

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: P1034587

Luminaire Tested: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034587
REPORT IS A COMBINATION OF REPORTS P1003920 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

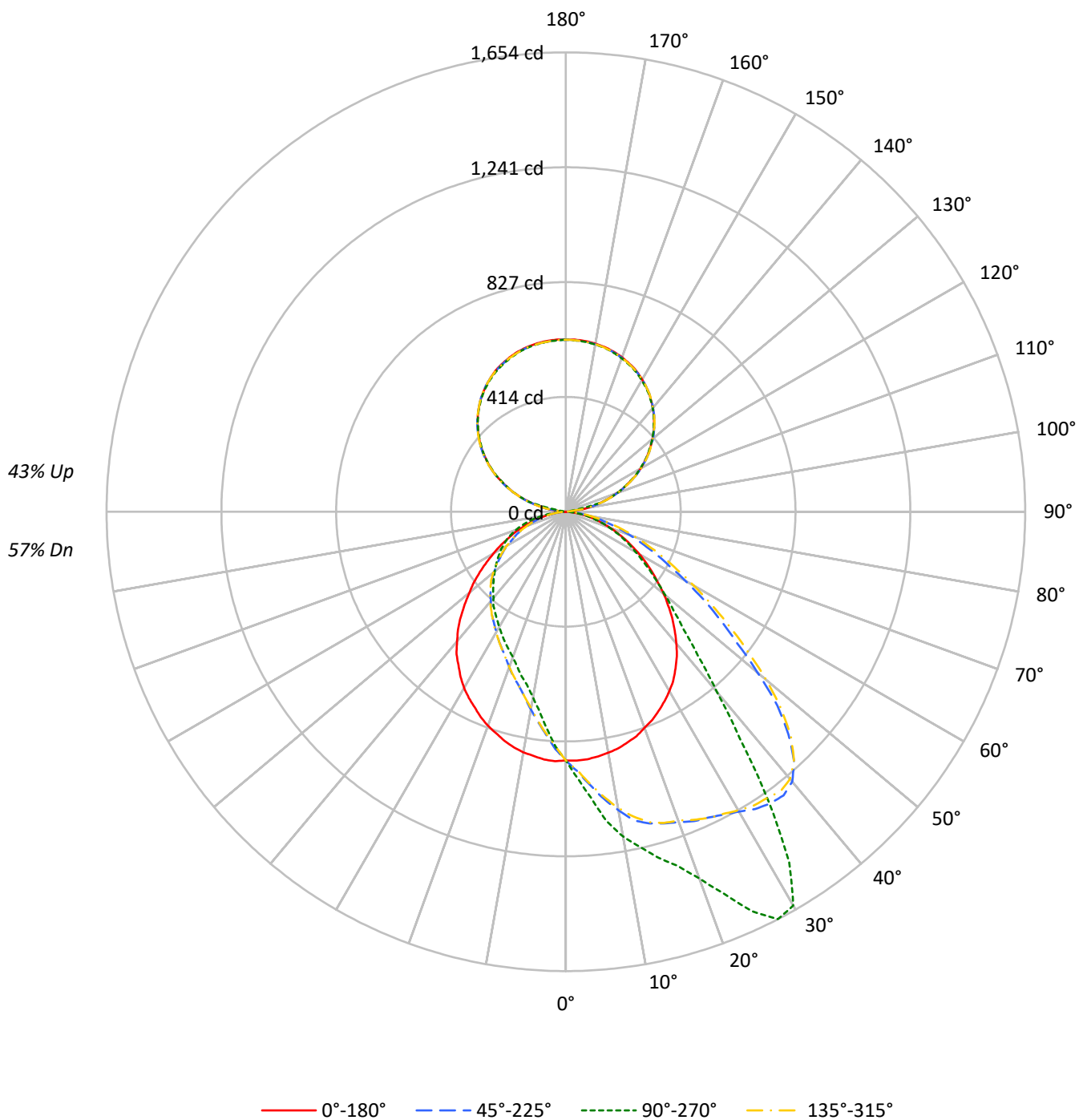
Lumens per Lamp: N/A
Luminaire Lumens: 4430.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 37.2
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: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63
1	100	95	92	88	93	89	86	83	77	75	72	66	64	63	56	55	53
2	91	84	77	72	84	78	73	68	68	64	60	58	55	53	49	47	45
3	83	74	66	61	77	69	62	57	60	55	51	52	48	45	44	41	39
4	76	65	57	51	71	61	54	49	53	48	44	46	42	39	39	36	34
5	70	58	50	44	65	55	47	42	48	42	38	41	37	33	36	32	29
6	64	52	44	38	60	49	42	37	43	37	33	38	33	29	32	29	26
7	60	47	39	34	55	45	37	32	39	33	29	34	30	26	29	26	23
8	55	43	35	30	52	41	33	29	36	30	26	31	27	23	27	23	21
9	52	39	32	27	48	37	30	25	33	27	23	29	24	21	25	21	19
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	23	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5736	5736	5736	5736
5°	5740	6506	5745	4936
10°	5705	7416	5695	4237
15°	5663	8040	5628	3828
20°	5591	8811	5540	3495
25°	5528	10096	5427	3297
30°	5437	10651	5342	3119
35°	5293	8538	5181	2975
40°	5068	5901	4992	2823
45°	4782	4393	4729	2697
50°	4457	3617	4384	2596
55°	4106	3085	4074	2508
60°	3761	2640	3696	2441
65°	3390	2280	3335	2341
70°	2997	1894	2957	2169
75°	2581	1464	2547	1882
80°	2039	991	1965	1383
85°	1304	496	1258	705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8760 cd/sqm

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.9
10°-20°	256.6	5.8
20°-30°	416.8	9.4
30°-40°	509.4	11.5
40°-50°	462.1	10.4
50°-60°	368.1	8.3
60°-70°	256.4	5.8
70°-80°	136.6	3.1
80°-90°	34.8	0.8
90°-100°	21.0	0.5
100°-110°	139.8	3.2
110°-120°	251.8	5.7
120°-130°	323.2	7.3
130°-140°	347.6	7.8
140°-150°	326.2	7.4
150°-160°	263.9	6.0
160°-170°	170.7	3.9
170°-180°	58.9	1.3
0°-30°	759.6	17.1
0°-40°	1269.1	28.6
0°-60°	2099.2	47.4
0°-90°	2526.9	57.0
90°-120°	412.6	9.3
90°-150°	1409.7	31.8
90°-180°	1903.0	43.0
0°-180°	4430.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	894	1033	895	784	894	85
15°	859	1290	854	614	859	243
25°	791	1587	777	518	791	364
35°	688	1274	674	444	688	430
45°	541	600	535	368	541	417
55°	381	370	378	301	381	340
65°	236	227	232	233	236	234
75°	114	112	112	144	114	121
85°	23	25	22	36	23	27
90°	0	11	0	11	0	3
95°	26	10	26	10	26	32
105°	135	136	135	136	135	143
115°	254	252	254	252	254	251
125°	360	360	360	360	360	322
135°	450	448	450	448	450	347
145°	521	520	521	520	521	326
155°	574	570	574	570	574	265
165°	606	602	606	602	606	171
175°	620	617	620	617	620	59
180°	620	620	620	620	620	

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	896.7	902.0	908.1	912.6	920.2	922.5	926.3	928.6	930.9	933.2	934.7
5°	894.4	907.3	918.7	927.1	941.5	946.8	953.7	962.0	971.9	980.3	985.6
7.5°	888.3	908.8	924.0	940.7	960.5	973.4	980.3	997.7	1013.7	1025.9	1041.8
10°	880.7	905.0	928.6	953.7	981.8	996.2	1009.9	1034.2	1056.3	1076.0	1092.0
12.5°	872.4	902.0	930.1	962.8	1000.8	1018.3	1027.4	1069.2	1096.5	1107.2	1138.3
15°	859.4	894.4	934.7	974.9	1006.9	1027.4	1052.5	1085.9	1113.2	1136.8	1161.9
17.5°	847.3	885.3	926.3	971.1	1017.5	1044.1	1063.1	1092.7	1122.4	1152.8	1176.3
20°	827.5	876.9	918.7	966.6	1021.3	1040.3	1060.1	1095.0	1126.9	1159.6	1189.2
22.5°	811.6	858.7	915.7	961.3	1007.6	1026.6	1050.9	1087.4	1125.4	1162.6	1206.0
25°	791.1	843.5	892.9	941.5	989.4	1009.9	1031.9	1079.1	1118.6	1166.4	1214.3
27.5°	769.0	823.0	872.4	916.4	961.3	989.4	1012.9	1062.3	1114.8	1167.2	1229.5
30°	745.5	796.4	843.5	886.8	936.2	965.1	988.6	1046.4	1104.9	1171.8	1246.2
32.5°	720.4	768.3	808.5	852.6	905.0	931.6	963.5	1026.6	1095.8	1175.6	1269.0
35°	688.5	734.1	769.8	814.6	867.0	901.2	934.7	1005.3	1085.9	1174.8	1281.9
37.5°	656.5	692.3	726.5	774.3	835.1	866.3	901.2	978.7	1070.7	1172.5	1287.3
40°	618.6	653.5	683.1	731.8	795.6	831.3	867.8	949.1	1053.2	1164.2	1268.3
42.5°	580.6	610.2	642.9	693.8	755.3	793.3	832.1	922.5	1030.4	1139.8	1215.8
45°	541.0	563.8	599.6	645.9	711.3	747.7	791.8	889.8	998.5	1095.8	1133.8
47.5°	500.0	522.8	556.2	601.1	665.7	709.0	750.8	848.8	958.2	1033.5	1033.5
50°	460.5	478.7	511.4	556.2	621.6	661.1	703.7	807.8	895.9	951.4	902.0
52.5°	417.9	438.5	465.8	512.9	577.5	613.2	659.6	748.5	832.1	854.9	778.9
55°	380.7	397.4	423.3	468.1	528.1	565.4	604.9	690.0	760.7	759.1	677.8
57.5°	342.0	355.6	383.0	424.0	479.5	512.9	552.4	626.2	683.9	663.4	586.6
60°	306.2	316.1	342.7	376.1	429.3	460.5	498.5	558.5	602.6	573.7	496.2
62.5°	269.0	280.4	301.7	334.4	381.5	406.5	434.7	495.5	523.6	497.7	418.7
65°	235.6	244.7	263.7	291.0	333.6	356.4	380.7	430.9	457.5	420.2	354.9
67.5°	202.1	212.8	226.4	250.8	284.2	305.5	326.8	370.1	382.2	348.8	294.1
70°	171.0	180.1	193.0	210.5	238.6	257.6	273.6	309.3	317.6	286.5	243.2
72.5°	140.6	146.7	157.3	171.7	197.6	208.2	224.9	249.2	259.9	231.8	200.6
75°	114.0	118.5	125.4	136.0	153.5	164.9	178.6	201.4	200.6	180.9	158.8
77.5°	88.1	88.9	96.5	106.4	117.0	126.9	133.7	149.7	151.2	139.1	120.8
80°	63.1	65.4	68.4	76.0	85.1	88.9	97.3	107.1	108.7	99.5	87.4
