

Radiant Source Model Report

Source Model Information

Source Description

Product ID:
Source Type: LED
Model Number: RF-A1E31-W60H-B3-E
Serial Number:
Manufacturer: REFOUD

Source Description Notes:

Scan Environment

measurement Type: Photometric
SIG Orientation: SIG400/ Vertical
Applied (volts): 3.65V
Current Applied (amps): 350mA
Watts Measured: 1.28W
Cx: 0.3230 Cy: 0.3351 ϕ :154.6 lm

Scan Results

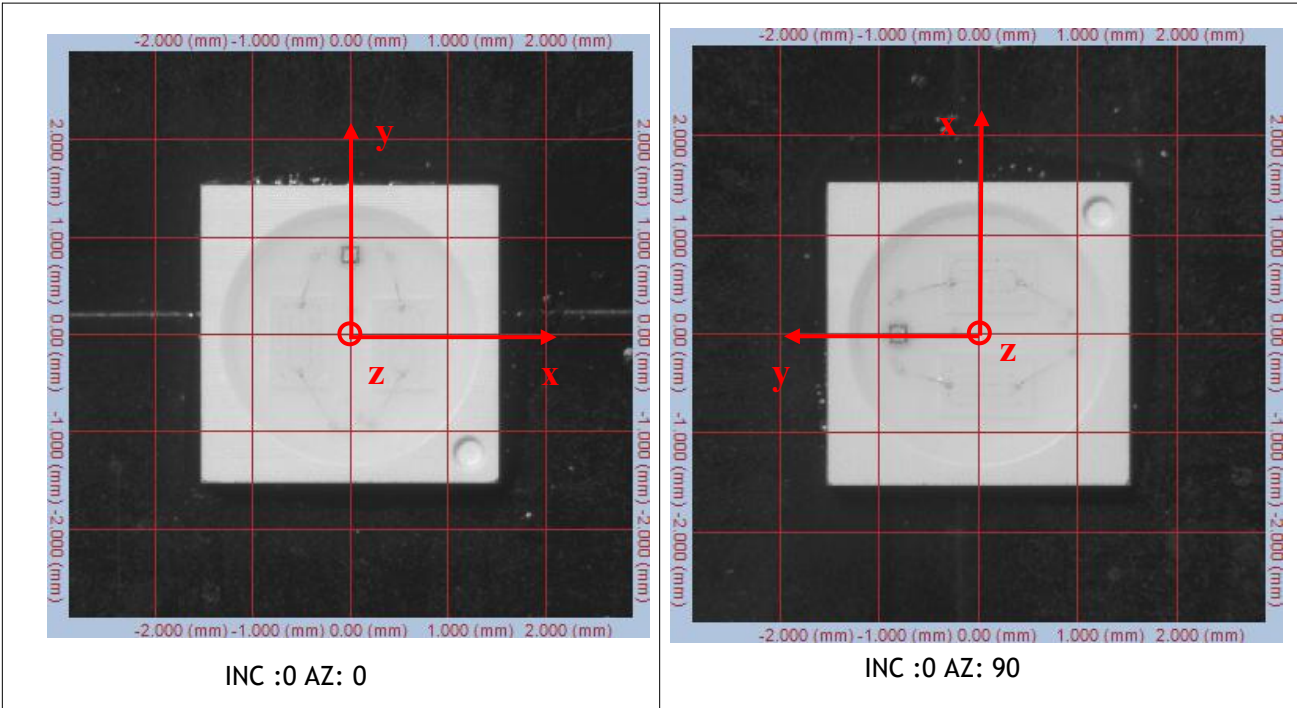
Date Scanned: 18-Apr-2024
Number of Measurements: 2736
Azimuth Range: 0 to 90, Step 5
Polar Range: 0 to 360, Step 5
Rated Lumens/Watts:121 lm/W

