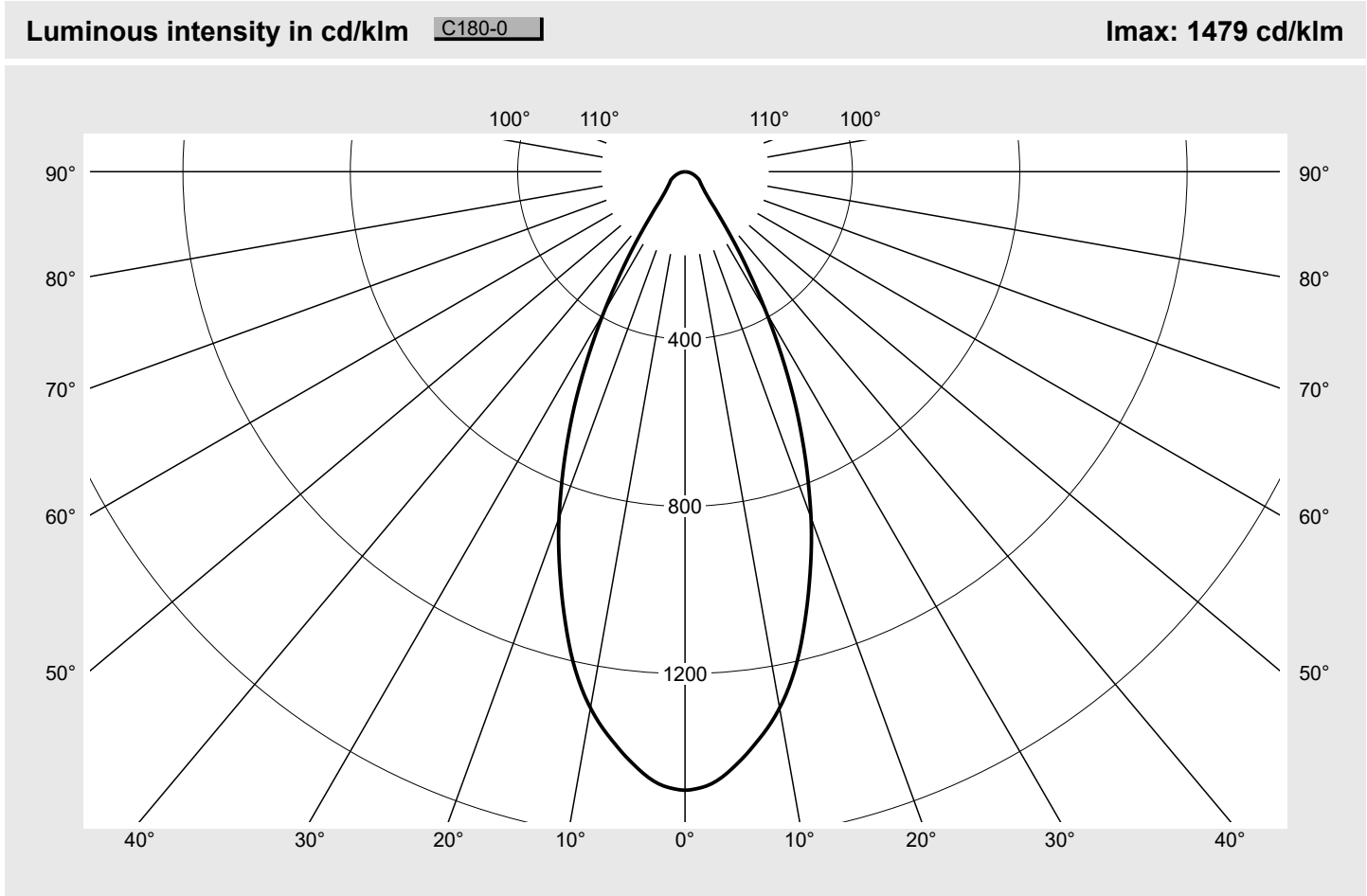


Photometric test report

Family Lunis 21 	Order number: 51DB18TC91C EAN: 4069025012999	LP number 59682_7
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical medium distribution, tunable white
	Lamps Controlgear Setting Rated values	LED 3000 K ... 6500 K CRI ≥ 80 ECG Multilumen factory setting: DIP-Step=4, colour temperature 4000K at 4000 K Net luminous flux = 1800 lm Power consumption = 11.0 W Luminous efficacy = 163.6 lm/W

