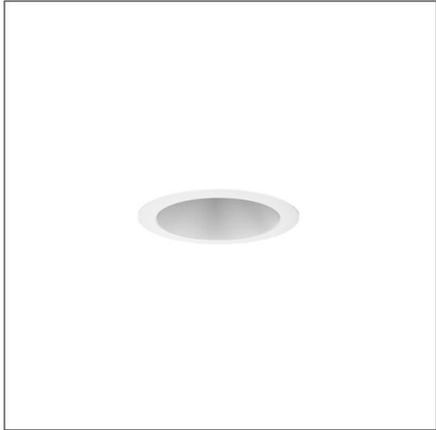
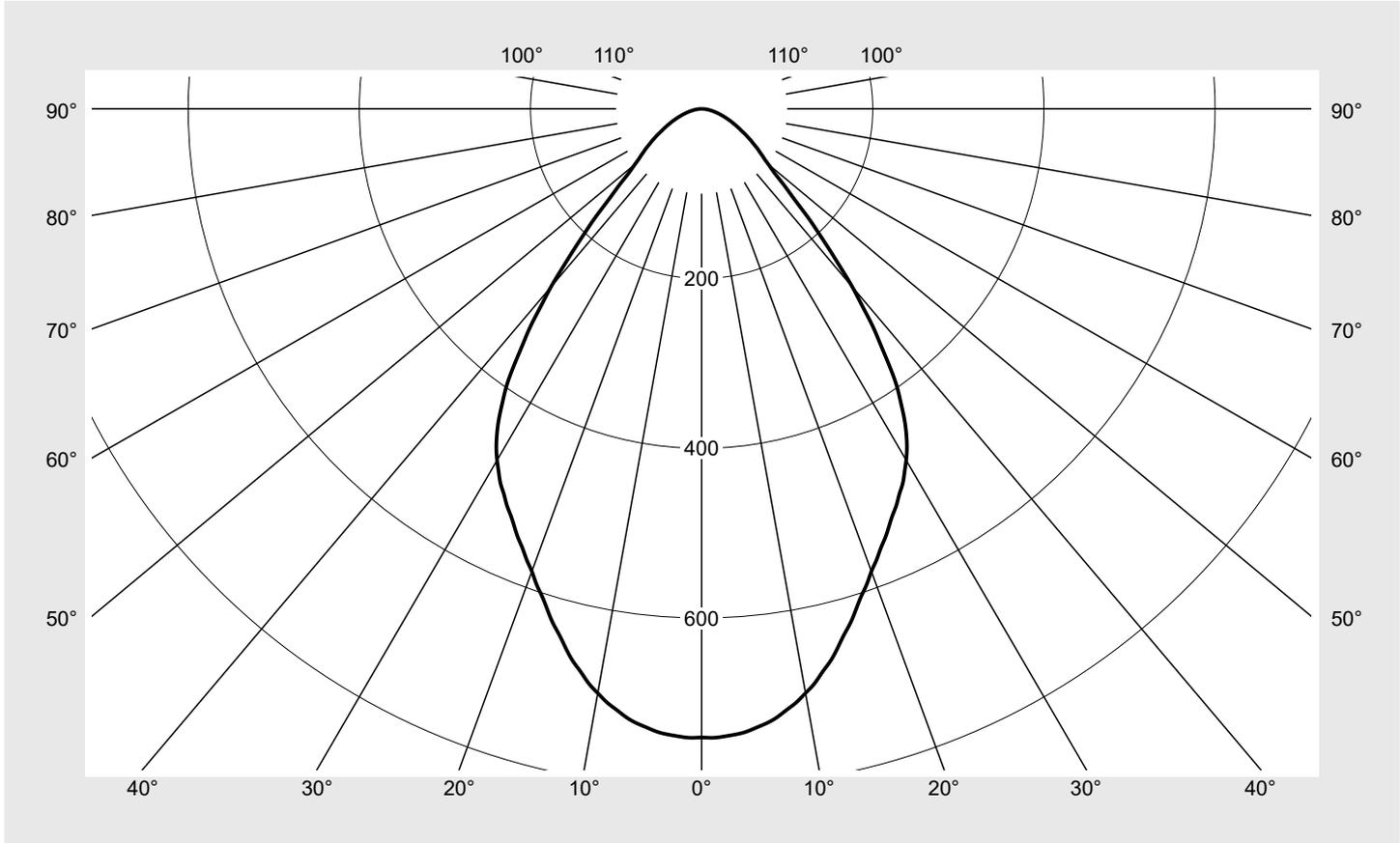


