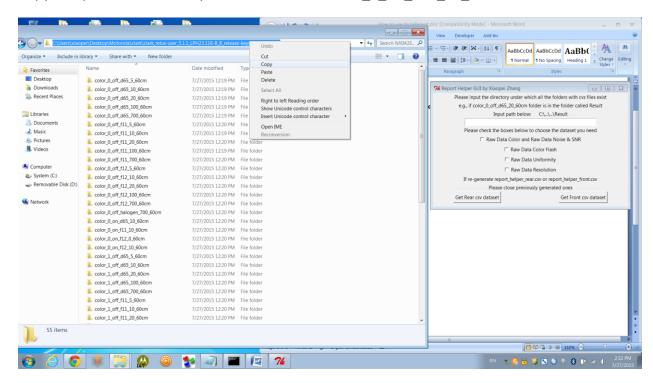
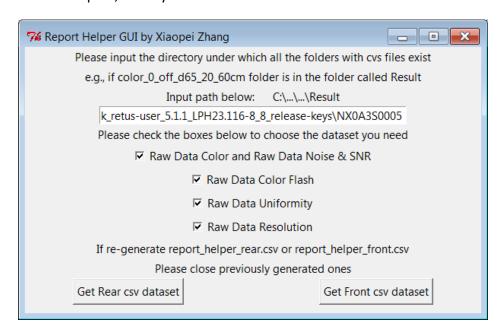
How to use formReport.exe by Xiaopei Zhang:

1. Copy and paste the directory where folders like color_0_off_d65_20_60cm exist



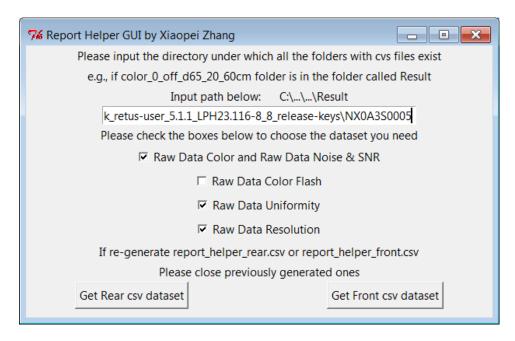
2. Choose datasets you need

For rear report, usually choose:



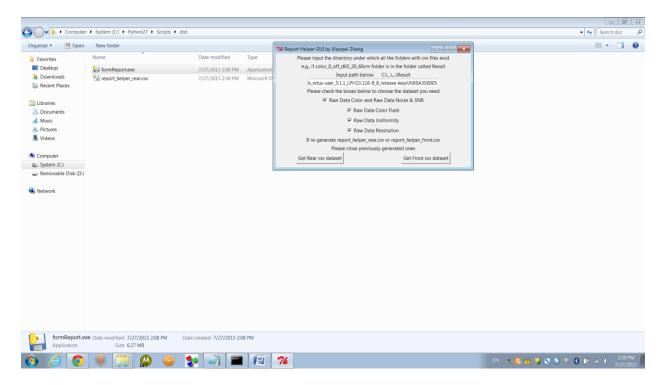
For front report, usually choose:

If front flash data are also needed, choose Raw Data Color Flash as well

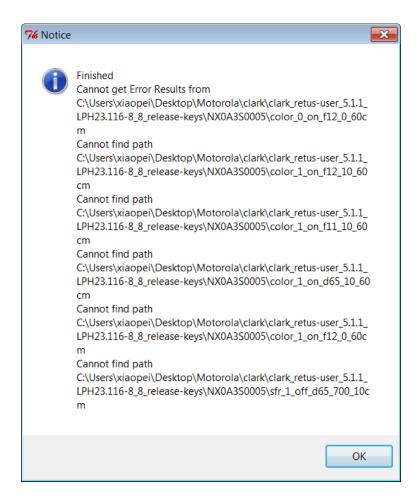


3. If you want rear data, click Get Rear csv dataset; If you want front data, click Get Front csv dataset

You will get 'report_helper_rear.csv' (or 'report_helper_front.csv') in the folder where your 'formReport.exe' file is



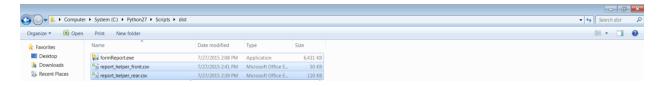
You will also get a message frame



DO NOT PANIC! It is normal. It tells you what folders do not exist or do not contain csv files. YOU STILL HAVE report_helper_rear.csv AND report_helper_front.csv

For example, the above message box tells us that the rear flash-on Olux pictures were not processed, the front flash-on folders do not exist and the front 10cm sfr does not exist.

4. Check whether the csv files exist



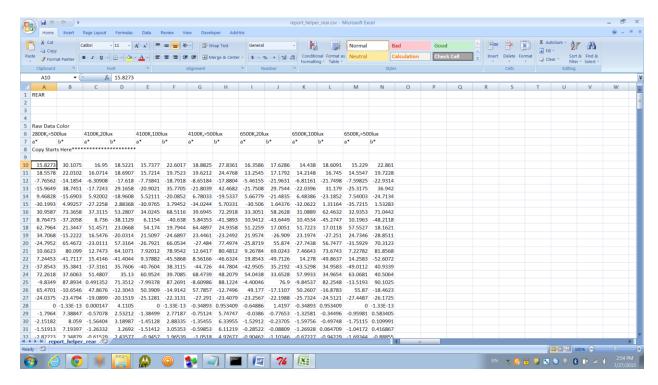
5. Open csv files, copy from it and paste each sheet in the excel template we use

YOU HAVE TO USE Ctrl + Shift + Down + Right to choose data for the respective sheet in the excel and paste there. ONE SHEET, ONE COPY and ONE PASTE.

