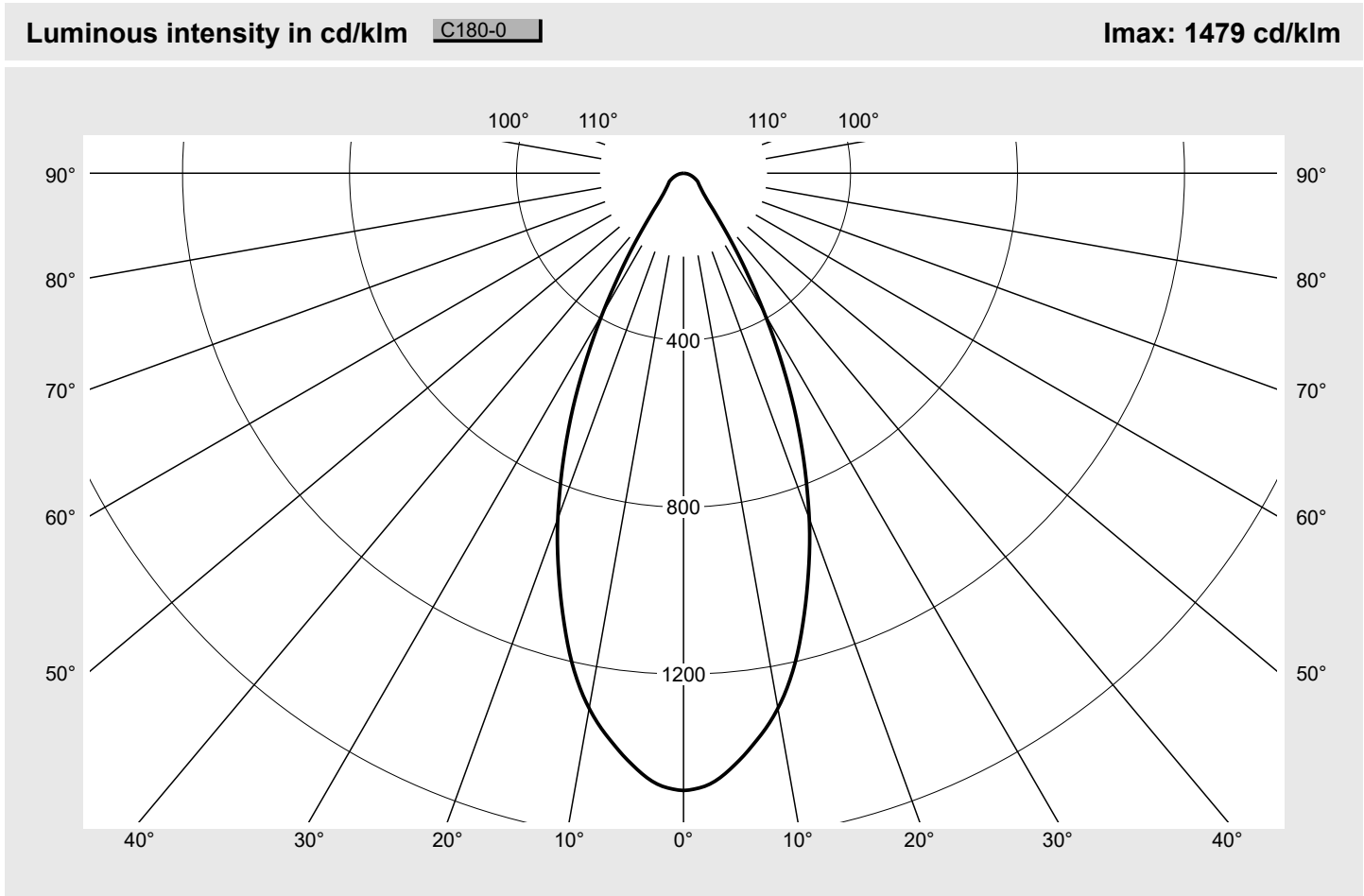


Photometric test report

Family Lunis 21	Order number: 51DB18MC91C EAN: 4058352048276	LP number 59682_2
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=4, colour temperature 4000K
	Rated values	Net luminous flux = 1840 lm Power consumption = 10.6 W Luminous efficacy = 173.6 lm/W
		serial documentation 27.09.2024
		siteco



