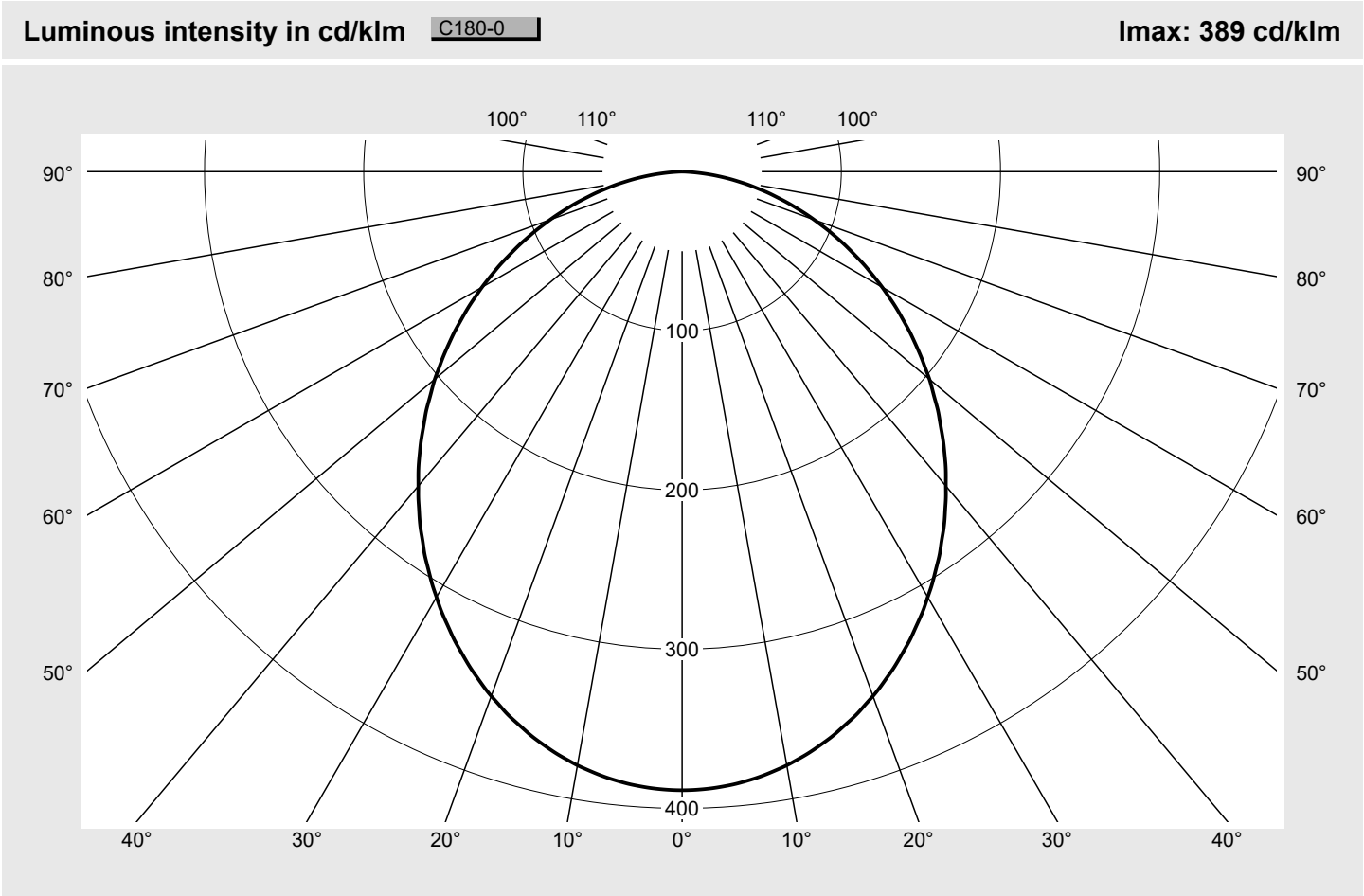


Photometric test report

Family Lunis 21 	Order number: 51DB16EC91C EAN: 4069025013316		LP number 59574_18
	Version	recessed luminaire, cover opal, PMMA, diffuse beam, adjustable color temperature: 3000K 4000K 6500K	serial documentation 02.10.2024
	Lamps Controlgear Setting Rated values	LED 4000 K CRI ≥ 80 ECG Multilumen factory setting: DIP-Step=4, colour temperature 4000K Net luminous flux = 1460 lm Power consumption = 11.1 W Luminous efficacy = 131.5 lm/W	siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 0	η_{LB}	100.0%
CIE	N1=50 N2=80 N3=96	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: 51DB16EC91C EAN: 4069025013316	LP number 59574_18
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°	388.6	0.1	0.1
1°	388.5	0.7	0.8
2°	388.2	1.5	2.3
3°	387.7	2.2	4.5
4°	387.0	3.0	7.5
