

SMAI SI-UCHIN : INTERIOR DAYLIGHTING DESIGN BY CIE METHOD  
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This study was to develop microcomputer program for building design or horizontal interior daylighting design by CIE method. Additionally, the developing and modifying on CIE data for vertical interior daylighting calculation in building has vertical window in one wall.

The result of this study, microcomputer program can be used for building design or interior daylighting design by finding minimum horizontal illuminance at reference point for vertical window building and, at the same time, average vertical illuminance on the wall opposite the vertical window wall, and average horizontal illuminance on reference plane for building has skylight roof, sawtooth roof, monitor roof, combination of skylight and sawtooth roof, and combination of skylight and monitor roof also, including the effect of overhang and louver for vertical window building, finding width of window for vertical window in one wall or amount of aperture for skylight roof at required illuminance.

For finding the average vertical illuminance on the wall opposite the vertical window wall, it was checked by calculate illuminance at each point on the wall by Surface Radiator method and finding the average illuminance which the result is nearly the same.