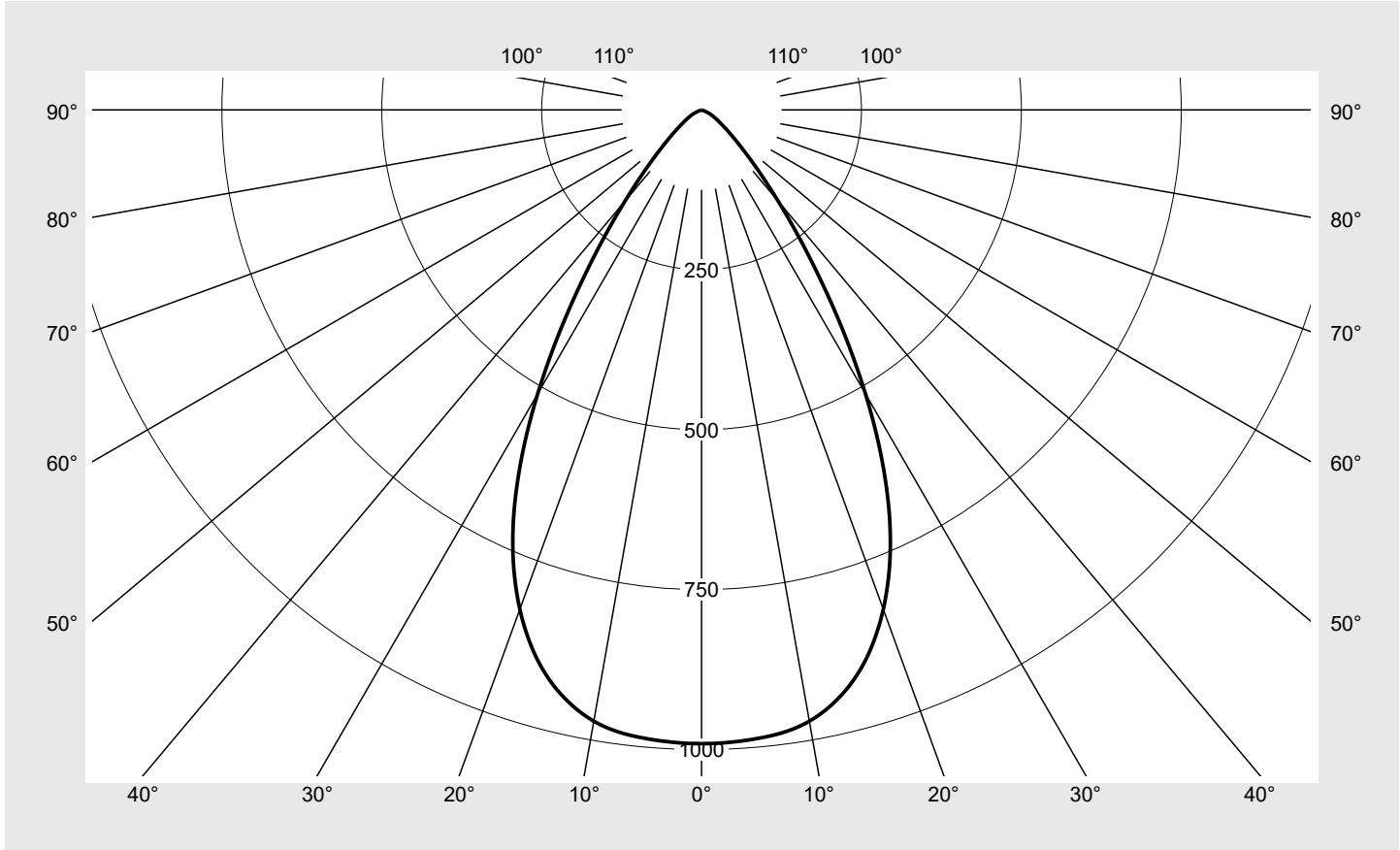


Photometric test report

Family Lunis 21	Order number: 51DB15MF3D EAN: 4058352555217	LP number 59251_8
	Version	Combined lens and reflector optics, highly specular reflector, wide distribution, UGR≤19 (L65≤3000cd/m²)
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=1
	Rated values	Net luminous flux = 2180 lm Power consumption = 19.1 W Luminous efficacy = 114.1 lm/W
		serial documentation 18.11.2022
		

