


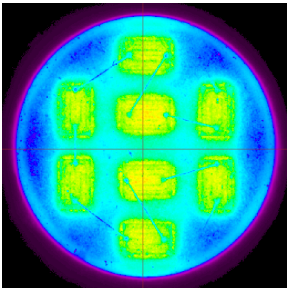
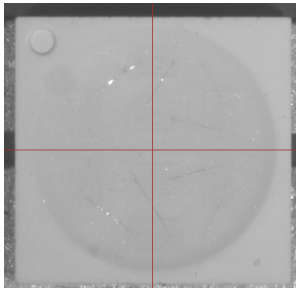
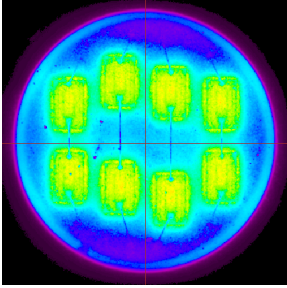
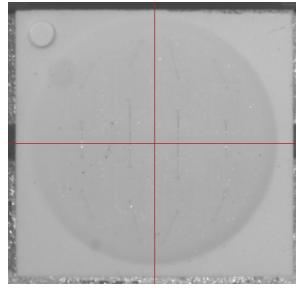
# LUXEON 5050 Optical Rayset (Round & Square LES)

Sep 17, 2021




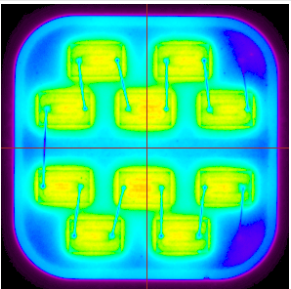
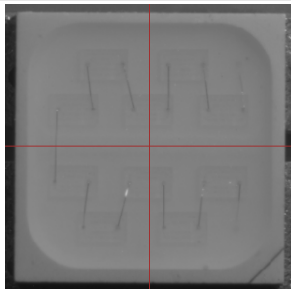
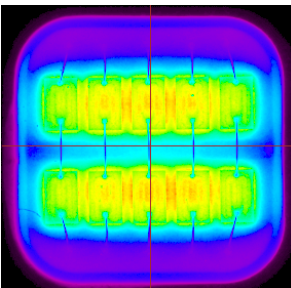
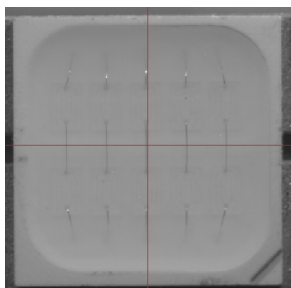
# Introduction

- Below is the near field light distribution images of LUXEON 5050 Round LES 24V and 6V.
- For special beam shaping optics (e.g. asymmetric beam pattern), both the LED package orientation and the near field light distribution should be considered in the optics assembly, design and/or optical simulation.
- Please download the respective optical rayset.

	Near field light distribution	Corresponding LED package orientation 
LUXEON 5050 Round LES 24V		
LUXEON 5050 Round LES 6V		

## Introduction (continue)


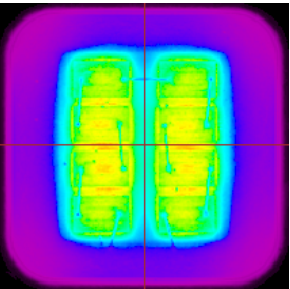
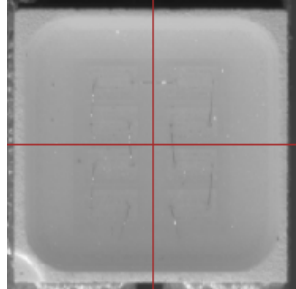
- Near field light distribution images of LUXEON 5050 Square 6V and 30V.

	Near field light distribution	Corresponding LED package orientation 
LUXEON 5050 Square LES 30V		
LUXEON 5050 Square LES 6V		



