Project

DIAL**ux**

LOCAL · LOCAL
Luminaire list

Φ_{total}	P_{total}	Luminous efficacy
45889 lm	387.5 W	118.4 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	Philips	91140180 3487	SM155C 26S/830_840 WIA TW3 PI5 L602	20.5 W	2600 lm	126.8 lm/W
1	Philips	91140180 6080	DN145B LED10S/840 PSU II WH	11.0 W	1100 lm	100.0 lm/W
11	Philips	RC340BI-e76b8250-7727-4c1d-beff-746de4b5 7696	RC342B LED36S/930 SRD O W62L62	30.5 W	3599 lm	118.0 lm/W

DIALux

LOCAL · LOCAL
Control group CG 1

DIA**Lux**
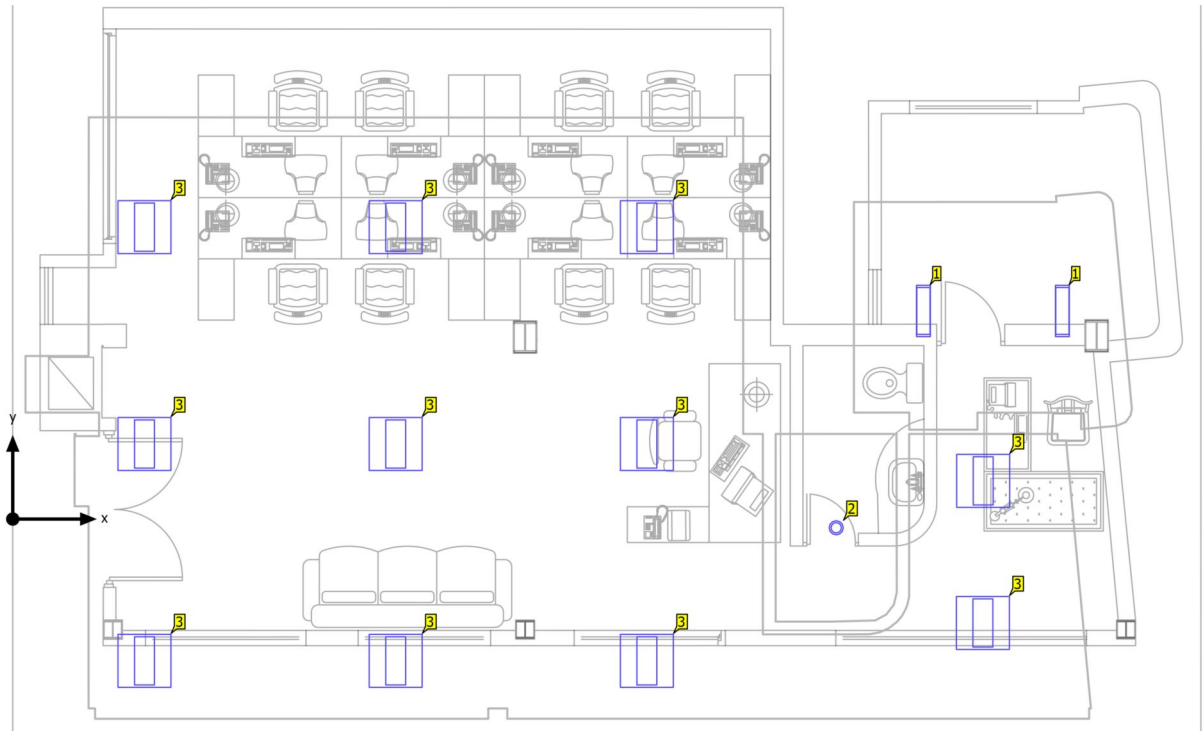
LOCAL · LOCAL
Control groups

Control group	CG 1
Light scene 1	100

Dimming values [%]

pcs.	Manufacturer	Article No.	Article name	P	Index
2	Philips	911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	20.5 W	1
1	Philips	911401806080	DN145B LED10S/840 PSU II WH	11.0 W	2
11	Philips	RC340BI-e76b8250-7727-4c1d-beff-746de4b57696	RC342B LED36S/930 SRD O W62L62	30.5 W	3