5°	386.1	3.7	11.2
6°	385.0	4.4	15.6
7°	383.7	5.1	20.7
8°	382.2	5.8	26.6
9°	380.5	6.5	33.1
10°	378.7	7.2	40.3
11°	376.6	7.9	48.2
12°	374.4	8.5	56.7
13°	372.0	9.2	65.9
14°	369.4	9.8	75.7
15°	366.7	10.4	86.1
16°	363.6	11.0	97.1
17°	360.6	11.6	108.7
18°	357.5	12.1	120.8
19°	353.9	12.6	133.4
20°	350.6	13.1	146.6
21°	347.0	13.6	160.2
22°	343.1	14.1	174.3
23°	339.3	14.5	188.8
24°	335.2	14.9	203.8
25°	331.0	15.3	219.1
26°	326.9	15.7	234.8
27°	322.3	16.0	250.9
28°	317.9	16.4	267.2
29°	313.5	16.7	283.9
30°	308.6	16.9	300.8
31°	304.0	17.2	318.0
32°	299.1	17.4	335.4
33°	294.2	17.6	353.0
34°	289.4	17.7	370.7
35°	284.0	17.9	388.6
36°	279.1	18.0	406.6
37°	274.0	18.1	424.6
38°	268.5	18.1	442.8
39°	263.3	18.2	460.9
40°	257.8	18.2	479.1
41°	252.6	18.2	497.3
42°	247.3	18.1	515.4
43°	241.7	18.1	533.5
44°	236.3	18.0	551.5
45°	230.5	17.9	569.4
46°	225.0	17.7	587.1