82.5°	40.3	41.8	44.1	48.6	54.7	59.3	63.8	67.6	71.4	66.1	56.2
85°	22.8	23.6	25.8	27.4	30.4	32.7	36.5	40.3	39.5	35.7	32.7
87.5°	11.4	11.4	11.4	12.9	14.4	14.4	16.0	16.7	17.5	16.0	14.4
90°	0.5	1.3	2.1	2.9	3.7	4.1	4.5	5.2	5.9	6.6	7.3
92.5°	8.7	7.8	6.9	6.0	5.1	4.6	4.9	5.5	6.1	6.7	7.3
95°	26.2	25.9	25.6	25.3	25.0	24.8	22.9	19.0	15.1	11.2	7.3
97.5°	49.1	49.7	50.3	51.0	51.6	51.9	47.1	37.4	27.7	18.0	8.3
100°	76.7	77.0	77.3	77.6	77.9	78.1	78.3	78.7	79.1	79.5	79.9
102.5°	104.7	105.1	105.5	105.9	106.3	106.5	106.6	106.8	107.1	107.3	107.5
105°	135.0	135.4	135.8	136.3	136.7	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.3	166.3	166.3	166.3	166.4	166.6	166.8	167.0	167.2
110°	196.6	196.6	196.6	196.6	196.6	196.6	196.7	196.9	197.1	197.3	197.5



TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.0	225.3	225.6	225.9	226.2	226.4	226.5	226.6	226.7	226.8	226.9
115°	253.5	254.0	254.5	255.0	255.5	255.8	255.9	256.0	256.1	256.2	256.3
117.5°	283.4	283.4	283.4	283.4	283.4	283.4	283.6	284.0	284.4	284.8	285.2
120°	310.9	310.8	310.7	310.6	310.5	310.5	310.6	310.9	311.2	311.5	311.8
122.5°	335.3	335.8	336.3	336.8	337.3	337.6	337.6	337.7	337.8	337.9	338.0
125°	360.5	361.2	361.9	362.6	363.3	363.7	363.7	363.7	363.7	363.7	363.7
127.5°	384.9	385.4	385.9	386.4	386.9	387.2	387.1	387.0	386.9	386.8	386.7
130°	406.9	407.4	407.9	408.4	408.9	409.2	409.3	409.4	409.5	409.6	409.7
132.5°	428.9	429.5	430.1	430.8	431.4	431.7	431.5	431.2	430.9	430.6	430.3
135°	449.6	450.2	450.8	451.5	452.1	452.4	452.3	452.1	451.8	451.6	451.4
137.5°	468.9	469.5	470.1	470.8	471.4	471.7	471.6	471.4	471.1	470.9	470.7
140°	487.7	487.9	488.1	488.3	488.5	488.6	488.6	488.5	488.4	488.3	488.2
142.5°	504.7	504.8	504.9	505.0	505.1	505.2	505.3	505.5	505.7	505.9	506.1
145°	521.3	521.5	521.7	521.9	522.1	522.2	522.2	522.2	522.2	522.2	522.2
147.5°	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.1	536.2	536.3	536.4
150°	549.7	549.5	549.3	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7
152.5°	563.0	562.5	562.0	561.5	561.0	560.8	560.9	561.1	561.3	561.5	561.7
155°	574.1	573.5	572.9	572.2	571.6	571.3	571.4	571.6	571.8	572.0	572.2
157.5°	582.8	582.5	582.2	581.9	581.6	581.4	581.4	581.4	581.4	581.4	581.4
160°	592.0	591.4	590.8	590.1	589.5	589.2	589.3	589.4	589.5	589.6	589.7
162.5°	599.3	598.7	598.1	597.5	596.9	596.6	596.6	596.7	596.8	596.9	597.0
165°	605.8	605.2	604.6	603.9	603.3	603.0	603.1	603.2	603.3	603.4	603.5
167.5°	610.8	610.2	609.6	609.0	608.4	608.1	608.1	608.2	608.3	608.4	608.5
170°	614.9	614.2	613.5	612.8	612.1	611.7	611.8	611.9	612.0	612.1	612.2
172.5°	617.7	617.0	616.3	615.6	614.9	614.5	614.6	614.8	615.0	615.2	615.4
175°	619.5	618.9	618.3	617.7	617.1	616.8	616.8	616.9	617.0	617.1	617.2
177.5°	620.9	620.3	619.7	619.1	618.5	618.2	618.2	618.3	618.4	618.5	618.6
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	936.2	941.5	946.1	949.9	952.9	957.5	954.4	955.2	956.7	959.7	959.7
5°	997.0	1005.3	1009.9	1025.1	1028.9	1028.1	1025.9	1038.0	1037.3	1032.7	1031.9
7.5°	1056.3	1070.7	1083.6	1095.8	1099.6	1109.4	1111.7	1117.0	1115.5	1123.1	1119.3
10°	1110.2	1133.0	1145.2	1163.4	1168.0	1172.5	1178.6	1181.6	1188.5	1187.7	1187.7
12.5°	1152.0	1179.4	1195.3	1199.9	1217.4	1222.7	1228.0	1237.9	1235.6	1236.3	1240.9
15°	1184.7	1211.3	1224.9	1246.2	1258.4	1264.5	1273.6	1284.2	1282.7	1289.5	1288.0
17.5°	1209.0	1234.1	1259.1	1291.1	1291.8	1307.8	1329.1	1333.6	1343.5	1336.7	1336.7
20°	1228.7	1262.2	1297.9	1338.9	1343.5	1353.4	1379.2	1396.7	1408.1	1404.3	1406.6
22.5°	1250.0	1297.9	1339.7	1380.7	1402.8	1420.2	1445.3	1472.7	1482.6	1488.6	1487.1
25°	1277.4	1327.5	1389.1	1446.1	1468.9	1502.3	1535.7	1562.3	1569.9	1586.7	1571.5
27.5°	1305.5	1376.2	1452.9	1519.8	1548.7	1576.0	1616.3	1636.1	1645.9	1653.5	1648.2
30°	1329.1	1426.3	1509.9	1571.5	1592.0	1607.9	1630.7	1635.3	1631.5	1637.6	1645.2
32.5°	1365.5	1460.5	1531.2	1560.8	1558.5	1557.8	1540.3	1516.0	1510.7	1496.2	1516.0
35°	1385.3	1461.3	1488.6	1449.1	1433.2	1404.3	1348.8	1312.3	1280.4	1273.6	1275.1
37.5°	1373.9	1403.5	1370.8	1266.7	1240.9	1196.8	1123.1	1071.5	1047.9	1029.7	1053.2
40°	1312.3	1279.7	1190.0	1063.1	1025.9	984.1	914.9	886.8	853.4	846.5	877.7
42.5°	1210.5	1111.0	984.1	886.0	847.3	823.7	766.0	739.4	715.8	705.2	722.7
45°	1072.2	951.4	823.7	743.2	710.5	682.4	648.2	620.1	604.9	600.3	614.8
47.5°	929.4	801.7	699.9	639.8	605.6	584.4	552.4	536.5	524.3	525.8	528.1
50°	792.6	676.3	598.0	538.0	521.3	504.6	483.3	469.6	463.5	465.8	464.3
52.5°	674.8	580.6	514.4	468.1	460.5	444.5	427.1	415.7	413.4	414.1	416.4
55°	571.4	497.7	445.3	411.9	403.5	392.1	381.5	373.9	367.8	370.1	369.3
57.5°	493.2	428.6	388.3	360.9	354.9	348.0	338.2	334.4	332.1	327.5	331.3
60°	424.0	371.6	336.6	319.9	314.6	310.0	299.4	294.8	293.3	291.0	297.1
62.5°	358.7	321.4	294.8	279.6	274.3	269.8	264.4	260.6	261.4	258.4	261.4
65°	307.0	276.6	257.6	243.9	237.1	234.0	233.3	227.2	226.4	227.2	228.0
67.5°	259.1	233.3	218.8	210.5	205.2	202.1	199.9	196.1	199.1	196.8	198.3
70°	215.8	198.3	183.1	174.8	172.5	173.3	169.5	167.9	168.7	167.2	168.7
72.5°	174.0	159.6	153.5	147.4	144.4	143.6	141.3	139.1	141.3	140.6	140.6
75°	139.1	128.4	121.6	117.8	117.8	116.3	112.5	112.5	112.5	111.7	112.5
