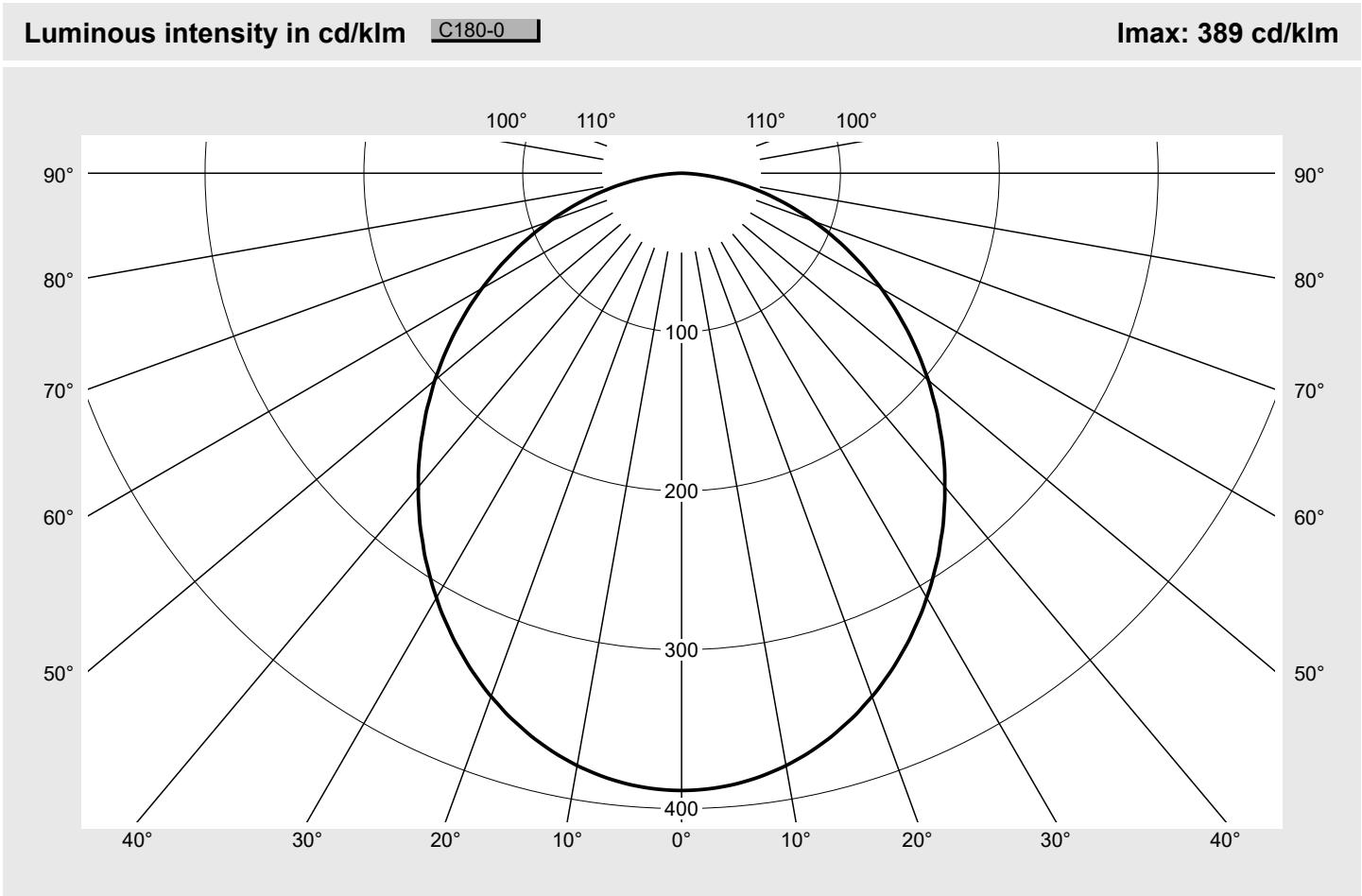


Photometric test report

Family Lunis 21 	Order number: 51DB16MF91C EAN: 4069025013255		LP number 59574_38
	Version	recessed luminaire, cover opal, PMMA, diffuse beam, adjustable color temperature: 3000K 4000K 6500K	serial documentation 27.09.2024
	Lamps Controlgear Setting Rated values	LED 3000 K CRI ≥ 80 ECG Multilumen individual position: DIP-Step=2, colour temperature 3000K Net luminous flux = 1940 lm Power consumption = 13.6 W Luminous efficacy = 142.7 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: 51DB16MF91C EAN: 4069025013255	LP number 59574_38
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: 51DB16MF91C EAN: 4069025013255							LP number 59574_38	
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	23.1	24.8	23.5	25.1	25.4	23.1	24.8	23.5	25.1	25.4
	3H	24.6	26.1	25.0	26.5	26.8	24.6	26.1	25.0	26.5	26.8
	4H	25.2	26.7	25.6	27.0	27.4	25.2	26.7	25.6	27.0	27.4
	6H	25.7	27.0	26.1	27.4	27.8	25.7	27.0	26.1	27.4	27.8
	8H	25.9	27.1	26.3	27.5	27.9	25.9	27.1	26.3	27.5	27.9