LOCAL · LOCAL · BANO (Light scene 1)
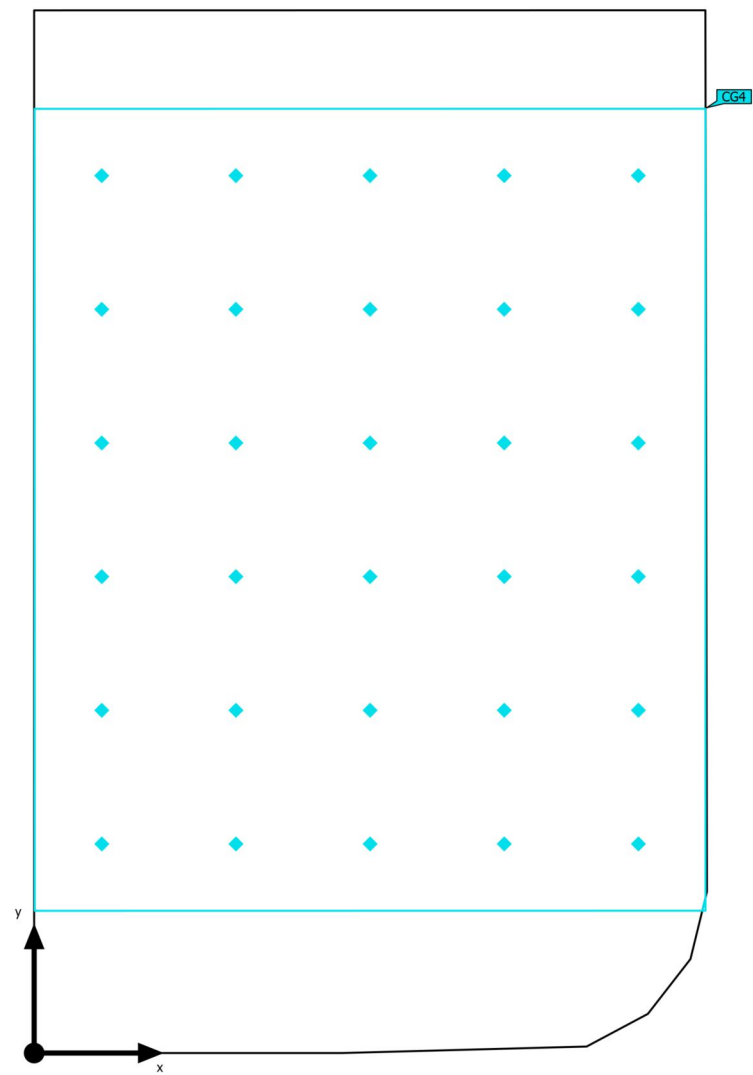
Summary

| Ground area	3.10 m²		
Reflection factors	Ceiling: 70.0 %, Walls: 70.3 %, Floor: 70.3 %		
Maintenance factor	0.80 (fixed)	Clearance height	2.660 m

LOCAL · LOCAL · BANO (Light scene 1)
Summary

Results

	Symbol	Calculated	Target	Check	Index
Energy estimation[2]	Consumption	0.00 kWh/a	max. 150 kWh/a	✓	
Space	Lighting power density	0.00 W/m²	–		

(1) Based on a rectangular space of 1.423 m x 2.205 m and SHR of 0.25.
(2) Calculated using DIN:18599-4.

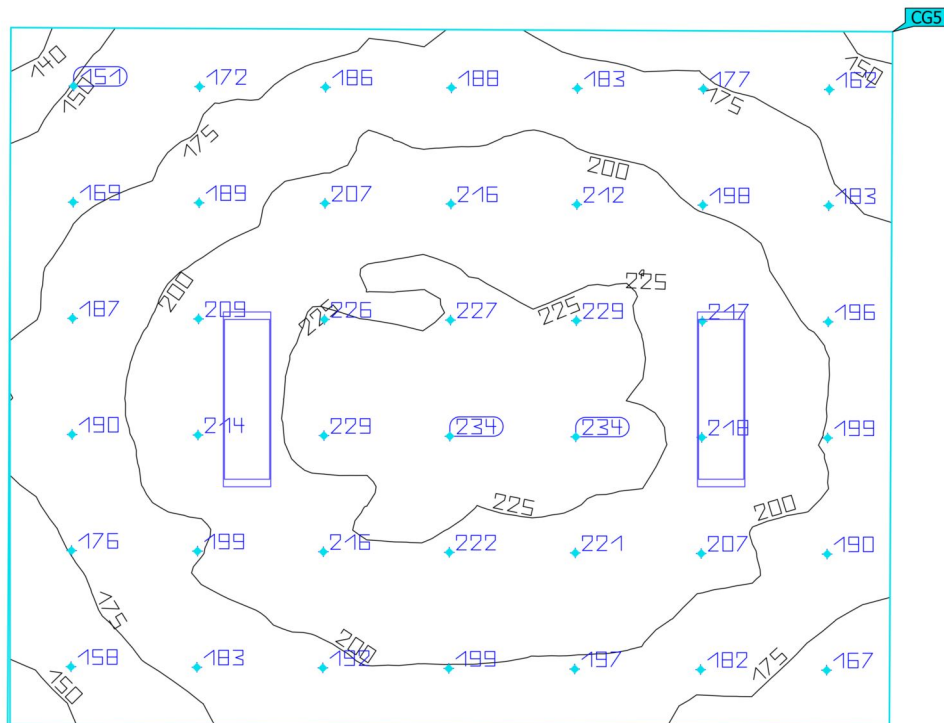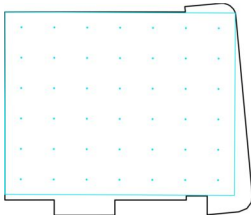Utilisation profile: DIALux presetting (34.2 Standard (office))

