Table 3.5 Luminaire categories and a list of typical locations where the various environmental conditions may be found

Category	Description
A	Bare lamp batten
B	Open top reflector (ventilated self-cleaning)
C	Closed top reflector (unventilated)
D	Enclosed (IP2X)
E	Dustproof (IP5X)
F	Indirect uplighter

Environment	Typical locations
Clean (C)	Clean rooms, computer centres, electronic assembly, hospitals
Normal (N)	Offices, shops, schools, laboratories, restaurants, warehouses, assembly workshops
Dirty (D)	Steelworks, chemical works, foundries, welding, polishing, woodwork areas

Table 3.6 Typical changes in light output from a luminaire caused by dirt deposition, for a number of luminaire and environment categories

Time between cleaning (years)	0.5			1.0			1.5		
Environment	C	N	D	C	N	D	C	N	D
Luminaire category									
A	0.95	0.92	0.88	0.93	0.89	0.83	0.91	0.87	0.80
B	0.95	0.91	0.88	0.90	0.86	0.83	0.87	0.83	0.79
C	0.93	0.89	0.83	0.89	0.81	0.72	0.84	0.74	0.64
D	0.92	0.87	0.83	0.88	0.82	0.77	0.85	0.79	0.73
E	0.96	0.93	0.91	0.94	0.90	0.86	0.92	0.88	0.83
F	0.92	0.89	0.85	0.86	0.81	0.74	0.81	0.73	0.65

Time between cleaning (years)	2.0			2.5			3.0		
Environment	C	N	D	C	N	D	C	N	D
Luminaire category									
A	0.89	0.84	0.78	0.87	0.82	0.75	0.85	0.79	0.80
B	0.84	0.80	0.75	0.82	0.76	0.71	0.79	0.74	0.79
C	0.80	0.69	0.59	0.77	0.64	0.54	0.74	0.61	0.64
D	0.83	0.77	0.71	0.81	0.75	0.68	0.79	0.73	0.73
E	0.91	0.86	0.81	0.90	0.85	0.80	0.90	0.84	0.83
F	0.77	0.66	0.57	0.73	0.60	0.51	0.70	0.55	0.65

3.8.2.3 Room surface maintenance factor (RSMF)

Changes in room surface reflectance caused by dirt deposition will cause changes in the illuminance produced by the lighting installation. The magnitude of these changes is governed by the extent of dirt deposition and the importance of inter-reflection to the illuminance produced. Inter-reflection is closely related to the