



SUMMARY

The objectives of marine lighting are to provide adequate illuminance for the safety and well-being of crew and to enhance the performance of various tasks encountered aboard vessels. Specific lighting criteria in the spaces normally occupied in marine applications can be found in the ABS HAB Guides (2012, 2012, and 2013) and IESNA *Recommended Practice for Marine Lighting* (RP-12-97). The lighting levels are based on the need for safety, and on functional and other characteristics of the areas concerned. Values listed in the ABS HAB Guides represent minimum maintained illuminance and are for new lamps. Where human factors data exists, with regard to recommended lighting levels, these values are provided in the ABS HAB Guides (2012, 2012, and 2013). It is strongly recommended that these values be adhered to; in order to facilitate efficient and safe task performance above and beyond the minimum required lighting levels.

REFERENCES

- ABS. Guidance Notes on the Application of Ergonomics to Marine Systems. Houston, TX. March, 2013.
- ABS. Guide to Crew Habitability on Ships. ABS: Houston, Texas. 2012.
- ABS. Guide to Crew Habitability on Workboats. ABS: Houston, Texas. 2012.
- IESNA *Recommended Practice for Marine Lighting* (RP-12-97).
- Sanders, M. and McCormick, E. (1993). *Human Factors in Engineering and Design*, 7th Ed. McGraw Hill, Inc. New York.
- van Bommel, W., van de Beld, G., and van Ooyen, M. (2002), *Industrial Lighting and Productivity*, Philips Lighting, The Netherlands.