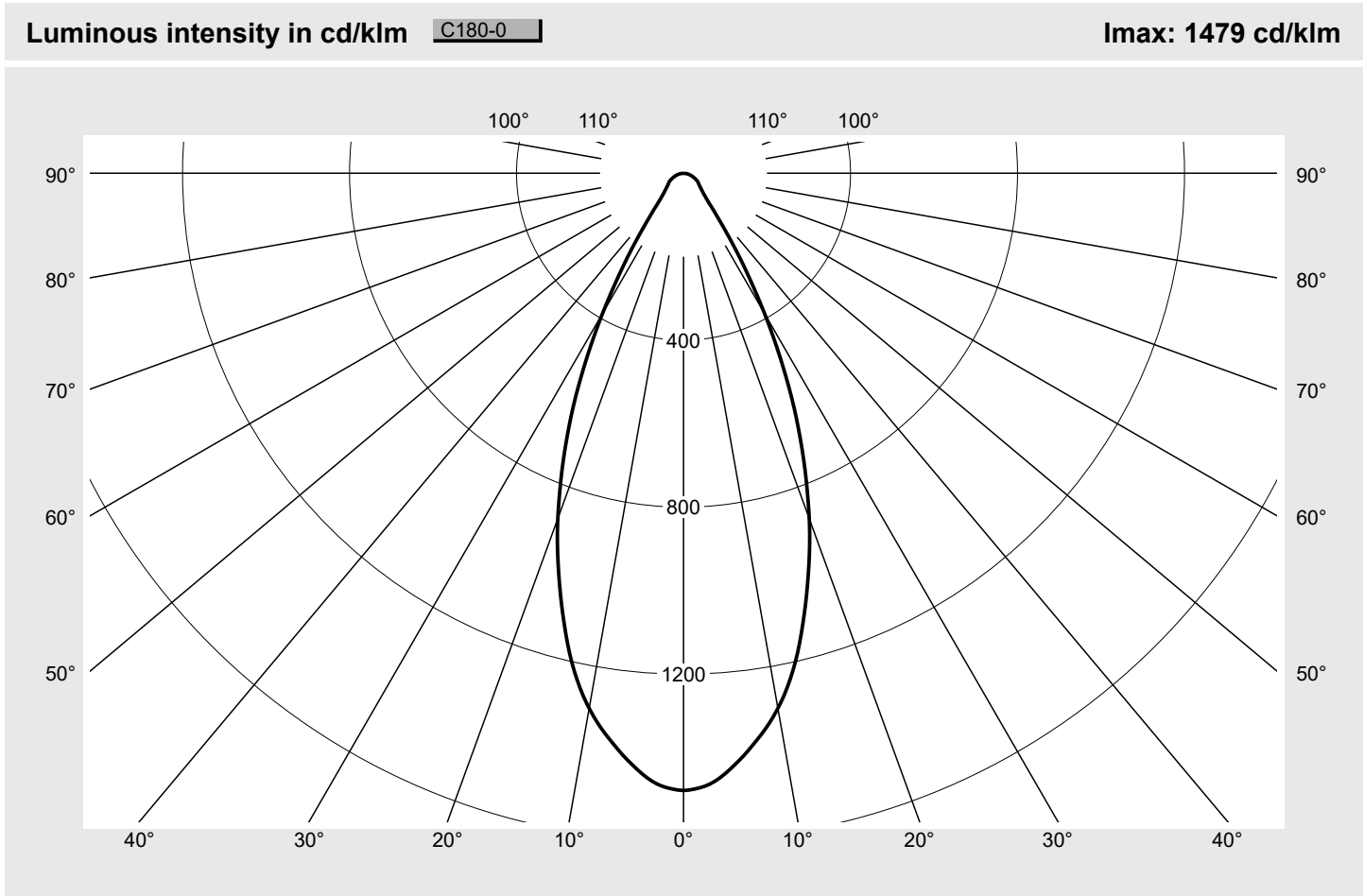


Photometric test report

Family Lunis 21	Order number: 51DB18MC91C EAN: 4058352048276	LP number 59682_1
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=4, colour temperature 3000K
	Rated values	Net luminous flux = 1770 lm Power consumption = 10.6 W Luminous efficacy = 167 lm/W
		serial documentation 27.09.2024
		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: 51DB18MC91C EAN: 4058352048276	LP number 59682_1
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: 51DB18MC91C EAN: 4058352048276							LP number 59682_1	
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	20.6	21.8	21.0	22.1	22.5	20.6	21.8	21.0	22.1	22.5
	3H	21.7	22.8	22.1	23.1	23.4	21.7	22.8	22.1	23.1	23.4
	4H	22.1	23.1	22.5	23.5	23.9	22.1	23.1	22.5	23.5	23.9
	6H	22.5	23.4	22.9	23.8	24.2	22.5	23.4	22.9	23.8	24.2
	8H	22.7	23.5	23.2	23.9	24.3	22.7	23.5	23.2	23.9	24.3
