Contents

	Preface Changes in the Code		viii viii
Part 1	Visu	Jal effects of lighting Introduction to the visual effects of lighting	1
	1.2 1.2.1 1.2.2 1.2.3	Daylight and electric light Providing a view Increasing general room brightness Illumination for task performance	2 3 3 4
	1.3 1.3.1 1.3.2 1.3.3	Lighting levels Task performance Satisfaction Appearance	5 5 6 7
	1.4 1.4.1 1.4.2 1.4.3 1.4.4 1.4.5	Variation in lighting Illuminance variation: definition Spatial variation of illuminance in working locations Illuminance variation in non-task locations Illuminance, luminance and brightness Luminance in the visual field Adaptation	8 9 9 10 10
	1.5 1.5.1 1.5.2 1.5.3 1.5.4	Glare Disability glare Discomfort glare from electric lighting Discomfort glare from windows Veiling reflections	12 12 13 14
	1.6 1.6.1 1.6.2 1.6.3	Directional qualities and modelling Revealing form Revealing texture Display lighting	15 16 18 19
	1.7 1.7.1 1.7.2 1.7.3	Surfaces Surface reflectances Surface colours Object colours	19 19 22 24
	1.8 1.8.1 1.8.2	Light source radiation Apparent colour of emitted light Colour rendering	24 25 25
29	1.9 17	Light modulation	25
Part 2	Recommendations 2.1 Introduction		28 28
	2.2 2.2.1 2.2.2	Recommendations for daylighting Daylight for general room lighting Daylight for task illumination	28 28 29
	2.3	Recommendations for electric lighting with daylighting	29