

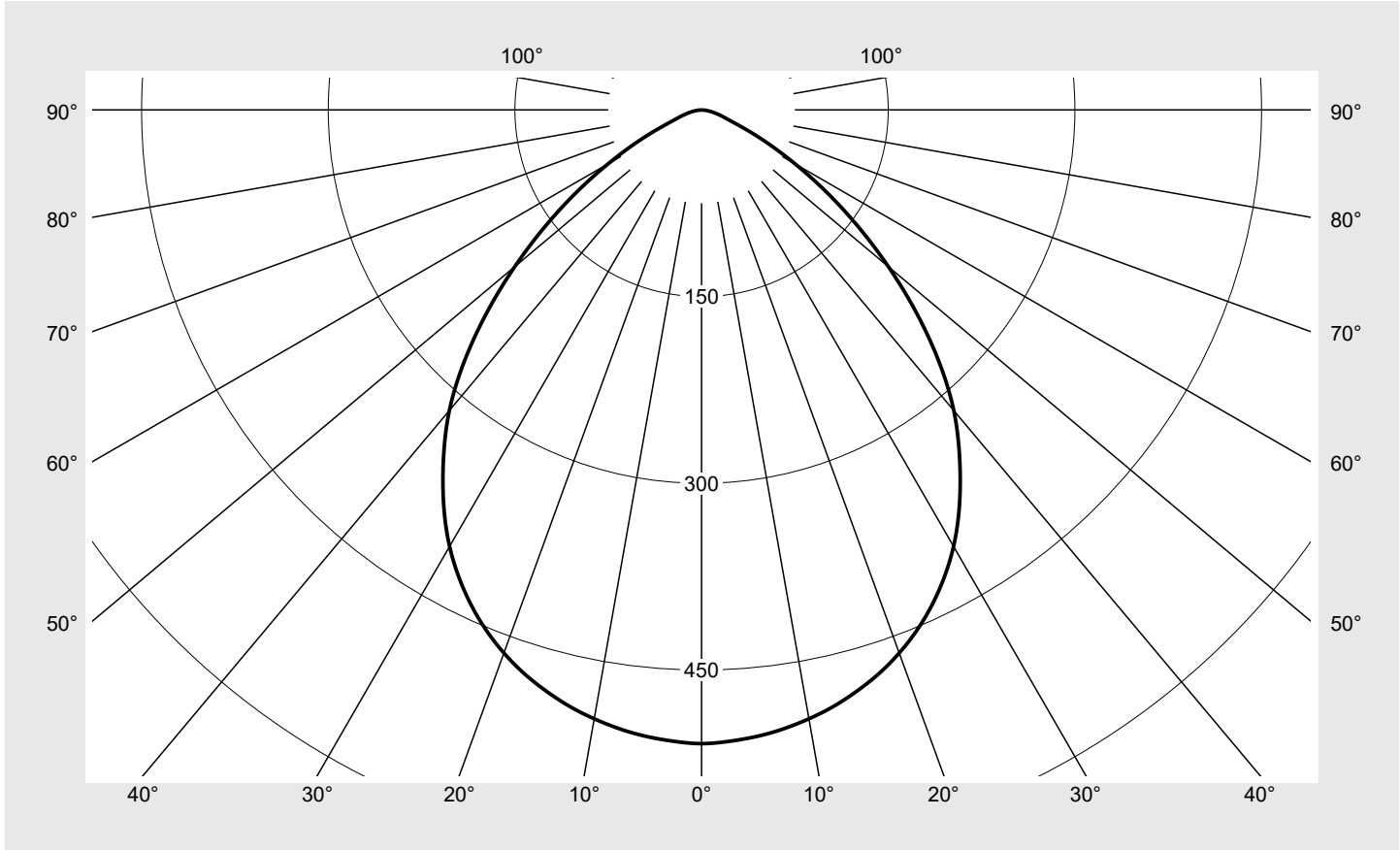


Photometric test report

Family Lunis 31	Order number: 51DN16EG42B EAN: 4069025151865	LP number 59322_8
	Version cover, diffuse, wide distribution, UGR≤22	serial documentation 12.12.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Setting factory setting: DIP-Step=5	
Rated values	Net luminous flux = 2550 lm Power consumption = 17.0 W Luminous efficacy = 150 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 509 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=64 N2=93 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 31	Order number: 51DN16EG42B EAN: 4069025151865	LP number 59322_8
---------------------------	---	-----------------------------

sITeco

Table of values for luminous intensities	Maximum luminous intensity
---	-----------------------------------