	12H	22.8	23.5	23.2	23.9	24.3	22.8	23.5	23.2	23.9	24.3
4H	2H	21.0	22.0	21.4	22.4	22.8	21.0	22.0	21.4	22.4	22.8
	3H	22.3	23.1	22.7	23.5	23.9	22.3	23.1	22.7	23.5	23.9
	4H	22.9	23.6	23.3	24.0	24.5	22.9	23.6	23.3	24.0	24.5
	6H	23.4	24.0	23.8	24.4	24.9	23.4	24.0	23.8	24.4	24.9
	8H	23.5	24.1	24.0	24.5	25.0	23.5	24.1	24.0	24.5	25.0
	12H	23.7	24.1	24.1	24.6	25.1	23.7	24.1	24.1	24.6	25.1
8H	4H	23.1	23.7	23.6	24.1	24.6	23.1	23.7	23.6	24.1	24.6
	6H	23.7	24.1	24.2	24.6	25.1	23.7	24.1	24.2	24.6	25.1
	8H	23.9	24.3	24.4	24.8	25.3	23.9	24.3	24.4	24.8	25.3
	12H	24.0	24.4	24.6	24.9	25.4	24.0	24.4	24.6	24.9	25.4
12H	4H	23.2	23.6	23.7	24.1	24.6	23.2	23.6	23.7	24.1	24.6
	6H	23.8	24.1	24.3	24.6	25.1	23.8	24.1	24.3	24.6	25.1
	8H	24.0	24.3	24.5	24.8	25.4	24.0	24.3	24.5	24.8	25.4

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	30013.9			
50°	26156.1			
55°	24713.8			
60°	24612.4			
65°	22917.3			
70°	21276.6			
75°	19738.4			
80°	17927.7			
85°	10590.7			