LOCAL · LOCAL · BANO (Light scene 1)
Calculation surface 6
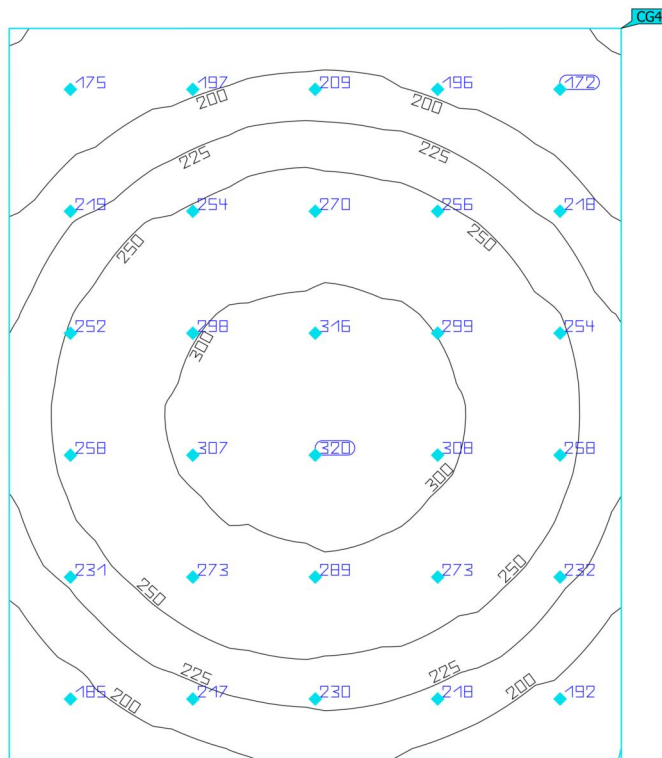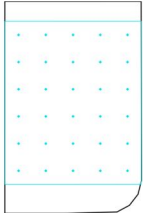
Properties	Ē	E$_{min}$	E$_{max}$	U$_o$ (g$_1$)	g$_2$	Index
Calculation surface 6 Perpendicular illuminance (adaptive) Height: 1.700 m	244 lx	146 lx	323 lx	0.60	0.45	CG4

Utilisation profile: DIALux presetting (34.2 Standard (office))

DIALux

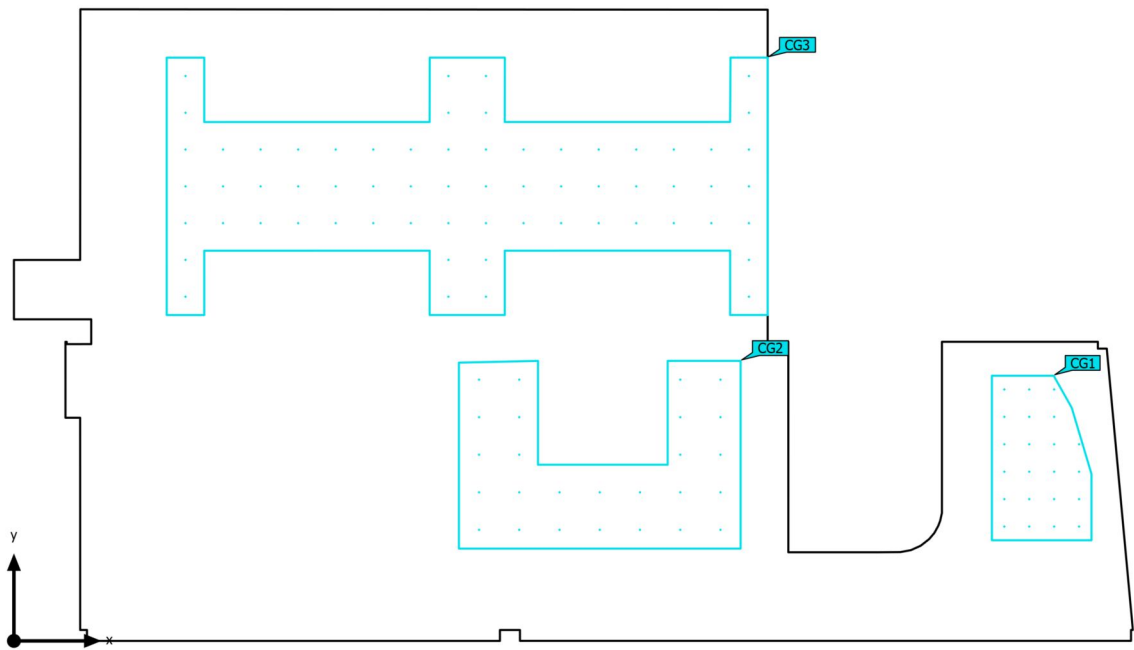LOCAL · LOCAL · BODEGA (Light scene 1)
Calculation surface 7

