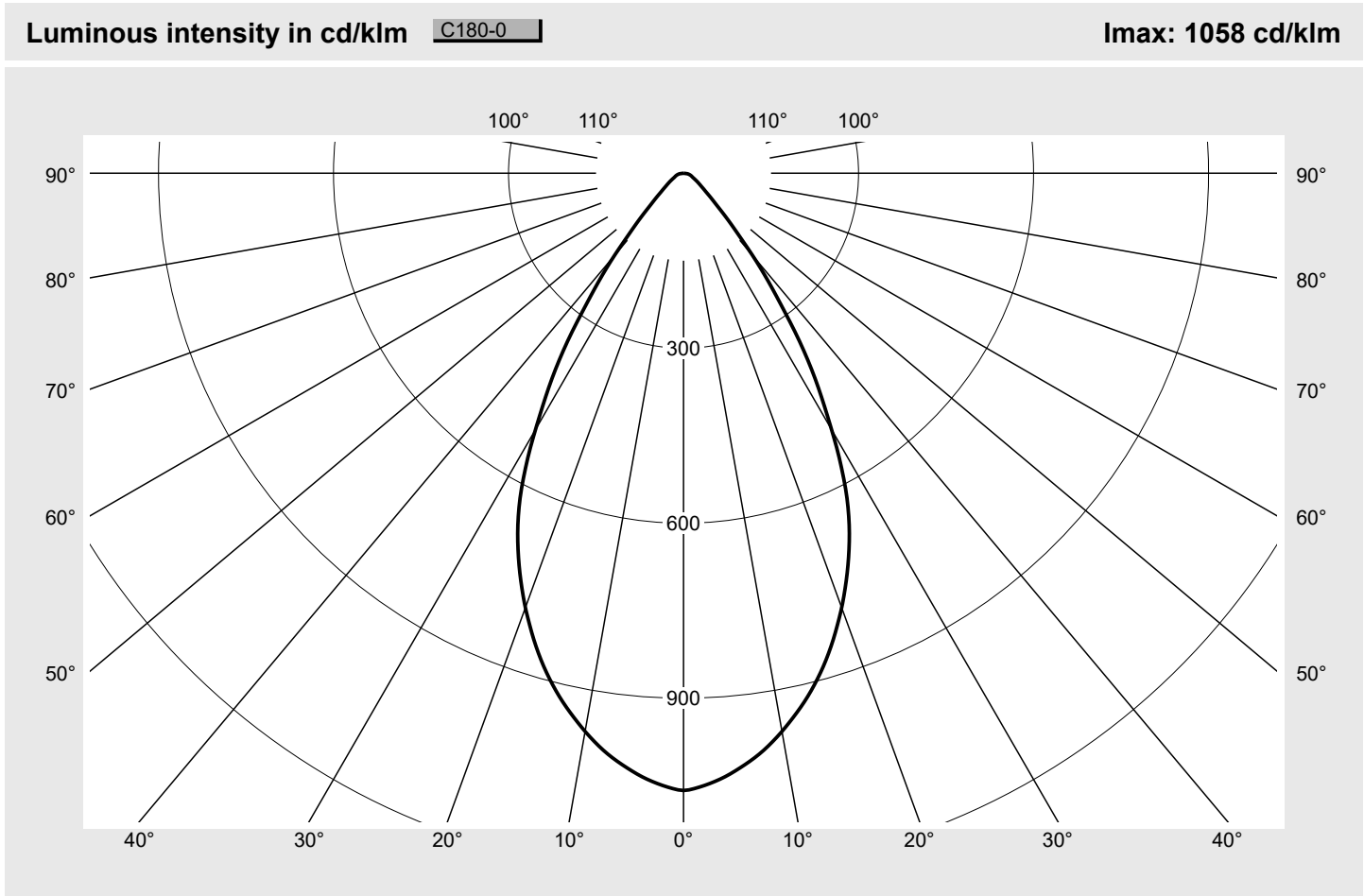


Photometric test report

Family Lunis 21	Order number: 51DB18ED91C EAN: 4069025013064	LP number 59683_4	
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K	serial documentation 27.09.2024
	Lamps	LED 3000 K CRI ≥ 80	
	Controlgear	ECG Multilumen	
	Setting	individual position: DIP-Step=5, colour temperature 3000K	
	Rated values	Net luminous flux = 2010 lm Power consumption = 12.2 W Luminous efficacy = 164.8 lm/W	
			siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=87 N2=97 N3=99	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: 51DB18ED91C EAN: 4069025013064	LP number 59683_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°	1058.2	0.3	0.3
1°	1055.1	2.0	2.3
2°	1050.0	4.0	6.3
3°	1043.8	6.0	12.3
4°	1036.6	7.9	20.2
5°	1028.0	9.8	30.0
6°	1018.7	11.7	41.7
7°	1008.8	13.5	55.2
8°	997.7	15.2	70.4
9°	985.1	16.9	87.3
10°	971.8	18.5	105.8
11°	957.4	20.0	125.9
12°	942.8	21.5	147.4
13°	927.6	22.9	170.2
14°	911.2	24.2	194.4
15°	893.8	25.4	219.8
16°	875.5	26.5	246.2
17°	855.9	27.4	273.7
18°	835.5	28.3	302.0
19°	814.0	29.1	331.1
20°	792.6	29.7	360.8
21°	769.9	30.3	391.0
22°	746.7	30.7	421.7
23°	722.8	31.0	452.7
24°	698.1	31.1	483.8
25°	672.4	31.2	515.0
26°	644.5	31.0	546.0
27°	614.1	30.6	576.6
28°	580.0	29.9	606.4
29°	544.8	29.0	635.4
30°	507.5	27.8	663.2
31°	472.2	26.7	689.9
32°	439.1	25.5	715.4
33°	406.1	24.3	739.6
34°	371.5	22.8	762.4
35°	335.8	21.1	783.5
36°	298.6	19.2	802.8
37°	266.3	17.6	820.4
38°	238.0	16.1	836.4
39°	210.9	14.6	851.0
40°	184.3	13.0	864.0
41°	158.1	11.4	875.4
42°	136.8	10.0	885.4
43°	119.9	9.0	894.4
44°	104.7	8.0	902.3
45°	90.9	7.0	909.4
46°	79.3	6.3	915.6

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	70.8	5.7	921.3
48°	63.6	5.2	926.5
49°	57.1	4.7	931.2
50°	51.2	4.3	935.5
51°	47.0	4.0	939.5
52°	43.3	3.7	943.3
53°	39.7	3.5	946.8
54°	36.8	3.3	950.0
55°	34.5	3.1	953.1
56°	32.2	2.9	956.0
57°	30.1	2.8	958.8
58°	28.3	2.6	961.4
59°	26.4	2.5	963.9
60°	24.7	2.3	966.3
61°	23.1	2.2	968.5
