# **Purdue University, West Lafayette**

Spring 2022 ECE 63700 – Digital Image Processing I

**Lab-6** Submission Date- 03/11/2022

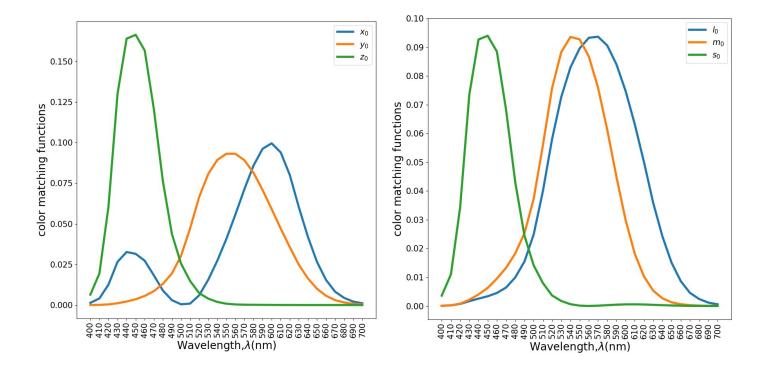
**Submitted by** 

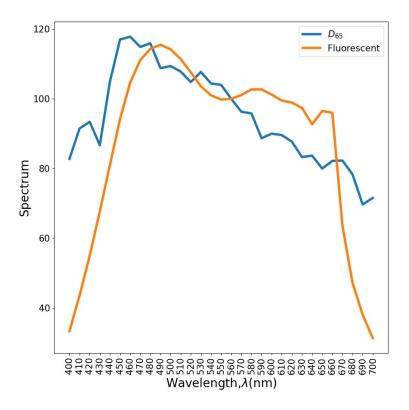
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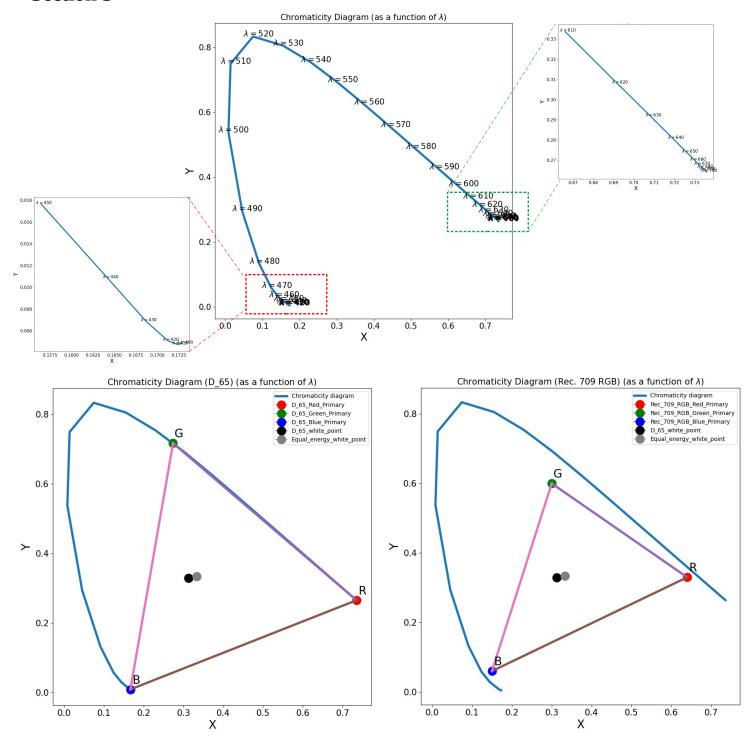


## **Section 2**





## **Section 3**



#### **Section 4**

1. $M_{709\_D65} =$	[0.4123908	0.35758434	0.18048079
	0.21263901	0.71516868	0.07219232
	0.01933082	0.11919478	0.95053215]

2.

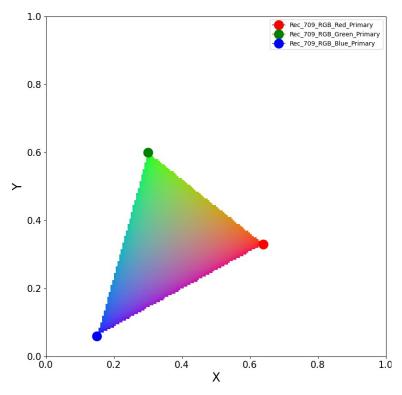


Gamma Corrected with



3. It seems the fluorescent light source effected image cannot show the white pixels as effectively as  $D_{65}$  illuminant image. It's obvious from the spectrum of the two illuminants.

#### **Section 5**



NB: The code for this lab can be found in the following github repository:

Link: https://github.com/NahianHasan/ECE63700-Digital\_Image\_Processing/tree/main/
Lab\_6\_Introduction\_to\_Colorimetry