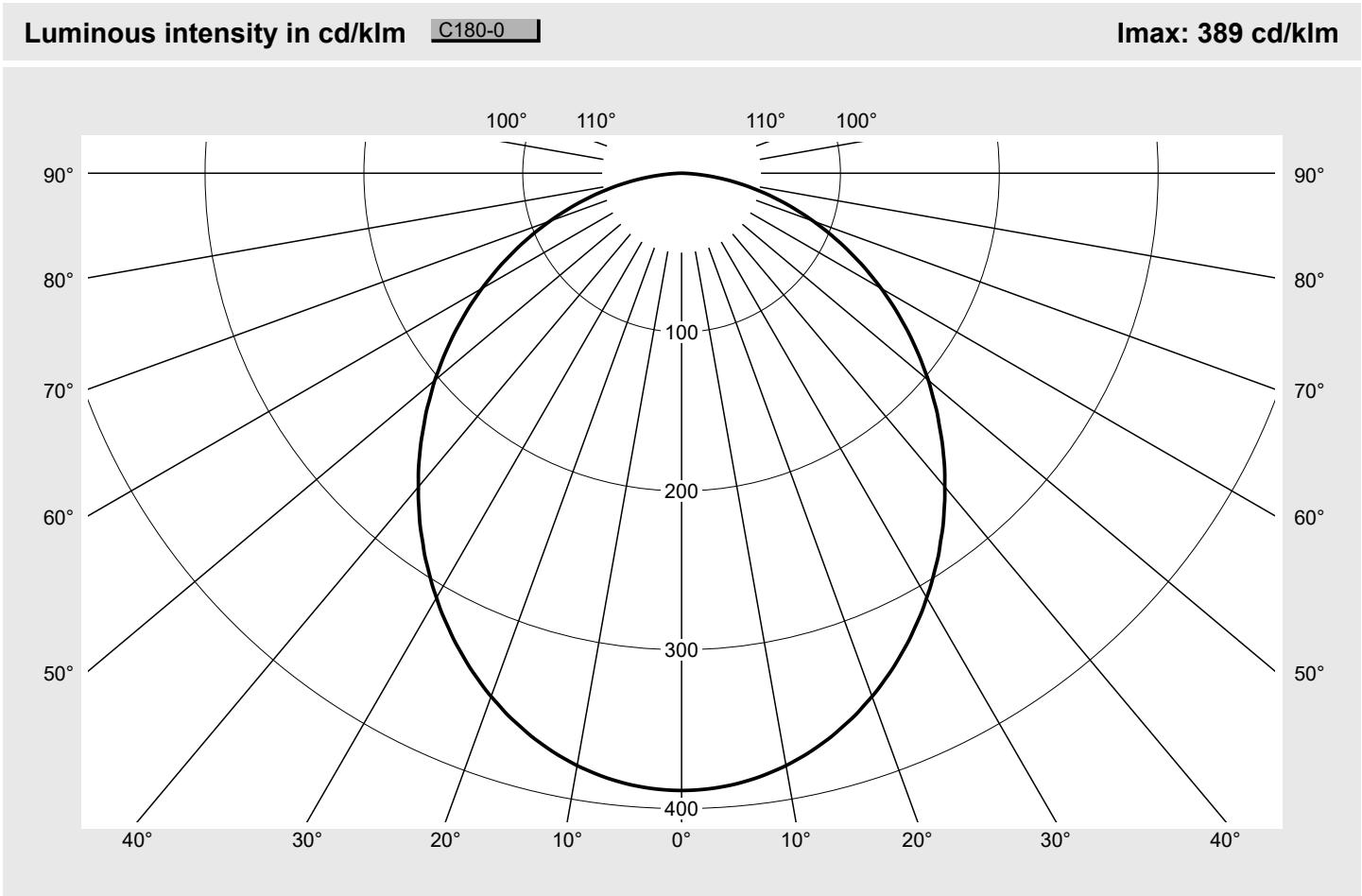


Photometric test report

Family Lunis 21	Order number: 51DB16MD91C EAN: 4069025013262	LP number 59574_33	
	Version	recessed luminaire, cover opal, PMMA, diffuse beam, adjustable color temperature: 3000K 4000K 6500K	serial
	Lamps	LED 4000 K CRI ≥ 80	documentation
	Controlgear	ECG Multilumen	27.09.2024
	Setting	factory setting: DIP-Step=1, colour temperature 4000K	
	Rated values	Net luminous flux = 1750 lm Power consumption = 12.2 W Luminous efficacy = 143.4 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: 51DB16MD91C EAN: 4069025013262	LP number 59574_33
Table of values for luminous intensities		Maximum luminous intensity

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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: 51DB16MD91C EAN: 4069025013262							LP number 59574_33	
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	24.8	26.5	25.2	26.8	27.1	24.8	26.5	25.2	26.8	27.1
	3H	26.3	27.8	26.7	28.2	28.5	26.3	27.8	26.7	28.2	28.5
	4H	27.0	28.4	27.4	28.7	29.1	27.0	28.4	27.4	28.7	29.1