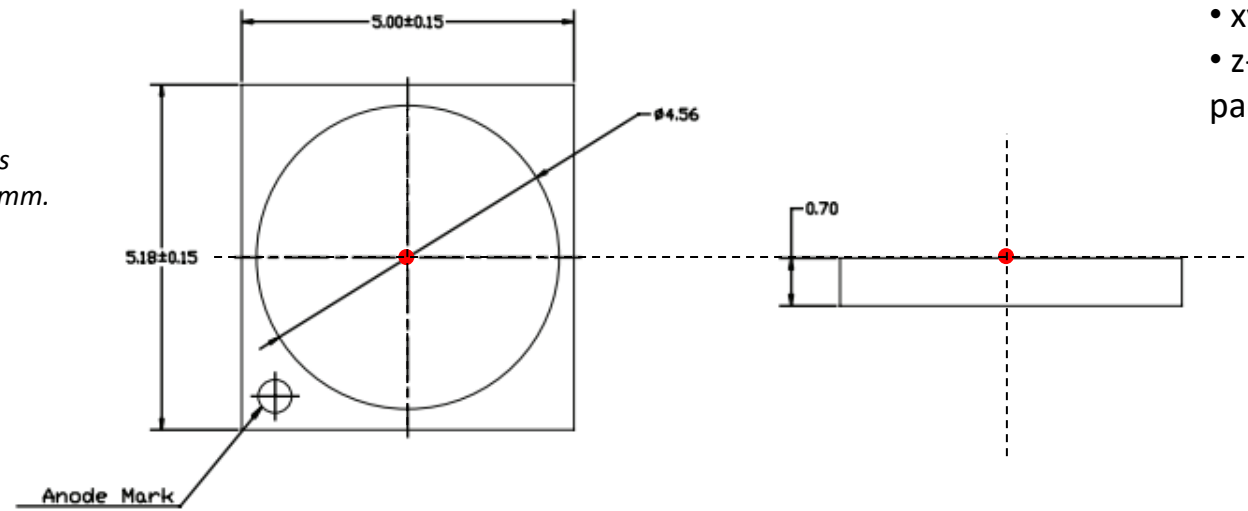
## Introduction (continue)

- Near field light distribution image of LUXEON 5050 HE. Note 24V and 6V variants have the same die layout.

	Near field light distribution	Corresponding LED package orientation 
LUXEON 5050 HE (6V and 24V)		

## Reference Point – LUXEON 5050 Round LES 24V

*Note: Dimensions (nominal) are in mm.*



- xy centered on package
- z-axis referenced to top of package as shown here

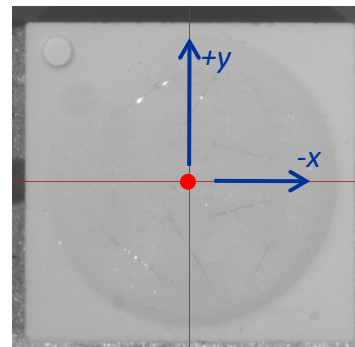


Photo 1 – top view

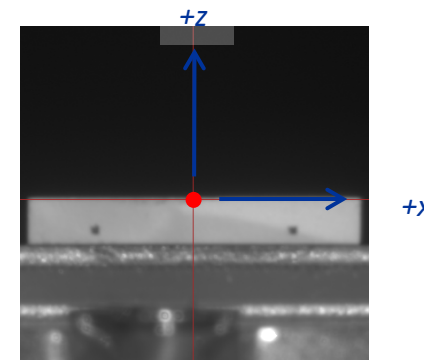
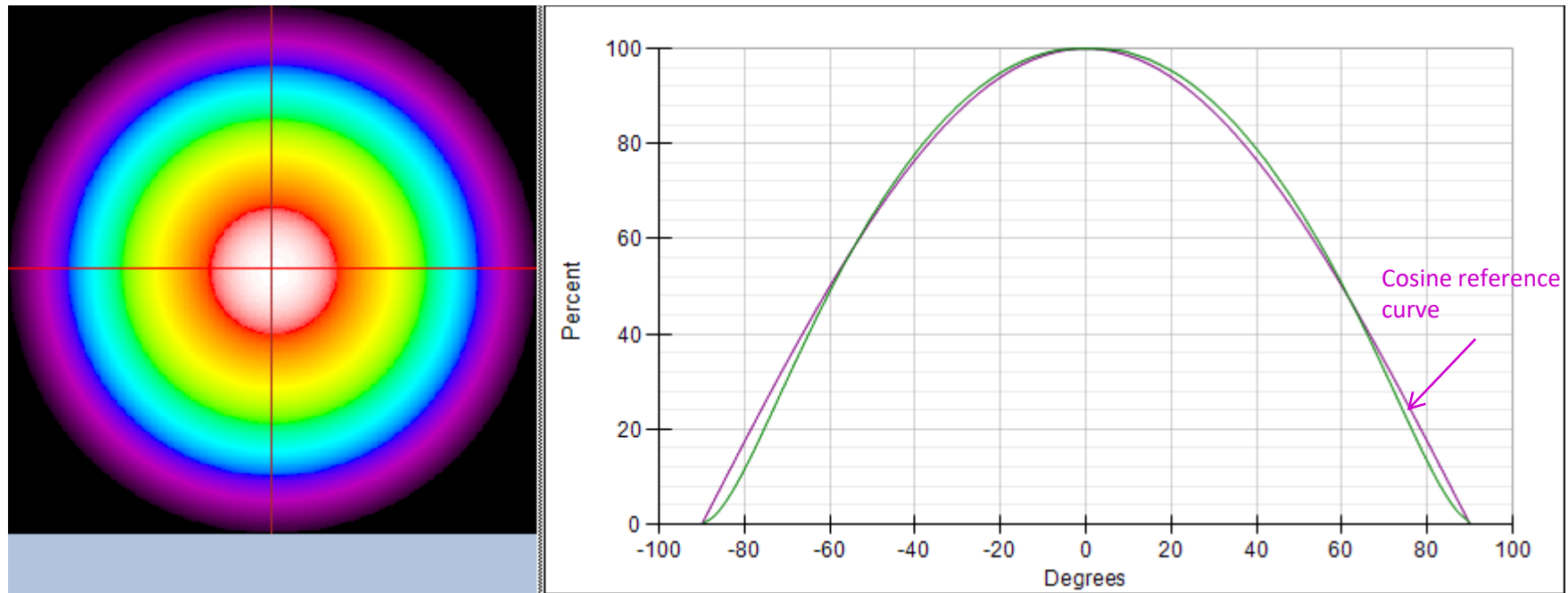


