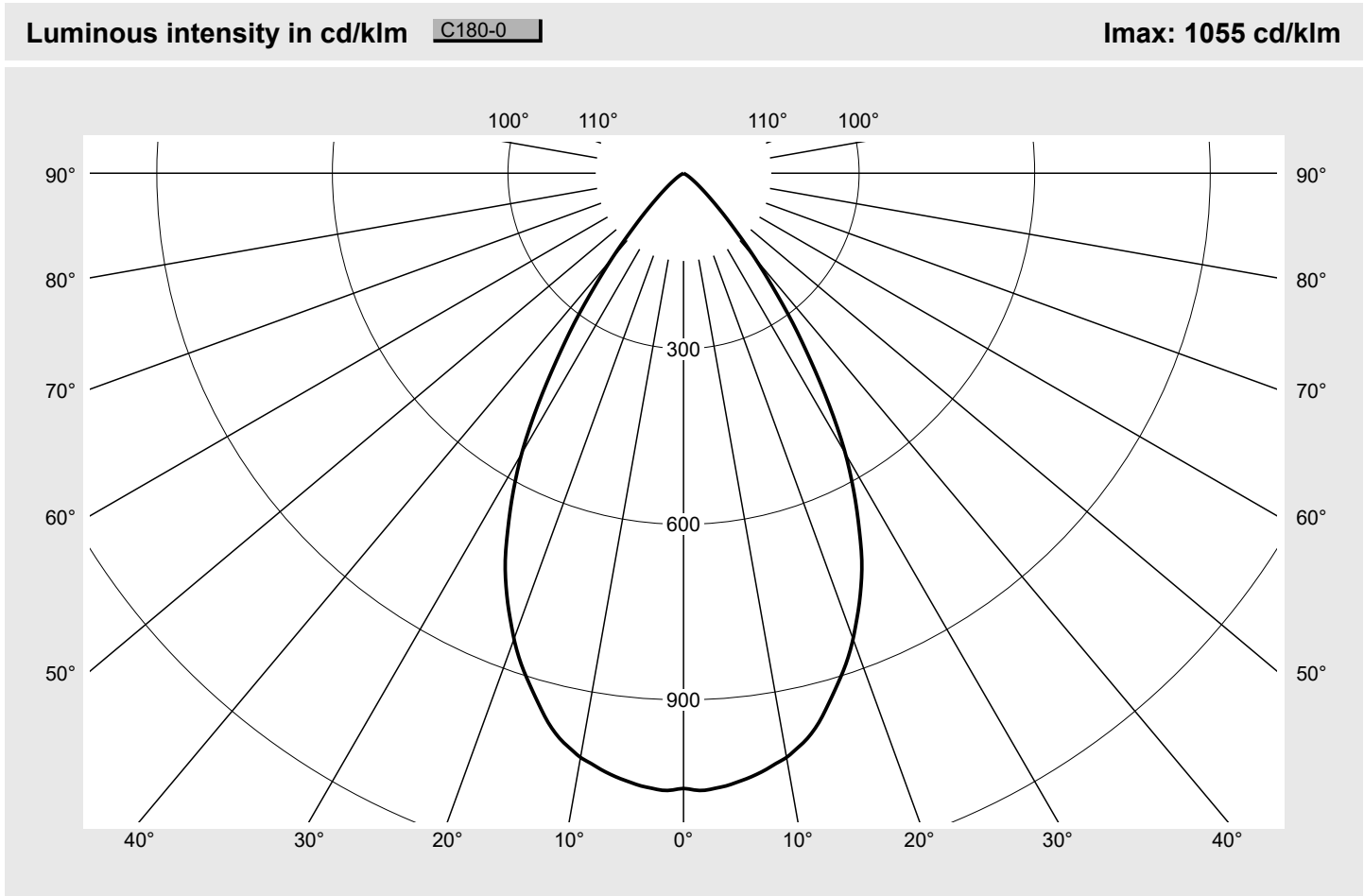


Photometric test report

Family Lunis 21 	Order number: 51DB15MD91C EAN: 4069025013385	LP number 59675_1
	Version	recessed luminaire, Combined lens and reflector optics, reflector, highly specular, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19 (L65≤1000cd/m²)
	Lamps Controlgear Setting Rated values	LED 3000 K CRI ≥ 80 ECG Multilumen individual position: DIP-Step=1, colour temperature 3000K Net luminous flux = 2120 lm Power consumption = 12.2 W Luminous efficacy = 173.8 lm/W