77.5°	107.1	98.0	95.0	91.2	91.2	88.9	88.1	88.1	86.6	88.9	87.4
80°	79.8	72.9	68.4	66.1	66.1	65.4	63.8	63.1	63.8	63.1	63.1
82.5°	51.7	48.6	46.4	44.1	43.3	44.1	43.3	41.8	42.6	41.8	43.3
85°	29.6	26.6	26.6	25.1	25.8	24.3	25.1	23.6	22.8	25.1	23.6
87.5°	12.9	12.2	12.2	10.6	10.6	10.6	9.9	10.6	9.9	9.1	9.9
90°	7.8	8.3	8.8	9.3	9.6	9.8	10.1	10.4	10.7	11.0	10.7
92.5°	7.8	8.3	8.8	9.3	9.6	9.7	9.8	9.9	10.0	10.1	10.0
95°	7.8	8.3	8.8	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	8.5	8.7	8.9	9.1	9.2	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.7	49.5	34.3	19.1	11.5	11.3	10.9	10.4	10.0	9.6	10.0
102.5°	107.7	107.9	108.1	108.3	108.4	104.1	95.5	87.0	78.4	69.8	78.4
105°	136.9	136.9	136.9	136.9	136.9	136.8	136.7	136.6	136.5	136.4	136.5
107.5°	167.3	167.4	167.5	167.6	167.6	167.4	167.0	166.6	166.2	165.8	166.2
110°	197.2	196.9	196.6	196.3	196.1	196.2	196.3	196.4	196.5	196.6	196.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	226.5	226.1	225.6	225.2	225.0	224.9	224.7	224.5	224.3	224.1	224.3
115°	255.9	255.5	255.0	254.6	254.4	254.1	253.5	252.9	252.3	251.7	252.3
117.5°	284.6	284.0	283.3	282.7	282.4	282.3	282.1	281.9	281.7	281.5	281.7
120°	311.6	311.4	311.2	311.0	310.9	310.6	310.1	309.6	309.1	308.6	309.1
122.5°	337.8	337.6	337.4	337.2	337.1	336.8	336.2	335.5	334.9	334.3	334.9
125°	363.3	362.9	362.5	362.1	361.9	361.7	361.4	361.1	360.8	360.5	360.8
127.5°	386.5	386.3	386.1	385.9	385.8	385.4	384.6	383.7	382.9	382.1	382.9
130°	409.4	409.1	408.8	408.5	408.3	408.0	407.5	407.0	406.5	406.0	406.5
132.5°	430.3	430.3	430.3	430.3	430.3	430.0	429.5	429.0	428.5	428.0	428.5
135°	451.2	451.0	450.8	450.6	450.5	450.2	449.6	449.0	448.4	447.8	448.4
137.5°	470.7	470.7	470.7	470.7	470.7	470.4	469.9	469.4	468.9	468.4	468.9
140°	488.4	488.6	488.8	489.0	489.1	488.8	488.2	487.6	487.0	486.4	487.0
142.5°	506.1	506.1	506.1	506.1	506.1	505.8	505.2	504.5	503.9	503.3	503.9
145°	522.3	522.4	522.5	522.6	522.6	522.3	521.7	521.1	520.5	519.9	520.5
147.5°	536.5	536.6	536.7	536.8	536.9	536.5	535.8	535.1	534.4	533.7	534.4
150°	549.9	550.1	550.3	550.5	550.6	550.2	549.4	548.6	547.8	547.0	547.8
152.5°	561.9	562.1	562.3	562.5	562.6	562.2	561.5	560.8	560.1	559.4	560.1
155°	572.5	572.8	573.1	573.4	573.6	573.2	572.4	571.5	570.7	569.9	570.7
157.5°	581.7	582.0	582.3	582.6	582.8	582.4	581.6	580.7	579.9	579.1	579.9
160°	590.1	590.5	590.9	591.3	591.5	591.1	590.3	589.4	588.6	587.8	588.6
162.5°	597.6	598.2	598.9	599.5	599.8	599.3	598.4	597.5	596.6	595.7	596.6
165°	604.1	604.7	605.3	605.9	606.2	605.8	605.0	604.1	603.3	602.5	603.3
167.5°	609.2	609.9	610.6	611.3	611.7	611.2	610.3	609.4	608.5	607.6	608.5
170°	613.0	613.8	614.7	615.5	615.9	615.4	614.5	613.6	612.6	611.7	612.6
172.5°	616.1	616.8	617.5	618.2	618.6	618.1	617.2	616.3	615.4	614.5	615.4
175°	618.0	618.8	619.7	620.5	620.9	620.4	619.5	618.6	617.7	616.8	617.7
177.5°	619.3	620.0	620.7	621.4	621.8	621.4	620.6	619.8	619.0	618.2	619.0
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	958.2	952.9	954.4	952.9	949.1	946.8	940.7	933.2	930.1	926.3	924.0
5°	1035.0	1031.2	1030.4	1024.3	1022.8	1013.7	998.5	990.9	981.8	972.7	963.5
7.5°	1118.6	1114.0	1098.8	1096.5	1098.0	1086.6	1066.9	1051.7	1032.7	1019.8	1002.3
10°	1187.7	1178.6	1165.7	1166.4	1161.1	1145.9	1126.2	1110.2	1082.8	1066.1	1041.1
12.5°	1229.5	1221.9	1220.4	1212.8	1208.2	1188.5	1164.9	1144.4	1123.9	1101.1	1082.1
15°	1280.4	1270.5	1263.7	1253.1	1250.0	1229.5	1203.7	1180.1	1156.6	1135.3	1095.0
17.5°	1336.7	1326.0	1300.2	1297.9	1279.7	1259.9	1234.8	1199.9	1174.8	1144.4	1114.8
20°	1400.5	1385.3	1351.9	1343.5	1329.1	1296.4	1262.2	1223.4	1183.2	1152.0	1117.0
22.5°	1471.9	1445.3	1421.0	1394.4	1383.8	1343.5	1296.4	1249.3	1200.6	1158.1	1116.3
25°	1564.6	1529.7	1495.5	1468.9	1450.6	1398.2	1335.1	1272.8	1216.6	1161.1	1106.4
27.5°	1637.6	1607.2	1569.9	1535.0	1511.4	1449.1	1376.9	1296.4	1226.5	1158.8	1100.3
30°	1642.9	1633.8	1611.0	1592.0	1566.1	1499.3	1419.5	1328.3	1241.7	1159.6	1088.2
32.5°	1543.3	1561.6	1571.5	1574.5	1569.2	1530.4	1457.5	1357.2	1255.3	1152.8	1077.5
35°	1329.1	1377.7	1437.7	1460.5	1482.6	1503.1	1465.1	1377.7	1259.9	1151.2	1060.8
37.5°	1094.2	1138.3	1237.9	1283.5	1309.3	1390.6	1421.8	1374.6	1269.0	1152.8	1044.9
40°	883.0	952.9	1024.3	1085.9	1126.2	1217.4	1313.9	1324.5	1256.1	1138.3	1024.3
42.5°	743.2	784.2	838.2	895.2	930.9	1038.8	1169.5	1246.2	1215.8	1114.8	999.3
45°	633.0	663.4	714.3	733.3	778.9	882.2	1020.5	1131.5	1146.7	1077.5	970.4
47.5°	543.3	569.2	601.8	625.4	661.9	739.4	856.4	978.7	1051.7	1026.6	930.1
50°	478.7	500.0	527.4	541.0	564.6	634.5	722.7	844.2	942.3	950.6	877.7
52.5°	424.8	436.9	458.2	473.4	492.4	535.0	614.8	715.1	825.2	870.8	813.1
55°	377.7	387.5	406.5	416.4	426.3	462.8	525.1	616.3	719.6	779.7	747.0
57.5°	335.1	343.5	359.4	368.5	373.9	408.8	456.7	528.1	620.8	693.8	675.5
60°	300.2	307.8	316.9	323.7	329.8	358.7	392.1	449.9	532.7	603.4	598.8
62.5°	262.9	269.8	279.6	286.5	291.8	310.0	338.2	382.2	452.9	518.2	531.2
65°	230.2	235.6	242.4	245.4	252.3	266.0	288.8	328.3	386.0	444.5	453.7
67.5°	200.6	202.1	206.7	213.5	215.1	227.2	247.7	277.4	322.2	370.1	384.5
70°	168.7	171.0	174.8	180.1	183.1	190.7	208.2	228.0	266.7	308.5	319.2
