

12th International Radiance Workshop

August, 2013 :: National Renewable Energy Laboratory, Golden Colorado

Michael Martinez ~ Associate

LOISOS + UBBELOHDE

ARCHITECTURE . ENERGY

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I used a BSDF for the MAT in the RAD along with GENDAYLIT to make an OCT which RIF made a FISH and an HDR showed the DGP was wayyy too high. Then the product of the VMX and the XML and the DMX and the SKV showed that 12% of PTS were over $ASE_{1000,250h}$, and the sDA was only 67% for 300 LUX of 50% of the year.

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So you need a light shelf.

BSDF, MAT, RAD, GENDAYLIT, OCT, RIF, FISH, HDR, DGP, VMX , XML, DMX, SKV, PTS, ASE, sDA...

BSDF, MAT, RAD, GENDAYLIT, OCT, RIF, FISH, HDR, DGP, VMX , XML, DMX, SKV, PTS, ASE, sDA...



DMA

BSDF, MAT, RAD, GENDAYLIT, OCT, RIF, FISH, HDR, DGP, VMX , XML, DMX, SKV, PTS, ASE, sDA...



Doesn't Mean Anything





Visualizing Visual Comfort: Imaging Logic for Design Decisions

How our office is currently using Radiance and High Dynamic Range Imaging to help our clients make good decisions.

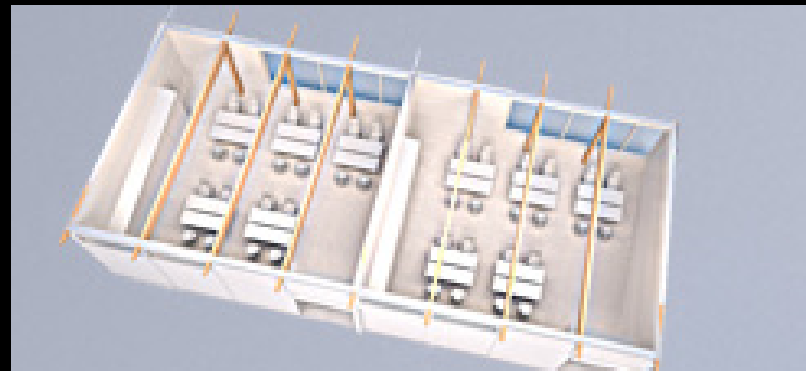
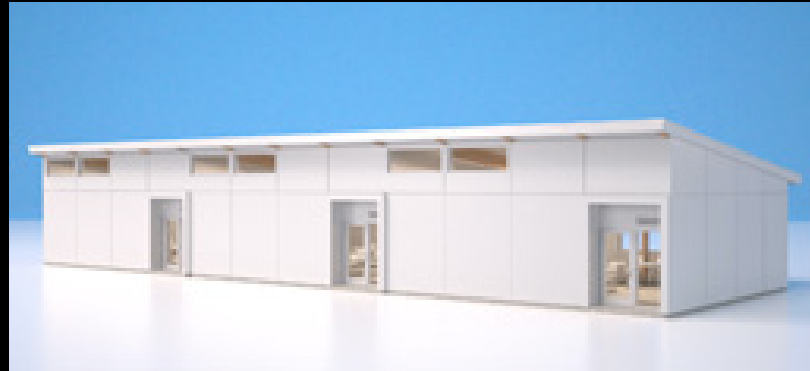
1. A Very Large Museum in the Desert.

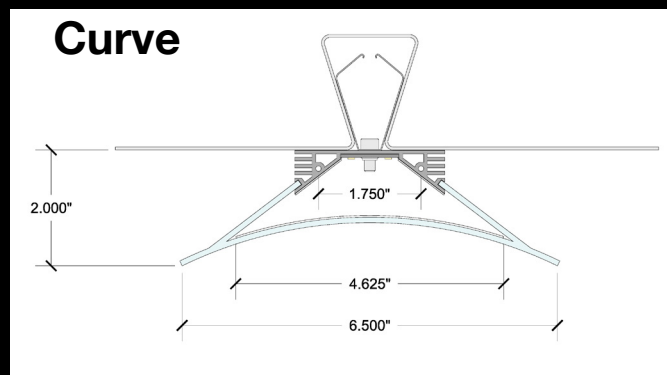
(contact Mike Martinez with questions about this project)
michael@coolshadow.com

2. Half a Million Square Feet and Whole Lot of Skylights.

(contact Mike Martinez with questions about this project)
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3. Custom LED Light Fixture.