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	219.7	17.6	604.8
48°	213.7	17.4	622.2
49°	208.2	17.2	639.4
50°	202.8	17.0	656.4
51°	196.8	16.8	673.2
52°	191.2	16.5	689.7
53°	185.4	16.2	706.0
54°	179.7	15.9	721.9
55°	174.1	15.6	737.5
56°	168.1	15.3	752.8
57°	162.4	14.9	767.8
58°	156.7	14.6	782.3
59°	150.8	14.2	796.5
60°	145.1	13.8	810.3
61°	139.2	13.4	823.7
62°	133.5	12.9	836.6
63°	127.9	12.5	849.1
64°	121.9	12.0	861.1
65°	116.3	11.6	872.6
66°	110.7	11.1	883.7
67°	104.9	10.6	894.3
68°	99.4	10.1	904.4
69°	93.7	9.6	914.0
70°	88.2	9.1	923.1
71°	82.8	8.6	931.7
72°	77.2	8.1	939.8
73°	72.1	7.6	947.3
74°	66.7	7.0	954.3
75°	61.3	6.5	960.8
76°	56.5	6.0	966.8
77°	51.1	5.5	972.3
78°	46.1	4.9	977.3
79°	41.4	4.5	981.7
80°	36.4	3.9	985.6
81°	31.8	3.4	989.1
82°	27.0	2.9	992.0
83°	22.3	2.4	994.4
84°	17.9	2.0	996.4
85°	13.4	1.5	997.9
86°	9.3	1.0	998.9
87°	5.5	0.6	999.5
88°	2.7	0.3	999.8
89°	1.6	0.2	1000.0
90°	0.9	0.1	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB16EC91C EAN: 4069025013316							LP number 59574_18	
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	27.5	29.2	27.8	29.5	29.8	27.5	29.2	27.8	29.5	29.8
	3H	29.0	30.5	29.4	30.9	31.2	29.0	30.5	29.4	30.9	31.2
	4H	29.6	31.0	30.0	31.4	31.8	29.6	31.0	30.0	31.4	31.8
	6H	30.1	31.4	30.5	31.8	32.1	30.1	31.4	30.5	31.8	32.1
	8H	30.3	31.5	30.7	31.9	32.3	30.3	31.5	30.7	31.9	32.3
	12H	30.4	31.5	30.8	31.9	32.3	30.4	31.5	30.8	31.9	32.3
4H	2H	28.2	29.6	28.6	30.0	30.3	28.2	29.6	28.6	30.0	30.3
	3H	29.9	31.1	30.3	31.5	31.9	29.9	31.1	30.3	31.5	31.9
	4H	30.7	31.7	31.1	32.1	32.6	30.7	31.7	31.1	32.1	32.6
	6H	31.2	32.2	31.7	32.6	33.0	31.2	32.2	31.7	32.6	33.0
	8H	31.4	32.3	31.9	32.7	33.2	31.4	32.3	31.9	32.7	33.2
	12H	31.6	32.3	32.0	32.8	33.3	31.6	32.3	32.0	32.8	33.3
8H	4H	31.0	31.8	31.4	32.3	32.8	31.0	31.8	31.4	32.3	32.8
	6H	31.7	32.4	32.2	32.8	33.3	31.7	32.4	32.2	32.8	33.3
	8H	31.9	32.6	32.4	33.0	33.6	31.9	32.6	32.4	33.0	33.6
	12H	32.1	32.6	32.6	33.1	33.7	32.1	32.6	32.6	33.1	33.7
12H	4H	31.0	31.8	31.5	32.2	32.7	31.0	31.8	31.5	32.2	32.7
	6H	31.8	32.4	32.3	32.8	33.4	31.8	32.4	32.3	32.8	33.4
	8H	32.0	32.6	32.5	33.1	33.6	32.0	32.6	32.5	33.1	33.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes	0°			
γ	Luminance in cd/m²			
45°	85886.0			
50°	83128.5			
55°	79947.9			
60°	76476.9			
65°	72474.1			
70°	67941.6			
75°	62398.7			
80°	55159.7			
85°	40441.9			

