

Optical Ray File Information for LUXEON CoB Core Range Product Family

Dec 7th, 2020



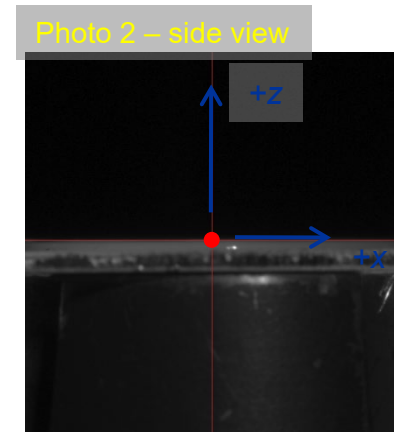
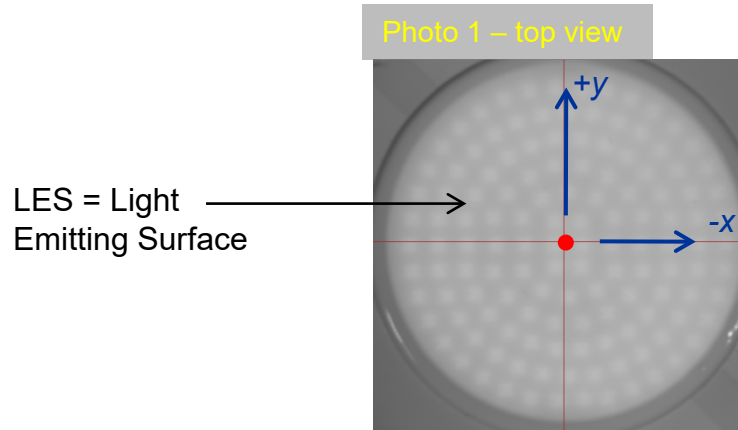
Introduction

- LUXEON CoB Core Range optical rayset is grouped into two:
 - L2C**5**-xxyyzzzz**E**mmnn and
 - L2C**5**-xxyyzzzz**F**mmnn
 - where
 - xx designates nominal CCT (e.g. 30 = 3000K, etc)
 - yy designated minimum CRI (e.g. 70 – minimum 70 CRI)
 - zzzz designates product configuration (e.g. 1202, 1203, etc)
 - mm – designates light emitting surface (LES) size (e.g. 09 = 9mm diameter)
 - nn – designates options for product specification

LUXEON CoB Core Range (Gen 3, L2C5-xxyyzzzz**E**mmnn)

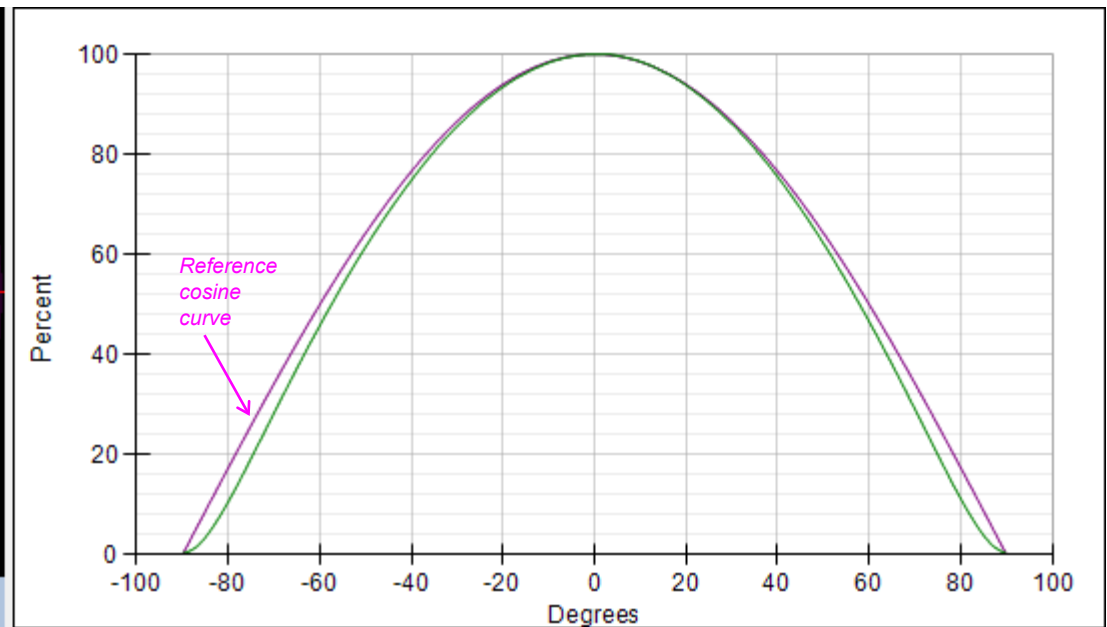
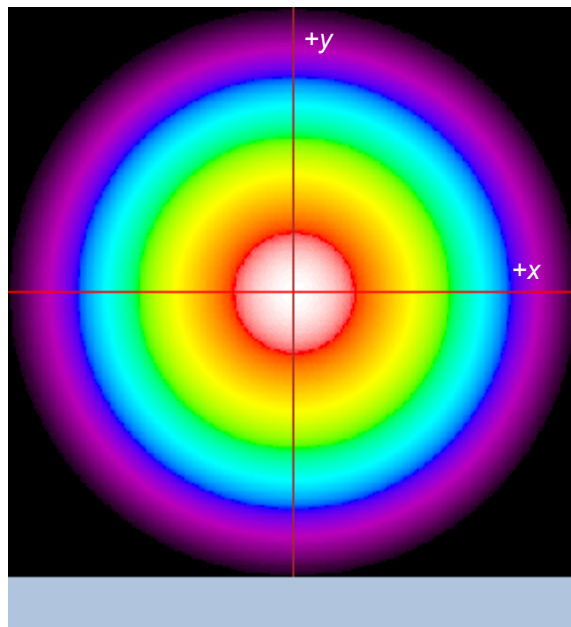
Reference Point – LUXEON CoB L2C5-xyyyzzzzEmmnn