serial documentation27.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=86 N2=95 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: 51DB18TC91C EAN: 4069025012999	LP number 59682_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°	1478.7	0.4	0.4
1°	1475.6	2.8	3.2
2°	1469.3	5.6	8.8
3°	1457.9	8.4	17.2
4°	1441.2	11.0	28.2
5°	1421.4	13.6	41.8
6°	1400.6	16.1	57.8
7°	1377.7	18.4	76.2
8°	1354.8	20.7	96.9
9°	1329.8	22.8	119.7
10°	1301.7	24.8	144.5
11°	1270.4	26.6	171.1
12°	1235.0	28.2	199.3
13°	1196.5	29.5	228.8
14°	1153.8	30.6	259.4
15°	1109.0	31.5	290.9
16°	1064.3	32.2	323.0
17°	1018.8	32.7	355.7
18°	973.8	33.0	388.7
19°	928.3	33.1	421.8
20°	880.7	33.0	454.9
21°	830.4	32.6	487.5
22°	781.2	32.1	519.6
23°	731.8	31.4	550.9
24°	681.9	30.4	581.4
25°	632.8	29.3	610.7
26°	582.3	28.0	638.7
27°	531.4	26.5	665.1
28°	482.3	24.8	690.0
29°	434.2	23.1	713.1
30°	388.2	21.3	734.3
31°	344.0	19.4	753.8
32°	302.3	17.6	771.3
33°	265.4	15.9	787.2
34°	231.6	14.2	801.4
35°	200.0	12.6	814.0
36°	172.2	11.1	825.1
37°	148.8	9.8	834.9
38°	129.3	8.7	843.6
39°	114.7	7.9	851.5
40°	100.0	7.0	858.6
41°	89.7	6.5	865.0
42°	82.1	6.0	871.1
43°	76.1	5.7	876.7
44°	70.7	5.4	882.1
45°	66.4	5.2	887.3
46°	63.1	5.0	892.3

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	60.1	4.8	897.1
48°	57.2	4.7	901.7
49°	54.8	4.5	906.3
50°	52.6	4.4	910.7
51°	50.6	4.3	915.0
52°	48.7	4.2	919.2
53°	47.1	4.1	923.3
54°	45.7	4.1	927.4
55°	44.4	4.0	931.4
56°	43.1	3.9	935.3
57°	42.0	3.9	939.2
58°	40.9	3.8	943.0
59°	39.9	3.8	946.7
60°	38.5	3.7	950.4
61°	36.9	3.5	953.9
62°	35.2	3.4	957.3
63°	33.6	3.3	960.6
64°	31.9	3.1	963.8
65°	30.3	3.0	966.8
66°	28.8	2.9	969.7
67°	27.2	2.7	972.4
68°	25.8	2.6	975.0
69°	24.3	2.5	977.5
70°	22.8	2.3	979.9
71°	21.4	2.2	982.1
72°	20.0	2.1	984.2
73°	18.6	2.0	986.1
74°	17.3	1.8	987.9
75°	16.0	1.7	989.6
76°	14.7	1.6	991.2
77°	13.4	1.4	992.6
78°	12.2	1.3	993.9
79°	11.0	1.2	995.1
80°	9.7	1.1	996.2
81°	8.6	0.9	997.1
82°	7.4	0.8	997.9
83°	6.3	0.7	998.6
84°	4.6	0.5	999.1
85°	2.9	0.3	999.4
86°	2.1	0.2	999.7
87°	1.6	0.2	999.8
88°	1.1	0.1	999.9
89°	0.6	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: 51DB18TC91C EAN: 4069025012999							LP number 59682_7	
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	20.7	21.9	21.0	22.2	22.5	20.7	21.9	21.0	22.2	22.5
	3H	21.7	22.8	22.1	23.1	23.5	21.7	22.8	22.1	23.1	23.5
	4H	22.2	23.2	22.6	23.5	23.9	22.2	23.2	22.6	23.5	23.9
	6H	22.6	23.5	23.0	23.8	24.2	22.6	23.5	23.0	23.8	24.2
	8H	22.8	23.5	23.2	23.9	24.3	22.8	23.5	23.2	23.9	24.3
	12H	22.9	23.5	23.3	23.9	24.3	22.9	23.5	23.3	23.9	24.3
4H	2H	21.1	22.1	21.5	22.4	22.8	21.1	22.1	21.5	22.4	22.8
	3H	22.4	23.2	22.8	23.6	24.0	22.4	23.2	22.8	23.6	24.0
	4H	22.9	23.7	23.4	24.1	24.5	22.9	23.7	23.4	24.1	24.5
	6H	23.4	24.0	23.9	24.5	24.9	23.4	24.0	23.9	24.5	24.9
	8H	23.6	24.1	24.1	24.6	25.1	23.6	24.1	24.1	24.6	25.1
	12H	23.7	24.1	24.2	24.6	25.1	23.7	24.1	24.2	24.6	25.1
8H	4H	23.2	23.7	23.6	24.2	24.6	23.2	23.7	23.6	24.2	24.6
	6H	23.8	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
	8H	24.0	24.4	24.5	24.9	25.4	24.0	24.4	24.5	24.9	25.4
	12H	24.1	24.4	24.6	24.9	25.5	24.1	24.4	24.6	24.9	25.5
12H	4H	23.2	23.7	23.7	24.1	24.6	23.2	23.7	23.7	24.1	24.6
	6H	23.8	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
	8H	24.1	24.4	24.6	24.9	25.4	24.1	24.4	24.6	24.9	25.4

