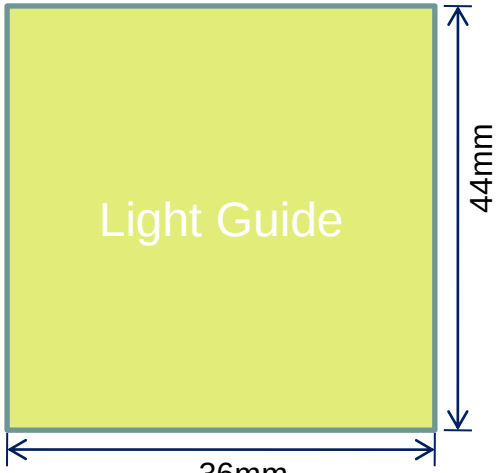
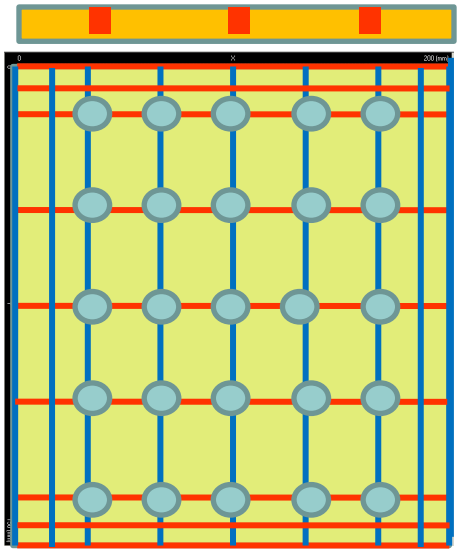
Example -3LEDS

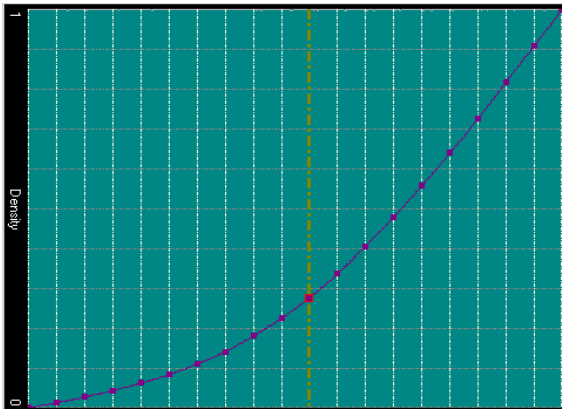
Materials:



