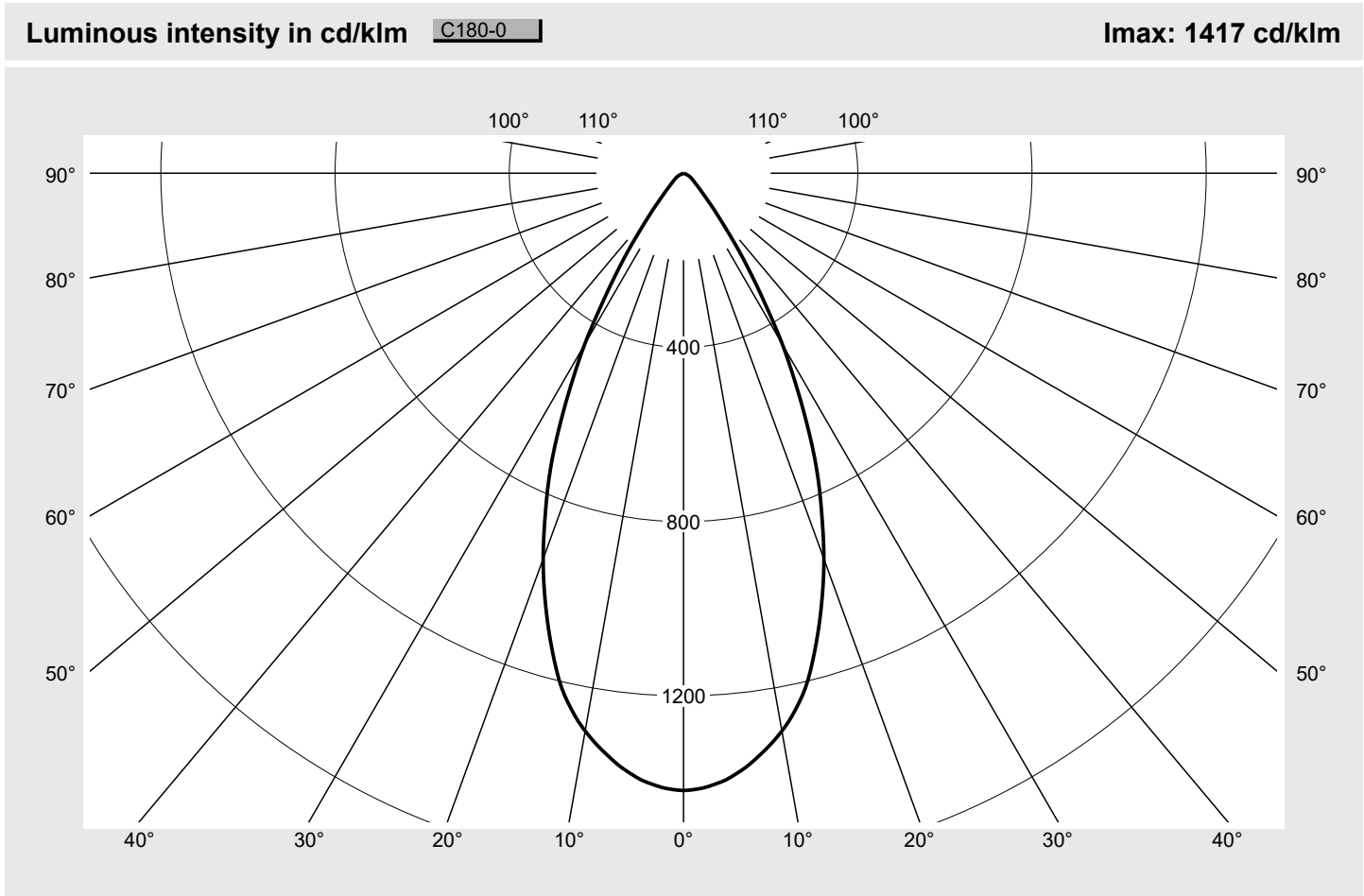


Photometric test report

Family Lunis 21	Order number: 51DB19MC91C EAN: 4069025012913	LP number 59686_1
	Version	recessed luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=4, colour temperature 3000K
	Rated values	Net luminous flux = 1700 lm Power consumption = 10.6 W Luminous efficacy = 160.4 lm/W
		serial documentation 27.09.2024
		siteco



Classifications	Luminaire light output ratios
DIN 5040 A 7 0 CIE N1=93 N2=99 N3=100 N4=100 N5=100	η_{LB} 100.0% ϕ_u 100.0% ϕ_o 0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 21	Order number: 51DB19MC91C EAN: 4069025012913	LP number 59686_1
Table of values for luminous intensities		Maximum luminous intensity