62°	21.6	2.1	970.6
63°	20.3	2.0	972.6
64°	19.0	1.9	974.4
65°	17.9	1.8	976.2
66°	17.0	1.7	977.9
67°	16.3	1.6	979.6
68°	15.8	1.6	981.2
69°	15.1	1.6	982.7
70°	14.6	1.5	984.2
71°	14.0	1.4	985.7
72°	13.4	1.4	987.1
73°	12.8	1.3	988.4
74°	12.1	1.3	989.7
75°	11.5	1.2	990.9
76°	10.9	1.2	992.1
77°	10.2	1.1	993.2
78°	9.6	1.0	994.2
79°	8.9	1.0	995.1
80°	8.2	0.9	996.0
81°	7.4	0.8	996.8
82°	6.5	0.7	997.5
83°	5.5	0.6	998.1
84°	4.5	0.5	998.6
85°	3.7	0.4	999.0
86°	3.1	0.3	999.4
87°	2.6	0.3	999.6
88°	2.0	0.2	999.9
89°	1.3	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: 51DB18ED91C EAN: 4069025013064	LP number 59683_4
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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	19.2	20.4	20.7	18.8	20.0	19.2	20.4	20.7
	3H	19.0	20.1	19.4	20.5	20.8	19.0	20.1	19.4	20.5	20.8
	4H	19.2	20.2	19.6	20.6	21.0	19.2	20.2	19.6	20.6	21.0
	6H	19.4	20.3	19.8	20.7	21.1	19.4	20.3	19.8	20.7	21.1
	8H	19.6	20.4	20.1	20.8	21.2	19.6	20.4	20.1	20.8	21.2
	12H	19.7	20.4	20.1	20.8	21.2	19.7	20.4	20.1	20.8	21.2
4H	2H	18.8	19.8	19.2	20.1	20.5	18.8	19.8	19.2	20.1	20.5
	3H	19.2	20.0	19.6	20.4	20.8	19.2	20.0	19.6	20.4	20.8
	4H	19.4	20.2	19.9	20.6	21.0	19.4	20.2	19.9	20.6	21.0
	6H	19.8	20.4	20.2	20.9	21.3	19.8	20.4	20.2	20.9	21.3
	8H	19.9	20.5	20.4	21.0	21.4	19.9	20.5	20.4	21.0	21.4
	12H	20.1	20.5	20.6	21.0	21.5	20.1	20.5	20.6	21.0	21.5
8H	4H	19.5	20.1	20.0	20.6	21.0	19.5	20.1	20.0	20.6	21.0
	6H	20.0	20.5	20.5	20.9	21.4	20.0	20.5	20.5	20.9	21.4
	8H	20.2	20.6	20.7	21.1	21.6	20.2	20.6	20.7	21.1	21.6
	12H	20.4	20.7	20.9	21.2	21.8	20.4	20.7	20.9	21.2	21.8
12H	4H	19.6	20.0	20.1	20.5	21.0	19.6	20.0	20.1	20.5	21.0
	6H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
	8H	20.3	20.6	20.8	21.1	21.7	20.3	20.6	20.8	21.1	21.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 135
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C-planes		0°
γ	Luminance in cd/m²	
45°	18050.9	
50°	11194.5	
55°	8437.5	
60°	6938.3	
65°	5958.3	
70°	5980.4	
75°	6244.2	
80°	6612.5	
85°	5924.3	

