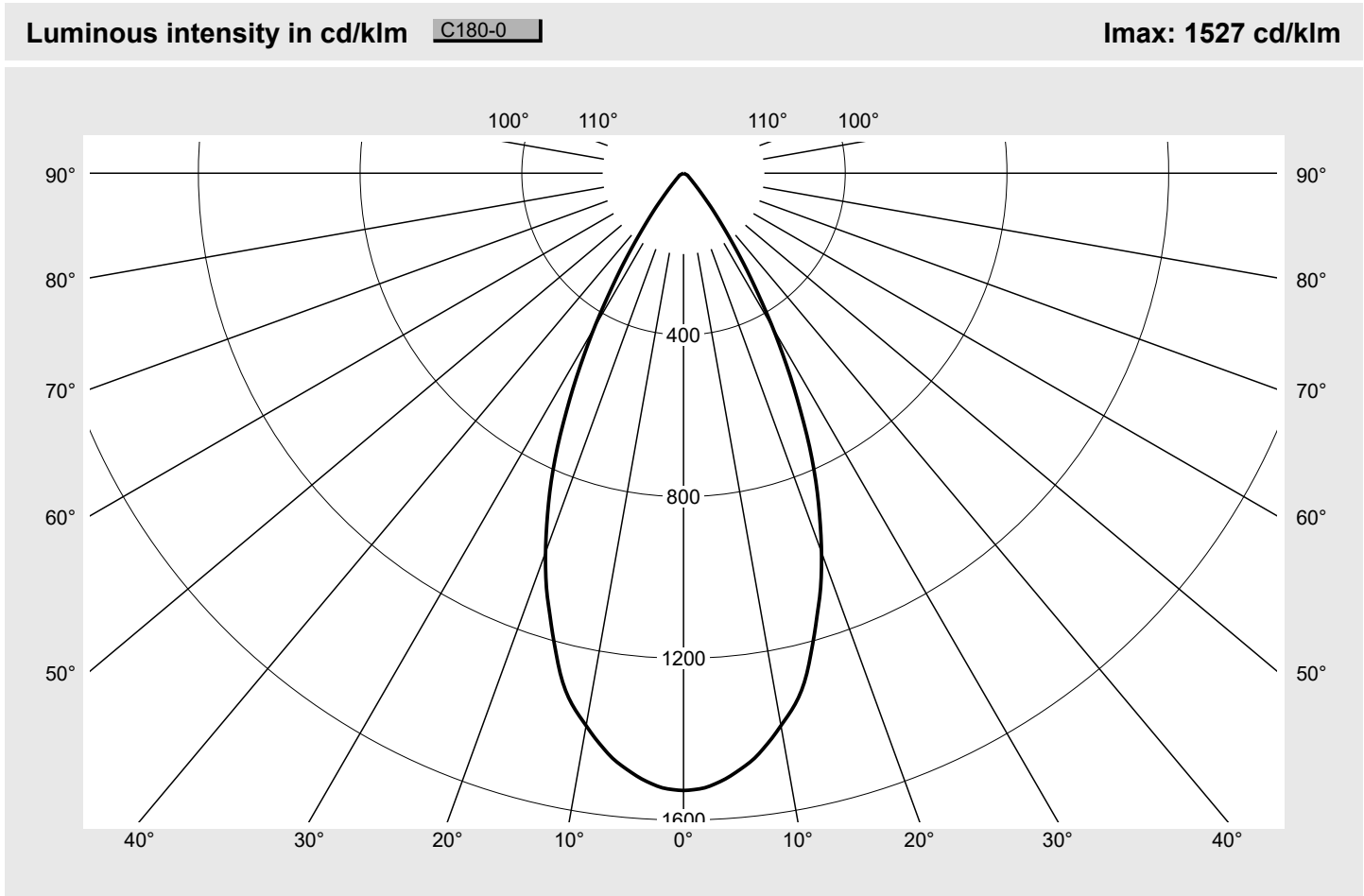


Photometric test report

Family Lunis 21	Order number: 51DB15MC91C EAN: 4058352047194	LP number 59674_1
	Version	recessed luminaire, Combined lens and reflector optics, reflector, highly specular, 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 = 1790 lm Power consumption = 10.6 W Luminous efficacy = 168.9 lm/W
		serial documentation 27.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=95 N2=99 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: 51DB15MC91C EAN: 4058352047194	LP number 59674_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°	1527.0	0.4	0.4
1°	1525.0	2.9	3.3
2°	1521.1	5.8	9.1
3°	1512.2	8.7	17.8
4°	1501.4	11.5	29.3
5°	1487.7	14.2	43.5
6°	1473.0	16.9	60.4
7°	1456.3	19.5	79.8
8°	1434.7	21.9	101.7
9°	1412.1	24.2	126.0
10°	1387.6	26.4	152.4
11°	1364.1	28.5	180.9
12°	1338.5	30.5	211.4
13°	1307.1	32.2	243.7
14°	1267.9	33.6	277.3
15°	1222.7	34.7	312.0
16°	1178.6	35.6	347.6
17°	1134.4	36.4	384.0
18°	1093.2	37.0	421.1
19°	1047.1	37.4	458.4
20°	998.0	37.4	495.9
21°	946.5	37.2	533.1
22°	894.6	36.7	569.8
23°	842.3	36.1	605.9
24°	786.7	35.1	641.0
25°	728.9	33.8	674.8
26°	667.5	32.1	706.9
27°	609.6	30.3	737.2
28°	551.5	28.4	765.6
29°	494.9	26.3	791.9
30°	441.7	24.2	816.1
31°	387.3	21.9	838.0
32°	337.4	19.6	857.6
33°	294.0	17.6	875.2
34°	252.2	15.5	890.7
35°	213.4	13.4	904.1
36°	179.8	11.6	915.7
37°	151.5	10.0	925.7
38°	127.9	8.6	934.3
39°	107.9	7.4	941.8
40°	88.0	6.2	948.0
41°	73.6	5.3	953.2
42°	62.1	4.6	957.8
43°	53.1	4.0	961.8
44°	45.3	3.5	965.2
45°	39.7	3.1	968.3
46°	34.8	2.7	971.1

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	30.9	2.5	973.5
48°	27.9	2.3	975.8
49°	25.4	2.1	977.9
50°	23.0	1.9	979.8
51°	21.1	1.8	981.6
52°	19.6	1.7	983.3
53°	18.2	1.6	984.9
54°	16.9	1.5	986.4
55°	15.8	1.4	987.8
56°	14.8	1.3	989.2
57°	13.9	1.3	990.5
58°	13.4	1.2	991.7
59°	13.0	1.2	992.9
60°	12.6	1.2	994.1