Photo 2 – side view

## Radiation Pattern – LUXEON 5050 Round LES 24V



## Reference Point – LUXEON 5050 Round LES 6V

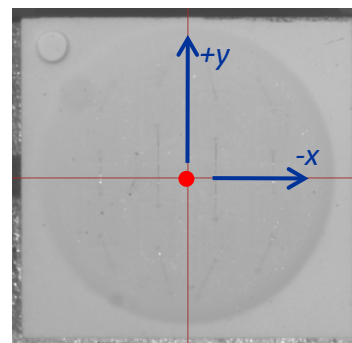
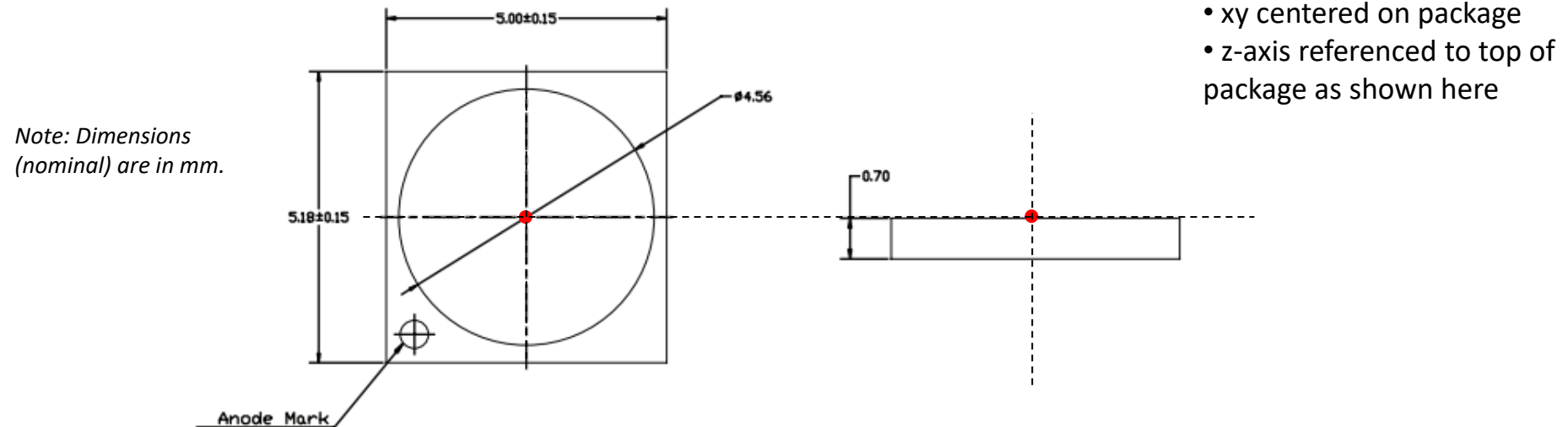


