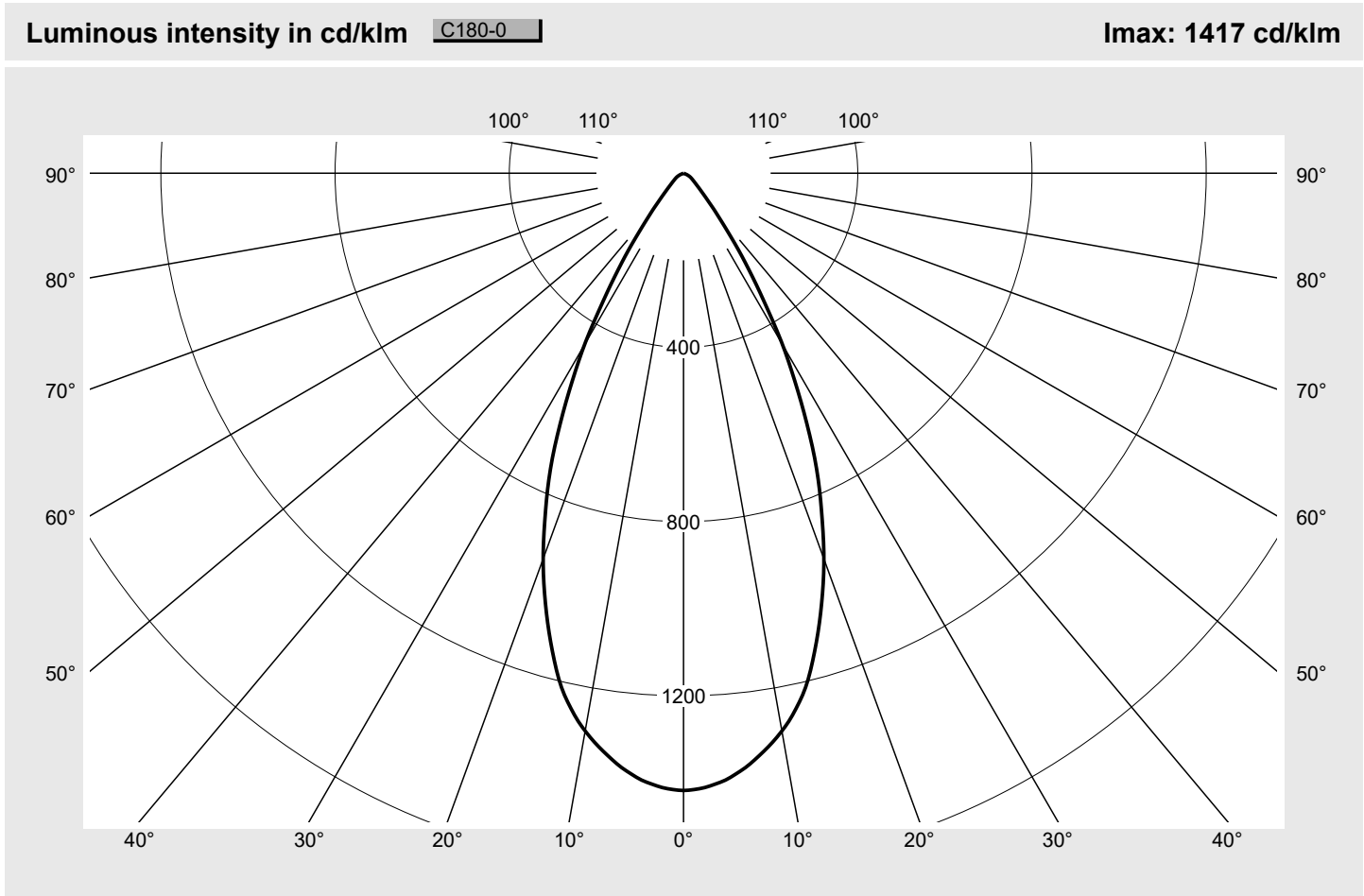


Photometric test report

Family Lunis 21	Order number: 51DB19EC91C EAN: 4069025012951	LP number 59686_4
	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 3000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=4, colour temperature 3000K
	Rated values	Net luminous flux = 1640 lm Power consumption = 11.1 W Luminous efficacy = 147.7 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=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: 51DB19EC91C EAN: 4069025012951	LP number 59686_4
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_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	19.0	20.2	19.4	20.5	20.8	19.0	20.2	19.4	20.5	20.8
	3H	19.0	20.0	19.4	20.4	20.7	19.0	20.0	19.4	20.4	20.7
	4H	19.0	19.9	19.4	20.2	20.6	19.0	19.9	19.4	20.2	20.6
	6H	18.9	19.7	19.3	20.1	20.5	18.9	19.7	19.3	20.1	20.5
	8H	19.0	19.7	19.5	20.1	20.5	19.0	19.7	19.5	20.1	20.5
	12H	19.0	19.6	19.4	20.0	20.4	19.0	19.6	19.4	20.0	20.4
4H	2H	19.0	19.9	19.4	20.2	20.6	19.0	19.9	19.4	20.2	20.6
	3H	19.0	19.7	19.4	20.1	20.5	19.0	19.7	19.4	20.1	20.5
	4H	18.9	19.6	19.3	20.0	20.4	18.9	19.6	19.3	20.0	20.4
	6H	18.8	19.4	19.3	19.8	20.3	18.8	19.4	19.3	19.8	20.3
	8H	18.8	19.3	19.3	19.8	20.3	18.8	19.3	19.3	19.8	20.3
	12H	18.8	19.2	19.3	19.7	20.2	18.8	19.2	19.3	19.7	20.2
8H	4H	18.8	19.3	19.3	19.7	20.2	18.8	19.3	19.3	19.7	20.2
	6H	18.7	19.1	19.2	19.6	20.1	18.7	19.1	19.2	19.6	20.1
	8H	18.7	19.1	19.2	19.5	20.1	18.7	19.1	19.2	19.5	20.1
	12H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
12H	4H	18.8	19.2	19.3	19.7	20.2	18.8	19.2	19.3	19.7	20.2
	6H	18.7	19.0	19.2	19.5	20.1	18.7	19.0	19.2	19.5	20.1
	8H	18.7	18.9	19.2	19.5	20.0	18.7	18.9	19.2	19.5	20.0