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	509.2	0.8	0.8
2,5°	507.8	6.1	6.8
5,0°	505.4	12.1	18.9
7,5°	501.7	18.0	36.9
10,0°	496.8	23.6	60.5
12,5°	490.8	29.1	89.6
15,0°	483.3	34.3	123.9
17,5°	474.7	39.1	163.1
20,0°	464.4	43.5	206.6
22,5°	452.4	47.5	254.1
25,0°	438.6	50.8	304.9
27,5°	422.8	53.5	358.4
30,0°	405.0	55.5	413.9
32,5°	384.6	56.7	470.6
35,0°	362.4	57.0	527.5
37,5°	339.5	56.7	584.2
40,0°	315.3	55.6	639.7
42,5°	287.7	53.3	693.0
45,0°	257.7	50.0	743.0
47,5°	226.8	45.8	788.8
50,0°	196.0	41.2	830.0
52,5°	166.3	36.2	866.1
55,0°	138.0	31.0	897.1
57,5°	111.4	25.8	922.9
60,0°	86.8	20.6	943.5
62,5°	65.4	15.9	959.4
65,0°	47.0	11.7	971.1
67,5°	32.2	8.1	979.2
70,0°	22.8	5.9	985.1
72,5°	17.7	4.6	989.7
75,0°	13.7	3.6	993.3
77,5°	10.2	2.7	996.1
80,0°	7.1	1.9	998.0
82,5°	4.5	1.2	999.2
85,0°	2.3	0.6	999.9
87,5°	0.5	0.1	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Lunis 31	Order number: 51DN16EG42B EAN: 4069025151865	LP number 59322_8
---------------------------	---	-----------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	22.1	23.6	22.5	23.9	24.3	22.1	23.6	22.5	23.9	24.3
	3H	22.3	23.6	22.7	24.0	24.3	22.3	23.6	22.7	24.0	24.3
	4H	22.3	23.6	22.7	23.9	24.3	22.3	23.6	22.7	23.9	24.3
	6H	22.3	23.5	22.7	23.8	24.2	22.3	23.5	22.7	23.8	24.2
	8H	22.4	23.4	22.8	23.8	24.2	22.4	23.4	22.8	23.8	24.2
	12H	22.4	23.3	22.8	23.7	24.1	22.4	23.3	22.8	23.7	24.1
4H	2H	22.3	23.5	22.7	23.9	24.3	22.3	23.5	22.7	23.9	24.3
	3H	22.5	23.6	23.0	24.0	24.4	22.5	23.6	23.0	24.0	24.4
	4H	22.6	23.5	23.0	23.9	24.3	22.6	23.5	23.0	23.9	24.3
	6H	22.6	23.4	23.1	23.8	24.3	22.6	23.4	23.1	23.8	24.3
	8H	22.6	23.3	23.1	23.8	24.2	22.6	23.3	23.1	23.8	24.2
	12H	22.6	23.2	23.1	23.7	24.2	22.6	23.2	23.1	23.7	24.2
8H	4H	22.6	23.3	23.0	23.7	24.2	22.6	23.3	23.0	23.7	24.2
	6H	22.6	23.2	23.1	23.7	24.2	22.6	23.2	23.1	23.7	24.2
	8H	22.6	23.1	23.1	23.6	24.1	22.6	23.1	23.1	23.6	24.1
	12H	22.6	23.0	23.1	23.5	24.1	22.6	23.0	23.1	23.5	24.1
12H	4H	22.6	23.2	23.1	23.6	24.1	22.6	23.2	23.1	23.6	24.1
	6H	22.6	23.1	23.1	23.6	24.1	22.6	23.1	23.1	23.6	24.1
	8H	22.6	23.0	23.1	23.5	24.1	22.6	23.0	23.1	23.5	24.1

