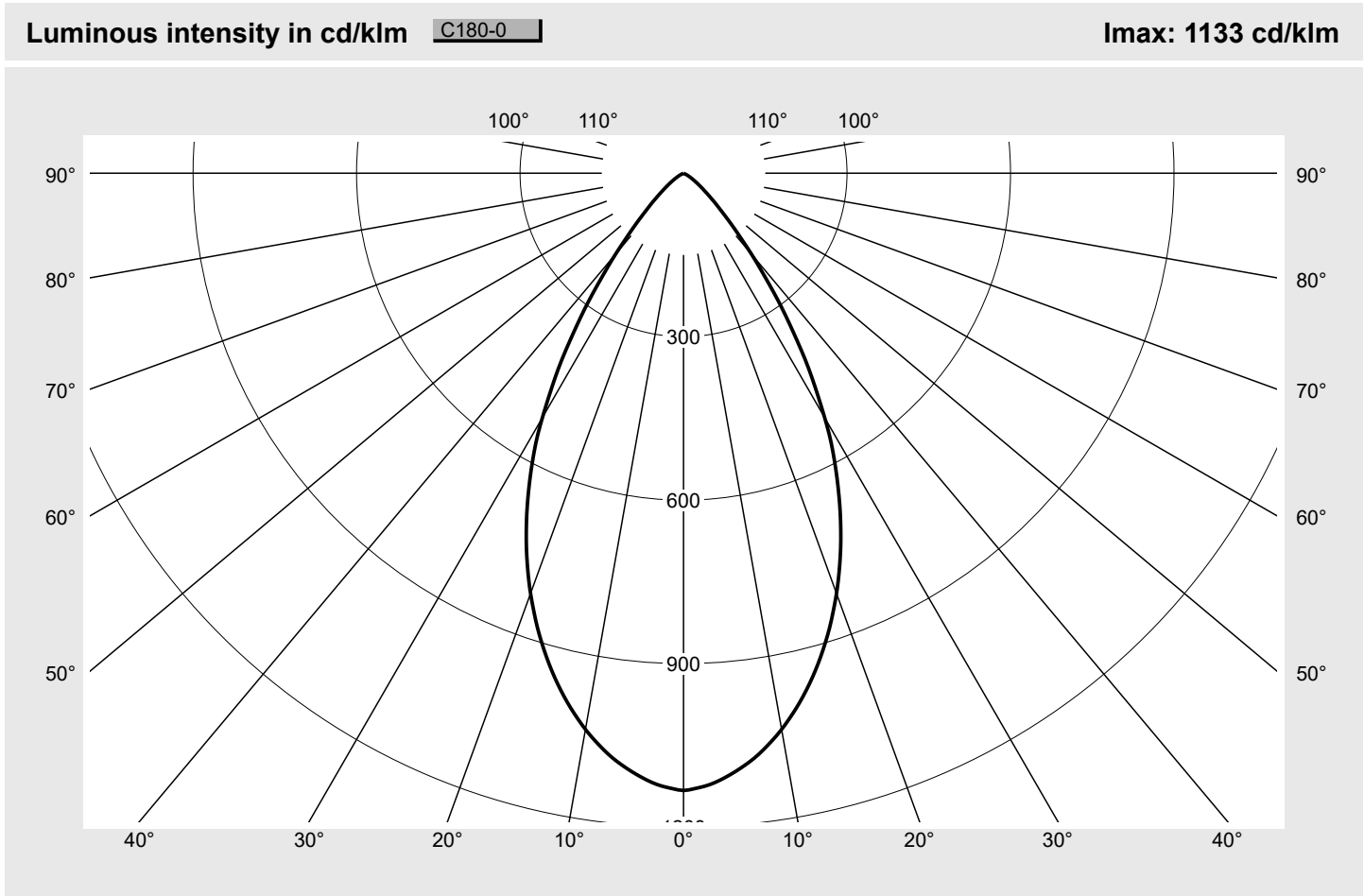


Photometric test report

Family Lunis 21	Order number: 51DB19MF91C EAN: 4069025012890	LP number 59688_1
	Version	recessed luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19 (L65≤1000cd/m²)
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=2, colour temperature 3000K
	Rated values	Net luminous flux = 2290 lm Power consumption = 13.6 W Luminous efficacy = 168.4 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: 51DB19MF91C EAN: 4069025012890	LP number 59688_1
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°	1132.8	0.3	0.3
1°	1129.7	2.2	2.4
2°	1125.6	4.3	6.7
3°	1119.3	6.4	13.2
4°	1111.1	8.5	21.7
5°	1101.7	10.5	32.2
6°	1091.4	12.5	44.7
7°	1080.0	14.4	59.1
8°	1066.5	16.3	75.4
9°	1052.0	18.0	93.5
10°	1036.5	19.7	113.2
11°	1019.3	21.3	134.5
12°	1001.4	22.8	157.4
13°	982.2	24.2	181.6
14°	962.1	25.5	207.1
15°	940.8	26.7	233.8
16°	918.6	27.8	261.6
17°	895.5	28.7	290.3
18°	871.6	29.5	319.8
19°	846.2	30.2	350.0
20°	820.8	30.8	380.8
21°	794.1	31.2	412.0
22°	766.6	31.5	443.5
23°	738.4	31.6	475.2
24°	709.1	31.6	506.8
25°	679.4	31.5	538.3
26°	648.6	31.2	569.5
27°	617.8	30.8	600.2
28°	586.4	30.2	630.4
29°	554.2	29.5	659.9
30°	517.9	28.4	688.3
31°	481.7	27.2	715.5
32°	447.3	26.0	741.5
33°	413.2	24.7	766.1
34°	376.5	23.1	789.2
35°	342.0	21.5	810.7
36°	309.9	20.0	830.7
37°	277.8	18.3	849.0
38°	246.4	16.6	865.7
39°	219.3	15.1	880.8
40°	194.3	13.7	894.5
41°	169.2	12.2	906.7
42°	148.4	10.9	917.6
43°	130.2	9.7	927.3
44°	113.3	8.6	935.9
45°	98.6	7.6	943.6
46°	86.9	6.9	950.4

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	76.7	6.1	956.6
48°	66.5	5.4	962.0
49°	58.3	4.8	966.8
50°	50.6	4.2	971.1
51°	44.6	3.8	974.9
52°	38.9	3.4	978.2
53°	33.9	3.0	981.2
54°	29.4	2.6	983.8
55°	25.5	2.3	986.1
56°	21.9	2.0	988.1
