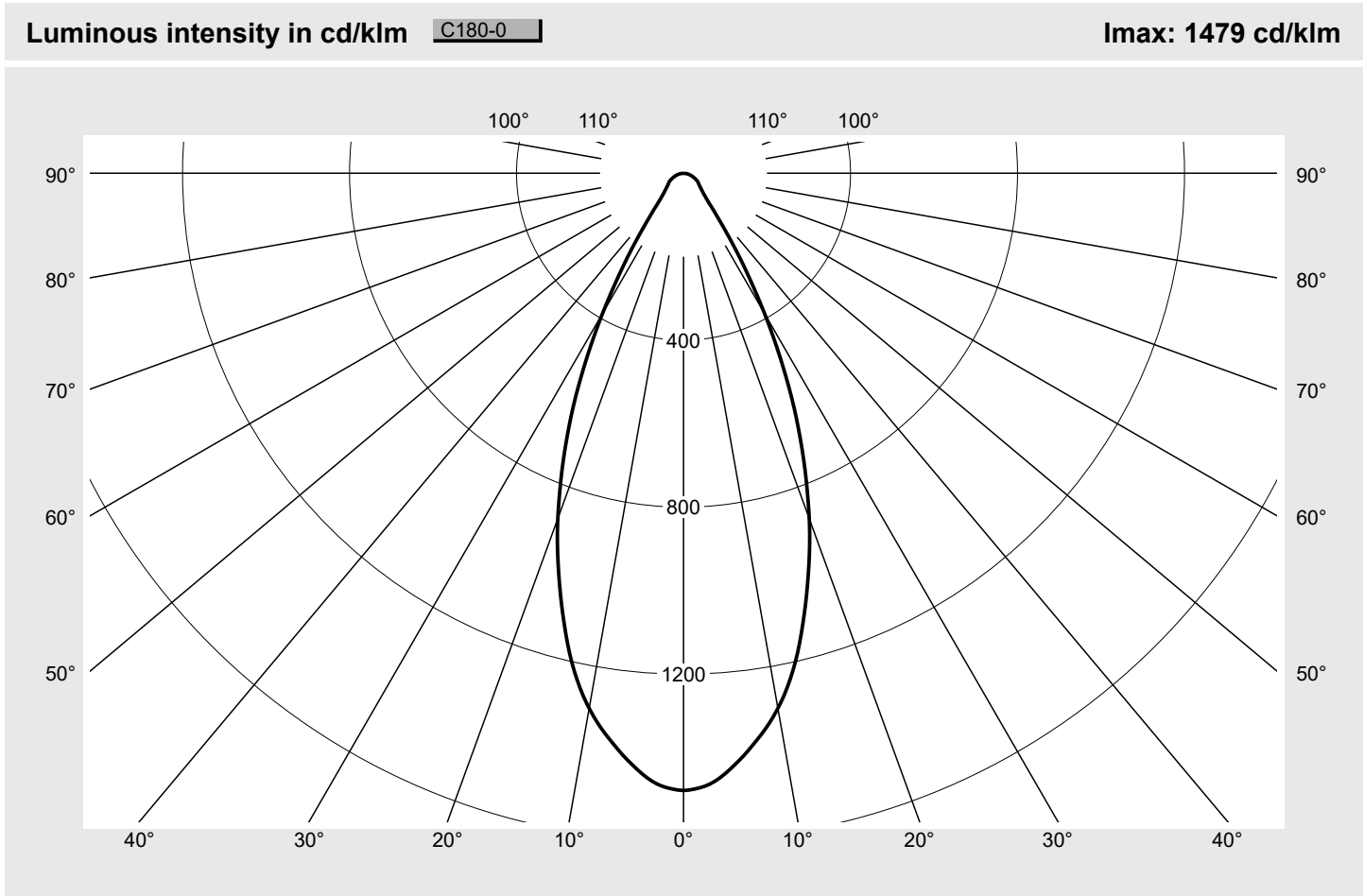


Photometric test report

Family Lunis 21	Order number: 51DB18MC91C EAN: 4058352048276	LP number 59682_3
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K
	Lamps	LED 6500 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: DIP-Step=4, colour temperature 6500K
	Rated values	Net luminous flux = 1820 lm Power consumption = 10.6 W Luminous efficacy = 171.7 lm/W
		serial documentation 27.09.2024
		siteco



Classifications	Luminaire light output ratios
DIN 5040 A 7 0	η_{LB} 100.0%
CIE N1=86 N2=95 N3=99	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: 51DB18MC91C EAN: 4058352048276	LP number 59682_3
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_3	
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	20.7	21.9	21.1	22.2	22.6	20.7	21.9	21.1	22.2	22.6
	3H	21.8	22.9	22.2	23.2	23.5	21.8	22.9	22.2	23.2	23.5
	4H	22.2	23.2	22.6	23.6	24.0	22.2	23.2	22.6	23.6	24.0
	6H	22.6	23.5	23.0	23.9	24.3	22.6	23.5	23.0	23.9	24.3
	8H	22.8	23.6	23.3	24.0	24.4	22.8	23.6	23.3	24.0	24.4
	12H	22.9	23.6	23.3	24.0	24.4	22.9	23.6	23.3	24.0	24.4
4H	2H	21.1	22.1	21.5	22.5	22.9	21.1	22.1	21.5	22.5	22.9
	3H	22.4	23.2	22.8	23.6	24.0	22.4	23.2	22.8	23.6	24.0
	4H	23.0	23.7	23.4	24.1	24.6	23.0	23.7	23.4	24.1	24.6
	6H	23.4	24.1	23.9	24.5	25.0	23.4	24.1	23.9	24.5	25.0
	8H	23.6	24.2	24.1	24.6	25.1	23.6	24.2	24.1	24.6	25.1
	12H	23.7	24.2	24.2	24.6	25.1	23.7	24.2	24.2	24.6	25.1
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	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
	8H	24.0	24.4	24.5	24.9	25.4	24.0	24.4	24.5	24.9	25.4
	12H	24.1	24.4	24.7	25.0	25.5	24.1	24.4	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	25.2	23.9	24.2	24.4	24.7	25.2
	8H	24.1	24.4	24.6	24.9	25.5	24.1	24.4	24.6	24.9	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°	30861.7		
50°	26895.0		
55°	25412.0		
60°	25307.7		
65°	23564.7		
70°	21877.7		
75°	20296.0		
80°	18434.2		
85°	10889.9		

