

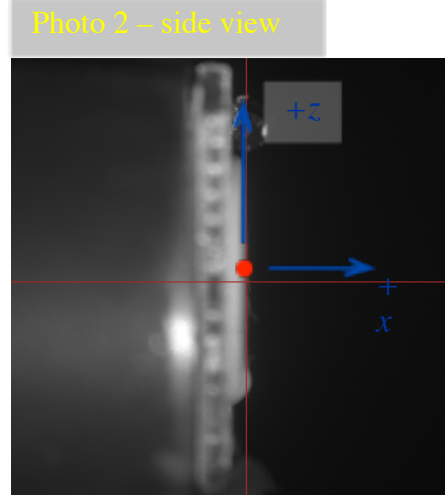
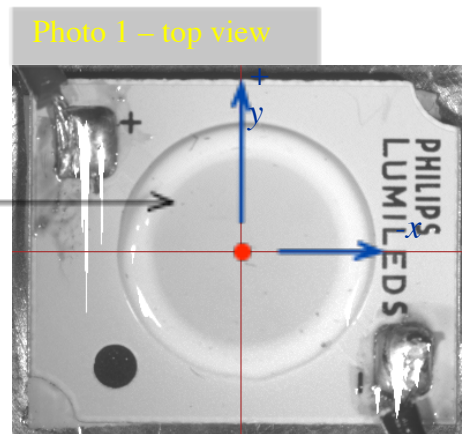
Optical Ray File Information for LUXEON CoB with CrispWhite Technology 2015-07-30



Location of Reference Point – LUXEON CoB CrispWhite 120206 LES 6.5mm

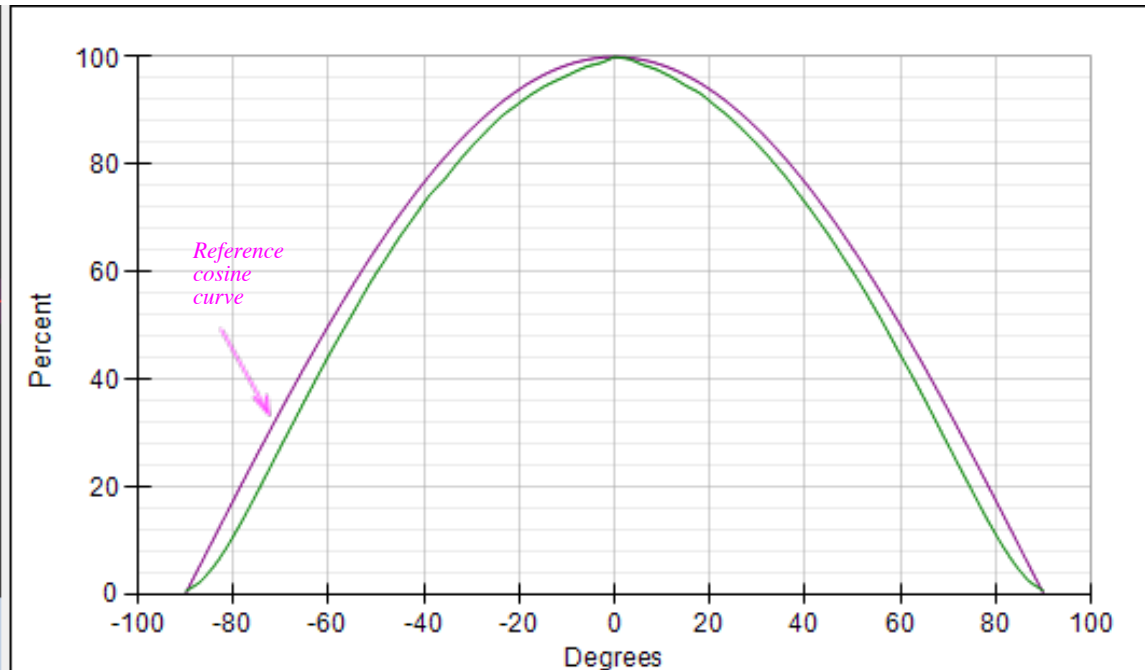
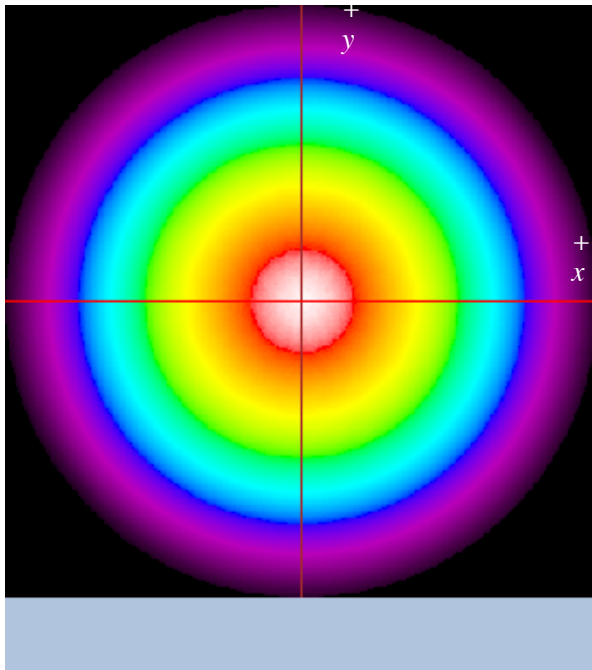
x - y center on LES (6.5mm diameter)
 z -axis referenced to top of LES area

