

Radiant Source Model Report

Source Model Information

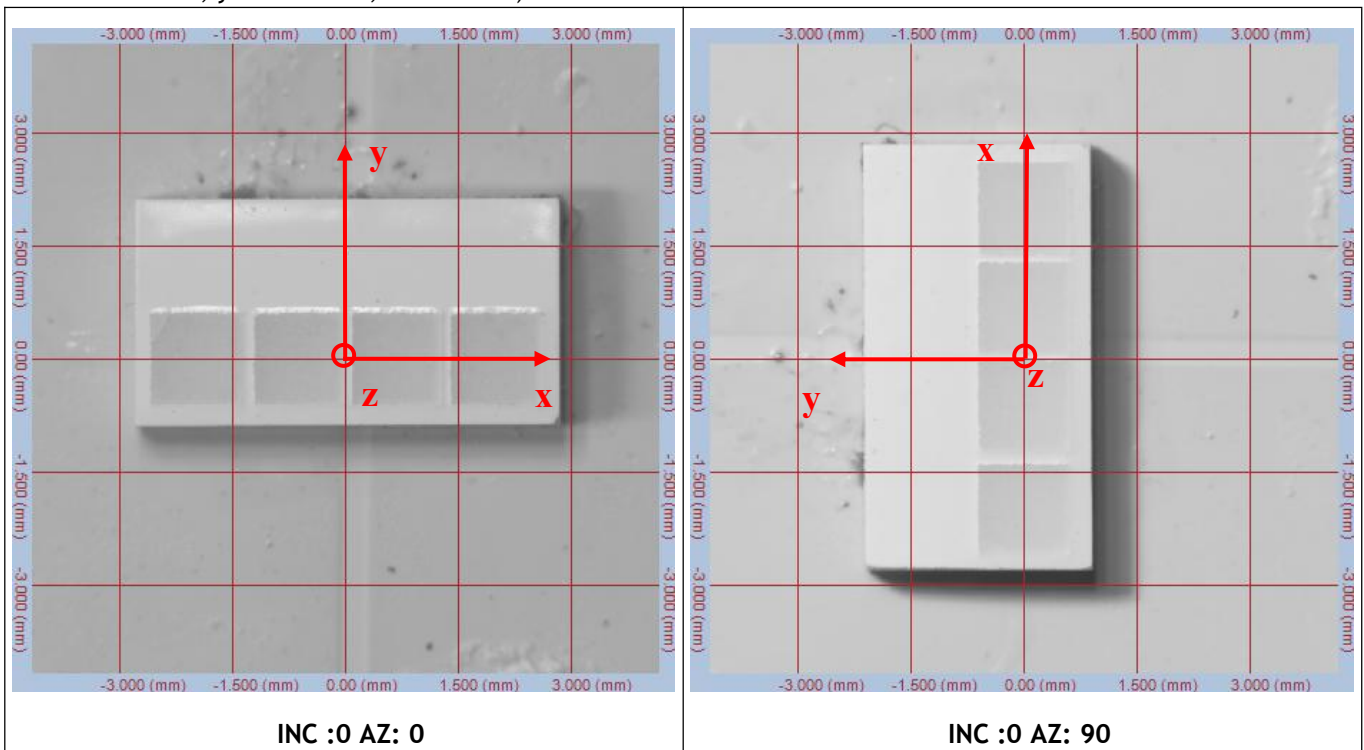
Source Description Product ID: Source Type: LED Model Number: RF-A4H40-W60P Serial Number: Manufacturer: REFOUD Source Description Notes:	Scan Environment measurement Type: Photometric SIG Orientation: SIG400/ Vertical Applied (volts): 12.5V Current Applied (amps): 1000mA Watts Measured: 12.5W Cx: 0.3217 Cy: 0.3368 ϕ :1696.8 lm Scan Results Date Scanned: 11-July-2022 Number of Measurements: 2736 Azimuth Range: 0 to 90, Step 5 Polar Range: 0 to 360, Step 5 Rated Lumens/Watts:135.7 lm/W
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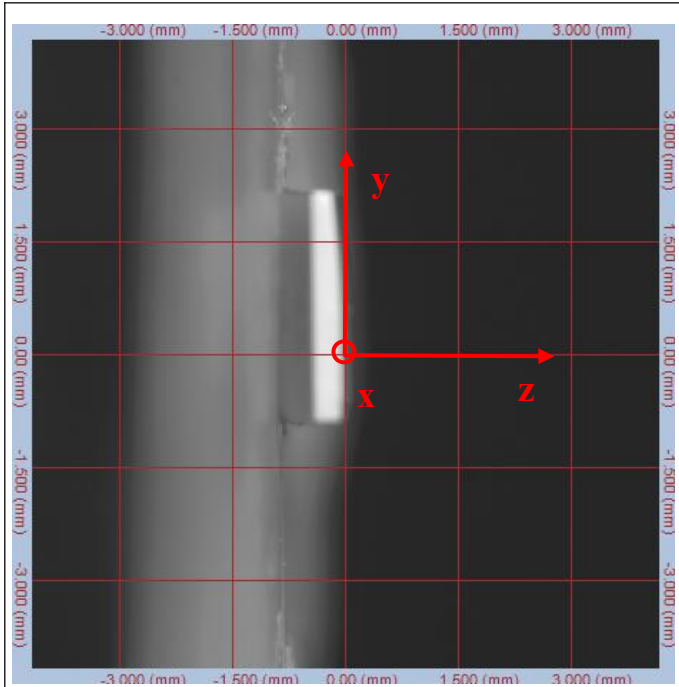
Alignment Images

