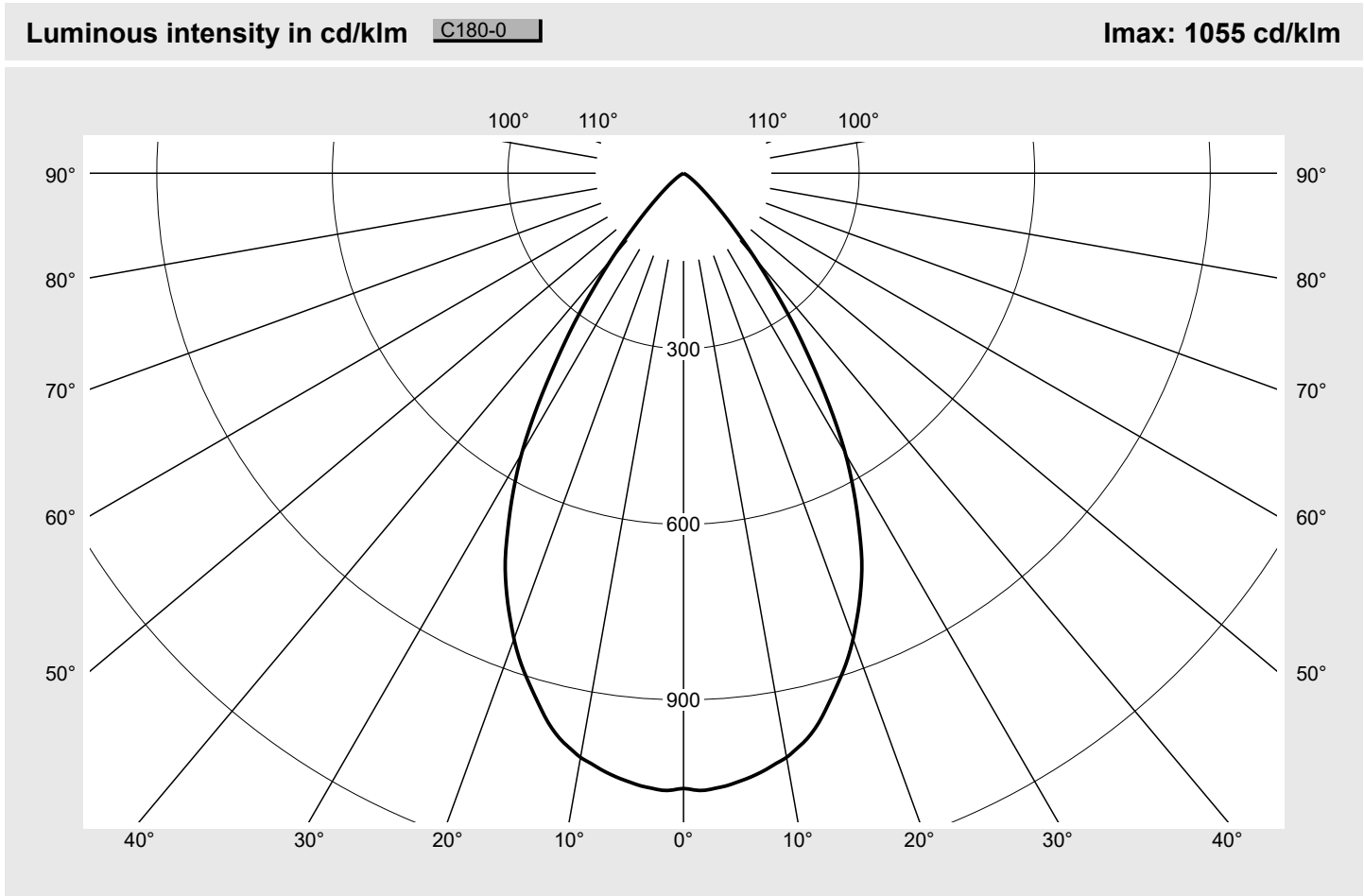


Photometric test report

Family Lunis 21	Order number: 51DB15MD91C EAN: 4069025013385	LP number 59675_2
	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	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=1, colour temperature 4000K
	Rated values	Net luminous flux = 2180 lm Power consumption = 12.2 W Luminous efficacy = 178.7 lm/W
		serial documentation 27.09.2024
		siteco



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_2
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°	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_2	
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	18.8	20.0	19.1	20.3	20.6	18.8	20.0	19.1	20.3	20.6
	3H	18.6	19.7	19.0	20.0	20.4	18.6	19.7	19.0	20.0	20.4
	4H	18.5	19.5	18.9	19.9	20.2	18.5	19.5	18.9	19.9	20.2
	6H	18.5	19.3	18.9	19.7	20.1	18.5	19.3	18.9	19.7	20.1
	8H	18.6	19.3	19.0	19.6	20.0	18.6	19.3	19.0	19.6	20.0
	12H	18.5	19.2	19.0	19.5	20.0	18.5	19.2	19.0	19.5	20.0
4H	2H	18.6	19.5	19.0	19.9	20.2	18.6	19.5	19.0	19.9	20.2
	3H	18.4	19.2	18.8	19.6	20.0	18.4	19.2	18.8	19.6	20.0
	4H	18.3	19.0	18.7	19.4	19.8	18.3	19.0	18.7	19.4	19.8
	6H	18.2	18.8	18.7	19.2	19.7	18.2	18.8	18.7	19.2	19.7
	8H	18.2	18.7	18.6	19.1	19.6	18.2	18.7	18.6	19.1	19.6
	12H	18.2	18.6	18.7	19.0	19.5	18.2	18.6	18.7	19.0	19.5
8H	4H	18.2	18.7	18.6	19.1	19.6	18.2	18.7	18.6	19.1	19.6
	6H	18.0	18.5	18.5	18.9	19.5	18.0	18.5	18.5	18.9	19.5
	8H	18.0	18.4	18.5	18.8	19.4	18.0	18.4	18.5	18.8	19.4
	12H	18.0	18.2	18.5	18.7	19.3	18.0	18.2	18.5	18.7	19.3
12H	4H	18.2	18.6	18.7	19.0	19.5	18.2	18.6	18.7	19.0	19.5
	6H	18.0	18.3	18.5	18.8	19.4	18.0	18.3	18.5	18.8	19.4
	8H	18.0	18.2	18.5	18.7	19.3	18.0	18.2	18.5	18.7	19.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 135
C-planes	0°		
γ	Luminance in cd/m²		
45°	18365.8		
50°	8736.1		
55°	4134.8		
60°	1657.6		
65°	397.5		
70°	258.7		
75°	318.9		
80°	435.9		
85°	809.1		

