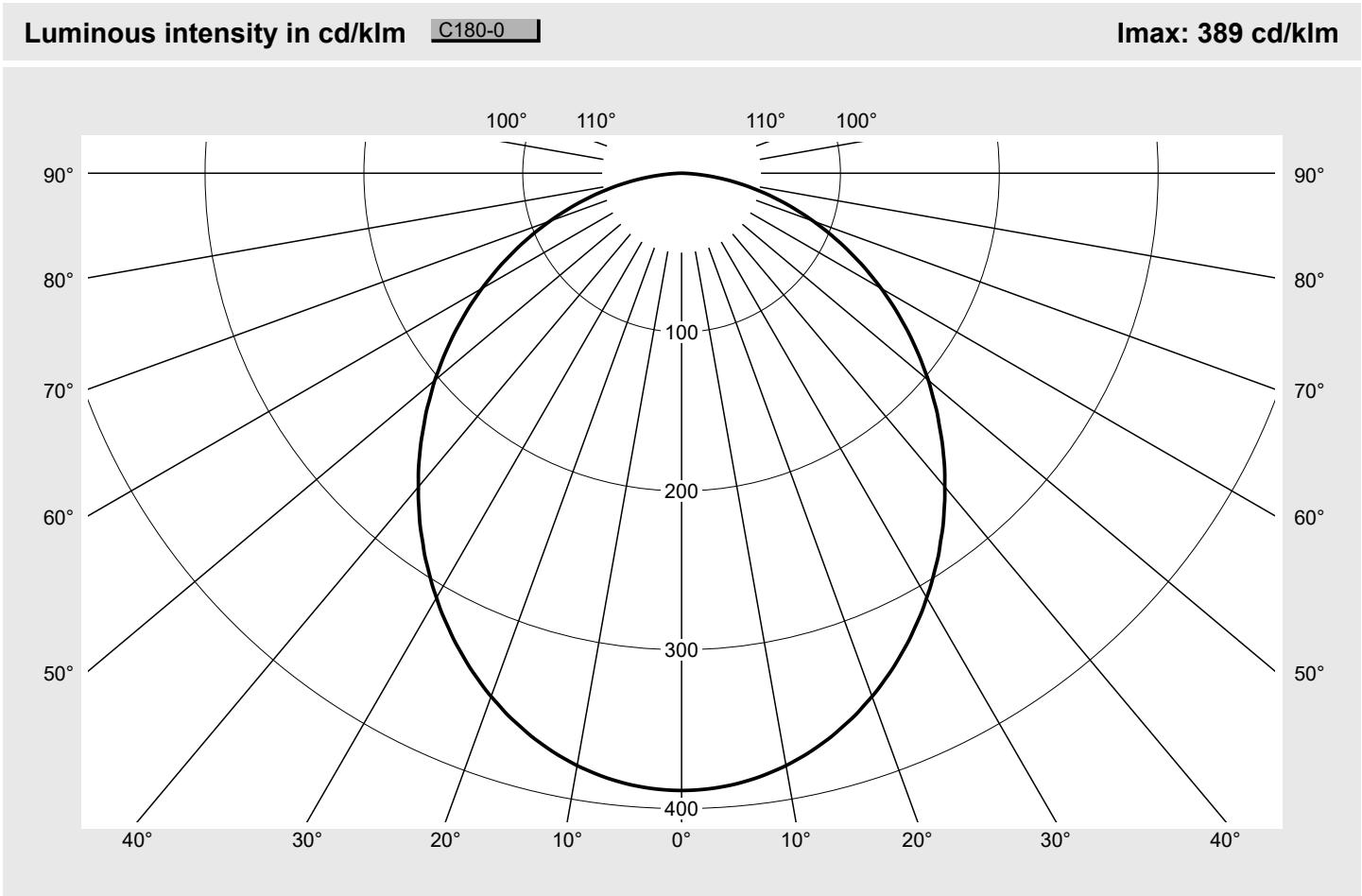


Photometric test report

Family Lunis 21 	Order number: 51DB16EC91C EAN: 4069025013316		LP number 59574_17
	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 3000 K CRI ≥ 80 ECG Multilumen individual position: DIP-Step=4, colour temperature 3000K Net luminous flux = 1390 lm Power consumption = 11.1 W Luminous efficacy = 125.2 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_17
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_17	
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	27.3	29.0	27.7	29.3	29.6	27.3	29.0	27.7	29.3	29.6
	3H	28.8	30.3	29.2	30.7	31.0	28.8	30.3	29.2	30.7	31.0
	4H	29.5	30.9	29.9	31.2	31.6	29.5	30.9	29.9	31.2	31.6
	6H	29.9	31.2	30.3	31.6	32.0	29.9	31.2	30.3	31.6	32.0
	8H	30.1	31.3	30.5	31.7	32.1	30.1	31.3	30.5	31.7	32.1
	12H	30.2	31.3	30.6	31.7	32.1	30.2	31.3	30.6	31.7	32.1
4H	2H	28.0	29.5	28.4	29.8	30.2	28.0	29.5	28.4	29.8	30.2
	3H	29.8	31.0	30.2	31.3	31.7	29.8	31.0	30.2	31.3	31.7
	4H	30.5	31.6	30.9	32.0	32.4	30.5	31.6	30.9	32.0	32.4
	6H	31.1	32.0	31.5	32.4	32.9	31.1	32.0	31.5	32.4	32.9
	8H	31.2	32.1	31.7	32.6	33.0	31.2	32.1	31.7	32.6	33.0
	12H	31.4	32.1	31.9	32.6	33.1	31.4	32.1	31.9	32.6	33.1
8H	4H	30.8	31.7	31.3	32.1	32.6	30.8	31.7	31.3	32.1	32.6
	6H	31.5	32.2	32.0	32.7	33.2	31.5	32.2	32.0	32.7	33.2
	8H	31.8	32.4	32.2	32.9	33.4	31.8	32.4	32.2	32.9	33.4
	12H	31.9	32.5	32.4	33.0	33.5	31.9	32.5	32.4	33.0	33.5
12H	4H	30.9	31.6	31.3	32.1	32.6	30.9	31.6	31.3	32.1	32.6
	6H	31.6	32.2	32.1	32.7	33.2	31.6	32.2	32.1	32.7	33.2
	8H	31.9	32.4	32.4	32.9	33.4	31.9	32.4	32.4	32.9	33.4

