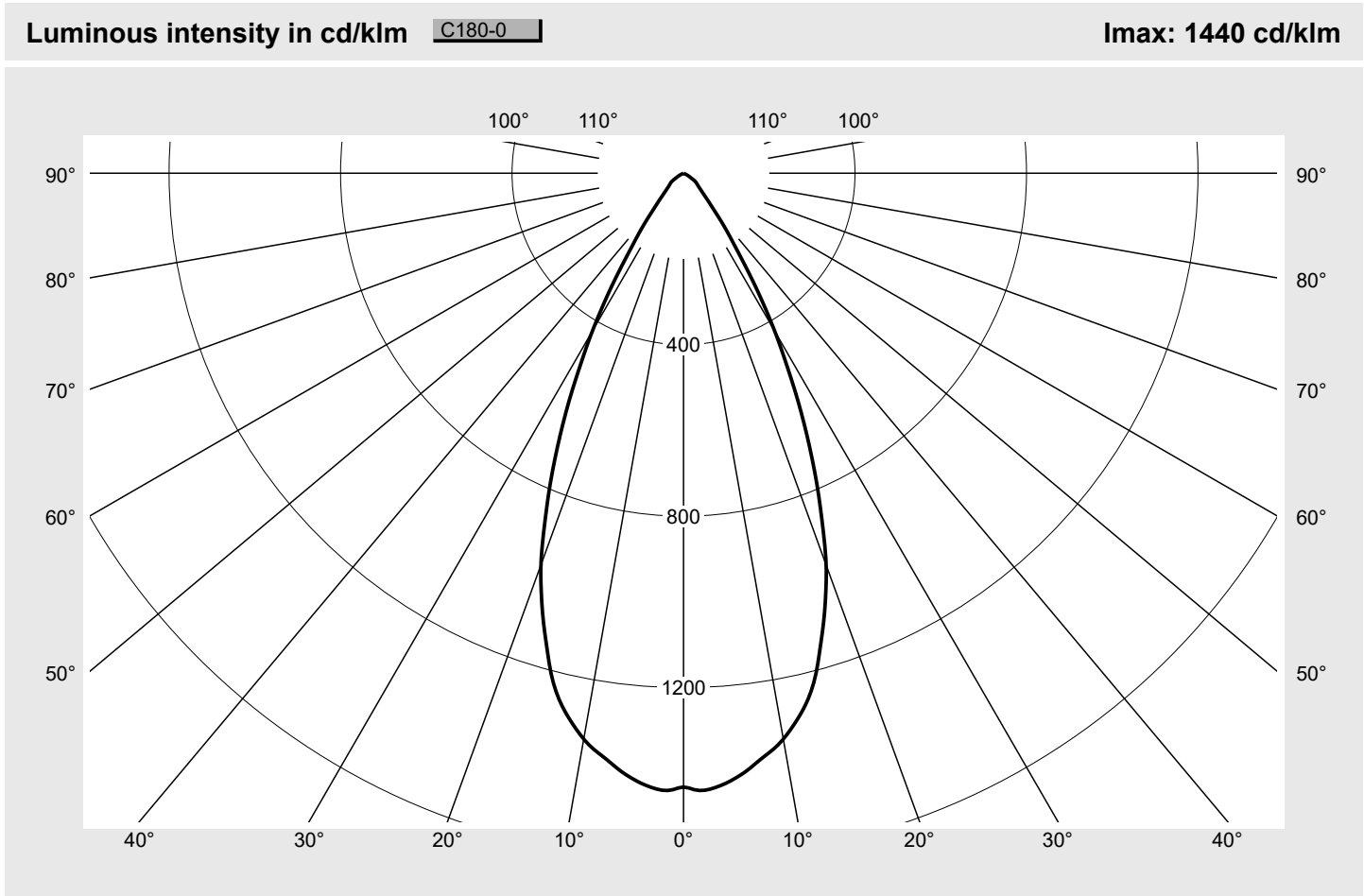


Photometric test report

Family Lunis 21 	Order number: 51DB15TA91C EAN: 4069025013361	LP number 59673_7
	Version	recessed luminaire, Combined lens and reflector optics, reflector, highly specular, rotationally symmetrical medium distribution, tunable white, UGR≤19 (L65≤3000cd/m²)
	Lamps Controlgear Setting Rated values	LED 3000 K ... 6500 K CRI ≥ 80 ECG Multilumen factory setting: DIP-Step=1, colour temperature 4000K at 4000 K Net luminous flux = 960 lm Power consumption = 6.0 W Luminous efficacy = 160 lm/W