72.5°	140.6	143.6	145.1	148.2	149.7	161.9	169.5	189.2	215.8	250.8	262.2
75°	114.0	117.0	117.8	119.3	120.8	126.1	136.8	148.9	171.0	193.8	209.0
77.5°	90.4	89.7	91.2	93.5	92.7	97.3	104.1	114.7	129.2	148.2	158.1
80°	63.8	63.8	66.1	68.4	67.6	72.2	74.5	82.1	94.2	106.4	110.2
82.5°	42.6	42.6	44.8	44.8	46.4	47.1	50.2	54.0	63.8	69.9	72.2
85°	24.3	24.3	25.1	25.1	25.1	26.6	28.9	30.4	33.4	37.2	38.8
87.5°	9.9	10.6	10.6	10.6	10.6	12.2	12.2	13.7	14.4	16.0	16.0
90°	10.4	10.1	9.8	9.6	9.3	8.8	8.3	7.8	7.3	6.6	5.9
92.5°	9.9	9.8	9.7	9.6	9.3	8.8	8.3	7.8	7.3	6.7	6.1
95°	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2	15.1
97.5°	9.4	9.3	9.2	9.2	9.1	8.9	8.7	8.5	8.3	18.0	27.7
100°	10.4	10.9	11.3	11.5	19.1	34.3	49.5	64.7	79.9	79.5	79.1
102.5°	87.0	95.5	104.1	108.4	108.3	108.1	107.9	107.7	107.5	107.3	107.1
105°	136.6	136.7	136.8	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.6	167.0	167.4	167.6	167.6	167.5	167.4	167.3	167.2	167.0	166.8
110°	196.4	196.3	196.2	196.1	196.3	196.6	196.9	197.2	197.5	197.3	197.1

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	224.5	224.7	224.9	225.0	225.2	225.6	226.1	226.5	226.9	226.8	226.7
115°	252.9	253.5	254.1	254.4	254.6	255.0	255.5	255.9	256.3	256.2	256.1
117.5°	281.9	282.1	282.3	282.4	282.7	283.3	284.0	284.6	285.2	284.8	284.4
120°	309.6	310.1	310.6	310.9	311.0	311.2	311.4	311.6	311.8	311.5	311.2
122.5°	335.5	336.2	336.8	337.1	337.2	337.4	337.6	337.8	338.0	337.9	337.8
125°	361.1	361.4	361.7	361.9	362.1	362.5	362.9	363.3	363.7	363.7	363.7
127.5°	383.7	384.6	385.4	385.8	385.9	386.1	386.3	386.5	386.7	386.8	386.9
130°	407.0	407.5	408.0	408.3	408.5	408.8	409.1	409.4	409.7	409.6	409.5
132.5°	429.0	429.5	430.0	430.3	430.3	430.3	430.3	430.3	430.3	430.6	430.9
135°	449.0	449.6	450.2	450.5	450.6	450.8	451.0	451.2	451.4	451.6	451.8
137.5°	469.4	469.9	470.4	470.7	470.7	470.7	470.7	470.7	470.7	470.9	471.1
140°	487.6	488.2	488.8	489.1	489.0	488.8	488.6	488.4	488.2	488.3	488.4
142.5°	504.5	505.2	505.8	506.1	506.1	506.1	506.1	506.1	506.1	505.9	505.7
145°	521.1	521.7	522.3	522.6	522.6	522.5	522.4	522.3	522.2	522.2	522.2
147.5°	535.1	535.8	536.5	536.9	536.8	536.7	536.6	536.5	536.4	536.3	536.2
150°	548.6	549.4	550.2	550.6	550.5	550.3	550.1	549.9	549.7	549.5	549.3
152.5°	560.8	561.5	562.2	562.6	562.5	562.3	562.1	561.9	561.7	561.5	561.3
155°	571.5	572.4	573.2	573.6	573.4	573.1	572.8	572.5	572.2	572.0	571.8
157.5°	580.7	581.6	582.4	582.8	582.6	582.3	582.0	581.7	581.4	581.4	581.4
160°	589.4	590.3	591.1	591.5	591.3	590.9	590.5	590.1	589.7	589.6	589.5
162.5°	597.5	598.4	599.3	599.8	599.5	598.9	598.2	597.6	597.0	596.9	596.8
165°	604.1	605.0	605.8	606.2	605.9	605.3	604.7	604.1	603.5	603.4	603.3
167.5°	609.4	610.3	611.2	611.7	611.3	610.6	609.9	609.2	608.5	608.4	608.3
170°	613.6	614.5	615.4	615.9	615.5	614.7	613.8	613.0	612.2	612.1	612.0
172.5°	616.3	617.2	618.1	618.6	618.2	617.5	616.8	616.1	615.4	615.2	615.0
175°	618.6	619.5	620.4	620.9	620.5	619.7	618.8	618.0	617.2	617.1	617.0
177.5°	619.8	620.6	621.4	621.8	621.4	620.7	620.0	619.3	618.6	618.5	618.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	921.0	917.2	912.6	912.6	907.3	905.0	900.5	899.0	895.2	889.1	884.5
5°	953.7	943.8	937.7	932.4	921.0	912.6	904.3	895.2	886.0	875.4	863.2
7.5°	985.6	967.3	959.0	949.9	933.2	915.7	899.0	886.8	874.6	857.9	842.7
10°	1019.0	996.2	981.0	968.9	943.0	921.0	896.7	879.2	860.2	838.9	819.2
12.5°	1047.1	1017.5	1004.6	981.8	952.1	925.6	895.2	868.6	843.5	818.4	794.1
15°	1070.7	1042.6	1010.7	1001.5	960.5	922.5	888.3	854.1	823.0	797.9	769.8
17.5°	1078.3	1042.6	1026.6	1004.6	955.9	916.4	873.1	835.9	806.2	769.0	747.0
20°	1080.6	1046.4	1024.3	1003.8	960.5	908.1	865.5	819.9	784.2	747.0	712.0
22.5°	1074.5	1034.2	1012.9	993.2	944.5	899.7	850.3	800.2	758.4	724.2	689.2
25°	1063.1	1016.0	995.5	974.2	927.8	878.4	824.5	776.6	737.9	696.8	662.6
27.5°	1047.9	993.9	970.4	948.3	902.8	856.4	805.5	756.1	712.8	669.5	637.6
30°	1028.9	966.6	945.3	916.4	872.4	828.3	781.9	732.5	683.9	642.9	607.9
32.5°	1004.6	939.2	911.1	883.8	835.9	795.6	751.5	705.2	658.1	617.8	581.3
35°	982.5	908.1	876.9	849.6	796.4	753.8	717.3	674.0	632.2	590.4	557.8
37.5°	952.9	876.9	839.7	811.6	757.6	714.3	680.1	646.7	602.6	562.3	531.9
40°	921.8	838.2	803.2	775.1	718.9	671.7	639.1	609.4	573.7	536.5	504.6
42.5°	893.6	800.9	763.7	729.5	672.5	630.7	597.3	574.5	541.8	508.4	479.5
45°	857.9	761.4	721.1	685.4	630.7	585.1	553.2	535.0	510.6	478.0	452.9
47.5°	821.4	718.9	677.1	642.1	582.8	542.6	511.4	493.9	477.2	451.4	426.3
50°	773.6	674.0	636.0	595.8	537.2	496.2	470.4	452.9	440.0	421.7	400.5
52.5°	721.1	627.7	586.6	551.7	493.9	456.7	427.1	417.2	404.3	390.6	372.3
55°	665.7	577.5	538.0	503.8	450.6	412.6	388.3	377.7	367.8	357.2	345.0
57.5°	610.2	525.1	487.9	457.5	408.1	371.6	351.8	337.4	330.6	324.5	314.6
60°	541.0	468.9	440.0	412.6	364.0	330.6	311.6	300.9	294.8	291.8	287.2
62.5°	480.3	421.0	389.1	362.5	323.7	294.1	275.8	267.5	262.2	260.6	255.3
65°	415.7	364.7	339.7	316.9	283.4	256.8	241.6	231.8	228.0	227.2	227.2
67.5°	354.9	313.8	288.8	272.8	243.9	220.4	205.9	202.1	199.9	196.8	196.1
70°	297.9	265.2	243.2	229.5	203.7	186.2	174.8	168.7	168.7	166.4	164.9
