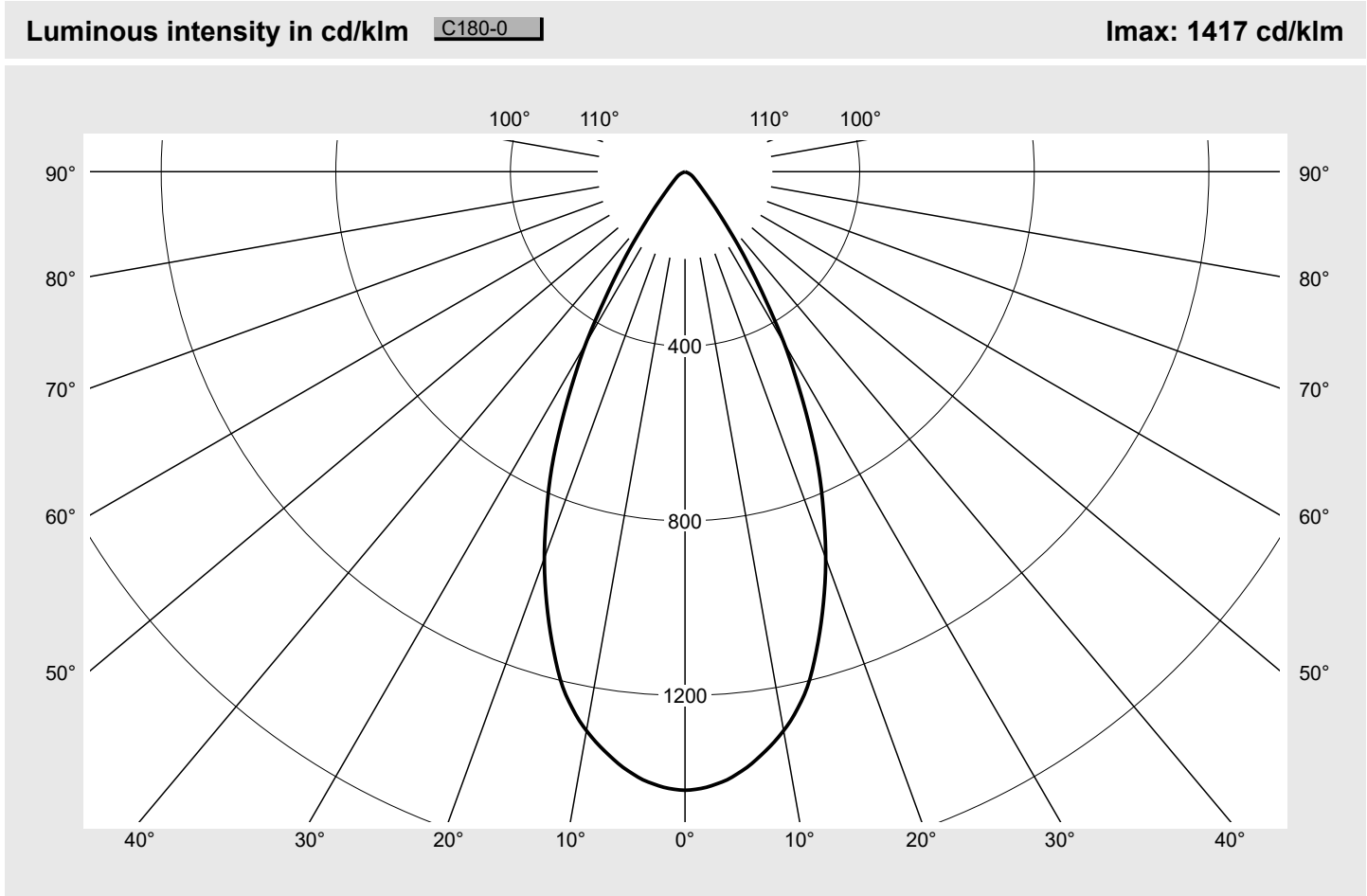


Photometric test report

Family Lunis 21	Order number: 51DB19EC91C EAN: 4069025012951	LP number 59686_6
	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 = 1710 lm Power consumption = 11.1 W Luminous efficacy = 154.1 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: 51DB19EC91C EAN: 4069025012951	LP number 59686_6
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_6	
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	20.3	19.5	20.6	21.0	19.2	20.3	19.5	20.6	21.0
	3H	19.2	20.2	19.6	20.5	20.9	19.2	20.2	19.6	20.5	20.9
	4H	19.1	20.0	19.5	20.4	20.8	19.1	20.0	19.5	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	19.8	19.6	20.2	20.6	19.2	19.8	19.6	20.2	20.6
	12H	19.1	19.7	19.6	20.1	20.5	19.1	19.7	19.6	20.1	20.5
4H	2H	19.1	20.0	19.5	20.4	20.8	19.1	20.0	19.5	20.4	20.8
	3H	19.1	19.9	19.5	20.2	20.7	19.1	19.9	19.5	20.2	20.7
	4H	19.0	19.7	19.5	20.1	20.6	19.0	19.7	19.5	20.1	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	19.9	20.4	19.0	19.5	19.5	19.9	20.4
	12H	19.0	19.4	19.5	19.8	20.3	19.0	19.4	19.5	19.8	20.3
8H	4H	18.9	19.4	19.4	19.9	20.4	18.9	19.4	19.4	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	18.8	19.2	19.4	19.7	20.2	18.8	19.2	19.4	19.7	20.2
	12H	18.8	19.1	19.4	19.6	20.2	18.8	19.1	19.4	19.6	20.2
12H	4H	19.0	19.3	19.4	19.8	20.3	19.0	19.3	19.4	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	18.8	19.1	19.4	19.6	20.2	18.8	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°	24137.8			
50°	16647.4			
55°	13272.2			
60°	11107.1			
65°	7365.5			
70°	4274.6			
75°	3085.4			
80°	2539.3			
85°	2301.3			