	6H	27.4	28.7	27.8	29.1	29.5	27.4	28.7	27.8	29.1	29.5
	8H	27.6	28.8	28.0	29.2	29.6	27.6	28.8	28.0	29.2	29.6
	12H	27.7	28.8	28.1	29.2	29.6	27.7	28.8	28.1	29.2	29.6
4H	2H	25.6	27.0	25.9	27.3	27.7	25.6	27.0	25.9	27.3	27.7
	3H	27.3	28.5	27.7	28.8	29.2	27.3	28.5	27.7	28.8	29.2
	4H	28.0	29.1	28.4	29.5	29.9	28.0	29.1	28.4	29.5	29.9
	6H	28.6	29.5	29.0	29.9	30.4	28.6	29.5	29.0	29.9	30.4
	8H	28.8	29.6	29.2	30.1	30.5	28.8	29.6	29.2	30.1	30.5
	12H	28.9	29.6	29.4	30.1	30.6	28.9	29.6	29.4	30.1	30.6
8H	4H	28.3	29.2	28.8	29.6	30.1	28.3	29.2	28.8	29.6	30.1
	6H	29.0	29.7	29.5	30.2	30.7	29.0	29.7	29.5	30.2	30.7
	8H	29.3	29.9	29.8	30.4	30.9	29.3	29.9	29.8	30.4	30.9
	12H	29.4	30.0	29.9	30.5	31.0	29.4	30.0	29.9	30.5	31.0
12H	4H	28.4	29.1	28.8	29.6	30.1	28.4	29.1	28.8	29.6	30.1
	6H	29.1	29.7	29.6	30.2	30.7	29.1	29.7	29.6	30.2	30.7
	8H	29.4	29.9	29.9	30.4	30.9	29.4	29.9	29.9	30.4	30.9

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 135
C-planes	0°			
γ	Luminance in cd/m²			
45°	39856.4			
50°	38576.8			
55°	37100.8			
60°	35490.1			
65°	33632.5			
70°	31529.2			
75°	28956.9			
80°	25597.6			
85°	18767.6			

