LDA Lighting Calculation 04 - Typical Highways in cd/m²

Road/Area Type	Calculated Area	Page	Luminaire	Luminaire option	Power	Pole height	Distance	DMA Requirement	Calculated Values		
					[W]	[m]	[m]		L_{av} [cd/m²]	L_{min} [cd/m²]	L_{min}/L_{av}
Typical 5 Lane Highway	Travel Lanes 5x3,3m		Typical Street LED Luminaire	5° tilted, median triple	296	20	52	Freeways & Expressways L_{av} = **1,5 cd/m²** | L_{min}/L_{av} = **0,4**	1,49	**0,68**	0,46
Typical 5 Lane Highway	Emergency Lane 3,3m							Access Lanes L_{av} = **0,5 cd/m²** | L_{min}/L_{av} = **0,4**	0,79	**0,52**	0,66

Table 29
Table of results for a typical highway lighting layout, showing conformity with DMA Lighting Specifications, results provided by DIALux in cd/m².

3.3.2 Sample of a Street Lighting Calculation for a typical Boulevard Layout

Figure 192
3D Rendering of a typical boulevard street lighting layout.