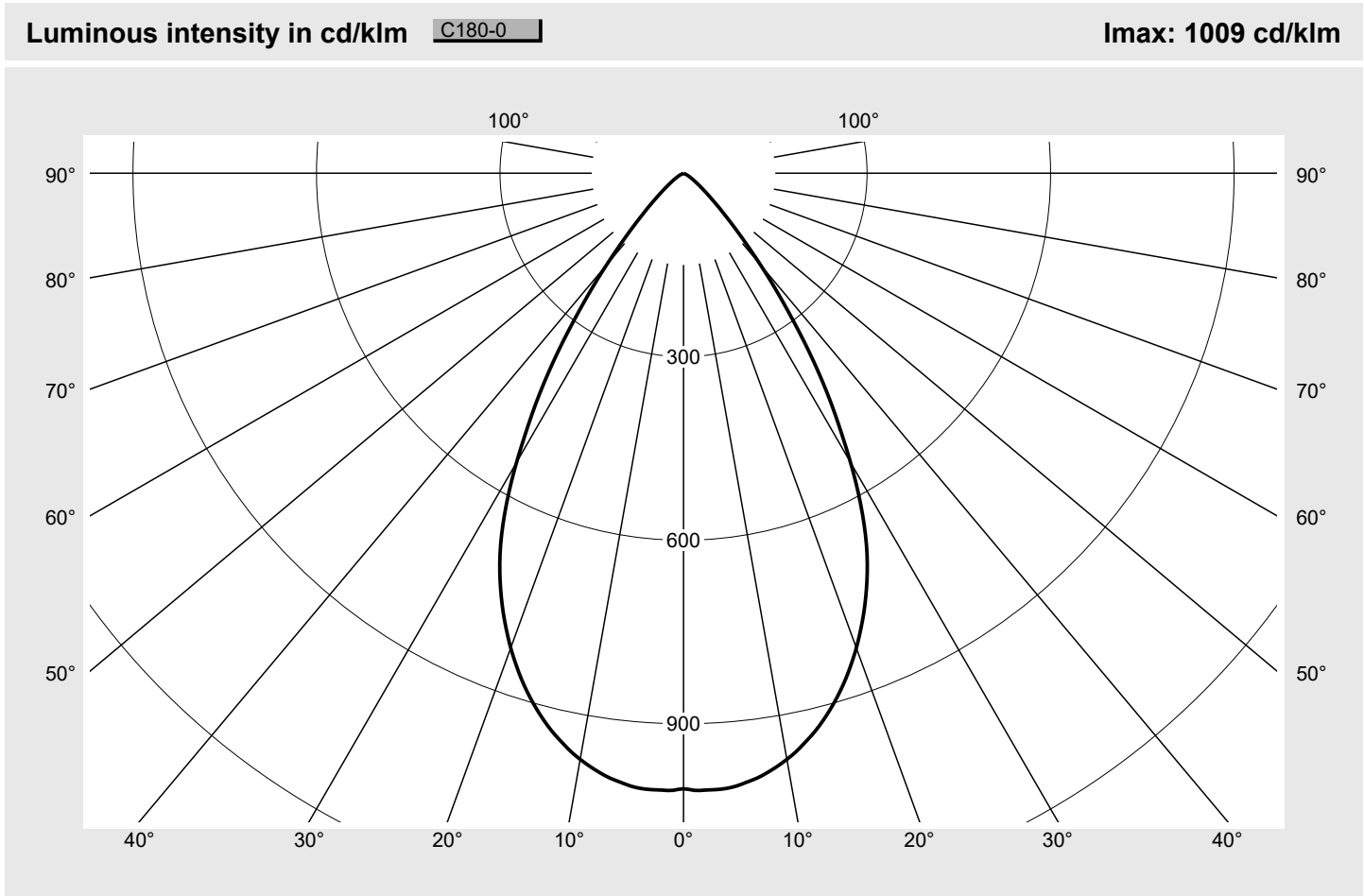


Photometric test report

Family Lunis 21	Order number: 51DB19MD91C EAN: 4069025012906	LP number 59687_3
	Version	recessed luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19 (L65≤3000cd/m²)
	Lamps	LED 6500 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=1, colour temperature 6500K
	Rated values	Net luminous flux = 2050 lm Power consumption = 12.2 W Luminous efficacy = 168 lm/W
		serial documentation 27.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=91 N2=99 N3=100	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 21	Order number: 51DB19MD91C EAN: 4069025012906	LP number 59687_3
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°	1006.3	0.2	0.2
1°	1009.1	1.9	2.2
2°	1009.1	3.9	6.0
3°	1009.1	5.8	11.8
4°	1008.2	7.7	19.5
5°	1005.3	9.6	29.1
6°	1000.6	11.5	40.6
7°	995.8	13.3	53.9
8°	989.2	15.1	69.0
9°	981.6	16.8	85.9
10°	973.0	18.5	104.4
11°	963.5	20.2	124.5
12°	952.1	21.7	146.3
13°	940.6	23.2	169.5
14°	927.6	24.6	194.1
15°	913.3	25.9	220.0
16°	898.0	27.1	247.1
17°	881.7	28.3	275.4
18°	864.2	29.3	304.7
19°	845.4	30.2	334.9
20°	826.0	31.0	365.9
21°	804.9	31.6	397.5
22°	783.3	32.2	429.7
23°	760.4	32.6	462.2
24°	736.3	32.8	495.1
25°	710.8	32.9	528.0
26°	683.2	32.8	560.9
27°	652.4	32.5	593.4
28°	618.9	31.9	625.2
29°	583.3	31.0	656.2
30°	546.0	29.9	686.2
31°	507.6	28.7	714.8
32°	471.1	27.4	742.2
33°	435.2	26.0	768.2
34°	398.1	24.4	792.6
35°	361.0	22.7	815.3
36°	323.6	20.9	836.2
37°	288.1	19.0	855.2
38°	255.5	17.3	872.4
39°	225.0	15.5	888.0
40°	195.9	13.8	901.8
41°	169.3	12.2	914.0
42°	145.6	10.7	924.6
43°	125.3	9.4	934.0
44°	107.4	8.2	942.2
45°	91.9	7.1	949.3
46°	80.0	6.3	955.6

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	68.1	5.5	961.1
48°	58.4	4.8	965.9
49°	50.2	4.2	970.0
50°	43.5	3.7	973.7
51°	37.6	3.2	976.9
52°	32.4	2.8	979.7
53°	28.1	2.5	982.1
