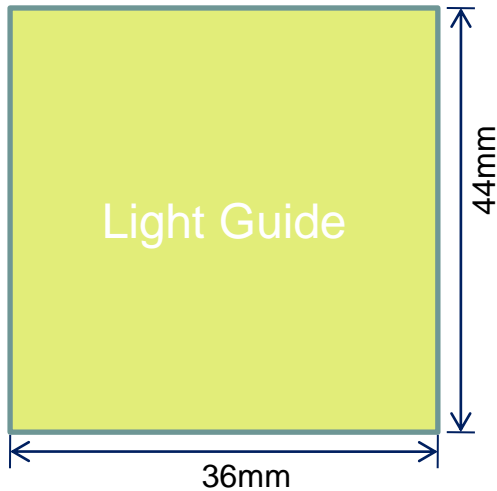
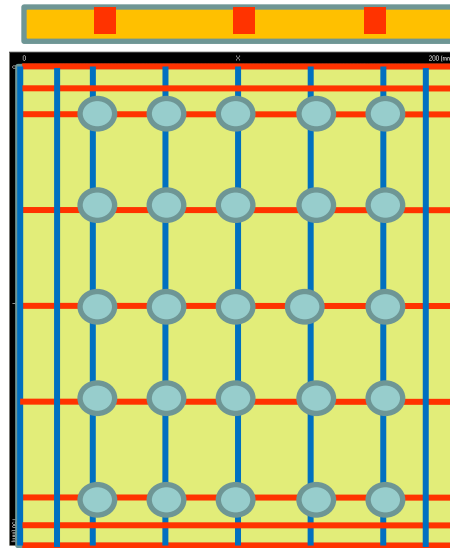


Example -3LEDS

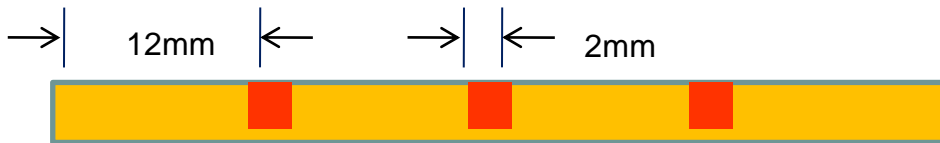
Materials:



