LIPIDS: Learning-based Illumination Planning In Discretized (Light) Space for Photometric Stereo (Supplementary)

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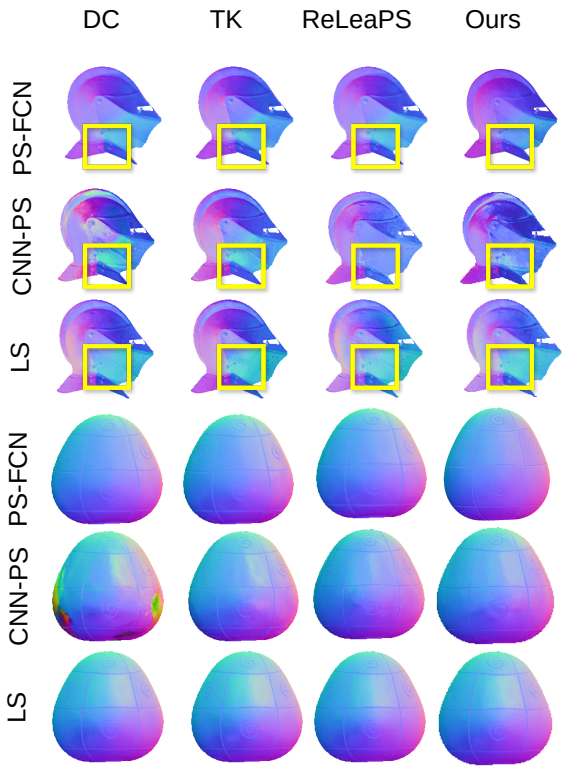

Figure 1. Qualitative comparison of variation of number of lights on the performance of different frameworks and different illumination planning methods over objects from Light Stage Data Gallery [2] and Gourd & Apple [1] datasets.

References

[1] Neil Alldrin, Todd Zickler, and David Kriegman. Photometric stereo with non-parametric and spatially-varying reflectance. In *2008 IEEE Conference on Computer Vision and Pattern Recognition*, pages 1–8. IEEE, 2008. 1

[2] Paul Debevec. Relighting human locomotion. In *ACM SIGGRAPH 2006 Computer animation festival*, pages 263–es. 2006. 1, 3

[3] Boxin Shi, Zhe Wu, Zhipeng Mo, Dinglong Duan, Sai-Kit Yeung, and Ping Tan. A benchmark dataset and evaluation for non-lambertian and uncalibrated photometric stereo. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, pages 3707–3716, 2016. 2, 4

Figure 2. Qualitative comparison of variation of number of lights on the performance of different frameworks and different illumination planning methods over objects from the DiLiGenT dataset [3]