Test Origin Coordinate Chart

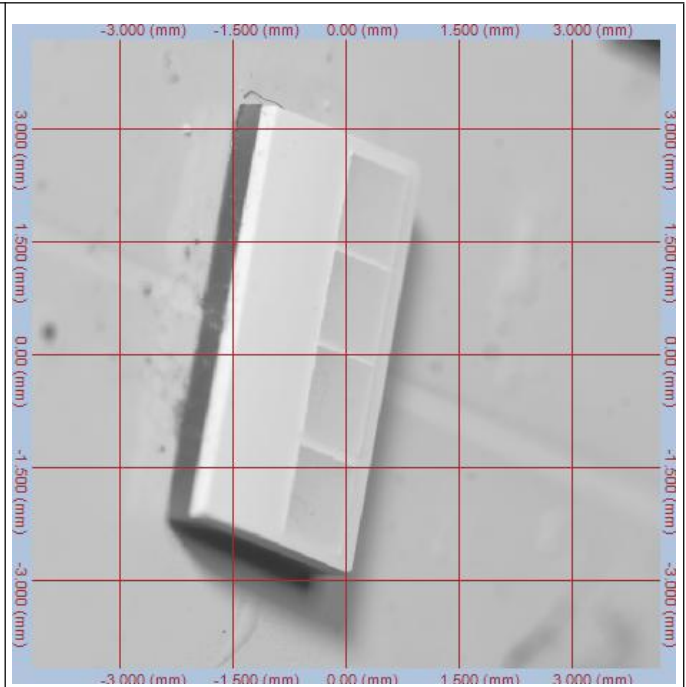
(The deviation of the position of the luminescent center relative to the center of the bracket.)