72.5°	247.7	215.1	200.6	189.2	167.9	152.7	144.4	142.9	137.5	136.8	136.8
75°	193.8	169.5	159.6	149.7	133.7	123.1	116.3	112.5	109.4	109.4	110.2
77.5°	145.9	129.2	120.1	112.5	101.1	94.2	88.9	87.4	84.3	84.3	84.3
80°	103.3	94.2	87.4	81.3	72.9	66.9	63.8	60.8	60.8	60.0	60.8
82.5°	66.9	59.3	55.5	54.7	47.1	44.8	41.0	41.8	39.5	38.8	40.3
85°	38.8	35.0	30.4	28.9	25.8	22.8	21.3	22.0	21.3	20.5	21.3
87.5°	15.2	12.9	12.2	12.2	9.9	9.1	8.4	9.1	7.6	7.6	8.4
90°	5.2	4.5	4.1	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	5.5	4.9	4.6	5.1	6.0	6.9	7.8	8.7	7.8	6.9	6.0
95°	19.0	22.9	24.8	25.0	25.3	25.6	25.9	26.2	25.9	25.6	25.3
97.5°	37.4	47.1	51.9	51.6	51.0	50.3	49.7	49.1	49.7	50.3	51.0
100°	78.7	78.3	78.1	77.9	77.6	77.3	77.0	76.7	77.0	77.3	77.6
102.5°	106.8	106.6	106.5	106.3	105.9	105.5	105.1	104.7	105.1	105.5	105.9
105°	136.9	136.9	136.9	136.7	136.3	135.8	135.4	135.0	135.4	135.8	136.3
107.5°	166.6	166.4	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
110°	196.9	196.7	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	226.6	226.5	226.4	226.2	225.9	225.6	225.3	225.0	225.3	225.6	225.9
115°	256.0	255.9	255.8	255.5	255.0	254.5	254.0	253.5	254.0	254.5	255.0
117.5°	284.0	283.6	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
120°	310.9	310.6	310.5	310.5	310.6	310.7	310.8	310.9	310.8	310.7	310.6
122.5°	337.7	337.6	337.6	337.3	336.8	336.3	335.8	335.3	335.8	336.3	336.8
125°	363.7	363.7	363.7	363.3	362.6	361.9	361.2	360.5	361.2	361.9	362.6
127.5°	387.0	387.1	387.2	386.9	386.4	385.9	385.4	384.9	385.4	385.9	386.4
130°	409.4	409.3	409.2	408.9	408.4	407.9	407.4	406.9	407.4	407.9	408.4
132.5°	431.2	431.5	431.7	431.4	430.8	430.1	429.5	428.9	429.5	430.1	430.8
135°	452.1	452.3	452.4	452.1	451.5	450.8	450.2	449.6	450.2	450.8	451.5
137.5°	471.4	471.6	471.7	471.4	470.8	470.1	469.5	468.9	469.5	470.1	470.8
140°	488.5	488.6	488.6	488.5	488.3	488.1	487.9	487.7	487.9	488.1	488.3
142.5°	505.5	505.3	505.2	505.1	505.0	504.9	504.8	504.7	504.8	504.9	505.0
145°	522.2	522.2	522.2	522.1	521.9	521.7	521.5	521.3	521.5	521.7	521.9
147.5°	536.1	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0
150°	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.5	549.3	549.1
152.5°	561.1	560.9	560.8	561.0	561.5	562.0	562.5	563.0	562.5	562.0	561.5
155°	571.6	571.4	571.3	571.6	572.2	572.9	573.5	574.1	573.5	572.9	572.2
157.5°	581.4	581.4	581.4	581.6	581.9	582.2	582.5	582.8	582.5	582.2	581.9
160°	589.4	589.3	589.2	589.5	590.1	590.8	591.4	592.0	591.4	590.8	590.1
162.5°	596.7	596.6	596.6	596.9	597.5	598.1	598.7	599.3	598.7	598.1	597.5
165°	603.2	603.1	603.0	603.3	603.9	604.6	605.2	605.8	605.2	604.6	603.9
167.5°	608.2	608.1	608.1	608.4	609.0	609.6	610.2	610.8	610.2	609.6	609.0
170°	611.9	611.8	611.7	612.1	612.8	613.5	614.2	614.9	614.2	613.5	612.8
172.5°	614.8	614.6	614.5	614.9	615.6	616.3	617.0	617.7	617.0	616.3	615.6
175°	616.9	616.8	616.8	617.1	617.7	618.3	618.9	619.5	618.9	618.3	617.7
177.5°	618.3	618.2	618.2	618.5	619.1	619.7	620.3	620.9	620.3	619.7	619.1
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	883.0	881.5	877.7	875.4	867.8	858.7	855.6	848.0	851.1	845.8	845.8
5°	859.4	852.6	848.0	841.2	826.8	816.9	806.2	800.9	797.9	794.1	791.1
7.5°	829.0	823.7	819.2	806.2	790.3	776.6	763.7	758.4	748.5	741.7	738.6
10°	802.4	794.8	784.2	769.0	752.3	734.8	723.4	712.0	704.4	700.6	692.3
12.5°	775.1	766.0	754.6	732.5	714.3	703.7	683.1	672.5	668.7	665.7	655.8
15°	747.0	737.1	723.4	702.9	686.9	661.9	649.7	641.4	632.2	631.5	623.9
17.5°	721.9	709.7	698.3	673.3	653.5	631.5	624.6	615.5	607.2	598.0	594.2
20°	690.0	678.6	670.2	642.9	620.8	607.2	595.8	588.2	582.8	573.7	572.2
22.5°	661.1	648.9	637.6	617.0	598.0	580.6	566.9	558.5	556.2	552.4	545.6
25°	633.0	620.8	607.2	588.2	568.4	556.2	544.1	538.8	534.2	528.1	522.8
27.5°	609.4	598.0	585.1	561.6	544.8	535.7	522.8	516.7	510.6	507.6	505.3
30°	581.3	568.4	558.5	540.3	522.0	509.9	500.8	495.5	490.1	487.1	485.6
32.5°	554.0	541.8	535.0	515.2	500.8	486.3	479.5	475.7	472.7	469.6	466.6
35°	531.9	519.8	509.1	490.9	476.5	466.6	461.3	455.2	452.9	449.9	449.9
37.5°	504.6	495.5	484.8	467.3	454.4	446.8	442.3	434.7	433.9	432.4	430.1
40°	481.0	471.9	462.0	446.8	435.4	426.3	420.2	416.4	414.1	412.6	411.1
42.5°	455.9	446.1	441.5	424.0	414.1	405.0	402.0	398.2	397.4	394.4	390.6
45°	431.6	423.3	414.1	401.2	392.9	385.3	380.7	377.7	373.9	373.1	370.8
47.5°	410.3	400.5	392.1	379.9	370.8	364.7	360.9	357.2	354.1	351.8	349.6
50°	383.0	375.4	368.5	355.6	348.0	342.0	336.6	333.6	330.6	330.6	330.6
52.5°	356.4	349.6	343.5	334.4	325.2	319.9	313.8	311.6	310.0	307.8	310.0
55°	330.6	323.7	317.6	310.8	300.2	295.6	289.5	287.2	288.0	288.0	290.3
57.5°	303.2	297.9	294.1	285.7	275.8	271.3	267.5	265.2	265.2	268.2	269.0
60°	276.6	271.3	264.4	256.8	250.8	245.4	243.2	243.9	243.9	245.4	249.2
62.5°	247.0	243.9	240.1	229.5	225.7	221.9	218.8	221.1	220.4	224.2	229.5
65°	219.6	216.6	211.3	205.9	201.4	197.6	196.8	197.6	199.1	202.9	209.0
67.5°	189.2	189.2	184.7	180.1	176.3	172.5	173.3	174.0	175.5	180.1	189.2
70°	164.1	161.1	156.5	153.5	150.5	148.9	147.4	150.5	155.0	158.1	164.9
72.5°	136.8	134.5	130.7	127.7	126.9	125.4	124.6	126.1	130.7	136.0	143.6
75°	107.9	108.7	106.4	104.1	104.1	101.8	103.3	103.3	107.9	113.2	119.3