61°	11.9	1.1	995.3
62°	10.6	1.0	996.3
63°	8.6	0.8	997.1
64°	6.0	0.6	997.7
65°	4.1	0.4	998.1
66°	2.5	0.2	998.4
67°	1.3	0.1	998.5
68°	1.0	0.1	998.6
69°	1.0	0.1	998.7
70°	0.9	0.1	998.8
71°	0.8	0.1	998.9
72°	0.8	0.1	999.0
73°	0.8	0.1	999.1
74°	0.7	0.1	999.1
75°	0.7	0.1	999.2
76°	0.7	0.1	999.3
77°	0.7	0.1	999.4
78°	0.6	0.1	999.4
79°	0.6	0.1	999.5
80°	0.6	0.1	999.5
81°	0.6	0.1	999.6
82°	0.5	0.1	999.7
83°	0.5	0.1	999.7
84°	0.5	0.1	999.8
85°	0.5	0.0	999.8
86°	0.4	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: 51DB15MC91C EAN: 4058352047194							LP number 59674_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	18.2	19.3	18.6	19.7	20.0	18.2	19.3	18.6	19.7	20.0
	3H	18.1	19.1	18.5	19.4	19.7	18.1	19.1	18.5	19.4	19.7
	4H	18.0	18.9	18.4	19.2	19.6	18.0	18.9	18.4	19.2	19.6
	6H	17.9	18.7	18.4	19.1	19.5	17.9	18.7	18.4	19.1	19.5
	8H	18.0	18.7	18.5	19.0	19.4	18.0	18.7	18.5	19.0	19.4
	12H	18.0	18.6	18.4	19.0	19.4	18.0	18.6	18.4	19.0	19.4
4H	2H	18.1	19.0	18.5	19.3	19.7	18.1	19.0	18.5	19.3	19.7
	3H	17.9	18.6	18.3	19.0	19.4	17.9	18.6	18.3	19.0	19.4
	4H	17.8	18.4	18.2	18.9	19.3	17.8	18.4	18.2	18.9	19.3
	6H	17.7	18.2	18.2	18.7	19.2	17.7	18.2	18.2	18.7	19.2
	8H	17.7	18.1	18.2	18.6	19.1	17.7	18.1	18.2	18.6	19.1
	12H	17.7	18.0	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0
8H	4H	17.7	18.1	18.1	18.6	19.1	17.7	18.1	18.1	18.6	19.1
	6H	17.6	17.9	18.1	18.4	18.9	17.6	17.9	18.1	18.4	18.9
	8H	17.5	17.8	18.0	18.3	18.9	17.5	17.8	18.0	18.3	18.9
	12H	17.5	17.7	18.0	18.2	18.8	17.5	17.7	18.0	18.2	18.8
12H	4H	17.7	18.0	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0
	6H	17.5	17.8	18.1	18.3	18.8	17.5	17.8	18.1	18.3	18.8
	8H	17.5	17.7	18.0	18.2	18.8	17.5	17.7	18.0	18.2	18.8

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 84
C-planes	0°		
γ	Luminance in cd/m²		
45°	18123.3		
50°	11558.5		
55°	8869.4		
60°	8133.2		
65°	3129.0		
70°	847.1		
75°	883.6		
80°	1075.1		
85°	1682.5		