X=-0.021mm, y=-0.631 mm, z= 0.00mm)





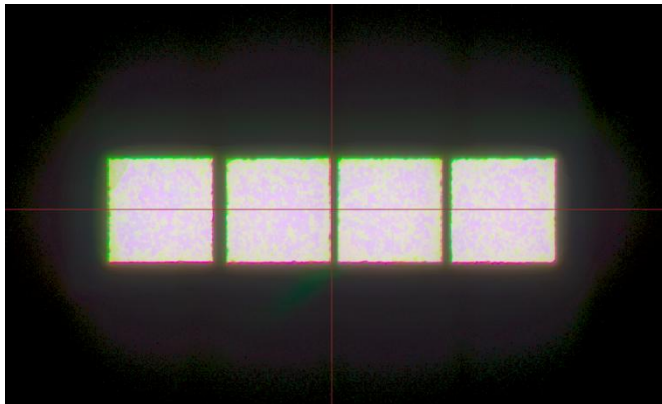
INC :90 AZ: 0



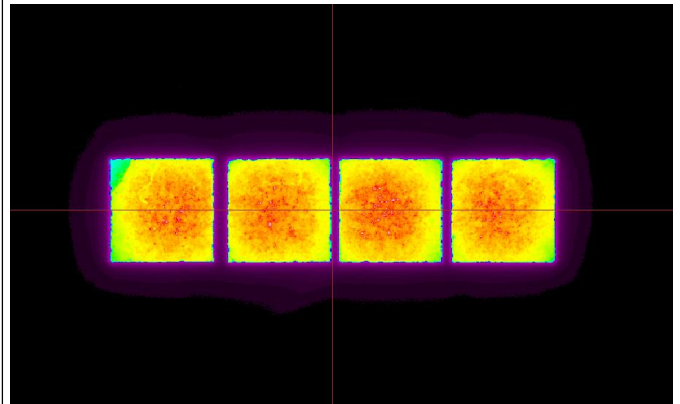
INC :50 AZ: 75

Summary of Test Results

Top-View True Color Image



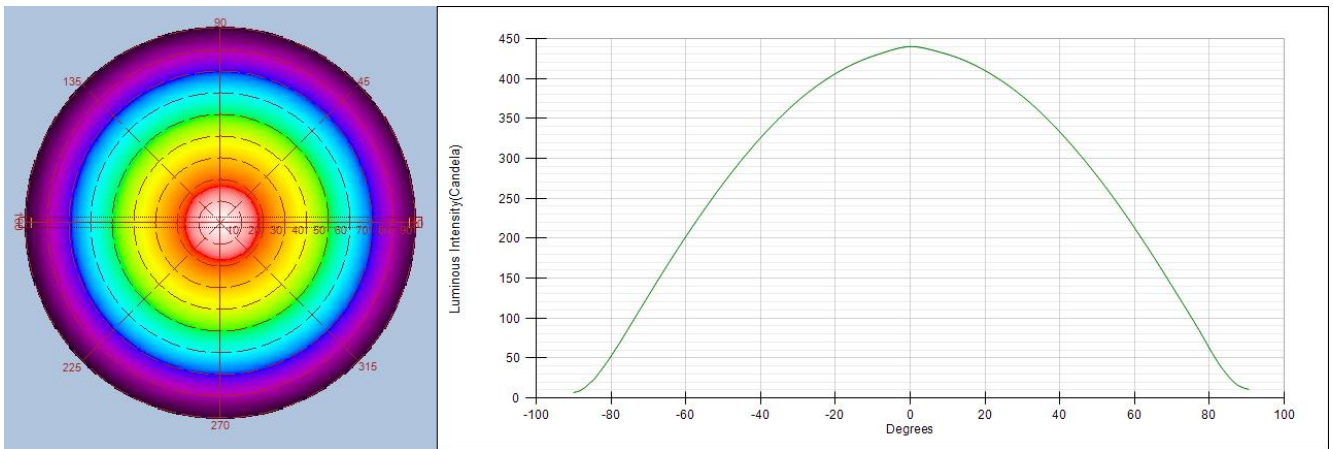