LES = Light
Emitting Surface



*NOTE: The image of the part shown here may vary slightly from the actual product such as the company logo.
This has no impact to the outcome of the optical simulation.*

Radiation Pattern **LUXEON CoB CrispWhite 120206 LES** **6.5mm** – Relative Luminous Intensity versus Angle on x - z plane



Location of Reference Point – LUXEON CoB CrispWhite 1202 LES 9mm

x - y center on LES (9mm diameter)
 z -axis referenced to top of LES area

Photo 1 – top view

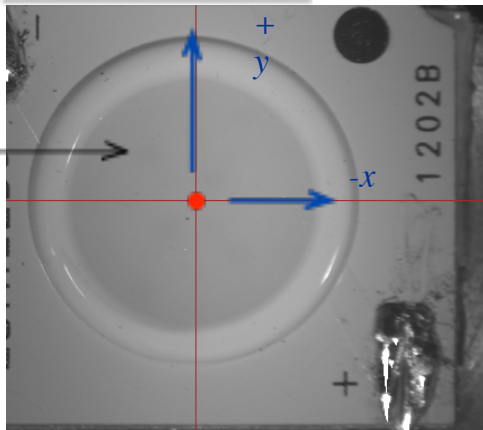
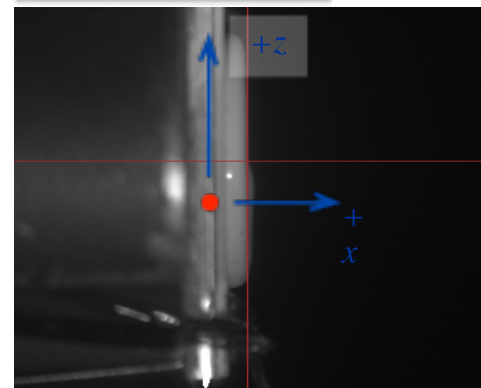
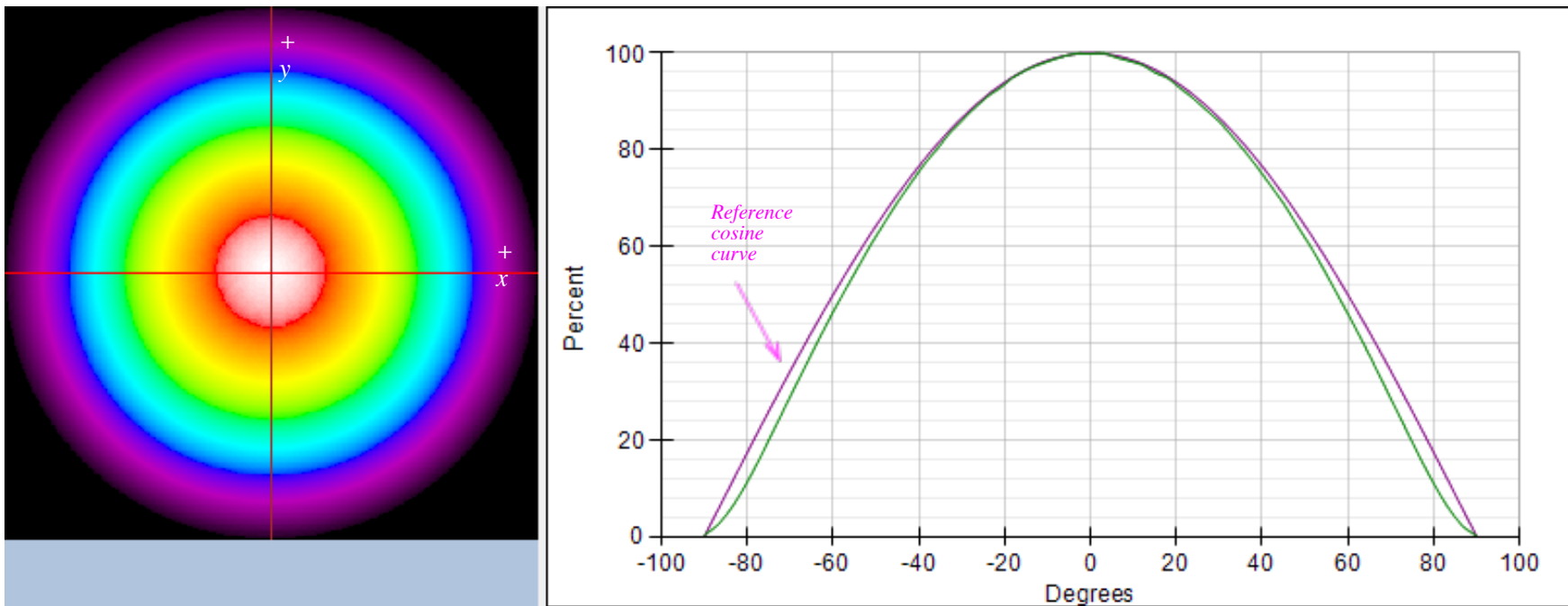