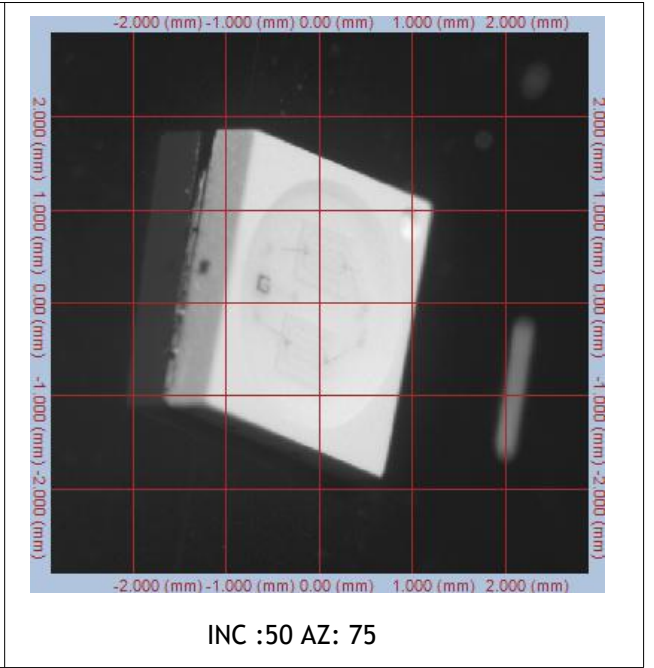
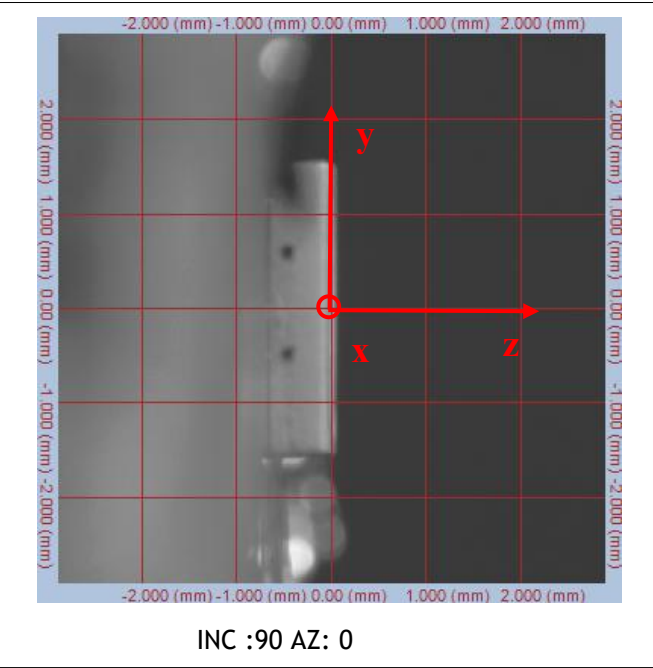
Alignment Images

Test Origin Coordinate Chart

(The deviation of the position of the luminescent center relative to the center of the bracket.

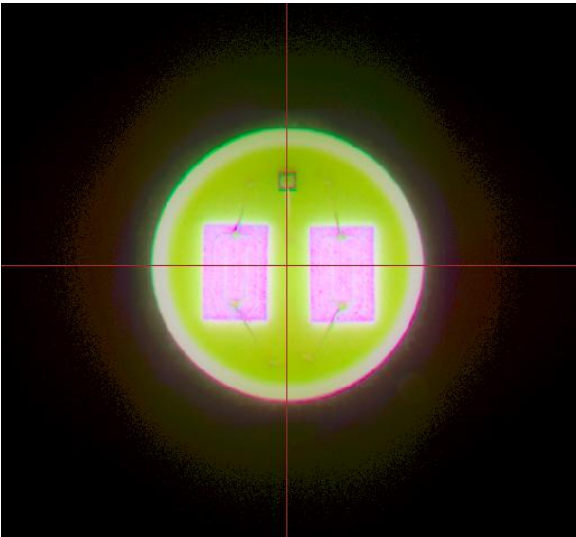
x= 0.0155mm, y=-0.0105 mm, z= 0.00mm)



