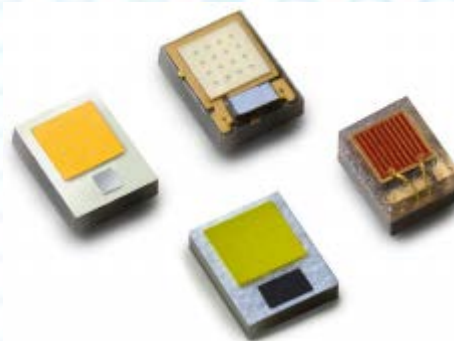


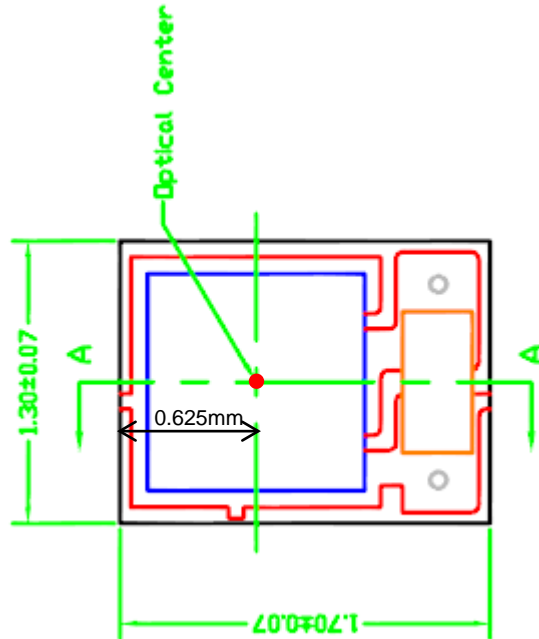
LUXEON Z Color Line Optical Rayset



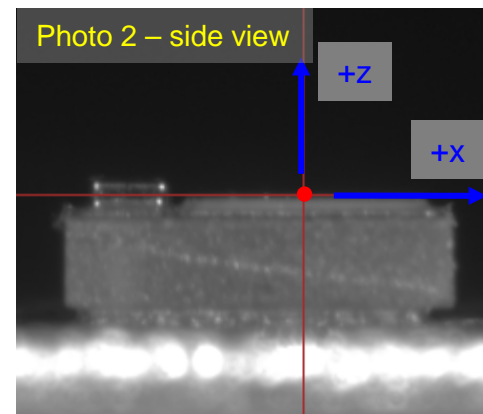
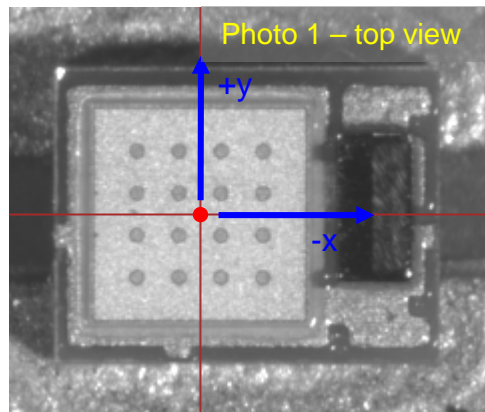
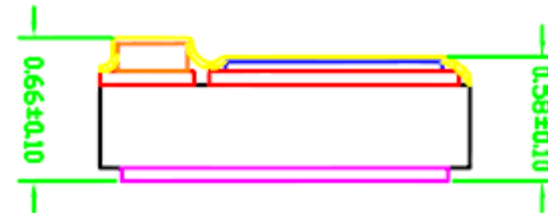
LUXEON Z InGaN Blue, Cyan & Green (BCG)

Location of Reference Point (Blue, Cyan & Green)