Top-View Luminance Image



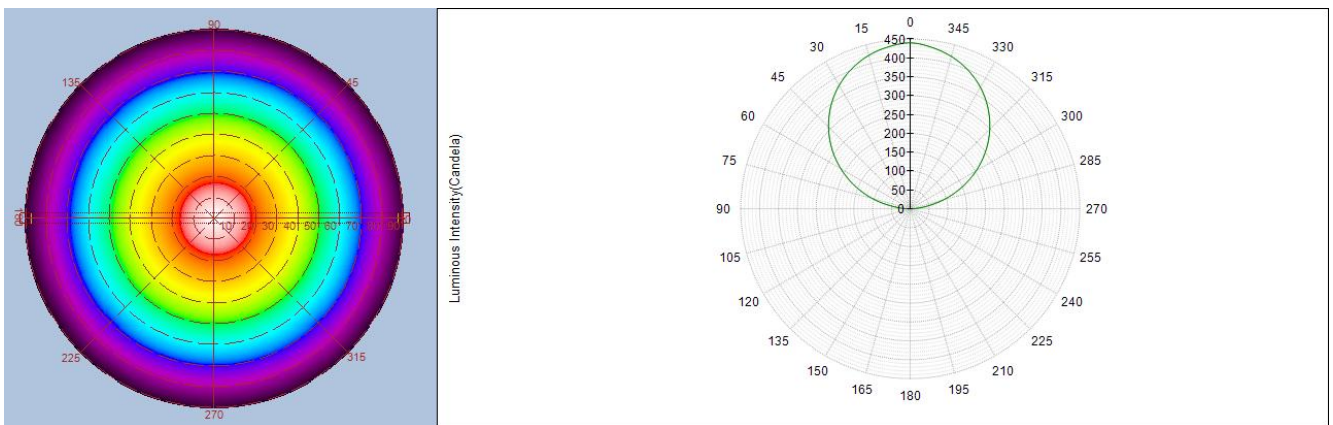
Intensity(traced to infinity)



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



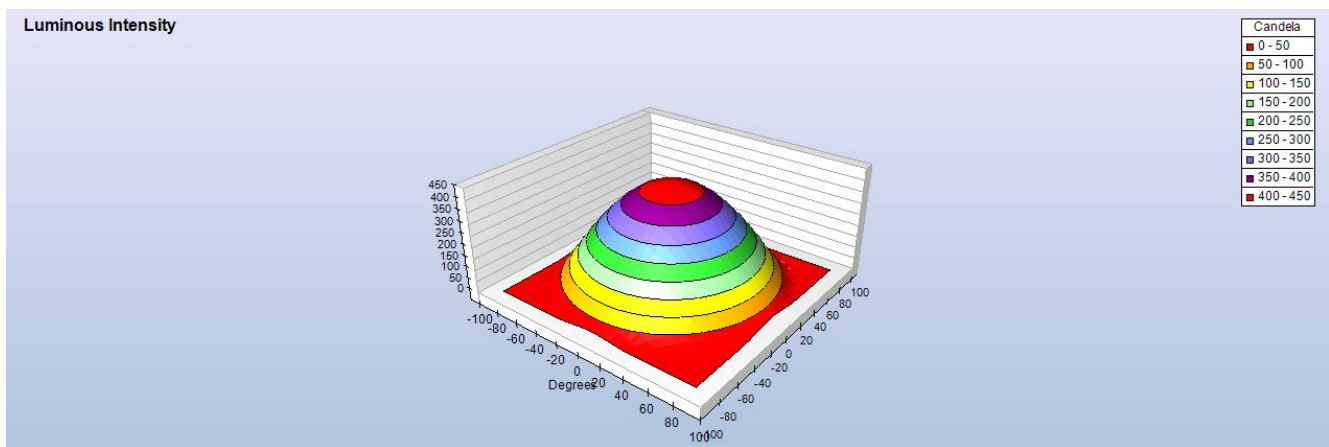
Intensity(traced to infinity) Cross Section Luminous Intensity(Candela)



