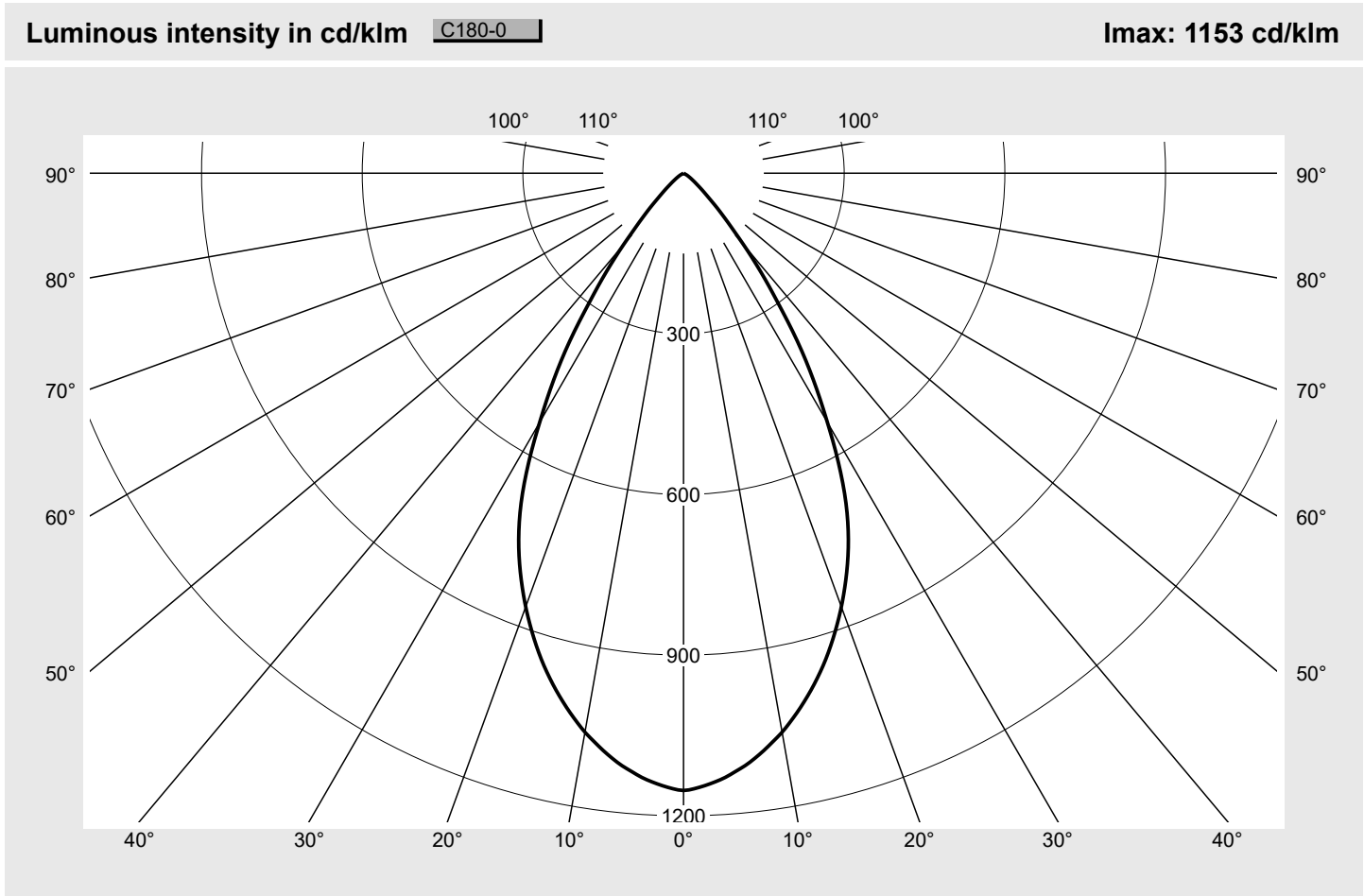


Photometric test report

Family Lunis 21	Order number: 51DB17ED91C EAN: 4069025013187	LP number 59679_6
	Version	recessed luminaire, Combined lens and reflector optics, reflector, black, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19 (L65≤1000cd/m²)
	Lamps	LED 6500 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=5, colour temperature 6500K
	Rated values	Net luminous flux = 1770 lm Power consumption = 12.2 W Luminous efficacy = 145.1 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=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: 51DB17ED91C EAN: 4069025013187	LP number 59679_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°	1152.7	0.3	0.3
1°	1149.6	2.2	2.5
2°	1144.3	4.4	6.9
3°	1138.0	6.5	13.4
4°	1130.6	8.6	22.0
5°	1121.1	10.7	32.8
6°	1111.6	12.7	45.5
7°	1100.1	14.7	60.2
8°	1087.4	16.6	76.8
9°	1073.7	18.4	95.2
10°	1060.0	20.2	115.4
11°	1044.0	21.8	137.2
12°	1027.3	23.4	160.7
13°	1009.8	24.9	185.6
14°	991.5	26.3	211.9
15°	972.2	27.6	239.5
16°	952.2	28.8	268.3
17°	930.8	29.8	298.1
18°	908.5	30.8	328.9
19°	885.4	31.6	360.5
20°	861.7	32.3	392.8
21°	836.8	32.9	425.7
22°	811.3	33.3	459.0
23°	784.8	33.6	492.7
24°	756.8	33.8	526.4
25°	726.6	33.7	560.1
26°	694.1	33.4	593.5
27°	658.0	32.8	626.2
28°	619.0	31.9	658.1
29°	578.6	30.8	688.8
30°	537.2	29.5	718.3
31°	498.6	28.2	746.5
32°	460.9	26.8	773.2
33°	423.0	25.3	798.5
34°	383.8	23.5	822.0
35°	342.3	21.5	843.6
36°	301.8	19.5	863.0
37°	267.7	17.7	880.7
38°	235.7	15.9	896.6
39°	204.6	14.1	910.7
40°	174.7	12.3	923.0
41°	146.5	10.5	933.6
42°	125.1	9.2	942.8
43°	106.6	8.0	950.7
44°	91.0	6.9	957.7
45°	75.3	5.8	963.5
46°	63.0	5.0	968.5

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	53.9	4.3	972.8
48°	46.1	3.8	976.5
49°	39.0	3.2	979.8
50°	33.0	2.8	982.5
51°	28.6	2.4	985.0
52°	24.6	2.1	987.1
53°	21.0	1.8	988.9
