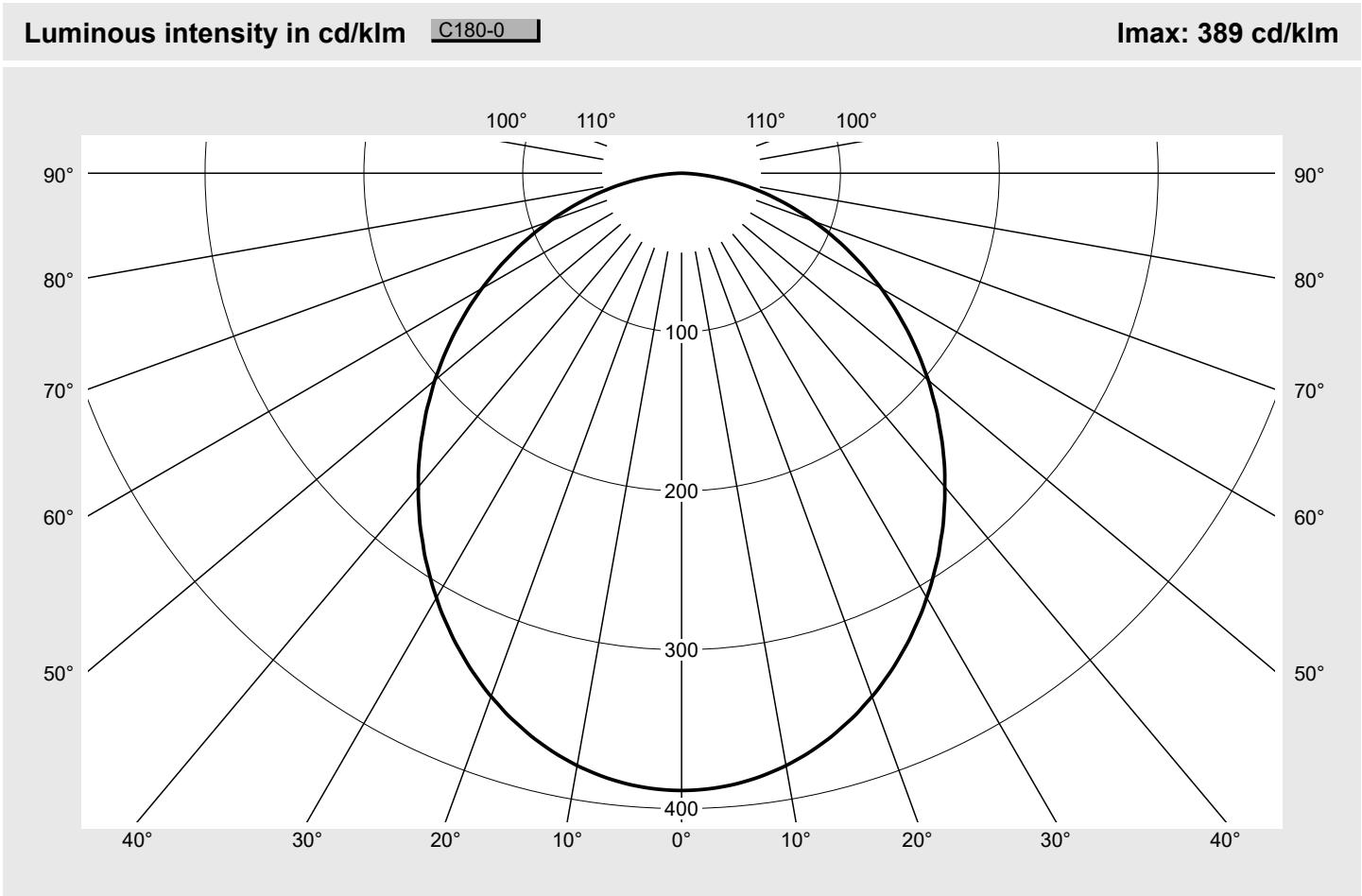


Photometric test report

Family Lunis 21 	Order number: 51DB16MC91C EAN: 4069025013279		LP number 59574_15
	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 = 1490 lm Power consumption = 10.6 W Luminous efficacy = 140.6 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: 51DB16MC91C EAN: 4069025013279	LP number 59574_15
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: 51DB16MC91C EAN: 4069025013279							LP number 59574_15	
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	27.6	29.2	27.9	29.5	29.9	27.6	29.2	27.9	29.5	29.9
	3H	29.1	30.6	29.5	30.9	31.3	29.1	30.6	29.5	30.9	31.3
	4H	29.7	31.1	30.1	31.5	31.8	29.7	31.1	30.1	31.5	31.8
	6H	30.2	31.5	30.6	31.8	32.2	30.2	31.5	30.6	31.8	32.2
	8H	30.3	31.5	30.8	31.9	32.3	30.3	31.5	30.8	31.9	32.3
	12H	30.4	31.6	30.9	32.0	32.4	30.4	31.6	30.9	32.0	32.4
