878.9	879.2	879.5	879.8	880.1	880.4
152.5°	897.2	896.8	897.0	897.3	897.6	898.0	898.3	898.6	898.9	899.2	899.5
155°	914.2	913.7	913.9	914.2	914.5	914.9	915.2	915.7	916.2	916.7	917.2
157.5°	930.0	929.8	929.8	929.8	929.8	929.8	929.8	930.3	930.8	931.3	931.8
160°	942.8	942.3	942.4	942.6	942.7	942.9	943.1	943.7	944.4	945.0	945.7
162.5°	954.6	954.1	954.2	954.3	954.5	954.6	954.8	955.8	956.8	957.7	958.7
165°	964.9	964.4	964.5	964.6	964.8	964.9	965.1	966.1	967.1	968.0	969.0
167.5°	972.9	972.4	972.5	972.7	972.8	973.0	973.2	974.3	975.5	976.6	977.7
170°	978.9	978.3	978.4	978.5	978.7	978.8	979.0	980.3	981.6	982.9	984.2
172.5°	983.3	982.7	982.9	983.2	983.5	983.9	984.2	985.3	986.5	987.6	988.7
175°	986.9	986.4	986.5	986.6	986.8	986.9	987.1	988.4	989.7	991.0	992.3
177.5°	989.1	988.6	988.7	988.8	989.0	989.1	989.3	990.5	991.6	992.8	993.9
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	812.8	807.8	807.0	808.5	805.6	809.9	808.5	809.9	806.3	809.9	807.8
5°	756.8	755.4	752.4	748.8	749.5	750.3	753.9	750.3	753.2	753.9	757.5
7.5°	704.4	701.5	703.7	702.2	695.7	694.2	695.7	697.9	702.2	705.1	707.3
10°	662.2	660.8	657.8	655.7	652.0	649.8	652.8	649.8	655.7	660.8	660.8
12.5°	630.2	624.4	620.7	620.0	612.0	613.5	616.4	618.5	625.1	628.0	628.0
15°	596.7	592.4	590.9	588.0	585.1	588.0	586.5	588.7	591.6	594.5	596.0
17.5°	567.6	566.9	567.6	560.3	562.5	558.9	559.6	563.2	561.1	563.2	567.6
20°	541.4	542.9	540.7	537.8	537.8	533.4	538.5	537.0	537.8	542.1	548.7
22.5°	521.8	521.0	518.9	516.7	513.8	514.5	515.2	513.8	519.6	523.2	523.9
25°	500.7	499.2	498.5	496.3	493.4	496.3	495.6	496.3	497.8	503.6	499.2
27.5°	481.0	478.1	479.6	477.4	476.6	477.4	477.4	478.1	479.6	480.3	481.0
30°	464.3	461.4	460.6	459.2	458.5	459.2	460.6	459.2	465.0	464.3	464.3
32.5°	446.1	443.9	442.4	442.4	441.7	441.0	441.7	442.4	446.8	443.9	446.8
35°	428.6	427.2	427.2	425.7	425.0	425.0	425.0	427.9	426.4	428.6	428.6
37.5°	411.9	411.9	411.2	409.7	409.0	409.7	409.0	410.4	409.7	410.4	411.2
40°	394.4	393.0	392.2	392.2	390.1	387.9	390.1	390.1	390.8	393.0	393.7
42.5°	373.3	374.0	374.0	371.1	371.1	371.1	371.9	372.6	372.6	374.0	374.0
45°	355.1	353.7	353.7	353.7	352.2	352.9	354.4	354.4	354.4	354.4	352.9
47.5°	334.7	334.7	335.5	335.5	337.7	336.9	336.9	336.2	334.7	334.7	335.5
50°	315.8	318.0	318.7	318.7	319.5	320.2	320.2	318.7	318.0	315.8	315.8
52.5°	297.6	299.1	300.5	302.7	304.2	303.5	303.5	302.0	299.1	298.4	297.6
55°	278.0	280.2	283.1	285.3	287.4	288.2	288.2	285.3	282.3	278.7	278.7
57.5°	259.8	262.0	267.1	269.3	272.2	272.2	270.7	268.5	264.2	261.2	259.1
60°	241.6	245.2	248.9	253.2	256.9	257.6	255.4	252.5	247.4	243.8	240.9
62.5°	222.0	225.6	232.9	237.2	240.1	240.1	240.1	236.5	230.0	224.9	220.5