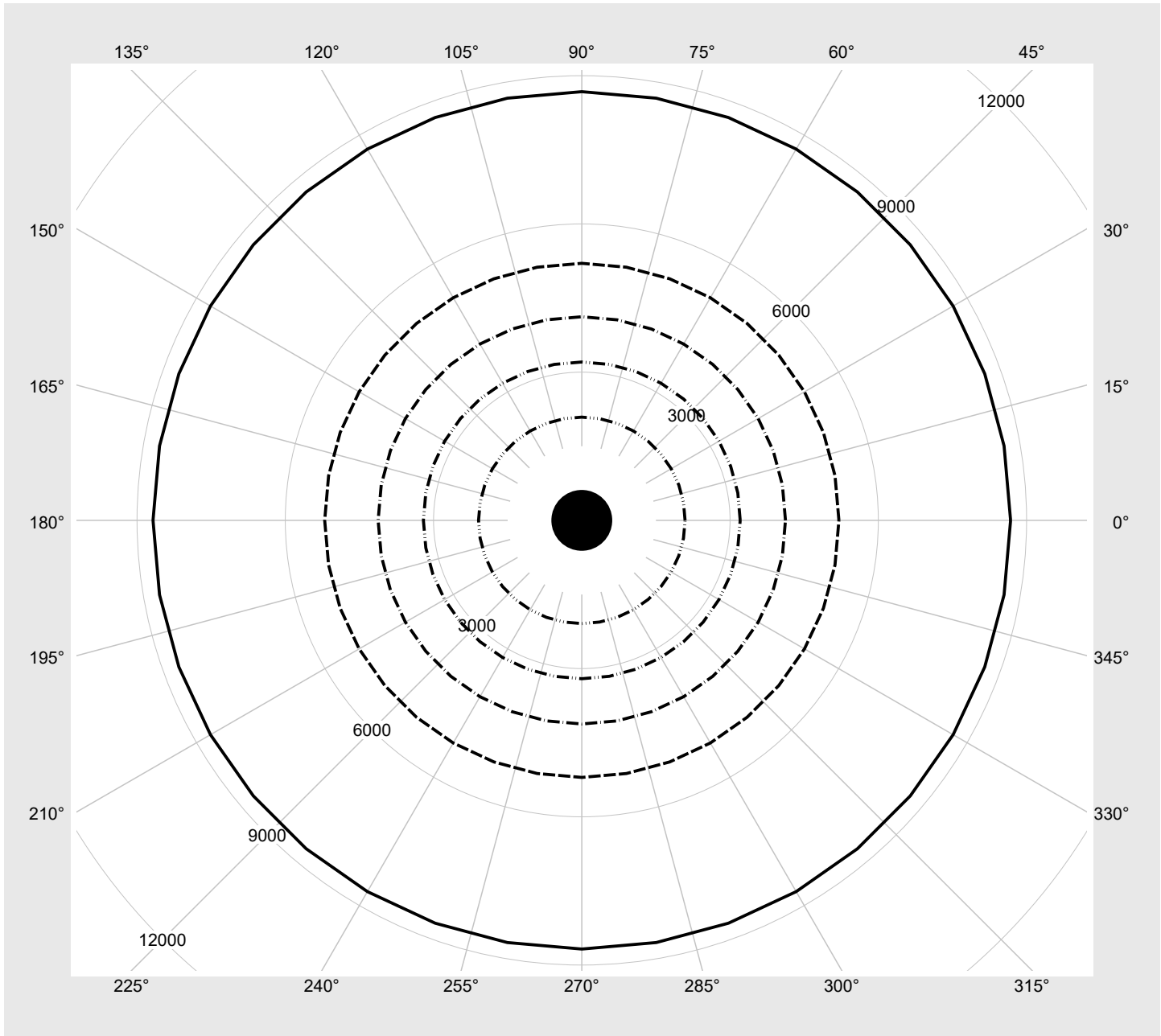
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 204
------------------------	---	--

C-planes	0°
γ	Luminance in cd/m²
45,0°	28434.2
50,0°	23787.3
55,0°	18765.4
60,0°	13539.2
65,0°	8676.4
70,0°	5202.7
75,0°	4121.2
80,0°	3205.2
85,0°	2089.3

Photometric test report

Family Lunis 31	Order number: 51DN16EG42B EAN: 4069025151865	LP number 59322_8
----------------------------------	---	------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Lunis 31	Order number: 51DN16EG42B EAN: 4069025151865	LP number 59322_8
----------------------------------	---	------------------------------------

Multilumen Table	environmental temperature: 25°C	
-------------------------	---------------------------------	---

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
5	ON	OFF	ON	2550	17.0
6	ON	ON	OFF	2290	15.5
7	ON	ON	ON	2030	14.0