Photometric test report

Family
Lunis 21

Order number: 51DB16MD91C
EAN: 4069025013262

LP number
59574_33

Luminance values in cd/m²

γ 65°

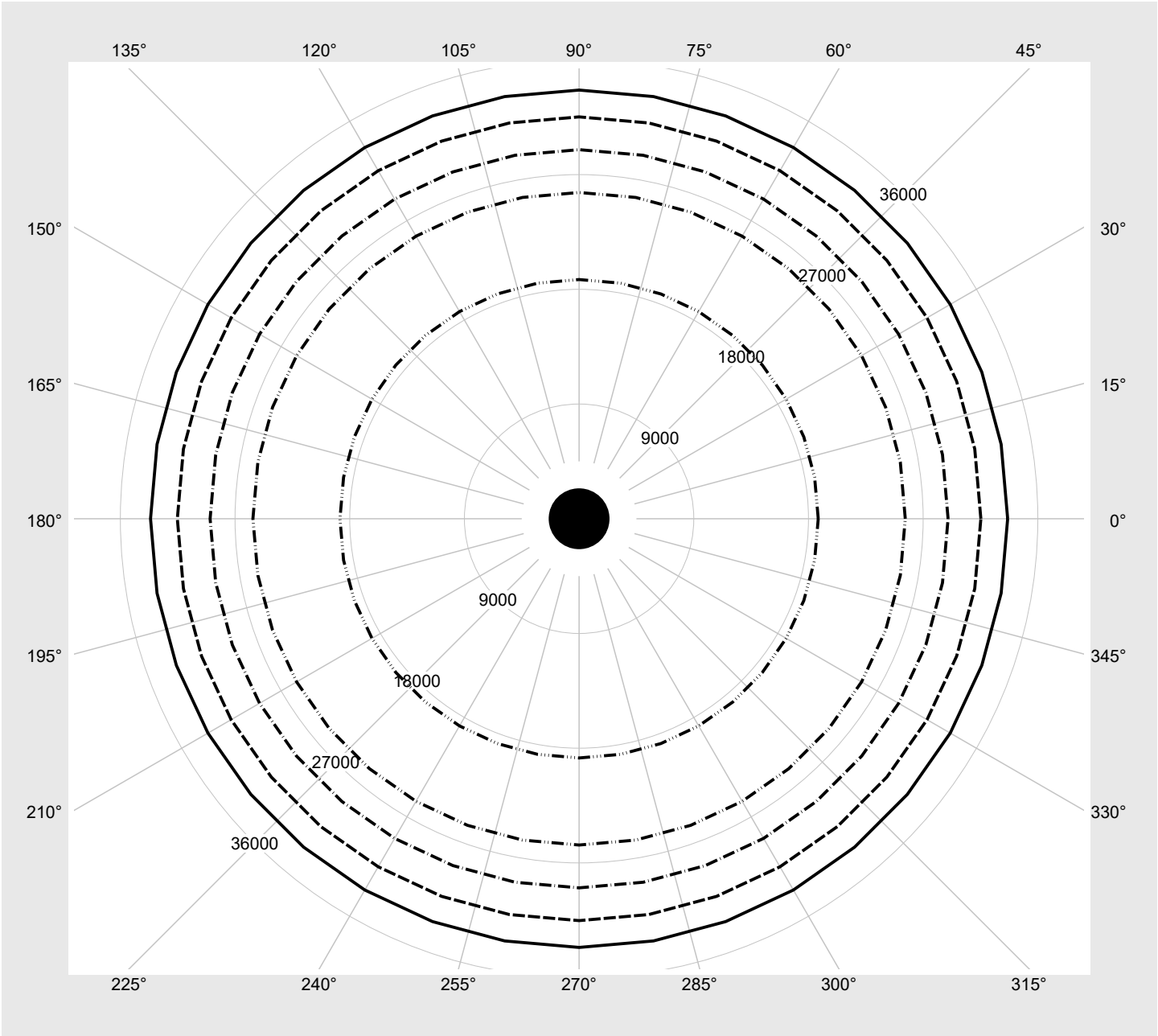
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB16MD91C EAN: 4069025013262	LP number 59574_33
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	3050	21.7
6	OFF	ON	ON	OFF	2850	20.3
5	OFF	ON	OFF	ON	2720	19.2
4	OFF	ON	OFF	OFF	2520	17.7
3	OFF	OFF	ON	ON	2210	15.5
2	OFF	OFF	ON	OFF	1970	13.8
1	OFF	OFF	OFF	ON	1750	12.2
0	OFF	OFF	OFF	OFF	1500	10.5