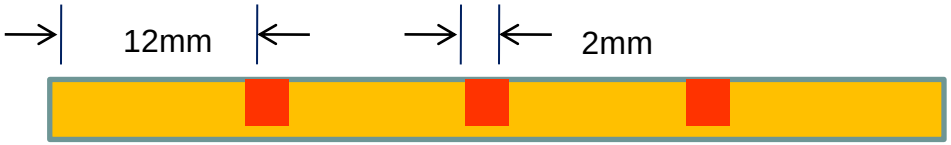
LGM dimension



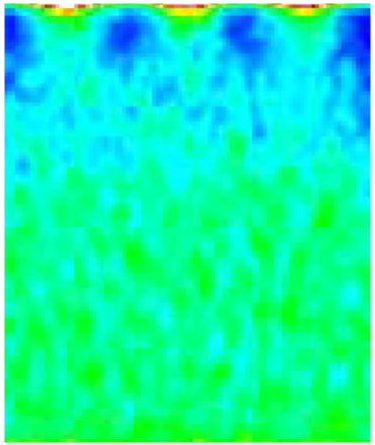
Measurement site and design lines



Typical density profile

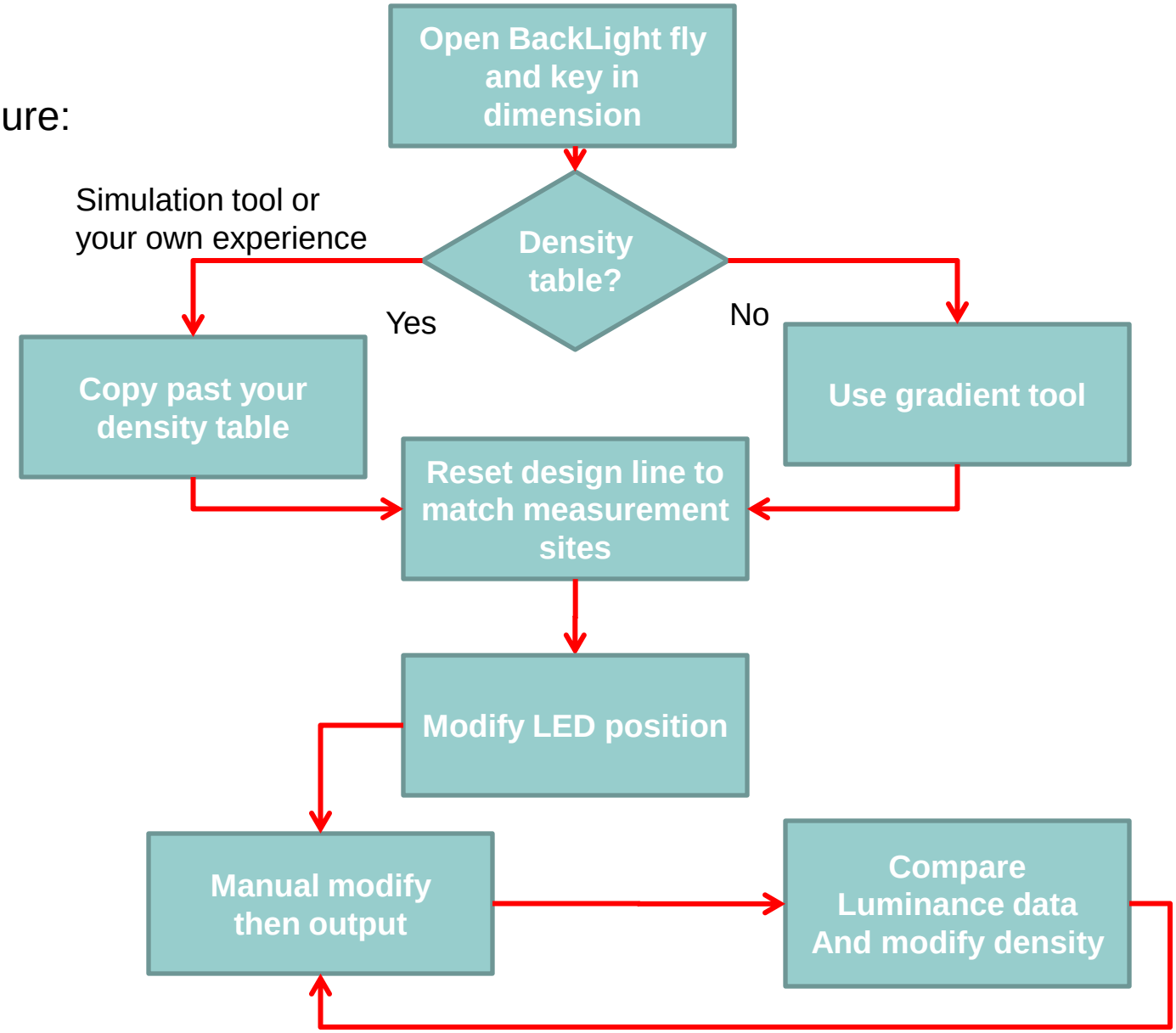


LED location

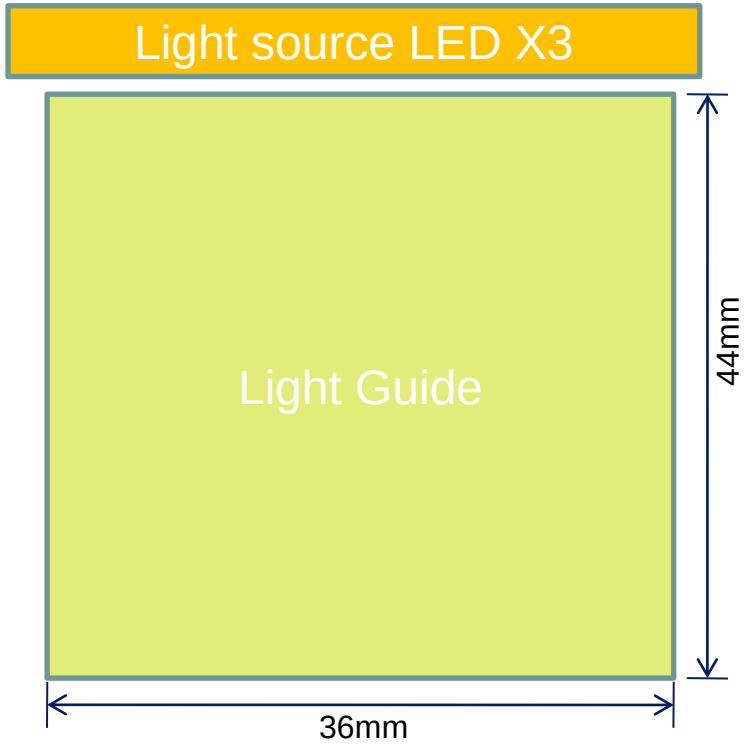


Luminance result

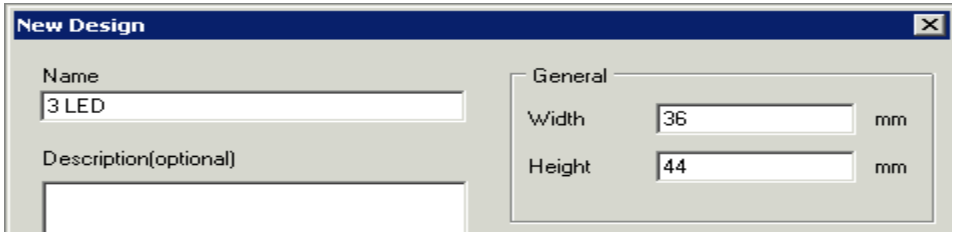
Procedure:



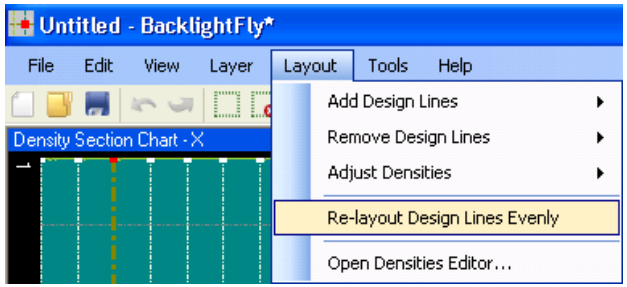
Open BackLight fly and key in dimension



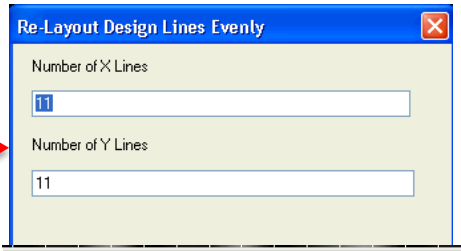
Open new project and key in X,Y dimension

