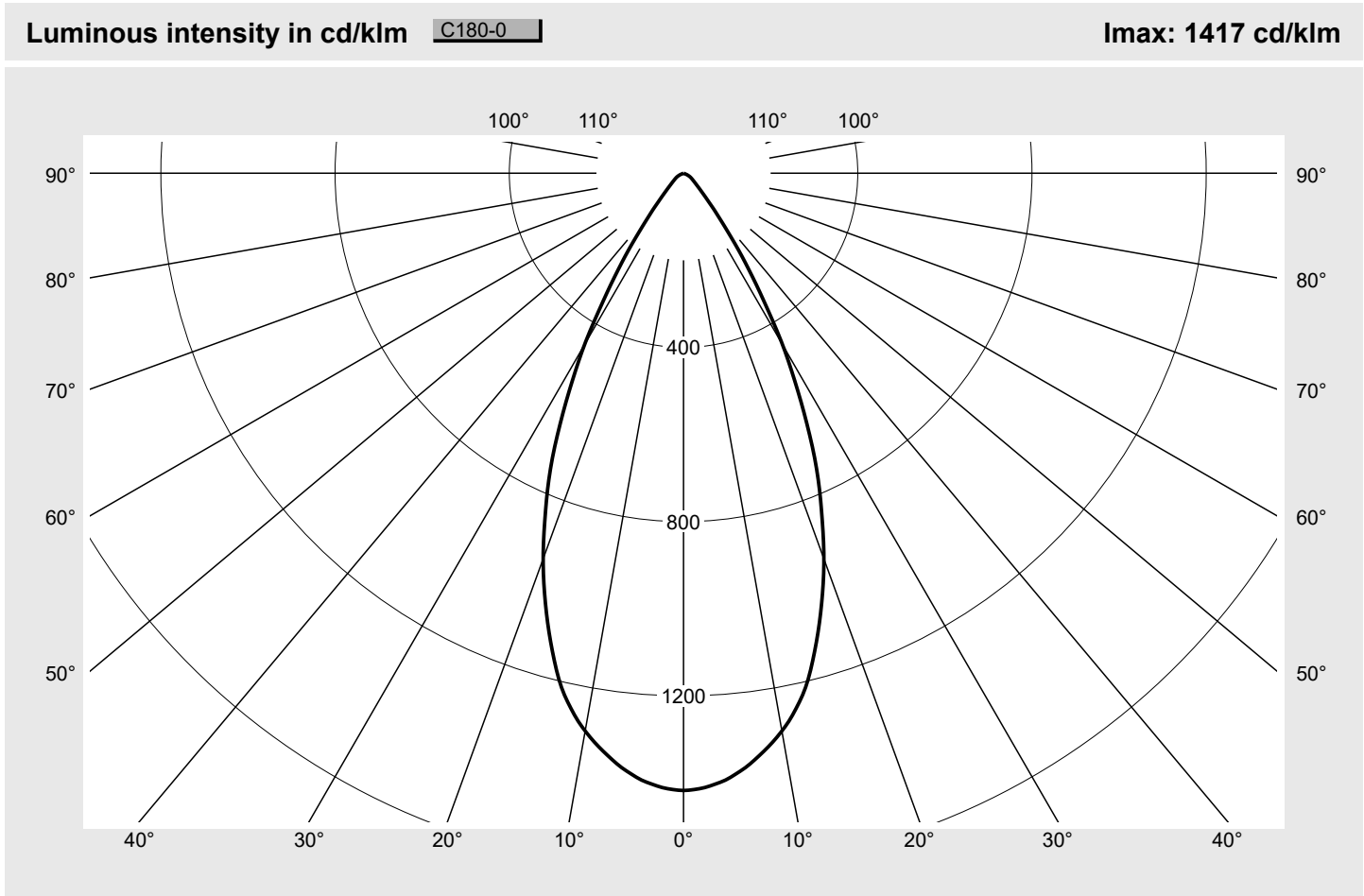


Photometric test report

Family Lunis 21	Order number: 51DB19EC91C EAN: 4069025012951	LP number 59686_5
	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 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=4, colour temperature 4000K
	Rated values	Net luminous flux = 1730 lm Power consumption = 11.1 W Luminous efficacy = 155.9 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: 51DB19EC91C EAN: 4069025012951	LP number 59686_5
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°	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: 51DB19EC91C EAN: 4069025012951							LP number 59686_5	
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	20.4	19.6	20.7	21.0	19.2	20.4	19.6	20.7	21.0
	3H	19.2	20.2	19.6	20.5	20.9	19.2	20.2	19.6	20.5	20.9
	4H	19.2	20.1	19.6	20.4	20.8	19.2	20.1	19.6	20.4	20.8
	6H	19.1	19.9	19.5	20.3	20.7	19.1	19.9	19.5	20.3	20.7
	8H	19.2	19.9	19.6	20.3	20.7	19.2	19.9	19.6	20.3	20.7
	12H	19.2	19.8	19.6	20.2	20.6	19.2	19.8	19.6	20.2	20.6
4H	2H	19.2	20.1	19.6	20.4	20.8	19.2	20.1	19.6	20.4	20.8
	3H	19.1	19.9	19.6	20.3	20.7	19.1	19.9	19.6	20.3	20.7
	4H	19.1	19.8	19.5	20.2	20.6	19.1	19.8	19.5	20.2	20.6
	6H	19.0	19.6	19.5	20.0	20.5	19.0	19.6	19.5	20.0	20.5
	8H	19.0	19.5	19.5	20.0	20.4	19.0	19.5	19.5	20.0	20.4
	12H	19.0	19.4	19.5	19.9	20.4	19.0	19.4	19.5	19.9	20.4
8H	4H	19.0	19.5	19.5	19.9	20.4	19.0	19.5	19.5	19.9	20.4
	6H	18.9	19.3	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
	8H	18.9	19.2	19.4	19.7	20.3	18.9	19.2	19.4	19.7	20.3
	12H	18.9	19.1	19.4	19.7	20.2	18.9	19.1	19.4	19.7	20.2
12H	4H	19.0	19.4	19.5	19.8	20.3	19.0	19.4	19.5	19.8	20.3
	6H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	20.2
	8H	18.9	19.1	19.4	19.6	20.2	18.9	19.1	19.4	19.6	20.2