Photo 1 – top view

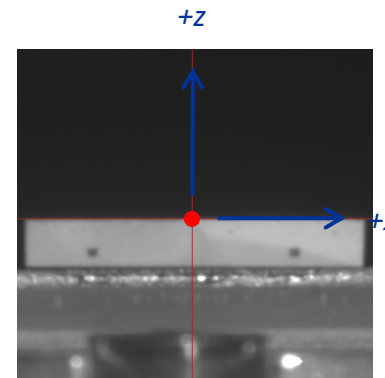
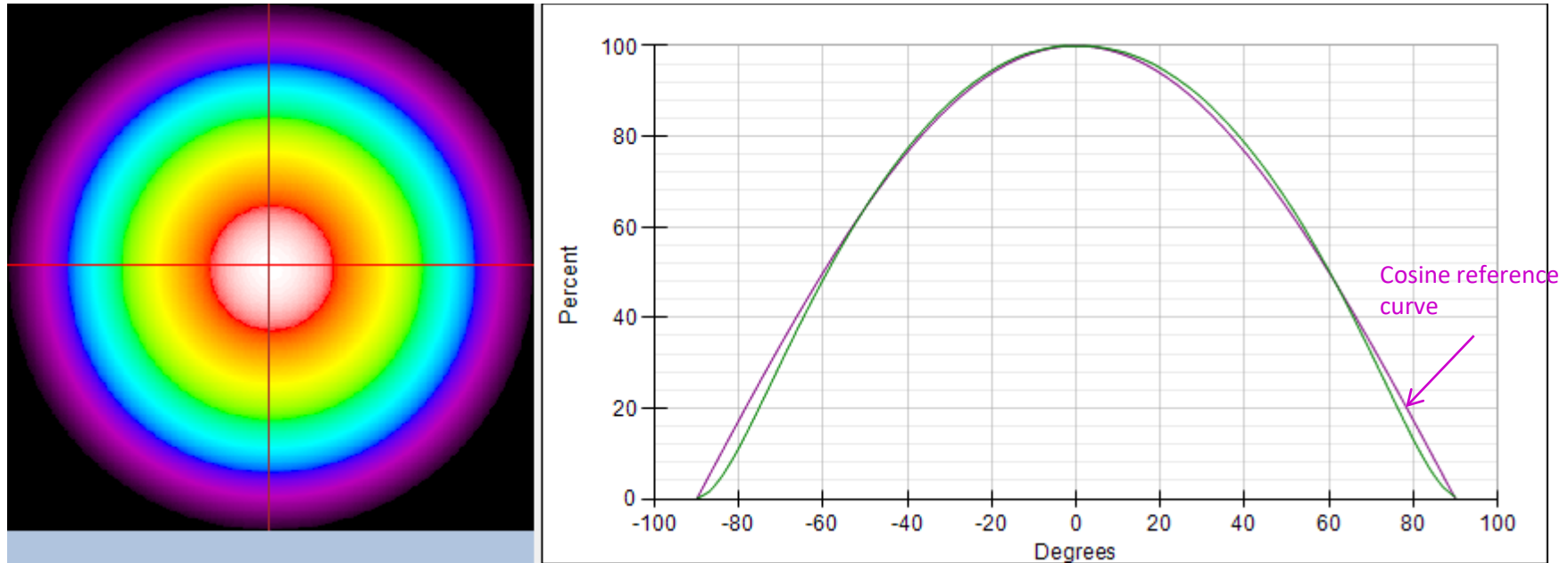