Photometric test report

Family
Lunis 21

Order number: 51DB18MC91C
EAN: 4058352048276

LP number
59682_1

Luminance values in cd/m²

γ 65°

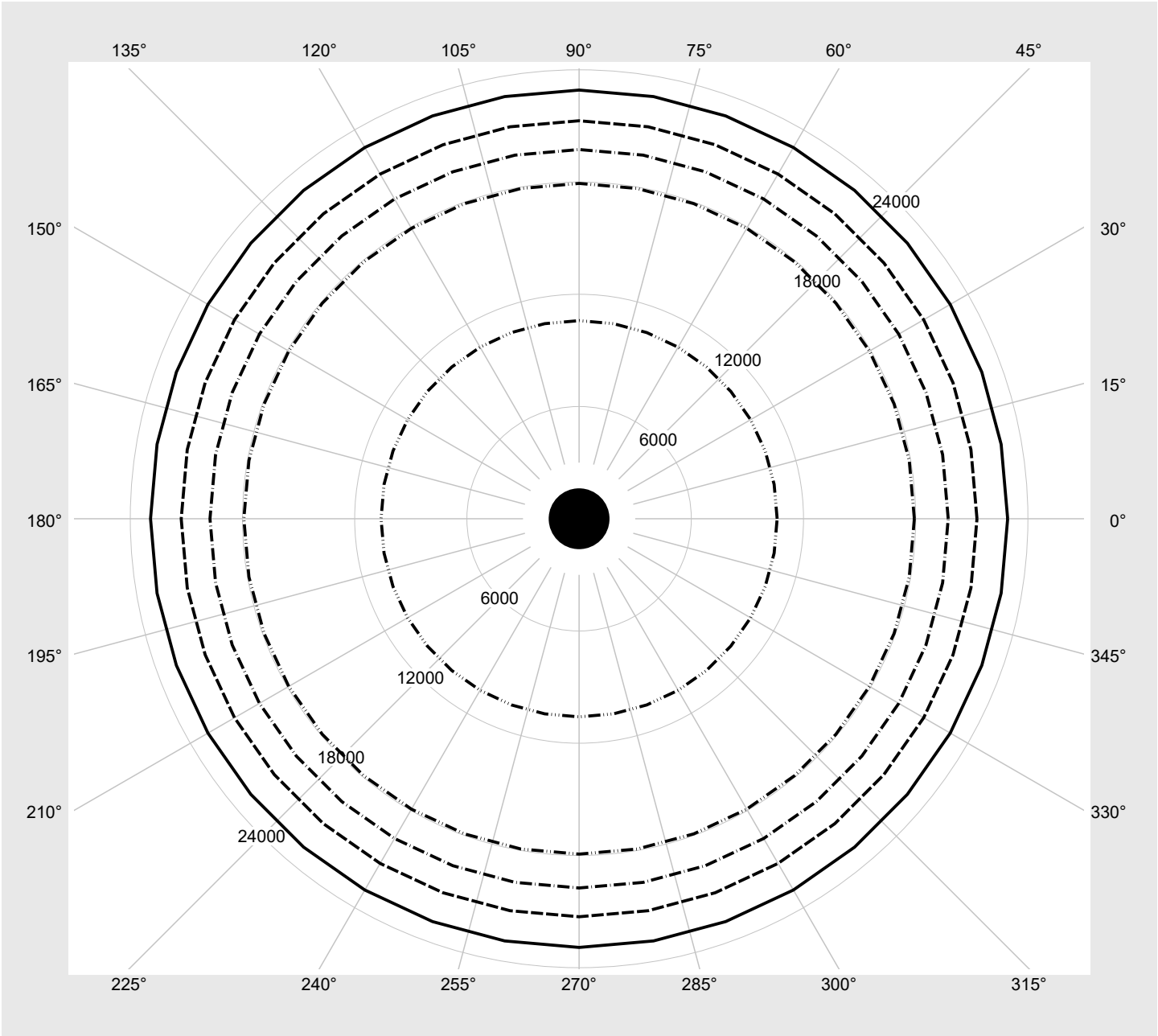
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family
Lunis 21

Order number: 51DB18MC91C
EAN: 4058352048276

LP number
59682_1

Multilumen Table

environmental temperature: 25°C

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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
12	ON	ON	OFF	OFF	3880	25.5
11	ON	OFF	ON	ON	3570	22.1
10	ON	OFF	ON	OFF	3350	20.6
9	ON	OFF	OFF	ON	3180	19.5
8	ON	OFF	OFF	OFF	2950	18.0
7	OFF	ON	ON	ON	2580	15.7
6	OFF	ON	ON	OFF	2310	13.9
5	OFF	ON	OFF	ON	2060	12.4
4	OFF	ON	OFF	OFF	1770	10.6
3	OFF	OFF	ON	ON	1620	9.7
2	OFF	OFF	ON	OFF	1340	8.0
1	OFF	OFF	OFF	ON	1020	6.1
0	OFF	OFF	OFF	OFF	730	4.4