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	81768.2			
50°	79142.9			
55°	76114.8			
60°	72810.2			
65°	68999.3			
70°	64684.2			
75°	59407.0			
80°	52515.1			
85°	38502.9			

Photometric test report

Family
Lunis 21

Order number: 51DB16EC91C
EAN: 4069025013316

LP number
59574_17

Luminance values in cd/m²

γ 65°

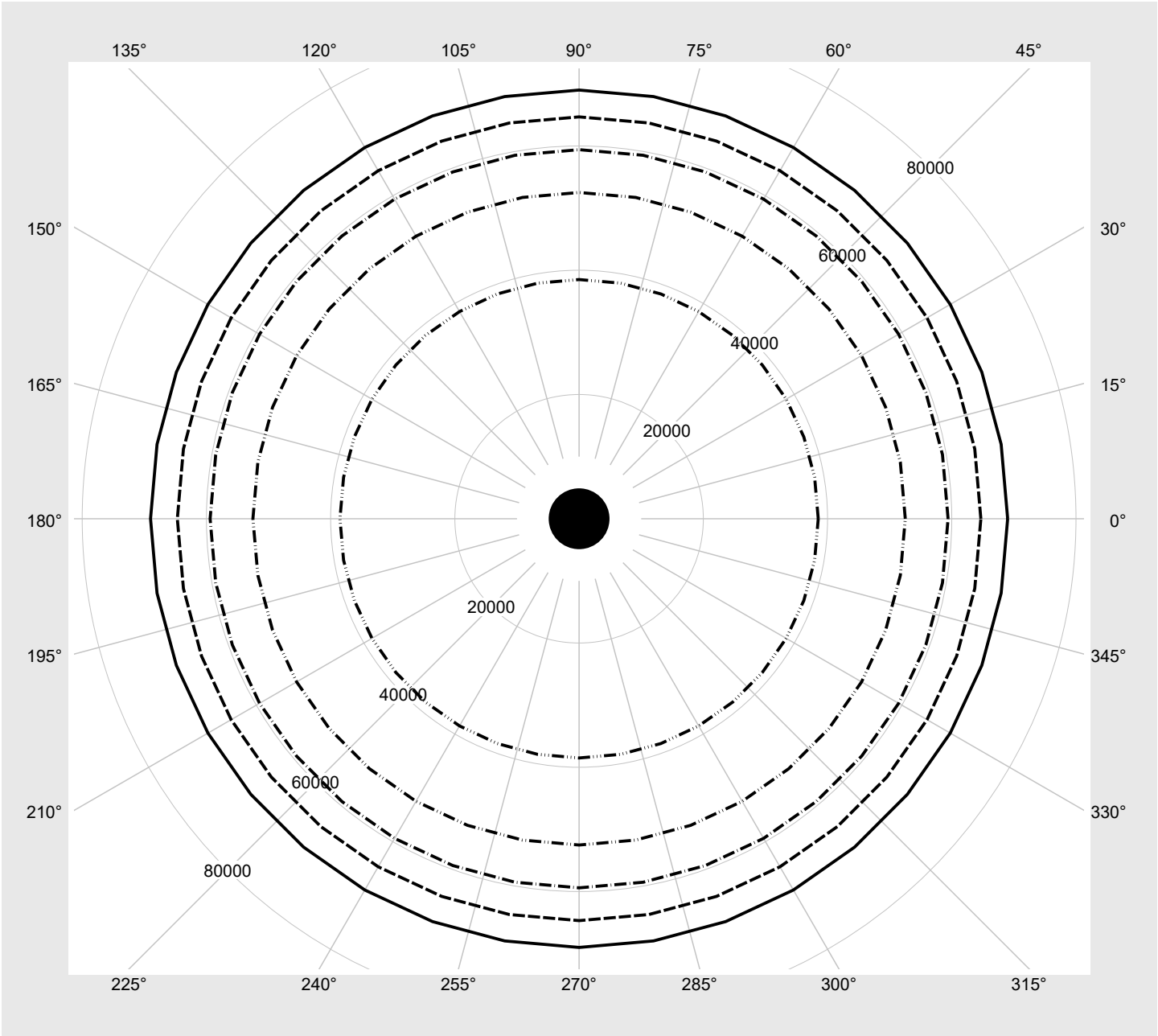
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB16EC91C EAN: 4069025013316	LP number 59574_17
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	3010	25.5
11	ON	OFF	ON	ON	2790	23.5
10	ON	OFF	ON	OFF	2610	21.6
9	ON	OFF	OFF	ON	2440	20.1
8	ON	OFF	OFF	OFF	2290	18.8
7	OFF	ON	ON	ON	2010	16.5
6	OFF	ON	ON	OFF	1810	14.6
5	OFF	ON	OFF	ON	1610	12.9
4	OFF	ON	OFF	OFF	1390	11.1
3	OFF	OFF	ON	ON	1230	9.7
2	OFF	OFF	ON	OFF	1020	8.0
1	OFF	OFF	OFF	ON	780	6.1
0	OFF	OFF	OFF	OFF	560	4.4