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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	1417.3	0.3	0.3
1°	1415.3	2.7	3.0
2°	1411.3	5.4	8.4
3°	1404.3	8.1	16.5
4°	1396.3	10.7	27.2
5°	1384.4	13.2	40.4
6°	1371.4	15.7	56.1
7°	1355.4	18.1	74.3
8°	1338.4	20.4	94.7
9°	1320.4	22.7	117.3
10°	1300.5	24.8	142.1
11°	1278.5	26.8	168.8
12°	1252.5	28.6	197.4
13°	1224.5	30.2	227.6
14°	1190.6	31.6	259.2
15°	1151.6	32.7	291.9
16°	1111.7	33.6	325.5
17°	1070.7	34.3	359.8
18°	1028.8	34.9	394.7
19°	986.4	35.2	429.9
20°	942.3	35.3	465.2
21°	895.5	35.2	500.4
22°	847.9	34.8	535.3
23°	802.3	34.4	569.6
24°	755.4	33.7	603.3
25°	705.6	32.7	636.0
26°	652.2	31.4	667.4
27°	600.3	29.9	697.3
28°	549.3	28.3	725.6
29°	501.5	26.7	752.2
30°	454.6	24.9	777.1
31°	402.9	22.8	799.9
32°	353.3	20.5	820.4
33°	311.1	18.6	839.0
34°	271.5	16.6	855.7
35°	236.8	14.9	870.6
36°	203.1	13.1	883.6
37°	171.7	11.3	895.0
38°	146.3	9.9	904.8
39°	125.2	8.6	913.5
40°	108.8	7.7	921.2
41°	92.3	6.6	927.8
42°	80.2	5.9	933.7
43°	70.3	5.3	938.9
44°	62.0	4.7	943.7
45°	55.3	4.3	948.0
46°	49.9	3.9	951.9

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	44.9	3.6	955.5
48°	40.9	3.3	958.8
49°	37.6	3.1	961.9
50°	34.7	2.9	964.9
51°	32.2	2.7	967.6
52°	30.0	2.6	970.2
53°	28.0	2.5	972.6
54°	26.2	2.3	975.0
55°	24.7	2.2	977.2
56°	23.2	2.1	979.3
57°	21.8	2.0	981.3
58°	20.5	1.9	983.2
59°	19.3	1.8	985.0
60°	18.0	1.7	986.7
61°	16.6	1.6	988.3
62°	15.0	1.5	989.8
63°	13.4	1.3	991.1
64°	11.7	1.2	992.2
65°	10.1	1.0	993.2
66°	8.6	0.9	994.1
67°	7.3	0.7	994.8
68°	6.3	0.6	995.5
69°	5.4	0.6	996.0
70°	4.7	0.5	996.5
71°	4.2	0.4	997.0
72°	3.7	0.4	997.3
73°	3.3	0.3	997.7
74°	2.9	0.3	998.0
75°	2.6	0.3	998.3
76°	2.3	0.2	998.5
77°	2.1	0.2	998.7
78°	1.8	0.2	998.9
79°	1.6	0.2	999.1
80°	1.4	0.2	999.3
81°	1.3	0.1	999.4
82°	1.1	0.1	999.5
83°	1.0	0.1	999.6
84°	0.8	0.1	999.7
85°	0.7	0.1	999.8
86°	0.6	0.1	999.8
87°	0.5	0.1	999.9
88°	0.5	0.1	999.9
89°	0.5	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: 51DB19MC91C EAN: 4069025012913							LP number 59686_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	19.2	20.3	19.5	20.6	20.9	19.2	20.3	19.5	20.6	20.9
	3H	19.2	20.1	19.5	20.5	20.8	19.2	20.1	19.5	20.5	20.8
	4H	19.1	20.0	19.5	20.4	20.7	19.1	20.0	19.5	20.4	20.7
	6H	19.0	19.9	19.5	20.2	20.6	19.0	19.9	19.5	20.2	20.6
	8H	19.2	19.8	19.6	20.2	20.6	19.2	19.8	19.6	20.2	20.6
	12H	19.1	19.7	19.6	20.1	20.5	19.1	19.7	19.6	20.1	20.5
4H	2H	19.1	20.0	19.5	20.4	20.7	19.1	20.0	19.5	20.4	20.7
	3H	19.1	19.8	19.5	20.2	20.6	19.1	19.8	19.5	20.2	20.6
	4H	19.0	19.7	19.5	20.1	20.6	19.0	19.7	19.5	20.1	20.6
	6H	19.0	19.5	19.4	20.0	20.4	19.0	19.5	19.4	20.0	20.4
	8H	19.0	19.4	19.4	19.9	20.4	19.0	19.4	19.4	19.9	20.4
	12H	19.0	19.3	19.5	19.8	20.3	19.0	19.3	19.5	19.8	20.3
8H	4H	18.9	19.4	19.4	19.9	20.4	18.9	19.4	19.4	19.9	20.4
	6H	18.9	19.3	19.4	19.7	20.3	18.9	19.3	19.4	19.7	20.3
	8H	18.8	19.2	19.3	19.7	20.2	18.8	19.2	19.3	19.7	20.2
	12H	18.8	19.1	19.3	19.6	20.1	18.8	19.1	19.3	19.6	20.1
12H	4H	18.9	19.3	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
	6H	18.8	19.2	19.4	19.6	20.2	18.8	19.2	19.4	19.6	20.2
	8H	18.8	19.1	19.3	19.6	20.1	18.8	19.1	19.3	19.6	20.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	23996.6			
50°	16550.1			
55°	13194.6			
60°	11042.2			
65°	7322.5			
70°	4249.6			
75°	3067.4			
80°	2524.4			
85°	2287.8			

