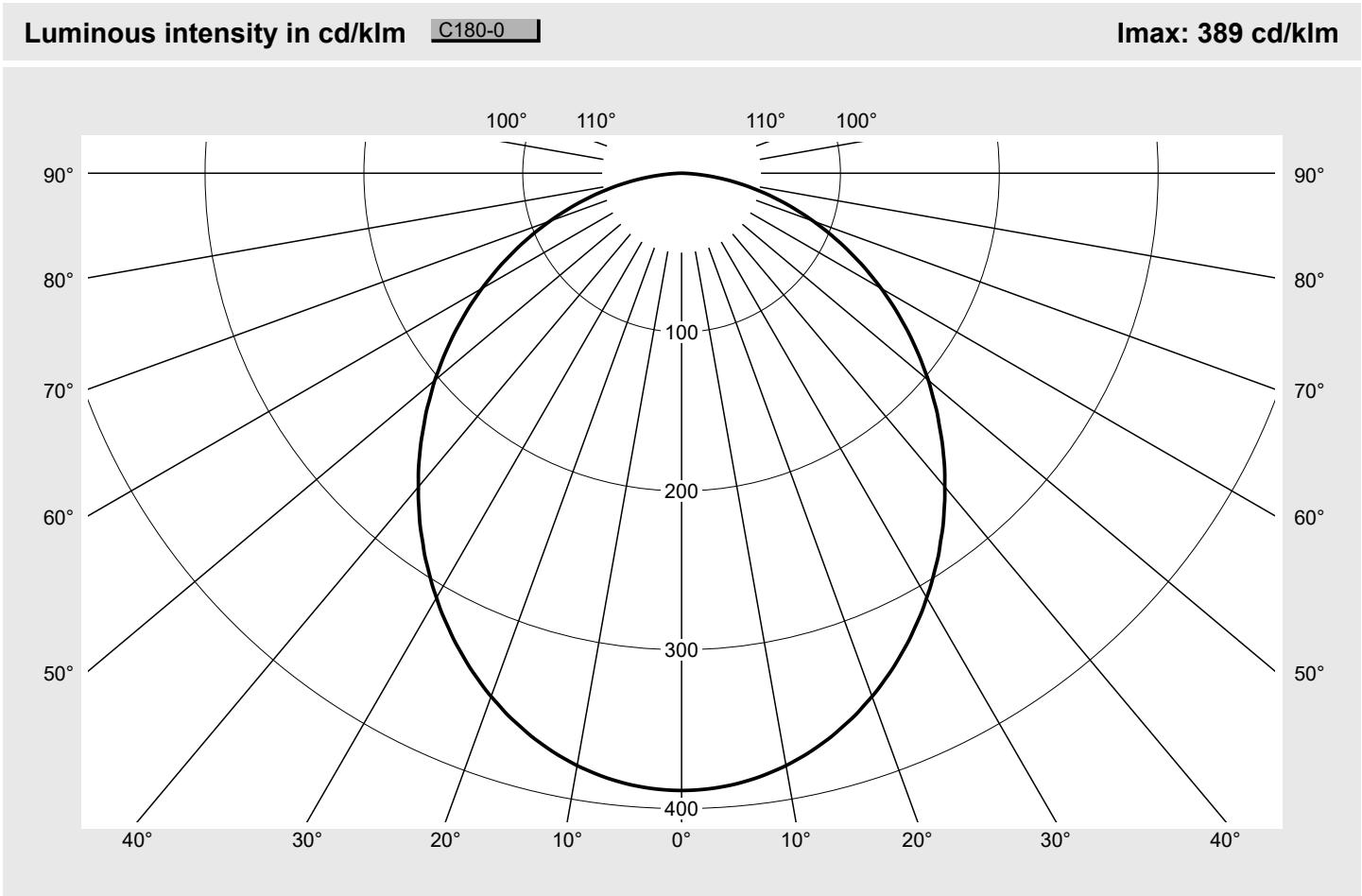


Photometric test report

Family Lunis 21	Order number: 51DB16MC91C EAN: 4069025013279	LP number 59574_16	
	Version	recessed luminaire, cover opal, PMMA, diffuse beam, adjustable color temperature: 3000K 4000K 6500K	serial documentation 02.10.2024
	Lamps	LED 6500 K CRI ≥ 80	
	Controlgear	ECG Multilumen	
	Setting	individual position: DIP-Step=4, colour temperature 6500K	
	Rated values	Net luminous flux = 1480 lm Power consumption = 10.6 W Luminous efficacy = 139.6 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_16
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_16	
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	27.5	29.2	27.9	29.5	29.8	27.5	29.2	27.9	29.5	29.8
	3H	29.1	30.6	29.4	30.9	31.3	29.1	30.6	29.4	30.9	31.3
	4H	29.7	31.1	30.1	31.4	31.8	29.7	31.1	30.1	31.4	31.8
	6H	30.1	31.4	30.5	31.8	32.2	30.1	31.4	30.5	31.8	32.2
	8H	30.3	31.5	30.7	31.9	32.3	30.3	31.5	30.7	31.9	32.3
	12H	30.4	31.5	30.8	31.9	32.4	30.4	31.5	30.8	31.9	32.4
4H	2H	28.3	29.7	28.7	30.0	30.4	28.3	29.7	28.7	30.0	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	31.1	32.2	32.6	30.7	31.8	31.1	32.2	32.6
	6H	31.3	32.2	31.7	32.6	33.1	31.3	32.2	31.7	32.6	33.1
	8H	31.5	32.3	31.9	32.8	33.2	31.5	32.3	31.9	32.8	33.2
	12H	31.6	32.4	32.1	32.8	33.3	31.6	32.4	32.1	32.8	33.3
8H	4H	31.0	31.9	31.5	32.3	32.8	31.0	31.9	31.5	32.3	32.8
	6H	31.7	32.4	32.2	32.9	33.4	31.7	32.4	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	31.8	31.6	32.3	32.8	31.1	31.8	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	33.6	32.1	32.6	32.6	33.1	33.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes		0°		
γ	Luminance in cd/m²			
45°	87062.5			
50°	84267.2			
55°	81043.1			
60°	77524.6			
65°	73466.9			
70°	68872.4			
75°	63253.5			
80°	55915.4			
85°	40995.9			

