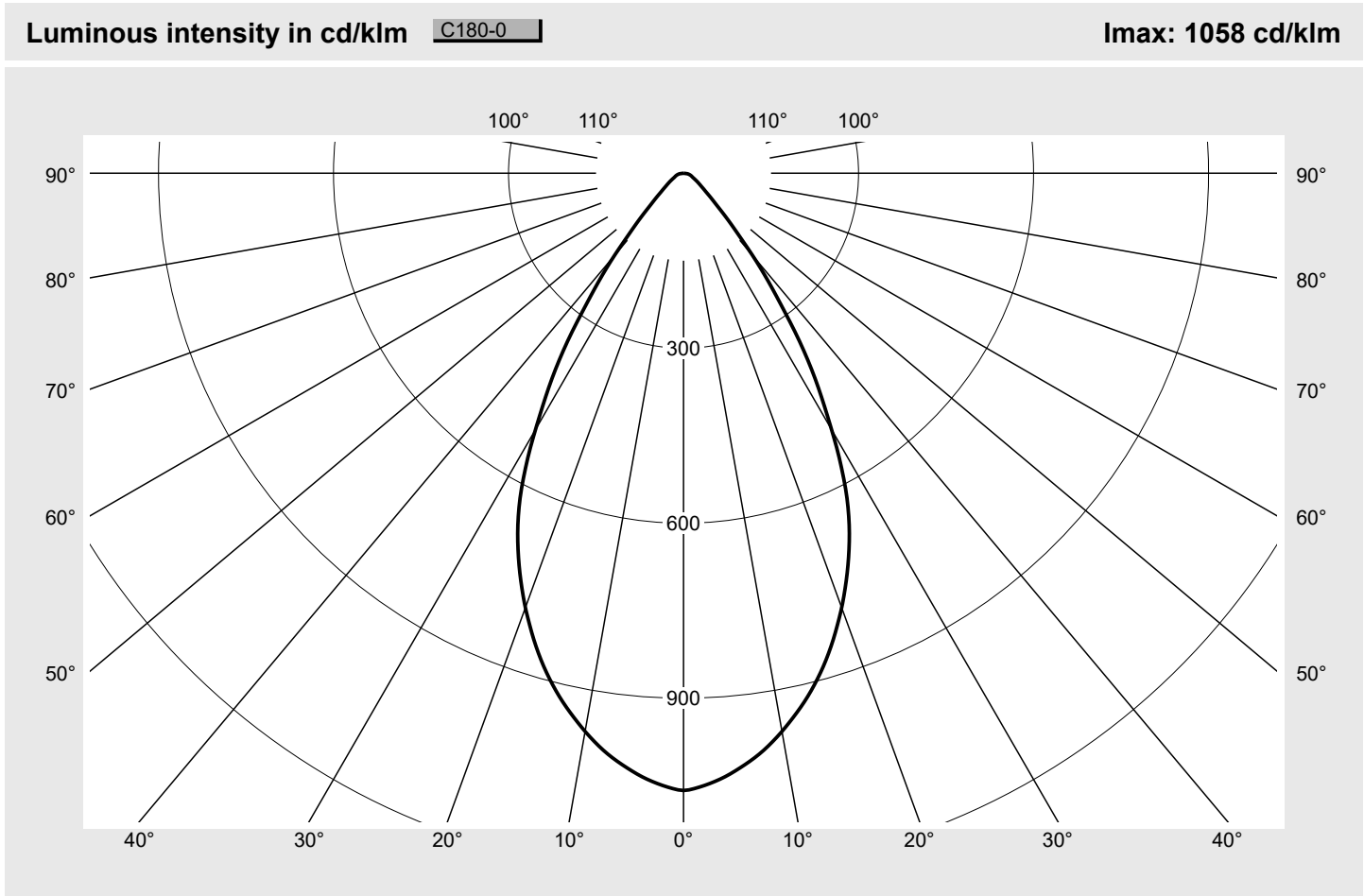


Photometric test report

Family Lunis 21	Order number: 51DB18ED91C EAN: 4069025013064	LP number 59683_6	
	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 6500 K CRI ≥ 80	
	Controlgear	ECG Multilumen	
	Setting	individual position: DIP-Step=5, colour temperature 6500K	
	Rated values	Net luminous flux = 2070 lm Power consumption = 12.2 W Luminous efficacy = 169.7 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_6
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_6	
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	18.9	20.1	19.3	20.5	20.8	18.9	20.1	19.3	20.5	20.8
	3H	19.1	20.2	19.5	20.6	20.9	19.1	20.2	19.5	20.6	20.9
	4H	19.3	20.3	19.7	20.7	21.1	19.3	20.3	19.7	20.7	21.1
	6H	19.5	20.4	19.9	20.8	21.2	19.5	20.4	19.9	20.8	21.2
	8H	19.7	20.5	20.2	20.9	21.3	19.7	20.5	20.2	20.9	21.3
	12H	19.8	20.5	20.2	20.9	21.3	19.8	20.5	20.2	20.9	21.3