Photometric test report

Family
Lunis 21

Order number: 51DB18MC91C
EAN: 4058352048276

LP number
59682_3

Luminance values in cd/m²

γ 65°

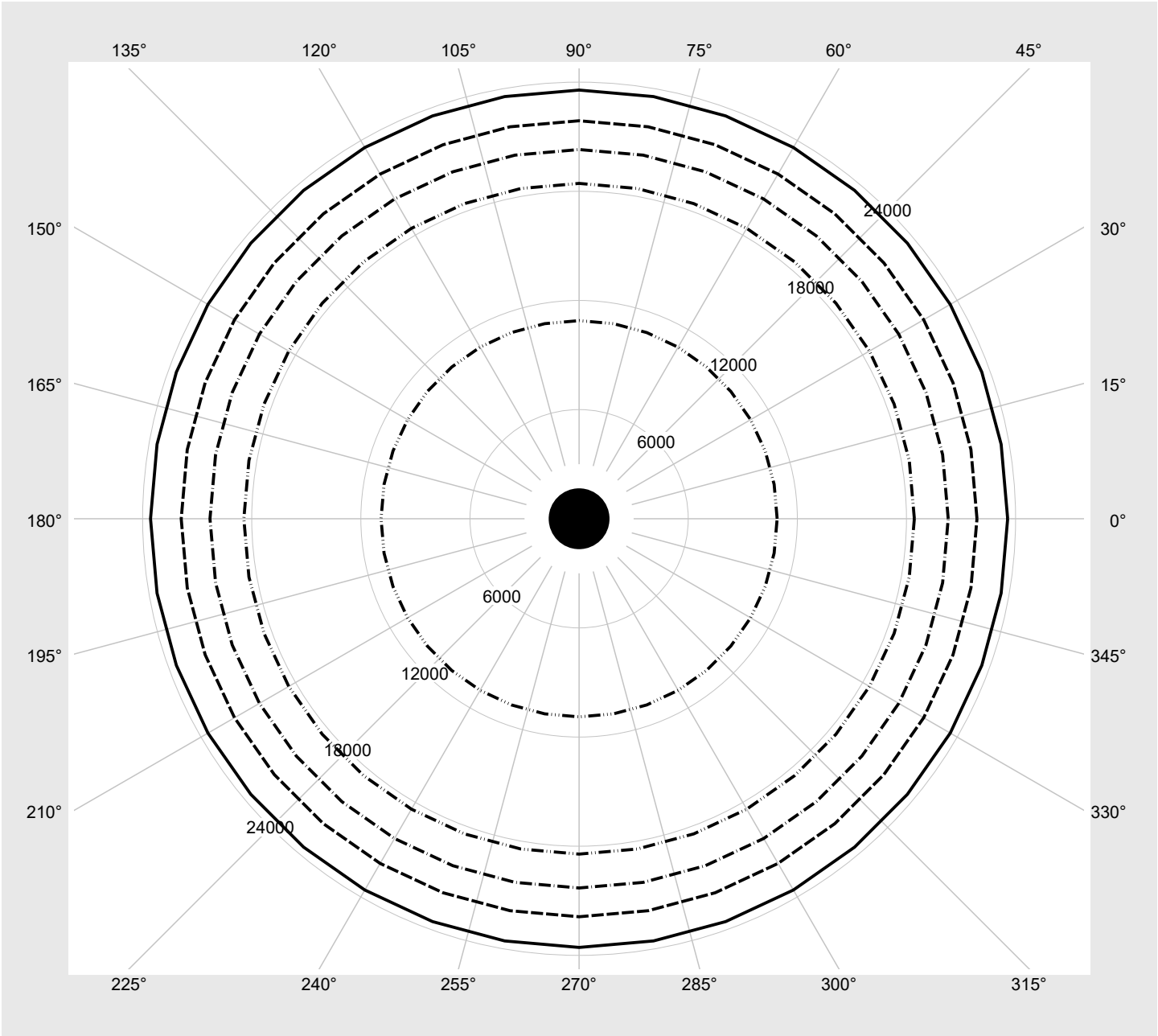
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB18MC91C EAN: 4058352048276	LP number 59682_3
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	4000	25.5
11	ON	OFF	ON	ON	3680	22.1
10	ON	OFF	ON	OFF	3460	20.6
9	ON	OFF	OFF	ON	3280	19.5
8	ON	OFF	OFF	OFF	3040	18.0
7	OFF	ON	ON	ON	2670	15.7
6	OFF	ON	ON	OFF	2380	13.9
5	OFF	ON	OFF	ON	2130	12.4
4	OFF	ON	OFF	OFF	1820	10.6
3	OFF	OFF	ON	ON	1670	9.7
2	OFF	OFF	ON	OFF	1380	8.0
1	OFF	OFF	OFF	ON	1050	6.1
0	OFF	OFF	OFF	OFF	760	4.4