Properties	$\bar{E}$	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Calculation surface 7 Perpendicular illuminance (adaptive) Height: 0.000 m	197 lx	137 lx	235 lx	0.70	0.58	CG5

Utilisation profile: DIALux presetting (34.2 Standard (office))

DIALux

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)

Summary

Ground area	64.04 m²
Reflection factors	Ceiling: 70.0 %, Walls: 74.8 %, Floor: 69.8 %
Maintenance factor	0.80 (fixed)

Clearance height	2.660 m

DIALux

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Summary

Results

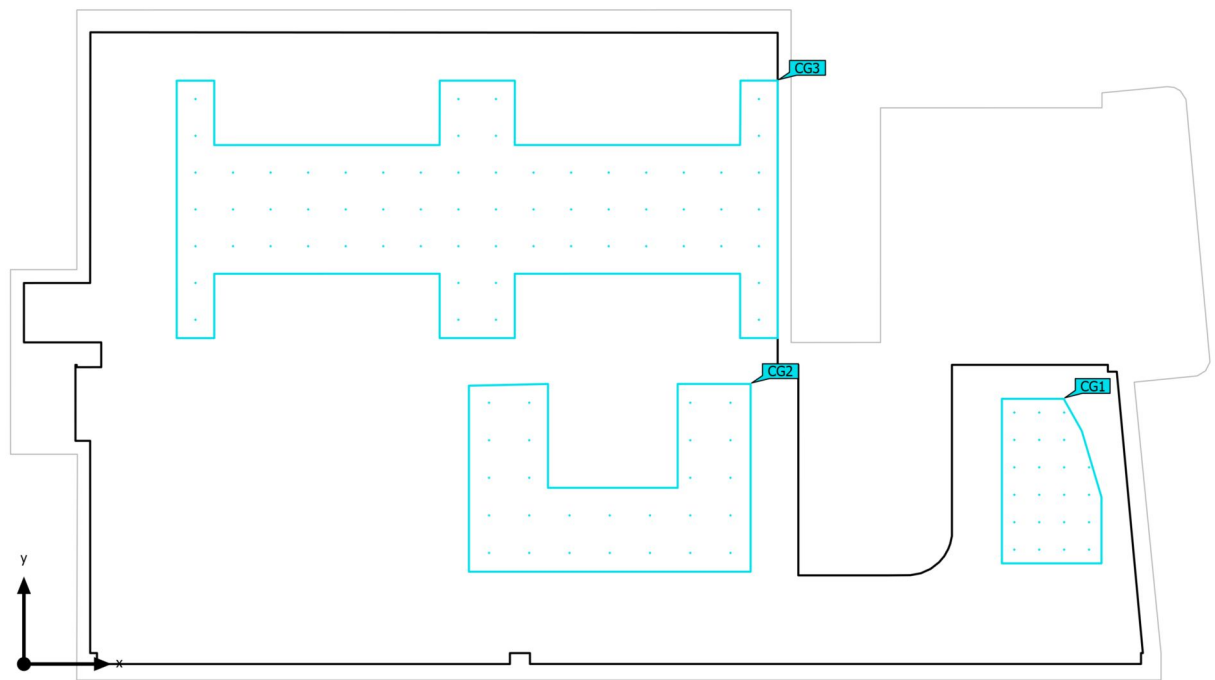|	Symbol	Calculated	Target	Check	Index
Energy estimation[2]	Consumption	0.00 kWh/a	max. 2250 kWh/a	✓	
Space	Lighting power density	0.00 W/m²	–		

(1) Based on a rectangular space of 12.512 m x 7.066 m and SHR of 0.25.
(2) Calculated using DIN:18599-4.

