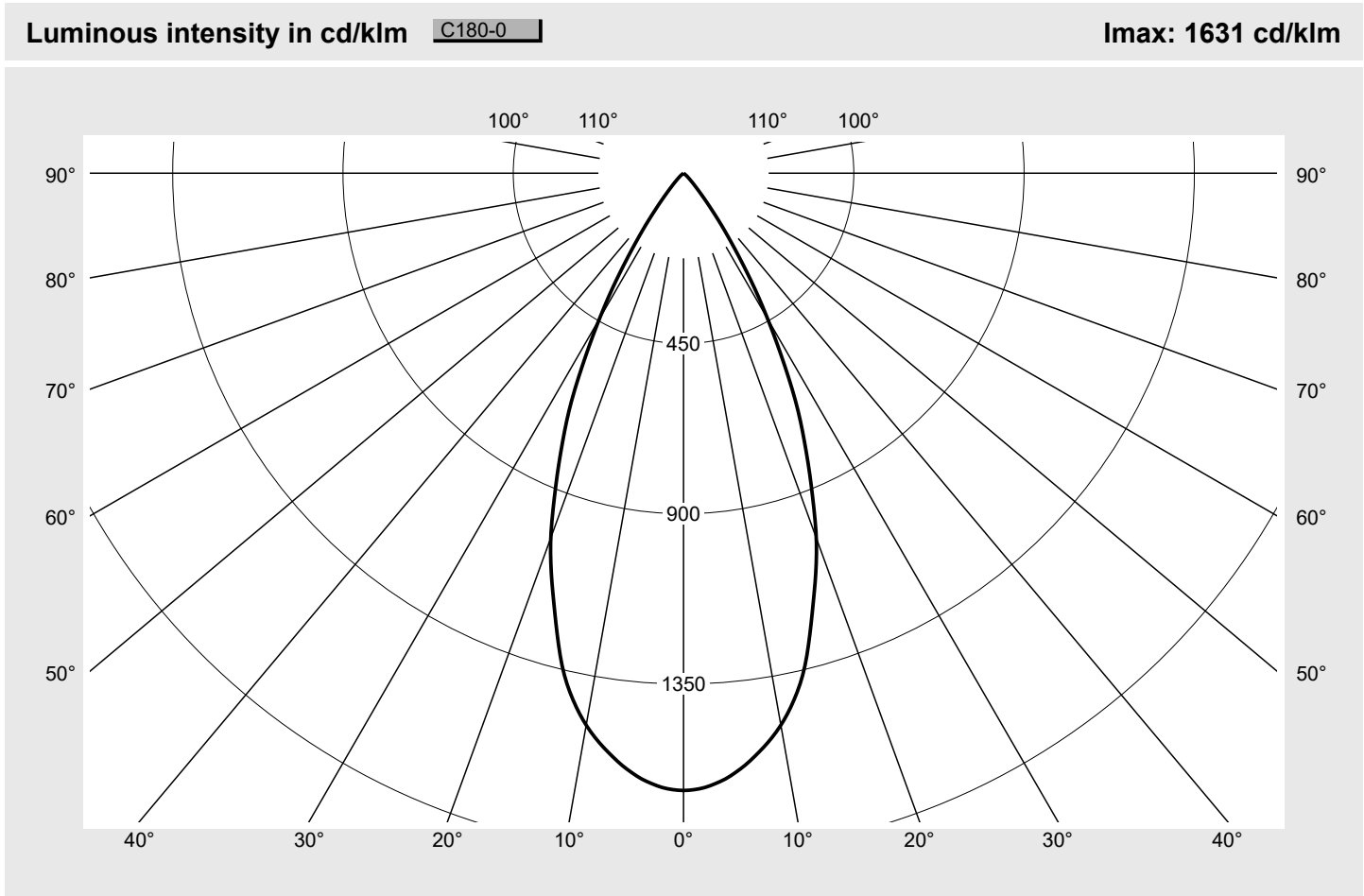


Photometric test report

Family Lunis 21 	Order number: 51DB17MC91C EAN: 4069025013156	LP number 59678_1
	Version	recessed luminaire, Combined lens and reflector optics, reflector, black, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤16 (L65≤3000cd/m²)
	Lamps Controlgear Setting Rated values	LED 3000 K CRI ≥ 80 ECG Multilumen individual position: DIP-Step=4, colour temperature 3000K Net luminous flux = 1510 lm Power consumption = 10.6 W Luminous efficacy = 142.5 lm/W