4H	2H	18.9	19.9	19.3	20.2	20.6	18.9	19.9	19.3	20.2	20.6
	3H	19.3	20.1	19.7	20.5	20.9	19.3	20.1	19.7	20.5	20.9
	4H	19.5	20.3	20.0	20.7	21.1	19.5	20.3	20.0	20.7	21.1
	6H	19.9	20.5	20.3	21.0	21.4	19.9	20.5	20.3	21.0	21.4
	8H	20.0	20.6	20.5	21.1	21.5	20.0	20.6	20.5	21.1	21.5
	12H	20.2	20.6	20.7	21.1	21.6	20.2	20.6	20.7	21.1	21.6
8H	4H	19.6	20.2	20.1	20.7	21.1	19.6	20.2	20.1	20.7	21.1
	6H	20.1	20.6	20.6	21.0	21.5	20.1	20.6	20.6	21.0	21.5
	8H	20.3	20.7	20.8	21.2	21.7	20.3	20.7	20.8	21.2	21.7
	12H	20.5	20.8	21.0	21.3	21.9	20.5	20.8	21.0	21.3	21.9
12H	4H	19.7	20.1	20.2	20.6	21.1	19.7	20.1	20.2	20.6	21.1
	6H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
	8H	20.4	20.7	20.9	21.2	21.8	20.4	20.7	20.9	21.2	21.8

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 135
C-planes				
	0°			
γ	Luminance in cd/m²			
45°	18589.7			
50°	11528.7			
55°	8689.4			
60°	7145.4			
65°	6136.1			
70°	6158.9			
75°	6430.6			
80°	6809.8			
85°	6101.1			

