LucidShape Thermic Hot Spot Analysis for High Beam Headlamps

P   #020-1

F   2016
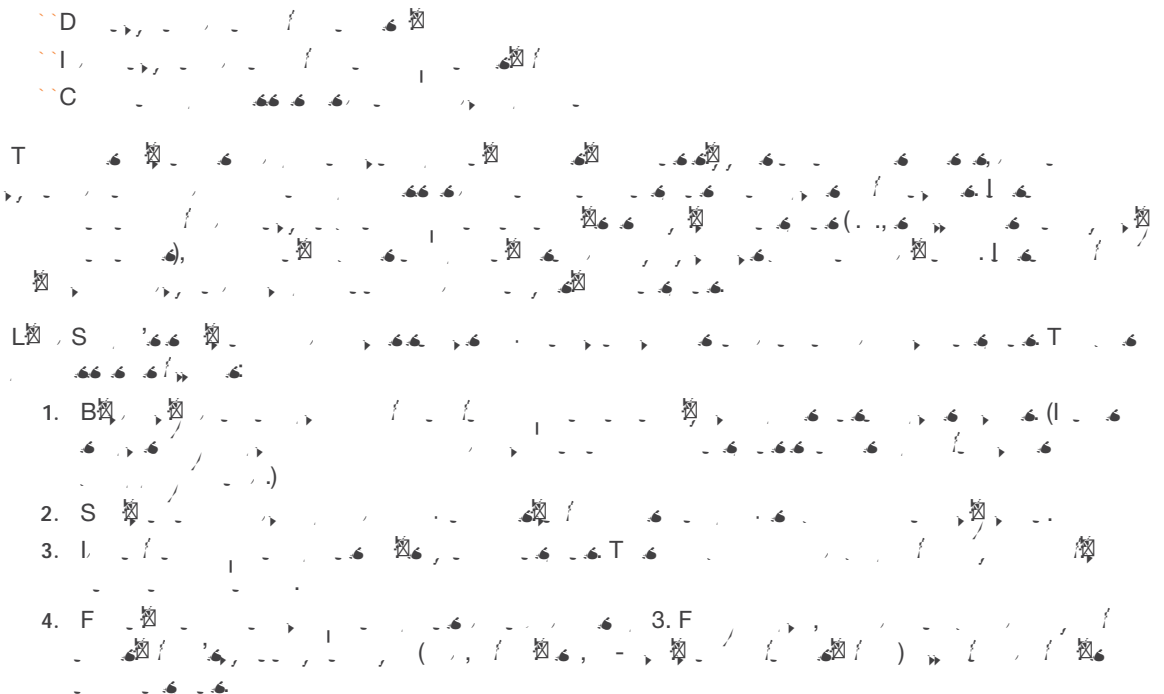
Author

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S

Abstract

® softwareGenerally, heat ow inside a headlamp cavity is in uenced by three sour
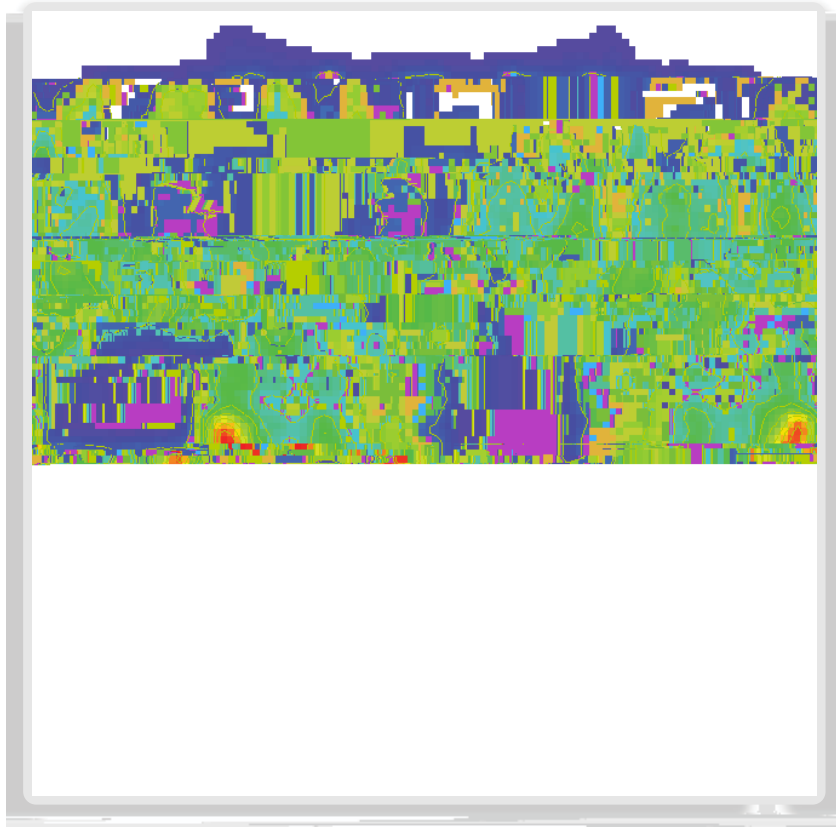
Hot Spot Analysis in Practice