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes				
γ	Luminance in cd/m²			
45°	30522.6			
50°	26599.4			
55°	25132.7			
60°	25029.6			
65°	23305.7			
70°	21637.3			
75°	20073.0			
80°	18231.6			
85°	10770.3			

Photometric test report

Family
Lunis 21

Order number: 51DB18TC91C
EAN: 4069025012999

LP number
59682_7

Luminance values in cd/m²

γ 65°

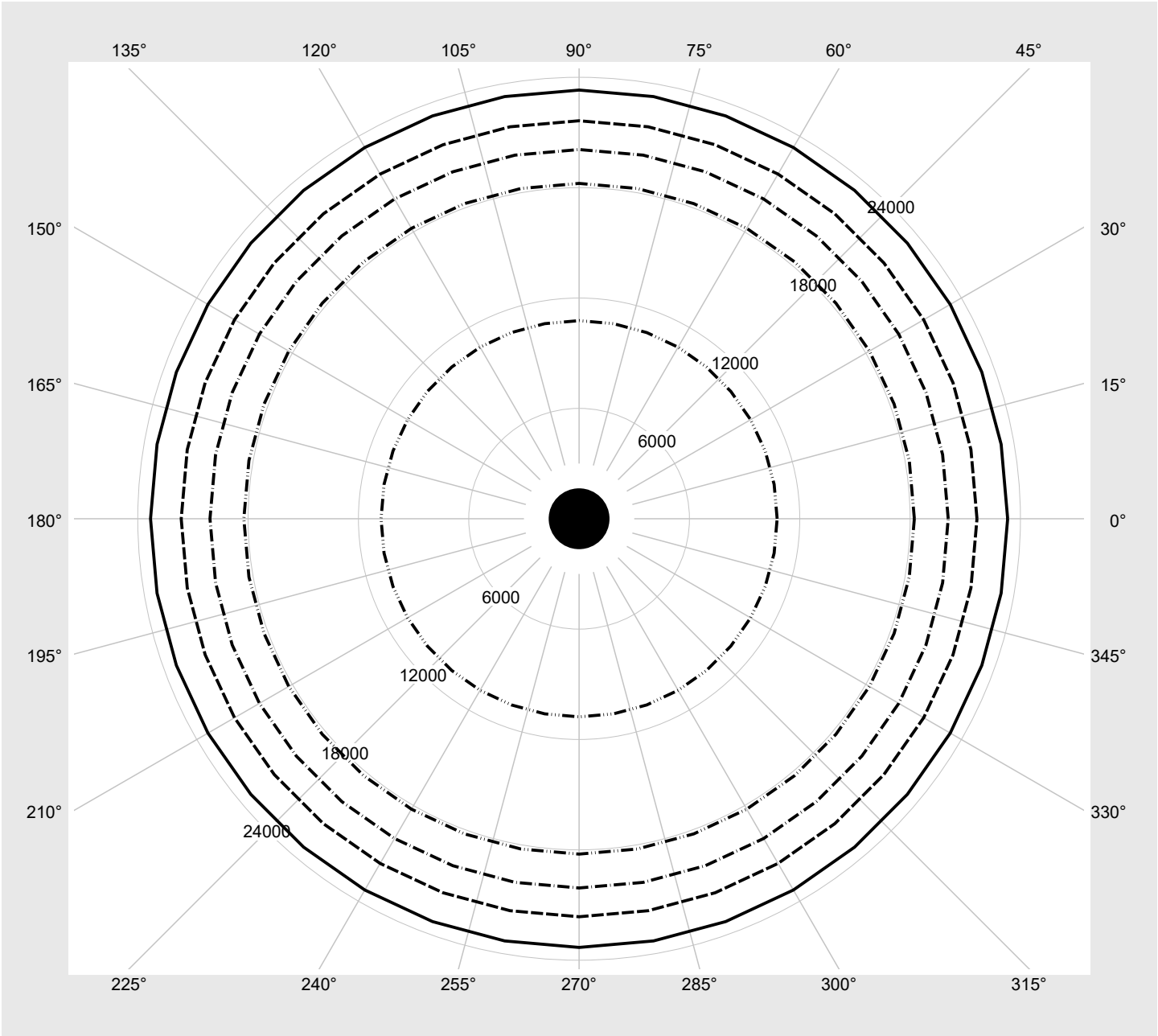
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB18TC91C EAN: 4069025012999	LP number 59682_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	3910	26.0
11	ON	OFF	ON	ON	3610	24.0
10	ON	OFF	ON	OFF	3380	22.0
9	ON	OFF	OFF	ON	3170	20.0
8	ON	OFF	OFF	OFF	2970	19.0
7	OFF	ON	ON	ON	2610	17.0
6	OFF	ON	ON	OFF	2340	15.0
5	OFF	ON	OFF	ON	2080	13.0
4	OFF	ON	OFF	OFF	1800	11.0
3	OFF	OFF	ON	ON	1580	10.0
2	OFF	OFF	ON	OFF	1310	8.0
1	OFF	OFF	OFF	ON	1000	6.0
0	OFF	OFF	OFF	OFF	720	3.0