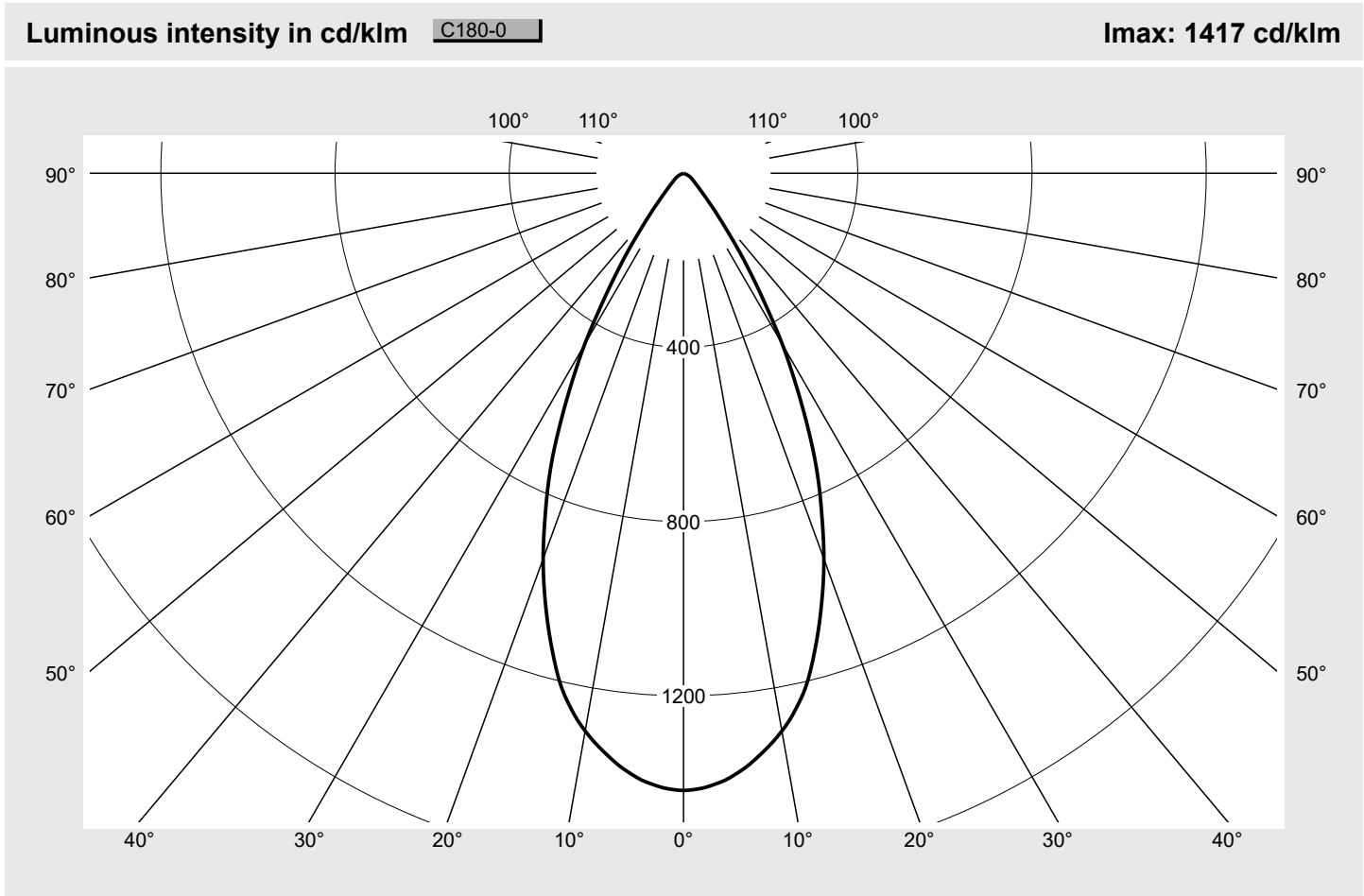


Photometric test report

Family Lunis 21	Order number: 51DB19MC91C EAN: 4069025012913	LP number 59686_3
	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 6500 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=4, colour temperature 6500K
	Rated values	Net luminous flux = 1750 lm Power consumption = 10.6 W Luminous efficacy = 165.1 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: 51DB19MC91C EAN: 4069025012913	LP number 59686_3
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: 51DB19MC91C EAN: 4069025012913							LP number 59686_3	
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	19.3	20.4	19.6	20.7	21.0	19.3	20.4	19.6	20.7	21.0
	3H	19.3	20.3	19.6	20.6	20.9	19.3	20.3	19.6	20.6	20.9
	4H	19.2	20.1	19.6	20.5	20.9	19.2	20.1	19.6	20.5	20.9
	6H	19.1	20.0	19.6	20.3	20.7	19.1	20.0	19.6	20.3	20.7
	8H	19.3	19.9	19.7	20.3	20.7	19.3	19.9	19.7	20.3	20.7
	12H	19.2	19.8	19.7	20.2	20.6	19.2	19.8	19.7	20.2	20.6
4H	2H	19.2	20.1	19.6	20.5	20.8	19.2	20.1	19.6	20.5	20.8
	3H	19.2	19.9	19.6	20.3	20.7	19.2	19.9	19.6	20.3	20.7
	4H	19.1	19.8	19.6	20.2	20.7	19.1	19.8	19.6	20.2	20.7
	6H	19.1	19.6	19.5	20.1	20.5	19.1	19.6	19.5	20.1	20.5
	8H	19.1	19.5	19.5	20.0	20.5	19.1	19.5	19.5	20.0	20.5
	12H	19.1	19.5	19.6	19.9	20.4	19.1	19.5	19.6	19.9	20.4
8H	4H	19.0	19.5	19.5	20.0	20.5	19.0	19.5	19.5	20.0	20.5
	6H	19.0	19.4	19.5	19.8	20.4	19.0	19.4	19.5	19.8	20.4
	8H	18.9	19.3	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
	12H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	20.2
12H	4H	19.0	19.4	19.5	19.9	20.4	19.0	19.4	19.5	19.9	20.4
	6H	19.0	19.3	19.5	19.8	20.3	19.0	19.3	19.5	19.8	20.3
	8H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	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°	24702.4			
50°	17036.8			
55°	13582.7			
60°	11366.9			
65°	7537.8			
70°	4374.5			
75°	3157.6			
80°	2598.7			
85°	2355.1			