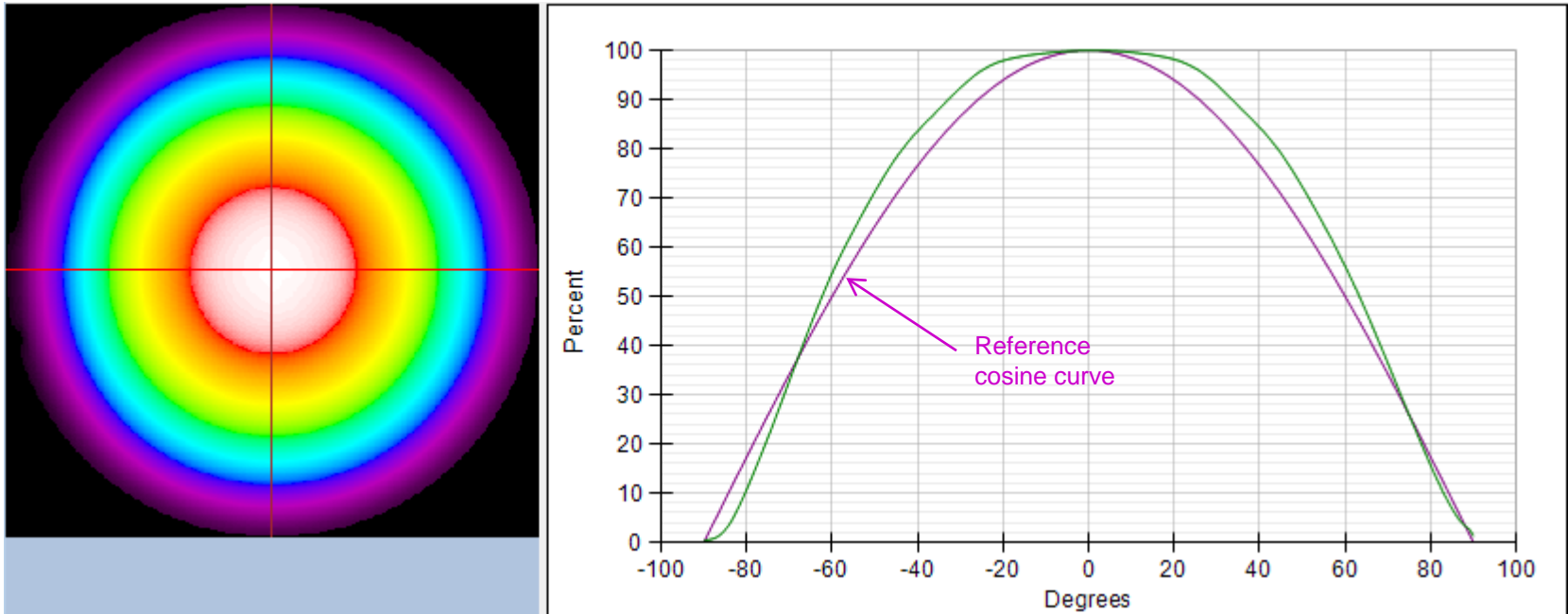
- xy centered on chip as shown
- z-axis referenced above silicone planar surface as shown below



Dimensions in mm



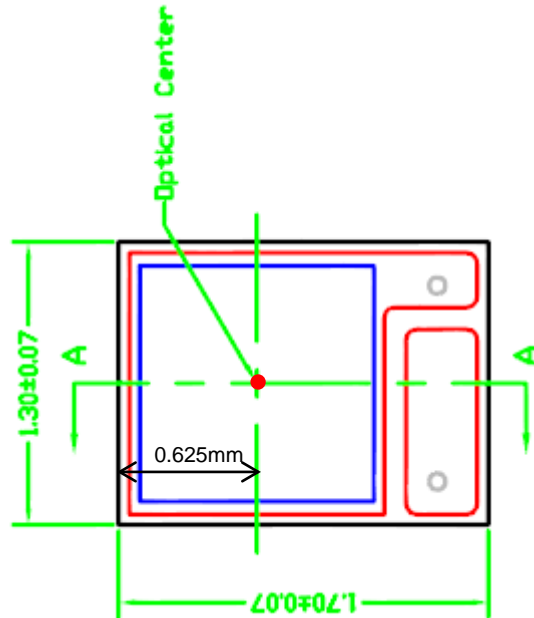
Radiation Pattern – Relative Luminous Intensity versus Angle (Blue, Cyan & Green)