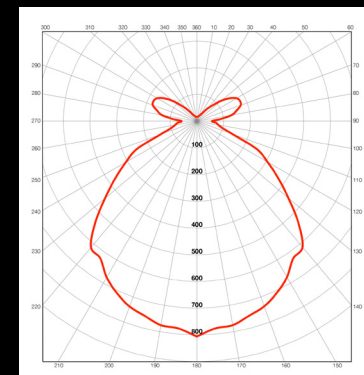




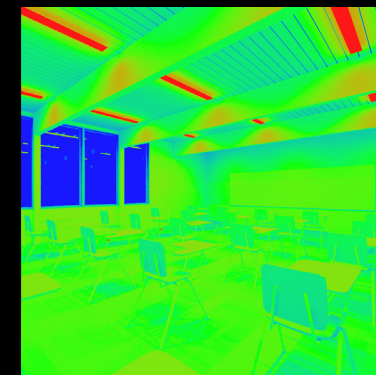
Design Option



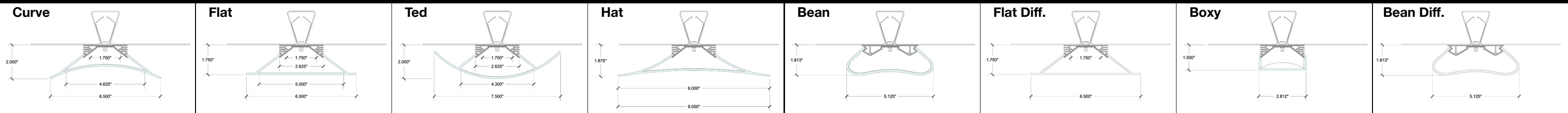
Photopia Simulation
(Forward Ray Tracing)

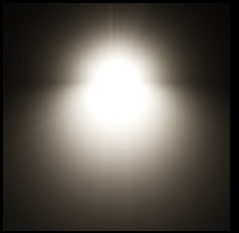
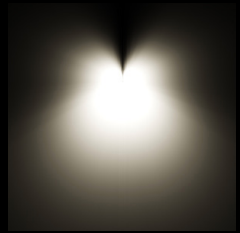
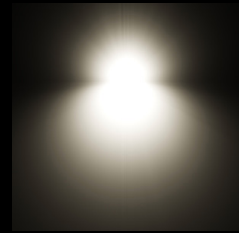
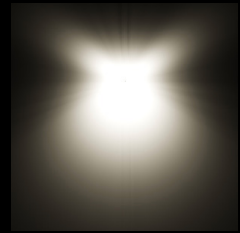
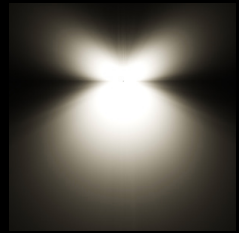
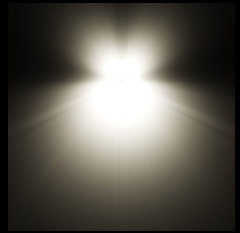
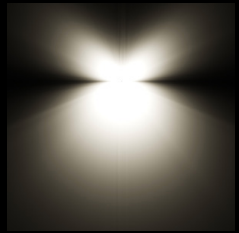