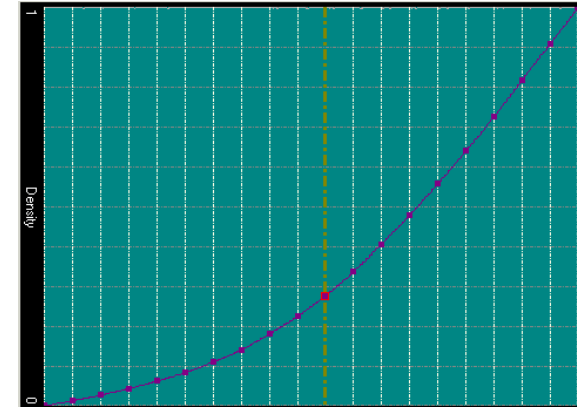
LGM dimension



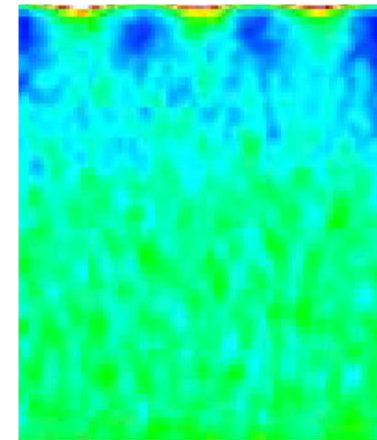
Measurement site and design lines



LED location

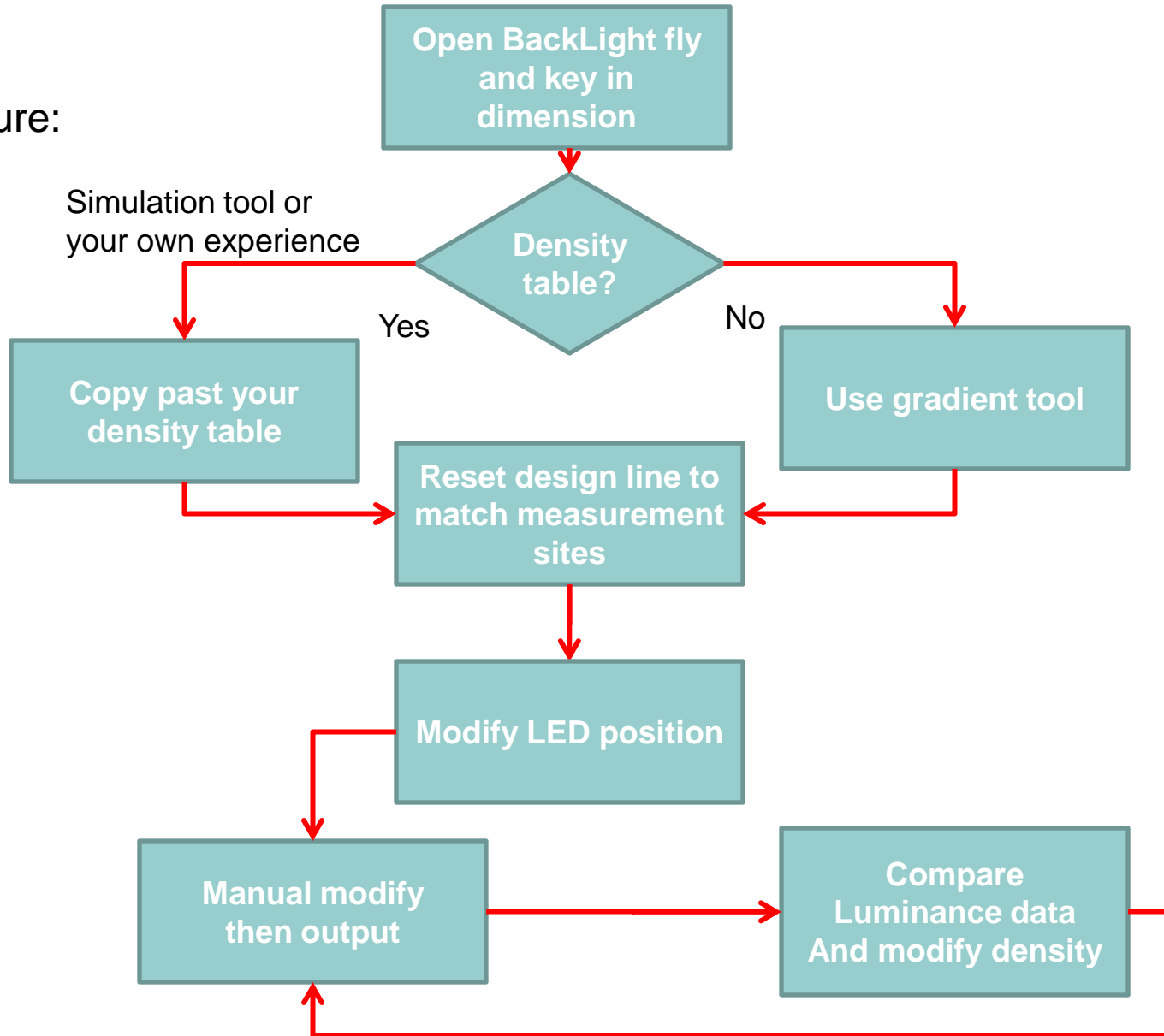


Typical density profile

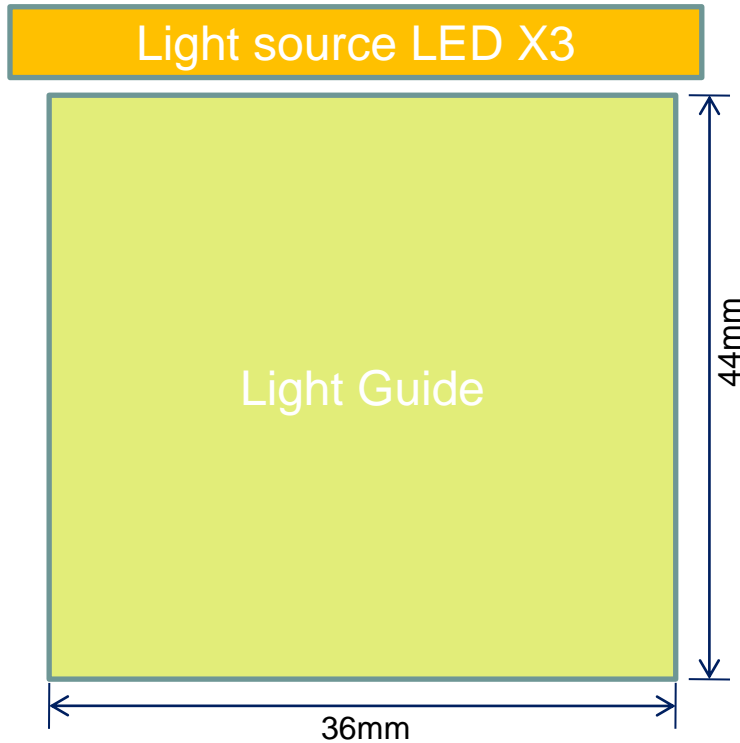


Luminance result

Procedure:



Open BackLight
fly and key in
dimension

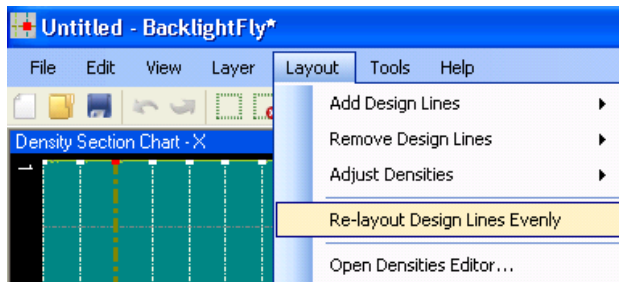


Open new project and key in
X,Y dimension

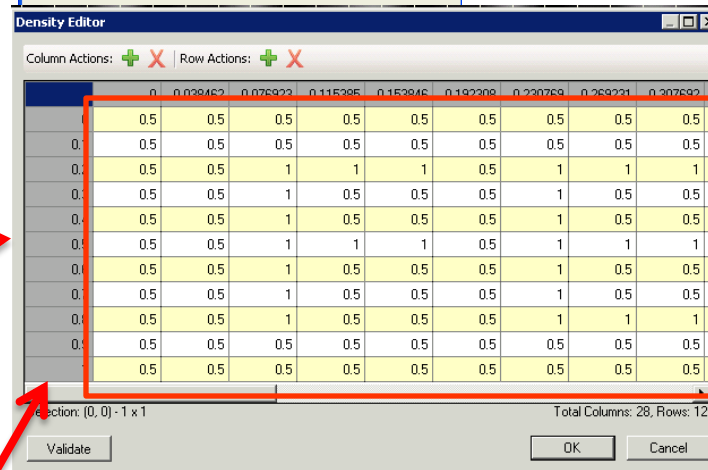
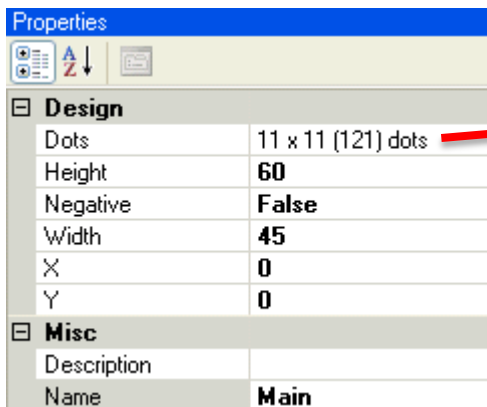
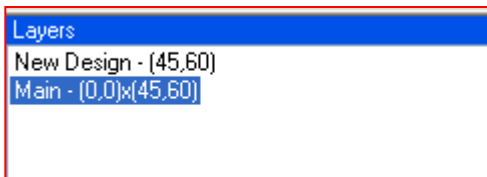
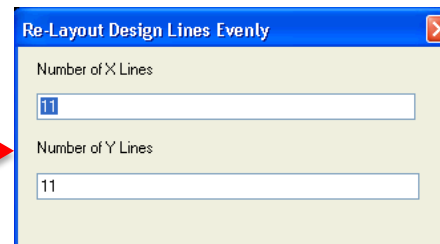
New Design [X]

Name	<input type="text" value="3 LED"/>
Description(optional)	<input type="text"/>
General	
Width	<input type="text" value="36"/> mm
Height	<input type="text" value="44"/> mm