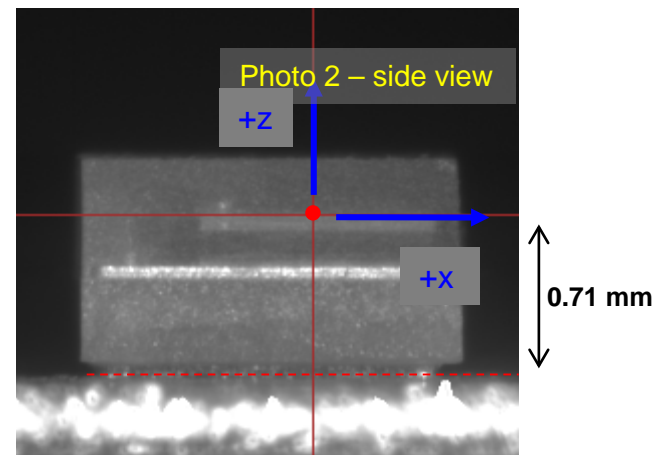
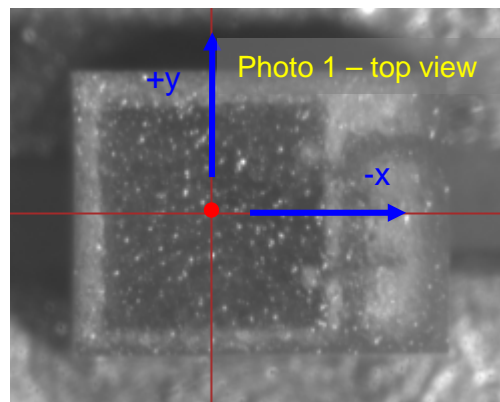
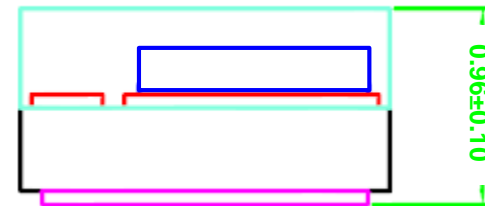
LUXEON Z AlInGaP Red-Orange, Red & Deep Red

Location of Reference Point (Red-Orange, Red & Deep Red)