Classifications	Luminaire light output ratios
DIN 5040 CIE	η_{LB} ϕ_u ϕ_o
A 7 0 N1=86 N2=95 N3=99 N4=100 N5=100	100.0% 100.0% 0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 21	Order number: 51DB18MC91C EAN: 4058352048276	LP number 59682_2
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°	1478.7	0.4	0.4
1°	1475.6	2.8	3.2
2°	1469.3	5.6	8.8
3°	1457.9	8.4	17.2
4°	1441.2	11.0	28.2
5°	1421.4	13.6	41.8
6°	1400.6	16.1	57.8
7°	1377.7	18.4	76.2
8°	1354.8	20.7	96.9
9°	1329.8	22.8	119.7
10°	1301.7	24.8	144.5
11°	1270.4	26.6	171.1
12°	1235.0	28.2	199.3
13°	1196.5	29.5	228.8
14°	1153.8	30.6	259.4
15°	1109.0	31.5	290.9
16°	1064.3	32.2	323.0
17°	1018.8	32.7	355.7
18°	973.8	33.0	388.7
19°	928.3	33.1	421.8
20°	880.7	33.0	454.9
21°	830.4	32.6	487.5
22°	781.2	32.1	519.6
23°	731.8	31.4	550.9
24°	681.9	30.4	581.4
25°	632.8	29.3	610.7
26°	582.3	28.0	638.7
27°	531.4	26.5	665.1
28°	482.3	24.8	690.0
29°	434.2	23.1	713.1
30°	388.2	21.3	734.3
31°	344.0	19.4	753.8
32°	302.3	17.6	771.3
33°	265.4	15.9	787.2
34°	231.6	14.2	801.4
35°	200.0	12.6	814.0
36°	172.2	11.1	825.1
37°	148.8	9.8	834.9
38°	129.3	8.7	843.6
39°	114.7	7.9	851.5
40°	100.0	7.0	858.6
41°	89.7	6.5	865.0
42°	82.1	6.0	871.1
43°	76.1	5.7	876.7
44°	70.7	5.4	882.1
45°	66.4	5.2	887.3
46°	63.1	5.0	892.3

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	60.1	4.8	897.1
48°	57.2	4.7	901.7
49°	54.8	4.5	906.3
50°	52.6	4.4	910.7
51°	50.6	4.3	915.0
52°	48.7	4.2	919.2
53°	47.1	4.1	923.3
54°	45.7	4.1	927.4
55°	44.4	4.0	931.4
56°	43.1	3.9	935.3
57°	42.0	3.9	939.2
58°	40.9	3.8	943.0
59°	39.9	3.8	946.7
60°	38.5	3.7	950.4
61°	36.9	3.5	953.9
62°	35.2	3.4	957.3
63°	33.6	3.3	960.6
64°	31.9	3.1	963.8
65°	30.3	3.0	966.8
66°	28.8	2.9	969.7
67°	27.2	2.7	972.4
68°	25.8	2.6	975.0
69°	24.3	2.5	977.5
70°	22.8	2.3	979.9
71°	21.4	2.2	982.1
72°	20.0	2.1	984.2
73°	18.6	2.0	986.1
74°	17.3	1.8	987.9
75°	16.0	1.7	989.6
76°	14.7	1.6	991.2
77°	13.4	1.4	992.6
78°	12.2	1.3	993.9
79°	11.0	1.2	995.1
80°	9.7	1.1	996.2
81°	8.6	0.9	997.1
82°	7.4	0.8	997.9
83°	6.3	0.7	998.6
84°	4.6	0.5	999.1
85°	2.9	0.3	999.4
86°	2.1	0.2	999.7
87°	1.6	0.2	999.8
88°	1.1	0.1	999.9
89°	0.6	0.1	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB18MC91C EAN: 4058352048276							LP number 59682_2	
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	20.8	22.0	21.1	22.3	22.6	20.8	22.0	21.1	22.3	22.6
	3H	21.8	22.9	22.2	23.2	23.6	21.8	22.9	22.2	23.2	23.6
	4H	22.3	23.3	22.7	23.6	24.0	22.3	23.3	22.7	23.6	24.0
	6H	22.6	23.5	23.1	23.9	24.3	22.6	23.5	23.1	23.9	24.3
	8H	22.9	23.6	23.3	24.0	24.4	22.9	23.6	23.3	24.0	24.4
	12H	22.9	23.6	23.4	24.0	24.4	22.9	23.6	23.4	24.0	24.4
4H	2H	21.2	22.2	21.6	22.5	22.9	21.2	22.2	21.6	22.5	22.9
	3H	22.4	23.3	22.9	23.7	24.1	22.4	23.3	22.9	23.7	24.1
	4H	23.0	23.7	23.5	24.2	24.6	23.0	23.7	23.5	24.2	24.6
	6H	23.5	24.1	24.0	24.5	25.0	23.5	24.1	24.0	24.5	25.0
	8H	23.7	24.2	24.1	24.7	25.1	23.7	24.2	24.1	24.7	25.1
	12H	23.8	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
8H	4H	23.2	23.8	23.7	24.2	24.7	23.2	23.8	23.7	24.2	24.7
	6H	23.8	24.3	24.3	24.7	25.3	23.8	24.3	24.3	24.7	25.3
	8H	24.0	24.4	24.6	24.9	25.5	24.0	24.4	24.6	24.9	25.5
	12H	24.2	24.5	24.7	25.0	25.5	24.2	24.5	24.7	25.0	25.5
12H	4H	23.3	23.7	23.8	24.2	24.7	23.3	23.7	23.8	24.2	24.7
	6H	23.9	24.2	24.4	24.7	25.3	23.9	24.2	24.4	24.7	25.3
	8H	24.1	24.4	24.7	25.0	25.5	24.1	24.4	24.7	25.0	25.5