serial documentation27.09.2024

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Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=93 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: 51DB15MD91C EAN: 4069025013385	LP number 59675_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°	1051.3	0.3	0.3
1°	1054.1	2.0	2.3
2°	1055.1	4.0	6.3
3°	1052.3	6.0	12.3
4°	1049.5	8.0	20.4
5°	1044.8	10.0	30.4
6°	1040.1	11.9	42.3
7°	1034.4	13.8	56.1
8°	1027.9	15.7	71.8
9°	1020.4	17.5	89.3
10°	1013.8	19.3	108.6
11°	1003.5	21.0	129.6
12°	993.1	22.6	152.2
13°	980.0	24.2	176.4
14°	964.0	25.6	202.0
15°	945.3	26.8	228.8
16°	926.4	28.0	256.8
17°	907.8	29.1	285.9
18°	889.3	30.1	316.1
19°	869.1	31.0	347.1
20°	847.0	31.8	378.9
21°	823.0	32.3	411.2
22°	799.5	32.8	444.0
23°	774.6	33.2	477.2
24°	748.7	33.4	510.6
25°	719.9	33.4	544.0
26°	687.0	33.0	577.0
27°	654.5	32.6	609.6
28°	621.8	32.0	641.6
29°	588.0	31.3	672.9
30°	553.1	30.3	703.2
31°	514.2	29.0	732.2
32°	473.7	27.5	759.8
33°	432.5	25.8	785.6
34°	392.6	24.1	809.7
35°	355.2	22.3	832.0
36°	320.3	20.6	852.7
37°	283.8	18.7	871.4
38°	249.3	16.8	888.2
39°	218.8	15.1	903.3
40°	190.7	13.4	916.8
41°	164.1	11.8	928.6
42°	138.8	10.2	938.8
43°	118.3	8.8	947.6
44°	101.1	7.7	955.3
45°	85.3	6.6	961.9
46°	72.0	5.7	967.6

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	60.7	4.9	972.5
48°	51.8	4.2	976.7
49°	43.7	3.6	980.3
50°	36.9	3.1	983.4
51°	31.3	2.7	986.1
52°	26.4	2.3	988.3
53°	21.9	1.9	990.3
54°	18.6	1.7	991.9
55°	15.6	1.4	993.3
56°	12.9	1.2	994.5
57°	10.7	1.0	995.5
58°	8.7	0.8	996.3
59°	7.0	0.7	996.9
60°	5.4	0.5	997.5
61°	4.2	0.4	997.9
62°	3.1	0.3	998.2
63°	2.2	0.2	998.4
64°	1.6	0.2	998.5
65°	1.1	0.1	998.7
66°	0.8	0.1	998.7
67°	0.6	0.1	998.8
68°	0.6	0.1	998.9
69°	0.6	0.1	998.9
70°	0.6	0.1	999.0
71°	0.6	0.1	999.0
72°	0.6	0.1	999.1
73°	0.6	0.1	999.2
74°	0.6	0.1	999.2
75°	0.5	0.1	999.3
76°	0.5	0.1	999.3
77°	0.5	0.1	999.4
78°	0.5	0.1	999.4
79°	0.5	0.1	999.5
80°	0.5	0.1	999.5
81°	0.5	0.1	999.6
82°	0.5	0.1	999.6
83°	0.5	0.1	999.7
84°	0.5	0.1	999.8
85°	0.5	0.1	999.8
86°	0.5	0.1	999.9
87°	0.5	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: 51DB15MD91C EAN: 4069025013385	LP number 59675_1
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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	18.7	19.9	19.0	20.2	20.5	18.7	19.9	19.0	20.2	20.5
	3H	18.5	19.6	18.9	19.9	20.3	18.5	19.6	18.9	19.9	20.3
	4H	18.5	19.4	18.8	19.8	20.1	18.5	19.4	18.8	19.8	20.1
	6H	18.4	19.2	18.8	19.6	20.0	18.4	19.2	18.8	19.6	20.0
	8H	18.5	19.2	18.9	19.5	19.9	18.5	19.2	18.9	19.5	19.9
	12H	18.4	19.1	18.9	19.5	19.9	18.4	19.1	18.9	19.5	19.9
4H	2H	18.5	19.4	18.9	19.8	20.1	18.5	19.4	18.9	19.8	20.1
	3H	18.3	19.1	18.7	19.5	19.9	18.3	19.1	18.7	19.5	19.9
	4H	18.2	18.9	18.6	19.3	19.7	18.2	18.9	18.6	19.3	19.7
	6H	18.1	18.7	18.6	19.1	19.6	18.1	18.7	18.6	19.1	19.6
	8H	18.1	18.6	18.5	19.0	19.5	18.1	18.6	18.5	19.0	19.5
	12H	18.1	18.5	18.6	18.9	19.4	18.1	18.5	18.6	18.9	19.4
8H	4H	18.1	18.6	18.5	19.0	19.5	18.1	18.6	18.5	19.0	19.5
	6H	17.9	18.4	18.4	18.8	19.4	17.9	18.4	18.4	18.8	19.4
	8H	17.9	18.3	18.4	18.7	19.3	17.9	18.3	18.4	18.7	19.3
	12H	17.9	18.1	18.4	18.7	19.2	17.9	18.1	18.4	18.7	19.2
12H	4H	18.1	18.5	18.6	18.9	19.4	18.1	18.5	18.6	18.9	19.4
	6H	17.9	18.3	18.4	18.7	19.3	17.9	18.3	18.4	18.7	19.3
	8H	17.9	18.1	18.4	18.6	19.2	17.9	18.1	18.4	18.6	19.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 135
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C-planes		0°
γ	Luminance in cd/m²	
45°	17860.3	
50°	8495.6	
55°	4021.0	
60°	1612.0	
65°	386.6	
70°	251.6	
75°	310.2	
80°	423.9	
85°	786.8	