H   ,   F, ⊠ 3,   ,, _   _   ▲   ╱ ▲   ⊠   _   .⊠ ╱   _ ,⊠ ▲ ▲   _   ▲ ▲⊠   ⊠ ▲   ▲ _
 ,   . ╱   ,   _   ,   357000, ⊠   ▲▲ , ▲ ⊠   ,   ⊠   _ ╱ ⊠_   .T ▲ _⊠   ▲ , ▲ ,   ╱
 ,   ▲ , _   ╱ , ,, _ _   ▲ ▲ ▲

Figure 3. Lux distribution at 80 mm in front of high beam reflector. Hot spots reside in the red regions.

A _   _   _   (F, ⊠   4) . ⊠ . ,   ╱ _ _ ▲ | _   _ ▲▲ ╱ , _ _   ,   _ ▲ ▲
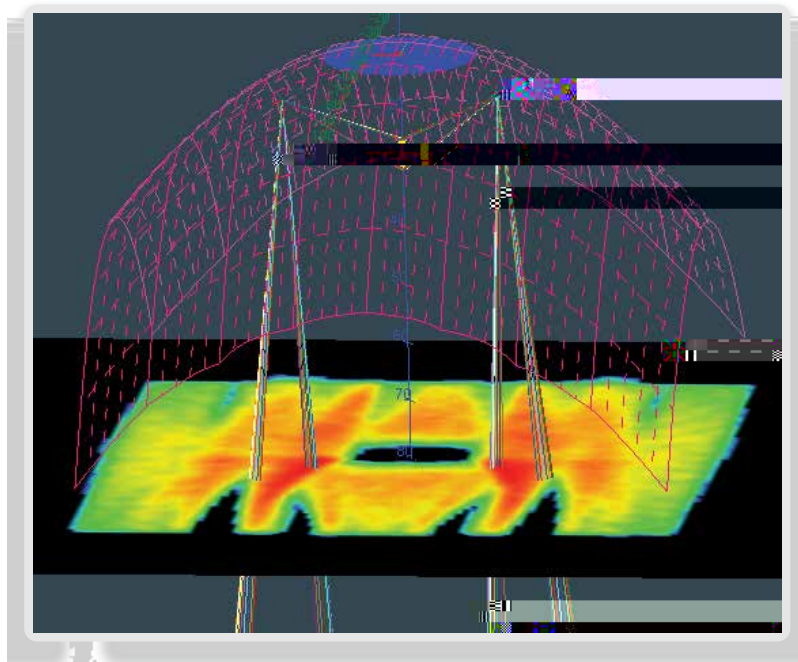
Figure 4. High Beam reflector with illuminated lux sensor (here in log scale) and interactive rays

I ... 3D .T ...

N ... .T ... .F, 5 ...
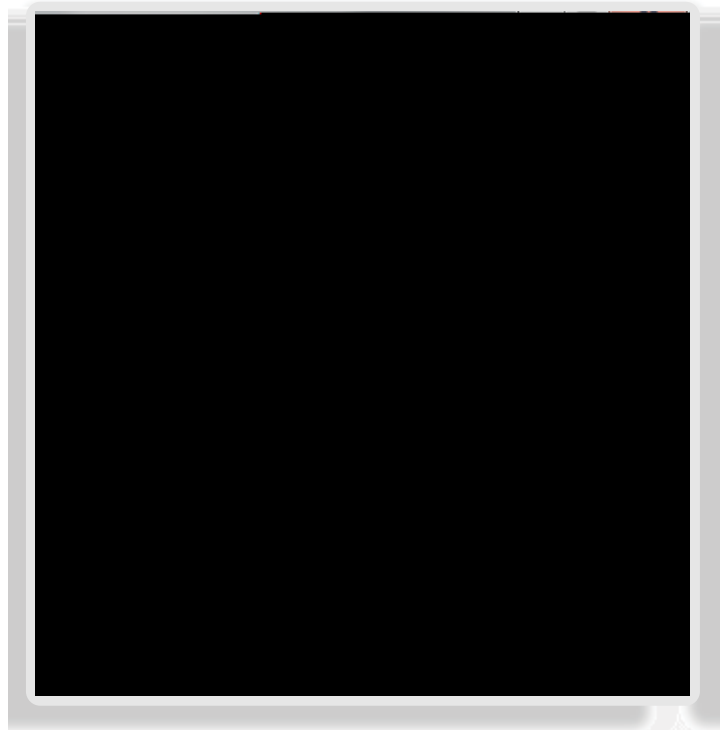
Figure 5. A critical surfaces construction dialog box

