CONTENTS

CONTENTS (Cont')

LIST OF TABLES

LIST OF FIGURES

LIST OF FIGURES (Cont')

LIST OF ABBREVIATIONS AND SYMBOLS

ζ	Angular distance between the sky patch and the sun.
τ	Transmittance of window glazing,
A	The total area of the atrium surfaces: roof, floor, walls and window (m^2).
A_s	The total area (m^2) of the room surface: ceiling, floor, walls and window, including those to the atrium
A_w	The net area of the glazing between the space and the atrium (m^2).
CIE	The Commission Internationale de l'Eclairage
DF	Daylight Factor
DF_{av}	The average daylight factor on the base of the atrium
DF_{avs}	The atrium to the average daylight factor in the adjoining space
DF_{sav}	The average daylight factor over all the atrium surfaces
DF_v	The daylight factor on the vertical center line of a rectangular atrium
EXP	Experiment
IDMP	International Daylight Measurement Program
IEA	International Energy Agency
$L(\gamma, \phi, \zeta)$	Luminance of the sky at the given position,
lx.	Lux
m.	Meter
NI	National Instrument
θ	The angle of visible sky in degrees
R	The average reflectance of these surfaces
Ref.	Reflectance
R_s	The average reflectance of the room
SAR	Section-to-Aspect Ratio
SIM	Simulation
T_f	A factor to allow for light blocked by the atrium roof structure
T_g	The diffuse visible transmittance of the glazing
T_s	The diffuse visible transmittance of this glazing
w	The area of the atrium roof aperture (m^2)
WI	Well Index

LIST OF ABBREVIATIONS AND SYMBOLS (Cont')

γ and ϕ	Angles that relate the point and the position of the sky patch
E_{gloH}, E_{hg}	Global horizontal illuminance (lx)
E_{sky}, E_{hd}	Diffuse horizontal illuminance (lx)
E_{sunN}, E_{bn}	Beam normal illuminance (lx)