Photometric test report

Family
Lunis 21

Order number: 51DB19MC91C
EAN: 4069025012913

LP number
59686_1

Luminance values in cd/m²

γ 65°

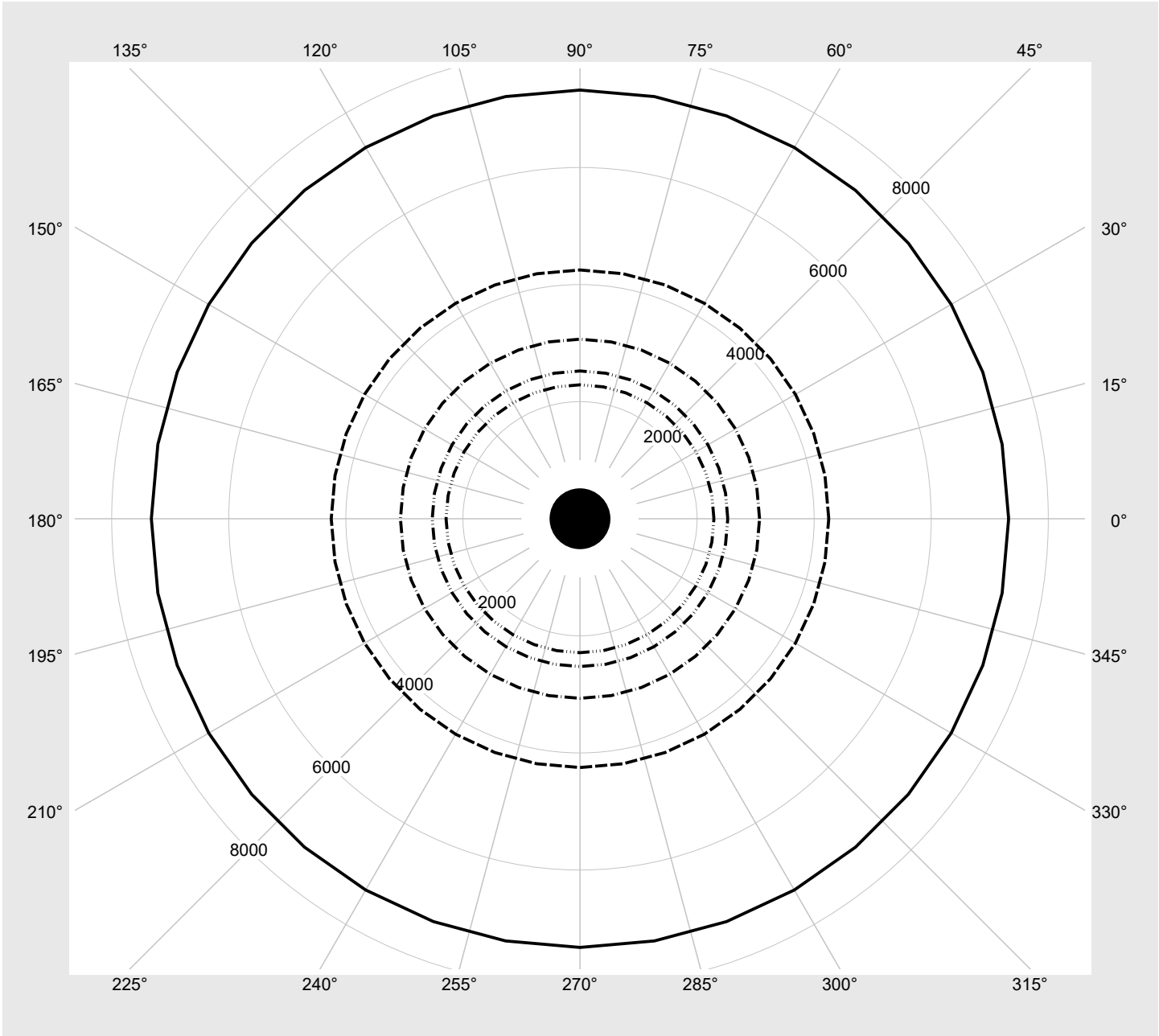
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB19MC91C EAN: 4069025012913	LP number 59686_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	3730	25.5
11	ON	OFF	ON	ON	3430	22.1
10	ON	OFF	ON	OFF	3210	20.6
9	ON	OFF	OFF	ON	3050	19.5
8	ON	OFF	OFF	OFF	2830	18.0
7	OFF	ON	ON	ON	2480	15.7
6	OFF	ON	ON	OFF	2210	13.9
5	OFF	ON	OFF	ON	1980	12.4
4	OFF	ON	OFF	OFF	1700	10.6
3	OFF	OFF	ON	ON	1560	9.7
2	OFF	OFF	ON	OFF	1290	8.0
1	OFF	OFF	OFF	ON	980	6.1
0	OFF	OFF	OFF	OFF	700	4.4