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 84
C-planes	0°			
γ	Luminance in cd/m²			
45°	31200.8			
50°	27190.5			
55°	25691.2			
60°	25585.8			
65°	23823.6			
70°	22118.1			
75°	20519.1			
80°	18636.7			
85°	11009.6			

Photometric test report

Family
Lunis 21

Order number: 51DB18MC91C
EAN: 4058352048276

LP number
59682_2

Luminance values in cd/m²

γ 65°

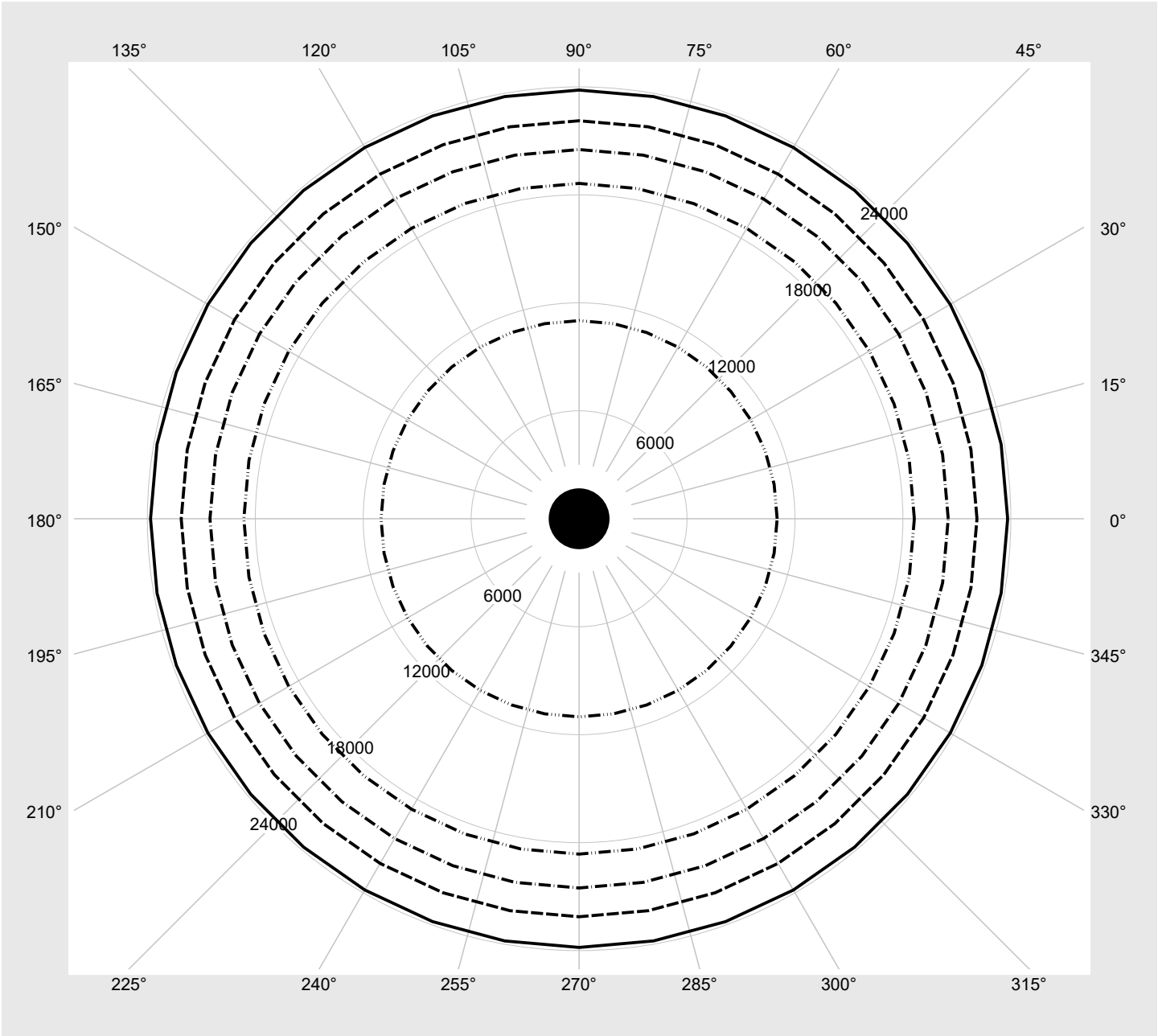
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family
Lunis 21

Order number: 51DB18MC91C
EAN: 4058352048276

LP number
59682_2

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	4040	25.5
11	ON	OFF	ON	ON	3720	22.1
10	ON	OFF	ON	OFF	3490	20.6
9	ON	OFF	OFF	ON	3310	19.5
8	ON	OFF	OFF	OFF	3070	18.0
7	OFF	ON	ON	ON	2700	15.7
6	OFF	ON	ON	OFF	2410	13.9
5	OFF	ON	OFF	ON	2150	12.4
4	OFF	ON	OFF	OFF	1840	10.6
3	OFF	OFF	ON	ON	1690	9.7
2	OFF	OFF	ON	OFF	1400	8.0
1	OFF	OFF	OFF	ON	1060	6.1
0	OFF	OFF	OFF	OFF	760	4.4