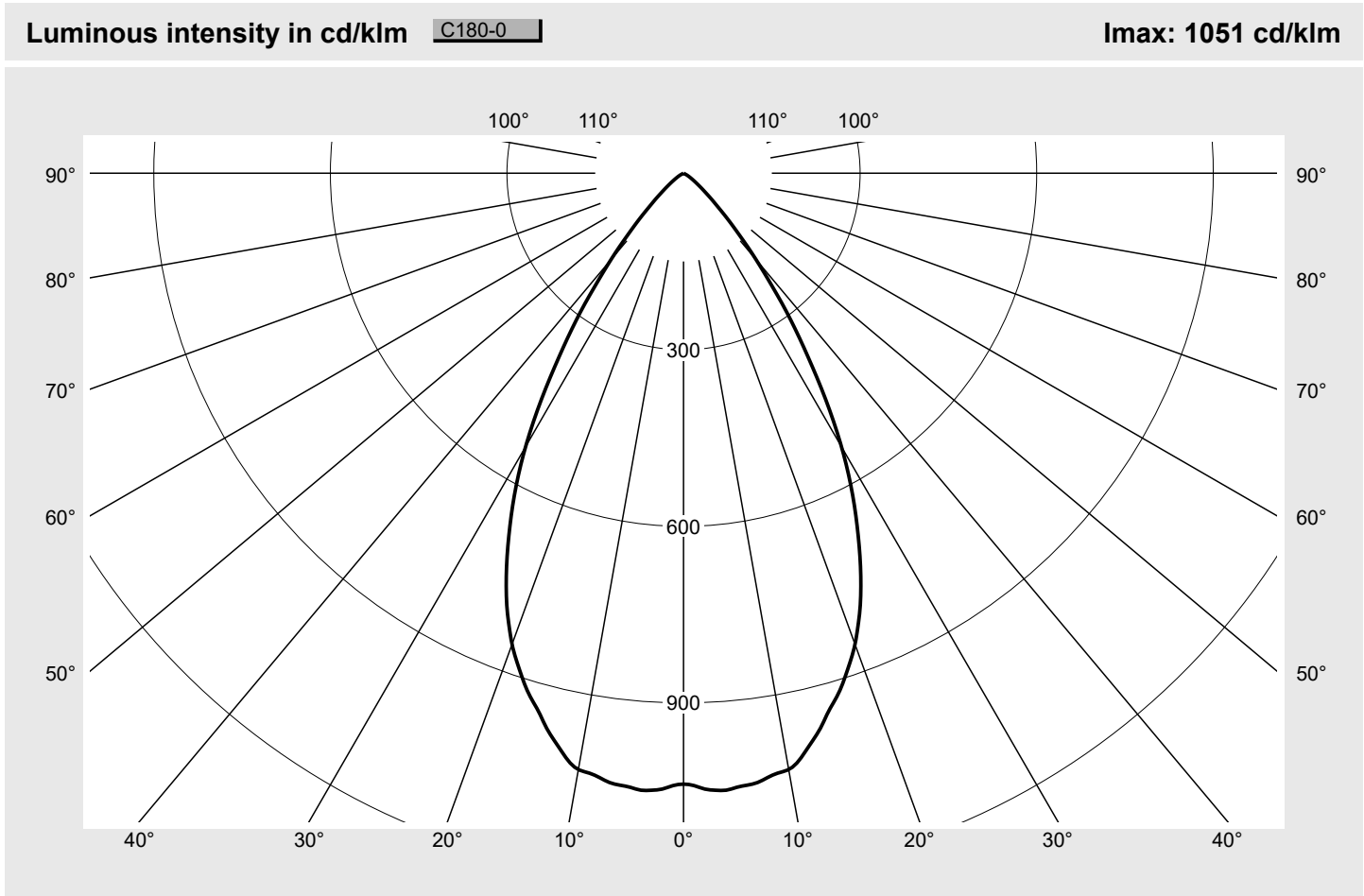


Photometric test report

Family Lunis 21	Order number: 51DB15TF91C EAN: 4069025013330	LP number 59676_7
	Version	recessed luminaire, Combined lens and reflector optics, reflector, highly specular, rotationally symmetrical wide distribution, tunable white, UGR≤19 (L65≤1000cd/m²)
	Lamps	LED 3000 K ... 6500 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=6, colour temperature 4000K
	Rated values	at 4000 K Net luminous flux = 2430 lm Power consumption = 13.6 W Luminous efficacy = 178.7 lm/W
		serial documentation 27.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=92 N2=100 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: 51DB15TF91C EAN: 4069025013330	LP number 59676_7
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°	1038.0	0.2	0.2
1°	1040.8	2.0	2.2
2°	1047.2	4.0	6.2
3°	1049.9	6.0	12.3
4°	1050.8	8.0	20.3
5°	1047.2	10.0	30.3
6°	1045.3	12.0	42.3
7°	1042.6	13.9	56.2
8°	1036.2	15.8	72.0
9°	1031.6	17.7	89.7
10°	1028.9	19.6	109.3
11°	1018.8	21.3	130.7
12°	1002.4	22.9	153.5
13°	985.9	24.3	177.8
14°	968.6	25.7	203.5
15°	948.5	26.9	230.4
16°	932.0	28.2	258.6
17°	914.7	29.3	287.9
18°	894.3	30.3	318.3
19°	873.7	31.2	349.4
20°	851.9	32.0	381.4
21°	826.3	32.5	413.9
22°	800.1	32.9	446.7
23°	770.8	33.0	479.8
24°	739.9	33.0	512.8
25°	707.6	32.8	545.6
26°	674.6	32.4	578.0
27°	641.8	32.0	609.9
28°	608.1	31.3	641.2
29°	573.2	30.5	671.7
30°	536.7	29.4	701.2
31°	498.5	28.2	729.3
32°	459.3	26.7	756.0
33°	419.9	25.1	781.1
34°	381.6	23.4	804.5
35°	346.7	21.8	826.3
36°	313.2	20.2	846.5
37°	280.7	18.5	865.0
38°	247.0	16.7	881.7
39°	217.9	15.0	896.7
40°	191.8	13.5	910.2
41°	167.4	12.0	922.3
42°	143.5	10.5	932.8
43°	123.9	9.3	942.1
44°	106.6	8.1	950.2
45°	90.1	7.0	957.2
46°	76.4	6.0	963.2

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	66.2	5.3	968.5
48°	56.1	4.6	973.1
49°	47.5	3.9	977.0
50°	40.9	3.4	980.4
51°	34.7	3.0	983.4
52°	29.6	2.6	986.0
53°	25.4	2.2	988.2
54°	21.4	1.9	990.1
55°	18.4	1.7	991.7