Photometric test report

Family
Lunis 21

Order number: 51DB15MD91C
EAN: 4069025013385

LP number
59675_1

Luminance values in cd/m²

γ 65°

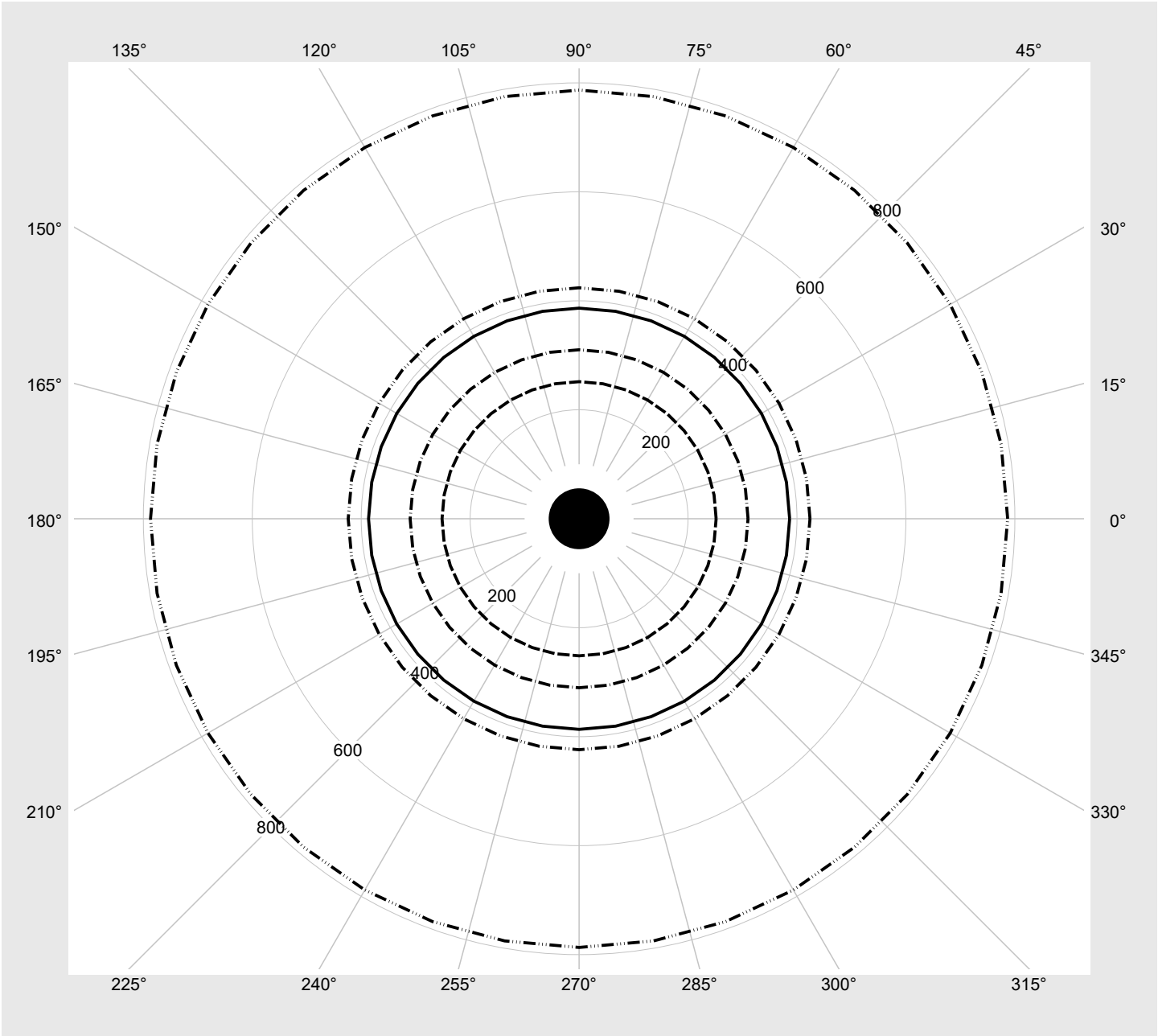
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB15MD91C EAN: 4069025013385	LP number 59675_1
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
7	OFF	ON	ON	ON	3670	21.7
6	OFF	ON	ON	OFF	3440	20.3
5	OFF	ON	OFF	ON	3280	19.2
4	OFF	ON	OFF	OFF	3050	17.7
3	OFF	OFF	ON	ON	2670	15.5
2	OFF	OFF	ON	OFF	2380	13.7
1	OFF	OFF	OFF	ON	2120	12.2
0	OFF	OFF	OFF	OFF	1810	10.5