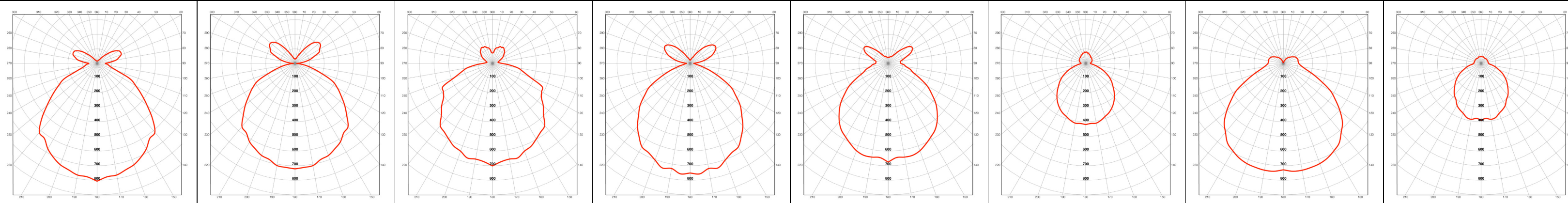
IES Description

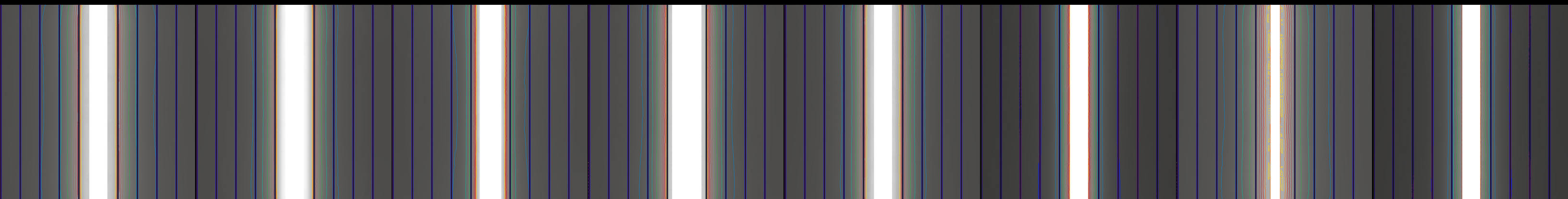
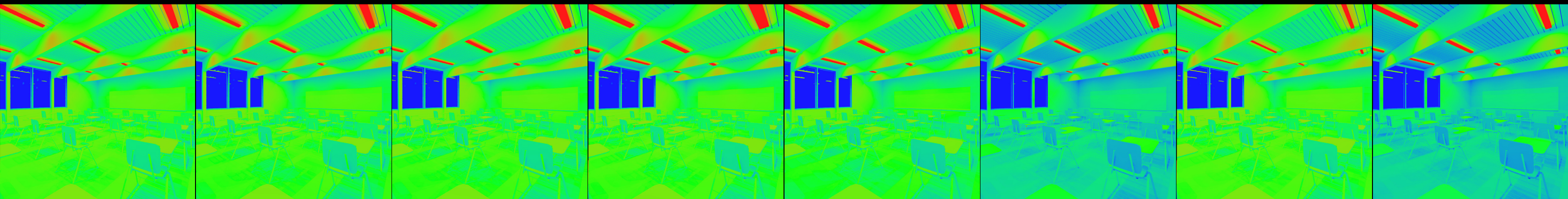
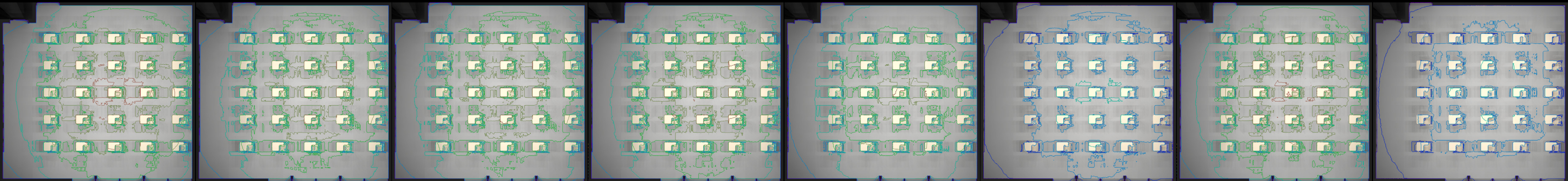


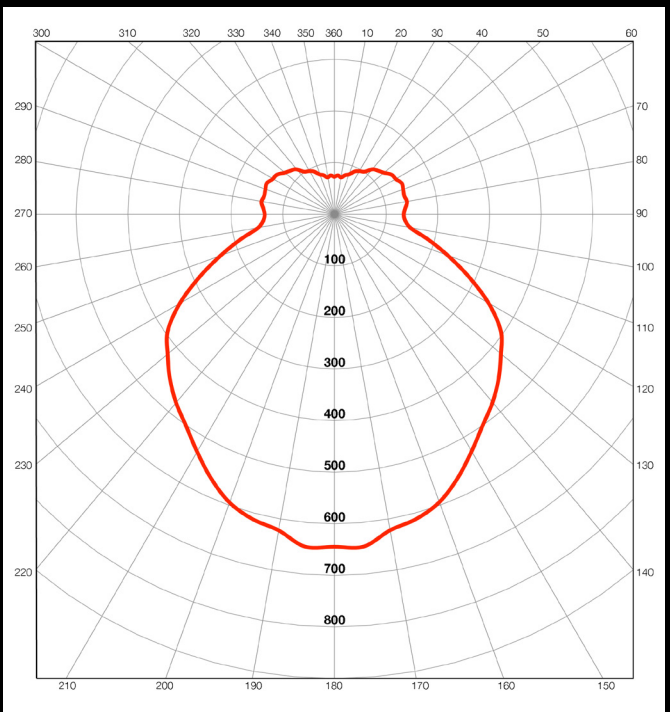
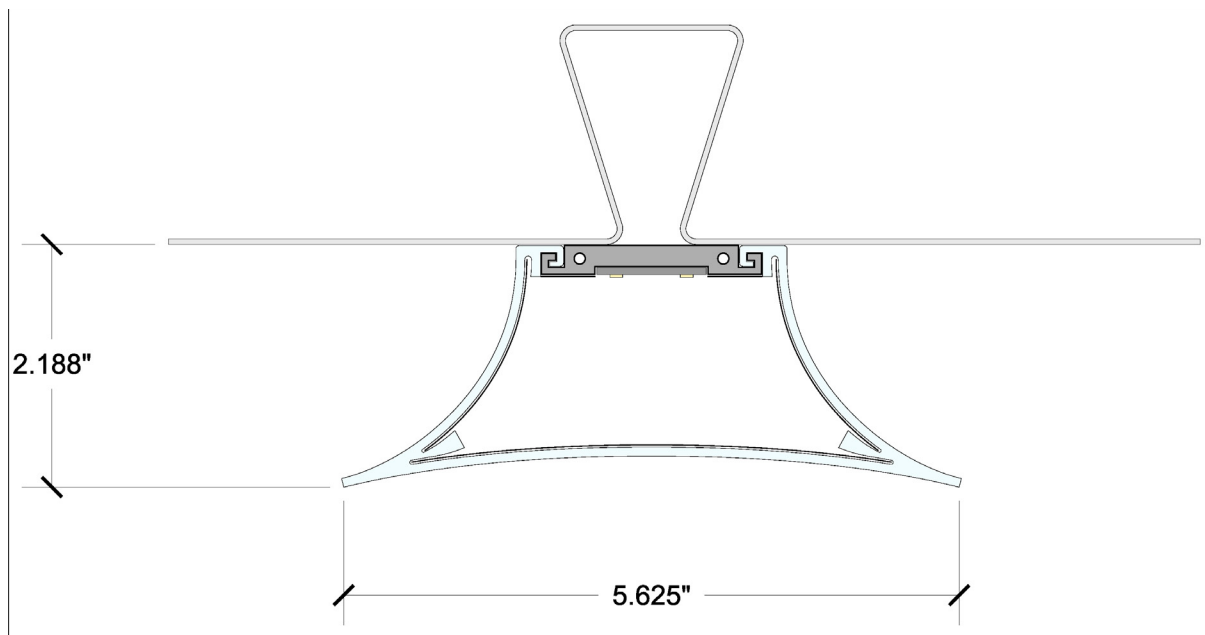
Radiance