54°	18.3	1.6	990.6
55°	15.8	1.4	992.0
56°	13.5	1.2	993.2
57°	11.6	1.1	994.3
58°	9.8	0.9	995.2
59°	8.2	0.8	996.0
60°	6.6	0.6	996.6
61°	5.3	0.5	997.1
62°	4.1	0.4	997.5
63°	3.1	0.3	997.8
64°	2.2	0.2	998.0
65°	1.5	0.2	998.2
66°	1.1	0.1	998.3
67°	1.0	0.1	998.4
68°	0.9	0.1	998.5
69°	0.9	0.1	998.6
70°	0.9	0.1	998.7
71°	0.9	0.1	998.7
72°	0.8	0.1	998.8
73°	0.8	0.1	998.9
74°	0.8	0.1	999.0
75°	0.8	0.1	999.1
76°	0.7	0.1	999.2
77°	0.7	0.1	999.2
78°	0.7	0.1	999.3
79°	0.7	0.1	999.4
80°	0.7	0.1	999.5
81°	0.6	0.1	999.5
82°	0.6	0.1	999.6
83°	0.6	0.1	999.7
84°	0.6	0.1	999.7
85°	0.5	0.1	999.8
86°	0.5	0.1	999.8
87°	0.5	0.1	999.9
88°	0.5	0.1	999.9
89°	0.5	0.1	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB17ED91C EAN: 4069025013187							LP number 59679_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	17.7	18.8	18.0	19.1	19.5	17.7	18.8	18.0	19.1	19.5
	3H	17.5	18.5	17.9	18.9	19.2	17.5	18.5	17.9	18.9	19.2
	4H	17.4	18.4	17.8	18.7	19.1	17.4	18.4	17.8	18.7	19.1
	6H	17.4	18.2	17.8	18.6	19.0	17.4	18.2	17.8	18.6	19.0
	8H	17.5	18.1	17.9	18.5	18.9	17.5	18.1	17.9	18.5	18.9
	12H	17.4	18.0	17.9	18.4	18.9	17.4	18.0	17.9	18.4	18.9
4H	2H	17.5	18.4	17.8	18.7	19.1	17.5	18.4	17.8	18.7	19.1
	3H	17.3	18.0	17.7	18.4	18.9	17.3	18.0	17.7	18.4	18.9
	4H	17.2	17.9	17.6	18.3	18.7	17.2	17.9	17.6	18.3	18.7
	6H	17.1	17.7	17.6	18.1	18.6	17.1	17.7	17.6	18.1	18.6
	8H	17.1	17.6	17.5	18.0	18.5	17.1	17.6	17.5	18.0	18.5
	12H	17.1	17.5	17.6	17.9	18.4	17.1	17.5	17.6	17.9	18.4
8H	4H	17.0	17.6	17.5	18.0	18.5	17.0	17.6	17.5	18.0	18.5
	6H	16.9	17.4	17.4	17.8	18.3	16.9	17.4	17.4	17.8	18.3
	8H	16.9	17.2	17.4	17.7	18.3	16.9	17.2	17.4	17.7	18.3
	12H	16.9	17.1	17.4	17.6	18.2	16.9	17.1	17.4	17.6	18.2
12H	4H	17.1	17.4	17.5	17.9	18.4	17.1	17.4	17.5	17.9	18.4
	6H	16.9	17.2	17.4	17.7	18.3	16.9	17.2	17.4	17.7	18.3
	8H	16.9	17.1	17.4	17.6	18.2	16.9	17.1	17.4	17.6	18.2

