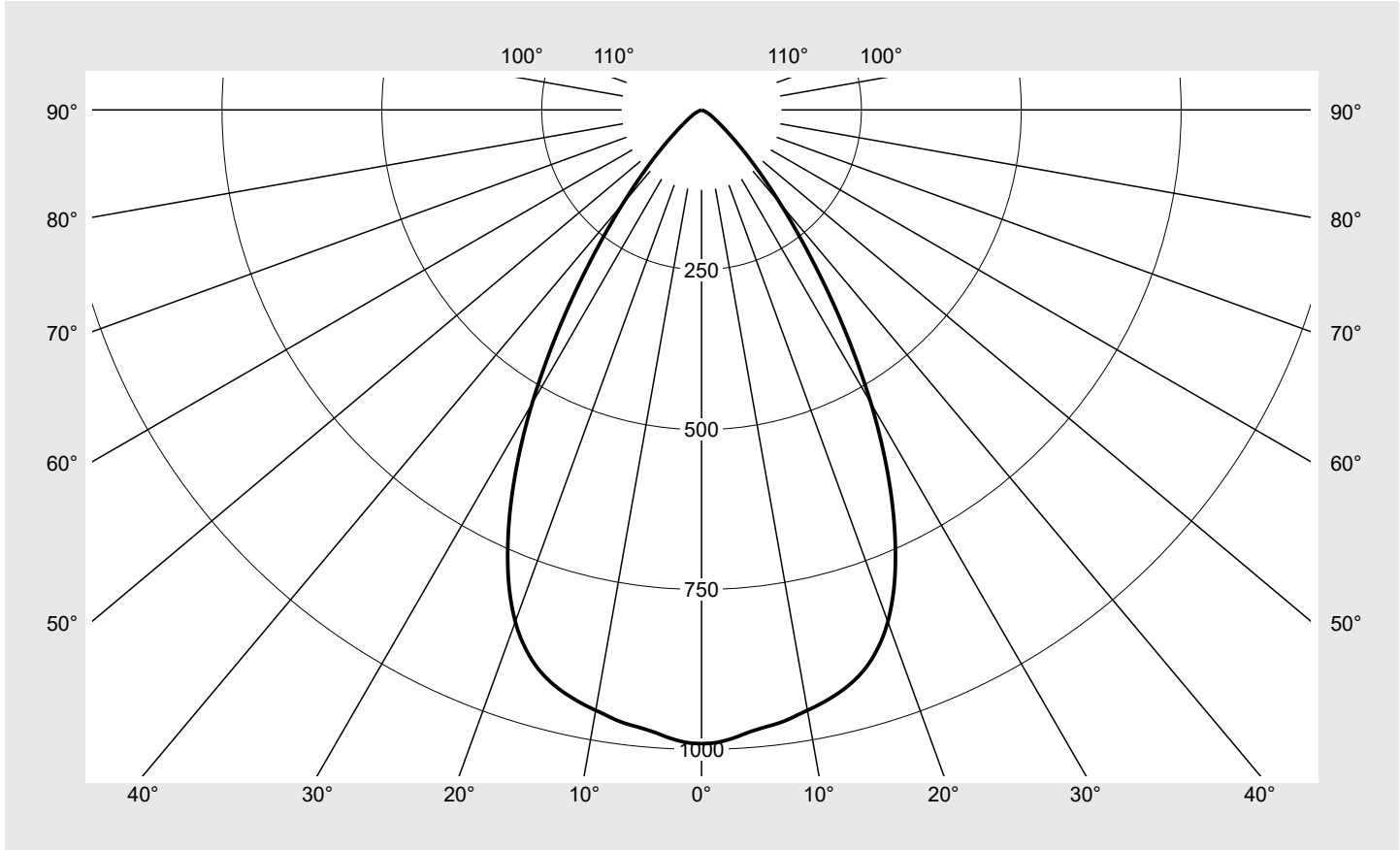


Photometric test report

Family Lunis 21	Order number: 51DB15MD4C EAN: 4058352555200	LP number 59250_5
	Version Combined lens and reflector optics, highly specular reflector, wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 23.08.2022
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Rated values Net luminous flux = 1700 lm Power consumption = 13.8 W Luminous efficacy = 123.2 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 991 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=90 N2=99 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 21	Order number: 51DB15MD4C EAN: 4058352555200	LP number 59250_5
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°	991.0	0.2	0.2
1°	990.2	1.9	2.1
2°	987.4	3.8	5.9
3°	983.1	5.6	11.6
4°	977.7	7.5	19.0
5°	973.2	9.3	28.3
6°	969.9	11.1	39.5
7°	967.0	12.9	52.4
8°	963.2	14.7	67.1
9°	958.1	16.4	83.5
10°	953.4	18.2	101.7
11°	948.9	19.9	121.5
12°	943.7	21.5	143.0
13°	938.0	23.1	166.2
14°	931.4	24.7	190.9
15°	923.4	26.2	217.1
16°	913.8	27.6	244.7
17°	902.0	28.9	273.6
18°	887.7	30.1	303.7
19°	871.2	31.1	334.8
20°	851.7	31.9	366.8
21°	829.0	32.6	399.3
22°	803.8	33.0	432.4
23°	775.6	33.2	465.6
24°	745.0	33.2	498.8
25°	712.8	33.0	531.9
26°	678.8	32.6	564.5
27°	643.2	32.0	596.5
28°	606.3	31.2	627.7
29°	568.5	30.2	658.0
30°	529.9	29.1	687.0
31°	490.1	27.7	714.7
32°	450.9	26.2	740.9
33°	412.3	24.6	765.5
34°	374.8	23.0	788.5
35°	338.4	21.3	809.8
36°	304.0	19.6	829.4
37°	272.4	18.0	847.4
38°	243.0	16.4	863.8
39°	216.5	14.9	878.7
40°	191.9	13.5	892.2
41°	170.0	12.2	904.5
42°	149.7	11.0	915.5
43°	131.6	9.8	925.3
44°	115.3	8.8	934.1
45°	100.7	7.8	941.9
46°	87.5	6.9	948.8

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	75.9	6.1	954.9
48°	65.6	5.3	960.2
49°	56.7	4.7	964.9
50°	49.5	4.2	969.1
51°	43.1	3.7	972.7
52°	37.7	3.3	976.0
53°	33.2	2.9	978.9
54°	29.3	2.6	981.5
55°	26.1	2.3	983.9
56°	23.5	2.1	986.0
57°	21.3	2.0	988.0