Photo 2 – side view



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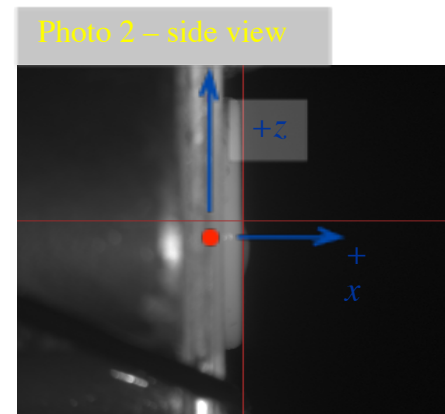
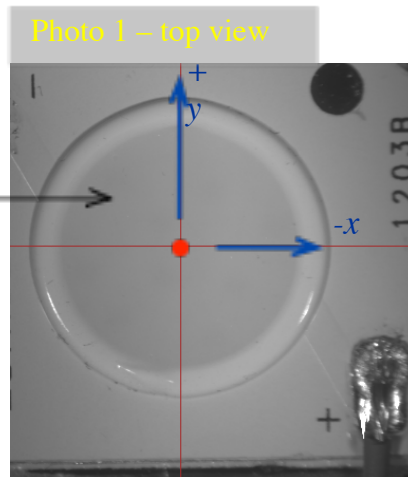
Radiation Pattern **LUXEON CoB CrispWhite 1202 LES** **9mm** – Relative Luminous Intensity versus Angle on x - z plane



Location of Reference Point – LUXEON CrispWhite CoB 1203 LES9mm

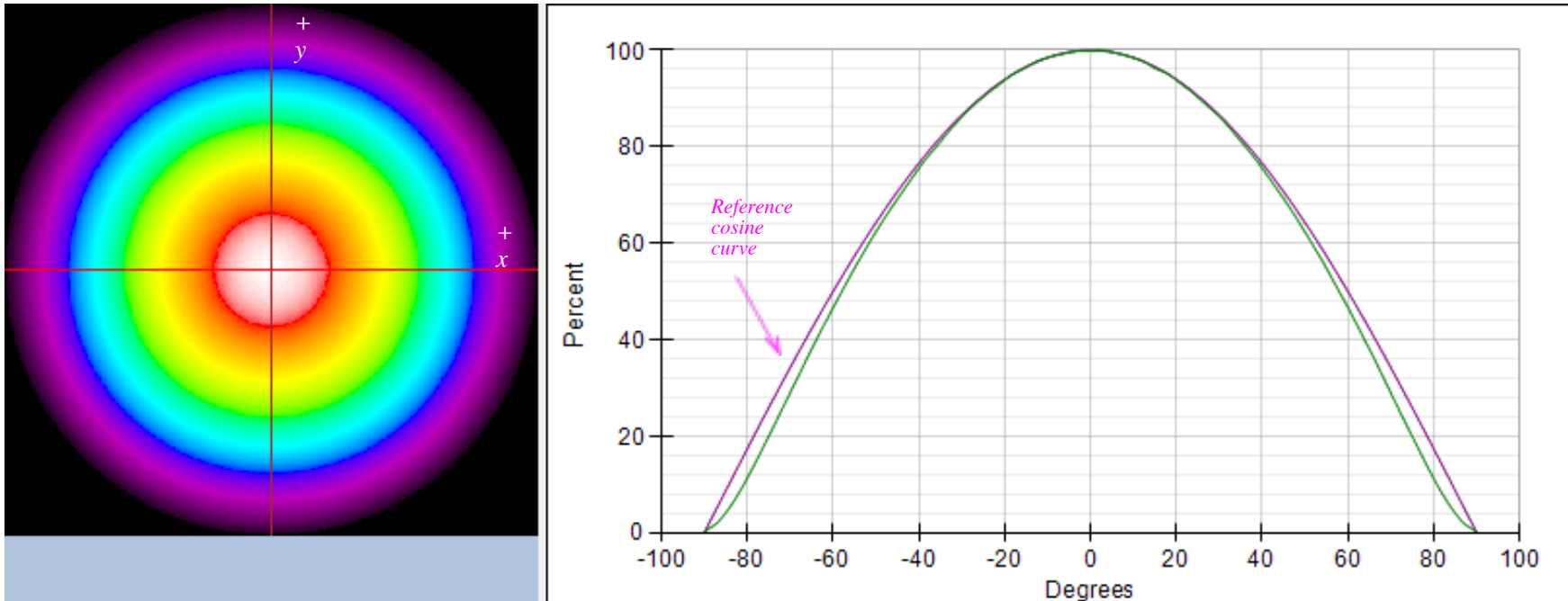
x - y center on LES (9mm diameter)
 z -axis referenced to top of LES area