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 135
C-planes	0°			
γ	Luminance in cd/m²			
45°	13167.7			
50°	6346.6			
55°	3407.4			
60°	1637.7			
65°	445.9			
70°	321.1			
75°	365.0			
80°	467.9			
85°	766.1			

Photometric test report

Family
Lunis 21

Order number: 51DB17ED91C
EAN: 4069025013187

LP number
59679_6

Luminance values in cd/m²

γ 65°

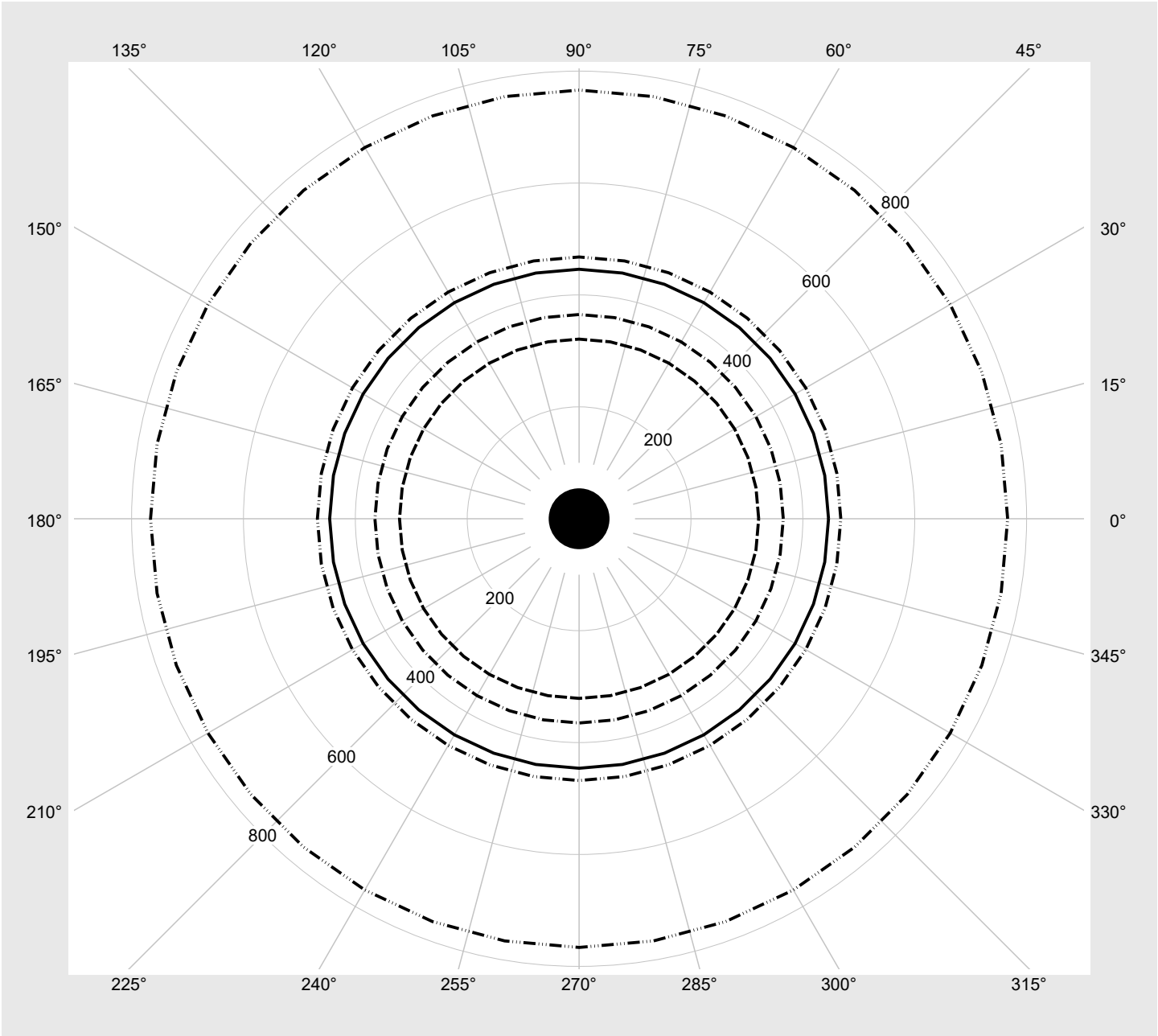
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB17ED91C EAN: 4069025013187	LP number 59679_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	3430	25.4
11	ON	OFF	ON	ON	3070	21.7
10	ON	OFF	ON	OFF	2880	20.3
9	ON	OFF	OFF	ON	2750	19.2
8	ON	OFF	OFF	OFF	2550	17.7
7	OFF	ON	ON	ON	2240	15.5
6	OFF	ON	ON	OFF	1990	13.7
5	OFF	ON	OFF	ON	1770	12.2
4	OFF	ON	OFF	OFF	1520	10.5
3	OFF	OFF	ON	ON	1420	9.7
2	OFF	OFF	ON	OFF	1180	8.0
1	OFF	OFF	OFF	ON	900	6.1
0	OFF	OFF	OFF	OFF	660	4.4