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Simulation Study on Light Pollution Characteristics of Glass Curtain Wall

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Abstract: According to the theory of sunshine and space geometry, the characteristics of light pollution of glass curtain wall are calculated and analyzed. The results show that the light pollution of glass curtain wall toward the south occurred in the winter solstice and equinoxes , winter solstice to secondary pollution, long duration; equinox to slight grades, short duration; the glass walls toward the north throughout the year without light pollution; other toward the glass curtain wall light pollution all the year round, winter solstice mainly in the south to east toward, the equinoxes heading south to northeast, the summer solstice in southern and Northern Dynasties outward all towards; light pollution duration was affected by impact towards the, winter solstice, equinox and solstice small. Light pollution affects the size of the region, the location of the change, the winter solstice, the spring and autumn and summer ease and stability.

Key words: Glass curtain wall; Light pollution; Characteristics study

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