Utilisation profile: DIALux presetting (34.2 Standard (office))

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation objects

DIA**Lux**

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation objects

Calculation surfaces

Properties	$\bar{E}$	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Calculation surface 3 Perpendicular illuminance (adaptive) Height: 1.200 m	626 lx	479 lx	702 lx	0.77	0.68	CG1
Calculation surface 4 Perpendicular illuminance (adaptive) Height: 1.200 m	523 lx	443 lx	729 lx	0.85	0.61	CG2
Calculation surface 5 Perpendicular illuminance (adaptive) Height: 1.200 m	548 lx	398 lx	743 lx	0.73	0.54	CG3

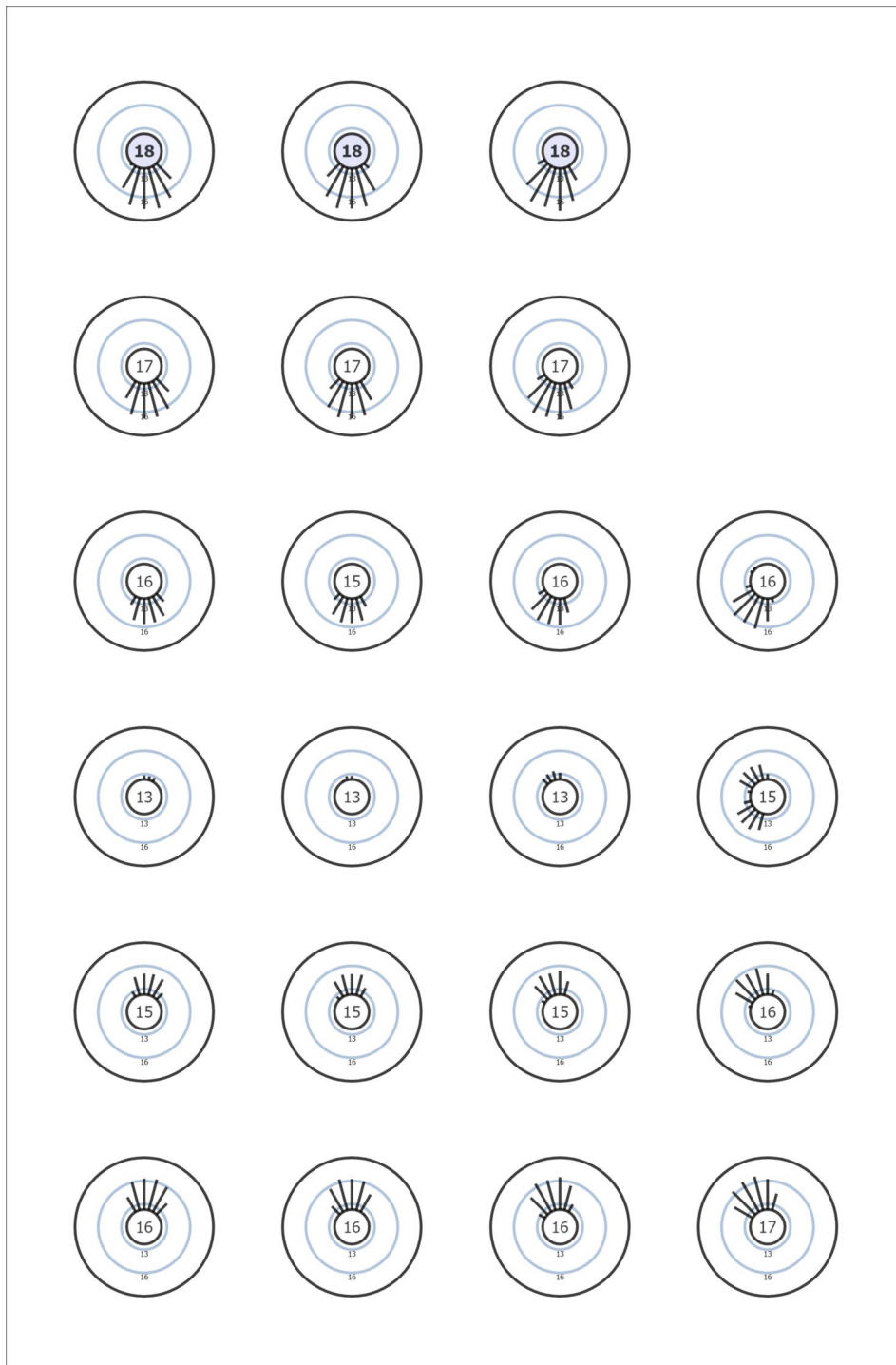LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation objects

Calculation surface 3 (RUG)

Strongest glare at	270°
max	17.7
Target	≤19.0
Viewing sector	0° - 360°
Step width	15°
Height	1.200 m
Index	CG1

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation objects

Calculation surface 3 (RUG)

