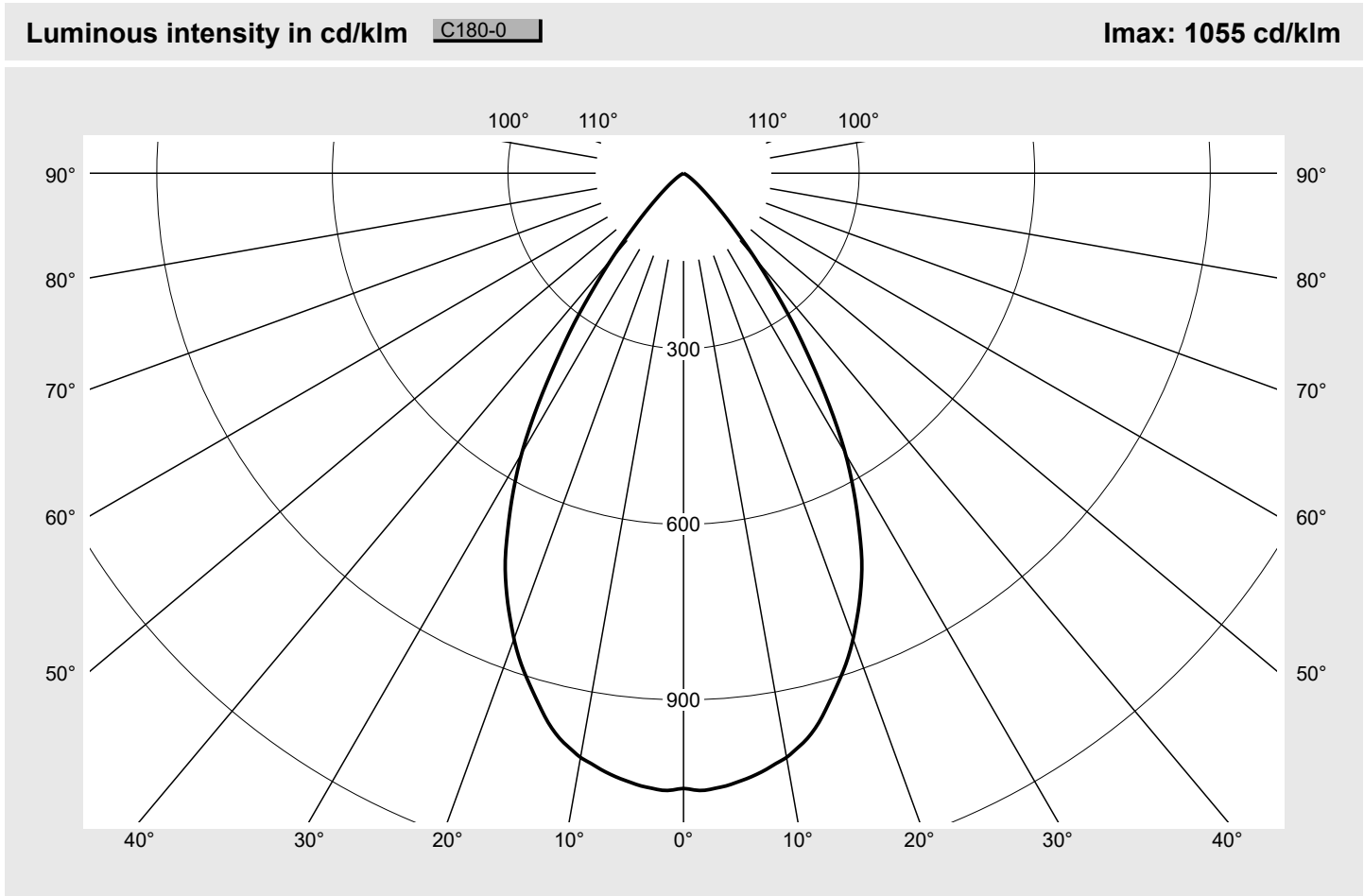


Photometric test report

Family Lunis 21		Order number: 51DB15ED91C EAN: 4069025013422	LP number 59675_4
		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 3000 K CRI ≥ 80
		Controlgear	ECG Multilumen
		Setting	individual position: DIP-Step=5, colour temperature 3000K
		Rated values	Net luminous flux = 2030 lm Power consumption = 12.2 W Luminous efficacy = 166.4 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: 51DB15ED91C EAN: 4069025013422	LP number 59675_4
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: 51DB15ED91C EAN: 4069025013422							LP number 59675_4	
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	18.5	19.7	18.9	20.0	20.3	18.5	19.7	18.9	20.0	20.3
	3H	18.4	19.4	18.8	19.7	20.1	18.4	19.4	18.8	19.7	20.1
	4H	18.3	19.2	18.7	19.6	20.0	18.3	19.2	18.7	19.6	20.0
	6H	18.2	19.1	18.6	19.5	19.8	18.2	19.1	18.6	19.5	19.8
	8H	18.3	19.0	18.7	19.4	19.8	18.3	19.0	18.7	19.4	19.8
	12H	18.3	18.9	18.7	19.3	19.7	18.3	18.9	18.7	19.3	19.7
4H	2H	18.3	19.3	18.7	19.6	20.0	18.3	19.3	18.7	19.6	20.0
	3H	18.1	18.9	18.6	19.3	19.7	18.1	18.9	18.6	19.3	19.7
	4H	18.0	18.7	18.5	19.1	19.6	18.0	18.7	18.5	19.1	19.6
	6H	17.9	18.5	18.4	19.0	19.4	17.9	18.5	18.4	19.0	19.4
	8H	17.9	18.4	18.4	18.9	19.4	17.9	18.4	18.4	18.9	19.4
	12H	17.9	18.3	18.4	18.8	19.3	17.9	18.3	18.4	18.8	19.3
8H	4H	17.9	18.4	18.4	18.9	19.4	17.9	18.4	18.4	18.9	19.4
	6H	17.8	18.2	18.3	18.7	19.2	17.8	18.2	18.3	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	19.1	17.7	18.0	18.2	18.5	19.1
12H	4H	17.9	18.3	18.4	18.8	19.3	17.9	18.3	18.4	18.8	19.3
	6H	17.8	18.1	18.3	18.6	19.1	17.8	18.1	18.3	18.6	19.1
	8H	17.7	18.0	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 135
C-planes	0°		
γ	Luminance in cd/m²		
45°	17102.1		
50°	8135.0		
55°	3850.3		
60°	1543.6		
65°	370.1		
70°	240.9		
75°	297.0		
80°	405.9		
85°	753.4		