4H	2H	28.3	29.7	28.7	30.1	30.4	28.3	29.7	28.7	30.1	30.4
	3H	30.0	31.2	30.4	31.6	32.0	30.0	31.2	30.4	31.6	32.0
	4H	30.7	31.8	31.2	32.2	32.6	30.7	31.8	31.2	32.2	32.6
	6H	31.3	32.2	31.7	32.7	33.1	31.3	32.2	31.7	32.7	33.1
	8H	31.5	32.4	32.0	32.8	33.3	31.5	32.4	32.0	32.8	33.3
	12H	31.6	32.4	32.1	32.8	33.3	31.6	32.4	32.1	32.8	33.3
8H	4H	31.1	31.9	31.5	32.4	32.8	31.1	31.9	31.5	32.4	32.8
	6H	31.7	32.5	32.2	32.9	33.4	31.7	32.5	32.2	32.9	33.4
	8H	32.0	32.6	32.5	33.1	33.6	32.0	32.6	32.5	33.1	33.6
	12H	32.2	32.7	32.7	33.2	33.7	32.2	32.7	32.7	33.2	33.7
12H	4H	31.1	31.9	31.6	32.3	32.8	31.1	31.9	31.6	32.3	32.8
	6H	31.8	32.4	32.3	32.9	33.4	31.8	32.4	32.3	32.9	33.4
	8H	32.1	32.6	32.6	33.1	33.7	32.1	32.6	32.6	33.1	33.7

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	87650.8			
50°	84836.6			
55°	81590.7			
60°	78048.4			
65°	73963.3			
70°	69337.7			
75°	63680.9			
80°	56293.2			
85°	41272.9			