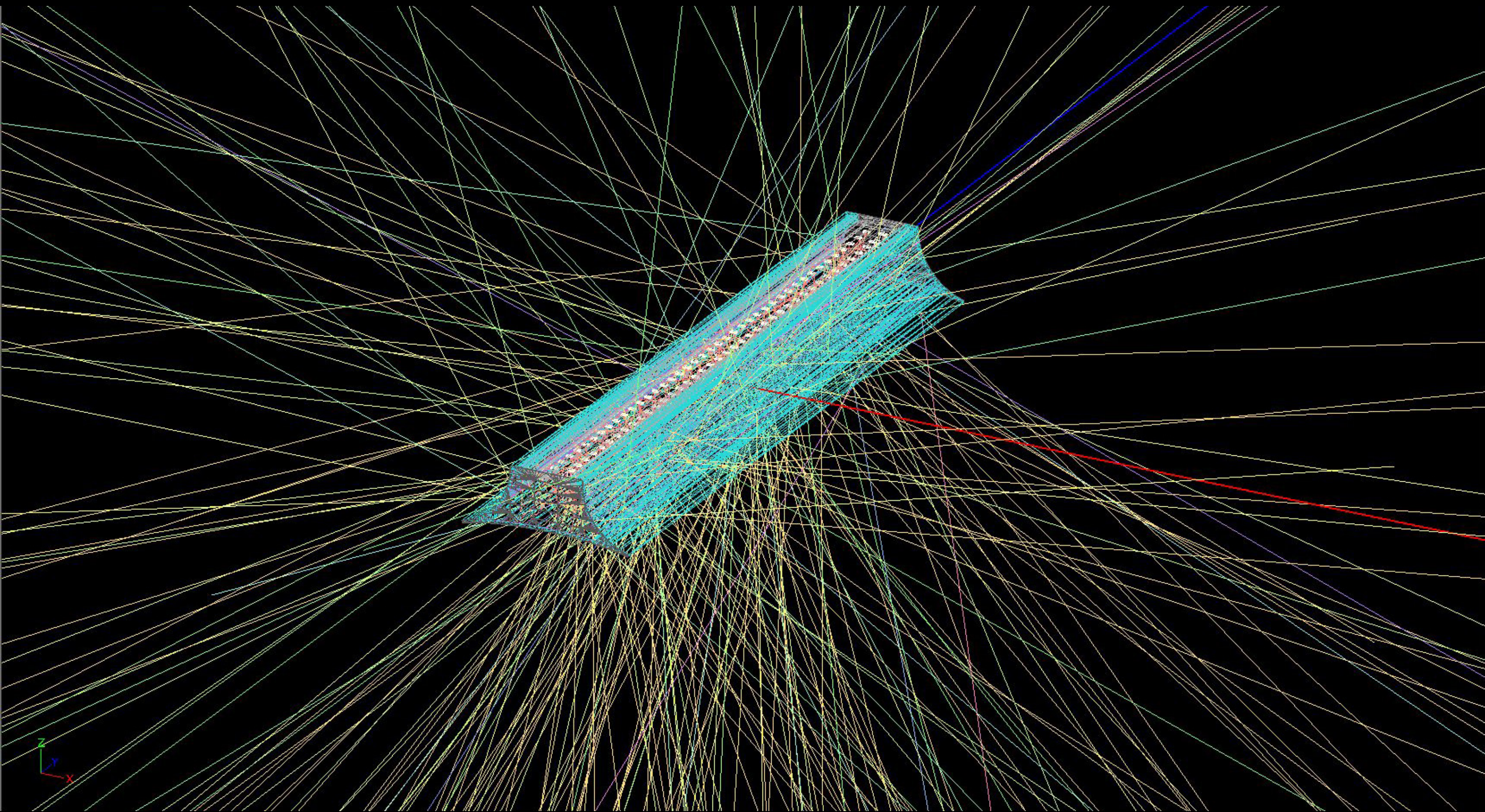


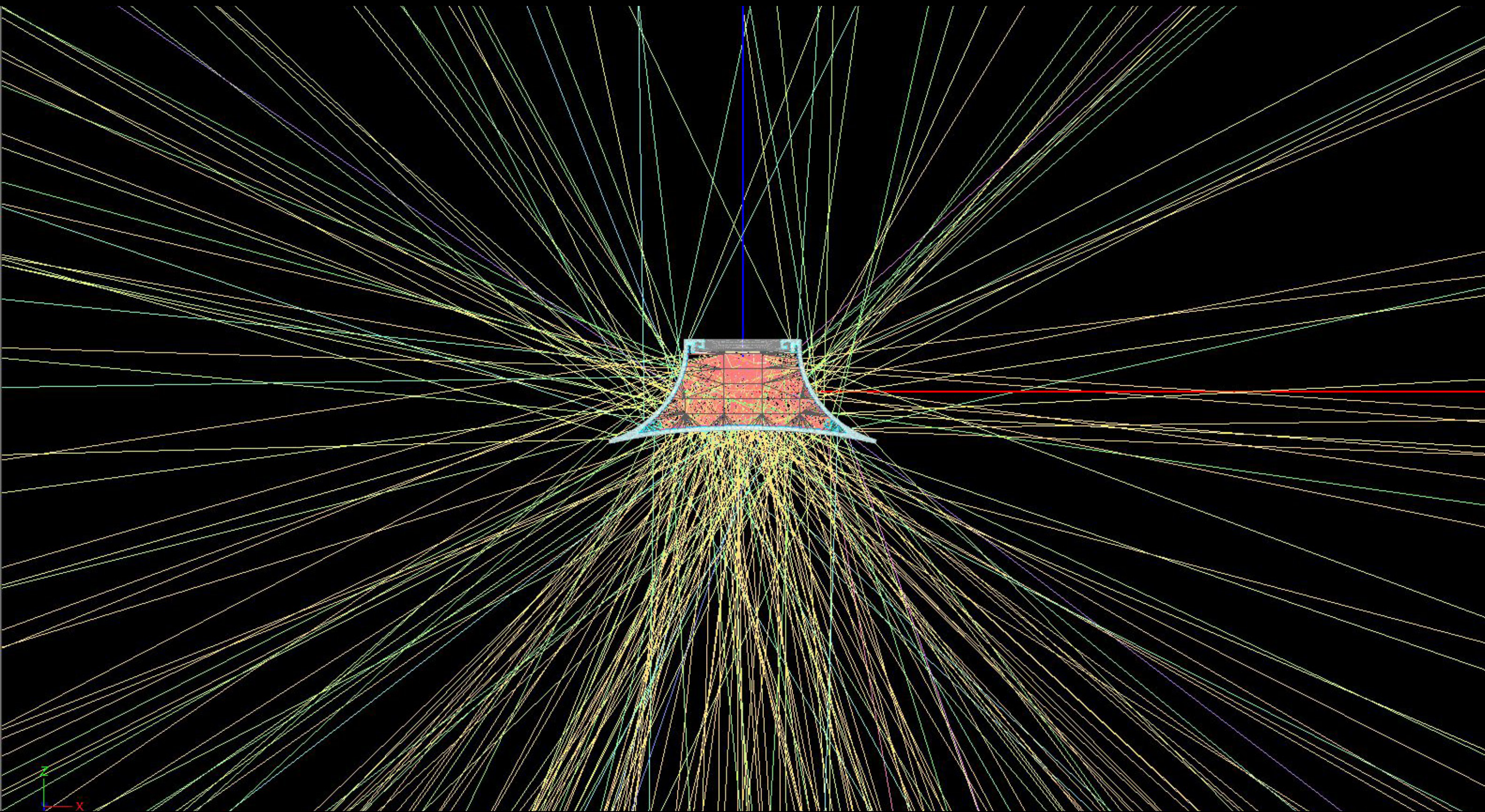