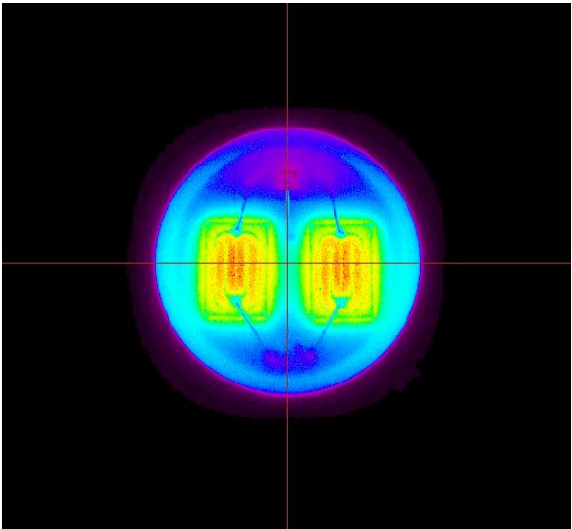


Summary of Test Results

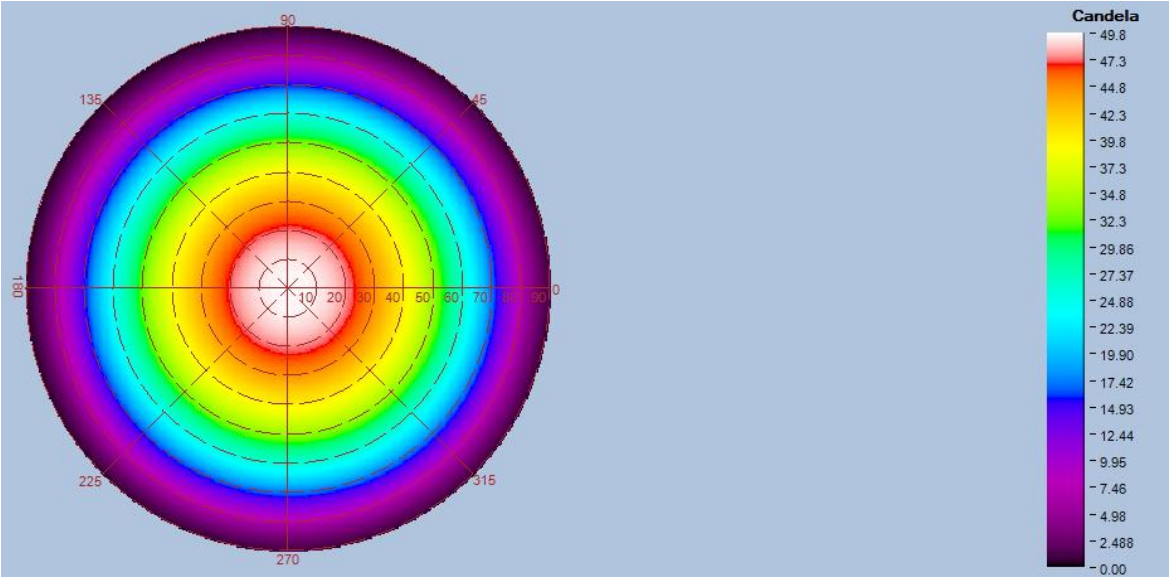
Top-View True Color Image



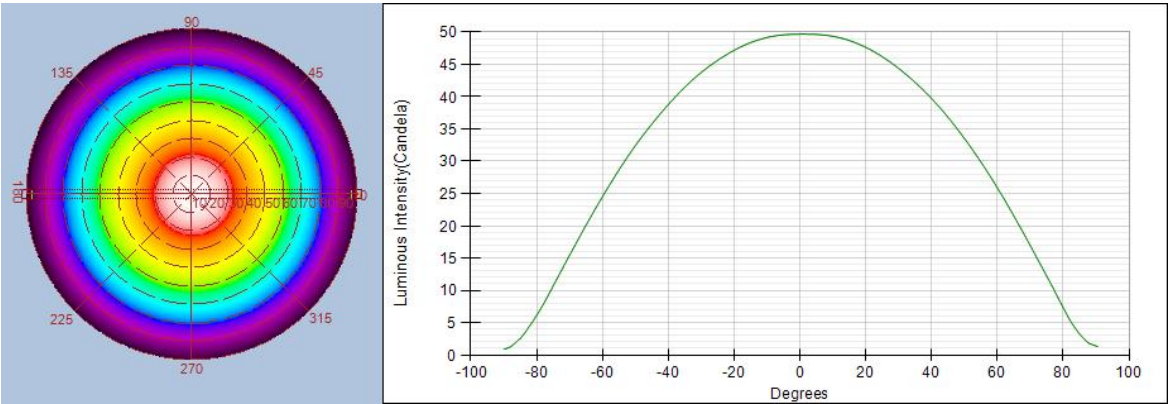
Top-View Luminance Image



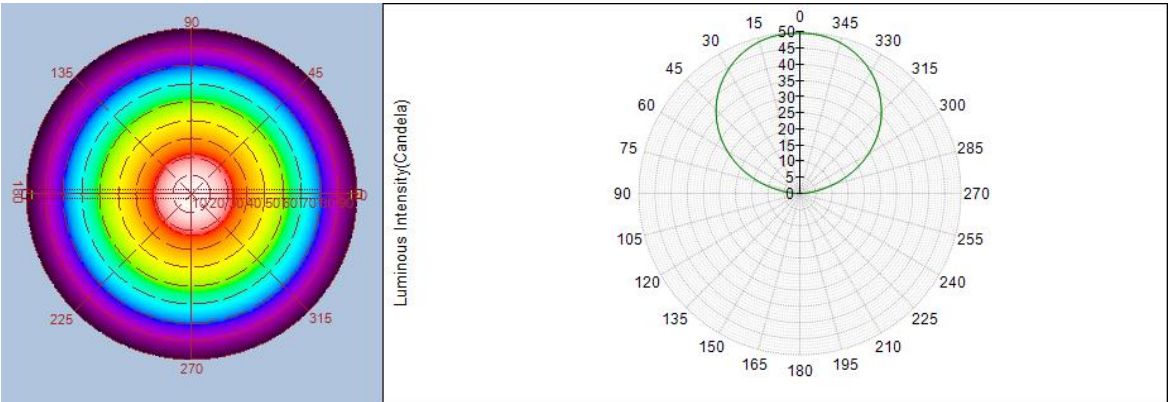
Intensity(traced to infinity)



