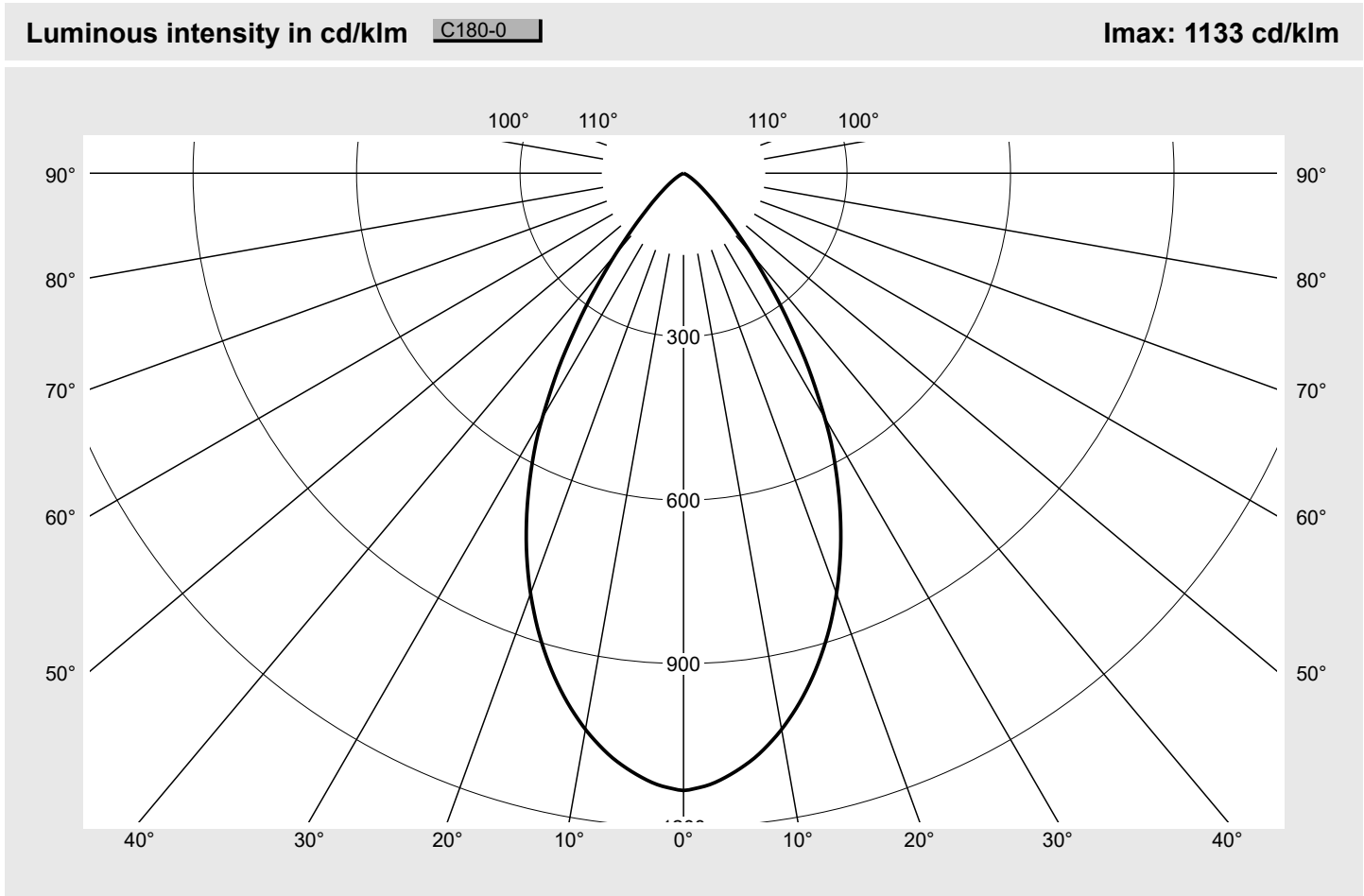


Photometric test report

Family Lunis 21	Order number: 51DB19EF91C EAN: 4069025012937	LP number 59688_4
	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=6, colour temperature 3000K
	Rated values	Net luminous flux = 2220 lm Power consumption = 13.6 W Luminous efficacy = 163.2 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: 51DB19EF91C EAN: 4069025012937	LP number 59688_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°	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: 51DB19EF91C EAN: 4069025012937							LP number 59688_4	
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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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)			
2H	x									
	y									
	2H	17.0	18.2	17.3	18.5	18.8	17.0	18.2	17.3	18.5
	3H	16.8	17.9	17.2	18.2	18.6	16.8	17.9	17.2	18.2
	4H	16.8	17.7	17.2	18.1	18.5	16.8	17.7	17.2	18.1
	6H	16.7	17.6	17.1	17.9	18.3	16.7	17.6	17.1	17.9
4H	8H	16.8	17.5	17.2	17.9	18.3	16.8	17.5	17.2	17.9