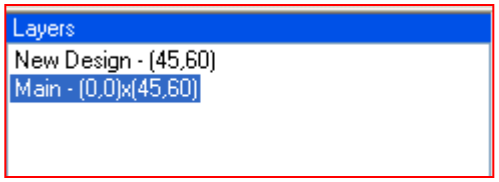


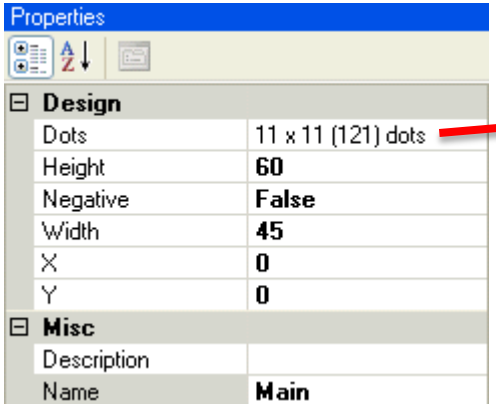
Copy past your density table

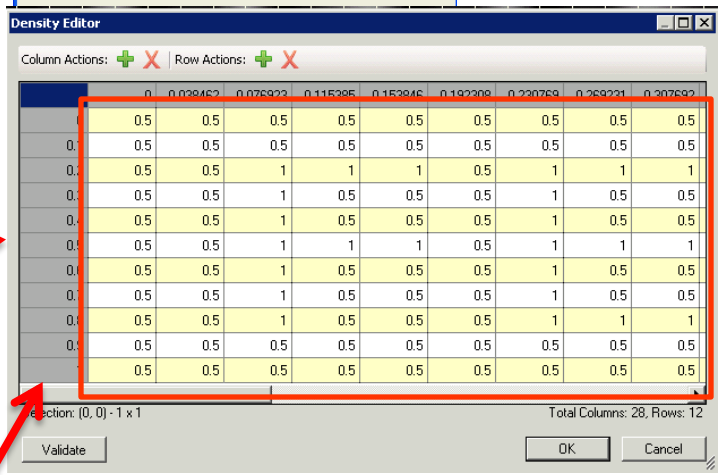


Modify Dots x,y







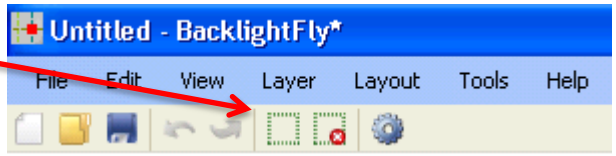


Copy data here

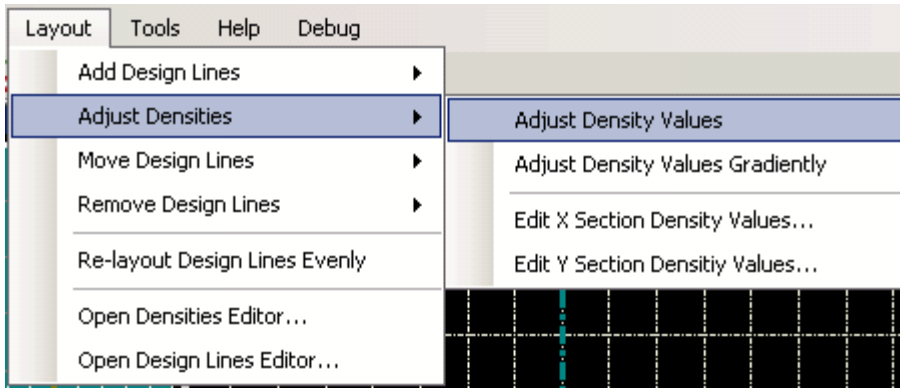
Use gradient tool

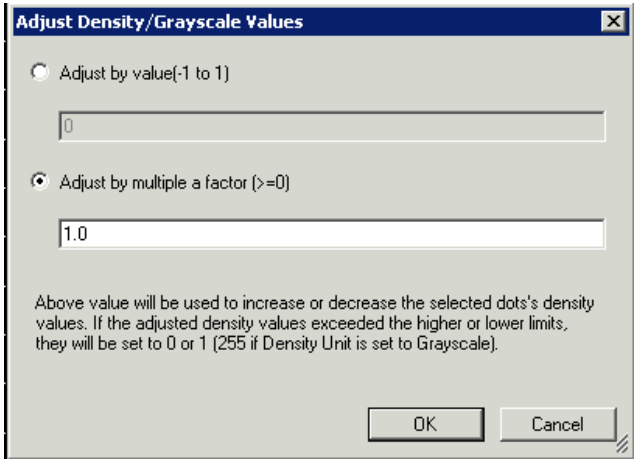
(ex. LED side 0.5% far end 65%)

•Select all dots

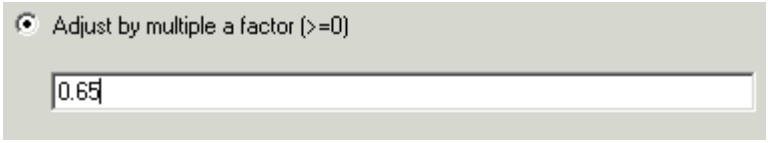


•Choose adjust density/Adjust Density Value





•Select Adjust by multiple factor to max density



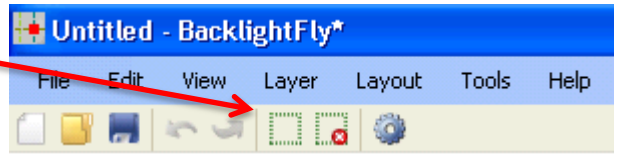
System default=1, so 1*0.65=0.65

Febees! SOFTWARE

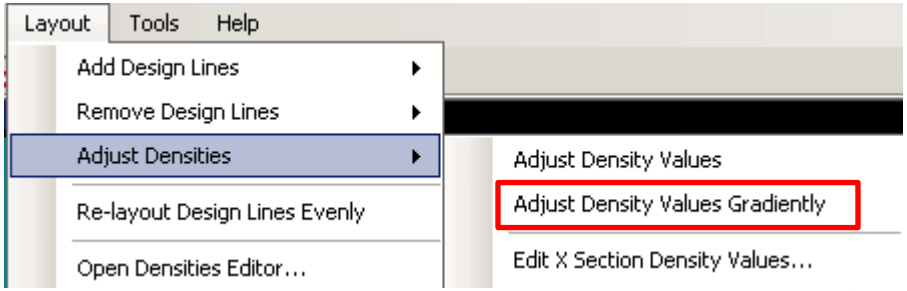
Use gradient tool

(ex. LED side 5% far end 65%)

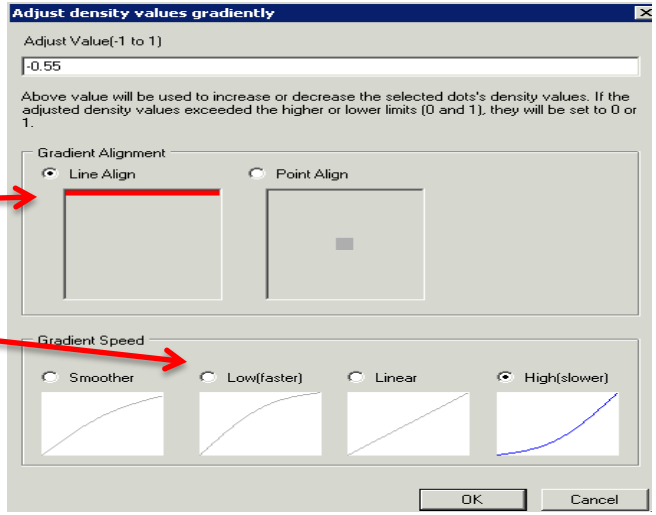
•Select all dots



•Choose adjust density/Adjust Density Value Gradiently



•Type -0.6 in adjust value
Choose line align from top
Select proper gradient speed