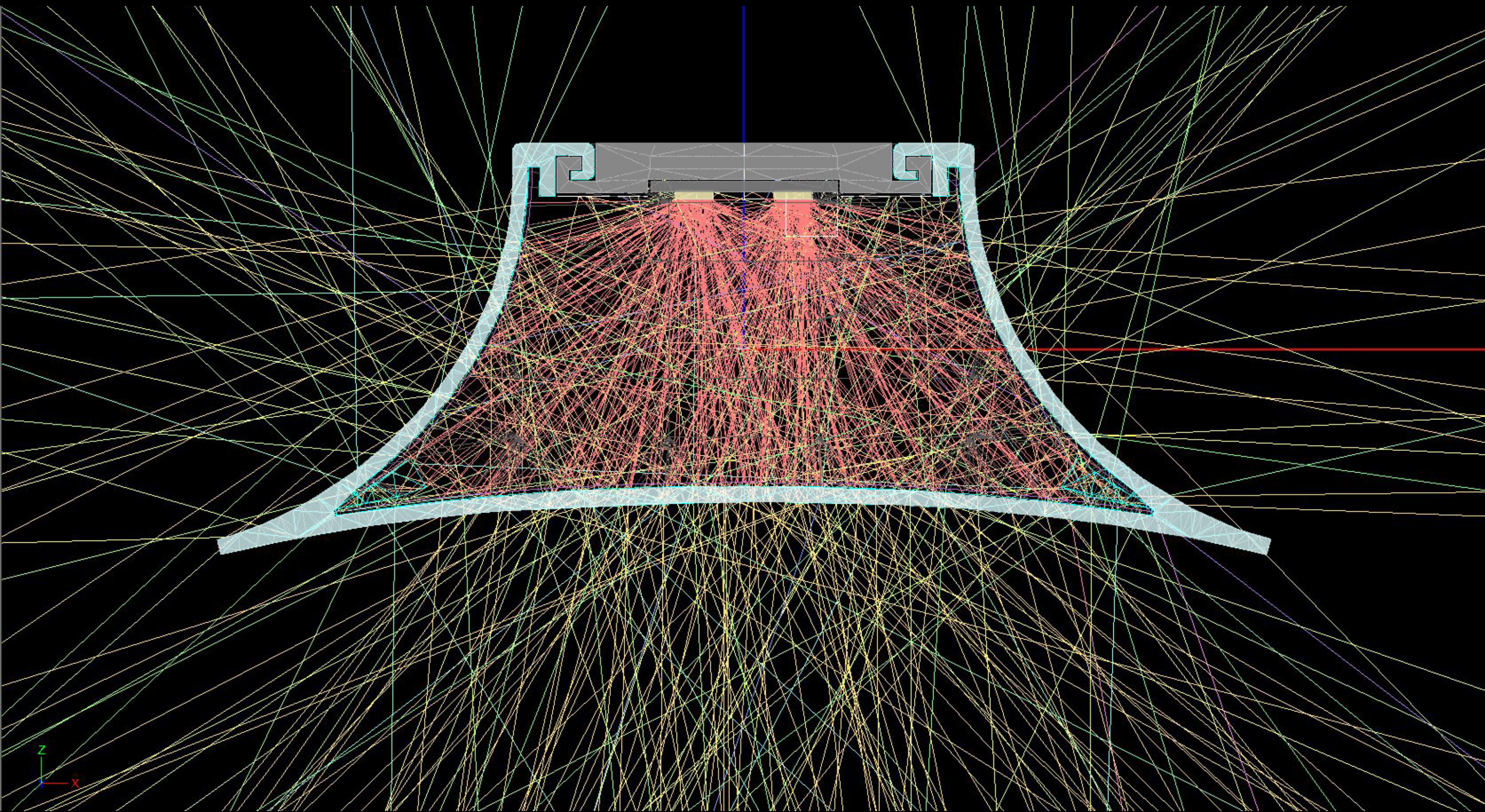






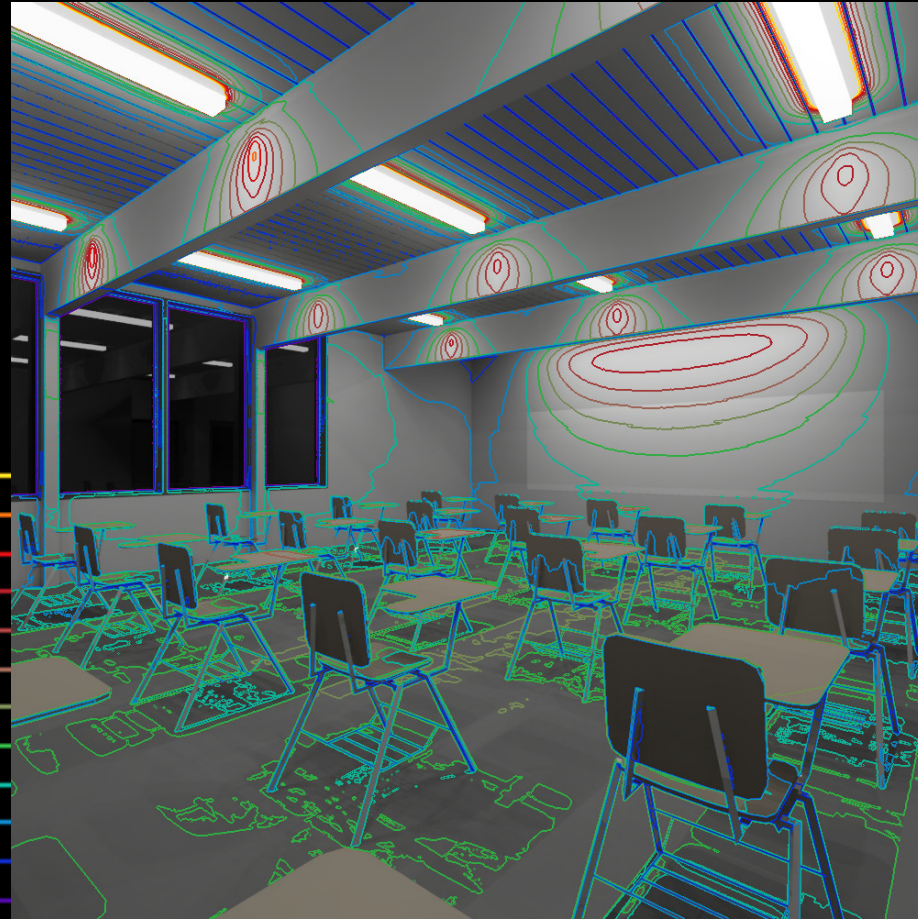