Photo 2 – side view

## Radiation Pattern – LUXEON 5050 Round LES 6V





## Reference Point – LUXEON 5050 Square LES 30V

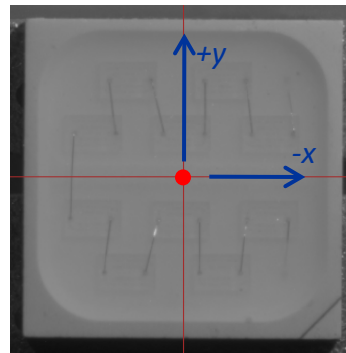
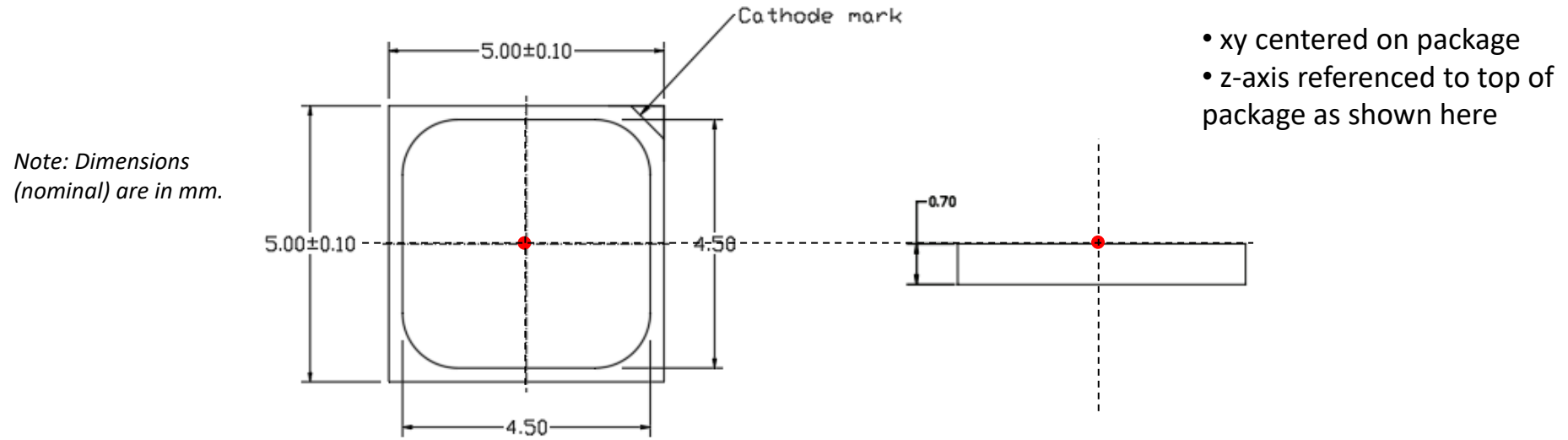


Photo 1 – top view

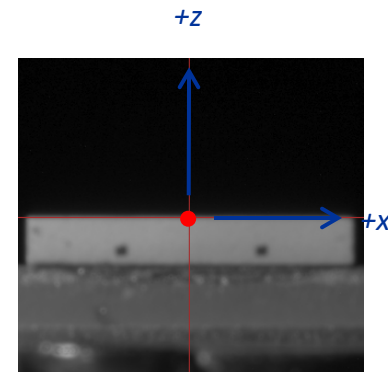
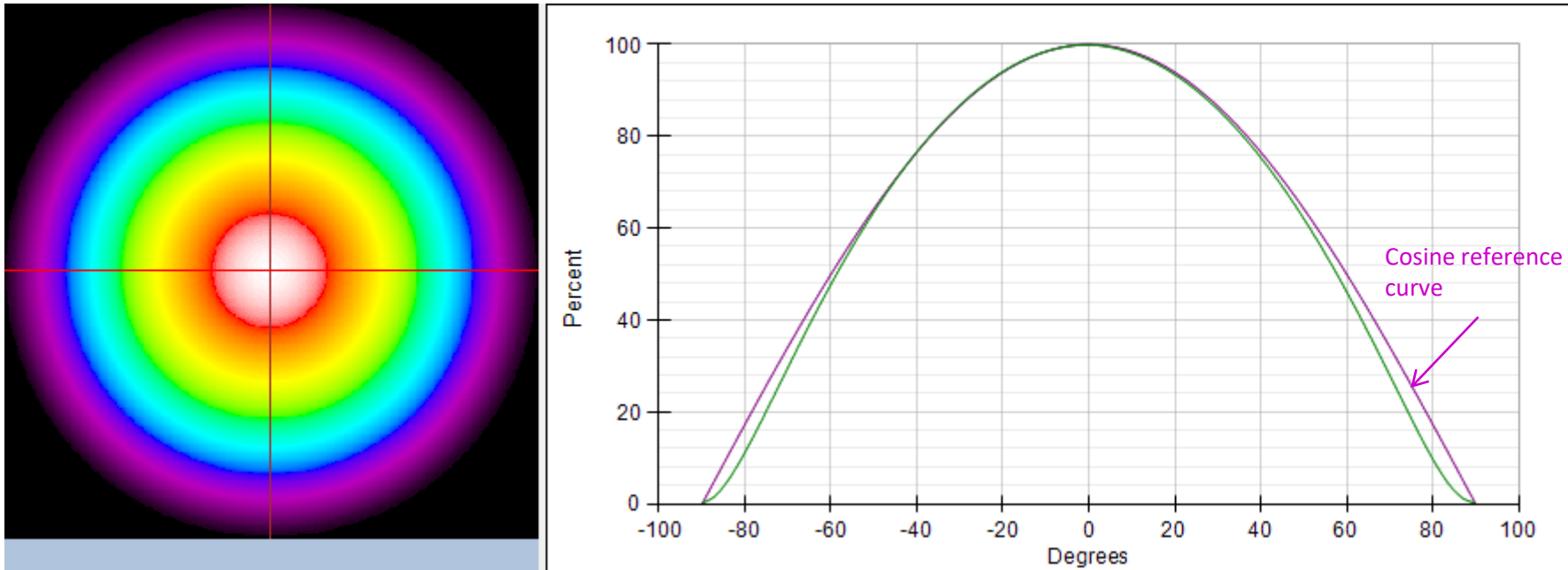