serial documentation27.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=93 N2=99 N3=100	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: 51DB15TA91C EAN: 4069025013361	LP number 59673_7
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°	1431.9	0.3	0.3
1°	1438.4	2.8	3.1
2°	1440.2	5.5	8.6
3°	1434.7	8.2	16.8
4°	1426.4	10.9	27.8
5°	1415.3	13.5	41.3
6°	1402.3	16.1	57.4
7°	1386.6	18.5	75.9
8°	1371.9	20.9	96.8
9°	1358.0	23.3	120.1
10°	1340.4	25.5	145.6
11°	1319.2	27.6	173.2
12°	1296.1	29.6	202.8
13°	1270.2	31.3	234.1
14°	1238.8	32.9	267.0
15°	1200.0	34.1	301.1
16°	1154.8	34.9	336.0
17°	1111.3	35.6	371.6
18°	1067.0	36.2	407.8
19°	1020.8	36.4	444.2
20°	972.8	36.5	480.7
21°	915.8	36.0	516.7
22°	857.0	35.2	551.9
23°	801.3	34.3	586.2
24°	744.2	33.2	619.4
25°	687.6	31.9	651.3
26°	632.0	30.4	681.7
27°	577.0	28.7	710.4
28°	521.9	26.9	737.2
29°	472.5	25.1	762.4
30°	425.3	23.3	785.7
31°	377.2	21.3	807.0
32°	331.6	19.3	826.3
33°	287.8	17.2	843.4
34°	247.1	15.2	858.6
35°	213.3	13.4	872.0
36°	187.8	12.1	884.1
37°	164.8	10.9	895.0
38°	143.3	9.7	904.7
39°	122.5	8.5	913.1
40°	105.9	7.5	920.6
41°	93.4	6.7	927.3
42°	83.1	6.1	933.4
43°	73.6	5.5	938.9
44°	66.5	5.1	944.0
45°	60.6	4.7	948.7
46°	55.8	4.4	953.1

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	51.6	4.1	957.2
48°	48.0	3.9	961.1
49°	45.4	3.8	964.9
50°	43.2	3.6	968.5
51°	41.0	3.5	972.0
52°	39.2	3.4	975.4
53°	37.4	3.3	978.7
54°	35.4	3.1	981.8
55°	32.8	3.0	984.7
56°	29.0	2.6	987.4
57°	23.3	2.1	989.5
58°	20.4	1.9	991.4
59°	17.8	1.7	993.1
60°	15.3	1.5	994.5
61°	13.1	1.3	995.8
62°	10.7	1.0	996.8
63°	7.7	0.8	997.6
64°	5.1	0.5	998.1
65°	3.1	0.3	998.4
66°	1.3	0.1	998.5
67°	0.9	0.1	998.6
68°	0.9	0.1	998.7
69°	0.8	0.1	998.8
70°	0.8	0.1	998.9
71°	0.8	0.1	998.9
72°	0.7	0.1	999.0
73°	0.7	0.1	999.1
74°	0.7	0.1	999.2
75°	0.7	0.1	999.2
76°	0.6	0.1	999.3
77°	0.6	0.1	999.4
78°	0.6	0.1	999.4
79°	0.6	0.1	999.5
80°	0.6	0.1	999.6
81°	0.5	0.1	999.6
82°	0.5	0.1	999.7
83°	0.5	0.1	999.7
84°	0.5	0.1	999.8
85°	0.4	0.0	999.8
86°	0.4	0.0	999.9
87°	0.4	0.0	999.9
88°	0.4	0.0	1000.0
89°	0.4	0.0	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB15TA91C EAN: 4069025013361							LP number 59673_7	
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	19.9	21.0	20.2	21.3	21.6	19.9	21.0	20.2	21.3	21.6
	3H	19.7	20.7	20.1	21.0	21.4	19.7	20.7	20.1	21.0	21.4
	4H	19.6	20.5	20.0	20.9	21.3	19.6	20.5	20.0	20.9	21.3
	6H	19.6	20.4	20.0	20.7	21.1	19.6	20.4	20.0	20.7	21.1
	8H	19.7	20.3	20.1	20.7	21.1	19.7	20.3	20.1	20.7	21.1
	12H	19.6	20.2	20.1	20.6	21.0	19.6	20.2	20.1	20.6	21.0
4H	2H	19.7	20.6	20.1	21.0	21.4	19.7	20.6	20.1	21.0	21.4
	3H	19.6	20.3	20.0	20.7	21.1	19.6	20.3	20.0	20.7	21.1
	4H	19.5	20.1	19.9	20.5	21.0	19.5	20.1	19.9	20.5	21.0
	6H	19.4	19.9	19.8	20.4	20.8	19.4	19.9	19.8	20.4	20.8
	8H	19.3	19.8	19.8	20.3	20.8	19.3	19.8	19.8	20.3	20.8
	12H	19.3	19.7	19.8	20.2	20.7	19.3	19.7	19.8	20.2	20.7
8H	4H	19.3	19.8	19.8	20.3	20.7	19.3	19.8	19.8	20.3	20.7
	6H	19.2	19.6	19.7	20.1	20.6	19.2	19.6	19.7	20.1	20.6
	8H	19.1	19.5	19.7	20.0	20.5	19.1	19.5	19.7	20.0	20.5
	12H	19.1	19.4	19.7	19.9	20.4	19.1	19.4	19.7	19.9	20.4
12H	4H	19.3	19.7	19.8	20.2	20.7	19.3	19.7	19.8	20.2	20.7
	6H	19.2	19.5	19.7	20.0	20.5	19.2	19.5	19.7	20.0	20.5
	8H	19.1	19.4	19.7	19.9	20.4	19.1	19.4	19.7	19.9	20.4