56°	15.6	1.4	993.1
57°	13.3	1.2	994.4
58°	11.1	1.0	995.4
59°	9.3	0.9	996.3
60°	7.5	0.7	997.0
61°	5.9	0.6	997.6
62°	4.5	0.4	998.0
63°	3.3	0.3	998.3
64°	2.2	0.2	998.5
65°	1.4	0.1	998.7
66°	0.9	0.1	998.8
67°	0.6	0.1	998.8
68°	0.6	0.1	998.9
69°	0.6	0.1	998.9
70°	0.6	0.1	999.0
71°	0.6	0.1	999.0
72°	0.5	0.1	999.1
73°	0.5	0.1	999.2
74°	0.5	0.1	999.2
75°	0.5	0.1	999.3
76°	0.5	0.1	999.3
77°	0.5	0.1	999.4
78°	0.5	0.1	999.4
79°	0.5	0.1	999.5
80°	0.5	0.1	999.5
81°	0.5	0.1	999.6
82°	0.5	0.1	999.7
83°	0.5	0.1	999.7
84°	0.5	0.1	999.8
85°	0.5	0.0	999.8
86°	0.5	0.0	999.9
87°	0.4	0.0	999.9
88°	0.4	0.0	1000.0
89°	0.4	0.0	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB15TF91C EAN: 4069025013330							LP number 59676_7	
UGR-Table			Standard room							sitemco	
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	16.9	18.0	17.3	18.3	18.7	16.9	18.0	17.3	18.3	18.7
	4H	16.9	17.8	17.3	18.2	18.5	16.9	17.8	17.3	18.2	18.5
	6H	16.8	17.6	17.2	18.0	18.4	16.8	17.6	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	17.3	17.9	18.3	16.8	17.5	17.3	17.9	18.3
4H	2H	16.9	17.8	17.3	18.2	18.6	16.9	17.8	17.3	18.2	18.6
	3H	16.7	17.5	17.1	17.9	18.3	16.7	17.5	17.1	17.9	18.3
	4H	16.6	17.3	17.1	17.7	18.2	16.6	17.3	17.1	17.7	18.2
	6H	16.5	17.1	17.0	17.5	18.0	16.5	17.1	17.0	17.5	18.0
	8H	16.5	17.0	17.0	17.5	17.9	16.5	17.0	17.0	17.5	17.9
	12H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4	17.9
8H	4H	16.5	17.0	17.0	17.4	17.9	16.5	17.0	17.0	17.4	17.9
	6H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3	17.8
	8H	16.3	16.7	16.8	17.2	17.7	16.3	16.7	16.8	17.2	17.7
	12H	16.3	16.6	16.8	17.1	17.6	16.3	16.6	16.8	17.1	17.6
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	17.7	16.4	16.7	16.9	17.2	17.7
	8H	16.3	16.6	16.8	17.1	17.6	16.3	16.6	16.8	17.1	17.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 182
C-planes	0°			
γ	Luminance in cd/m²			
45°	11902.5			
50°	5942.0			
55°	2995.4			
60°	1403.9			
65°	312.3			
70°	153.5			
75°	191.3			
80°	264.6			
85°	487.6			

