



## See the Light: NCARB's Upcoming Monograph Explores Daylighting

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Perhaps one of the most striking and memorable characteristics of a well-wrought structure is its use of lighting. The iconic Le Corbusier once explained, "I use light abundantly, as you may have suspected; light for me is the fundamental basis of architecture. I compose with light."

NCARB's newest monograph, *Daylighting Performance and Design*, explores the fascinating characteristics of daylighting, an integral component of sustainable design and green buildings. The careful integration of daylighting also can positively affect productivity and performance among human occupants.

Successful daylighting, however, "is more than simply adding large windows or skylights," explains monograph author Gregg D. Ander, FAIA. He continues, "It involves thoughtful integration of design strategies, which address heat gains, glare, variations in light availability, and direct-beam penetration into a building."

### A PRIMER ON LIGHTING

Comprising six chapters, *Daylighting Performance and Design* begins with an in-depth look at five design fundamentals of daylighting: issues, variables, strategies, elements, and options. Subsequent chapters discuss occupant productivity and performance, glazing properties, and integration with electric lighting. A section on daylighting design tools offers a comprehensive introduction to related computer programs (RADIANCE, SUPERLITE, and DOE2) as well as a number of useful worksheets that can be applied to different design scenarios.

### RESOURCES AUGMENT PRIMARY CONTENT

The monograph offers several resources, including a final chapter devoted to case studies, which are broadly organized into retail, office buildings, industrial, and institutional categories. Among the highlighted structures are a Low-energy Stop & Shop Super Store in Foxboro, Massachusetts; Nike's European headquarters in Hilversum, The Netherlands; and an art studio addition

at Evergreen State College in Olympia, Washington.

Eight technical appendices close out the monograph and cover such topics as daylighting feasibility worksheets and data, glazing materials properties, and daylighting design web resources. A comprehensive glossary, annotated bibliography, and user-friendly index also are provided.

With more than 175 figures, including a wide range of illustrations, graphs, and charts, the monograph provides "explanations at a glance" for busy readers.

### EARN CEU'S IN HEALTH, SAFETY, AND WELFARE

NCARB's monograph series has been created as a convenient, low-cost continuing education resource for architects and other design professionals. Current NCARB Council Record holders can earn CEU's in health, safety, and welfare for less than \$15 per unit. Payment covers the monograph, quiz, scoring process, and one free retest if needed. NCARB also reports passing scores to the American Institute of Architects at no extra cost.

Those who successfully complete the *Daylighting Performance and Design* quiz will earn **XX** CEU's in health, safety, and welfare. A full listing of NCARB monograph titles is available on the back cover. Visit NCARB's secure web site ([www.ncarb.org](http://www.ncarb.org)) to order a monograph quickly and easily.

*Gregg D. Ander, FAIA, is the chief architect of Southern California Edison. Ander has written more than 70 articles on technical and design related matters; he also is an instructor of advanced environmental controls in the Department of Architecture at California State Polytechnic University, Pomona. The second edition of Daylighting Performance and Design was originally published by John Wiley & Sons, Inc., in 2003. DC*