LES = Light
 Emitting Surface



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Radiation Pattern **LUXEON CoB CrispWhite 1203** **LES9mm** – Relative Luminous Intensity versus Angle on x - z plane



Location of Reference Point – LUXEON CoB 1204 CrispWhite LES13mm

x - y center on LES (13mm diameter)
 z -axis referenced to top of LES area

Photo 1 – top view

LES = Light
Emitting Surface

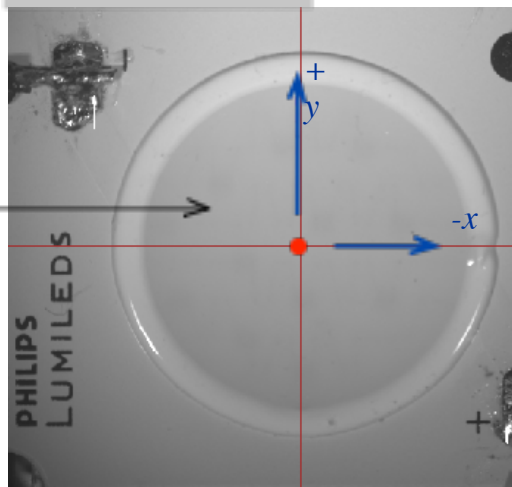
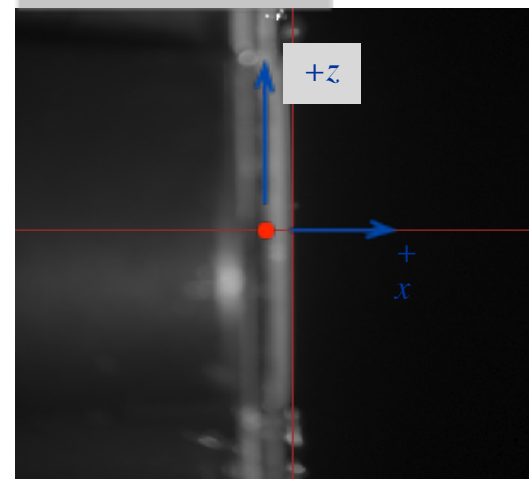
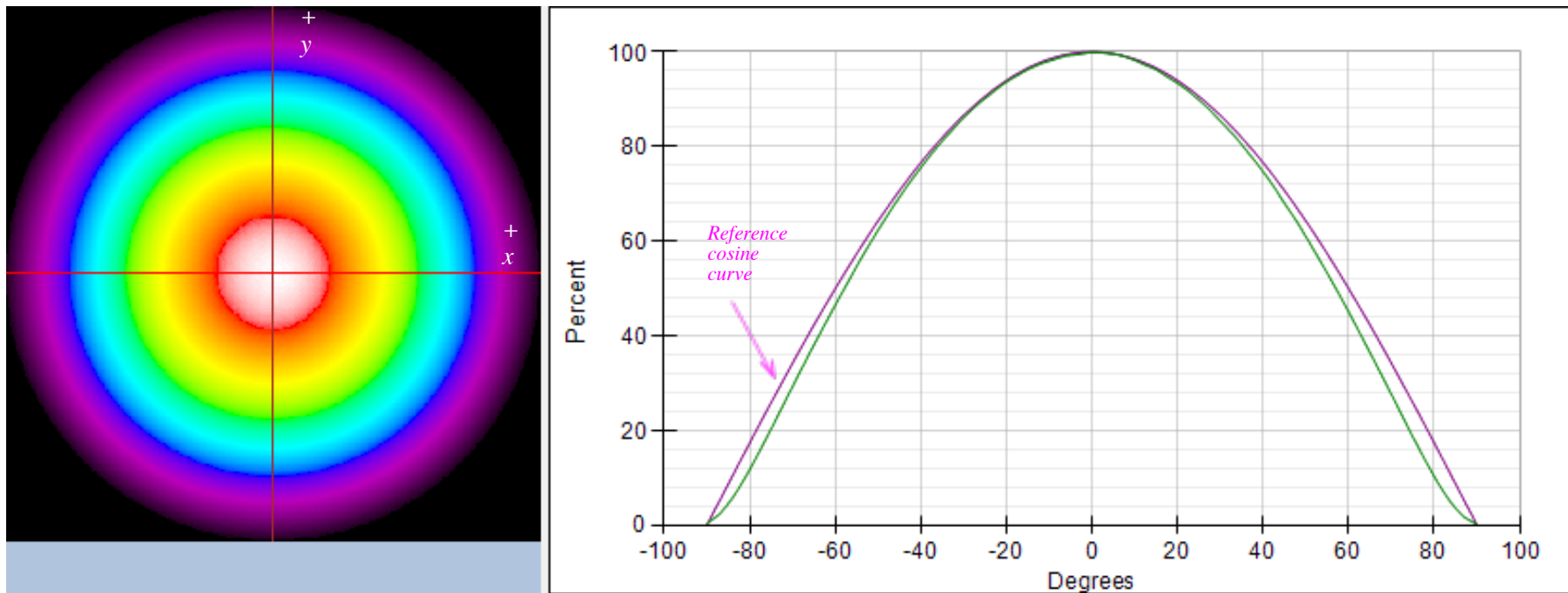