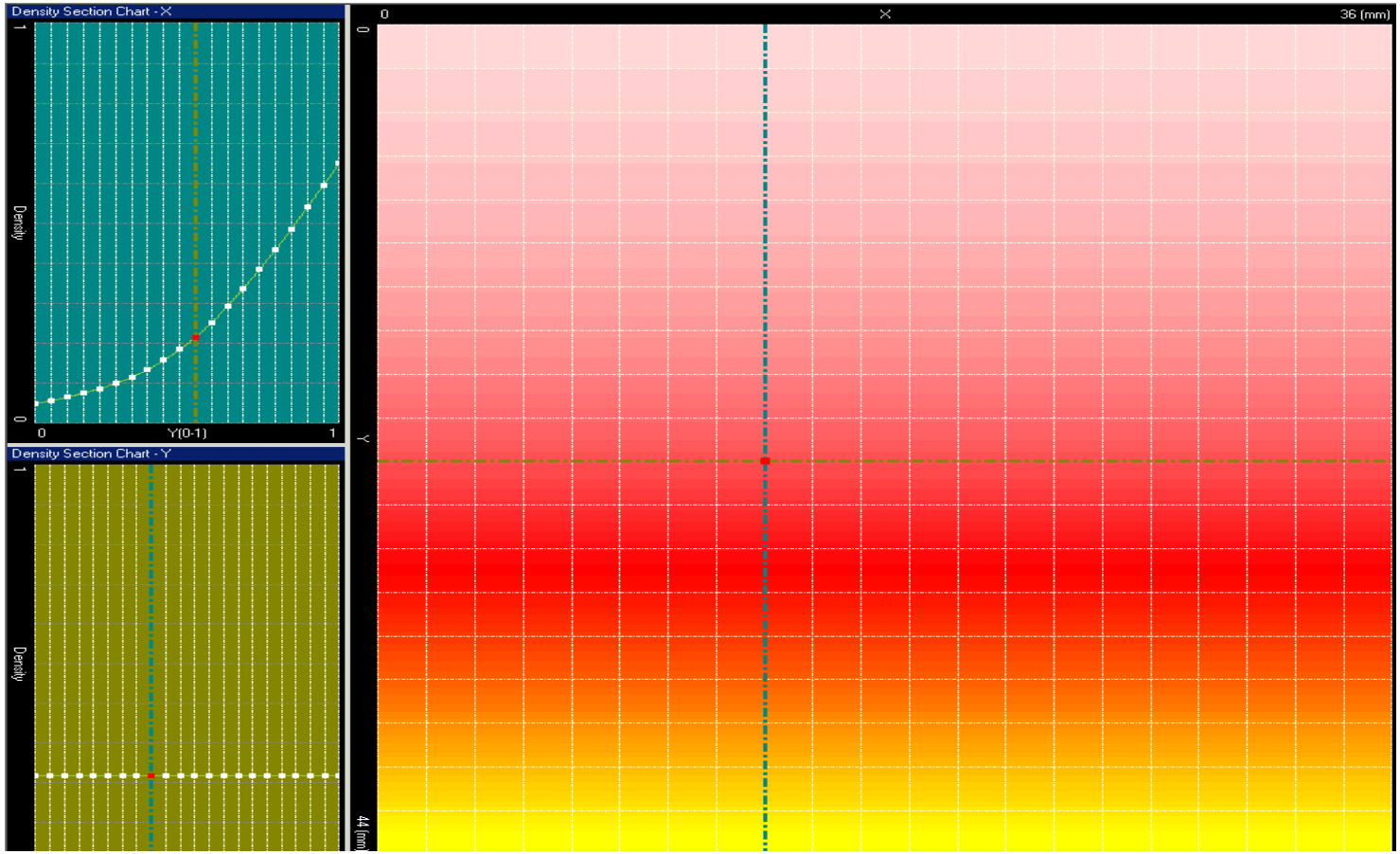


Max D=0.65, so top is 0.65-0.6=0.05
Far end =0.65-0=0.65

Febees! SOFTWARE

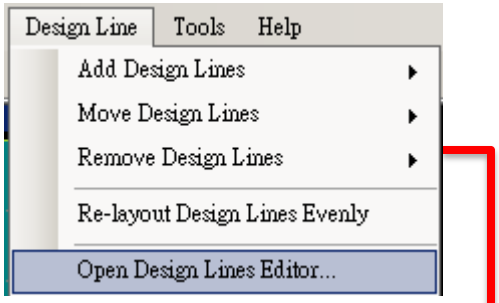
Use gradient tool

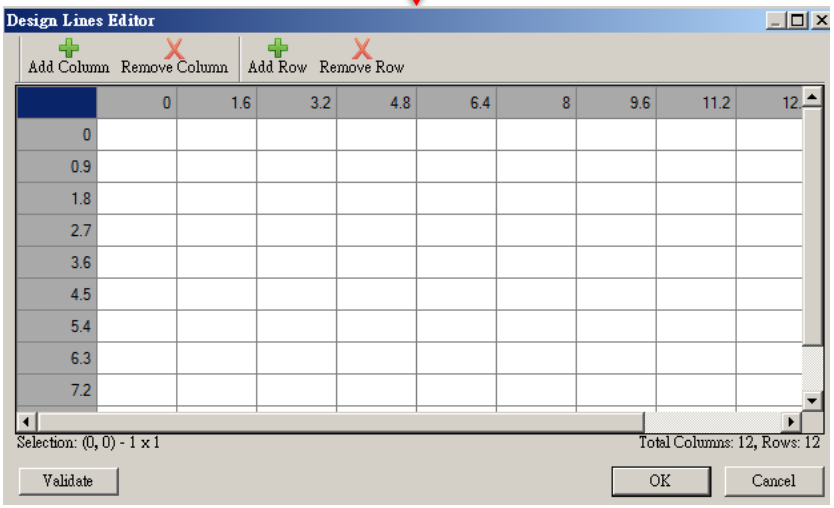
You got similar density map

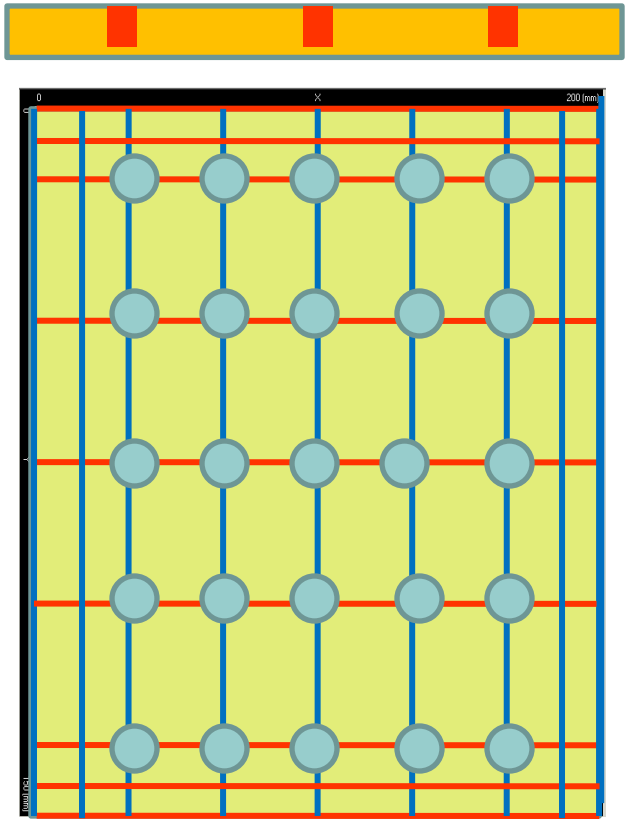


Reset design number and position

Open Design lines editor



