



Heating, Cooling, Lighting: Design Methods for Architects

By Lechner, Norbert

Wiley, 2000. Book Condition: New. Brand New, Unread Copy in

Perfect Condition. A+ Customer Service! Summary:

Foreword.Preface.Acknowledgments.Heating, Cooling, and Lighting as Form-Givers in Architecture.Sustainable Design.Basic Principles.Thermal Comfort.Climate.Solar Geometry.Passive Solar.Photovoltaics and Active Solar.Shading.Passive Cooling.Site Design and Community

Planning.Lighting.Daylighting.Electric Lighting.The Thermal Envelope: Keeping Warm and Staying Cool.Mechanical

Equipment for Heating and Cooling.Case Studies.Appendix A: Horizontal Sun-Path Diagrams.Appendix B: Vertical Sun-Path

Diagrams.Appendix C: Sun Machine.Appendix D: Methods for Estimating the Height of Trees, Buildings, Etc.Appendix E:

Sundials.Appendix F: Sun-Path Models.Appendix G: Computer Software Useful for the Schematic Design Stage.Appendix H: Site

Evaluation Tools.Appendix I: Educational Opportunities in Energy-Conscious Design.Appendix J: Resources (Books, Journals, Videos, and Organizations).Bibliography.Index.



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Reviews

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