Photometric test report

Family
Lunis 21

Order number: 51DB15TF91C
EAN: 4069025013330

LP number
59676_7

Luminance values in cd/m²

γ 65°

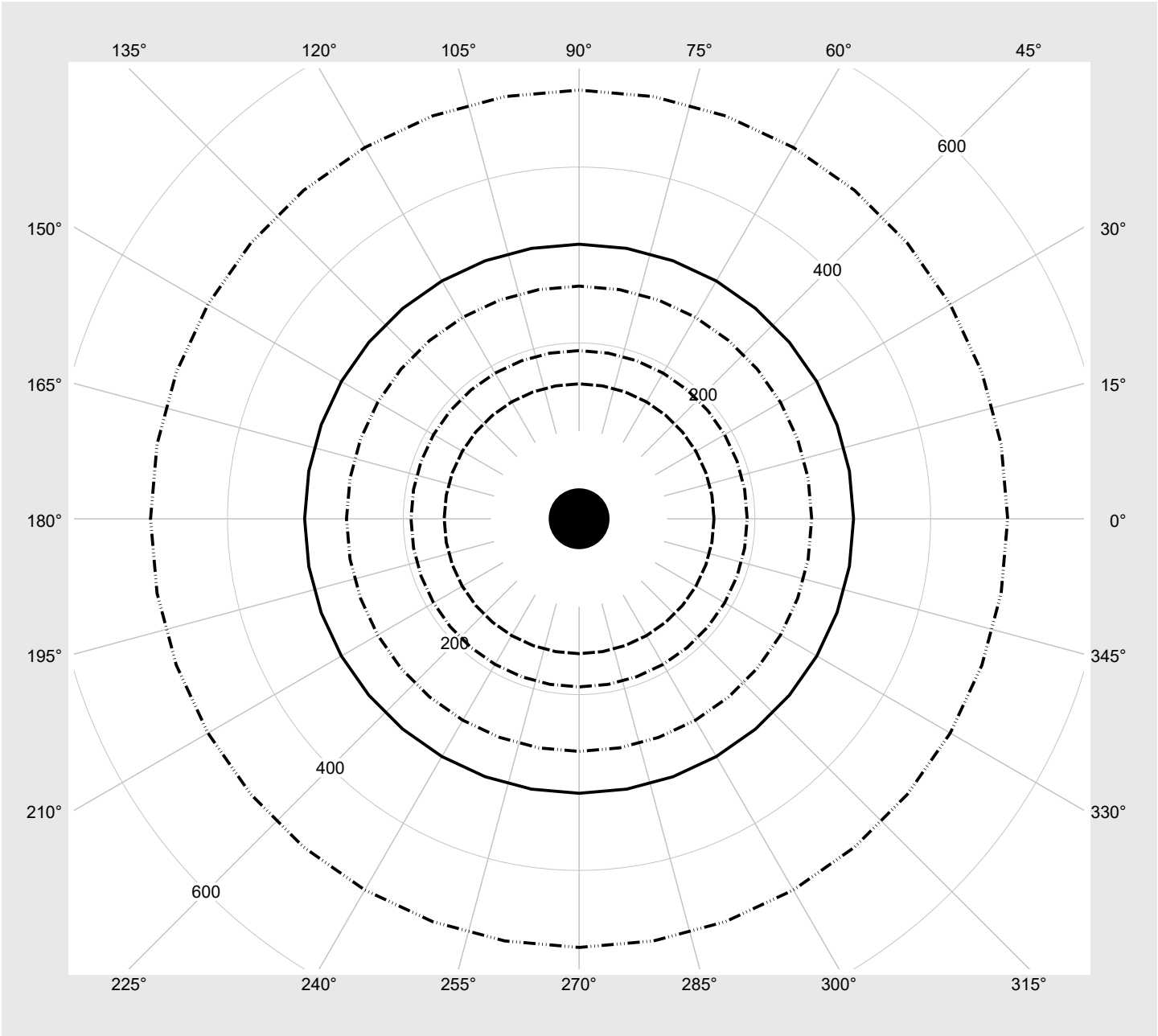
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB15TF91C EAN: 4069025013330	LP number 59676_7
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	4150	25.4
11	ON	OFF	ON	ON	3670	21.7
10	ON	OFF	ON	OFF	3500	20.6
9	ON	OFF	OFF	ON	3310	19.1
8	ON	OFF	OFF	OFF	3120	17.7
7	OFF	ON	ON	ON	2730	15.3
6	OFF	ON	ON	OFF	2430	13.6
5	OFF	ON	OFF	ON	2170	12.1
4	OFF	ON	OFF	OFF	1870	10.4
3	OFF	OFF	ON	ON	1760	9.7
2	OFF	OFF	ON	OFF	1460	8.0
1	OFF	OFF	OFF	ON	1120	6.1
0	OFF	OFF	OFF	OFF	810	4.4