Photometric test report

Family Lunis 31	Order number: 51DN16EE41B EAN: 4069025151803	LP number 59698_4
	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=2	
Rated values	Net luminous flux = 1600 lm Power consumption = 12.0 W Luminous efficacy = 133.3 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 741 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=76 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: 51DN16EE41B EAN: 4069025151803	LP number 59698_4
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
0°	740.7	0.2	0.2
1°	741.2	1.4	1.6
2°	740.0	2.8	4.4
3°	738.4	4.2	8.7
4°	736.0	5.6	14.3
5°	731.9	7.0	21.3
6°	727.8	8.3	29.6
7°	722.3	9.7	39.3
8°	715.0	10.9	50.2
9°	708.1	12.1	62.3
10°	699.1	13.3	75.7
11°	690.1	14.4	90.1
12°	678.5	15.5	105.6
13°	668.1	16.5	122.1
14°	655.4	17.4	139.4
15°	642.0	18.2	157.7
16°	630.4	19.1	176.7
17°	616.9	19.8	196.5
18°	603.7	20.5	217.0
19°	592.6	21.2	238.1
20°	580.0	21.8	259.9
21°	569.8	22.4	282.3
22°	558.6	22.9	305.2
23°	549.1	23.5	328.7
24°	538.4	24.0	352.7
25°	528.2	24.5	377.2
26°	519.4	25.0	402.2
27°	509.2	25.3	427.5
28°	500.4	25.8	453.3
29°	489.2	26.0	479.3
30°	478.1	26.2	505.5
31°	465.9	26.3	531.8
32°	451.4	26.2	558.1
33°	434.8	26.0	584.0
34°	415.7	25.5	609.5
35°	396.8	25.0	634.5
36°	372.2	24.0	658.5
37°	347.0	22.9	681.4
38°	324.2	21.9	703.3
39°	297.1	20.5	723.8
40°	274.0	19.3	743.1
41°	247.1	17.8	760.9
42°	223.1	16.4	777.2
43°	200.9	15.0	792.3
44°	181.7	13.8	806.1
45°	160.7	12.5	818.6
46°	144.1	11.4	829.9

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	131.3	10.5	840.5
48°	118.0	9.6	850.1
49°	108.8	9.0	859.1
50°	102.0	8.6	867.6
51°	95.2	8.1	875.8
52°	90.5	7.8	883.6
53°	85.6	7.5	891.1
54°	81.6	7.2	898.3
55°	77.0	6.9	905.2
56°	72.6	6.6	911.8
57°	68.9	6.3	918.2
58°	64.6	6.0	924.2
59°	61.1	5.7	929.9
60°	57.1	5.4	935.3
61°	53.3	5.1	940.4
62°	50.3	4.9	945.3
63°	47.2	4.6	949.9
64°	44.3	4.4	954.3
65°	41.3	4.1	958.4
66°	38.9	3.9	962.3
67°	36.3	3.7	966.0
68°	33.6	3.4	969.4
69°	31.4	3.2	972.6
70°	29.0	3.0	975.6
71°	26.8	2.8	978.4
72°	24.7	2.6	980.9
73°	22.7	2.4	983.3
74°	20.8	2.2	985.5
75°	18.8	2.0	987.5
76°	17.3	1.8	989.3
77°	15.5	1.7	991.0
78°	14.1	1.5	992.5
79°	12.4	1.3	993.8
80°	10.8	1.2	995.0
81°	9.6	1.0	996.1
82°	8.2	0.9	996.9
83°	7.1	0.8	997.7
84°	5.8	0.6	998.4
85°	4.7	0.5	998.9
86°	3.6	0.4	999.3
87°	2.7	0.3	999.6
88°	2.1	0.2	999.8
89°	1.3	0.1	999.9
90°	1.0	0.1	1000.1

Photometric test report

Family Lunis 31	Order number: 51DN16EE41B EAN: 4069025151803	LP number 59698_4
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UGR-Table	Standard room	siteco
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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	20.4	21.8	20.8	22.1	22.4	20.4	21.8	20.8	22.1	22.4
	3H	20.9	22.2	21.3	22.5	22.9	20.9	22.2	21.3	22.5	22.9
	4H	21.2	22.3	21.6	22.7	23.0	21.2	22.3	21.6	22.7	23.0
	6H	21.3	22.4	21.7	22.7	23.1	21.3	22.4	21.7	22.7	23.1
	8H	21.4	22.4	21.9	22.7	23.2	21.4	22.4	21.9	22.7	23.2
	12H	21.5	22.3	21.9	22.7	23.1	21.5	22.3	21.9	22.7	23.1
4H	2H	20.6	21.8	21.0	22.1	22.5	20.6	21.8	21.0	22.1	22.5
	3H	21.3	22.3	21.7	22.7	23.1	21.3	22.3	21.7	22.7	23.1
	4H	21.6	22.5	22.1	22.9	23.3	21.6	22.5	22.1	22.9	23.3
	6H	21.9	22.6	22.3	23.0	23.5	21.9	22.6	22.3	23.0	23.5
	8H	21.9	22.6	22.4	23.0	23.5	21.9	22.6	22.4	23.0	23.5
	12H	22.0	22.6	22.5	23.0	23.5	22.0	22.6	22.5	23.0	23.5
8H	4H	21.7	22.4	22.2	22.8	23.3	21.7	22.4	22.2	22.8	23.3
	6H	22.0	22.6	22.5	23.0	23.6	22.0	22.6	22.5	23.0	23.6
	8H	22.1	22.6	22.7	23.1	23.6	22.1	22.6	22.7	23.1	23.6
	12H	22.3	22.6	22.8	23.1	23.7	22.3	22.6	22.8	23.1	23.7
12H	4H	21.7	22.3	22.2	22.8	23.3	21.7	22.3	22.2	22.8	23.3
	6H	22.1	22.5	22.6	23.0	23.5	22.1	22.5	22.6	23.0	23.5
	8H	22.2	22.6	22.7	23.1	23.6	22.2	22.6	22.7	23.1	23.6