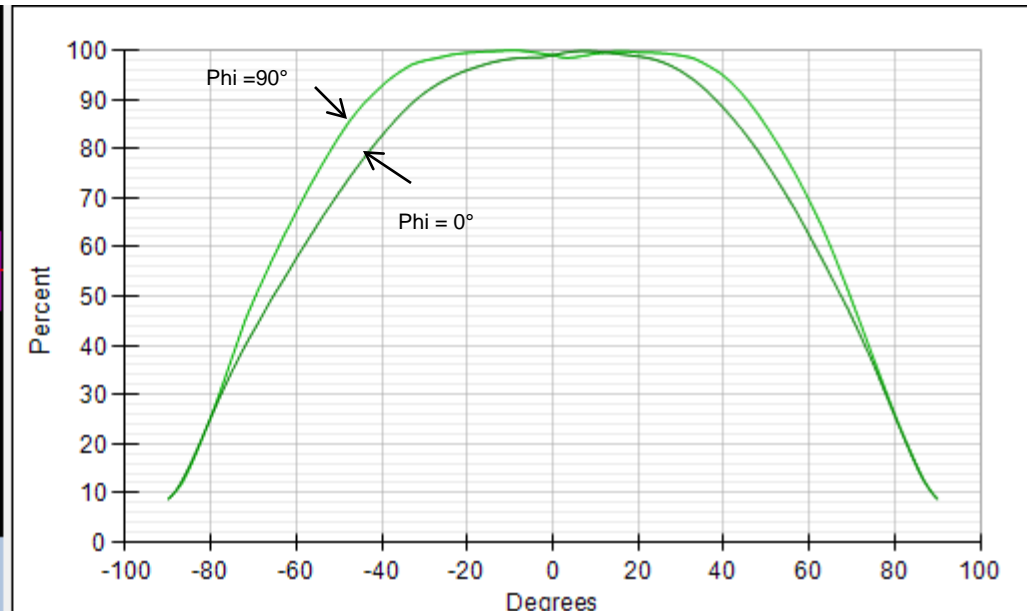
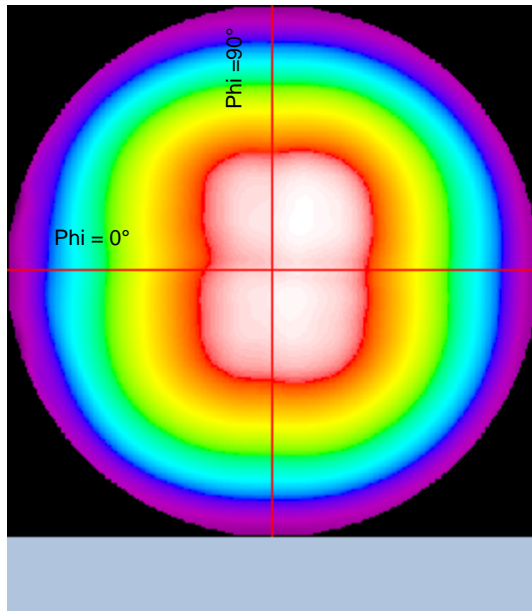
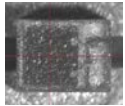
- xy centered on chip as shown
- z-axis referenced above AlInGaP chip surface as shown below



Dimensions in mm

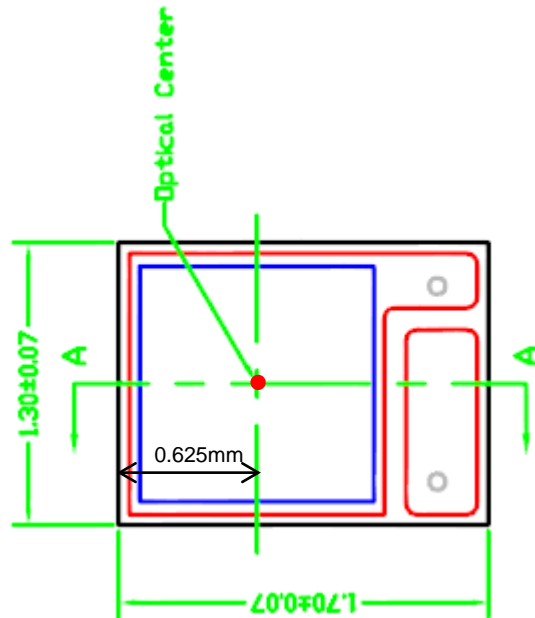


Radiation Pattern – Relative Luminous Intensity versus Angle (Blue, Cyan & Green)