65°	203.0	206.7	213.2	219.0	221.2	223.4	221.2	217.6	212.5	206.7	202.3
67.5°	183.4	187.7	194.3	198.7	201.6	203.8	202.3	199.4	192.8	184.8	181.9
70°	161.6	163.7	173.2	177.6	181.9	183.4	181.9	177.6	171.0	162.3	159.4
72.5°	141.2	143.4	152.1	155.7	159.4	160.8	158.6	155.7	149.9	141.9	138.3
75°	117.9	121.5	125.9	131.7	136.1	137.5	135.4	133.2	125.9	120.8	117.9
77.5°	93.1	96.8	102.6	107.7	112.1	111.3	108.4	109.2	101.2	95.3	93.1
80°	70.6	73.5	77.9	82.2	84.4	84.4	83.7	80.8	77.9	73.5	69.9
82.5°	48.8	52.4	56.0	58.9	58.9	59.7	58.2	57.5	54.6	50.9	50.2
85°	29.1	29.8	32.7	32.7	35.7	34.2	33.5	35.7	32.7	30.6	29.8
87.5°	13.1	12.4	13.1	13.1	12.4	13.8	13.8	13.1	13.8	13.1	13.1
90°	15.4	15.6	16.1	16.6	17.1	17.6	17.1	16.6	16.1	15.6	15.4
92.5°	15.4	15.5	15.7	15.8	16.0	16.2	16.0	15.8	15.7	15.5	15.4
95°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
97.5°	14.7	14.8	14.9	15.1	15.2	15.4	15.2	15.1	14.9	14.8	14.7
100°	18.4	18.1	17.4	16.7	16.1	15.4	16.1	16.7	17.4	18.1	18.4
102.5°	173.3	166.4	152.7	139.0	125.3	111.6	125.3	139.0	152.7	166.4	173.3
105°	218.9	218.8	218.6	218.5	218.3	218.1	218.3	218.5	218.6	218.8	218.9
107.5°	268.1	267.8	267.1	266.4	265.8	265.1	265.8	266.4	267.1	267.8	268.1
110°	313.6	313.7	313.9	314.0	314.2	314.4	314.2	314.0	313.9	313.7	313.6

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	359.9	359.7	359.4	359.1	358.7	358.4	358.7	359.1	359.4	359.7	359.9
115°	406.9	406.4	405.4	404.5	403.5	402.5	403.5	404.5	405.4	406.4	406.9
117.5°	451.7	451.5	451.2	450.9	450.5	450.2	450.5	450.9	451.2	451.5	451.7
120°	497.2	496.8	496.0	495.2	494.4	493.6	494.4	495.2	496.0	496.8	497.2
122.5°	539.1	538.6	537.6	536.7	535.7	534.7	535.7	536.7	537.6	538.6	539.1
125°	578.8	578.6	578.1	577.6	577.1	576.6	577.1	577.6	578.1	578.6	578.8
127.5°	617.0	616.3	615.0	613.7	612.4	611.1	612.4	613.7	615.0	616.3	617.0
130°	652.9	652.5	651.7	650.9	650.1	649.3	650.1	650.9	651.7	652.5	652.9
132.5°	688.2	687.8	687.0	686.1	685.3	684.5	685.3	686.1	687.0	687.8	688.2
135°	720.5	720.0	719.0	718.1	717.1	716.1	717.1	718.1	719.0	720.0	720.5
137.5°	752.8	752.4	751.6	750.8	750.0	749.2	750.0	750.8	751.6	752.4	752.8
140°	782.2	781.7	780.7	779.8	778.8	777.8	778.8	779.8	780.7	781.7	782.2
142.5°	809.4	808.9	807.9	807.0	806.0	805.0	806.0	807.0	807.9	808.9	809.4
145°	835.8	835.3	834.3	833.4	832.4	831.4	832.4	833.4	834.3	835.3	835.8
147.5°	858.6	858.0	856.9	855.8	854.6	853.5	854.6	855.8	856.9	858.0	858.6
150°	880.6	880.0	878.7	877.4	876.1	874.8	876.1	877.4	878.7	880.0	880.6
152.5°	899.7	899.1	898.0	896.9	895.7	894.6	895.7	896.9	898.0	899.1	899.7
155°	917.4	916.7	915.4	914.1	912.8	911.5	912.8	914.1	915.4	916.7	917.4
157.5°	932.0	931.4	930.1	928.8	927.5	926.2	927.5	928.8	930.1	931.4	932.0