Photo 2 – side view



*NOTE: The image of the part shown here may vary slightly from the actual product such as the company logo.
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Radiation Pattern **LUXEON CoB CrispWhite 1204** **LES13mm** – Relative Luminous Intensity versus Angle on x - z plane



Location of Reference Point – LUXEON CoB CrispWhite 1205 LES13mm

x - y center on LES (13mm diameter)
 z -axis referenced to top of LES area

Photo 1 – top view

LES = Light
Emitting Surface

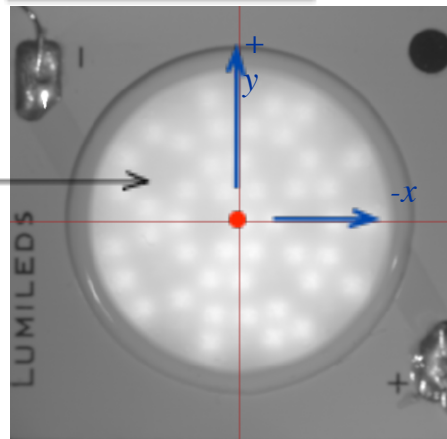
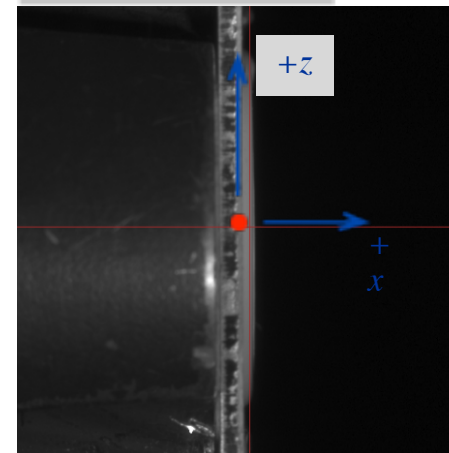
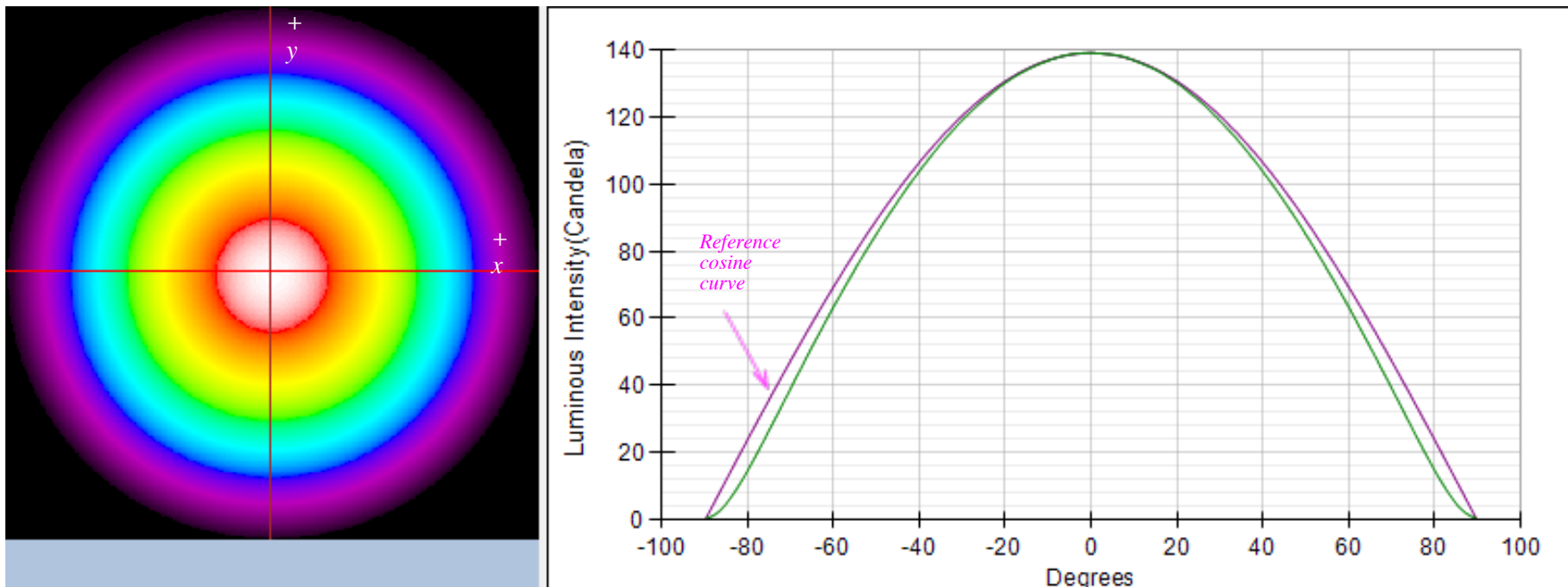