Copy past your density table



Modify Dots x,y

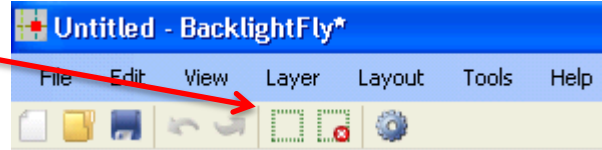


Copy data here

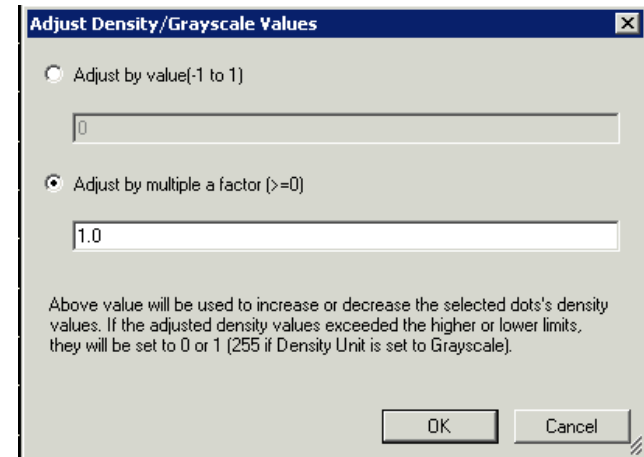
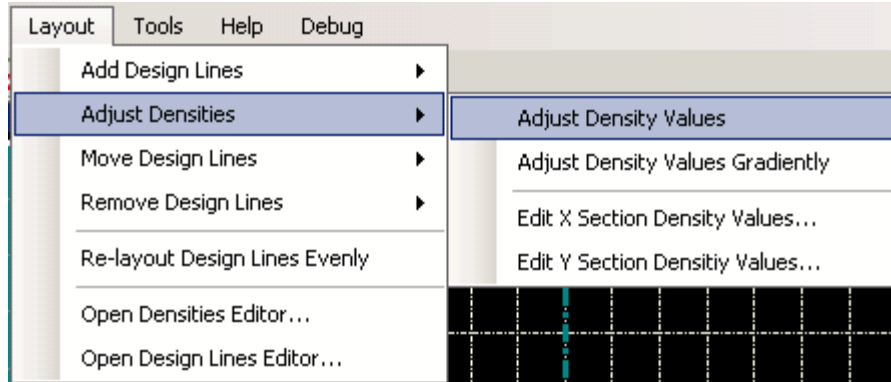
Use gradient tool

