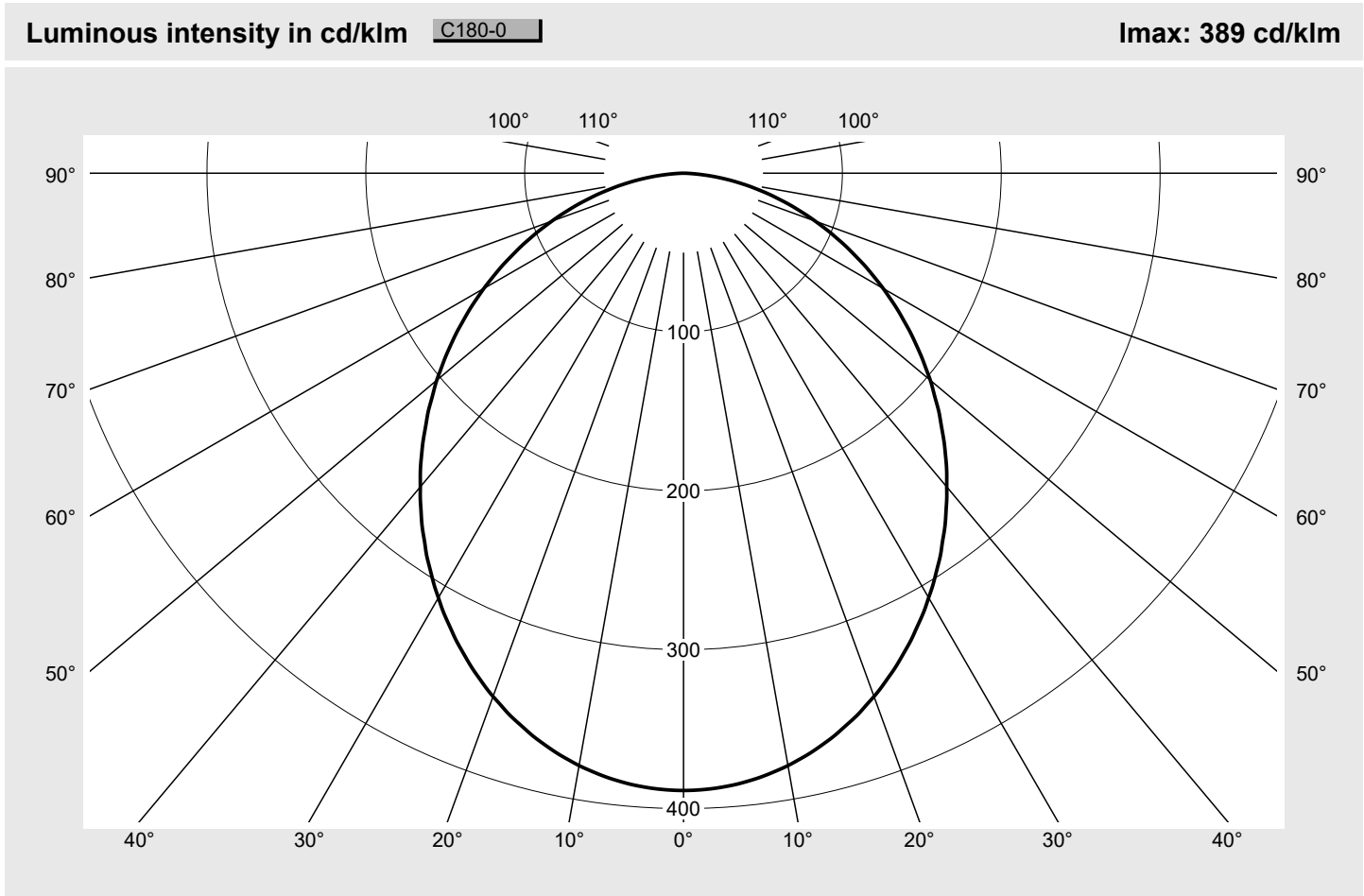


Photometric test report

Family Lunis 21	Order number: 51DB16MF91C EAN: 4069025013255	LP number 59574_40
	Version	recessed luminaire, cover opal, PMMA, diffuse beam, adjustable color temperature: 3000K 4000K 6500K
	Lamps	LED 6500 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=2, colour temperature 6500K
	Rated values	Net luminous flux = 2000 lm Power consumption = 13.6 W Luminous efficacy = 147.1 lm/W
		serial documentation 27.09.2024
		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: 51DB16MF91C EAN: 4069025013255	LP number 59574_40
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: 51DB16MF91C EAN: 4069025013255							LP number 59574_40	
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	23.2	24.9	23.6	25.2	25.5	23.2	24.9	23.6	25.2	25.5
	3H	24.7	26.2	25.1	26.6	26.9	24.7	26.2	25.1	26.6	26.9
	4H	25.3	26.8	25.7	27.1	27.5	25.3	26.8	25.7	27.1	27.5
	6H	25.8	27.1	26.2	27.5	27.9	25.8	27.1	26.2	27.5	27.9
	8H	26.0	27.2	26.4	27.6	28.0	26.0	27.2	26.4	27.6	28.0