Photometric test report

Family
Lunis 21

Order number: 51DB15ED91C
EAN: 4069025013422

LP number
59675_4

Luminance values in cd/m²

γ 65°

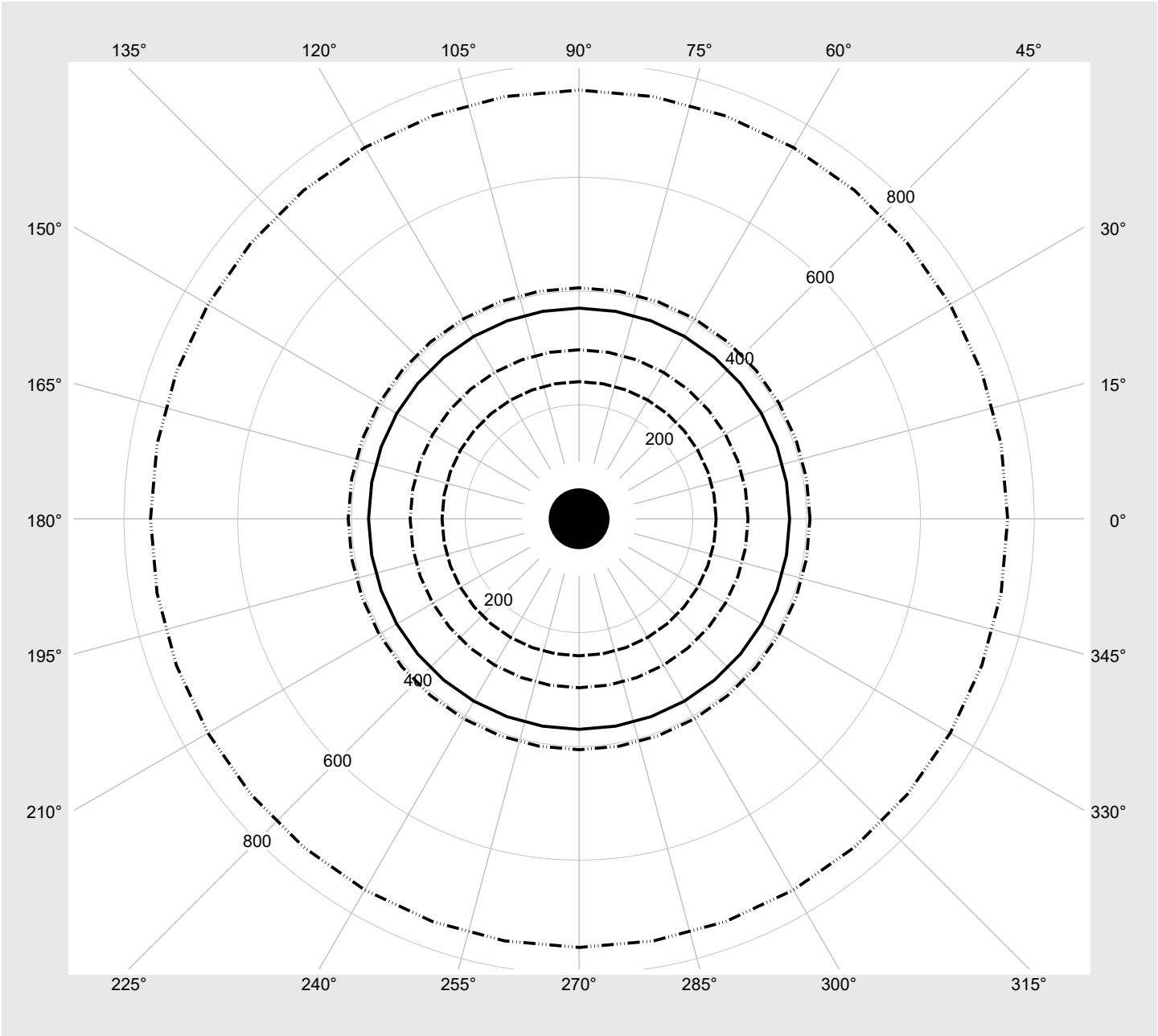
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family
Lunis 21

Order number: 51DB15ED91C
EAN: 4069025013422

LP number
59675_4

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	3940	25.4
11	ON	OFF	ON	ON	3530	21.7
10	ON	OFF	ON	OFF	3310	20.3
9	ON	OFF	OFF	ON	3150	19.2
8	ON	OFF	OFF	OFF	2920	17.7
7	OFF	ON	ON	ON	2560	15.5
6	OFF	ON	ON	OFF	2280	13.7
5	OFF	ON	OFF	ON	2030	12.2
4	OFF	ON	OFF	OFF	1740	10.5
3	OFF	OFF	ON	ON	1620	9.7
2	OFF	OFF	ON	OFF	1350	8.0
1	OFF	OFF	OFF	ON	1040	6.1
0	OFF	OFF	OFF	OFF	760	4.4