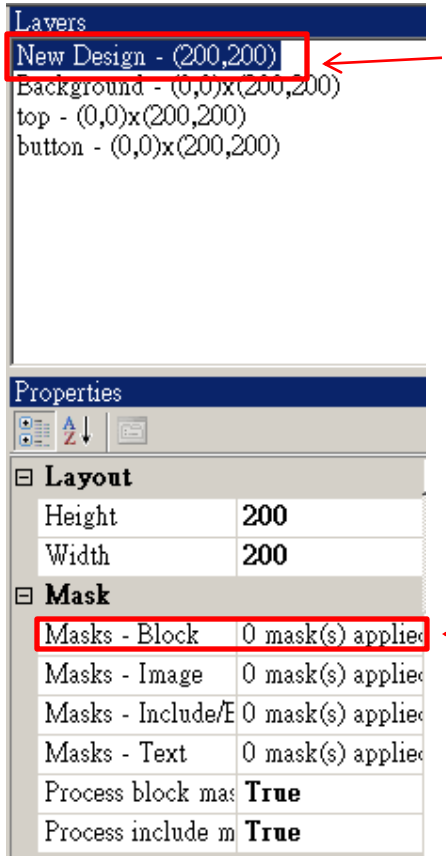




Change location to match measurement sites

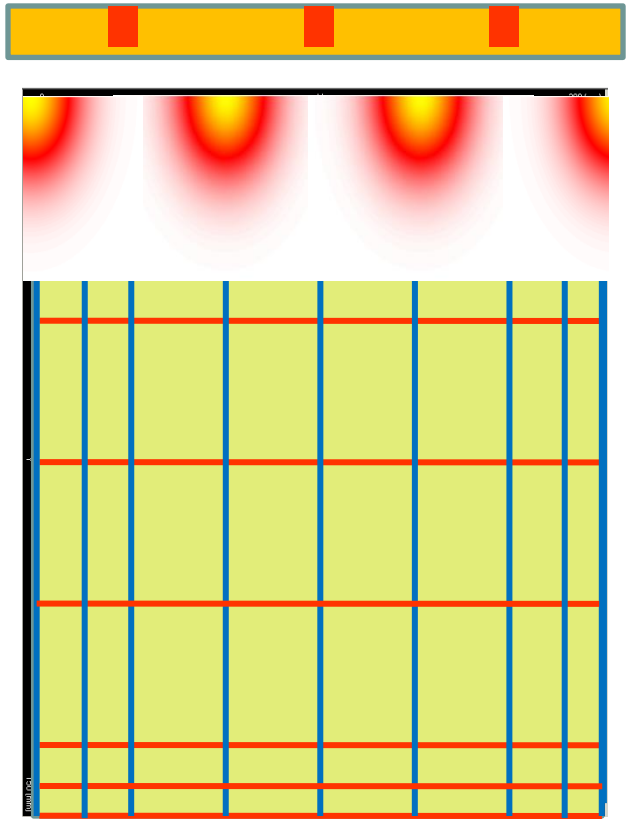
Modify LED position

Paste-Dark and White Block in LED side



Select new design

Block



Mask function - Block

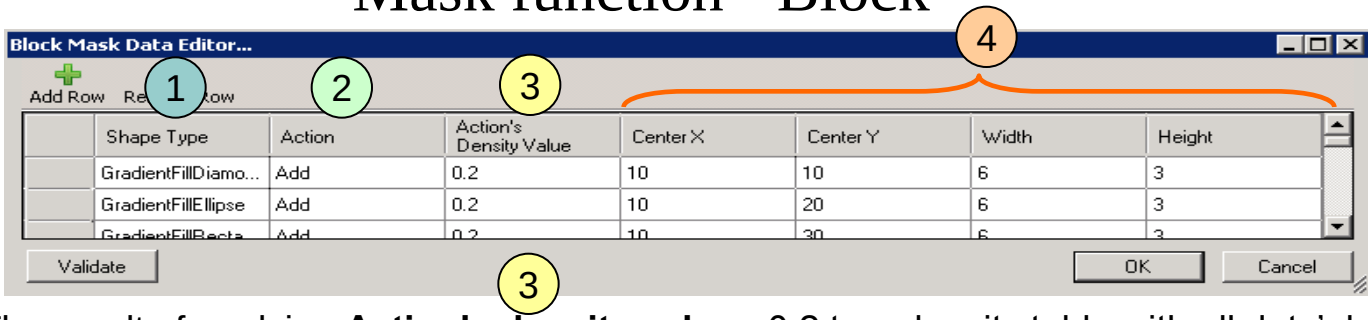
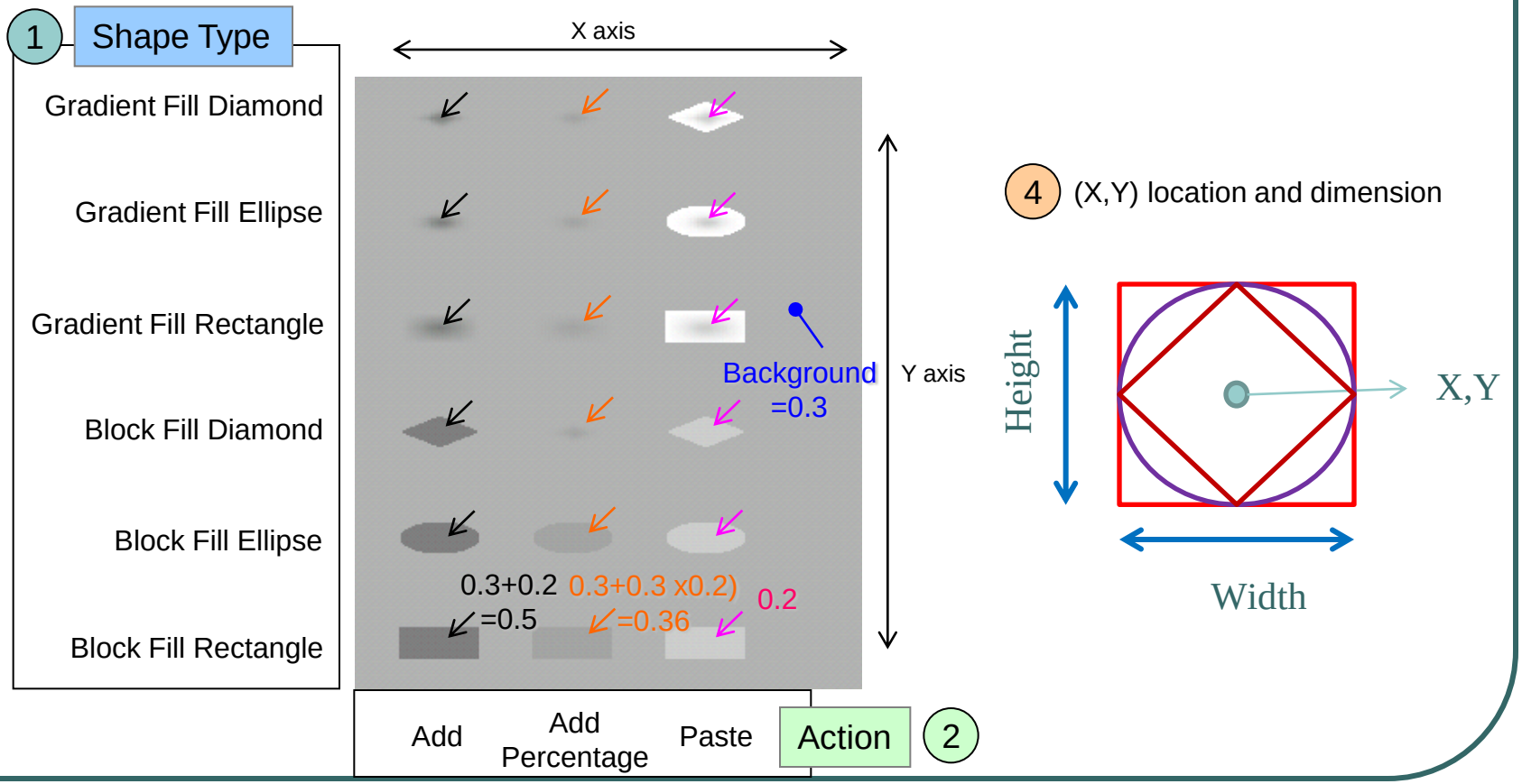
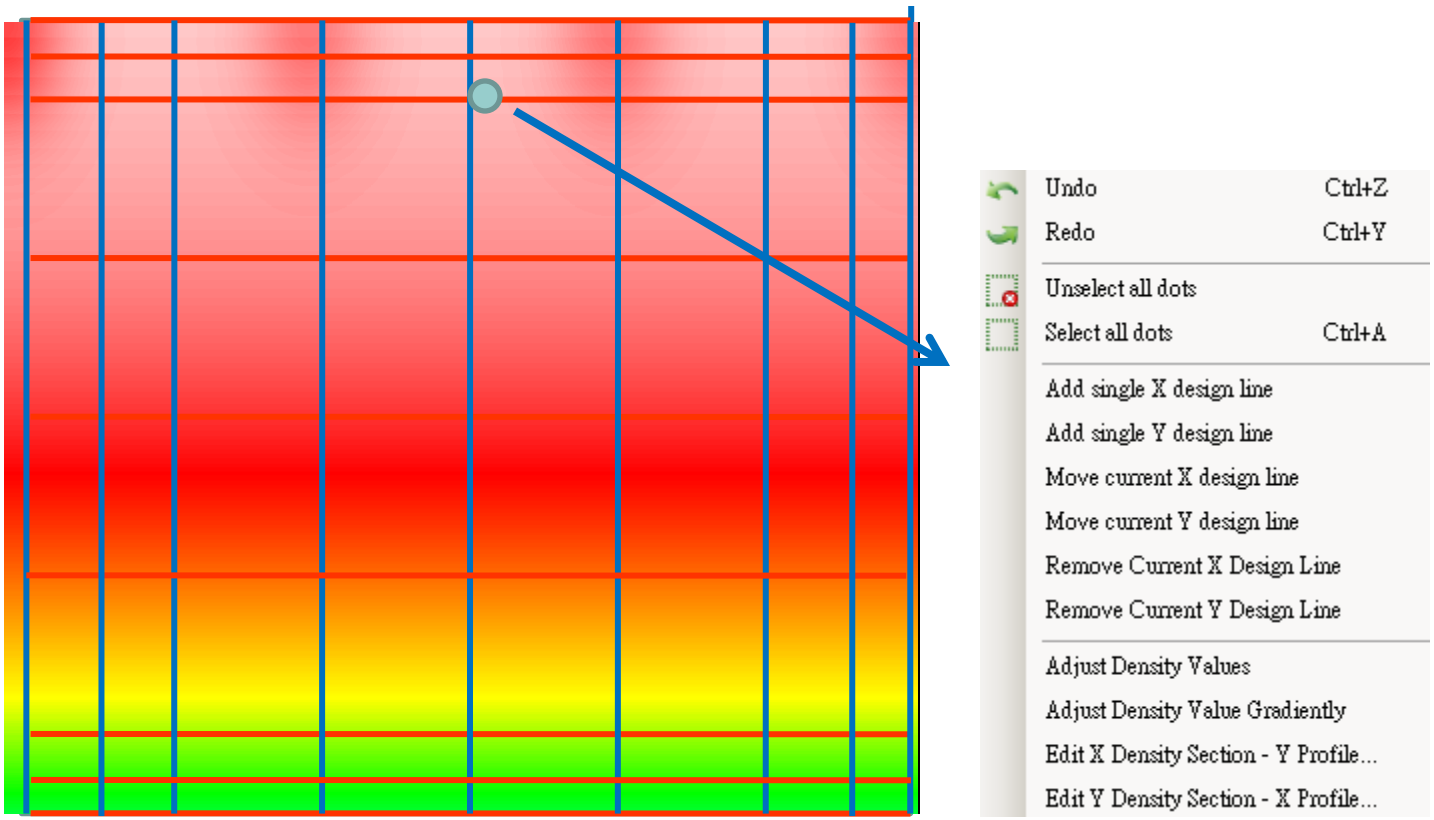