Photometric test report

Family
Lunis 21

Order number: 51DB15MD91C
EAN: 4069025013385

LP number
59675_2

Luminance values in cd/m²

γ 65°

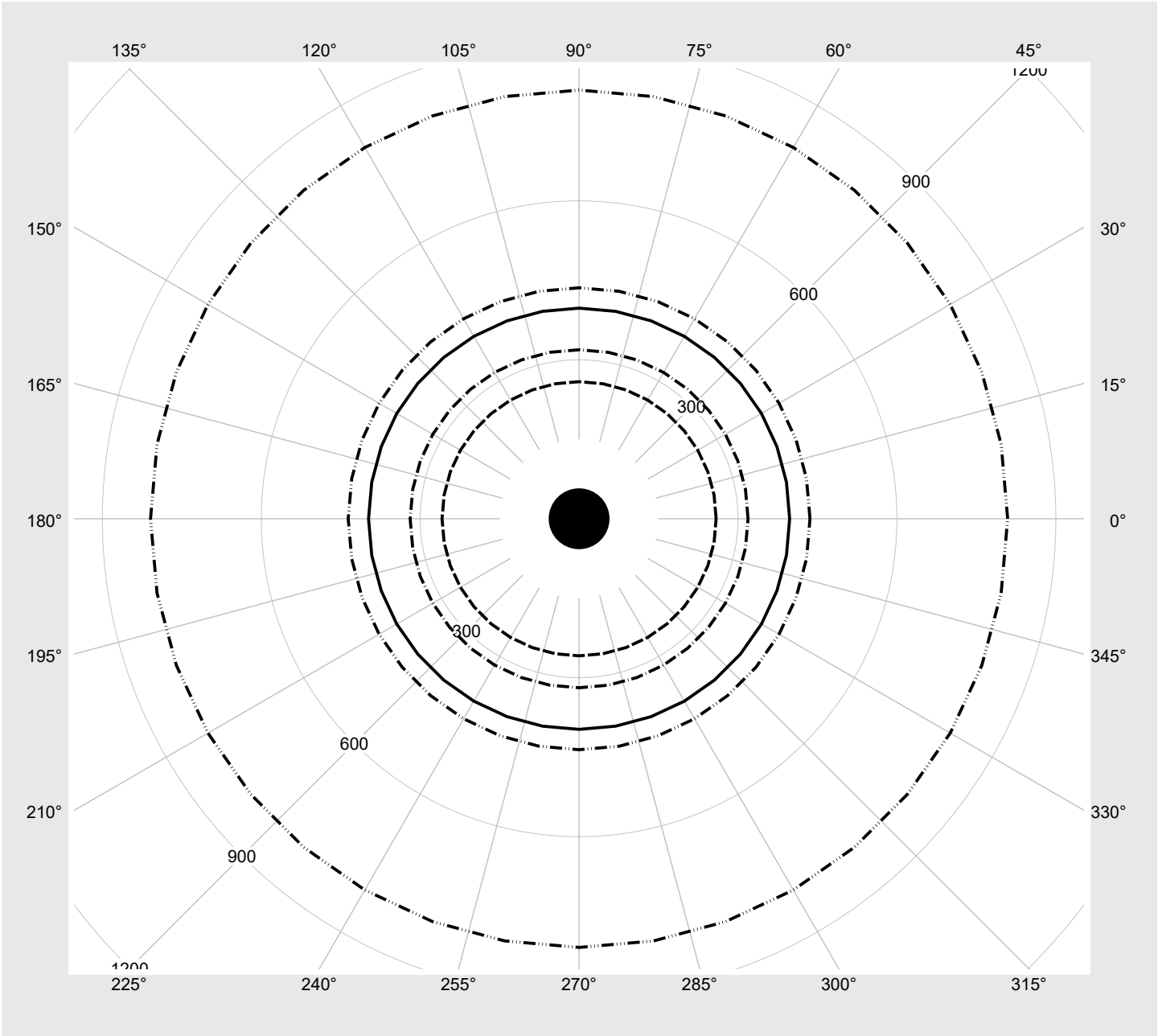
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB15MD91C EAN: 4069025013385	LP number 59675_2
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	3790	21.7
6	OFF	ON	ON	OFF	3550	20.3
5	OFF	ON	OFF	ON	3380	19.2
4	OFF	ON	OFF	OFF	3140	17.7
3	OFF	OFF	ON	ON	2750	15.5
2	OFF	OFF	ON	OFF	2450	13.7
1	OFF	OFF	OFF	ON	2180	12.2
0	OFF	OFF	OFF	OFF	1870	10.5