Photo 2 – side view



*NOTE: The image of the part shown here may vary slightly from the actual product such as the company logo.
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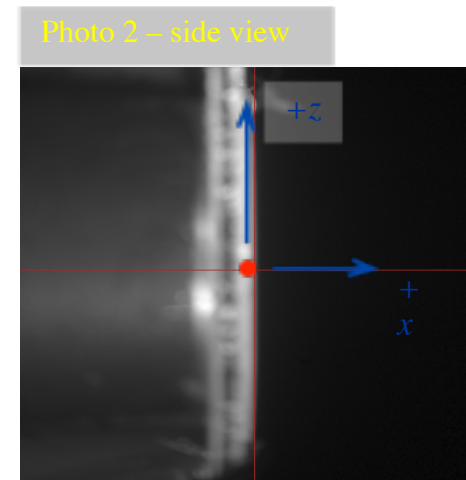
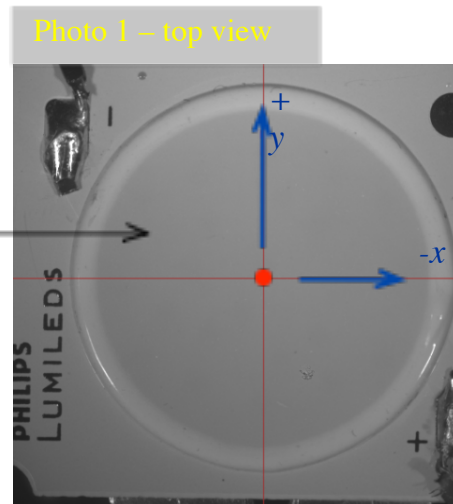
Radiation Pattern **LUXEON CoB CrispWhite 1205** – Relative Luminous Intensity versus Angle on x - z plane