Fig. The result of applying **Action's density value**= 0.2 to a density table with all dots' density are 0.3



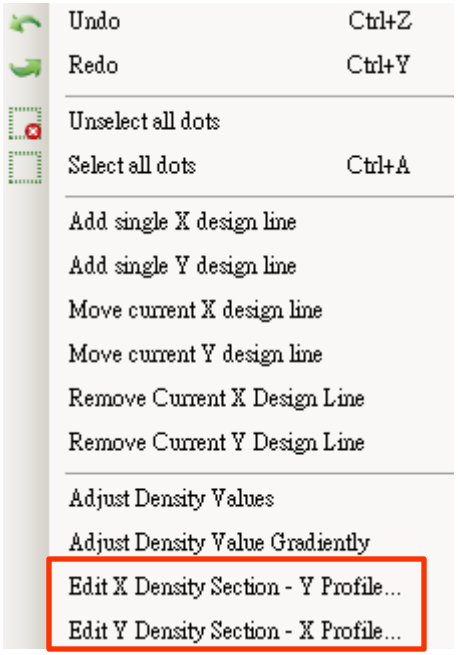
Manual modify then output

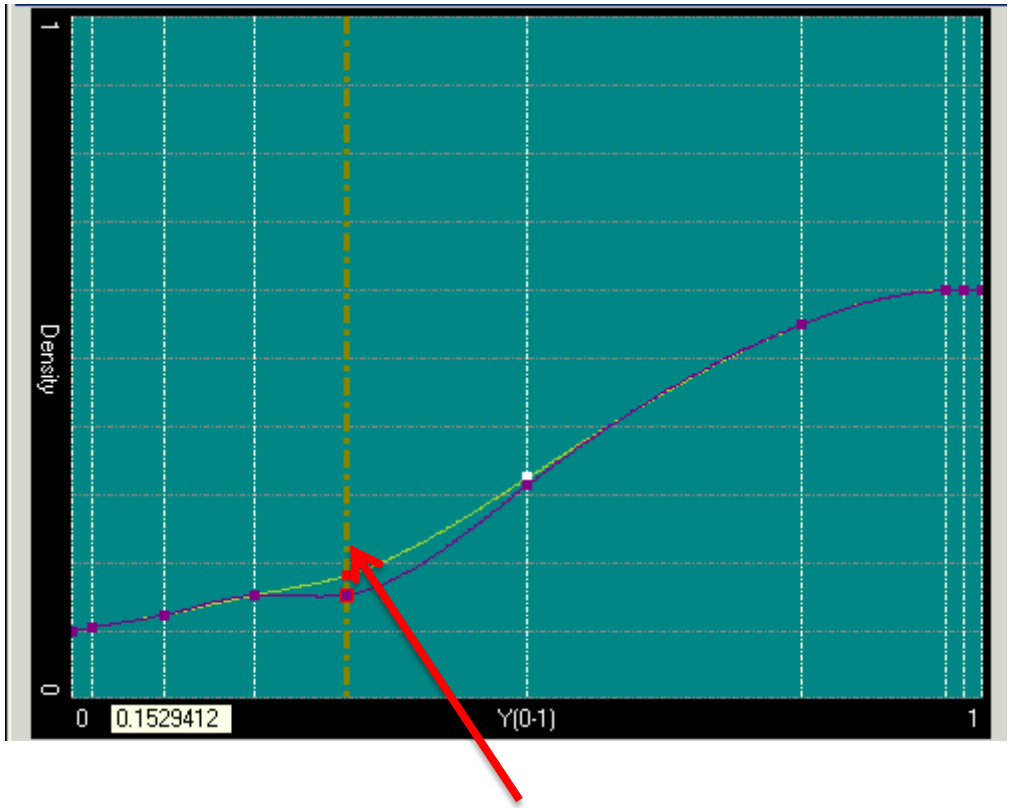
•Click cross of design lines click mouse right button