77.5°	83.6	82.8	82.1	80.5	79.8	79.8	79.8	81.3	85.9	88.9	95.0
80°	59.3	60.0	57.8	58.5	57.8	58.5	58.5	61.6	63.8	67.6	72.2
82.5°	39.5	39.5	38.0	38.8	38.8	38.8	39.5	41.0	44.1	47.1	50.2
85°	22.0	22.8	21.3	22.8	22.8	22.8	23.6	24.3	26.6	27.4	30.4
87.5°	8.4	9.9	9.9	8.4	9.1	9.9	10.6	9.9	11.4	12.9	13.7
90°	3.7	4.1	4.5	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3
92.5°	5.1	4.6	4.9	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3
95°	25.0	24.8	22.9	19.0	15.1	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.6	51.9	47.1	37.4	27.7	18.0	8.3	8.5	8.7	8.9	9.1
100°	77.9	78.1	78.3	78.7	79.1	79.5	79.9	64.7	49.5	34.3	19.1
102.5°	106.3	106.5	106.6	106.8	107.1	107.3	107.5	107.7	107.9	108.1	108.3
105°	136.7	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.4	166.6	166.8	167.0	167.2	167.3	167.4	167.5	167.6
110°	196.6	196.6	196.7	196.9	197.1	197.3	197.5	197.2	196.9	196.6	196.3

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	226.2	226.4	226.5	226.6	226.7	226.8	226.9	226.5	226.1	225.6	225.2
115°	255.5	255.8	255.9	256.0	256.1	256.2	256.3	255.9	255.5	255.0	254.6
117.5°	283.4	283.4	283.6	284.0	284.4	284.8	285.2	284.6	284.0	283.3	282.7
120°	310.5	310.5	310.6	310.9	311.2	311.5	311.8	311.6	311.4	311.2	311.0
122.5°	337.3	337.6	337.6	337.7	337.8	337.9	338.0	337.8	337.6	337.4	337.2
125°	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3	362.9	362.5	362.1
127.5°	386.9	387.2	387.1	387.0	386.9	386.8	386.7	386.5	386.3	386.1	385.9
130°	408.9	409.2	409.3	409.4	409.5	409.6	409.7	409.4	409.1	408.8	408.5
132.5°	431.4	431.7	431.5	431.2	430.9	430.6	430.3	430.3	430.3	430.3	430.3
135°	452.1	452.4	452.3	452.1	451.8	451.6	451.4	451.2	451.0	450.8	450.6
137.5°	471.4	471.7	471.6	471.4	471.1	470.9	470.7	470.7	470.7	470.7	470.7
140°	488.5	488.6	488.6	488.5	488.4	488.3	488.2	488.4	488.6	488.8	489.0
142.5°	505.1	505.2	505.3	505.5	505.7	505.9	506.1	506.1	506.1	506.1	506.1
145°	522.1	522.2	522.2	522.2	522.2	522.2	522.2	522.3	522.4	522.5	522.6
147.5°	536.0	536.0	536.0	536.1	536.2	536.3	536.4	536.5	536.6	536.7	536.8
150°	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.9	550.1	550.3	550.5
152.5°	561.0	560.8	560.9	561.1	561.3	561.5	561.7	561.9	562.1	562.3	562.5
155°	571.6	571.3	571.4	571.6	571.8	572.0	572.2	572.5	572.8	573.1	573.4
157.5°	581.6	581.4	581.4	581.4	581.4	581.4	581.4	581.7	582.0	582.3	582.6
160°	589.5	589.2	589.3	589.4	589.5	589.6	589.7	590.1	590.5	590.9	591.3
162.5°	596.9	596.6	596.6	596.7	596.8	596.9	597.0	597.6	598.2	598.9	599.5
165°	603.3	603.0	603.1	603.2	603.3	603.4	603.5	604.1	604.7	605.3	605.9
167.5°	608.4	608.1	608.1	608.2	608.3	608.4	608.5	609.2	609.9	610.6	611.3
170°	612.1	611.7	611.8	611.9	612.0	612.1	612.2	613.0	613.8	614.7	615.5
172.5°	614.9	614.5	614.6	614.8	615.0	615.2	615.4	616.1	616.8	617.5	618.2
175°	617.1	616.8	616.8	616.9	617.0	617.1	617.2	618.0	618.8	619.7	620.5
177.5°	618.5	618.2	618.2	618.3	618.4	618.5	618.6	619.3	620.0	620.7	621.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	848.8	843.5	842.7	844.2	841.2	845.8	844.2	845.8	842.0	845.8	843.5
5°	790.3	788.8	785.7	781.9	782.7	783.5	787.3	783.5	786.5	787.3	791.1
7.5°	735.6	732.5	734.8	733.3	726.5	724.9	726.5	728.7	733.3	736.3	738.6
10°	691.5	690.0	686.9	684.7	680.9	678.6	681.6	678.6	684.7	690.0	690.0
12.5°	658.1	652.0	648.2	647.4	639.1	640.6	643.6	645.9	652.7	655.8	655.8
15°	623.1	618.6	617.0	614.0	611.0	614.0	612.5	614.8	617.8	620.8	622.4
17.5°	592.7	592.0	592.7	585.1	587.4	583.6	584.4	588.2	585.9	588.2	592.7
20°	565.4	566.9	564.6	561.6	561.6	557.0	562.3	560.8	561.6	566.1	573.0
22.5°	544.8	544.1	541.8	539.5	536.5	537.2	538.0	536.5	542.6	546.4	547.1
25°	522.8	521.3	520.5	518.2	515.2	518.2	517.5	518.2	519.8	525.8	521.3
27.5°	502.3	499.3	500.8	498.5	497.7	498.5	498.5	499.3	500.8	501.5	502.3
30°	484.8	481.8	481.0	479.5	478.7	479.5	481.0	479.5	485.6	484.8	484.8
32.5°	465.8	463.5	462.0	462.0	461.3	460.5	461.3	462.0	466.6	463.5	466.6
35°	447.6	446.1	446.1	444.5	443.8	443.8	443.8	446.8	445.3	447.6	447.6
37.5°	430.1	430.1	429.3	427.8	427.1	427.8	427.1	428.6	427.8	428.6	429.3
40°	411.9	410.3	409.6	409.6	407.3	405.0	407.3	407.3	408.1	410.3	411.1
42.5°	389.8	390.6	390.6	387.5	387.5	387.5	388.3	389.1	389.1	390.6	390.6
45°	370.8	369.3	369.3	369.3	367.8	368.5	370.1	370.1	370.1	370.1	368.5
47.5°	349.6	349.6	350.3	350.3	352.6	351.8	351.8	351.1	349.6	349.6	350.3
50°	329.8	332.1	332.8	332.8	333.6	334.4	334.4	332.8	332.1	329.8	329.8
52.5°	310.8	312.3	313.8	316.1	317.6	316.9	316.9	315.4	312.3	311.6	310.8
55°	290.3	292.6	295.6	297.9	300.2	300.9	300.9	297.9	294.8	291.0	291.0
57.5°	271.3	273.6	278.9	281.2	284.2	284.2	282.7	280.4	275.8	272.8	270.5
60°	252.3	256.1	259.9	264.4	268.2	269.0	266.7	263.7	258.4	254.6	251.5
62.5°	231.8	235.6	243.2	247.7	250.8	250.8	250.8	247.0	240.1	234.8	230.2
65°	212.0	215.8	222.6	228.7	231.0	233.3	231.0	227.2	221.9	215.8	211.3
67.5°	191.5	196.1	202.9	207.5	210.5	212.8	211.3	208.2	201.4	193.0	190.0
70°	168.7	171.0	180.9	185.4	190.0	191.5	190.0	185.4	178.6	169.5	166.4
72.5°	147.4	149.7	158.8	162.6	166.4	167.9	165.7	162.6	156.5	148.2	144.4
75°	123.1	126.9	131.5	137.5	142.1	143.6	141.3	139.1	131.5	126.1	123.1