160°	946.0	945.3	944.0	942.7	941.4	940.1	941.4	942.7	944.0	945.3	946.0
162.5°	959.2	958.5	957.0	955.5	954.1	952.6	954.1	955.5	957.0	958.5	959.2
165°	969.5	968.8	967.5	966.2	964.9	963.6	964.9	966.2	967.5	968.8	969.5
167.5°	978.3	977.6	976.1	974.6	973.2	971.7	973.2	974.6	976.1	977.6	978.3
170°	984.9	984.2	982.7	981.2	979.8	978.3	979.8	981.2	982.7	984.2	984.9
172.5°	989.3	988.6	987.1	985.6	984.2	982.7	984.2	985.6	987.1	988.6	989.3
175°	993.0	992.3	990.8	989.3	987.9	986.4	987.9	989.3	990.8	992.3	993.0
177.5°	994.5	993.8	992.5	991.2	989.9	988.6	989.9	991.2	992.5	993.8	994.5
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	814.3	809.9	815.0	808.5	809.9	817.9	817.2	824.5	828.9	828.1	831.8
5°	760.5	760.5	762.6	761.9	769.2	775.7	784.5	791.7	799.7	804.1	809.2
7.5°	707.3	714.6	716.1	719.7	728.4	739.3	748.1	759.0	770.6	778.6	784.5
10°	663.7	669.5	675.3	678.2	687.7	702.2	714.6	732.1	746.6	755.4	763.4
12.5°	625.1	631.6	634.6	647.7	654.2	663.7	681.1	700.1	716.1	725.5	732.1
15°	597.4	601.1	607.6	615.6	622.2	633.8	648.4	669.5	684.8	692.8	715.3
17.5°	574.2	578.5	582.2	585.8	596.0	608.4	622.2	640.4	660.0	673.9	685.5
20°	550.1	552.3	556.7	562.5	569.8	581.4	593.8	612.7	630.2	641.1	656.4
22.5°	521.8	528.3	532.7	537.0	545.1	558.2	569.8	583.6	605.5	617.8	633.8
25°	505.0	507.9	510.8	515.9	521.8	533.4	546.5	561.1	578.5	591.6	605.5
27.5°	483.2	487.6	491.2	497.8	501.4	510.8	523.2	537.8	558.9	569.8	581.4
30°	465.0	469.4	472.3	475.2	480.3	490.5	502.1	513.8	533.4	547.2	558.9
32.5°	446.8	451.2	454.8	457.0	462.1	468.6	478.1	492.7	509.4	518.9	534.1
35°	430.8	430.8	435.2	438.1	442.4	448.3	457.0	467.9	485.4	497.8	511.6
37.5°	412.6	413.3	417.0	419.2	423.5	429.3	438.1	448.3	462.8	472.3	486.1
40°	393.7	395.9	397.3	401.0	406.1	408.2	417.0	428.6	443.2	451.9	463.5
42.5°	374.8	376.2	379.9	382.8	387.1	390.8	396.6	407.5	418.4	431.5	441.0
45°	353.7	357.3	359.5	364.6	366.8	370.4	376.2	385.0	398.1	406.1	417.0
47.5°	335.5	336.9	338.4	344.9	349.3	351.5	357.3	362.4	376.2	383.5	393.7
50°	315.8	315.8	318.0	320.9	326.0	330.4	335.5	341.3	352.2	359.5	369.7
52.5°	297.6	295.4	296.9	298.4	303.5	307.8	312.9	320.9	331.1	335.5	344.2
55°	278.0	274.3	276.5	278.7	280.2	286.0	291.8	296.9	304.9	311.5	319.5
57.5°	256.9	256.2	254.7	255.4	259.1	262.7	267.1	273.6	283.1	288.2	292.5
60°	238.0	233.6	232.1	233.6	235.8	238.0	243.8	249.6	257.6	262.7	267.8
62.5°	218.3	213.9	211.0	208.9	211.0	216.1	219.8	224.1	230.7	236.5	240.9
65°	199.4	192.8	189.9	188.5	187.7	191.4	194.3	200.1	205.9	208.1	213.2
67.5°	178.3	172.5	168.8	166.6	166.6	166.6	169.6	175.4	181.2	181.9	187.0
70°	157.2	150.6	147.0	144.1	142.6	144.1	147.7	148.5	153.5	155.0	157.9