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

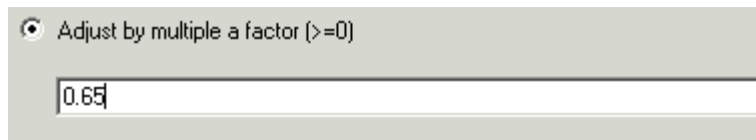
•Select all dots



•Choose adjust density/Adjust Density Value



•Select Adjust by multiple factor to max density

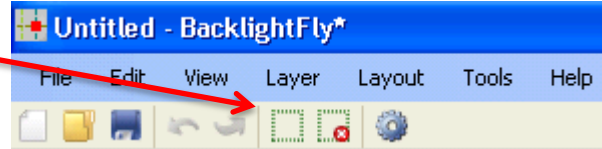


System default=1, so $1 * 0.65 = 0.65$

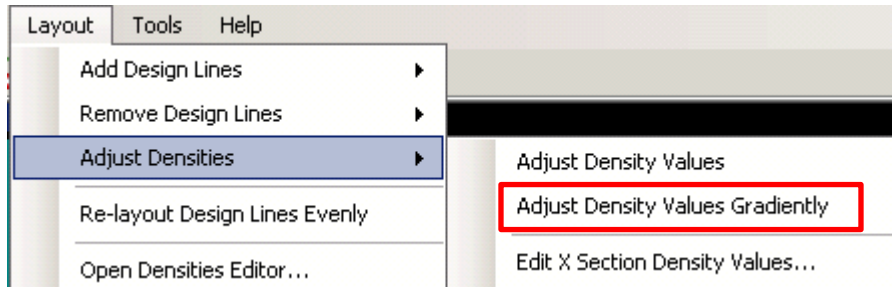
Use gradient tool

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

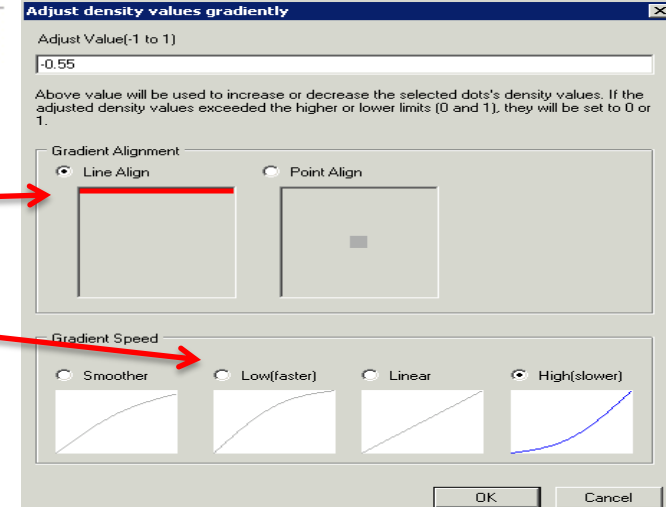
- Select all dots



- Choose adjust density/Adjust Density Value Gradiently



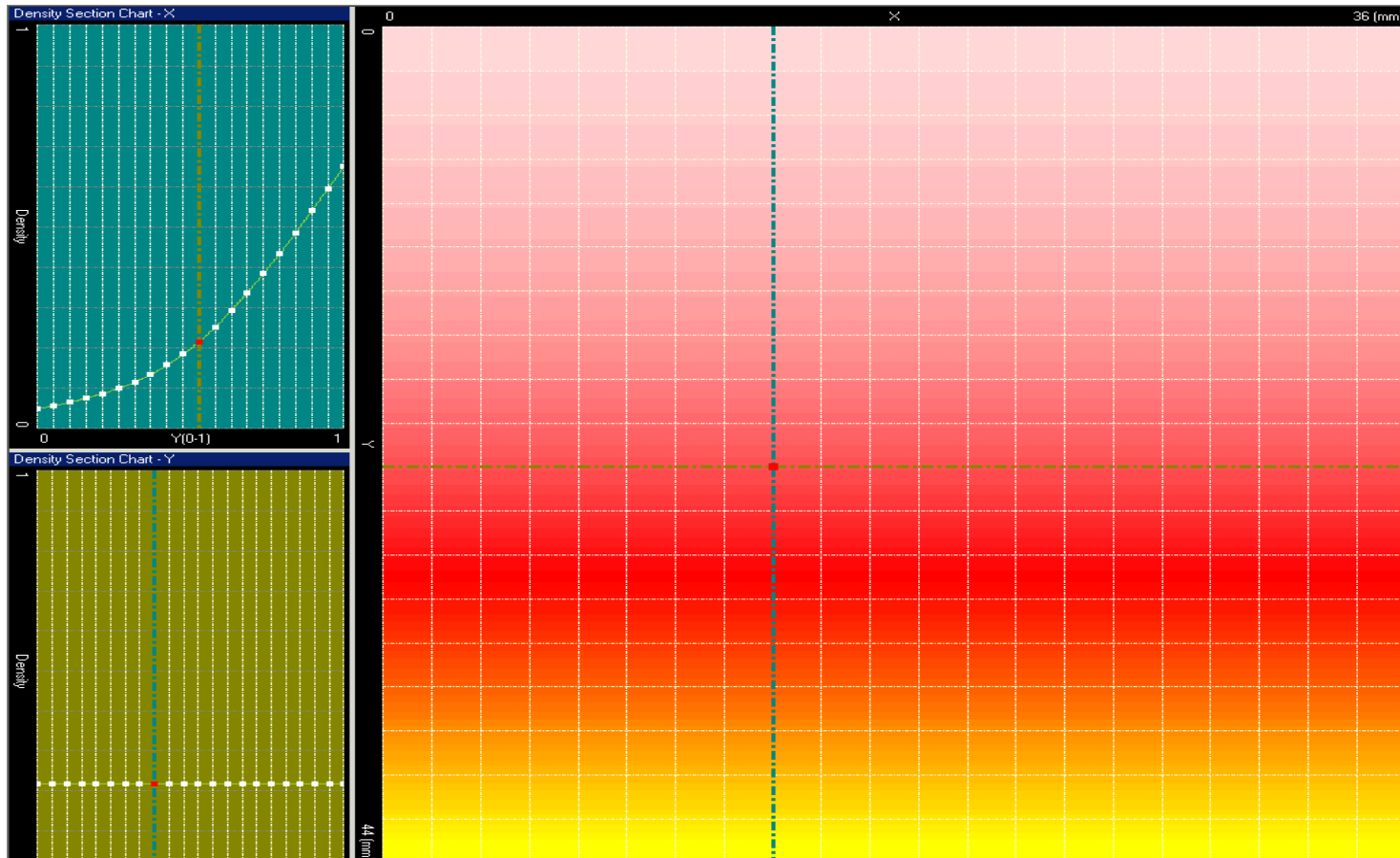
- Type -0.6 in adjust value
- Choose line align from top
- Select proper gradient speed



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

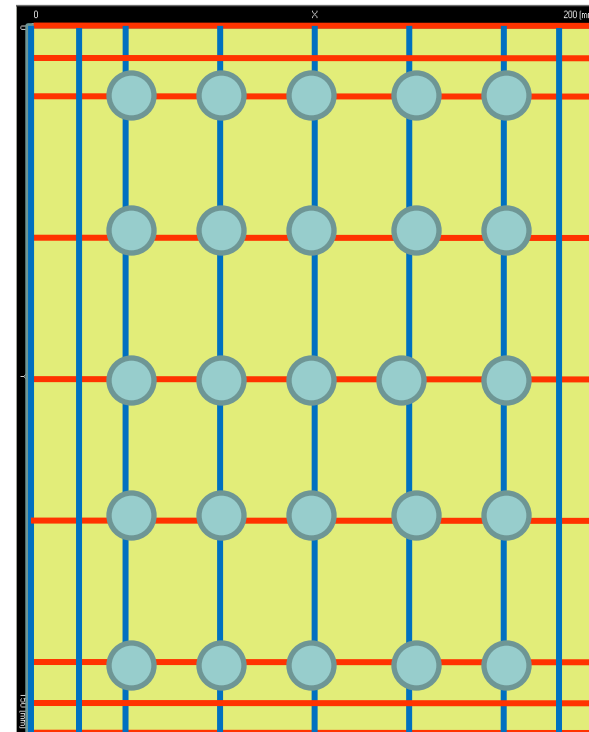
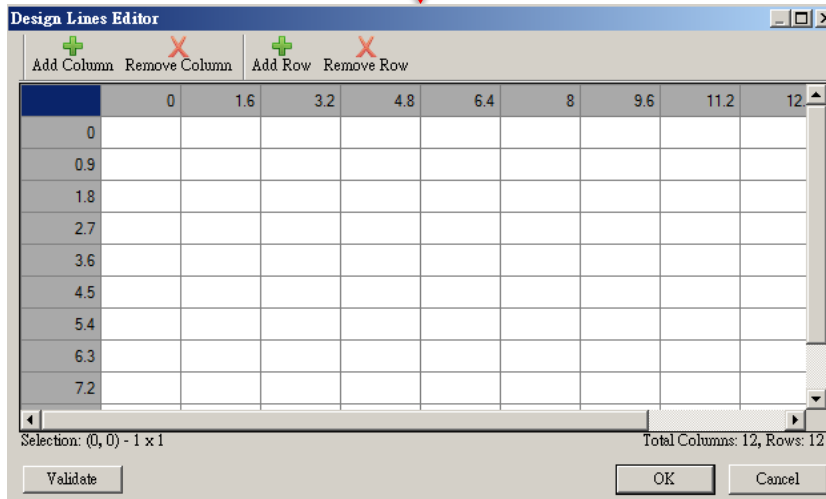
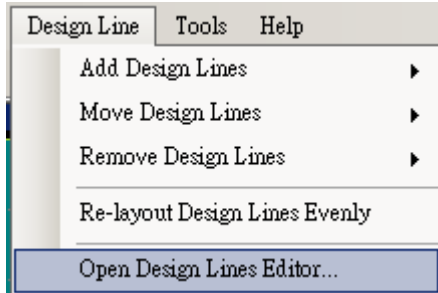
Use gradient tool

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

Layers

- New Design - (200,200)
- Background - (0,0)x(200,200)
- top - (0,0)x(200,200)
- button - (0,0)x(200,200)