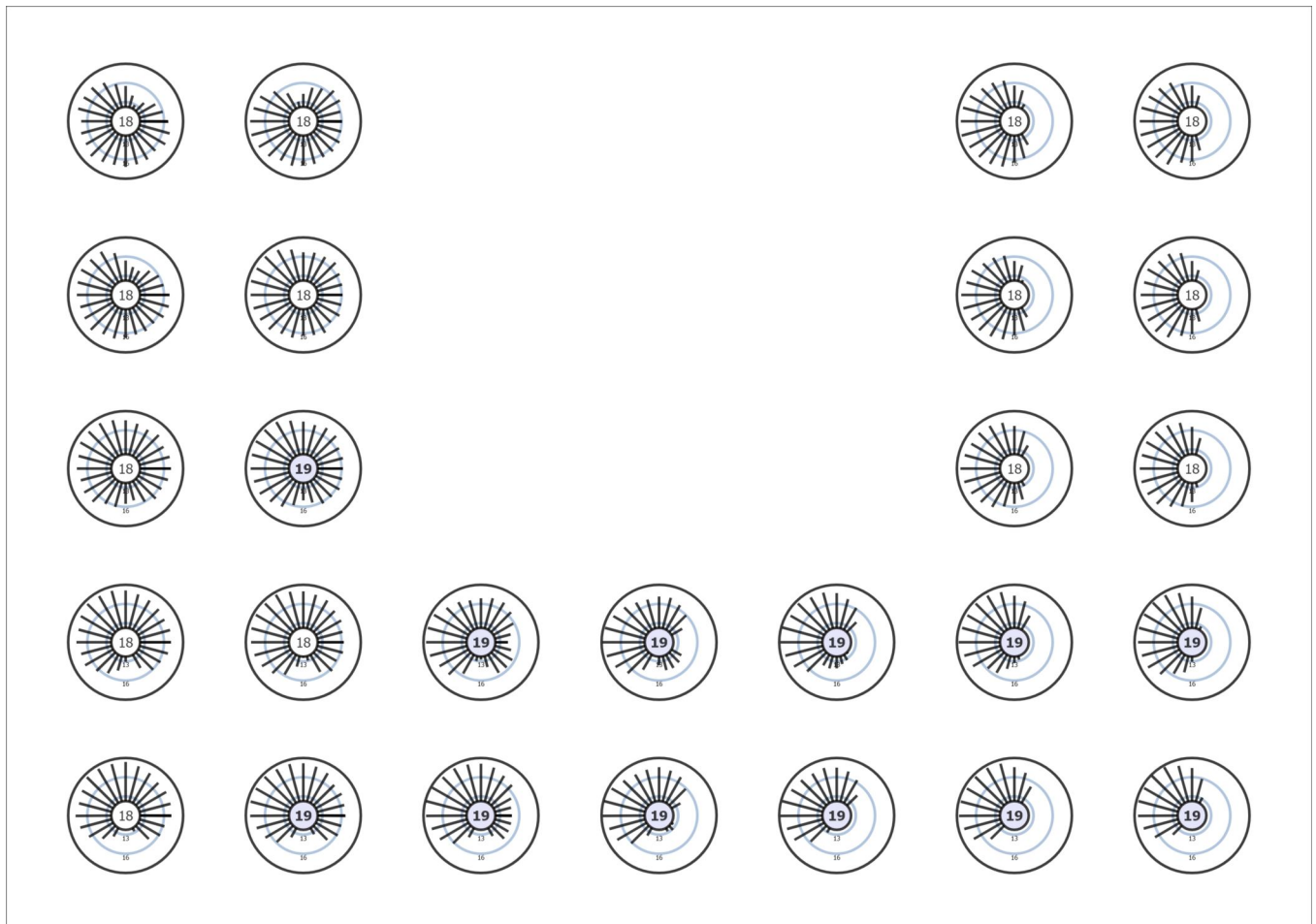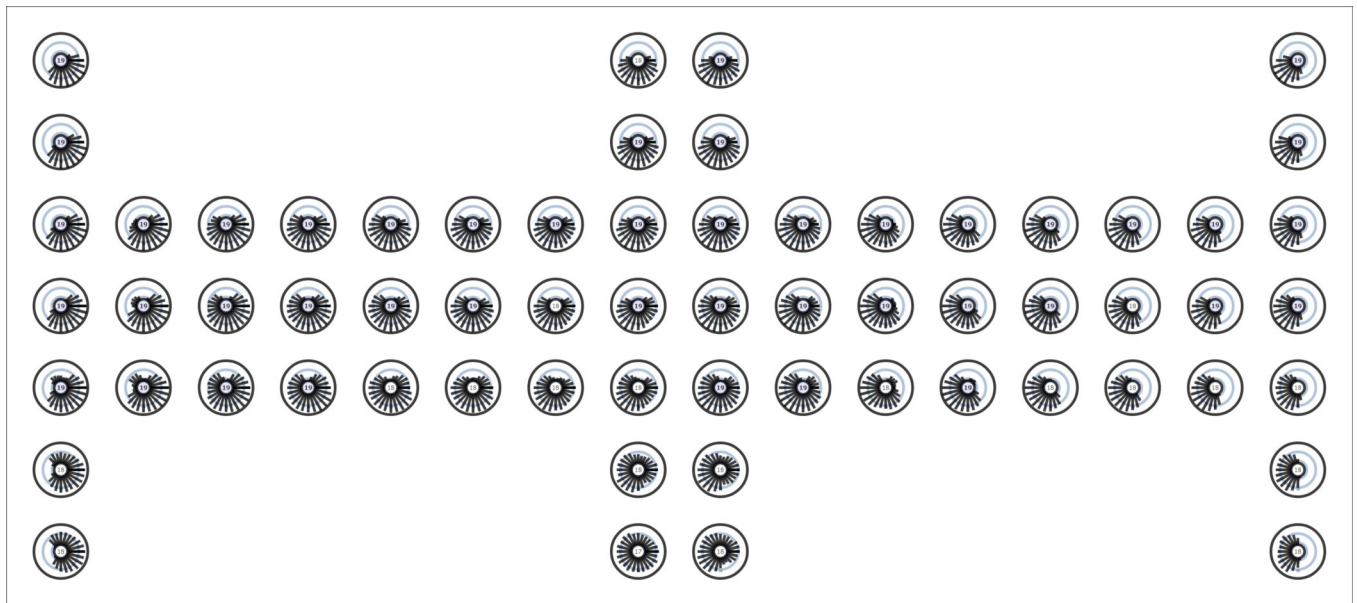LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation objects