Photometric test report

Family
Lunis 21

Order number: 51DB19EC91C
EAN: 4069025012951

LP number
59686_6

Luminance values in cd/m²

γ 65°

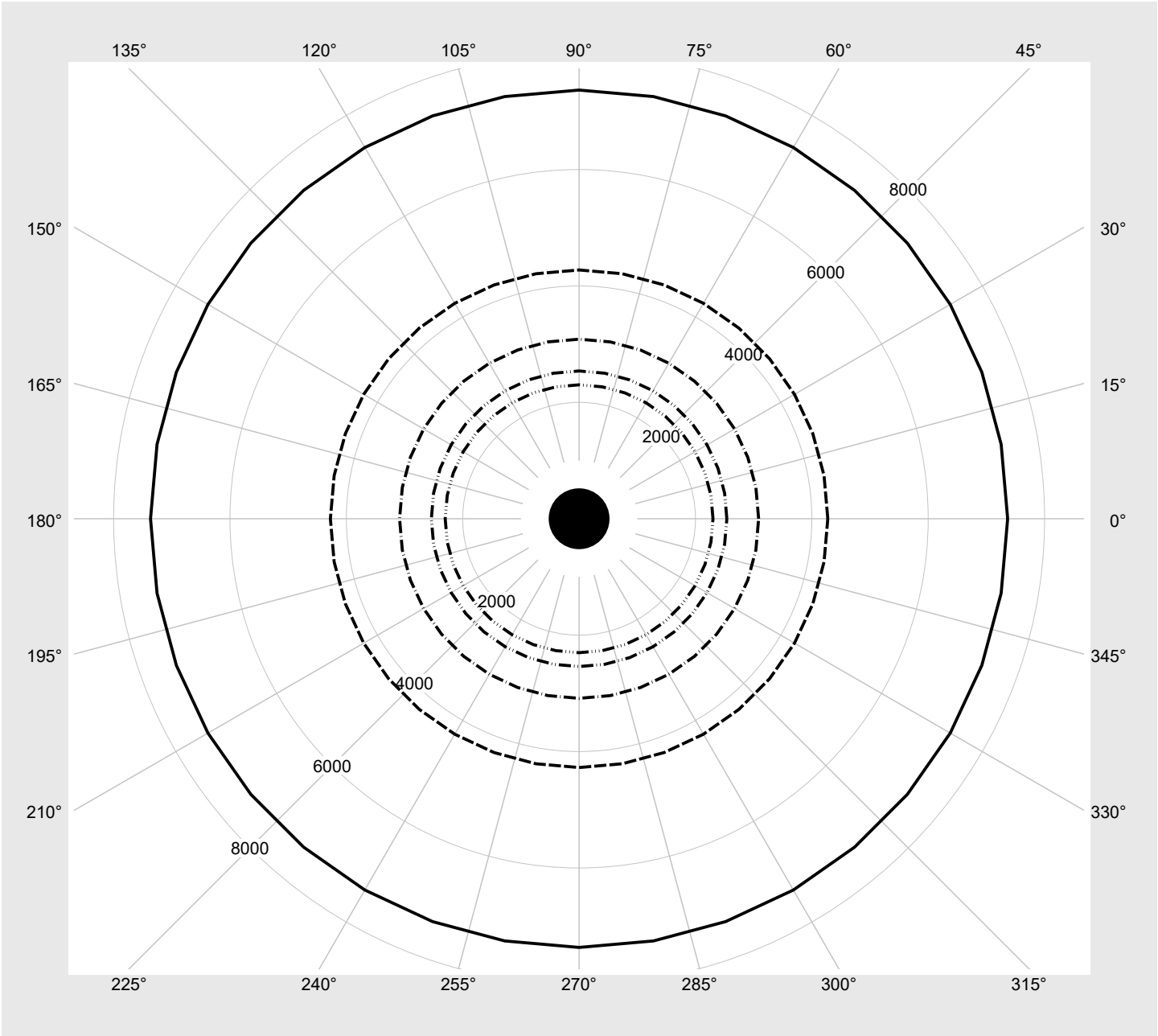
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19EC91C EAN: 4069025012951	LP number 59686_6
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	3720	25.5
11	ON	OFF	ON	ON	3440	23.5
10	ON	OFF	ON	OFF	3210	21.6
9	ON	OFF	OFF	ON	3010	20.1
8	ON	OFF	OFF	OFF	2820	18.8
7	OFF	ON	ON	ON	2480	16.5
6	OFF	ON	ON	OFF	2220	14.6
5	OFF	ON	OFF	ON	1980	12.9
4	OFF	ON	OFF	OFF	1710	11.1
3	OFF	OFF	ON	ON	1500	9.7
2	OFF	OFF	ON	OFF	1240	8.0
1	OFF	OFF	OFF	ON	950	6.1
0	OFF	OFF	OFF	OFF	680	4.4