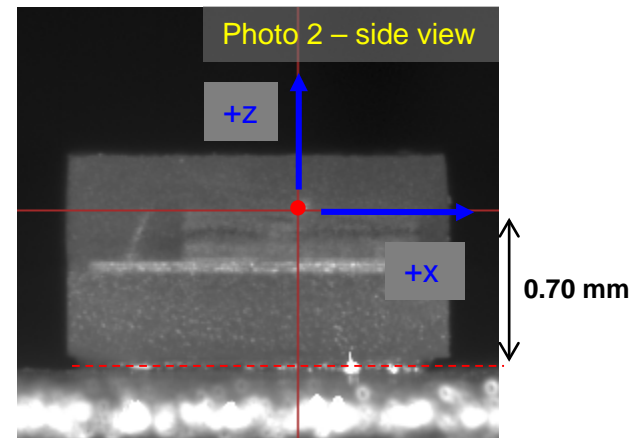
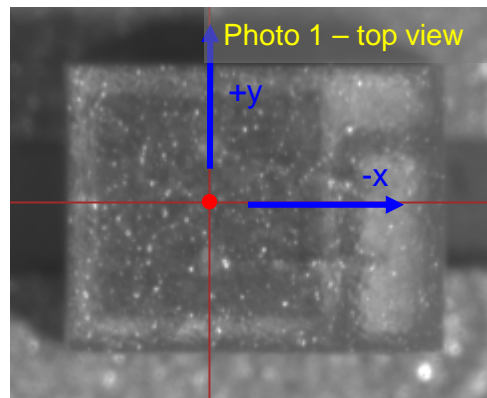
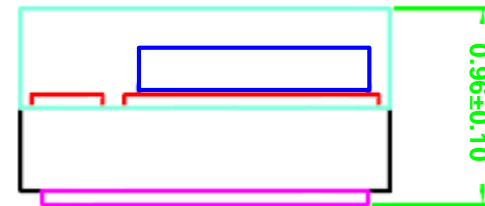
LUXEON Z AlInGaP Amber

Location of Reference Point (Amber)