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 57
C-planes		0°		
γ	Luminance in cd/m²			
45°	32217.9			
50°	25293.5			
55°	21541.2			
60°	11497.0			
65°	2778.3			
70°	869.0			
75°	976.8			
80°	1198.1			
85°	1877.7			

Photometric test report

Family
Lunis 21

Order number: 51DB15TA91C
EAN: 4069025013361

LP number
59673_7

Luminance values in cd/m²

γ 65°

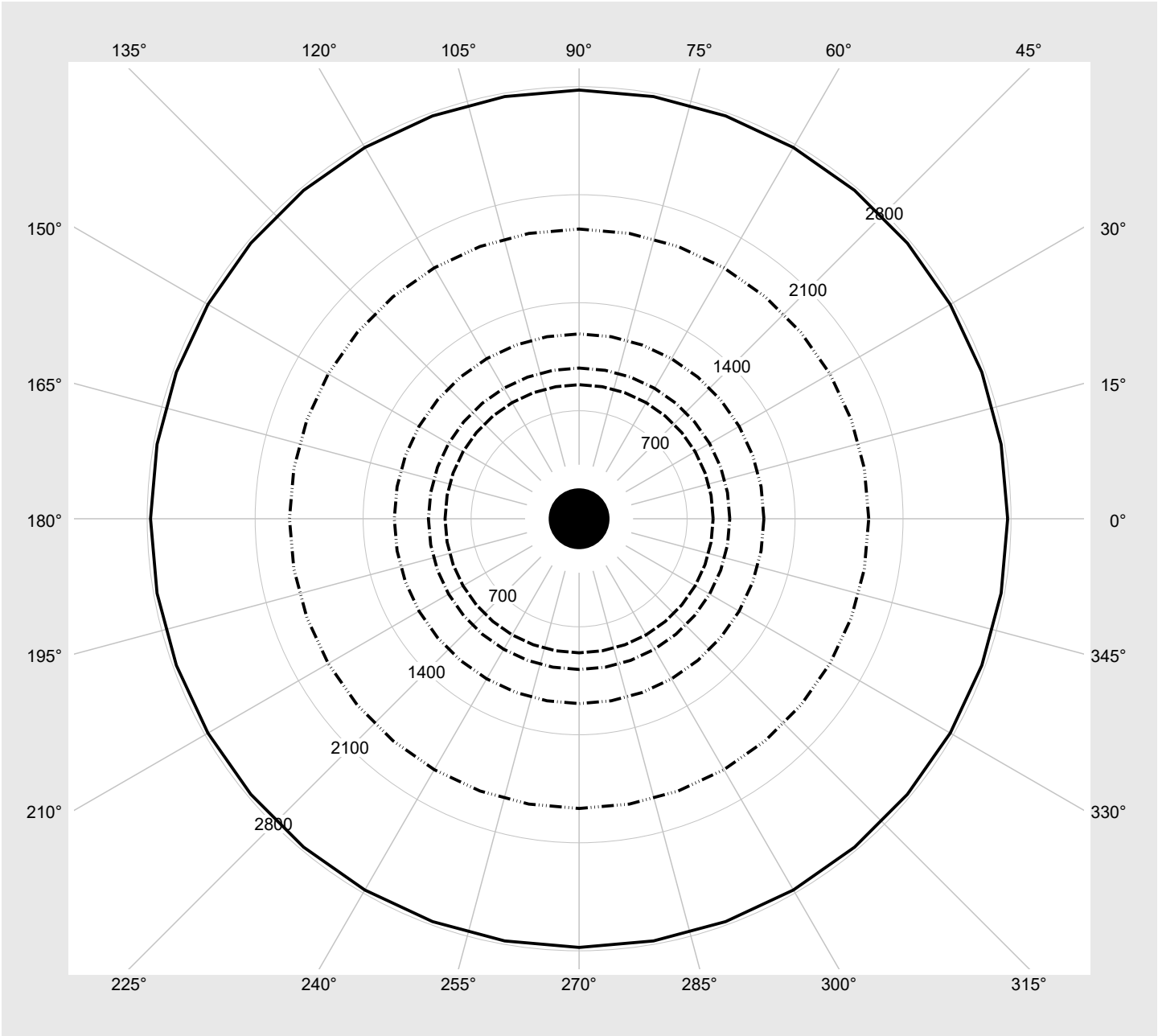
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB15TA91C EAN: 4069025013361	LP number 59673_7
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
2	OFF	OFF	ON	OFF	1260	8.0
1	OFF	OFF	OFF	ON	960	6.0
0	OFF	OFF	OFF	OFF	690	4.4