Photometric test report

Family
Lunis 21

Order number: 51DB16EC91C
EAN: 4069025013316

LP number
59574_18

Luminance values in cd/m²

γ 65°

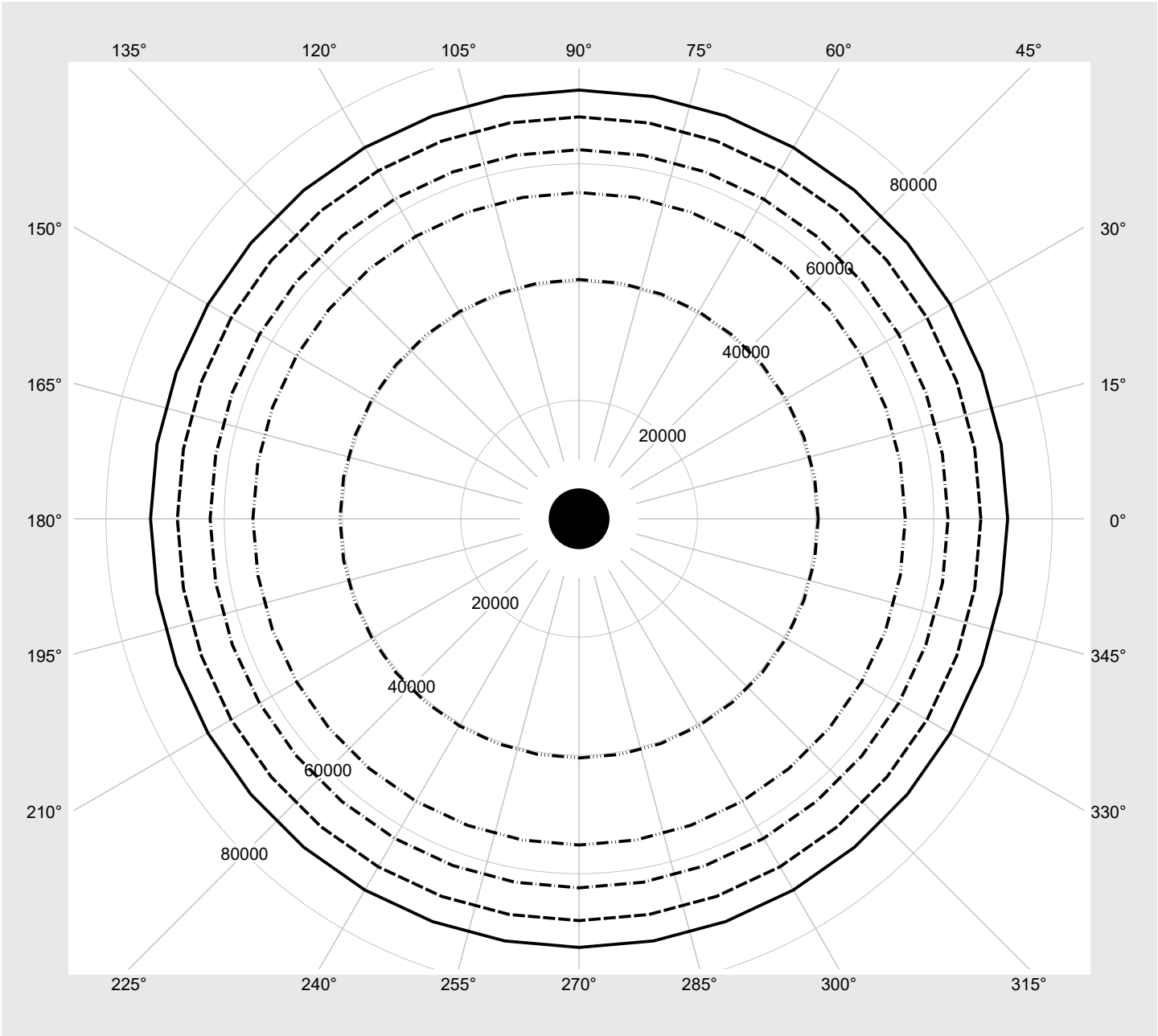
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family
Lunis 21

Order number: 51DB16EC91C
EAN: 4069025013316

LP number
59574_18

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	3170	25.5
11	ON	OFF	ON	ON	2940	23.5
10	ON	OFF	ON	OFF	2740	21.6
9	ON	OFF	OFF	ON	2580	20.1
8	ON	OFF	OFF	OFF	2410	18.8
7	OFF	ON	ON	ON	2120	16.5
6	OFF	ON	ON	OFF	1900	14.6
5	OFF	ON	OFF	ON	1690	12.9
4	OFF	ON	OFF	OFF	1460	11.1
3	OFF	OFF	ON	ON	1280	9.7
2	OFF	OFF	ON	OFF	1060	8.0
1	OFF	OFF	OFF	ON	810	6.1
0	OFF	OFF	OFF	OFF	590	4.4