Properties

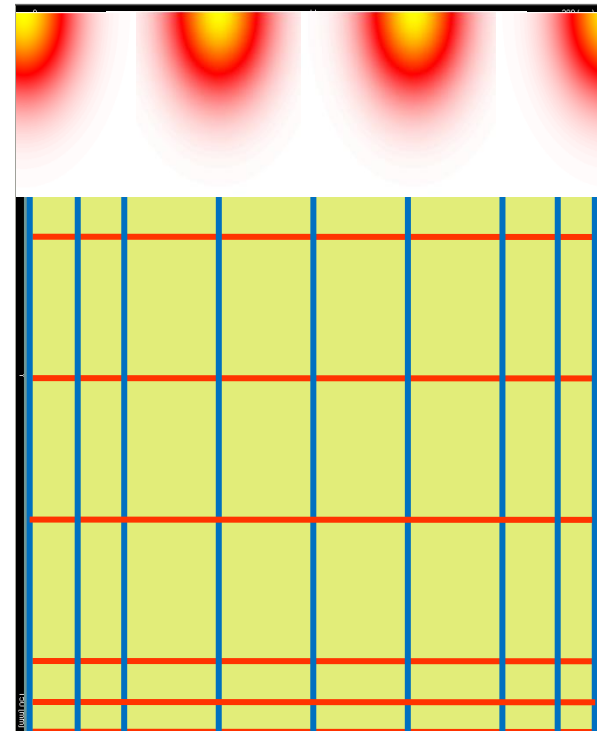
Layout

Height	200
Width	200

Mask

Masks - Block	0 mask(s) applied
Masks - Image	0 mask(s) applied
Masks - Include/E	0 mask(s) applied
Masks - Text	0 mask(s) applied
Process block mas	True
Process include m	True

Select new design



Block

Mask function - Block

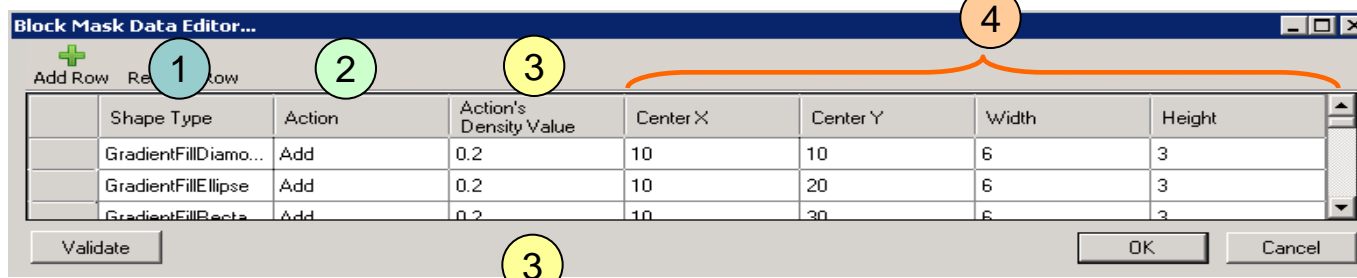
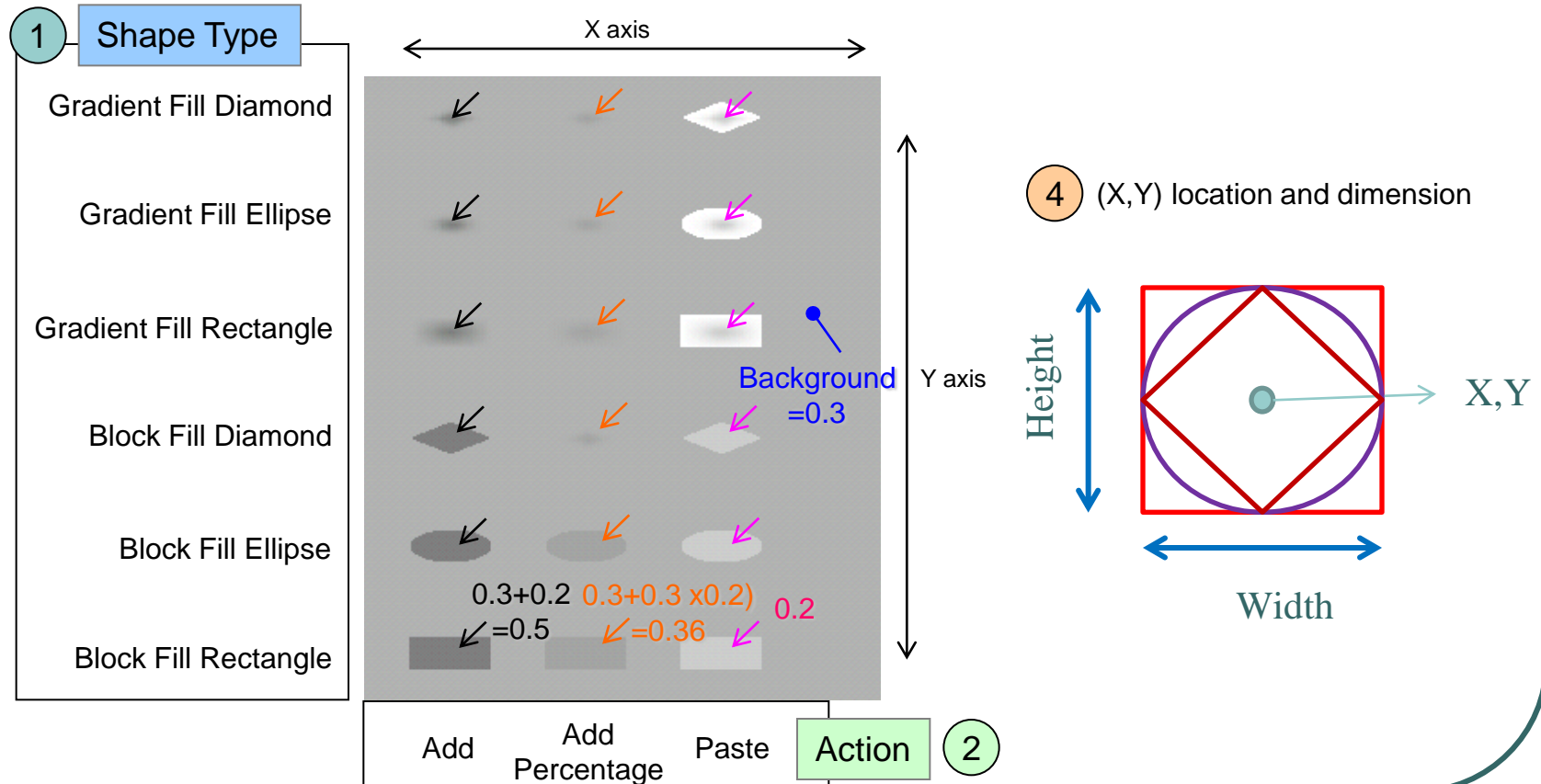
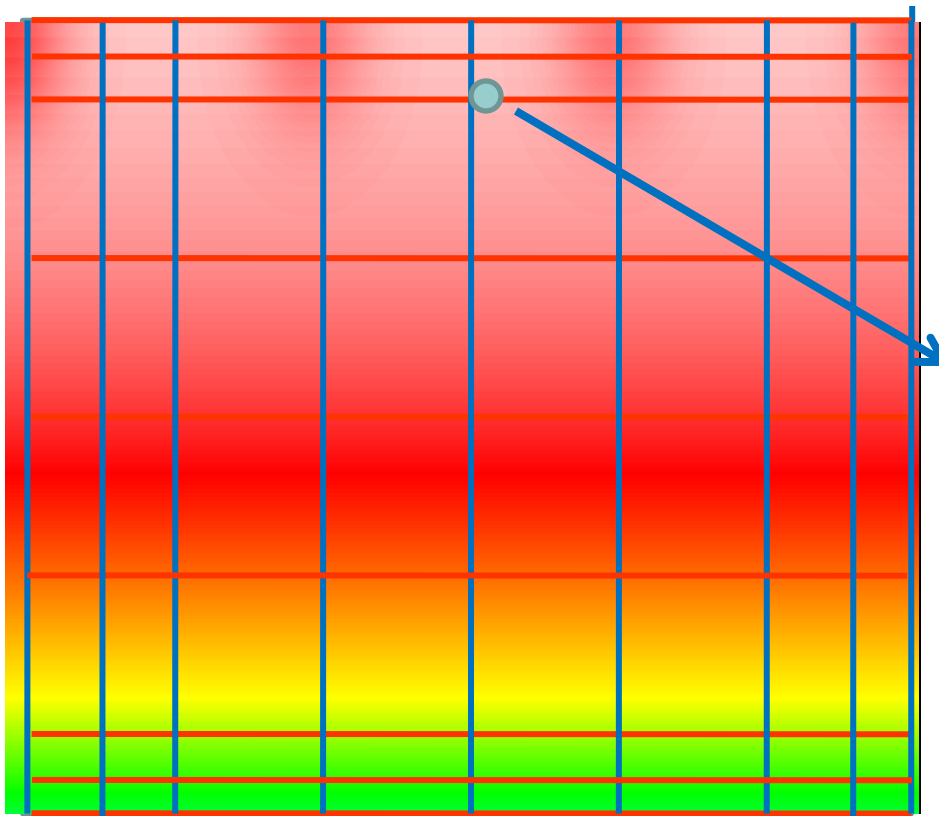