Photometric test report

Family
Lunis 21

Order number: 51DB15MC91C
EAN: 4058352047194

LP number
59674_1

Luminance values in cd/m²

γ 65°

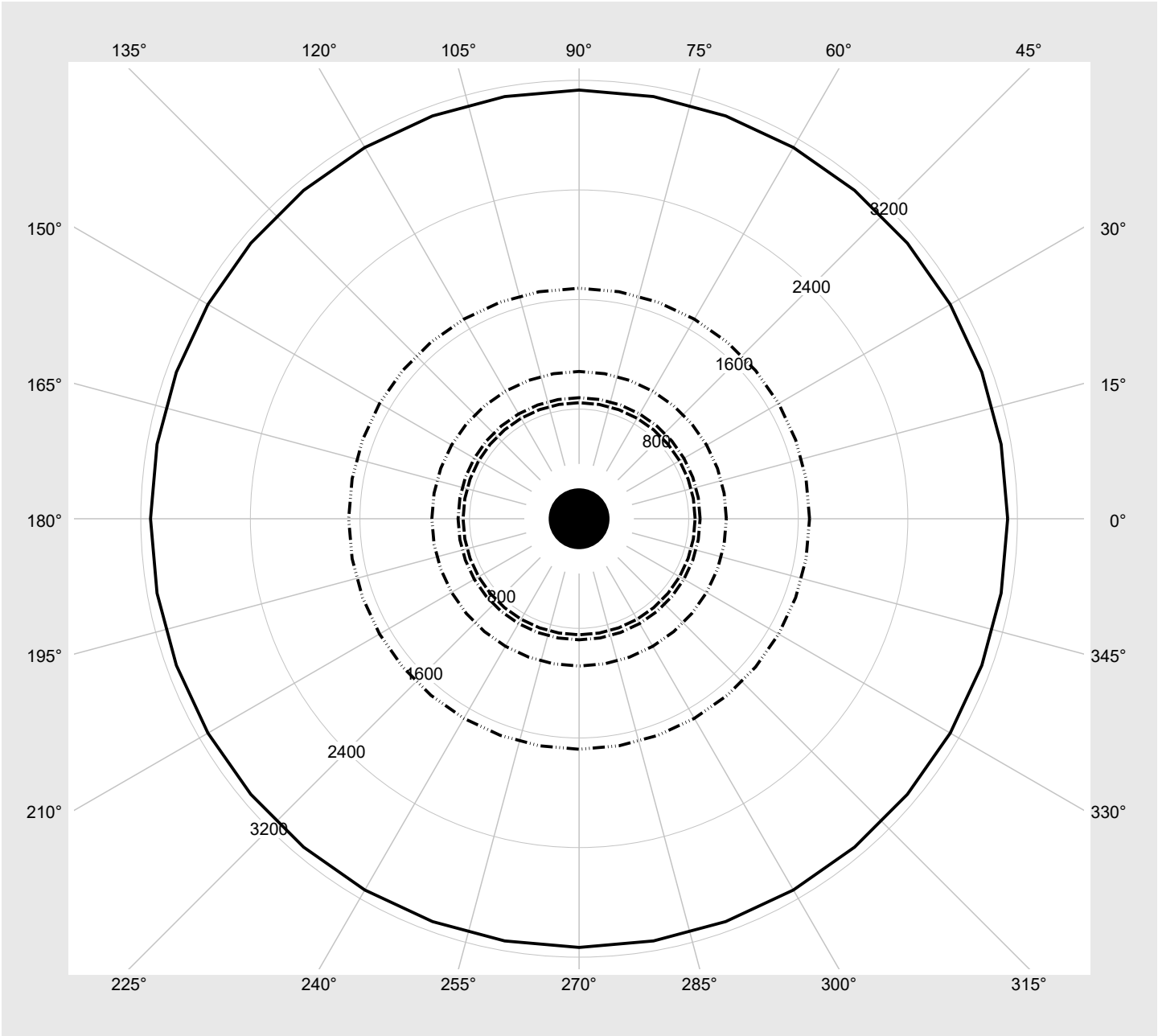
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family
Lunis 21

Order number: 51DB15MC91C
EAN: 4058352047194

LP number
59674_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	3920	25.5
11	ON	OFF	ON	ON	3610	22.1
10	ON	OFF	ON	OFF	3380	20.6
9	ON	OFF	OFF	ON	3210	19.5
8	ON	OFF	OFF	OFF	2980	18.0
7	OFF	ON	ON	ON	2610	15.7
6	OFF	ON	ON	OFF	2330	13.9
5	OFF	ON	OFF	ON	2080	12.4
4	OFF	ON	OFF	OFF	1790	10.6
3	OFF	OFF	ON	ON	1640	9.7
2	OFF	OFF	ON	OFF	1360	8.0
1	OFF	OFF	OFF	ON	1030	6.1
0	OFF	OFF	OFF	OFF	740	4.4