Luminous intensity in cd/klm C180-0 **Imax: 991 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=89 N2=99 N3=100 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 21	Order number: 51DB15MF3D EAN: 4058352555217	LP number 59251_8
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°	990.7	0.2	0.2
1°	990.6	1.9	2.1
2°	990.1	3.8	5.9
3°	989.2	5.7	11.6
4°	988.1	7.6	19.2
5°	986.7	9.4	28.6
6°	985.0	11.3	39.9
7°	982.9	13.1	53.0
8°	979.9	15.0	68.0
9°	975.8	16.7	84.7
10°	970.4	18.5	103.2
11°	963.5	20.2	123.3
12°	955.2	21.8	145.1
13°	945.3	23.3	168.4
14°	934.3	24.8	193.2
15°	921.5	26.2	219.4
16°	907.0	27.4	246.8
17°	890.7	28.6	275.4
18°	872.4	29.6	304.9
19°	852.5	30.4	335.4
20°	830.8	31.2	366.5
21°	807.2	31.7	398.2
22°	781.9	32.1	430.4
23°	754.7	32.3	462.7
24°	725.4	32.4	495.1
25°	694.2	32.2	527.2
26°	660.5	31.8	559.0
27°	625.3	31.1	590.1
28°	588.7	30.3	620.4
29°	550.8	29.3	649.7
30°	512.4	28.1	677.8
31°	473.3	26.7	704.5
32°	434.8	25.3	729.8
33°	396.6	23.7	753.5
34°	359.9	22.1	775.5
35°	324.8	20.4	796.0
36°	292.5	18.9	814.8
37°	262.4	17.3	832.2
38°	234.7	15.8	848.0
39°	209.6	14.5	862.5
40°	186.5	13.1	875.6
41°	166.1	11.9	887.6
42°	147.7	10.8	898.4
43°	131.2	9.8	908.2
44°	116.7	8.9	917.1
45°	103.8	8.1	925.2
46°	92.3	7.3	932.4

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	82.4	6.6	939.0
48°	73.8	6.0	945.1
49°	66.3	5.5	950.5
50°	59.8	5.0	955.6
51°	53.9	4.6	960.2
52°	48.5	4.2	964.4
53°	43.7	3.8	968.2
54°	39.5	3.5	971.7
55°	35.9	3.2	974.9
56°	32.7	3.0	977.9
57°	29.9	2.8	980.6
58°	27.3	2.5	983.2
59°	24.8	2.3	985.5
60°	22.4	2.1	987.6
61°	20.4	2.0	989.6
62°	18.6	1.8	991.4
63°	17.0	1.7	993.1
64°	15.2	1.5	994.5
65°	13.0	1.3	995.8
66°	10.6	1.1	996.9
67°	8.3	0.8	997.7
68°	6.5	0.7	998.4
69°	5.2	0.5	998.9
70°	4.0	0.4	999.3
71°	2.7	0.3	999.6
72°	1.7	0.2	999.8
73°	0.8	0.1	999.9
74°	0.4	0.0	999.9
75°	0.3	0.0	1000.0
76°	0.1	0.0	1000.0
77°	0.0	0.0	1000.0
78°	0.0	0.0	1000.0
79°	0.0	0.0	1000.0
80°	0.0	0.0	1000.0
81°	0.0	0.0	1000.0
82°	0.0	0.0	1000.0
83°	0.0	0.0	1000.0
84°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
86°	0.0	0.0	1000.0
87°	0.0	0.0	1000.0
88°	0.0	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21	Order number: 51DB15MF3D EAN: 4058352555217	LP number 59251_8
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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	17.0	18.2	17.3	18.5	18.8	17.0	18.2	17.3	18.5	18.8
	3H	16.9	18.0	17.3	18.3	18.7	16.9	18.0	17.3	18.3	18.7
	4H	16.8	17.8	17.2	18.2	18.6	16.8	17.8	17.2	18.2	18.6
	6H	16.8	17.7	17.2	18.0	18.4	16.8	17.7	17.2	18.0	18.4
	8H	16.9	17.6	17.3	18.0	18.4	16.9	17.6	17.3	18.0	18.4
	12H	16.8	17.5	17.2	17.9	18.3	16.8	17.5	17.2	17.9	18.3
4H	2H	16.9	17.9	17.3	18.2	18.6	16.9	17.9	17.3	18.2	18.6
	3H	16.8	17.6	17.2	18.0	18.4	16.8	17.6	17.2	18.0	18.4
	4H	16.7	17.4	17.2	17.8	18.3	16.7	17.4	17.2	17.8	18.3
	6H	16.6	17.2	17.1	17.7	18.1	16.6	17.2	17.1	17.7	18.1
	8H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1
	12H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
8H	4H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1
	6H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4	17.9
	8H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3	17.8
	12H	16.4	16.7	16.9	17.2	17.8	16.4	16.7	16.9	17.2	17.8
12H	4H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
	6H	16.5	16.8	17.0	17.3	17.8	16.5	16.8	17.0	17.3	17.8
	8H	16.4	16.7	16.9	17.2	17.8	16.4	16.7	16.9	17.2	17.8