Photo 2 – side view

## Radiation Pattern – LUXEON 5050 Square LES 30V



## Reference Point – LUXEON 5050 Square LES 6V

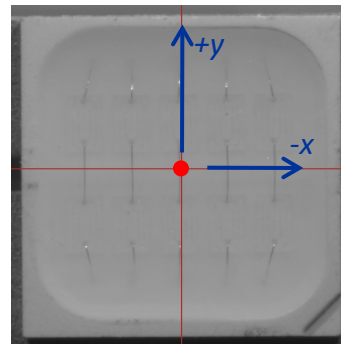
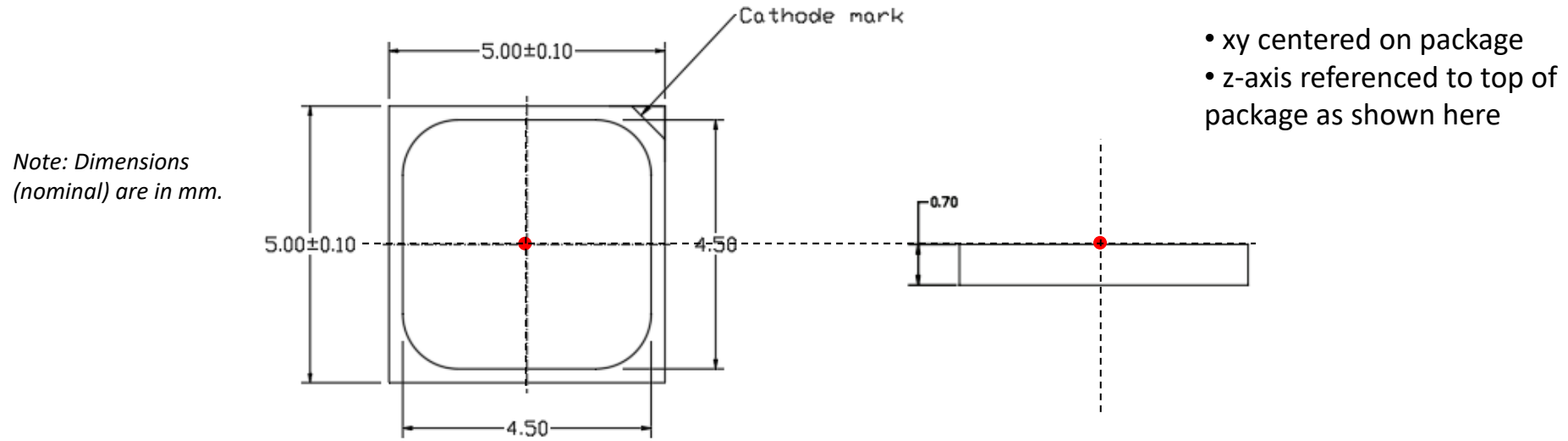