A ..., ..., -3,3 ..., ..., -9,9 . R ... (... 85, 25) ...
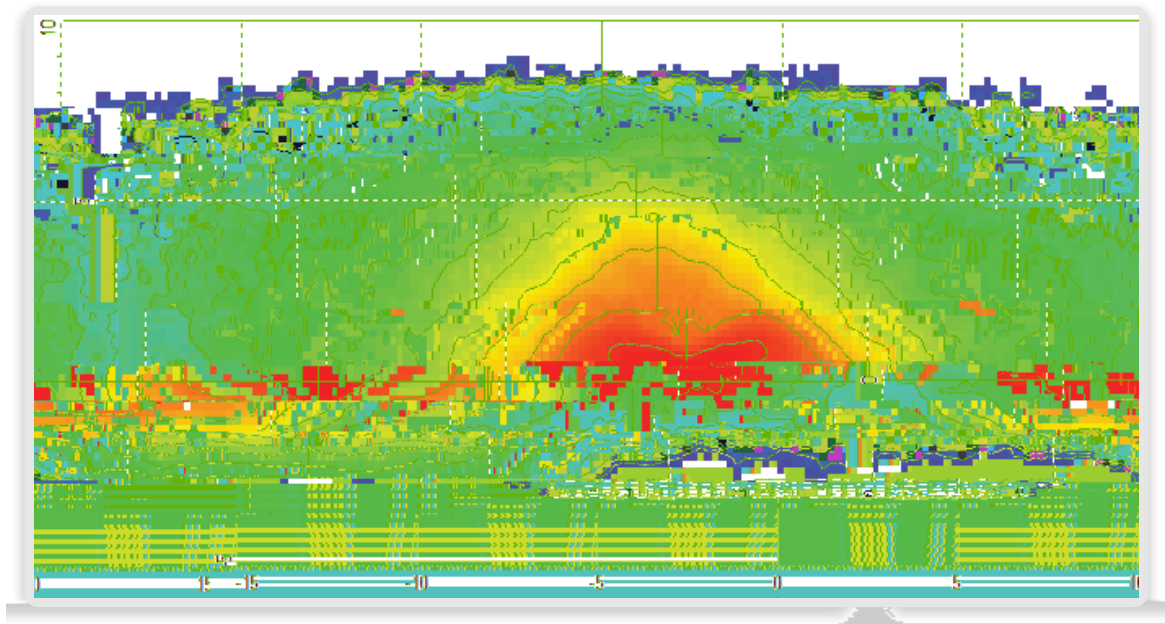
Figure 6. Candela distribution of de-focused high beam reflector
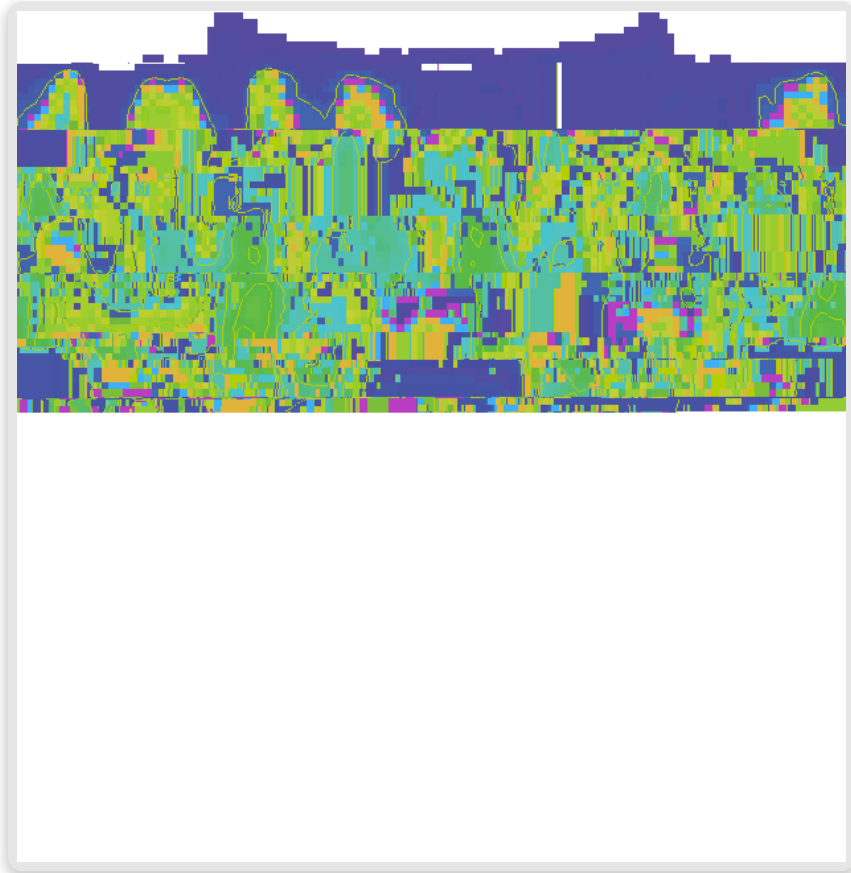
Figure 7. L... 80 ...

Conclusion

W... L... S... (...) ...U...

A...

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F... L... S..., S...O..., S,...
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