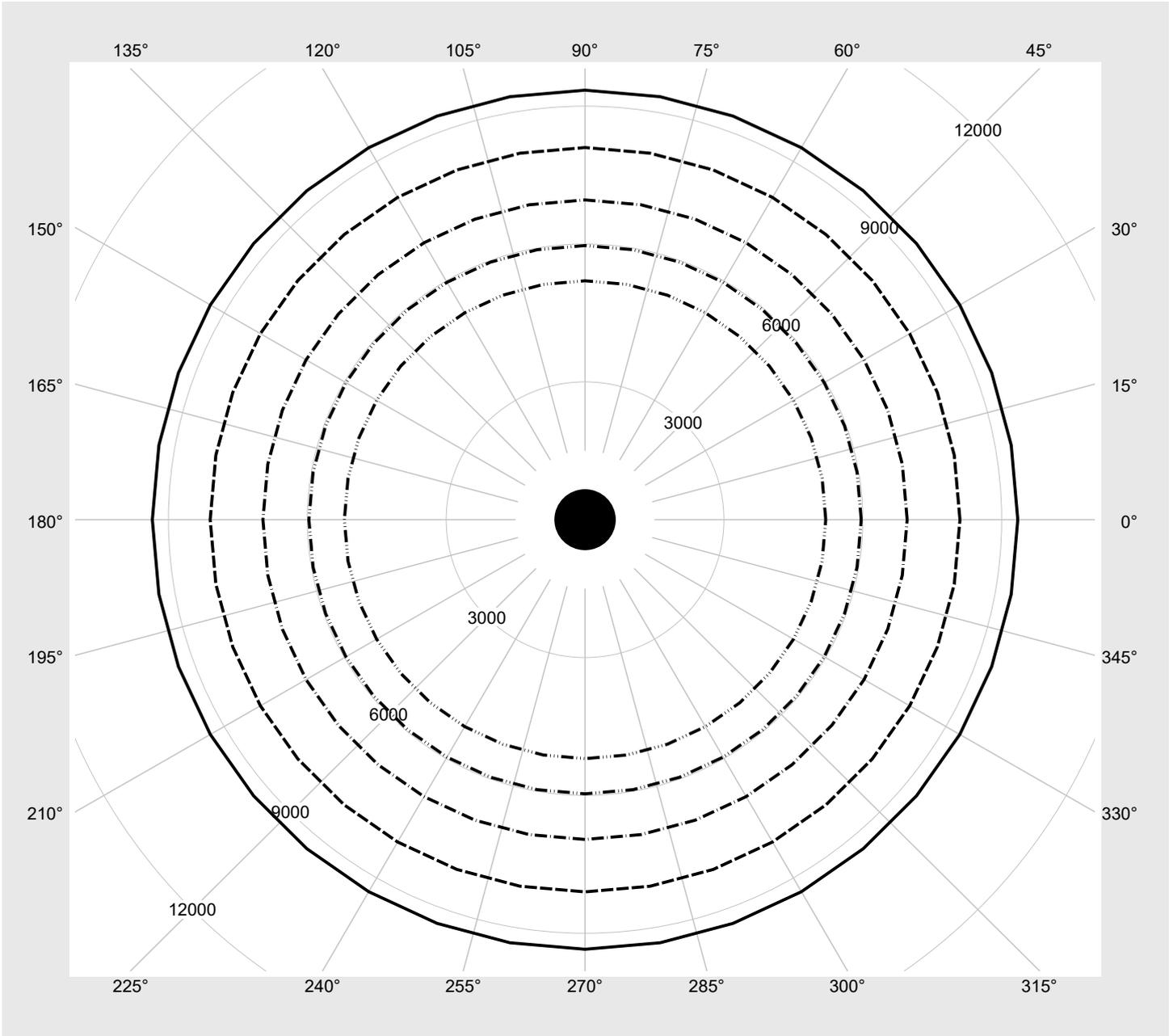
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 146
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C-planes	0°
γ	Luminance in cd/m²
45°	21718.6
50°	15159.7
55°	12829.6
60°	10912.3
65°	9347.9
70°	8099.0
75°	6959.0
80°	5966.0
85°	5199.8

Photometric test report

Family Lunis 31	Order number: 51DN16EE41B EAN: 4069025151803	LP number 59698_4
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Lunis 31	Order number: 51DN16EE41B EAN: 4069025151803	LP number 59698_4
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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
2	OFF	ON	1600	12.0
1	ON	OFF	1330	10.0
0	OFF	OFF	1050	8.0