	12H	26.0	27.1	26.4	27.5	27.9	26.0	27.1	26.4	27.5	27.9
4H	2H	23.8	25.2	24.2	25.6	26.0	23.8	25.2	24.2	25.6	26.0
	3H	25.5	26.7	26.0	27.1	27.5	25.5	26.7	26.0	27.1	27.5
	4H	26.3	27.4	26.7	27.8	28.2	26.3	27.4	26.7	27.8	28.2
	6H	26.8	27.8	27.3	28.2	28.7	26.8	27.8	27.3	28.2	28.7
	8H	27.0	27.9	27.5	28.3	28.8	27.0	27.9	27.5	28.3	28.8
	12H	27.2	27.9	27.7	28.4	28.9	27.2	27.9	27.7	28.4	28.9
8H	4H	26.6	27.5	27.1	27.9	28.4	26.6	27.5	27.1	27.9	28.4
	6H	27.3	28.0	27.8	28.5	29.0	27.3	28.0	27.8	28.5	29.0
	8H	27.5	28.2	28.0	28.7	29.2	27.5	28.2	28.0	28.7	29.2
	12H	27.7	28.2	28.2	28.7	29.3	27.7	28.2	28.2	28.7	29.3
12H	4H	26.6	27.4	27.1	27.9	28.4	26.6	27.4	27.1	27.9	28.4
	6H	27.4	28.0	27.9	28.5	29.0	27.4	28.0	27.9	28.5	29.0
	8H	27.7	28.2	28.2	28.7	29.2	27.7	28.2	28.2	28.7	29.2

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 182
C-planes	0°			
γ	Luminance in cd/m²			
45°	24310.1			
50°	23529.6			
55°	22629.3			
60°	21646.9			
65°	20513.9			
70°	19231.0			
75°	17662.0			
80°	15613.0			
85°	11447.1			