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	23149.7			
50°	15965.9			
55°	12728.9			
60°	10652.5			
65°	7064.0			
70°	4099.6			
75°	2959.1			
80°	2435.3			
85°	2207.1			

Photometric test report

Family
Lunis 21

Order number: 51DB19EC91C
EAN: 4069025012951

LP number
59686_4

Luminance values in cd/m²

γ 65°

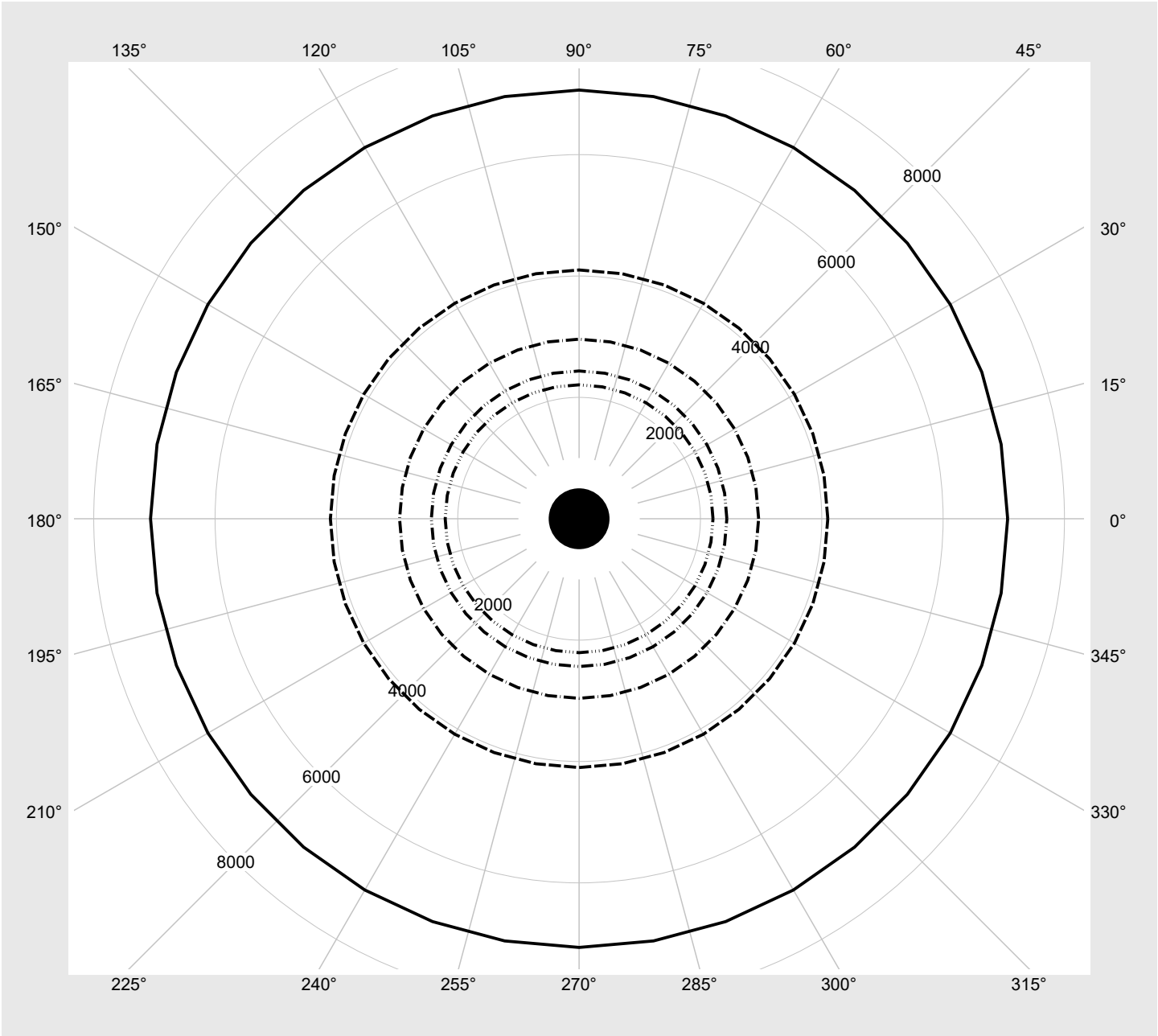
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19EC91C EAN: 4069025012951	LP number 59686_4
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
12	ON	ON	OFF	OFF	3560	25.5
11	ON	OFF	ON	ON	3300	23.5
10	ON	OFF	ON	OFF	3090	21.6
9	ON	OFF	OFF	ON	2890	20.1
8	ON	OFF	OFF	OFF	2710	18.8
7	OFF	ON	ON	ON	2390	16.5
6	OFF	ON	ON	OFF	2130	14.6
5	OFF	ON	OFF	ON	1900	12.9
4	OFF	ON	OFF	OFF	1640	11.1
3	OFF	OFF	ON	ON	1450	9.7
2	OFF	OFF	ON	OFF	1200	8.0
1	OFF	OFF	OFF	ON	920	6.1
0	OFF	OFF	OFF	OFF	660	4.4