72.5°	134.6	128.8	124.4	120.8	121.5	123.0	123.0	124.4	127.3	131.0	131.0
75°	113.5	105.5	103.3	100.4	99.0	99.0	99.0	101.9	104.1	107.0	106.2
77.5°	89.5	85.1	80.8	79.3	77.1	76.4	77.9	77.9	79.3	81.5	82.2
80°	69.1	64.0	61.1	59.7	56.8	56.0	56.8	56.8	58.9	58.2	58.9
82.5°	48.0	44.4	42.2	40.0	38.6	39.3	38.6	38.6	39.3	38.6	38.6
85°	27.7	26.9	25.5	24.7	24.0	22.6	24.0	23.3	22.6	21.8	23.3
87.5°	13.1	12.4	12.4	10.9	10.9	10.2	10.9	10.9	10.2	10.2	10.2
90°	15.0	14.2	13.4	12.6	11.8	10.6	9.5	8.3	7.2	6.6	5.9
92.5°	15.0	14.2	13.4	12.6	11.8	10.8	9.8	8.8	7.8	7.3	8.0
95°	15.0	14.2	13.4	12.6	11.8	18.0	24.2	30.4	36.6	39.7	39.9
97.5°	14.5	14.2	13.9	13.5	13.2	28.7	44.2	59.7	75.2	83.0	82.5
100°	30.6	54.9	79.2	103.5	127.8	127.2	126.5	125.9	125.2	124.9	124.7
102.5°	173.1	172.8	172.5	172.2	171.9	171.6	171.2	170.9	170.6	170.4	170.1
105°	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.6
107.5°	268.0	267.8	267.7	267.5	267.3	267.0	266.7	266.4	266.1	265.9	265.9
110°	313.8	314.3	314.8	315.3	315.8	315.5	315.2	314.9	314.6	314.4	314.4

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	360.2	360.9	361.5	362.2	362.8	362.6	362.5	362.3	362.2	362.1	361.9
115°	407.2	407.9	408.5	409.2	409.8	409.6	409.5	409.3	409.2	409.1	408.7
117.5°	452.2	453.2	454.1	455.1	456.1	455.5	454.8	454.2	453.5	453.2	453.2
120°	497.4	497.7	498.0	498.4	498.7	498.2	497.7	497.2	496.7	496.5	496.6
122.5°	539.3	539.6	539.9	540.3	540.6	540.4	540.2	540.1	539.9	539.8	539.4
125°	579.1	579.8	580.4	581.1	581.7	581.7	581.7	581.7	581.7	581.7	581.1
127.5°	617.2	617.5	617.8	618.1	618.4	618.6	618.8	618.9	619.1	619.2	618.8
130°	653.1	653.6	654.1	654.6	655.1	654.9	654.8	654.6	654.5	654.4	654.0
132.5°	688.2	688.2	688.2	688.2	688.2	688.7	689.2	689.7	690.2	690.4	689.9
135°	720.7	721.0	721.3	721.7	722.0	722.3	722.7	723.0	723.3	723.5	723.0
137.5°	752.8	752.8	752.8	752.8	752.8	753.1	753.5	753.8	754.1	754.3	753.8
140°	782.0	781.7	781.4	781.0	780.7	780.9	781.1	781.2	781.4	781.5	781.3
142.5°	809.4	809.4	809.4	809.4	809.4	809.1	808.7	808.4	808.1	807.9	807.8
145°	835.7	835.6	835.4	835.3	835.1	835.1	835.1	835.1	835.1	835.1	834.9
147.5°	858.5	858.4	858.2	858.1	857.9	857.7	857.5	857.4	857.2	857.1	857.1
150°	880.4	880.1	879.8	879.5	879.2	878.9	878.5	878.2	877.9	877.7	877.9
152.5°	899.5	899.2	898.9	898.6	898.3	898.0	897.6	897.3	897.0	896.8	897.2
155°	917.2	916.7	916.2	915.7	915.2	914.9	914.5	914.2	913.9	913.7	914.2
157.5°	931.8	931.3	930.8	930.3	929.8	929.8	929.8	929.8	929.8	929.8	930.0
160°	945.7	945.0	944.4	943.7	943.1	942.9	942.7	942.6	942.4	942.3	942.8
162.5°	958.7	957.7	956.8	955.8	954.8	954.6	954.5	954.3	954.2	954.1	954.6
165°	969.0	968.0	967.1	966.1	965.1	964.9	964.8	964.6	964.5	964.4	964.9