57°	18.8	1.7	989.8
58°	15.9	1.5	991.3
59°	13.4	1.3	992.6
60°	11.2	1.1	993.6
61°	9.2	0.9	994.5
62°	7.5	0.7	995.2
63°	6.0	0.6	995.8
64°	4.8	0.5	996.3
65°	3.7	0.4	996.7
66°	2.9	0.3	997.0
67°	2.4	0.2	997.2
68°	2.2	0.2	997.4
69°	2.1	0.2	997.7
70°	1.9	0.2	997.9
71°	1.8	0.2	998.0
72°	1.7	0.2	998.2
73°	1.6	0.2	998.4
74°	1.5	0.2	998.6
75°	1.4	0.2	998.7
76°	1.3	0.1	998.8
77°	1.2	0.1	999.0
78°	1.2	0.1	999.1
79°	1.1	0.1	999.2
80°	1.0	0.1	999.3
81°	0.9	0.1	999.4
82°	0.9	0.1	999.5
83°	0.8	0.1	999.6
84°	0.7	0.1	999.7
85°	0.7	0.1	999.8
86°	0.6	0.1	999.8
87°	0.6	0.1	999.9
88°	0.5	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: 51DB19MF91C EAN: 4069025012890							LP number 59688_1	
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	17.1	18.3	17.4	18.6	18.9	17.1	18.3	17.4	18.6	18.9
	3H	17.0	18.0	17.3	18.3	18.7	17.0	18.0	17.3	18.3	18.7
	4H	16.9	17.8	17.3	18.2	18.6	16.9	17.8	17.3	18.2	18.6
	6H	16.8	17.7	17.2	18.1	18.4	16.8	17.7	17.2	18.1	18.4
	8H	16.9	17.6	17.3	18.0	18.4	16.9	17.6	17.3	18.0	18.4
	12H	16.9	17.5	17.3	17.9	18.3	16.9	17.5	17.3	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	16.7	17.5	17.2	17.9	18.3	16.7	17.5	17.2	17.9	18.3
	4H	16.6	17.4	17.1	17.8	18.2	16.6	17.4	17.1	17.8	18.2
	6H	16.6	17.2	17.0	17.6	18.1	16.6	17.2	17.0	17.6	18.1
	8H	16.5	17.1	17.0	17.5	18.0	16.5	17.1	17.0	17.5	18.0
	12H	16.5	17.0	17.0	17.4	17.9	16.5	17.0	17.0	17.4	17.9
8H	4H	16.5	17.1	17.0	17.5	18.0	16.5	17.1	17.0	17.5	18.0
	6H	16.4	16.9	16.9	17.3	17.8	16.4	16.9	16.9	17.3	17.8
	8H	16.4	16.8	16.9	17.2	17.8	16.4	16.8	16.9	17.2	17.8
	12H	16.4	16.6	16.9	17.2	17.7	16.4	16.6	16.9	17.2	17.7
12H	4H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4	17.9
	6H	16.4	16.7	16.9	17.2	17.8	16.4	16.7	16.9	17.2	17.8
	8H	16.4	16.6	16.9	17.1	17.7	16.4	16.6	16.9	17.1	17.7