	12H	26.1	27.2	26.5	27.6	28.0	26.1	27.2	26.5	27.6	28.0
4H	2H	23.9	25.4	24.3	25.7	26.1	23.9	25.4	24.3	25.7	26.1
	3H	25.6	26.8	26.1	27.2	27.6	25.6	26.8	26.1	27.2	27.6
	4H	26.4	27.5	26.8	27.9	28.3	26.4	27.5	26.8	27.9	28.3
	6H	26.9	27.9	27.4	28.3	28.8	26.9	27.9	27.4	28.3	28.8
	8H	27.1	28.0	27.6	28.4	28.9	27.1	28.0	27.6	28.4	28.9
	12H	27.3	28.0	27.8	28.5	29.0	27.3	28.0	27.8	28.5	29.0
8H	4H	26.7	27.6	27.2	28.0	28.5	26.7	27.6	27.2	28.0	28.5
	6H	27.4	28.1	27.9	28.6	29.1	27.4	28.1	27.9	28.6	29.1
	8H	27.6	28.3	28.1	28.8	29.3	27.6	28.3	28.1	28.8	29.3
	12H	27.8	28.4	28.3	28.9	29.4	27.8	28.4	28.3	28.9	29.4
12H	4H	26.8	27.5	27.2	28.0	28.5	26.8	27.5	27.2	28.0	28.5
	6H	27.5	28.1	28.0	28.6	29.1	27.5	28.1	28.0	28.6	29.1
	8H	27.8	28.3	28.3	28.8	29.3	27.8	28.3	28.3	28.8	29.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 182
C-planes	0°			
γ	Luminance in cd/m²			
45°	25062.0			
50°	24257.3			
55°	23329.2			
60°	22316.4			
65°	21148.3			
70°	19825.7			
75°	18208.3			
80°	16095.9			
85°	11801.2			