Photometric test report

Family
Lunis 21

Order number: 51DB16MC91C
EAN: 4069025013279

LP number
59574_16

Luminance values in cd/m²

γ 65°

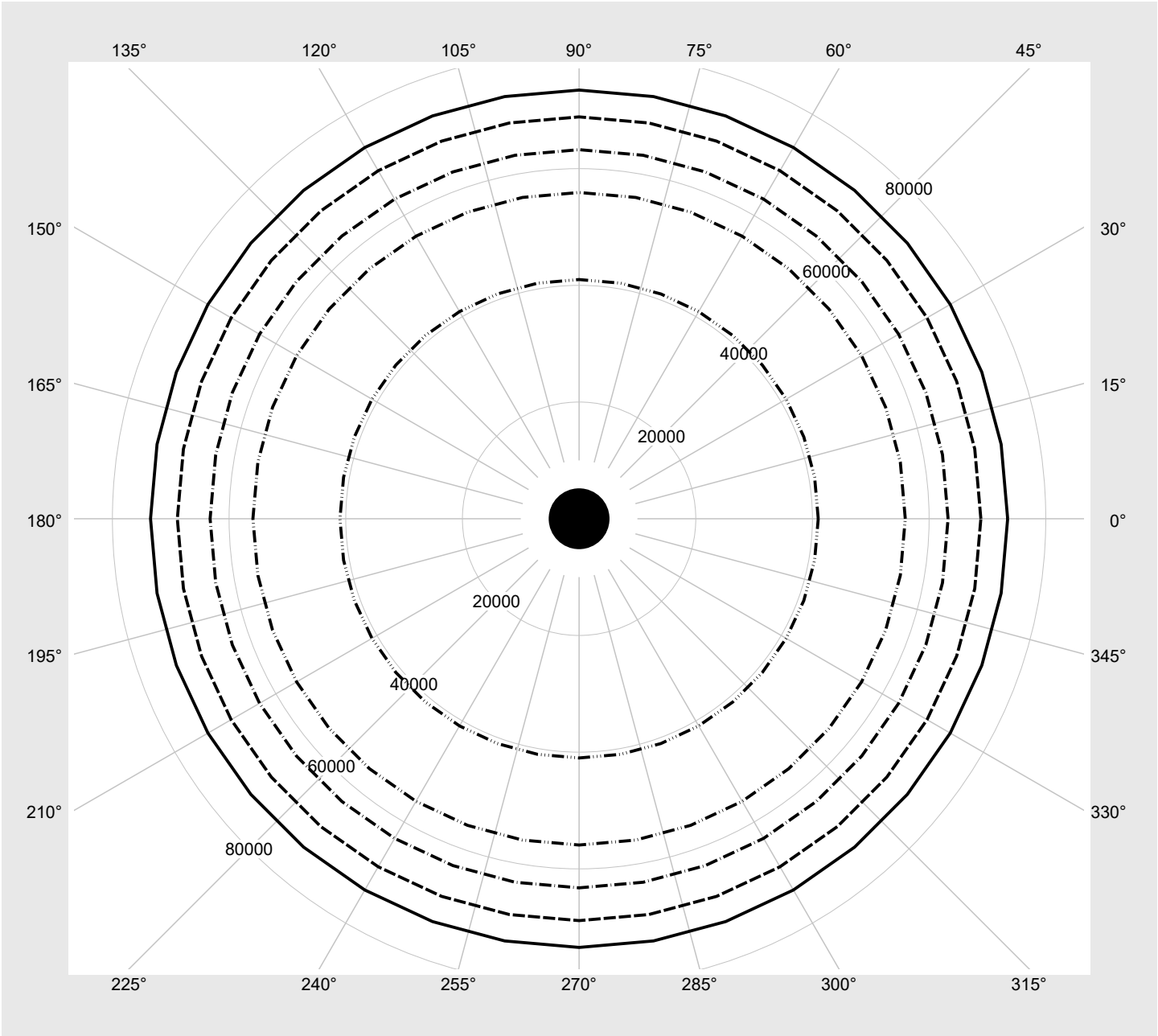
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB16MC91C EAN: 4069025013279	LP number 59574_16
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	3280	25.5
11	ON	OFF	ON	ON	2990	22.1
10	ON	OFF	ON	OFF	2800	20.6
9	ON	OFF	OFF	ON	2660	19.5
8	ON	OFF	OFF	OFF	2470	18.0
7	OFF	ON	ON	ON	2170	15.7
6	OFF	ON	ON	OFF	1930	13.9
5	OFF	ON	OFF	ON	1730	12.4
4	OFF	ON	OFF	OFF	1480	10.6
3	OFF	OFF	ON	ON	1370	9.7
2	OFF	OFF	ON	OFF	1130	8.0
1	OFF	OFF	OFF	ON	860	6.1
0	OFF	OFF	OFF	OFF	620	4.4