serial documentation27.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 8 0	η_{LB}	100.0%
CIE	N1=98 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: 51DB17MC91C EAN: 4069025013156	LP number 59678_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°	1631.5	0.4	0.4
1°	1629.5	3.1	3.5
2°	1624.4	6.2	9.7
3°	1615.4	9.3	19.0
4°	1604.3	12.3	31.3
5°	1589.2	15.2	46.5
6°	1572.0	18.0	64.5
7°	1551.9	20.7	85.2
8°	1530.7	23.4	108.6
9°	1507.5	25.9	134.4
10°	1481.3	28.2	162.6
11°	1451.1	30.4	193.0
12°	1416.8	32.3	225.3
13°	1378.5	34.0	259.3
14°	1333.2	35.4	294.7
15°	1280.8	36.4	331.0
16°	1227.4	37.1	368.1
17°	1176.0	37.7	405.8
18°	1127.6	38.2	444.1
19°	1078.2	38.5	482.6
20°	1025.8	38.5	521.0
21°	965.9	38.0	559.0
22°	905.6	37.2	596.2
23°	848.1	36.3	632.5
24°	791.6	35.3	667.8
25°	737.4	34.2	702.0
26°	681.5	32.8	734.8
27°	619.8	30.9	765.6
28°	557.7	28.7	794.3
29°	499.7	26.6	820.9
30°	444.6	24.4	845.3
31°	393.0	22.2	867.5
32°	341.7	19.9	887.3
33°	291.6	17.4	904.8
34°	247.0	15.1	919.9
35°	207.8	13.1	933.0
36°	173.5	11.2	944.2
37°	141.0	9.3	953.5
38°	113.4	7.7	961.1
39°	90.8	6.3	967.4
40°	71.9	5.1	972.5
41°	57.3	4.1	976.6
42°	46.1	3.4	980.0
43°	37.8	2.8	982.8
44°	30.4	2.3	985.1
45°	24.9	1.9	987.0
46°	20.7	1.6	988.7

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	17.2	1.4	990.0
48°	14.2	1.2	991.2
49°	11.9	1.0	992.2
50°	9.9	0.8	993.0
51°	8.2	0.7	993.7
52°	6.9	0.6	994.3
53°	5.7	0.5	994.8
54°	4.8	0.4	995.2
55°	4.1	0.4	995.6
56°	3.5	0.3	995.9
57°	3.0	0.3	996.2
58°	2.7	0.3	996.5
59°	2.5	0.2	996.7
60°	2.3	0.2	996.9
61°	2.2	0.2	997.1
62°	2.0	0.2	997.3
63°	1.9	0.2	997.5
64°	1.8	0.2	997.7
65°	1.6	0.2	997.8
66°	1.5	0.2	998.0
67°	1.4	0.1	998.1
68°	1.4	0.1	998.3
69°	1.3	0.1	998.4
70°	1.2	0.1	998.5
71°	1.2	0.1	998.7
72°	1.1	0.1	998.8
73°	1.0	0.1	998.9
74°	1.0	0.1	999.0
75°	0.9	0.1	999.1
76°	0.9	0.1	999.2
77°	0.8	0.1	999.3
78°	0.8	0.1	999.3
79°	0.8	0.1	999.4
80°	0.7	0.1	999.5
81°	0.7	0.1	999.6
82°	0.6	0.1	999.6
83°	0.6	0.1	999.7
84°	0.5	0.1	999.8
85°	0.5	0.1	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: 51DB17MC91C EAN: 4069025013156							LP number 59678_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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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)			
2H	x									
	y									
	2H	16.9	17.9	17.2	18.3	18.6	16.9	17.9	17.2	18.3
	3H	16.7	17.7	17.1	18.0	18.3	16.7	17.7	17.1	18.0
	4H	16.6	17.5	17.0	17.8	18.2	16.6	17.5	17.0	17.8
	6H	16.6	17.3	17.0	17.7	18.1	16.6	17.3	17.0	17.7
4H	8H	16.7	17.3	17.1	17.6	18.1	16.7	17.3	17.1	17.6
	12H	16.6	17.2	17.1	17.6	18.0	16.6	17.2	17.1	17.6
	2H	16.6	17.5	17.0	17.8	18.2	16.6	17.5	17.0	17.8
	3H	16.4	17.1	16.9	17.5	18.0	16.4	17.1	16.9	17.5
	4H	16.3	17.0	16.8	17.4	17.8	16.3	17.0	16.8	17.4
	6H	16.3	16.8	16.7	17.2	17.7	16.3	16.8	16.7	17.2
8H	8H	16.2	16.7	16.7	17.1	17.6	16.2	16.7	16.7	17.1
	12H	16.3	16.6	16.7	17.1	17.6	16.3	16.6	16.7	17.1
	4H	16.2	16.7	16.7	17.1	17.6	16.2	16.7	16.7	17.1
	6H	16.1	16.5	16.6	17.0	17.5	16.1	16.5	16.6	17.0
	8H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9
	12H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8
12H	4H	16.2	16.6	16.7	17.0	17.5	16.2	16.6	16.7	17.0
	6H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9
	8H	16.0	16.3	16.6	16.8	17.3	16.0	16.3	16.6	16.8
	2H	16.2	16.6	16.7	17.0	17.5	16.2	16.6	16.7	17.0
	3H	16.7	17.7	17.1	18.0	18.3	16.7	17.7	17.1	18.0
	4H	16.6	17.5	17.0	17.8	18.2	16.6	17.5	17.0	17.8