Photometric test report

Family
Lunis 21

Order number: 51DB16MF91C
EAN: 4069025013255

LP number
59574_40

Luminance values in cd/m²

γ 65°

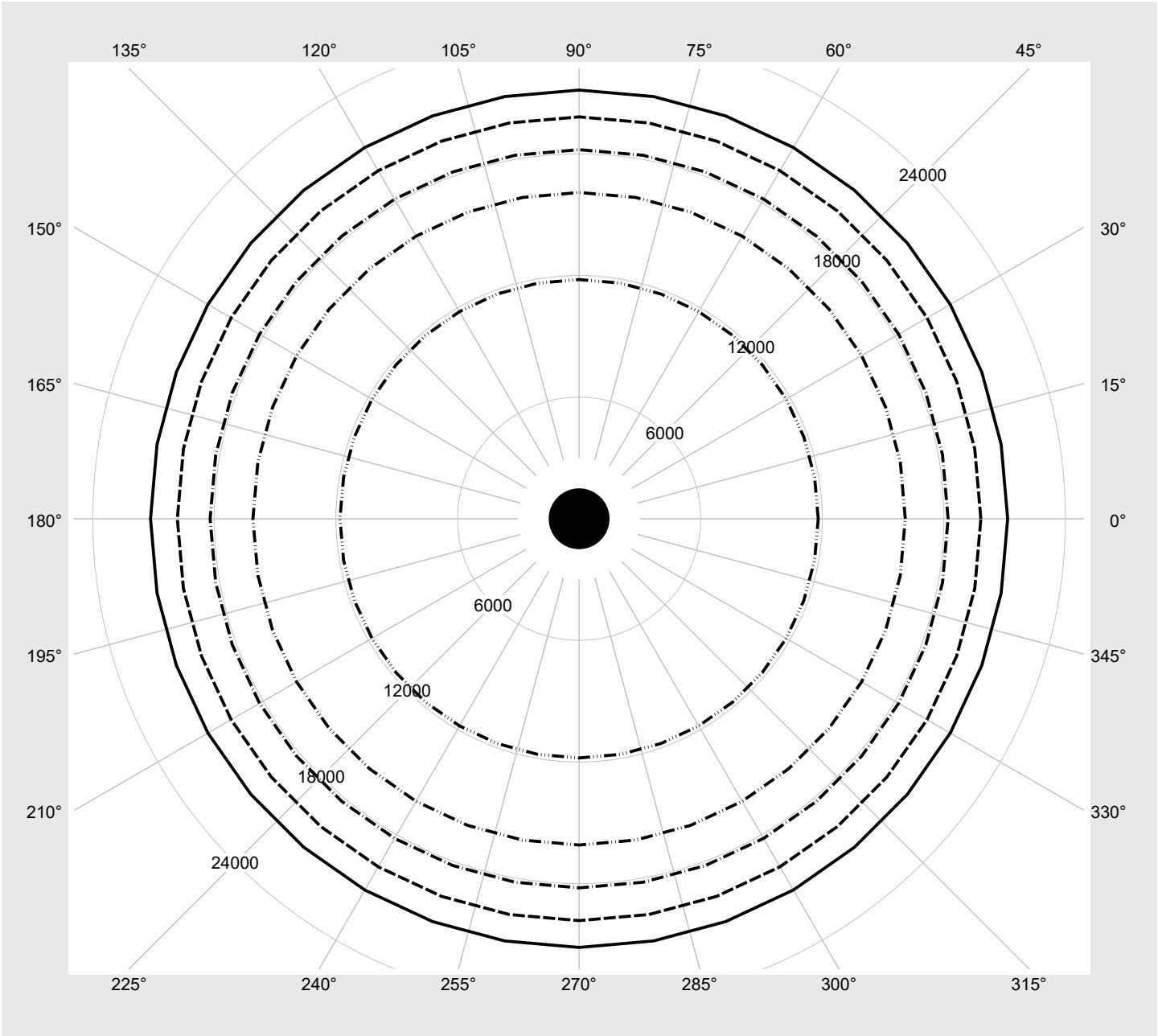
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB16MF91C EAN: 4069025013255	LP number 59574_40
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
7	OFF	ON	ON	ON	3010	21.7
6	OFF	ON	ON	OFF	2870	20.6
5	OFF	ON	OFF	ON	2710	19.1
4	OFF	ON	OFF	OFF	2560	17.7
3	OFF	OFF	ON	ON	2240	15.3
2	OFF	OFF	ON	OFF	2000	13.6
1	OFF	OFF	OFF	ON	1780	12.1
0	OFF	OFF	OFF	OFF	1540	10.4