Fig. The result of applying **Action's density value= 0.2** to a density table with all dots' density are 0.3



Manual modify then output





- Click cross of design lines click mouse right button

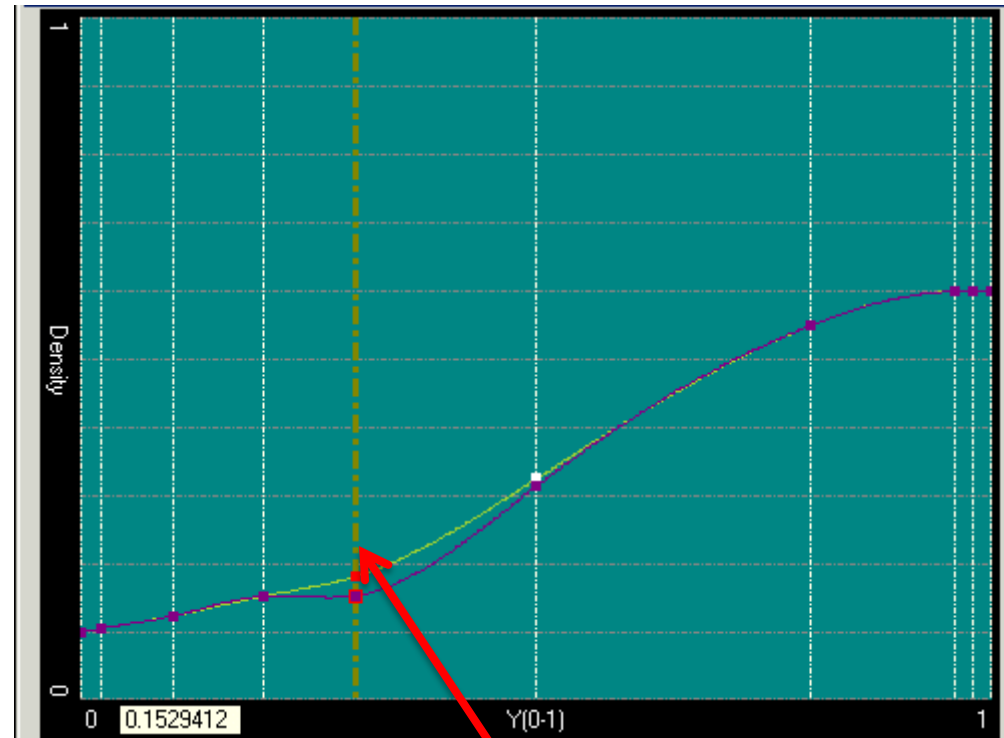


	Undo	Ctrl+Z
	Redo	Ctrl+Y
<hr/>		
	Unselect all dots	
	Select all dots	Ctrl+A
<hr/>		
	Add single X design line	
	Add single Y design line	
	Move current X design line	
	Move current Y design line	
	Remove Current X Design Line	
	Remove Current Y Design Line	
<hr/>		
	Adjust Density Values	
	Adjust Density Value Gradiently	
	Edit X Density Section - Y Profile...	
	Edit Y Density Section - X Profile...	