Photometric test report

Family
Lunis 21

Order number: 51DB16MF91C
EAN: 4069025013255

LP number
59574_38

Luminance values in cd/m²

γ 65°

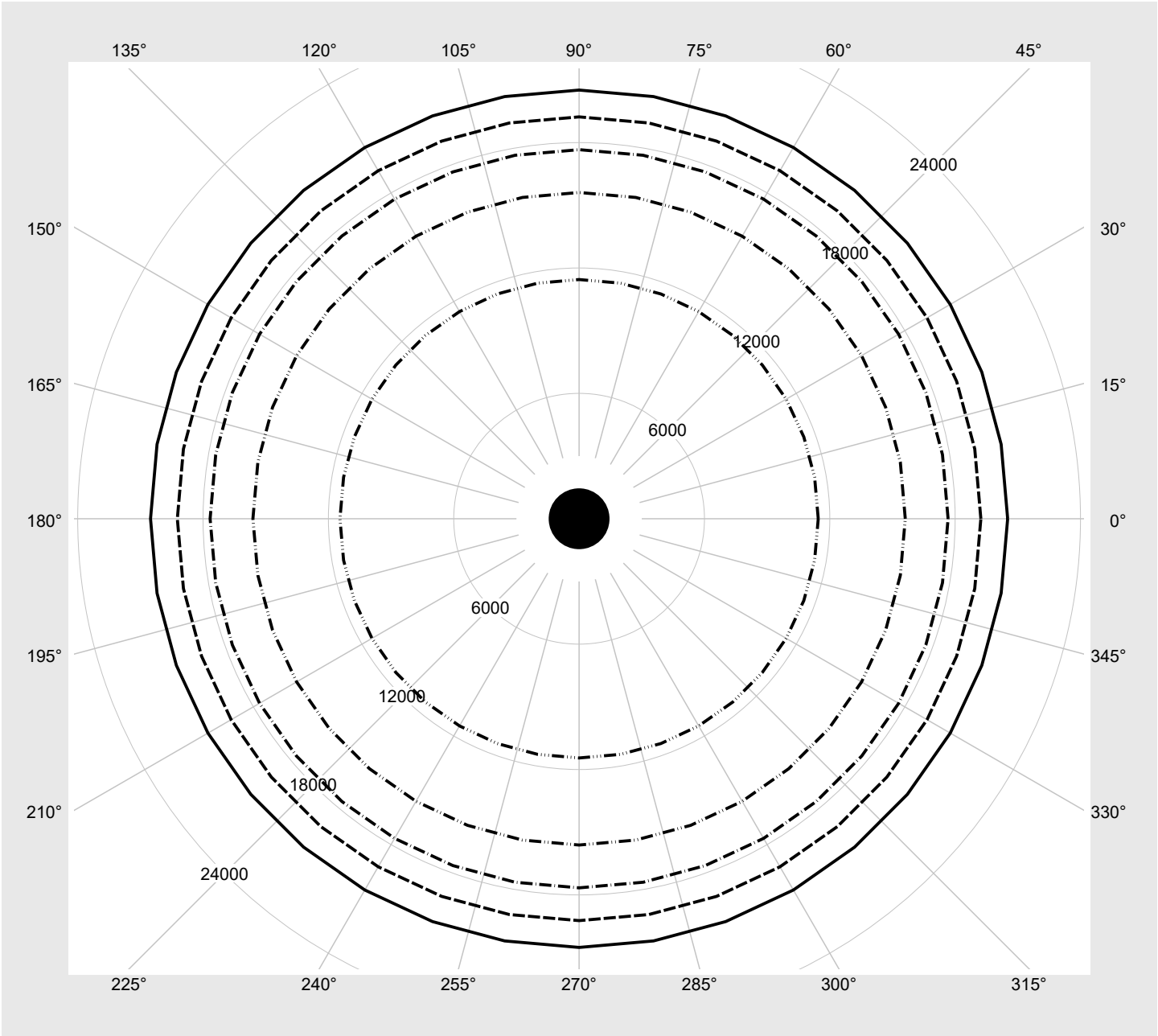
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB16MF91C EAN: 4069025013255	LP number 59574_38
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	2920	21.7
6	OFF	ON	ON	OFF	2780	20.6
5	OFF	ON	OFF	ON	2630	19.1
4	OFF	ON	OFF	OFF	2480	17.7
3	OFF	OFF	ON	ON	2170	15.3
2	OFF	OFF	ON	OFF	1940	13.6
1	OFF	OFF	OFF	ON	1730	12.1
0	OFF	OFF	OFF	OFF	1490	10.4