Check profile

•Select Edit Profile to keep each line density profile smooth

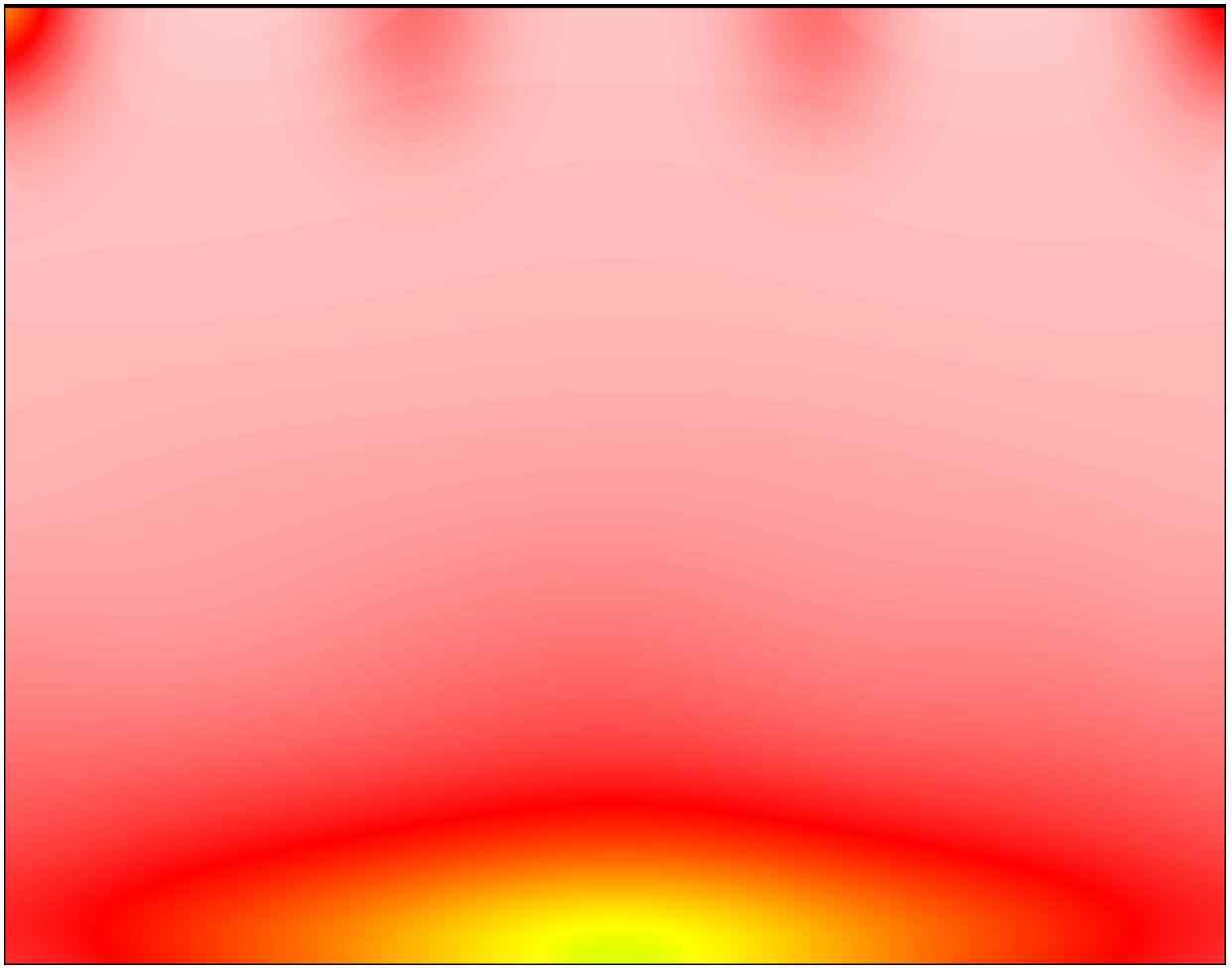




Press and move mouse or use arrow key to adjust

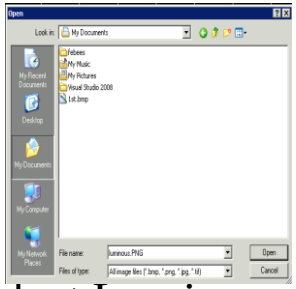
Febees! SOFTWARE

•Final Design



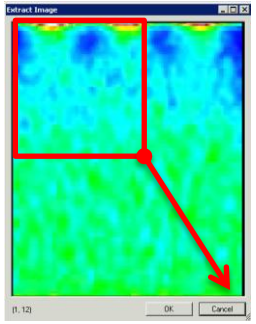
Compare Luminance data and add design line in hot spot position