Location of Reference Point – LUXEON CoB CrispWhite 1208 LES15mm

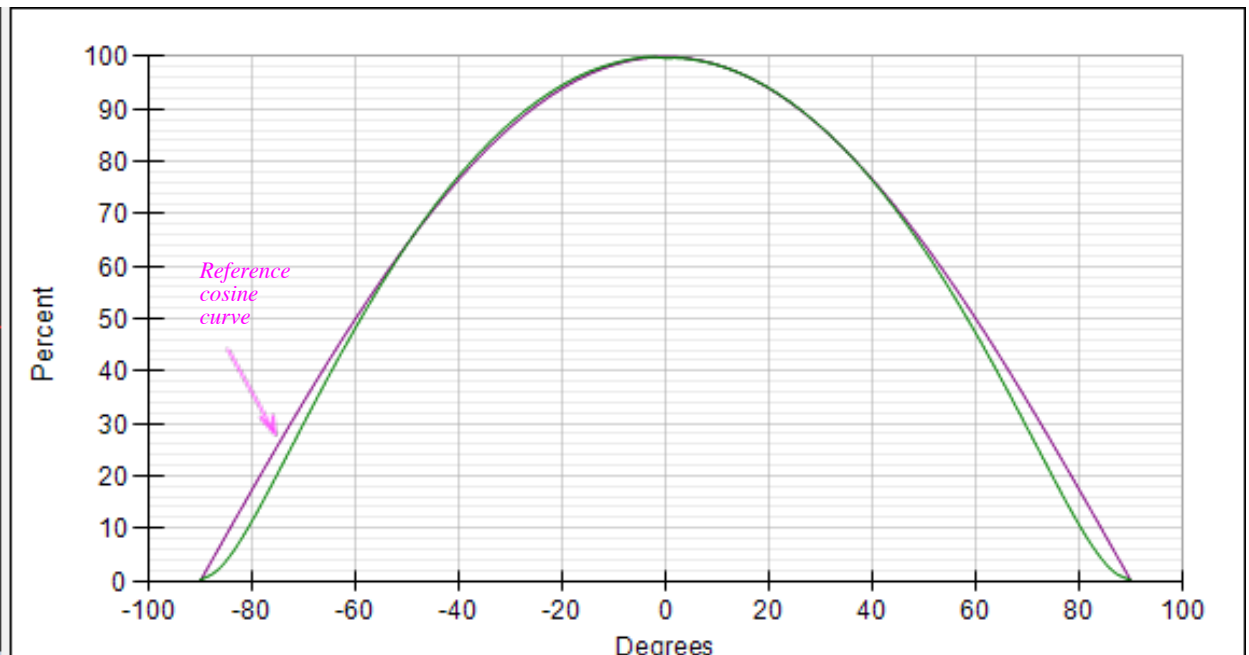
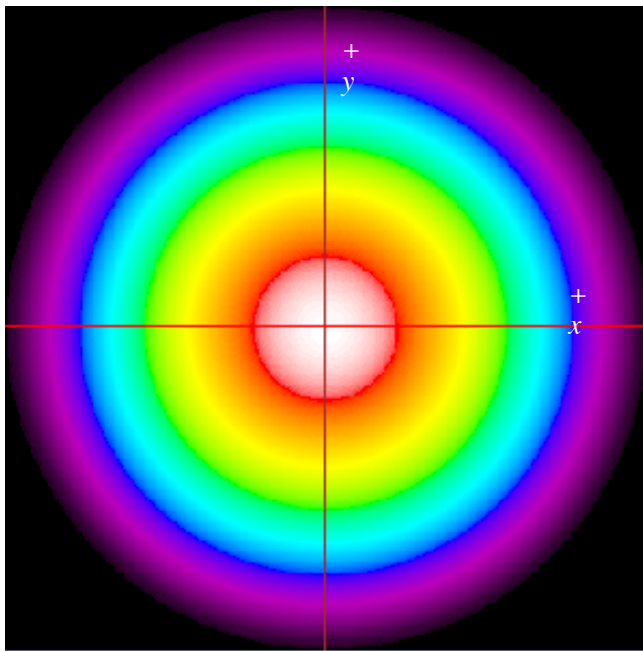
x - y center on LES (15mm diameter)
 z -axis referenced to top of LES area

LES = Light
Emitting Surface



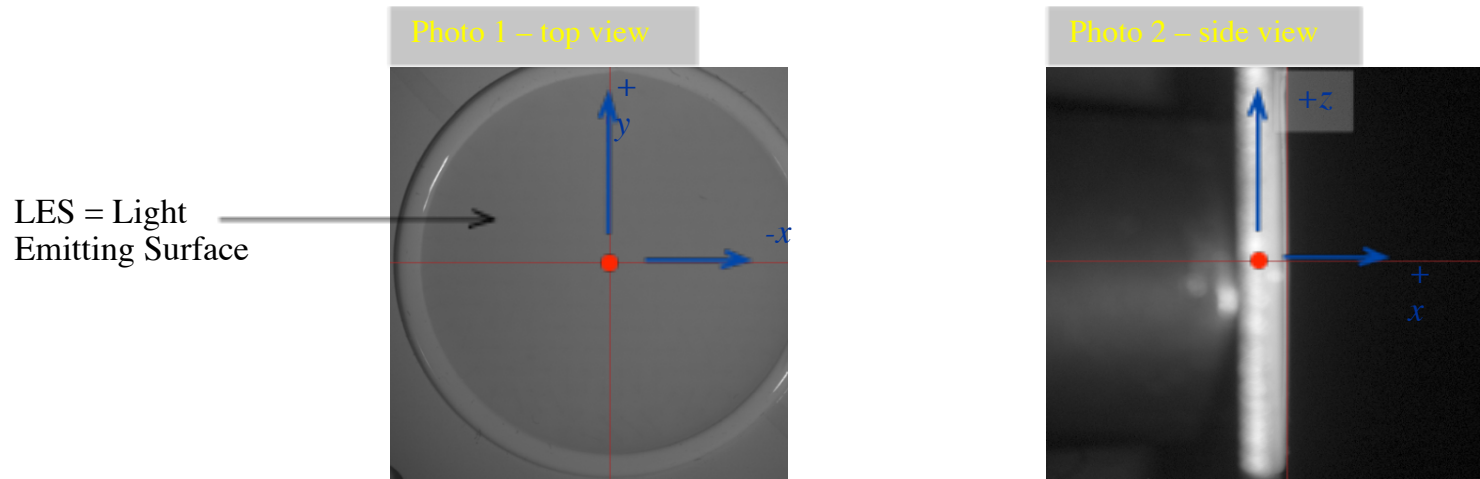
*NOTE: The image of the part shown here may vary slightly from the actual product such as the company logo.
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Radiation Pattern **LUXEON CoB CrispWhite 1208** **LES15mm**– Relative Luminous Intensity versus Angle on x - z plane