Photometric test report

Family
Lunis 21

Order number: 51DB18ED91C
EAN: 4069025013064

LP number
59683_6

Luminance values in cd/m²

γ 65°

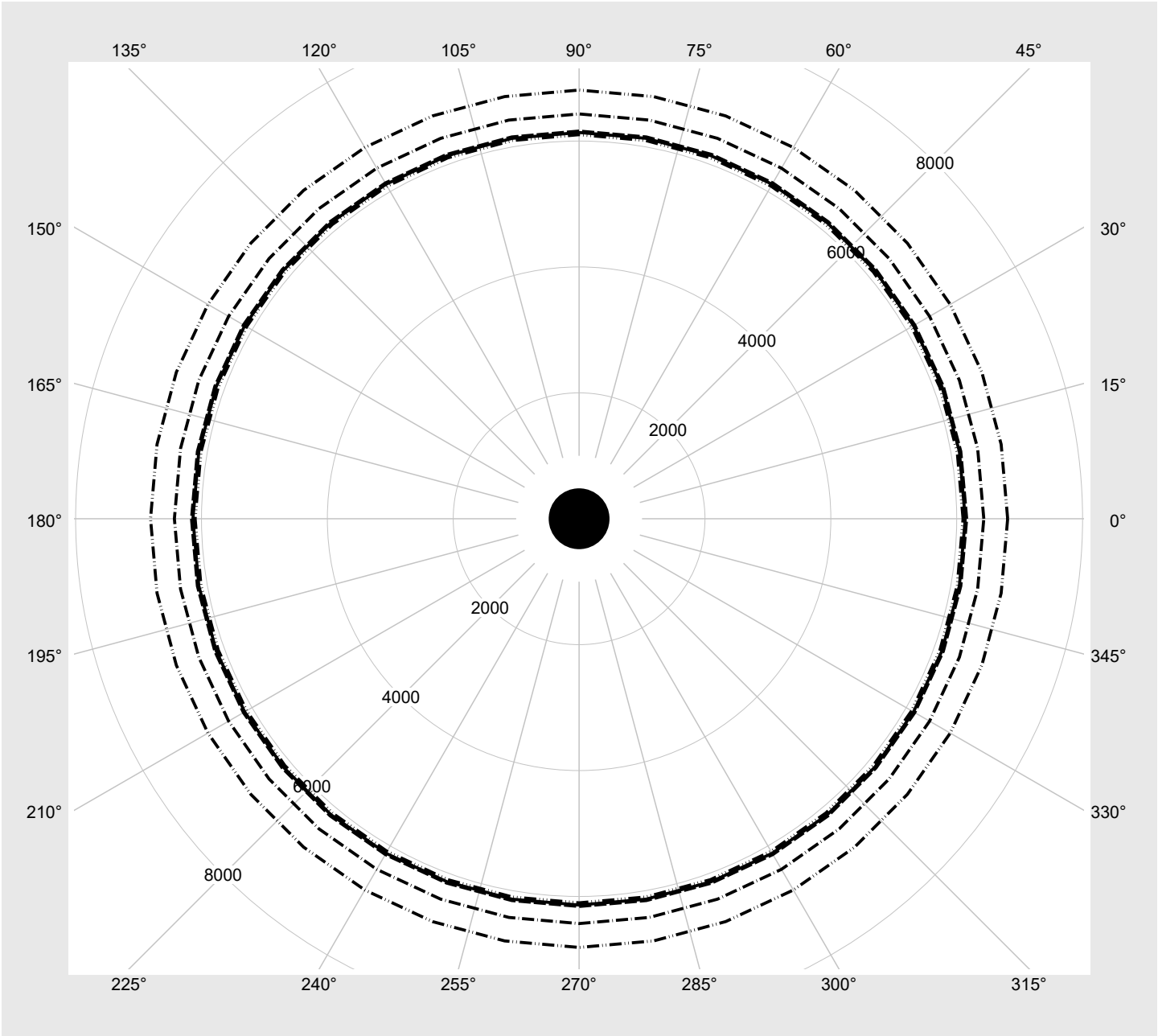
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family
Lunis 21

Order number: 51DB18ED91C
EAN: 4069025013064

LP number
59683_6

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	4020	25.4
11	ON	OFF	ON	ON	3600	21.7
10	ON	OFF	ON	OFF	3380	20.3
9	ON	OFF	OFF	ON	3220	19.2
8	ON	OFF	OFF	OFF	2990	17.7
7	OFF	ON	ON	ON	2610	15.5
6	OFF	ON	ON	OFF	2330	13.7
5	OFF	ON	OFF	ON	2070	12.2
4	OFF	ON	OFF	OFF	1790	10.5
3	OFF	OFF	ON	ON	1660	9.7
2	OFF	OFF	ON	OFF	1380	8.0
1	OFF	OFF	OFF	ON	1060	6.1
0	OFF	OFF	OFF	OFF	770	4.4