Photometric test report

Family
Lunis 21

Order number: 51DB16MC91C
EAN: 4069025013279

LP number
59574_15

Luminance values in cd/m²

γ 65°

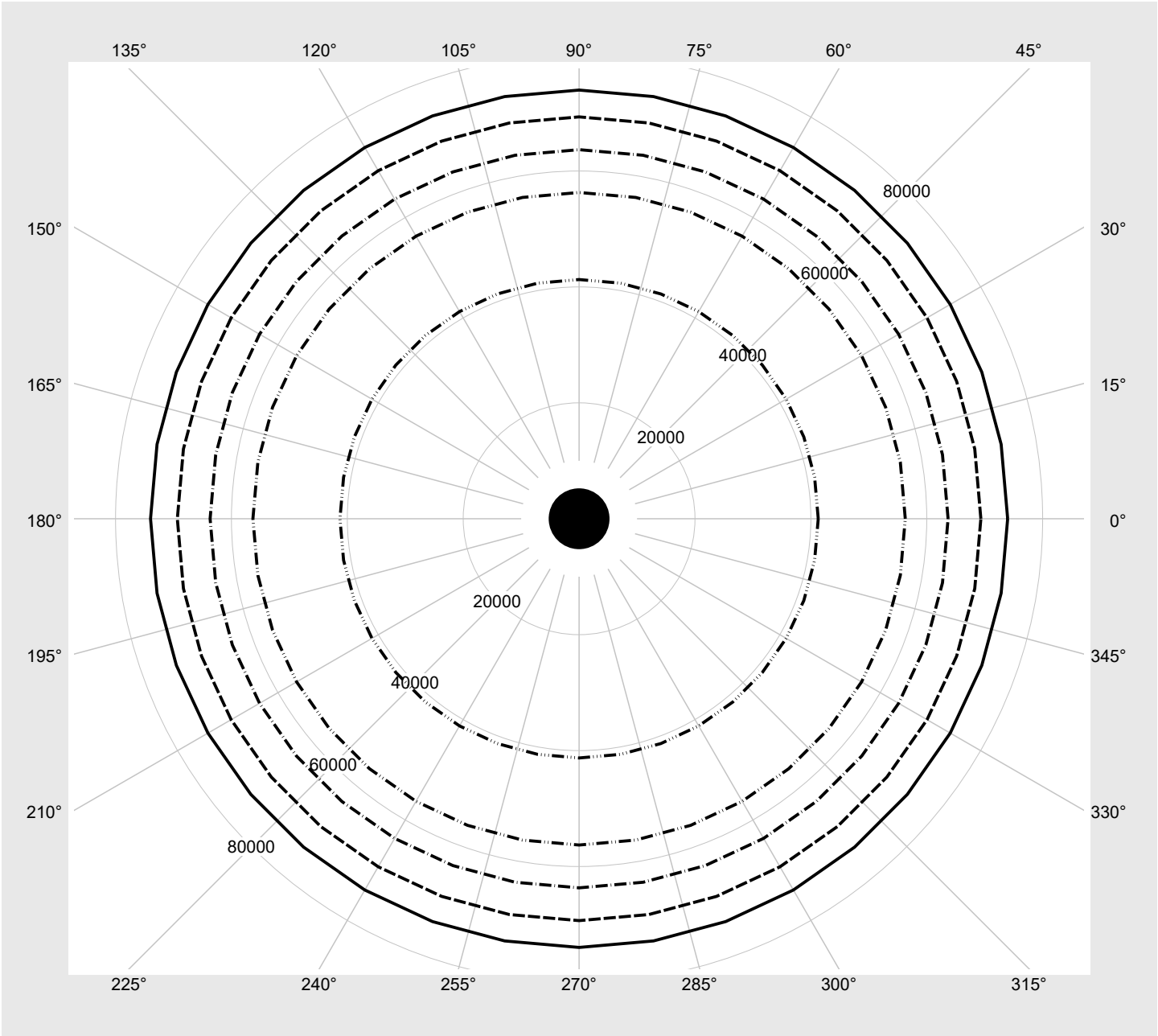
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family
Lunis 21

Order number: 51DB16MC91C
EAN: 4069025013279

LP number
59574_15

Multilumen Table

environmental temperature: 25°C

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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
12	ON	ON	OFF	OFF	3310	25.5
11	ON	OFF	ON	ON	3020	22.1
10	ON	OFF	ON	OFF	2830	20.6
9	ON	OFF	OFF	ON	2690	19.5
8	ON	OFF	OFF	OFF	2490	18.0
7	OFF	ON	ON	ON	2190	15.7
6	OFF	ON	ON	OFF	1960	13.9
5	OFF	ON	OFF	ON	1750	12.4
4	OFF	ON	OFF	OFF	1490	10.6
3	OFF	OFF	ON	ON	1390	9.7
2	OFF	OFF	ON	OFF	1150	8.0
1	OFF	OFF	OFF	ON	870	6.1
0	OFF	OFF	OFF	OFF	630	4.4