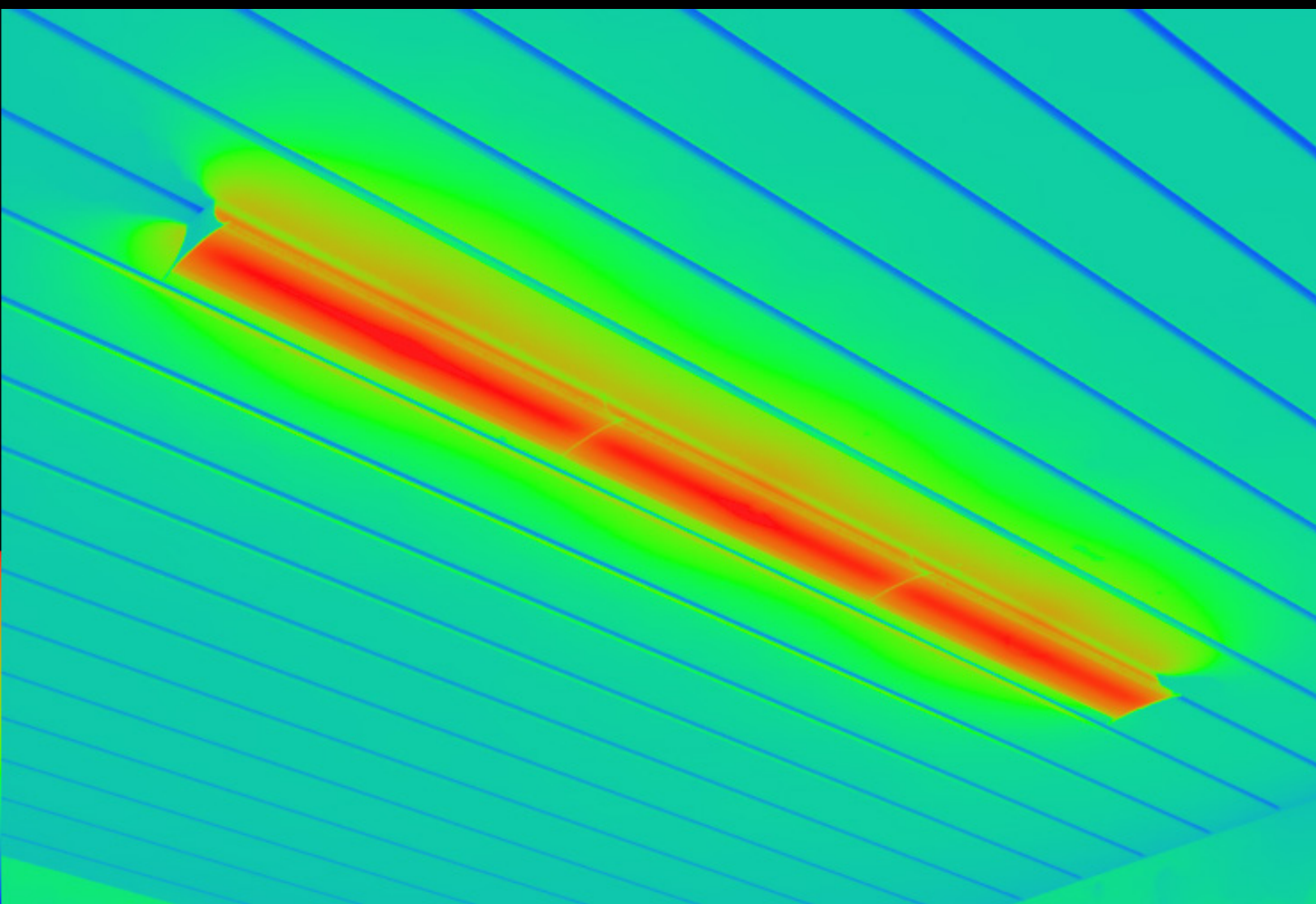


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