54°	24.4	2.2	984.3
55°	21.0	1.9	986.2
56°	18.3	1.7	987.8
57°	15.9	1.5	989.3
58°	13.7	1.3	990.6
59°	11.9	1.1	991.7
60°	10.2	1.0	992.7
61°	8.7	0.8	993.5
62°	7.3	0.7	994.2
63°	6.1	0.6	994.8
64°	5.0	0.5	995.3
65°	4.2	0.4	995.7
66°	3.6	0.4	996.1
67°	3.2	0.3	996.4
68°	3.0	0.3	996.7
69°	2.8	0.3	997.0
70°	2.6	0.3	997.3
71°	2.5	0.3	997.5
72°	2.3	0.2	997.8
73°	2.2	0.2	998.0
74°	2.0	0.2	998.2
75°	1.9	0.2	998.4
76°	1.8	0.2	998.6
77°	1.6	0.2	998.8
78°	1.5	0.2	998.9
79°	1.4	0.2	999.1
80°	1.3	0.1	999.2
81°	1.2	0.1	999.3
82°	1.1	0.1	999.5
83°	0.9	0.1	999.6
84°	0.8	0.1	999.7
85°	0.7	0.1	999.7
86°	0.7	0.1	999.8
87°	0.6	0.1	999.9
88°	0.6	0.1	999.9
89°	0.5	0.1	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB19MD91C EAN: 4069025012906							LP number 59687_3	
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	18.8	20.0	19.1	20.3	20.6	18.8	20.0	19.1	20.3	20.6
	3H	18.7	19.7	19.0	20.0	20.4	18.7	19.7	19.0	20.0	20.4
	4H	18.6	19.6	19.0	19.9	20.3	18.6	19.6	19.0	19.9	20.3
	6H	18.5	19.4	18.9	19.8	20.2	18.5	19.4	18.9	19.8	20.2
	8H	18.6	19.3	19.0	19.7	20.1	18.6	19.3	19.0	19.7	20.1
	12H	18.6	19.2	19.0	19.6	20.0	18.6	19.2	19.0	19.6	20.0
4H	2H	18.6	19.6	19.0	19.9	20.3	18.6	19.6	19.0	19.9	20.3
	3H	18.4	19.2	18.9	19.6	20.0	18.4	19.2	18.9	19.6	20.0
	4H	18.4	19.1	18.8	19.5	19.9	18.4	19.1	18.8	19.5	19.9
	6H	18.3	18.9	18.7	19.3	19.8	18.3	18.9	18.7	19.3	19.8
	8H	18.3	18.8	18.7	19.2	19.7	18.3	18.8	18.7	19.2	19.7
	12H	18.3	18.7	18.8	19.1	19.6	18.3	18.7	18.8	19.1	19.6
8H	4H	18.2	18.8	18.7	19.2	19.7	18.2	18.8	18.7	19.2	19.7
	6H	18.2	18.6	18.7	19.1	19.6	18.2	18.6	18.7	19.1	19.6
	8H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	19.0	19.5
	12H	18.1	18.4	18.6	18.9	19.4	18.1	18.4	18.6	18.9	19.4
12H	4H	18.2	18.7	18.7	19.1	19.6	18.2	18.7	18.7	19.1	19.6
	6H	18.1	18.5	18.7	19.0	19.5	18.1	18.5	18.7	19.0	19.5
	8H	18.1	18.4	18.6	18.9	19.4	18.1	18.4	18.6	18.9	19.4