- All the LUXEON CoB configurations for this product family share the same reference point (red dot) for the scan origin as shown.
- The x-y is centered on the LES while the z-axis is referenced to the top of LES area.
- The far field radiation pattern for all LUXEON CoB configurations are very similar to each other as shown in the next slide.



Images shown here is LUXEON CoB 1211 configuration as a representative

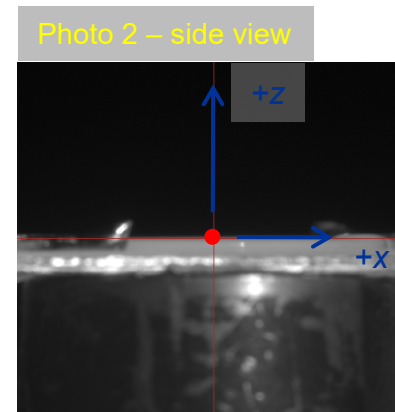
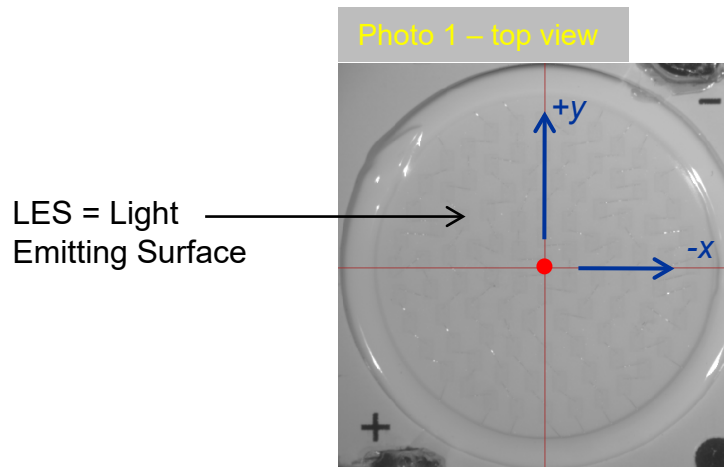
Typical Radiation Pattern - LUXEON CoB L2C5- xxyyzzzzEmmnn



LUXEON CoB Core Range (Gen 4, L2C5-xxyyzzzz**F**mmnn)

Reference Point – LUXEON CoB L2C5-xxxyzzzzFmmnn

- All the LUXEON CoB configurations for this product family share the same reference point (red dot) for the scan origin as shown.
- The x-y is centered on the LES while the z-axis is referenced to the top of LES area.
- The far field radiation pattern for all LUXEON CoB configurations are very similar to each other as shown in the next slide.



Images shown here is LUXEON CoB 1208 configuration as a representative

Typical Radiation Pattern - LUXEON CoB L2C5- xyyyzzzzFmmnn