Check profile

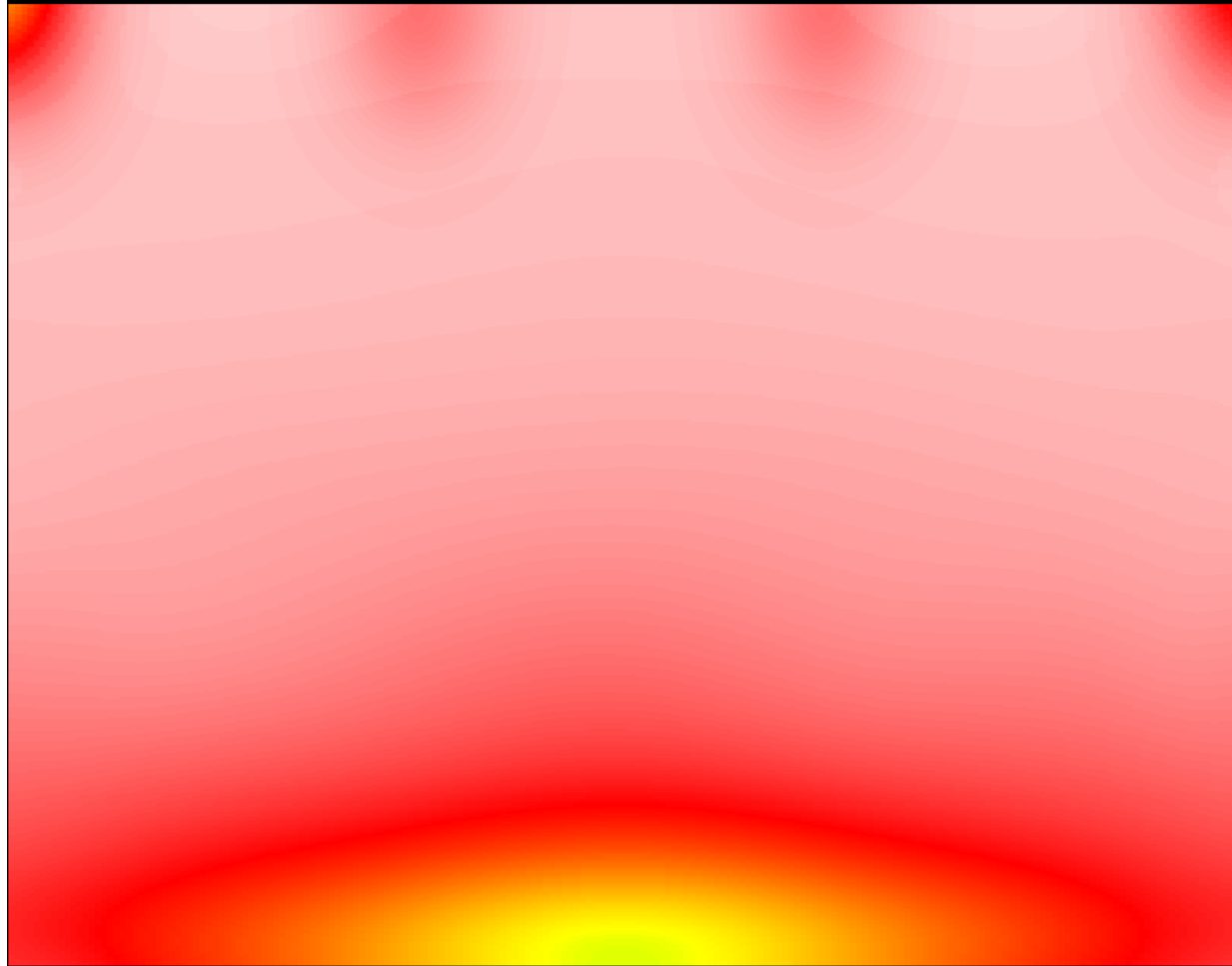
- Select Edit Profile to keep each line density profile smooth

	Undo	Ctrl+Z
	Redo	Ctrl+Y
<hr/>		
	Unselect all dots	
	Select all dots	Ctrl+A
<hr/>		
	Add single X design line	
	Add single Y design line	
	Move current X design line	
	Move current Y design line	
	Remove Current X Design Line	
	Remove Current Y Design Line	
<hr/>		
	Adjust Density Values	
	Adjust Density Value Gradiently	
	Edit X Density Section - Y Profile...	
	Edit Y Density Section - X Profile...	



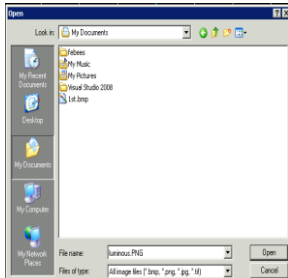
Press and move mouse or use
arrow key to adjust

- Final Design



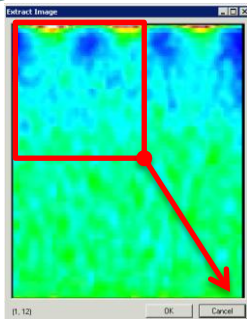
Compare Luminance data and add design line in hot spot position