Intensity(traced to infinity) Iso-Plot



Intensity(traced to infinity) 3D Iso-Plot

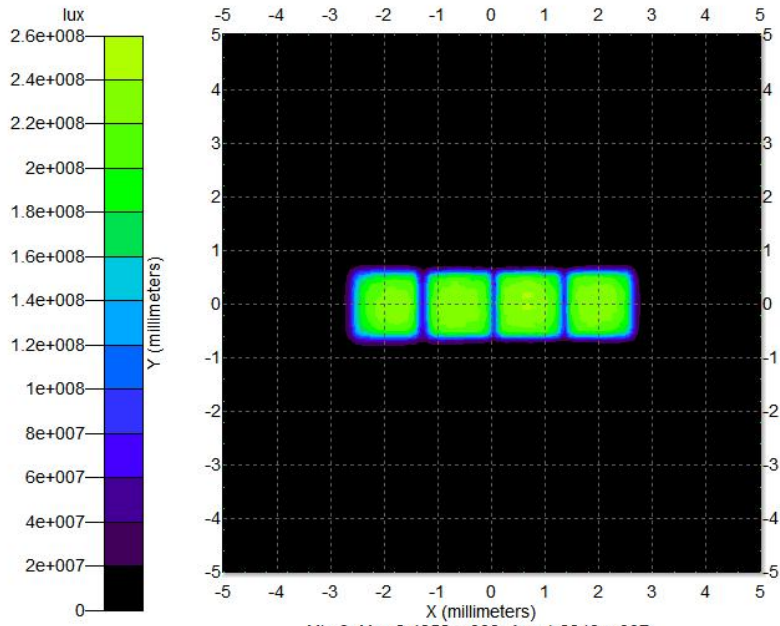


Illuminance Distribution Diagram

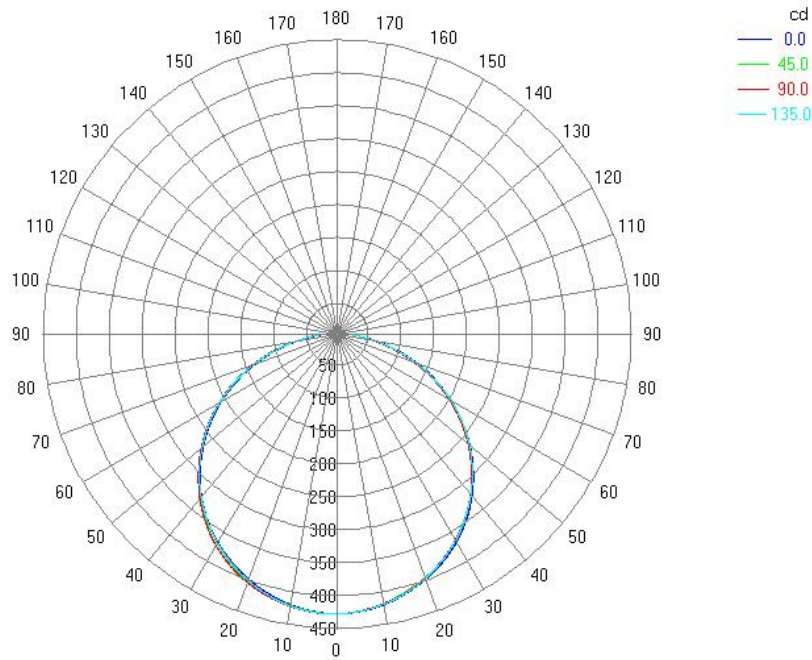
Data Processing Software	Prosource10.2.7	Simulation Software	TracePro 2020
Number of Rays	1000,000	Receiver	8mm*8mm Distance :0.1mm
Smoothness of Illuminance Distribution Curve	50	Smoothness of Photometric Curve	20

Illuminance Distribution Diagram

Total - Illuminance Map for Incident Flux
Block 1 Surface 1 Global Coordinates



Min:0, Max:2.4952e+008, Ave:1.2943e+007
Total Flux:1294.3 lm, Flux/Emitted Flux:0.99967, 4998358 Incident Rays
Polar Candela Distribution Plot
Using Missed Rays



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