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes	0°			
γ	Luminance in cd/m²			
45°	9587.2			
50°	4211.8			
55°	1945.3			
60°	1272.5			
65°	1062.5			
70°	971.1			
75°	985.4			
80°	1104.7			
85°	1503.8			

Photometric test report

Family
Lunis 21

Order number: 51DB17MC91C
EAN: 4069025013156

LP number
59678_1

Luminance values in cd/m²

γ 65°

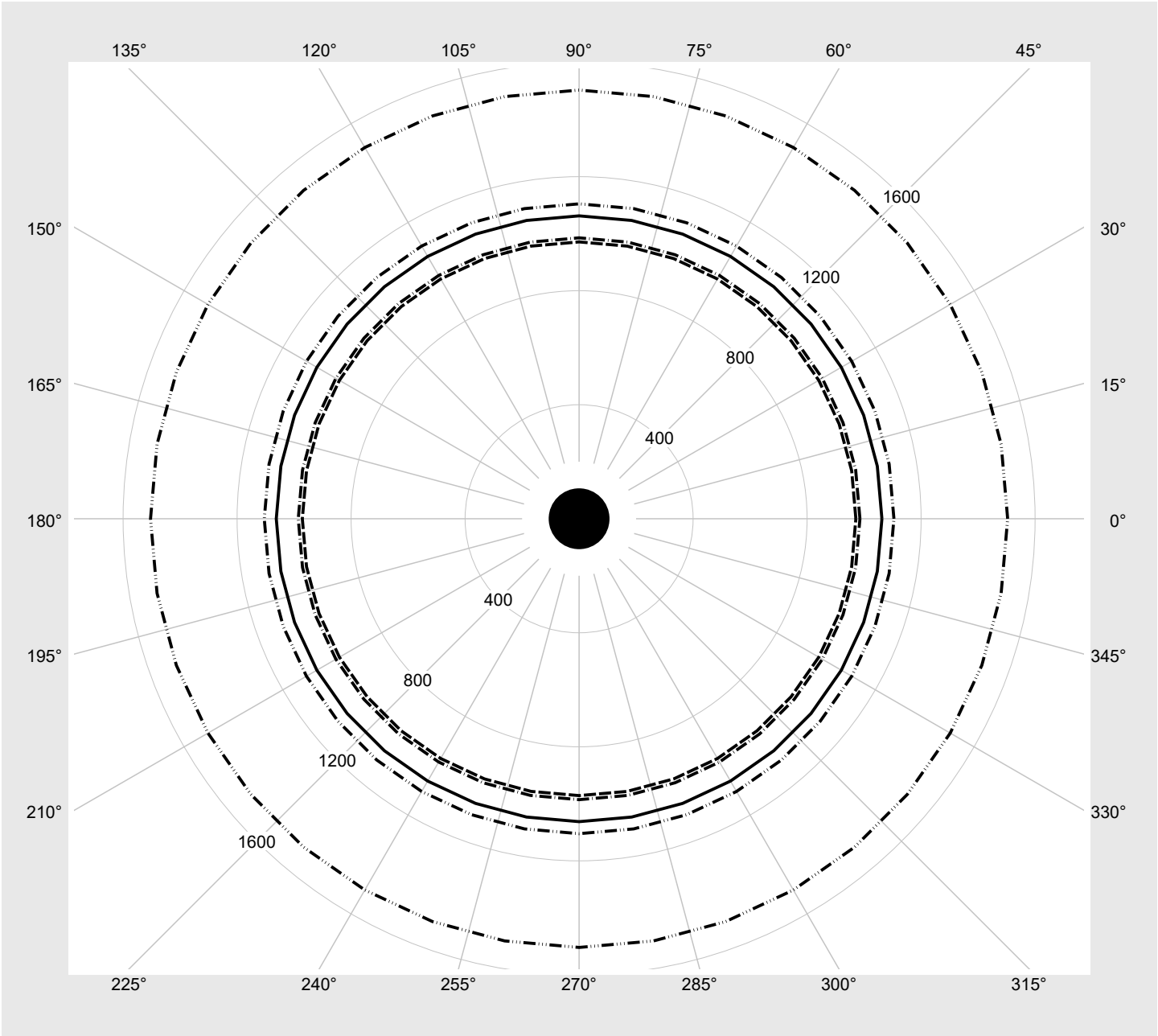
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB17MC91C EAN: 4069025013156	LP number 59678_1
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	3320	25.5
11	ON	OFF	ON	ON	3050	22.1
10	ON	OFF	ON	OFF	2860	20.6
9	ON	OFF	OFF	ON	2720	19.5
8	ON	OFF	OFF	OFF	2520	18.0
7	OFF	ON	ON	ON	2210	15.7
6	OFF	ON	ON	OFF	1970	13.9
5	OFF	ON	OFF	ON	1760	12.4
4	OFF	ON	OFF	OFF	1510	10.6
3	OFF	OFF	ON	ON	1390	9.7
2	OFF	OFF	ON	OFF	1150	8.0
1	OFF	OFF	OFF	ON	870	6.1
0	OFF	OFF	OFF	OFF	630	4.4