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 182
C-planes		0°		
γ	Luminance in cd/m²			
45°	12280.3			
50°	6926.8			
55°	3910.8			
60°	1974.4			
65°	777.1			
70°	501.3			
75°	482.3			
80°	513.0			
85°	660.5			

Photometric test report

Family
Lunis 21

Order number: 51DB19MF91C
EAN: 4069025012890

LP number
59688_1

Luminance values in cd/m²

γ 65°

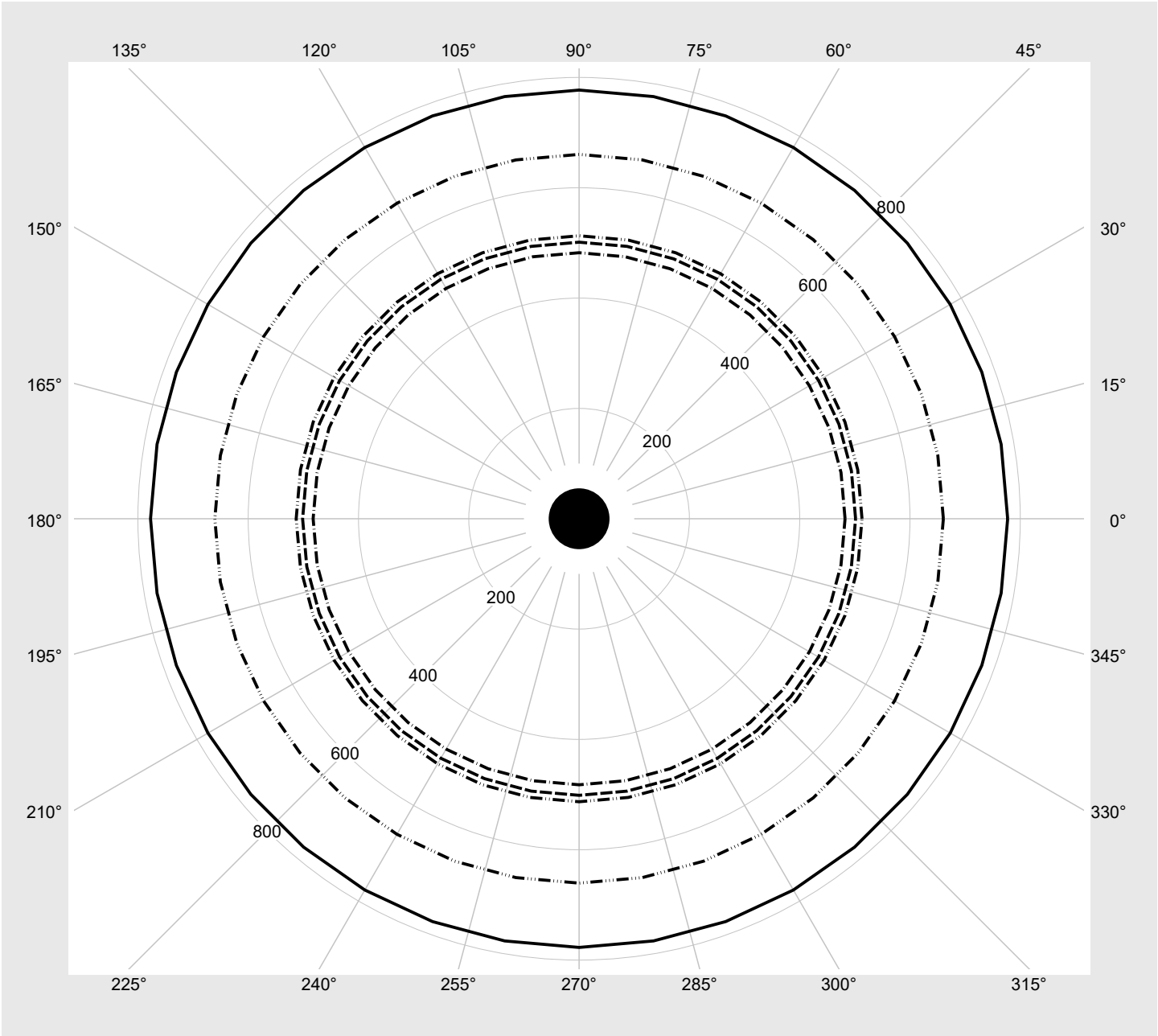
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19MF91C EAN: 4069025012890	LP number 59688_1
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	3450	21.7
6	OFF	ON	ON	OFF	3290	20.6
5	OFF	ON	OFF	ON	3110	19.1
4	OFF	ON	OFF	OFF	2940	17.7
3	OFF	OFF	ON	ON	2560	15.3
2	OFF	OFF	ON	OFF	2290	13.6
1	OFF	OFF	OFF	ON	2040	12.1
0	OFF	OFF	OFF	OFF	1760	10.4