1



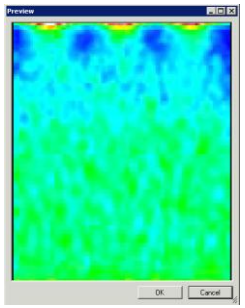
Select Luminous image

2

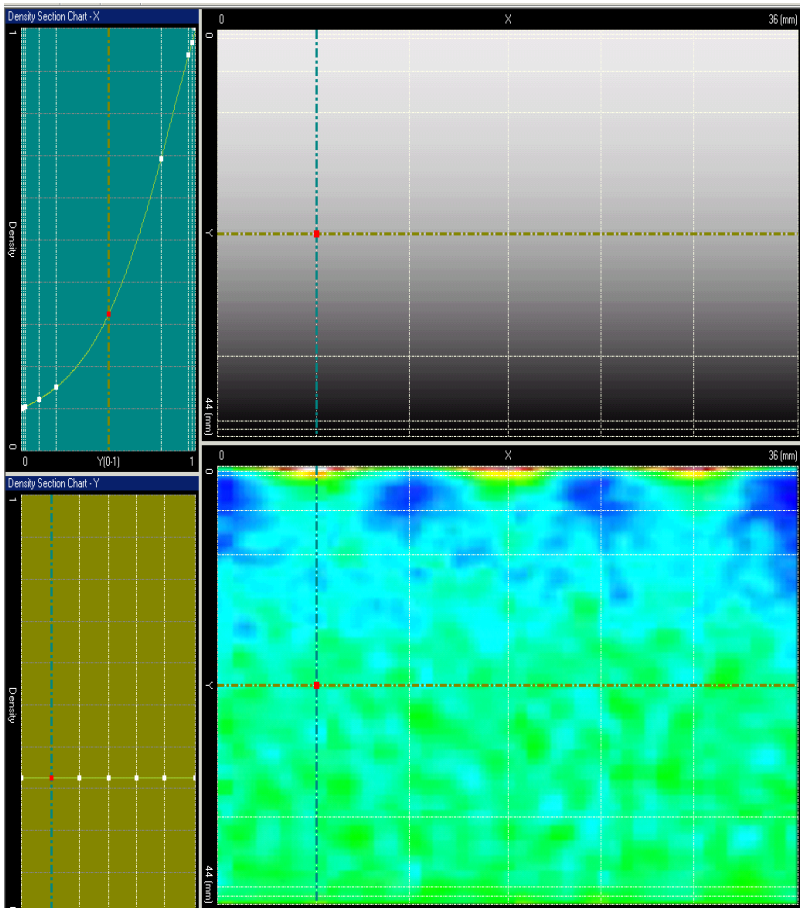


Hold mouse to select active area

3



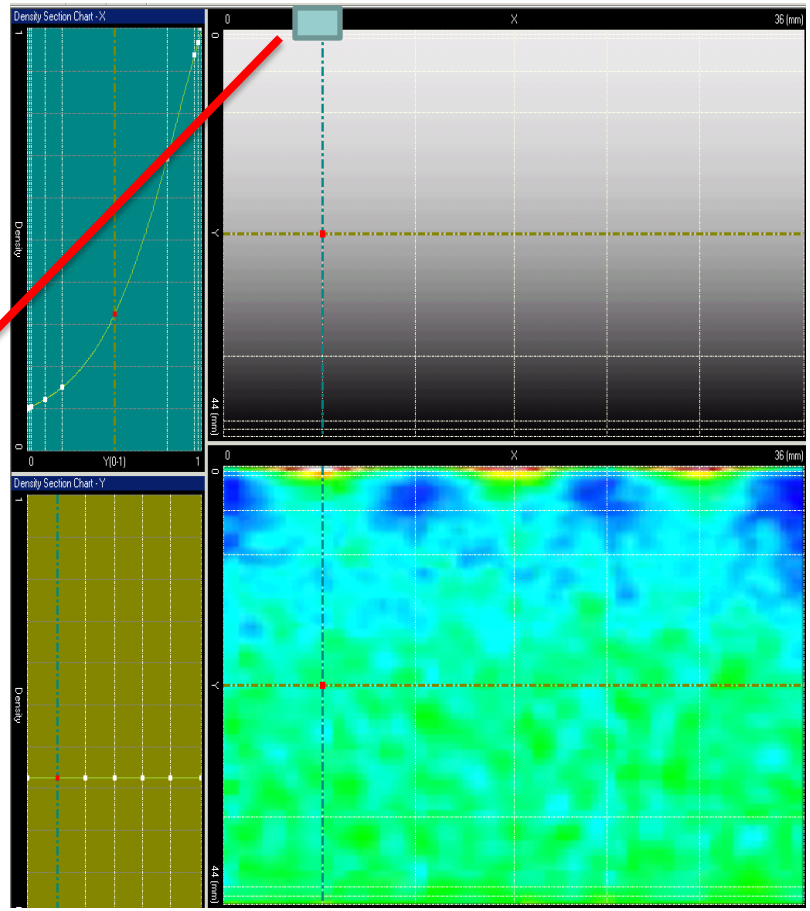
Click OK



Febees! SOFTWARE

Compare Luminance data

•Click cross of design lines and key in new density in active dot window



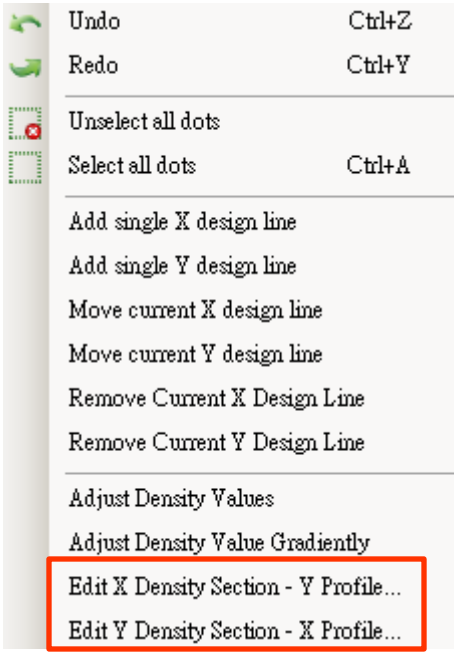
Active Dot	
Density	**0.277041**
Density(old)	1
Grayscale	**184**
Grayscale(old)	0
X (0-1)	0.666667
X (mm)	24
Y (0-1)	0.526316
Y (mm)	23.158

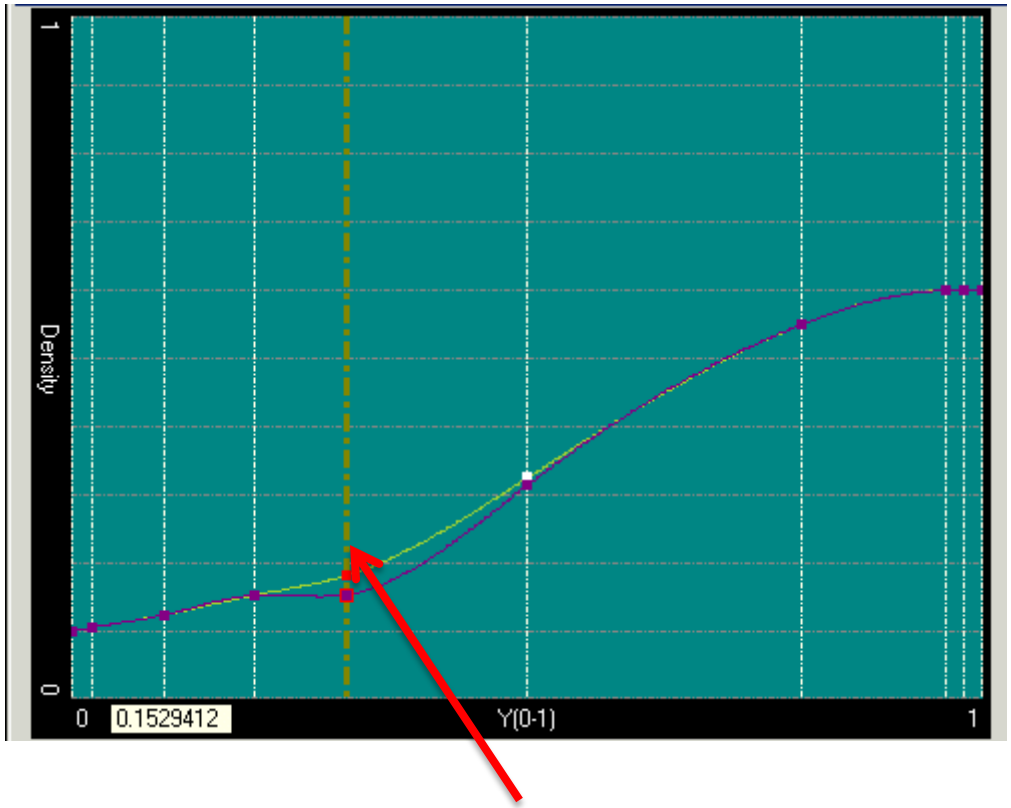
The luminance data is copy from internet and this case is just for reference not real data.

Febees! SOFTWARE

Check profile

•Select Edit Profile to keep each line density profile smooth





Press and move mouse or use arrow key to adjust

Febees! SOFTWARE