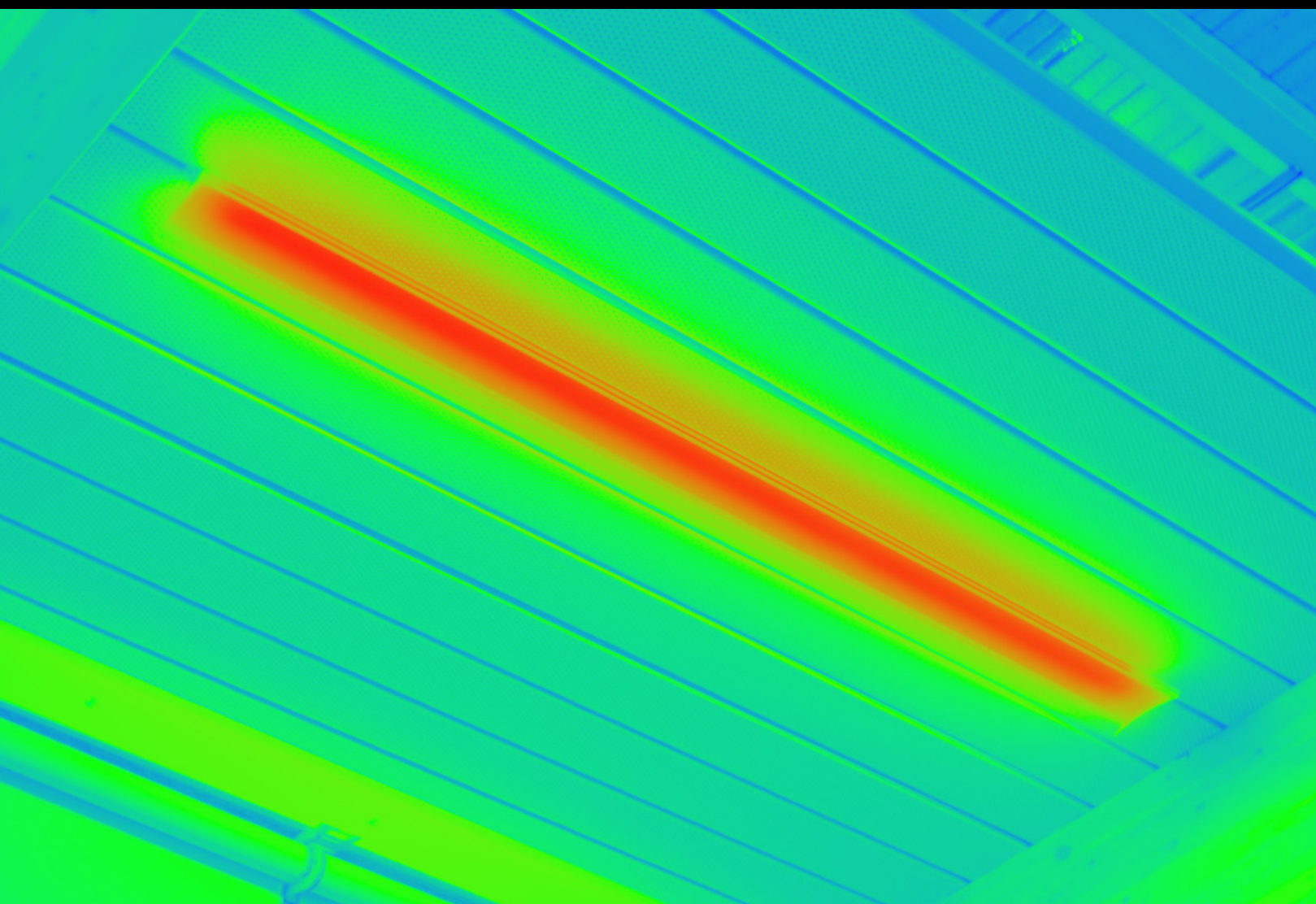


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