PAY ATTENTION to 'Copy Starts******' and 'Copy Ends*******

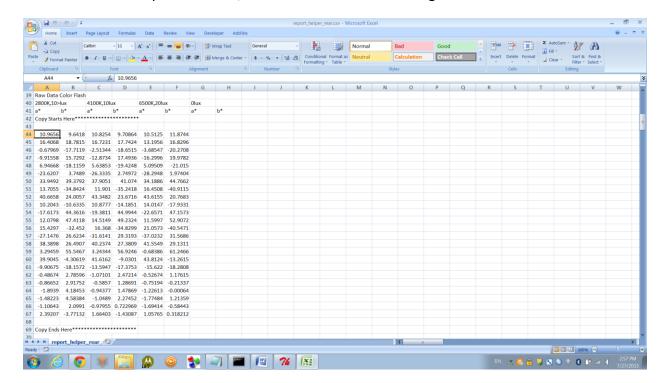
Raw Data Color

Start from the cell I picked below, then Ctrl + Shift + Down + Right



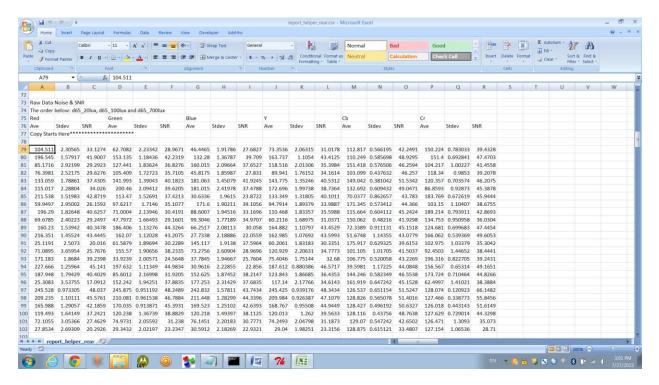
Raw Data Color Flash (As you can see below, it means there is no csv files for Olux.)

Start from the cell I picked below, then Ctrl + Shift + Down + Right



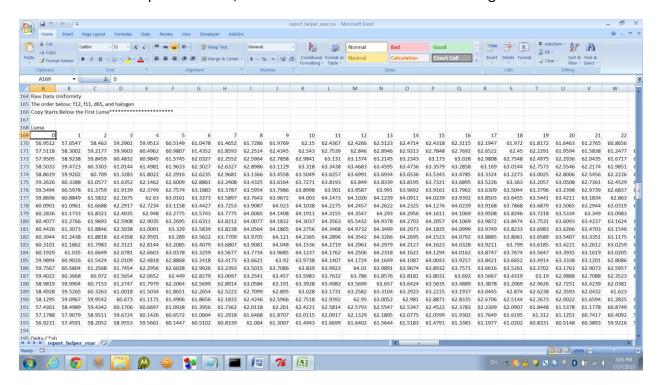
Raw Data Noise & SNR

Start from the cell I picked below, then Ctrl + Shift + Down*5 times + Right



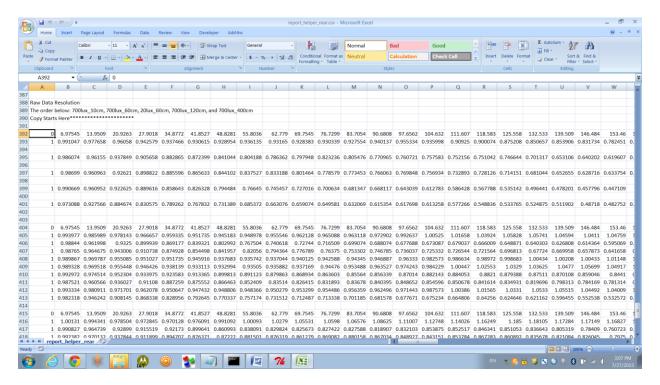
Raw Data Uniformity

Start from the cell I picked below, then Ctrl + Shift + Down*15 times + Right



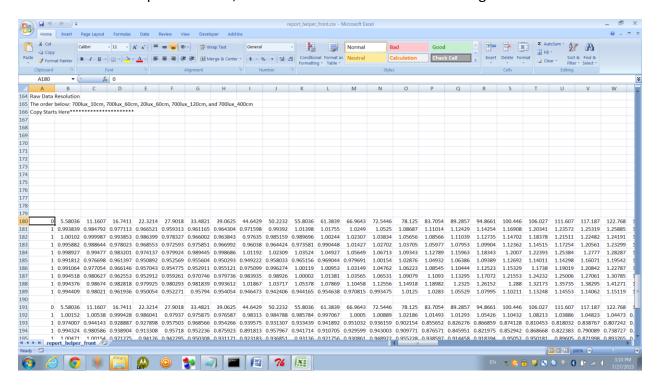
Raw Data Resolution

Start from the cell I picked below, then Ctrl + Shift + Down*13 times + Right



If there is no 10cm data

Start from the cell I picked below, then Ctrl + Shift + Down*7 times + Right



6. Then you are done with the data part. Remember to fill Cover Page.

7. NOTICE

Message box will accumulate warning messages. If you would like to regenerate csv files and do not want to see former warning messages, please restart formReport.exe.

For Manual IQ, please use the folders in the 'manual iq.zip' in my Google drive.

A trick for manual IQ using rail automation: you can connect lab pc with another phone that can be run by automation, and position the phone you actually care on the holder. As the automation is running the phone you does not care, you can manually follow the speed of the rail and the light boxes and manually take pictures. Since the pictures will be in the Camera folder in the order of, you do not have to rename. After IQ is done, paste pictures in their respective folders in my 'manual-iq' folder.

See the picture below for setting up. Secure the 'fake' phone down, and position the 'actual' phone right.