Photometric test report

Family
Lunis 21

Order number: 51DB19MC91C
EAN: 4069025012913

LP number
59686_3

Luminance values in cd/m²

γ 65°

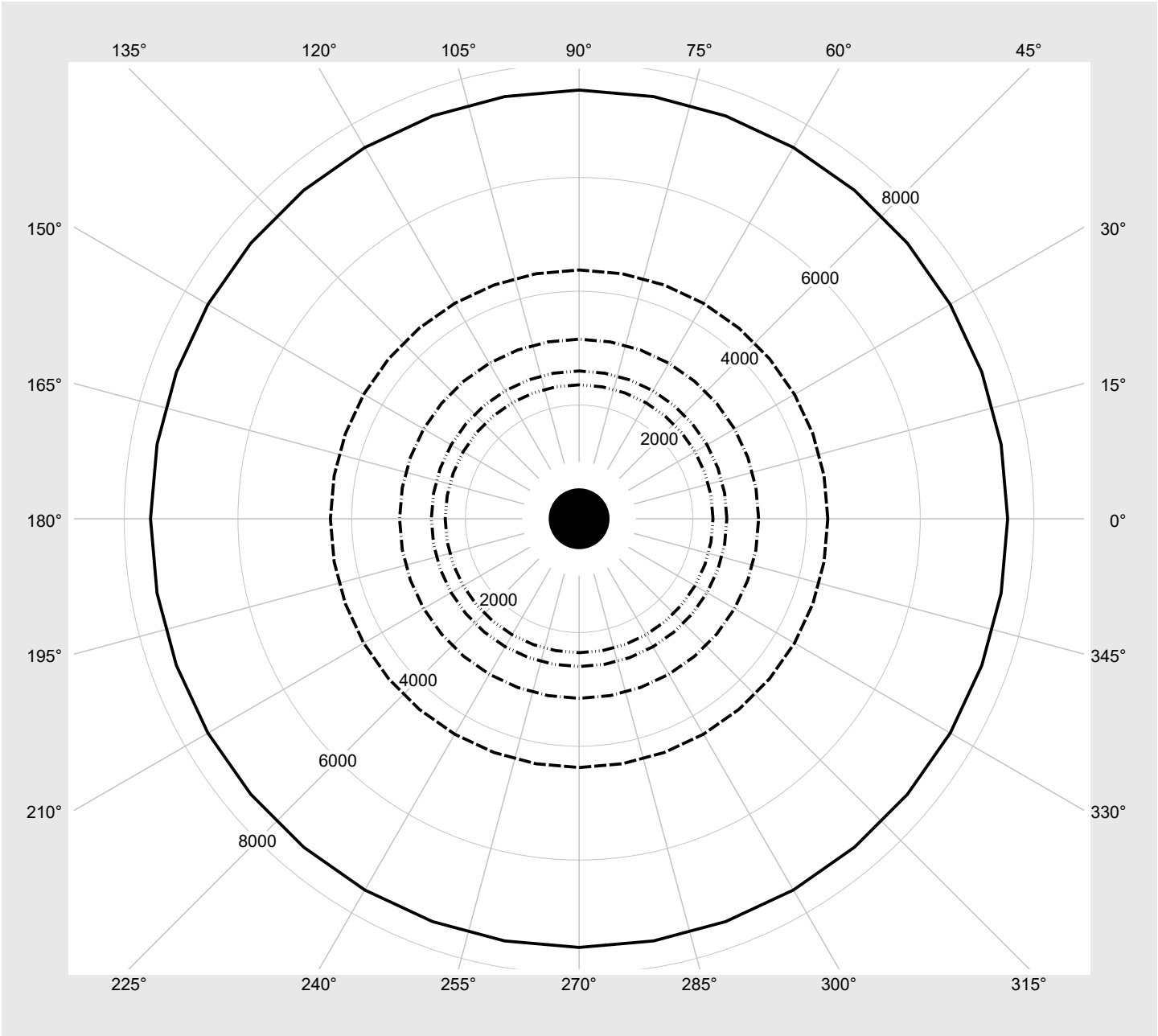
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19MC91C EAN: 4069025012913	LP number 59686_3
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	3840	25.5
11	ON	OFF	ON	ON	3540	22.1
10	ON	OFF	ON	OFF	3320	20.6
9	ON	OFF	OFF	ON	3150	19.5
8	ON	OFF	OFF	OFF	2920	18.0
7	OFF	ON	ON	ON	2570	15.7
6	OFF	ON	ON	OFF	2280	13.9
5	OFF	ON	OFF	ON	2040	12.4
4	OFF	ON	OFF	OFF	1750	10.6
3	OFF	OFF	ON	ON	1610	9.7
2	OFF	OFF	ON	OFF	1330	8.0
1	OFF	OFF	OFF	ON	1010	6.1
0	OFF	OFF	OFF	OFF	730	4.4