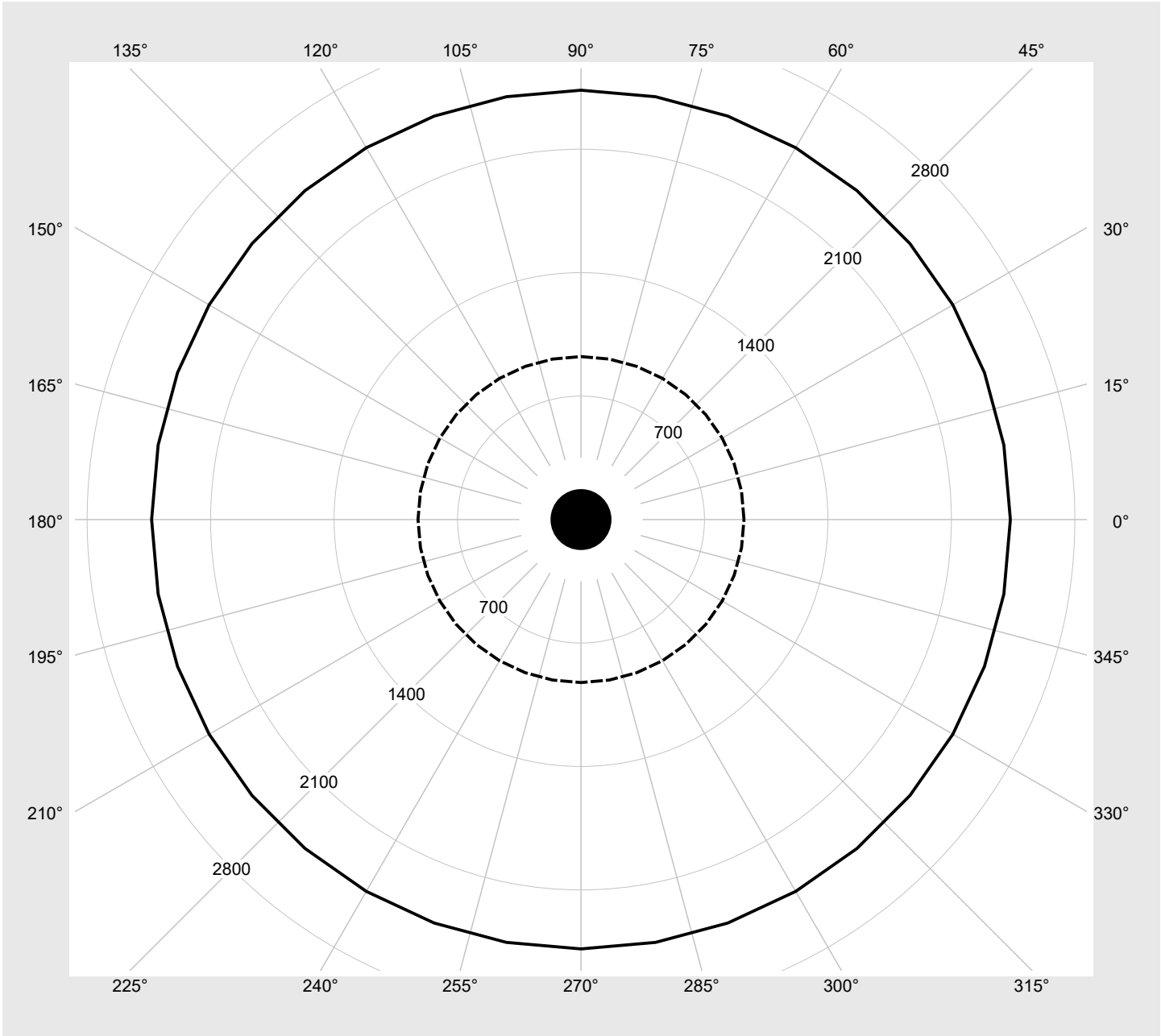
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 187
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C-planes	0°
γ	Luminance in cd/m²
45°	11654.3
50°	7382.7
55°	4964.9
60°	3563.5
65°	2434.5
70°	924.1
75°	76.7
80°	6.9
85°	21.9

Photometric test report

Family Lunis 21	Order number: 51DB15MF3D EAN: 4058352555217	LP number 59251_8
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Lunis 21	Order number: 51DB15MF3D EAN: 4058352555217	LP number 59251_8
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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	2620	23.5
2	OFF	ON	2450	21.5
1	ON	OFF	2180	19.1
0	OFF	OFF	1980	17.2