Photo 1 – top view

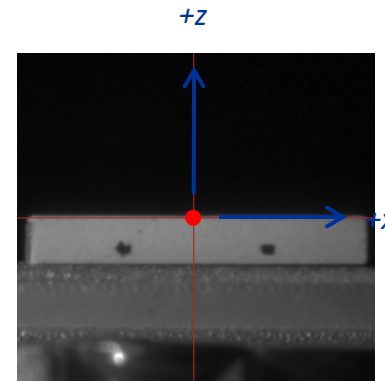
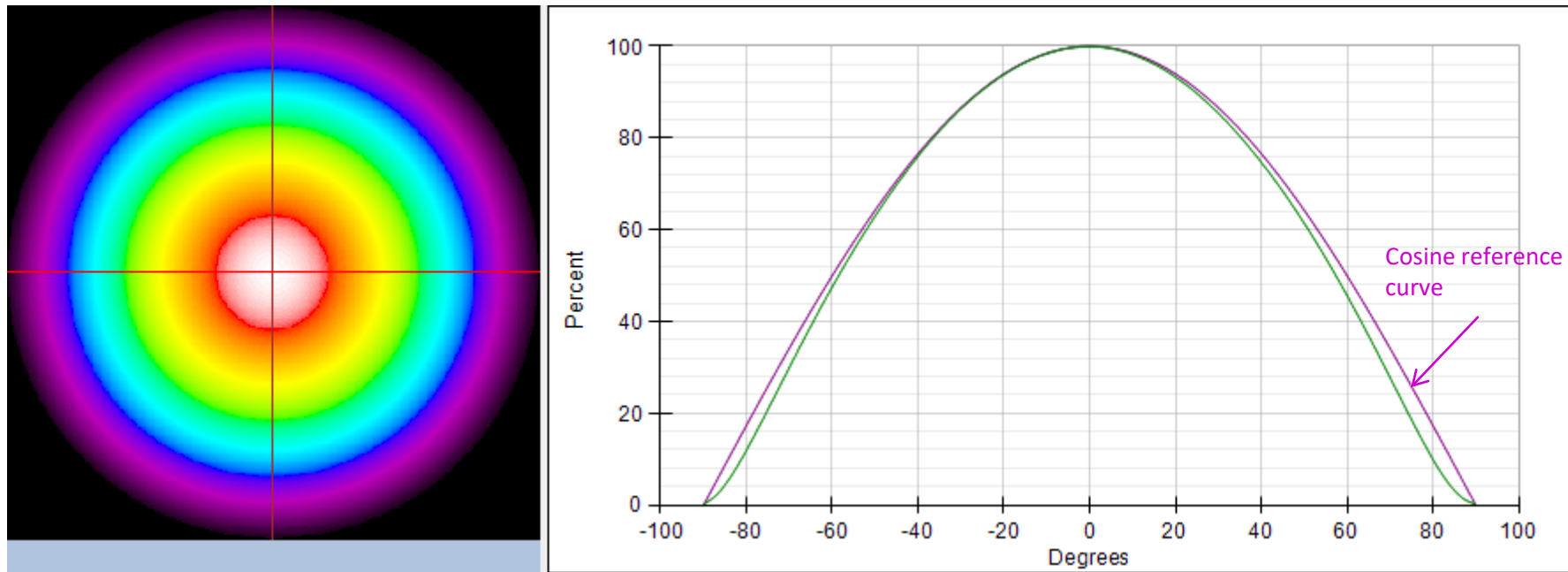


Photo 2 – side view

## Radiation Pattern – LUXEON 5050 Square LES 6V



## Reference Point – LUXEON 5050 HE 6V and 24V

*Note: Dimensions  
(nominal) are in mm.*

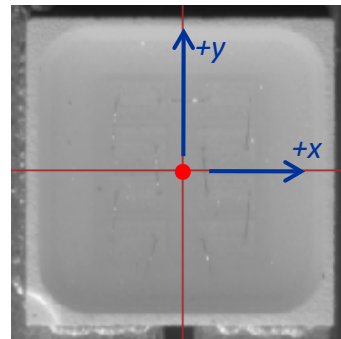
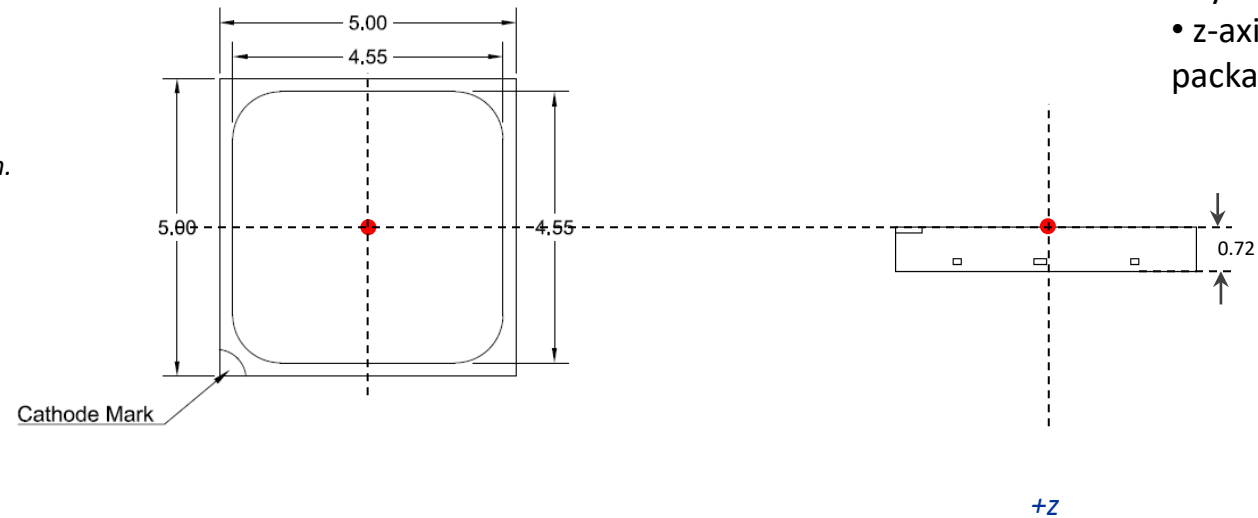