77.5°	97.3	101.1	107.1	112.5	117.0	116.3	113.2	114.0	105.6	99.5	97.3
80°	73.7	76.7	81.3	85.9	88.1	88.1	87.4	84.3	81.3	76.7	72.9
82.5°	50.9	54.7	58.5	61.6	61.6	62.3	60.8	60.0	57.0	53.2	52.4
85°	30.4	31.2	34.2	34.2	37.2	35.7	35.0	37.2	34.2	31.9	31.2
87.5°	13.7	12.9	13.7	13.7	12.9	14.4	14.4	13.7	14.4	13.7	13.7
90°	9.6	9.8	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.6
92.5°	9.6	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.8	9.7	9.6
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	9.2	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.2
100°	11.5	11.3	10.9	10.4	10.0	9.6	10.0	10.4	10.9	11.3	11.5
102.5°	108.4	104.1	95.5	87.0	78.4	69.8	78.4	87.0	95.5	104.1	108.4
105°	136.9	136.8	136.7	136.6	136.5	136.4	136.5	136.6	136.7	136.8	136.9
107.5°	167.6	167.4	167.0	166.6	166.2	165.8	166.2	166.6	167.0	167.4	167.6
110°	196.1	196.2	196.3	196.4	196.5	196.6	196.5	196.4	196.3	196.2	196.1

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	225.0	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7	224.9	225.0
115°	254.4	254.1	253.5	252.9	252.3	251.7	252.3	252.9	253.5	254.1	254.4
117.5°	282.4	282.3	282.1	281.9	281.7	281.5	281.7	281.9	282.1	282.3	282.4
120°	310.9	310.6	310.1	309.6	309.1	308.6	309.1	309.6	310.1	310.6	310.9
122.5°	337.1	336.8	336.2	335.5	334.9	334.3	334.9	335.5	336.2	336.8	337.1
125°	361.9	361.7	361.4	361.1	360.8	360.5	360.8	361.1	361.4	361.7	361.9
127.5°	385.8	385.4	384.6	383.7	382.9	382.1	382.9	383.7	384.6	385.4	385.8
130°	408.3	408.0	407.5	407.0	406.5	406.0	406.5	407.0	407.5	408.0	408.3
132.5°	430.3	430.0	429.5	429.0	428.5	428.0	428.5	429.0	429.5	430.0	430.3
135°	450.5	450.2	449.6	449.0	448.4	447.8	448.4	449.0	449.6	450.2	450.5
137.5°	470.7	470.4	469.9	469.4	468.9	468.4	468.9	469.4	469.9	470.4	470.7
140°	489.1	488.8	488.2	487.6	487.0	486.4	487.0	487.6	488.2	488.8	489.1
142.5°	506.1	505.8	505.2	504.5	503.9	503.3	503.9	504.5	505.2	505.8	506.1
145°	522.6	522.3	521.7	521.1	520.5	519.9	520.5	521.1	521.7	522.3	522.6
147.5°	536.9	536.5	535.8	535.1	534.4	533.7	534.4	535.1	535.8	536.5	536.9
150°	550.6	550.2	549.4	548.6	547.8	547.0	547.8	548.6	549.4	550.2	550.6
152.5°	562.6	562.2	561.5	560.8	560.1	559.4	560.1	560.8	561.5	562.2	562.6
155°	573.6	573.2	572.4	571.5	570.7	569.9	570.7	571.5	572.4	573.2	573.6
157.5°	582.8	582.4	581.6	580.7	579.9	579.1	579.9	580.7	581.6	582.4	582.8
160°	591.5	591.1	590.3	589.4	588.6	587.8	588.6	589.4	590.3	591.1	591.5
162.5°	599.8	599.3	598.4	597.5	596.6	595.7	596.6	597.5	598.4	599.3	599.8
165°	606.2	605.8	605.0	604.1	603.3	602.5	603.3	604.1	605.0	605.8	606.2
167.5°	611.7	611.2	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.7
170°	615.9	615.4	614.5	613.6	612.6	611.7	612.6	613.6	614.5	615.4	615.9
172.5°	618.6	618.1	617.2	616.3	615.4	614.5	615.4	616.3	617.2	618.1	618.6
175°	620.9	620.4	619.5	618.6	617.7	616.8	617.7	618.6	619.5	620.4	620.9
177.5°	621.8	621.4	620.6	619.8	619.0	618.2	619.0	619.8	620.6	621.4	621.8
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	850.3	845.8	851.1	844.2	845.8	854.1	853.4	861.0	865.5	864.8	868.6
5°	794.1	794.1	796.4	795.6	803.2	810.0	819.2	826.8	835.1	839.7	845.0
7.5°	738.6	746.2	747.7	751.5	760.7	772.1	781.2	792.6	804.7	813.1	819.2
10°	693.0	699.1	705.2	708.2	718.1	733.3	746.2	764.5	779.7	788.8	797.1
12.5°	652.7	659.6	662.6	676.3	683.1	693.0	711.3	731.0	747.7	757.6	764.5
15°	623.9	627.7	634.5	642.9	649.7	661.9	677.1	699.1	715.1	723.4	747.0
17.5°	599.6	604.1	607.9	611.7	622.4	635.3	649.7	668.7	689.2	703.7	715.8
20°	574.5	576.8	581.3	587.4	595.0	607.2	620.1	639.8	658.1	669.5	685.4
22.5°	544.8	551.7	556.2	560.8	569.2	582.8	595.0	609.4	632.2	645.2	661.9
25°	527.4	530.4	533.4	538.8	544.8	557.0	570.7	585.9	604.1	617.8	632.2
27.5°	504.6	509.1	512.9	519.8	523.6	533.4	546.4	561.6	583.6	595.0	607.2
30°	485.6	490.1	493.2	496.2	501.5	512.2	524.3	536.5	557.0	571.4	583.6
32.5°	466.6	471.1	474.9	477.2	482.5	489.4	499.3	514.4	531.9	541.8	557.8
35°	449.9	449.9	454.4	457.5	462.0	468.1	477.2	488.6	506.8	519.8	534.2
37.5°	430.9	431.6	435.4	437.7	442.3	448.3	457.5	468.1	483.3	493.2	507.6
40°	411.1	413.4	414.9	418.7	424.0	426.3	435.4	447.6	462.8	471.9	484.1
42.5°	391.3	392.9	396.7	399.7	404.3	408.1	414.1	425.5	436.9	450.6	460.5
45°	369.3	373.1	375.4	380.7	383.0	386.8	392.9	402.0	415.7	424.0	435.4
47.5°	350.3	351.8	353.4	360.2	364.7	367.0	373.1	378.4	392.9	400.5	411.1
50°	329.8	329.8	332.1	335.1	340.4	345.0	350.3	356.4	367.8	375.4	386.0
52.5°	310.8	308.5	310.0	311.6	316.9	321.4	326.8	335.1	345.8	350.3	359.4
55°	290.3	286.5	288.8	291.0	292.6	298.6	304.7	310.0	318.4	325.2	333.6
57.5°	268.2	267.5	266.0	266.7	270.5	274.3	278.9	285.7	295.6	300.9	305.5
60°	248.5	243.9	242.4	243.9	246.2	248.5	254.6	260.6	269.0	274.3	279.6
62.5°	228.0	223.4	220.4	218.1	220.4	225.7	229.5	234.0	240.9	247.0	251.5
65°	208.2	201.4	198.3	196.8	196.1	199.9	202.9	209.0	215.1	217.3	222.6
67.5°	186.2	180.1	176.3	174.0	174.0	174.0	177.1	183.1	189.2	190.0	195.3
70°	164.1	157.3	153.5	150.5	148.9	150.5	154.3	155.0	160.3	161.9	164.9
72.5°	140.6	134.5	129.9	126.1	126.9	128.4	128.4	129.9	133.0	136.8	136.8
75°	118.5	110.2	107.9	104.9	103.3	103.3	103.3	106.4	108.7	111.7	110.9