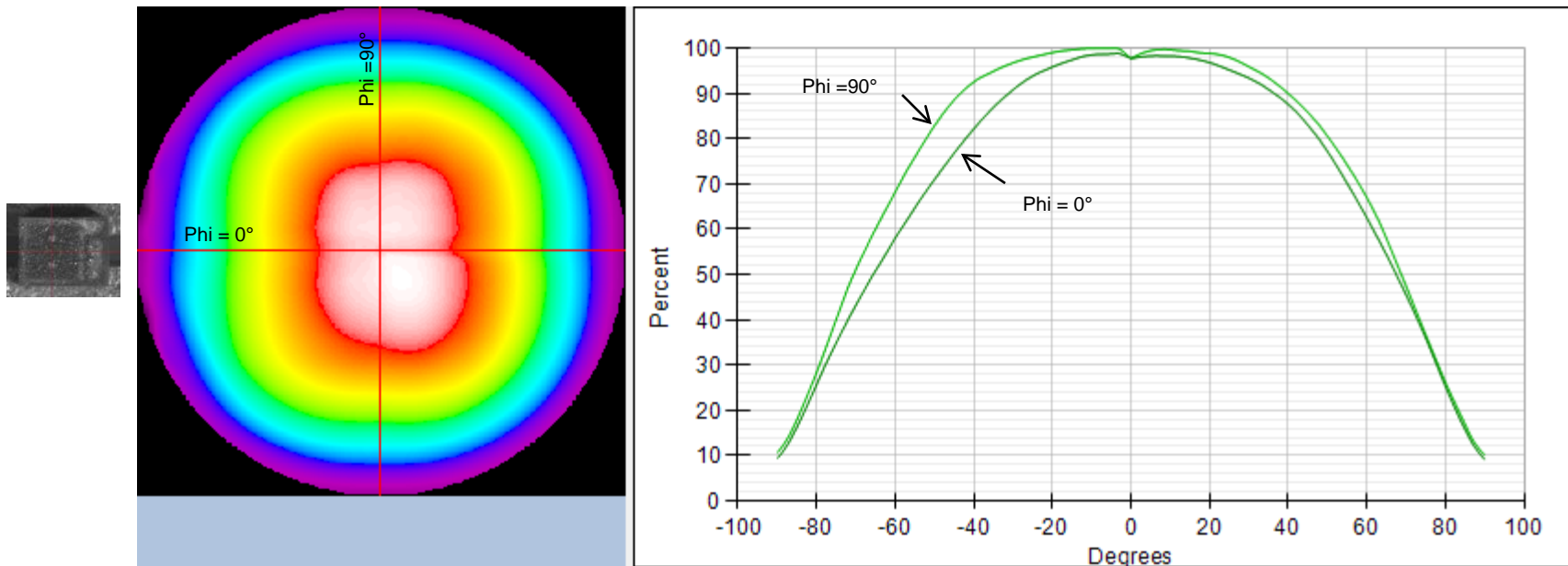


Dimensions in mm

- xy centered on chip as shown
- z-axis referenced above AlInGaP chip surface as shown below



Radiation Pattern – Relative Luminous Intensity versus Angle (Amber)

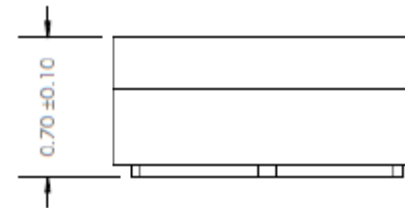
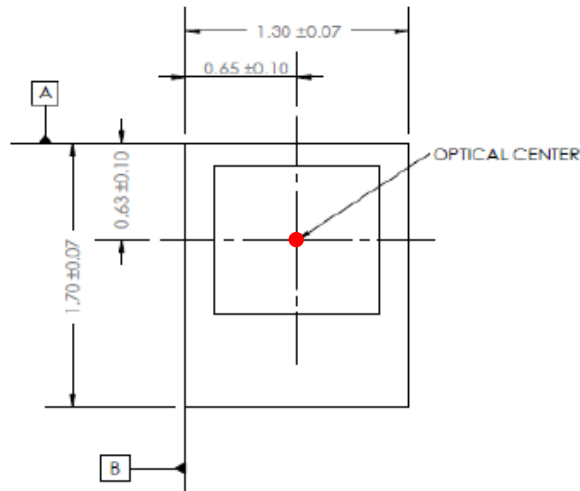


LUXEON Z Lime

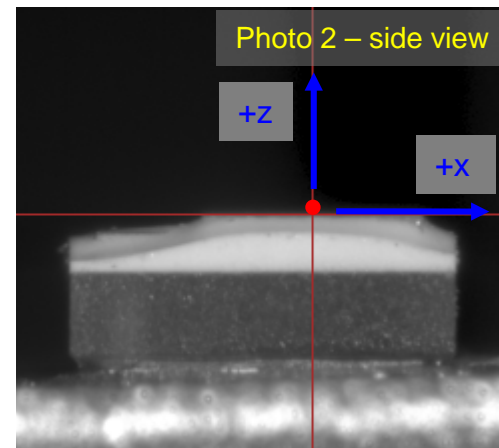
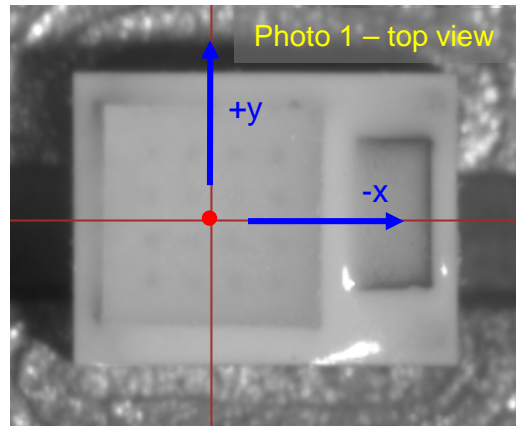
Location of Reference Point (Lime)

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

Dimensions in mm



Note: thickness tolerance shown here is referenced to the top of the chip emitting area, not outside.



Radiation Pattern – Relative Luminous Intensity versus Angle (Lime)