Photometric test report

Family
Lunis 21

Order number: 51DB18ED91C
EAN: 4069025013064

LP number
59683_4

Luminance values in cd/m²

γ 65°

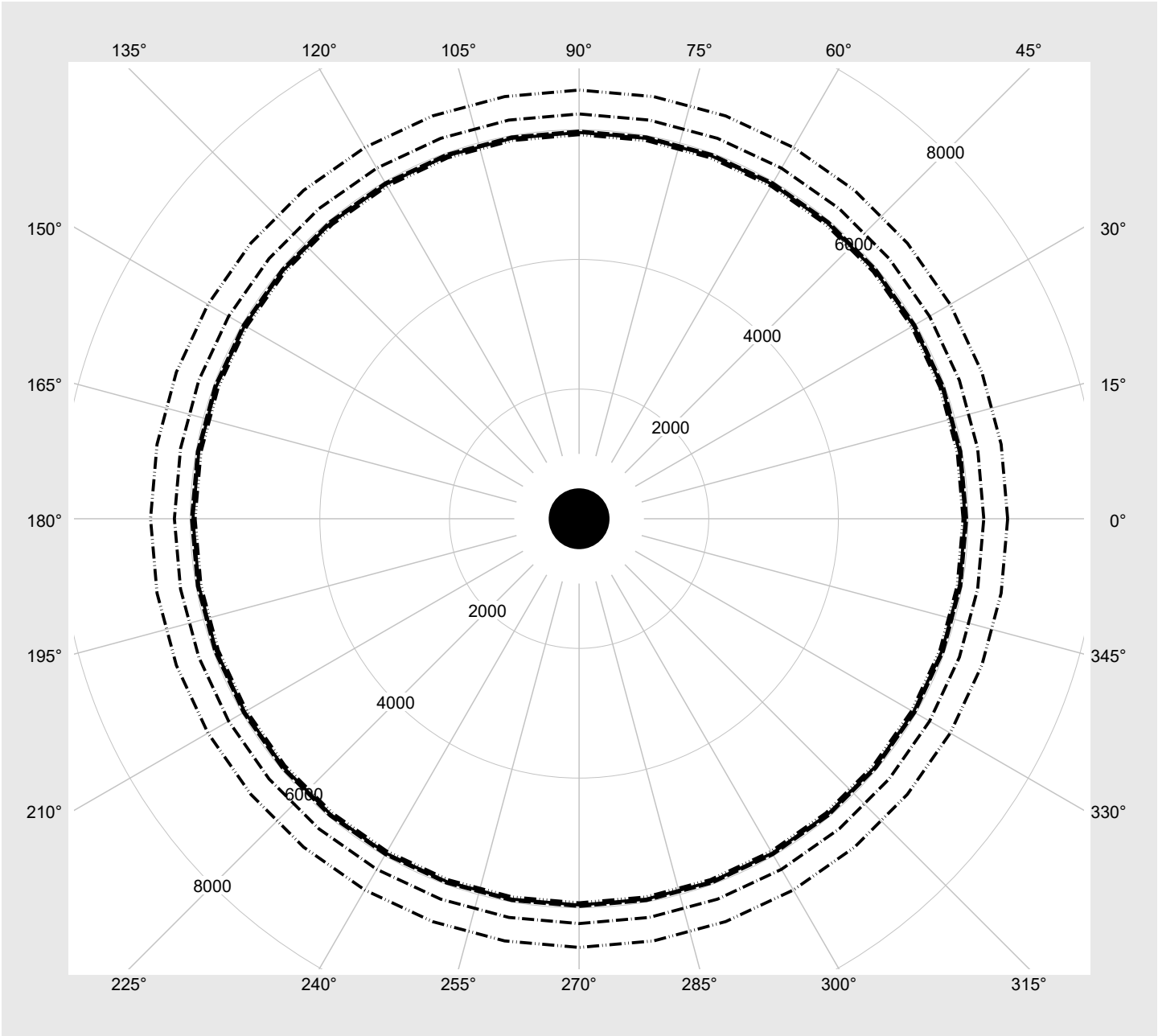
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB18ED91C EAN: 4069025013064	LP number 59683_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	3900	25.4
11	ON	OFF	ON	ON	3490	21.7
10	ON	OFF	ON	OFF	3280	20.3
9	ON	OFF	OFF	ON	3120	19.2
8	ON	OFF	OFF	OFF	2900	17.7
7	OFF	ON	ON	ON	2530	15.5
6	OFF	ON	ON	OFF	2260	13.7
5	OFF	ON	OFF	ON	2010	12.2
4	OFF	ON	OFF	OFF	1730	10.5
3	OFF	OFF	ON	ON	1610	9.7
2	OFF	OFF	ON	OFF	1340	8.0
1	OFF	OFF	OFF	ON	1030	6.1
0	OFF	OFF	OFF	OFF	750	4.4