167.5°	977.7	976.6	975.5	974.3	973.2	973.0	972.8	972.7	972.5	972.4	972.9
170°	984.2	982.9	981.6	980.3	979.0	978.8	978.7	978.5	978.4	978.3	978.9
172.5°	988.7	987.6	986.5	985.3	984.2	983.9	983.5	983.2	982.9	982.7	983.3
175°	992.3	991.0	989.7	988.4	987.1	986.9	986.8	986.6	986.5	986.4	986.9
177.5°	993.9	992.8	991.6	990.5	989.3	989.1	989.0	988.8	988.7	988.6	989.1
180°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8

TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	857.2	857.2	857.2	857.2
2.5°	836.9	844.1	849.2	858.7
5°	817.9	831.0	843.4	856.5
7.5°	799.0	814.3	834.0	850.7
10°	777.9	797.6	820.9	843.4
12.5°	756.8	780.1	805.6	835.4
15°	731.3	761.2	791.0	823.0
17.5°	708.8	739.3	771.4	811.4
20°	683.3	716.8	751.7	792.5
22.5°	660.8	697.9	734.3	777.2
25°	635.3	671.7	711.7	757.5
27.5°	614.2	647.7	687.0	736.4
30°	588.7	625.1	664.4	713.9
32.5°	564.7	599.6	641.1	689.9
35°	540.0	575.6	612.7	659.3
37.5°	516.7	547.2	584.3	628.7
40°	490.5	523.9	557.4	592.4
42.5°	466.5	497.0	528.3	556.0
45°	439.5	465.7	495.6	518.1
47.5°	414.8	438.1	461.4	478.8
50°	390.1	408.2	425.7	441.0
52.5°	360.9	381.3	390.8	400.2
55°	334.7	346.4	355.1	364.6
57.5°	309.3	314.4	318.7	327.5
60°	275.8	281.6	286.7	293.3
62.5°	246.7	249.6	251.1	257.6
65°	219.0	218.3	222.0	225.6
67.5°	189.2	188.5	192.1	193.6
70°	160.1	159.4	160.1	163.7
72.5°	132.4	132.4	133.2	134.6
75°	107.0	107.0	107.7	109.2
77.5°	80.8	82.2	81.5	84.4
80°	58.9	57.5	58.9	60.4
82.5°	38.6	40.0	40.0	38.6
85°	21.8	21.8	21.8	21.8
87.5°	9.5	9.5	10.2	10.9
90°	4.6	3.3	2.0	0.7
92.5°	9.5	11.0	12.5	14.0
95°	40.4	40.9	41.4	41.9
97.5°	81.5	80.6	79.6	78.6
100°	124.2	123.7	123.2	122.7
102.5°	169.4	168.8	168.1	167.5
105°	217.9	217.2	216.6	215.9
107.5°	265.9	265.9	265.9	265.9
110°	314.4	314.4	314.4	314.4



TEST NUMBER: P1026968

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	361.4	360.9	360.4	359.9
115°	407.9	407.0	406.2	405.4
117.5°	453.2	453.2	453.2	453.2
120°	496.7	496.9	497.0	497.2
122.5°	538.6	537.8	537.0	536.2
125°	580.0	578.9	577.7	576.6
127.5°	618.0	617.1	616.3	615.5
130°	653.2	652.3	651.5	650.7
132.5°	688.9	688.0	687.0	686.0
135°	722.0	721.0	720.0	719.0
137.5°	752.8	751.9	750.9	749.9
140°	781.0	780.7	780.3	780.0
142.5°	807.7	807.5	807.4	807.2
145°	834.6	834.3	833.9	833.6
147.5°	857.1	857.1	857.1	857.1
150°	878.2	878.5	878.9	879.2
152.5°	898.0	898.9	899.7	900.5
155°	915.2	916.1	917.1	918.1
157.5°	930.5	931.0	931.5	932.0
160°	943.8	944.7	945.7	946.7
162.5°	955.6	956.5	957.5	958.5
165°	965.9	966.8	967.8	968.8
167.5°	973.9	974.8	975.8	976.8
170°	980.0	981.2	982.3	983.5
172.5°	984.4	985.6	986.7	987.9
175°	987.9	988.8	989.8	990.8
177.5°	990.1	991.0	992.0	993.0
180°	990.8	990.8	990.8	990.8

(END OF REPORT)