	12H	16.7	17.4	17.2	17.8	18.2	16.7	17.4	17.2	17.8
	2H	16.8	17.8	17.2	18.1	18.5	16.8	17.8	17.2	18.1
	3H	16.6	17.4	17.1	17.8	18.2	16.6	17.4	17.1	17.8
	4H	16.5	17.2	17.0	17.7	18.1	16.5	17.2	17.0	17.7
	6H	16.5	17.1	16.9	17.5	18.0	16.5	17.1	16.9	17.5
8H	8H	16.4	17.0	16.9	17.4	17.9	16.4	17.0	16.9	17.4
	12H	16.4	16.9	16.9	17.3	17.8	16.4	16.9	16.9	17.3
	4H	16.4	16.9	16.9	17.4	17.9	16.4	16.9	16.9	17.4
	6H	16.3	16.7	16.8	17.2	17.7	16.3	16.7	16.8	17.2
	8H	16.3	16.6	16.8	17.1	17.7	16.3	16.6	16.8	17.1
	12H	16.3	16.5	16.8	17.0	17.6	16.3	16.5	16.8	17.0
12H	4H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3
	6H	16.3	16.6	16.8	17.1	17.7	16.3	16.6	16.8	17.1
	8H	16.2	16.5	16.8	17.0	17.6	16.2	16.5	16.8	17.0
	2H	16.8	17.9	17.2	18.2	18.6	16.8	17.9	17.2	18.2
	3H	16.8	17.7	17.2	18.1	18.5	16.8	17.7	17.2	18.1
	6H	16.7	17.6	17.1	17.9	18.3	16.7	17.6	17.1	17.9

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 182
C-planes	0°		
γ	Luminance in cd/m²		
45°	11905.0		
50°	6715.0		
55°	3791.2		
60°	1914.0		
65°	753.4		
70°	486.0		
75°	467.5		
80°	497.3		
85°	640.3		