Photo 1 – top view

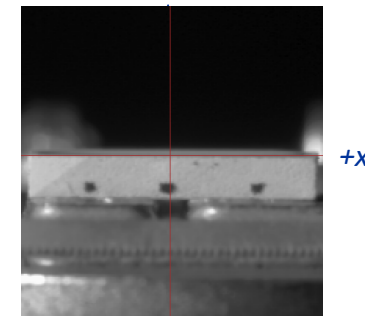
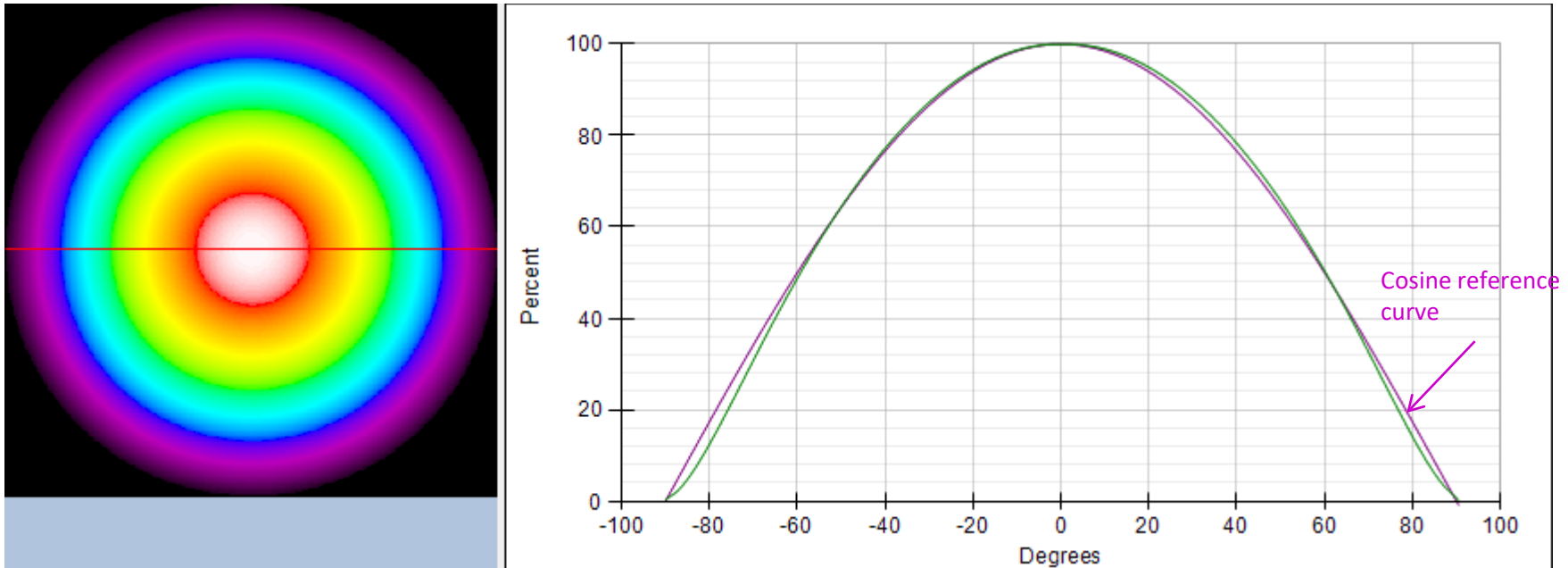


Photo 2 – side view



## Radiation Pattern – LUXEON 5050 HE 6V and 24V





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