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	24420.1			
50°	16842.1			
55°	13427.4			
60°	11237.0			
65°	7451.7			
70°	4324.6			
75°	3121.5			
80°	2569.0			
85°	2328.2			

Photometric test report

Family
Lunis 21

Order number: 51DB19EC91C
EAN: 4069025012951

LP number
59686_5

Luminance values in cd/m²

γ 65°

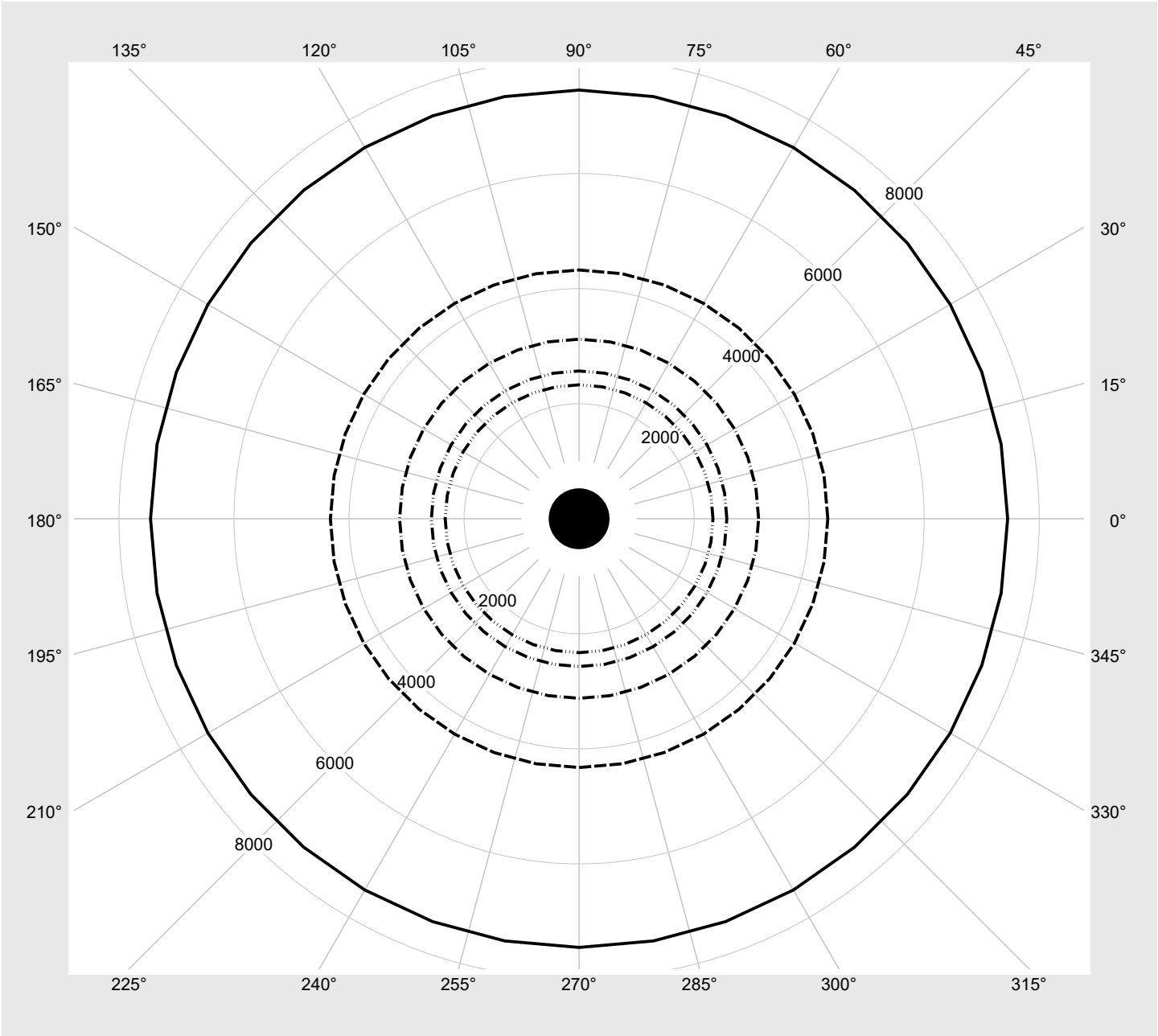
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family
Lunis 21

Order number: 51DB19EC91C
EAN: 4069025012951

LP number
59686_5

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	3750	25.5
11	ON	OFF	ON	ON	3470	23.5
10	ON	OFF	ON	OFF	3240	21.6
9	ON	OFF	OFF	ON	3040	20.1
8	ON	OFF	OFF	OFF	2850	18.8
7	OFF	ON	ON	ON	2510	16.5
6	OFF	ON	ON	OFF	2240	14.6
5	OFF	ON	OFF	ON	2000	12.9
4	OFF	ON	OFF	OFF	1730	11.1
3	OFF	OFF	ON	ON	1520	9.7
2	OFF	OFF	ON	OFF	1250	8.0
1	OFF	OFF	OFF	ON	960	6.1
0	OFF	OFF	OFF	OFF	690	4.4