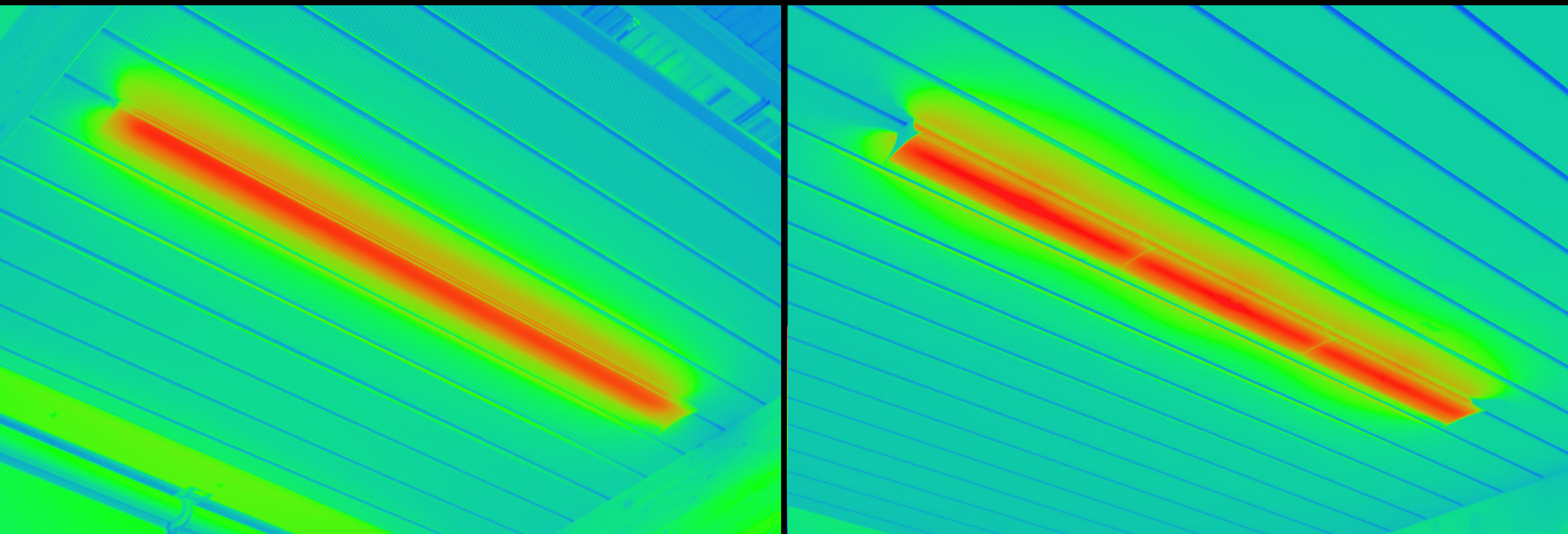




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