77.5°	93.5	88.9	84.3	82.8	80.5	79.8	81.3	81.3	82.8	85.1	85.9
80°	72.2	66.9	63.8	62.3	59.3	58.5	59.3	59.3	61.6	60.8	61.6
82.5°	50.2	46.4	44.1	41.8	40.3	41.0	40.3	40.3	41.0	40.3	40.3
85°	28.9	28.1	26.6	25.8	25.1	23.6	25.1	24.3	23.6	22.8	24.3
87.5°	13.7	12.9	12.9	11.4	11.4	10.6	11.4	11.4	10.6	10.6	10.6
90°	9.3	8.8	8.3	7.8	7.3	6.6	5.9	5.2	4.5	4.1	3.7
92.5°	9.3	8.8	8.3	7.8	7.3	6.7	6.1	5.5	4.9	4.6	5.1
95°	9.3	8.8	8.3	7.8	7.3	11.2	15.1	19.0	22.9	24.8	25.0
97.5°	9.1	8.9	8.7	8.5	8.3	18.0	27.7	37.4	47.1	51.9	51.6
100°	19.1	34.3	49.5	64.7	79.9	79.5	79.1	78.7	78.3	78.1	77.9
102.5°	108.3	108.1	107.9	107.7	107.5	107.3	107.1	106.8	106.6	106.5	106.3
105°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.7
107.5°	167.6	167.5	167.4	167.3	167.2	167.0	166.8	166.6	166.4	166.3	166.3
110°	196.3	196.6	196.9	197.2	197.5	197.3	197.1	196.9	196.7	196.6	196.6

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	225.2	225.6	226.1	226.5	226.9	226.8	226.7	226.6	226.5	226.4	226.2
115°	254.6	255.0	255.5	255.9	256.3	256.2	256.1	256.0	255.9	255.8	255.5
117.5°	282.7	283.3	284.0	284.6	285.2	284.8	284.4	284.0	283.6	283.4	283.4
120°	311.0	311.2	311.4	311.6	311.8	311.5	311.2	310.9	310.6	310.5	310.5
122.5°	337.2	337.4	337.6	337.8	338.0	337.9	337.8	337.7	337.6	337.6	337.3
125°	362.1	362.5	362.9	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3
127.5°	385.9	386.1	386.3	386.5	386.7	386.8	386.9	387.0	387.1	387.2	386.9
130°	408.5	408.8	409.1	409.4	409.7	409.6	409.5	409.4	409.3	409.2	408.9
132.5°	430.3	430.3	430.3	430.3	430.3	430.6	430.9	431.2	431.5	431.7	431.4
135°	450.6	450.8	451.0	451.2	451.4	451.6	451.8	452.1	452.3	452.4	452.1
137.5°	470.7	470.7	470.7	470.7	470.7	470.9	471.1	471.4	471.6	471.7	471.4
140°	489.0	488.8	488.6	488.4	488.2	488.3	488.4	488.5	488.6	488.6	488.5
142.5°	506.1	506.1	506.1	506.1	506.1	505.9	505.7	505.5	505.3	505.2	505.1
145°	522.6	522.5	522.4	522.3	522.2	522.2	522.2	522.2	522.2	522.2	522.1
147.5°	536.8	536.7	536.6	536.5	536.4	536.3	536.2	536.1	536.0	536.0	536.0
150°	550.5	550.3	550.1	549.9	549.7	549.5	549.3	549.1	548.9	548.8	548.9
152.5°	562.5	562.3	562.1	561.9	561.7	561.5	561.3	561.1	560.9	560.8	561.0
155°	573.4	573.1	572.8	572.5	572.2	572.0	571.8	571.6	571.4	571.3	571.6
157.5°	582.6	582.3	582.0	581.7	581.4	581.4	581.4	581.4	581.4	581.4	581.6
160°	591.3	590.9	590.5	590.1	589.7	589.6	589.5	589.4	589.3	589.2	589.5
162.5°	599.5	598.9	598.2	597.6	597.0	596.9	596.8	596.7	596.6	596.6	596.9
165°	605.9	605.3	604.7	604.1	603.5	603.4	603.3	603.2	603.1	603.0	603.3
167.5°	611.3	610.6	609.9	609.2	608.5	608.4	608.3	608.2	608.1	608.1	608.4
170°	615.5	614.7	613.8	613.0	612.2	612.1	612.0	611.9	611.8	611.7	612.1
172.5°	618.2	617.5	616.8	616.1	615.4	615.2	615.0	614.8	614.6	614.5	614.9
175°	620.5	619.7	618.8	618.0	617.2	617.1	617.0	616.9	616.8	616.8	617.1
177.5°	621.4	620.7	620.0	619.3	618.6	618.5	618.4	618.3	618.2	618.2	618.5
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	895.2	895.2	895.2	895.2
2.5°	873.9	881.5	886.8	896.7
5°	854.1	867.8	880.7	894.4
7.5°	834.4	850.3	870.8	888.3
10°	812.3	832.8	857.2	880.7
12.5°	790.3	814.6	841.2	872.4
15°	763.7	794.8	826.0	859.4
17.5°	740.1	772.1	805.5	847.3
20°	713.5	748.5	785.0	827.5
22.5°	690.0	728.7	766.7	811.6
25°	663.4	701.4	743.2	791.1
27.5°	641.4	676.3	717.3	769.0
30°	614.8	652.7	693.8	745.5
32.5°	589.7	626.2	669.5	720.4
35°	563.8	601.1	639.8	688.5
37.5°	539.5	571.4	610.2	656.5
40°	512.2	547.1	582.1	618.6
42.5°	487.1	519.0	551.7	580.6
45°	459.0	486.3	517.5	541.0
47.5°	433.1	457.5	481.8	500.0
50°	407.3	426.3	444.5	460.5
52.5°	376.9	398.2	408.1	417.9
55°	349.6	361.7	370.8	380.7
57.5°	323.0	328.3	332.8	342.0
60°	288.0	294.1	299.4	306.2
62.5°	257.6	260.6	262.2	269.0
65°	228.7	228.0	231.8	235.6
67.5°	197.6	196.8	200.6	202.1
70°	167.2	166.4	167.2	171.0
72.5°	138.3	138.3	139.1	140.6
75°	111.7	111.7	112.5	114.0
77.5°	84.3	85.9	85.1	88.1
80°	61.6	60.0	61.6	63.1
82.5°	40.3	41.8	41.8	40.3
85°	22.8	22.8	22.8	22.8
87.5°	9.9	9.9	10.6	11.4
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.3	25.6	25.9	26.2
97.5°	51.0	50.3	49.7	49.1
100°	77.6	77.3	77.0	76.7
102.5°	105.9	105.5	105.1	104.7
105°	136.3	135.8	135.4	135.0
107.5°	166.3	166.3	166.3	166.3
110°	196.6	196.6	196.6	196.6

TEST NUMBER: P1034587

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.9	225.6	225.3	225.0
115°	255.0	254.5	254.0	253.5
117.5°	283.4	283.4	283.4	283.4
120°	310.6	310.7	310.8	310.9
122.5°	336.8	336.3	335.8	335.3
125°	362.6	361.9	361.2	360.5
127.5°	386.4	385.9	385.4	384.9
130°	408.4	407.9	407.4	406.9
132.5°	430.8	430.1	429.5	428.9
135°	451.5	450.8	450.2	449.6
137.5°	470.8	470.1	469.5	468.9
140°	488.3	488.1	487.9	487.7
142.5°	505.0	504.9	504.8	504.7
145°	521.9	521.7	521.5	521.3
147.5°	536.0	536.0	536.0	536.0
150°	549.1	549.3	549.5	549.7
152.5°	561.5	562.0	562.5	563.0
155°	572.2	572.9	573.5	574.1
157.5°	581.9	582.2	582.5	582.8
160°	590.1	590.8	591.4	592.0
162.5°	597.5	598.1	598.7	599.3
165°	603.9	604.6	605.2	605.8
167.5°	609.0	609.6	610.2	610.8
170°	612.8	613.5	614.2	614.9
172.5°	615.6	616.3	617.0	617.7
175°	617.7	618.3	618.9	619.5
177.5°	619.1	619.7	620.3	620.9
180°	619.5	619.5	619.5	619.5

(END OF REPORT)