Calculation surface 4 (RUG)

Strongest glare at	165°
max	18.8
Target	≤19.0
Viewing sector	0° - 360°
Step width	15°
Height	1.200 m
Index	CG2

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
# Calculation objects

Calculation surface 4 (RUG)

DIAL**ux**

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation objects

Calculation surface 5 (RUG)

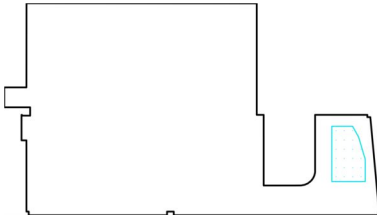|	
Strongest glare at	240°
max	18.9
Target	≤19.0
Viewing sector	0° - 360°
Step width	15°
Height	1.200 m
Index	CG3

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
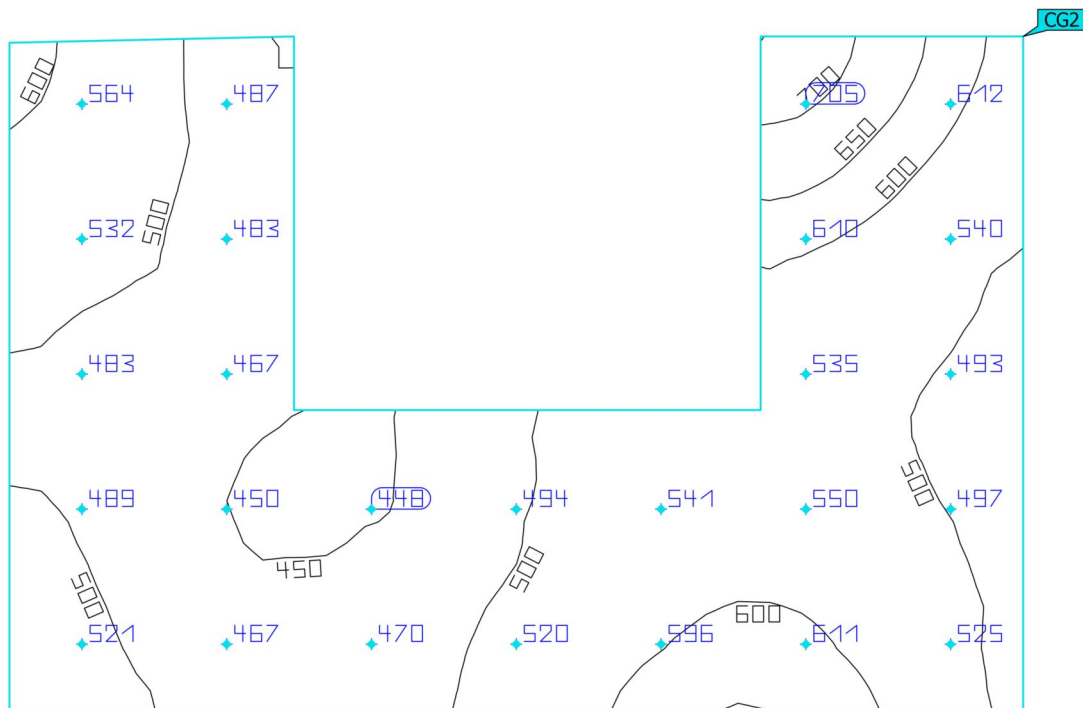## Calculation objects