Photometric test report

Family
Lunis 21

Order number: 51DB19EF91C
EAN: 4069025012937

LP number
59688_4

Luminance values in cd/m²

γ 65°

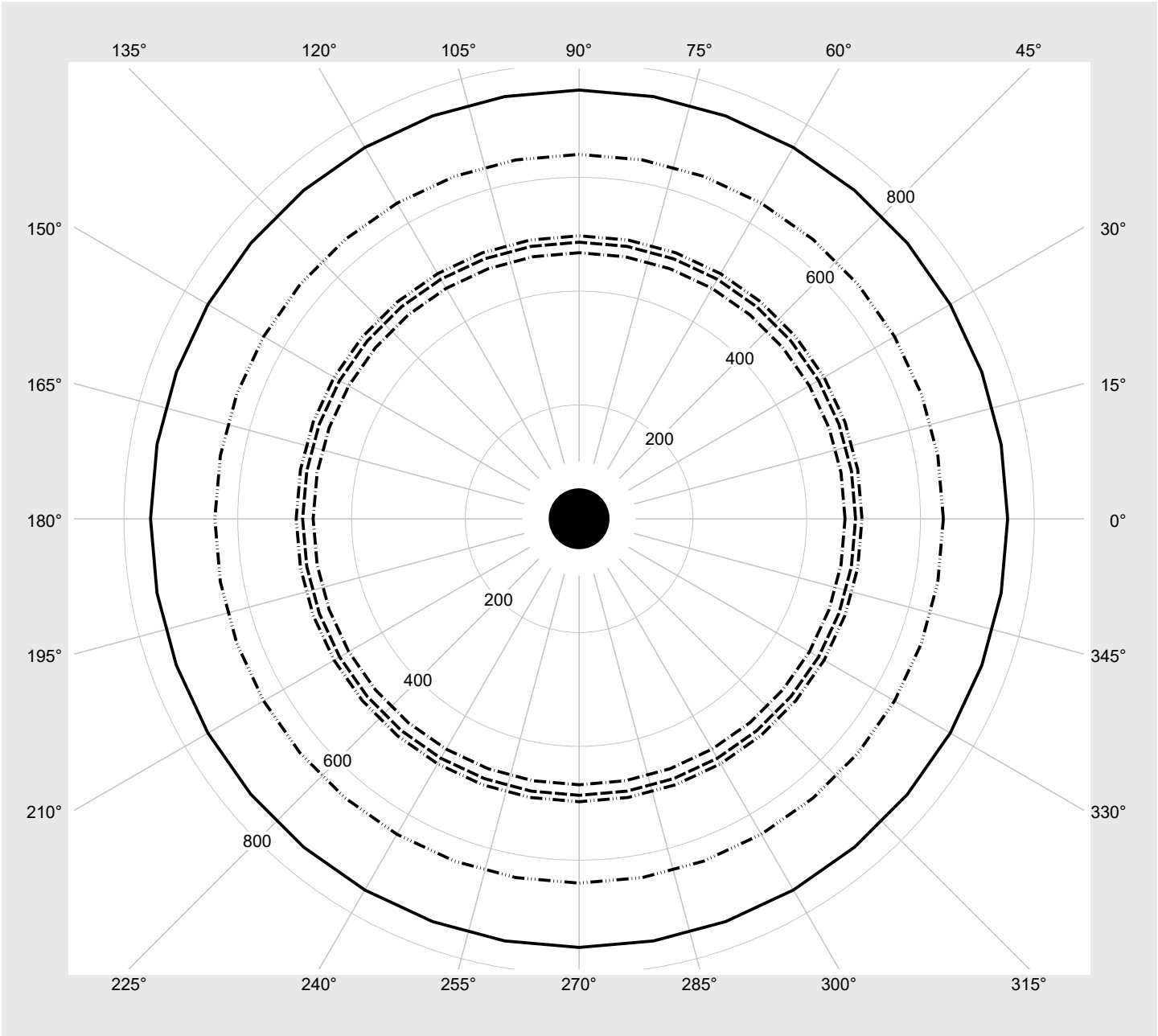
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19EF91C EAN: 4069025012937	LP number 59688_4
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
12	ON	ON	OFF	OFF	3790	25.4
11	ON	OFF	ON	ON	3350	21.7
10	ON	OFF	ON	OFF	3190	20.6
9	ON	OFF	OFF	ON	3020	19.1
8	ON	OFF	OFF	OFF	2850	17.7
7	OFF	ON	ON	ON	2490	15.3
6	OFF	ON	ON	OFF	2220	13.6
5	OFF	ON	OFF	ON	1980	12.1
4	OFF	ON	OFF	OFF	1710	10.4
3	OFF	OFF	ON	ON	1610	9.7
2	OFF	OFF	ON	OFF	1330	8.0
1	OFF	OFF	OFF	ON	1020	6.1
0	OFF	OFF	OFF	OFF	740	4.4