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 135
C-planes	0°		
γ	Luminance in cd/m²		
45°	18612.2		
50°	9702.6		
55°	5231.6		
60°	2934.0		
65°	1430.8		
70°	1100.9		
75°	1048.6		
80°	1073.8		
85°	1209.4		

Photometric test report

Family
Lunis 21

Order number: 51DB19MD91C
EAN: 4069025012906

LP number
59687_3

Luminance values in cd/m²

γ 65°

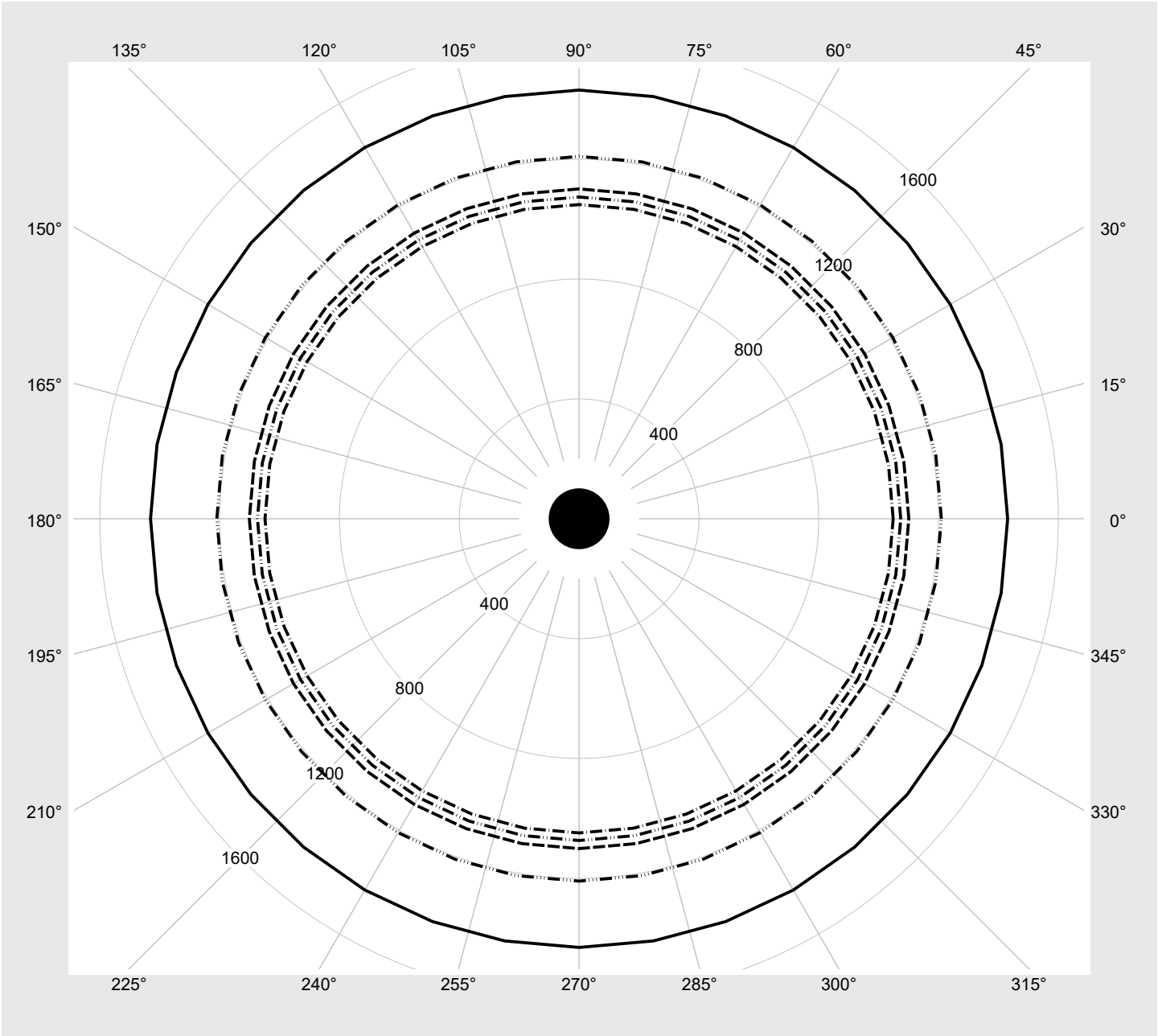
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19MD91C EAN: 4069025012906	LP number 59687_3
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
7	OFF	ON	ON	ON	3570	21.7
6	OFF	ON	ON	OFF	3340	20.3
5	OFF	ON	OFF	ON	3180	19.2
4	OFF	ON	OFF	OFF	2950	17.7
3	OFF	OFF	ON	ON	2590	15.5
2	OFF	OFF	ON	OFF	2310	13.7
1	OFF	OFF	OFF	ON	2050	12.2
0	OFF	OFF	OFF	OFF	1760	10.5