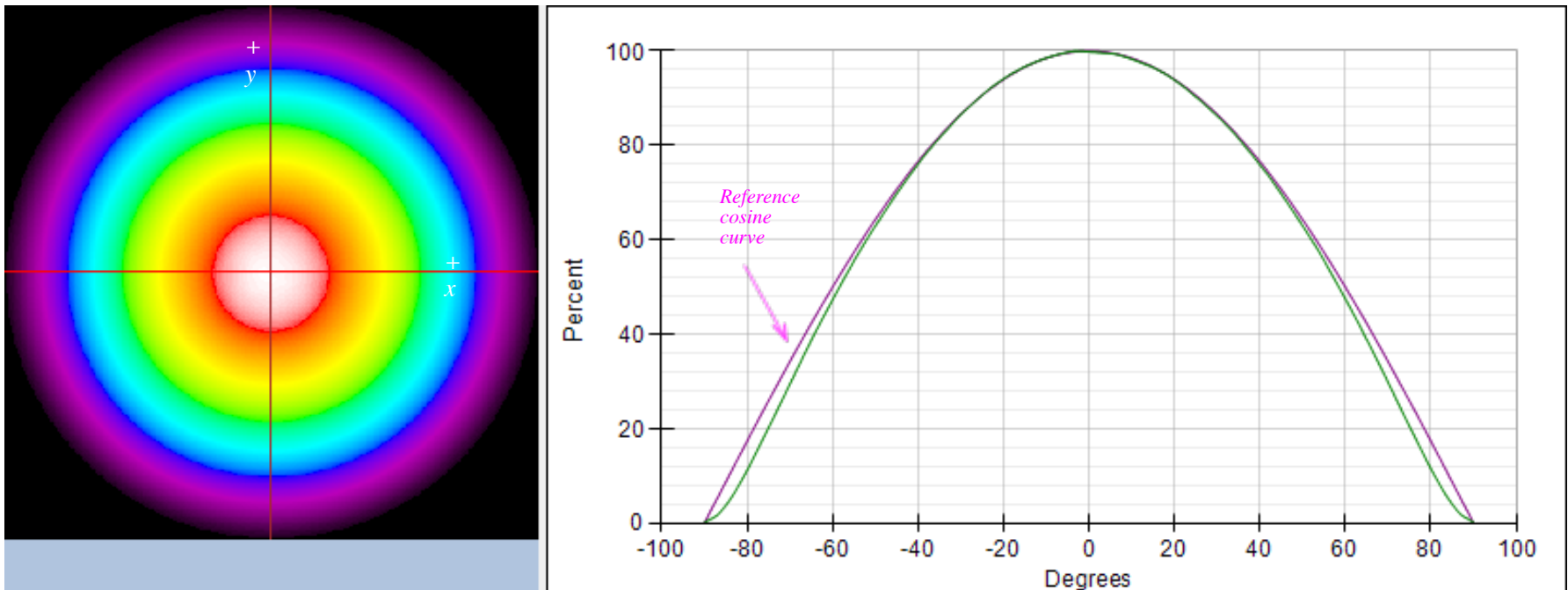
Location of Reference Point – LUXEON CoB CrispWhite 1211 LES18.5mm

x - y center on LES (18.5mm diameter)
 z -axis referenced to top of LES area



*NOTE: The image of the part shown here may vary slightly from the actual product such as the company logo.
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Radiation Pattern **LUXEON CoB CrispWhite 1211** **LES18.5mm** – Relative Luminous Intensity versus Angle on x - z plane





LUMILEDS