1



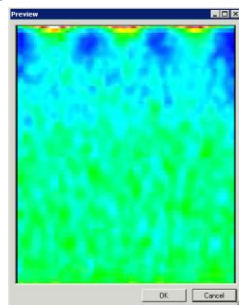
Select Luminous image

2

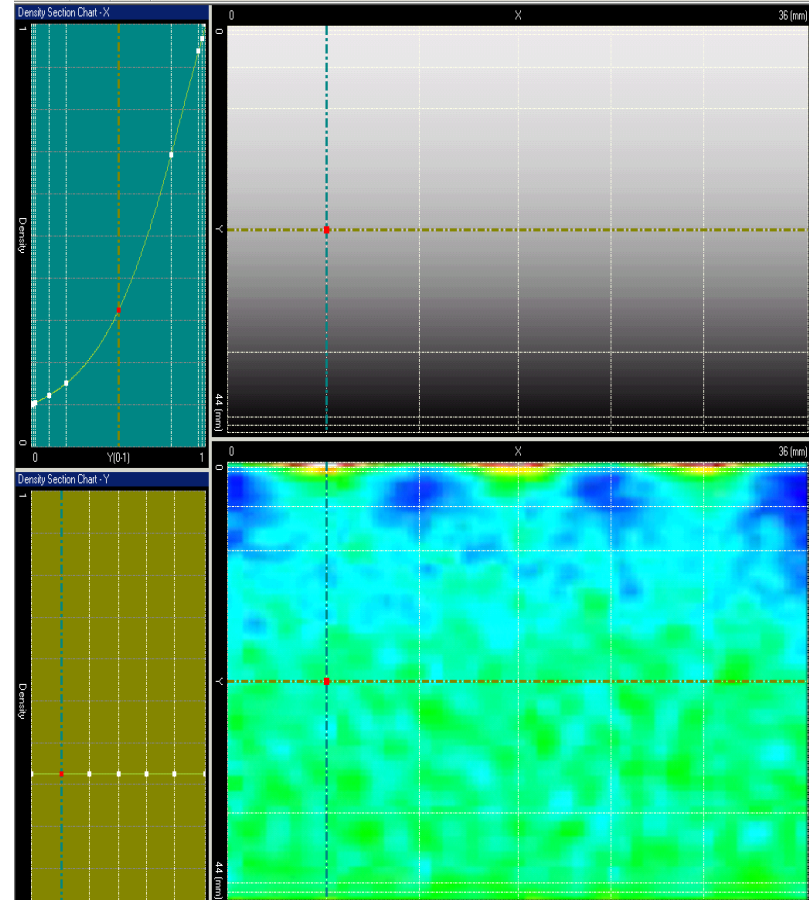


Hold mouse to select active area

3



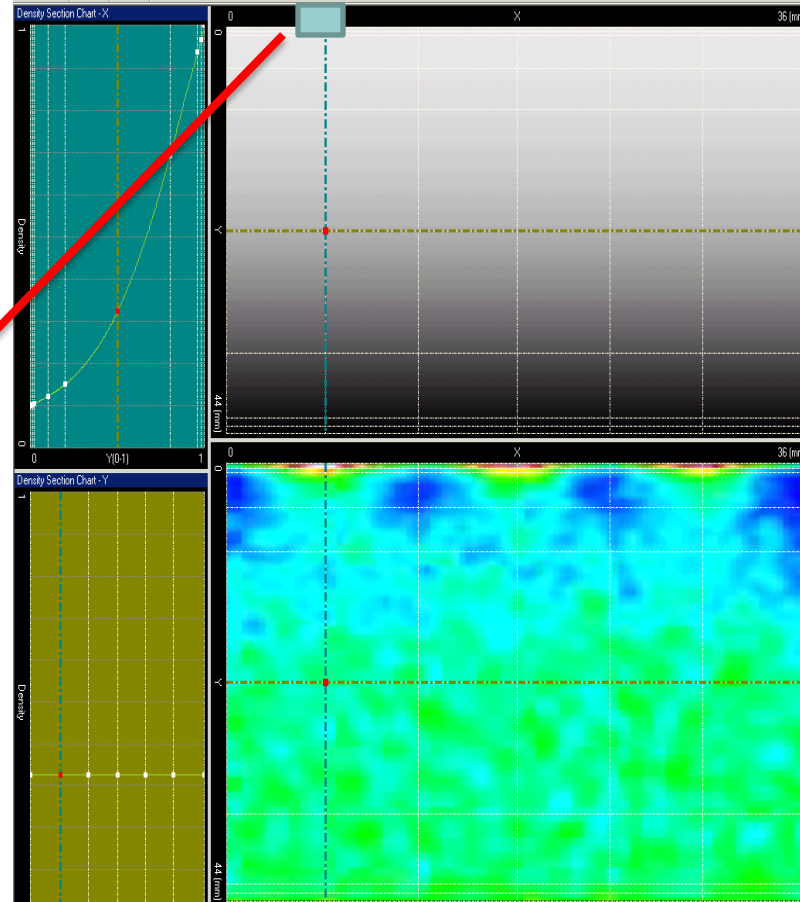
Click OK



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

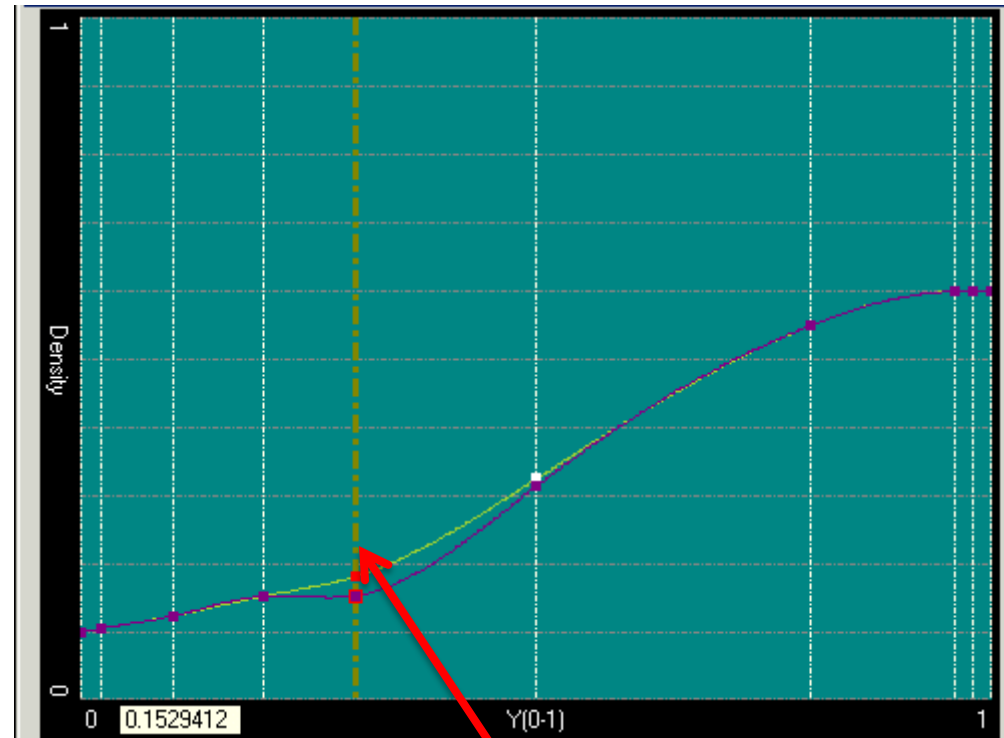


The luminance data is copy from internet and this case is just for reference not real data.

Check profile

- Select Edit Profile to keep each line density profile smooth

	Undo	Ctrl+Z
	Redo	Ctrl+Y
<hr/>		
	Unselect all dots	
	Select all dots	Ctrl+A
<hr/>		
	Add single X design line	
	Add single Y design line	
	Move current X design line	
	Move current Y design line	
	Remove Current X Design Line	
	Remove Current Y Design Line	
<hr/>		
	Adjust Density Values	
	Adjust Density Value Gradiently	
	Edit X Density Section - Y Profile...	
	Edit Y Density Section - X Profile...	



Press and move mouse or use
arrow key to adjust