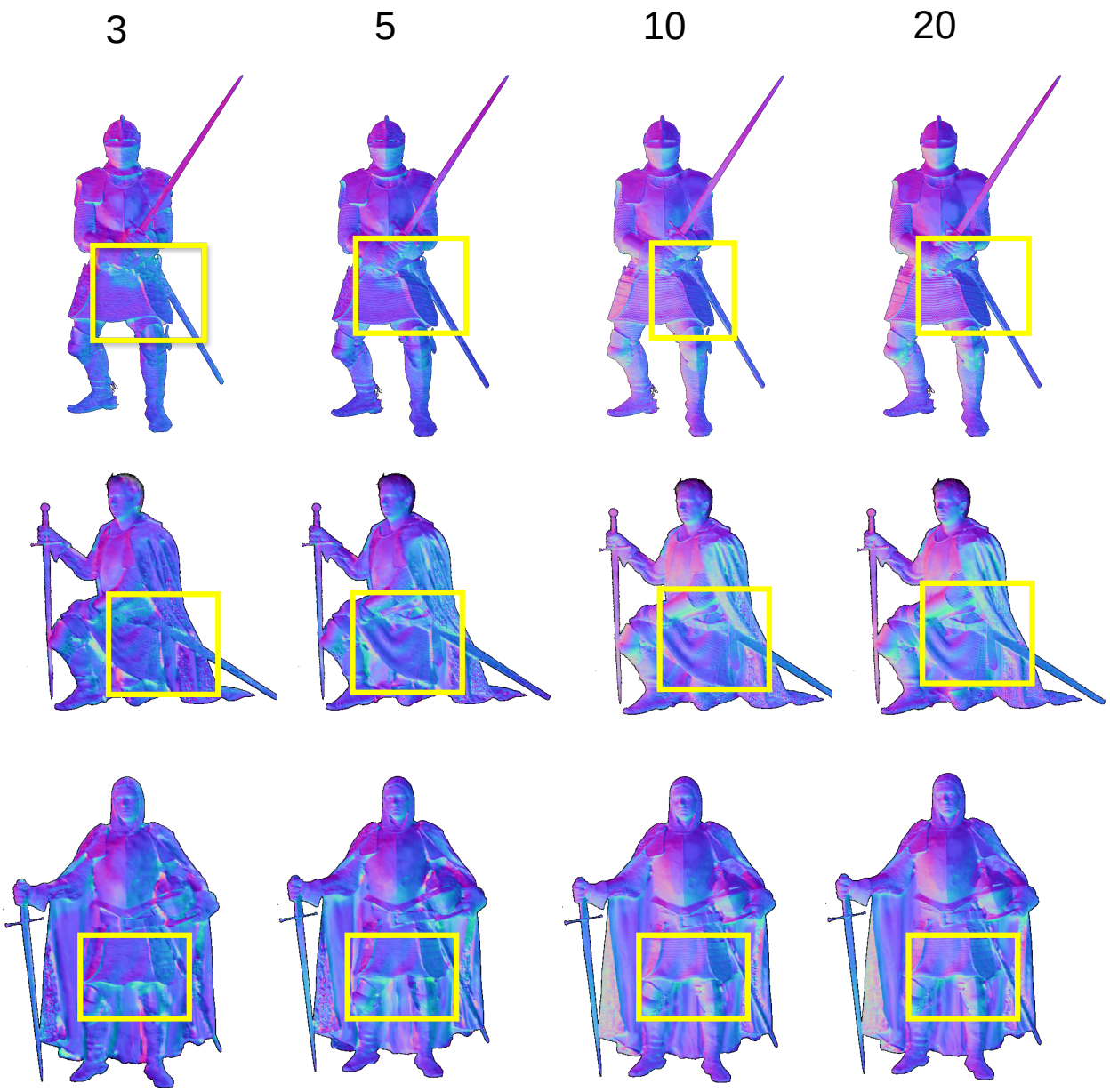

Figure 3. Qualitative comparison of variation of number of lights on the performance of LSNet + PS-FCN framework over objects from the Light Stage Data Gallery [2] dataset.

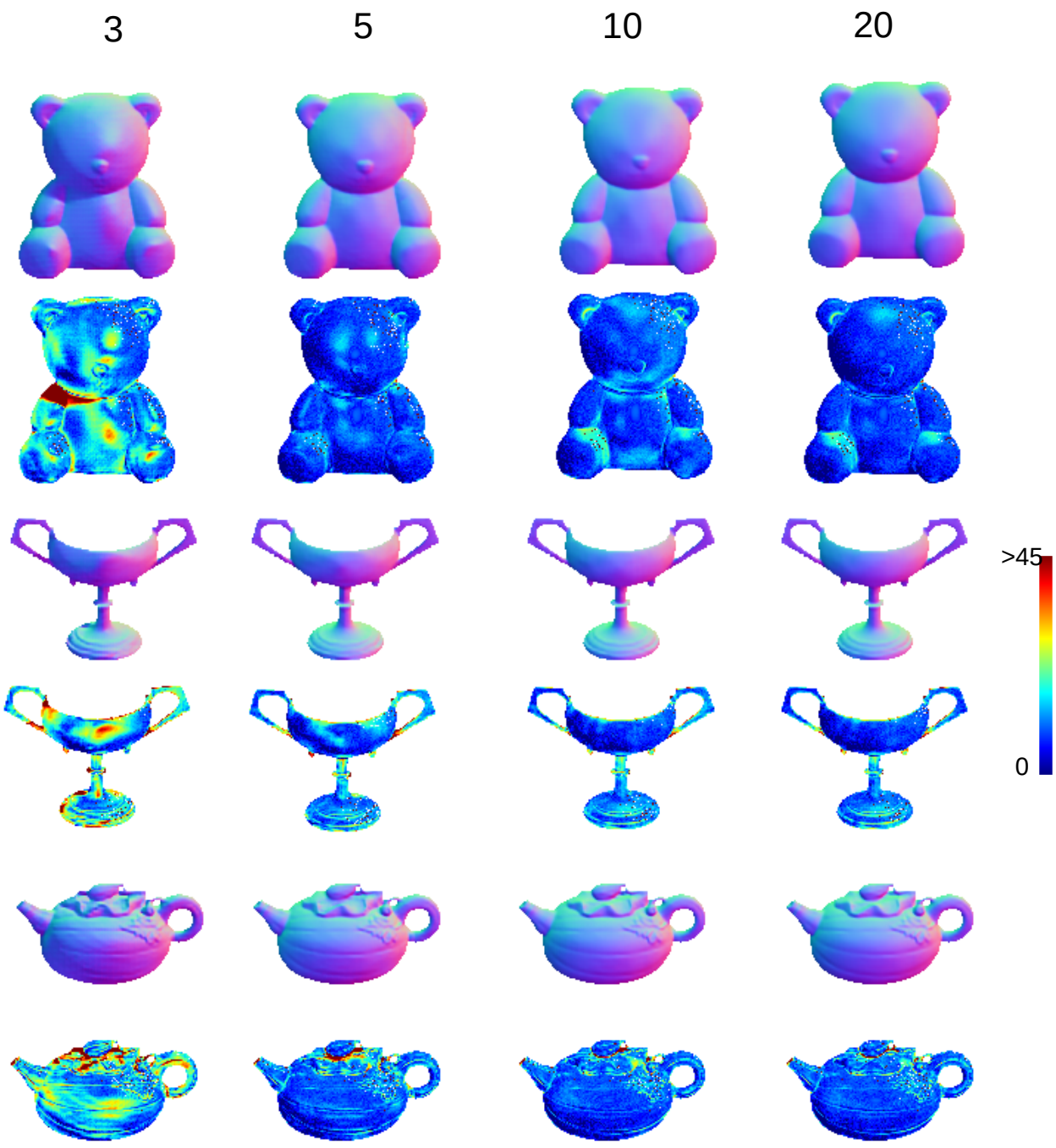

Figure 4. Qualitative comparison of variation of number of lights on the performance of LSNet + PS-FCN framework over objects from the DiLiGenT [3] dataset.