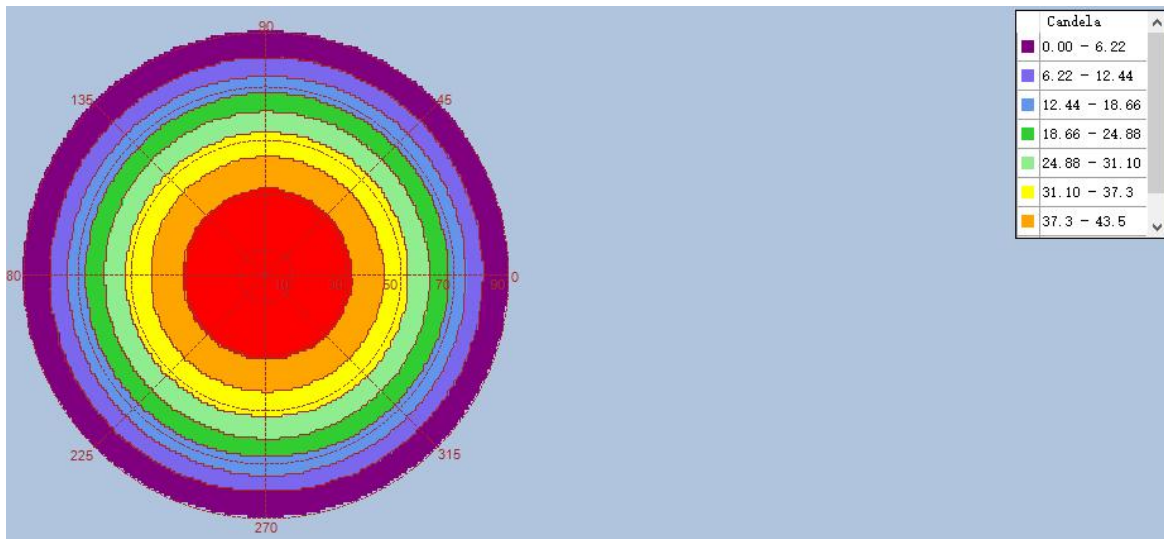
Intensity(traced to infinity) Cross Section Luminous Intensity(Candela)



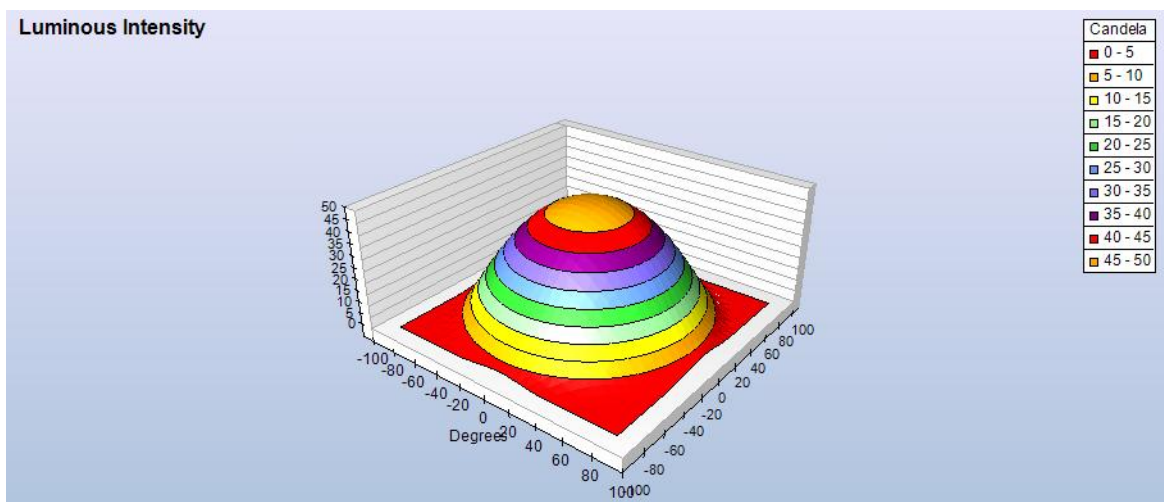
Intensity(traced to infinity) Cross Section Luminous Intensity(Candela)



Intensity(traced to infinity) Iso-Plot



Intensity(traced to infinity) 3D Iso-Plot



Illuminance Distribution Diagram

Data Processing Software	Prosource10.2.7	Simulation Software	TracePro 2020
Number of Rays	1000,000	Receiver	8mm*8mm Distance :0.1mm
Smoothness of Illuminance Distribution Curve	50	Smoothness of Photometric Curve	20

Illuminance Distribution Diagram