Calculation surface 5 (RUG)

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation surface 3
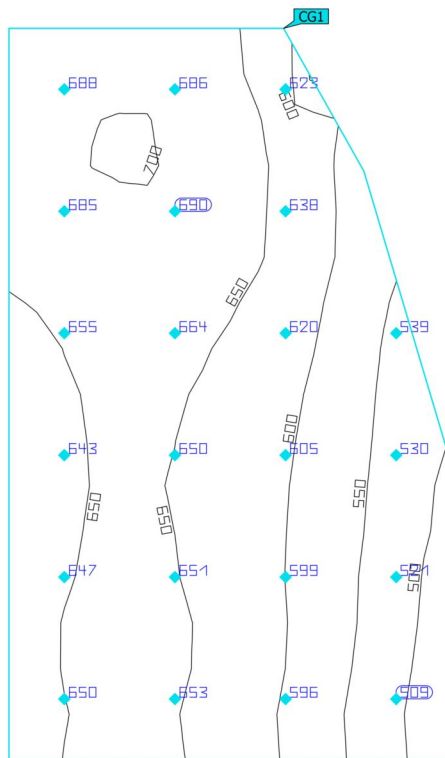
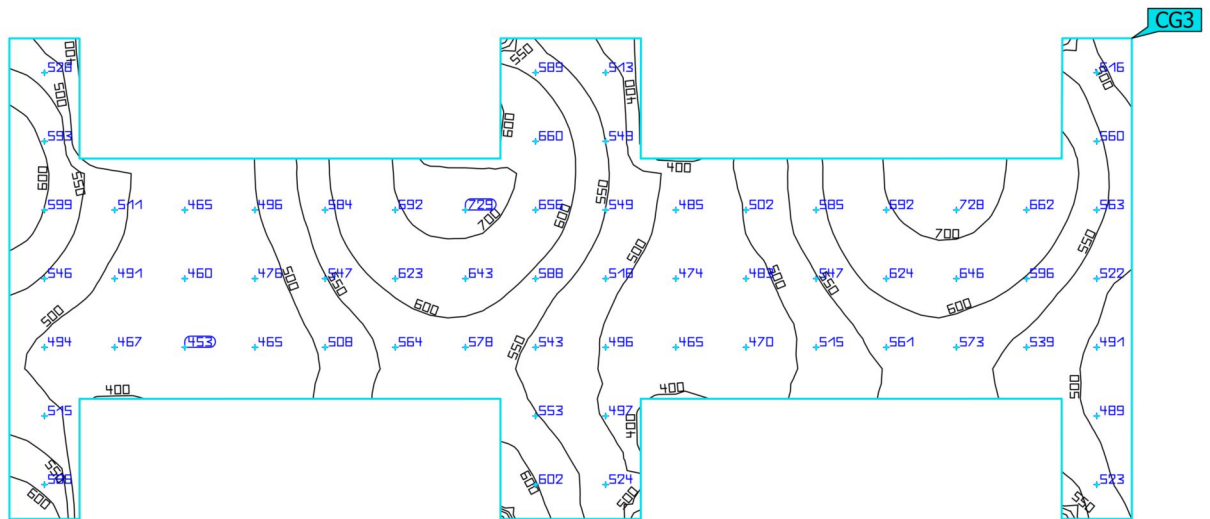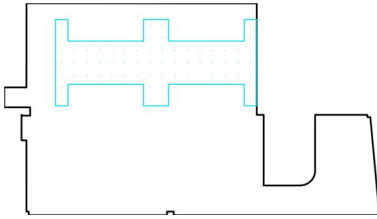| Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Calculation surface 3 Perpendicular illuminance (adaptive) Height: 1.200 m	626 lx	479 lx	702 lx	0.77	0.68	CG1

Utilisation profile: DIALux presetting (34.2 Standard (office))

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation surface 4
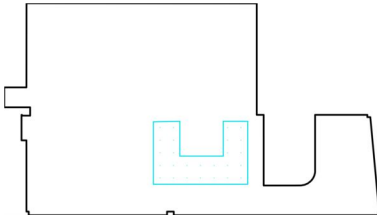
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Calculation surface 4 Perpendicular illuminance (adaptive) Height: 1.200 m	523 lx	443 lx	729 lx	0.85	0.61	CG2

Utilisation profile: DIALux presetting (34.2 Standard (office))

LOCAL · LOCAL · ZONA OFICINA (Light scene 1)
Calculation surface 5

Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Calculation surface 5 Perpendicular illuminance (adaptive) Height: 1.200 m	548 lx	398 lx	743 lx	0.73	0.54	CG3

Utilisation profile: DIALux presetting (34.2 Standard (office))