58°	19.3	1.8	989.7
59°	17.5	1.6	991.4
60°	15.5	1.5	992.9
61°	13.6	1.3	994.2
62°	11.5	1.1	995.3
63°	9.8	1.0	996.2
64°	8.3	0.8	997.0
65°	7.1	0.7	997.7
66°	6.0	0.6	998.4
67°	5.1	0.5	998.9
68°	4.0	0.4	999.3
69°	2.8	0.3	999.6
70°	1.7	0.2	999.7
71°	1.0	0.1	999.8
72°	0.7	0.1	999.9
73°	0.4	0.0	999.9
74°	0.2	0.0	1000.0
75°	0.0	0.0	1000.0
76°	0.0	0.0	1000.0
77°	0.0	0.0	1000.0
78°	0.0	0.0	1000.0
79°	0.0	0.0	1000.0
80°	0.0	0.0	1000.0
81°	0.0	0.0	1000.0
82°	0.0	0.0	1000.0
83°	0.0	0.0	1000.0
84°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
86°	0.0	0.0	1000.0
87°	0.0	0.0	1000.0
88°	0.0	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21	Order number: 51DB15MD4C EAN: 4058352555200	LP number 59250_5
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UGR-Table	Standard room	siteco
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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	18.1	19.3	18.4	19.6	19.9	18.1	19.3	18.4	19.6	19.9
	3H	17.9	19.0	18.3	19.3	19.7	17.9	19.0	18.3	19.3	19.7
	4H	17.9	18.8	18.3	19.2	19.6	17.9	18.8	18.3	19.2	19.6
	6H	17.8	18.7	18.2	19.0	19.4	17.8	18.7	18.2	19.0	19.4
	8H	17.9	18.6	18.3	19.0	19.4	17.9	18.6	18.3	19.0	19.4
	12H	17.8	18.5	18.3	18.9	19.3	17.8	18.5	18.3	18.9	19.3
4H	2H	17.9	18.9	18.3	19.2	19.6	17.9	18.9	18.3	19.2	19.6
	3H	17.8	18.6	18.2	18.9	19.4	17.8	18.6	18.2	18.9	19.4
	4H	17.7	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
	6H	17.6	18.2	18.0	18.6	19.1	17.6	18.2	18.0	18.6	19.1
	8H	17.5	18.1	18.0	18.5	19.0	17.5	18.1	18.0	18.5	19.0
	12H	17.5	18.0	18.0	18.4	18.9	17.5	18.0	18.0	18.4	18.9
8H	4H	17.5	18.1	18.0	18.5	19.0	17.5	18.1	18.0	18.5	19.0
	6H	17.4	17.8	17.9	18.3	18.8	17.4	17.8	17.9	18.3	18.8
	8H	17.4	17.7	17.9	18.2	18.8	17.4	17.7	17.9	18.2	18.8
	12H	17.3	17.6	17.9	18.1	18.7	17.3	17.6	17.9	18.1	18.7
12H	4H	17.5	18.0	18.0	18.4	18.9	17.5	18.0	18.0	18.4	18.9
	6H	17.4	17.7	17.9	18.2	18.8	17.4	17.7	17.9	18.2	18.8
	8H	17.3	17.6	17.9	18.1	18.7	17.3	17.6	17.9	18.1	18.7

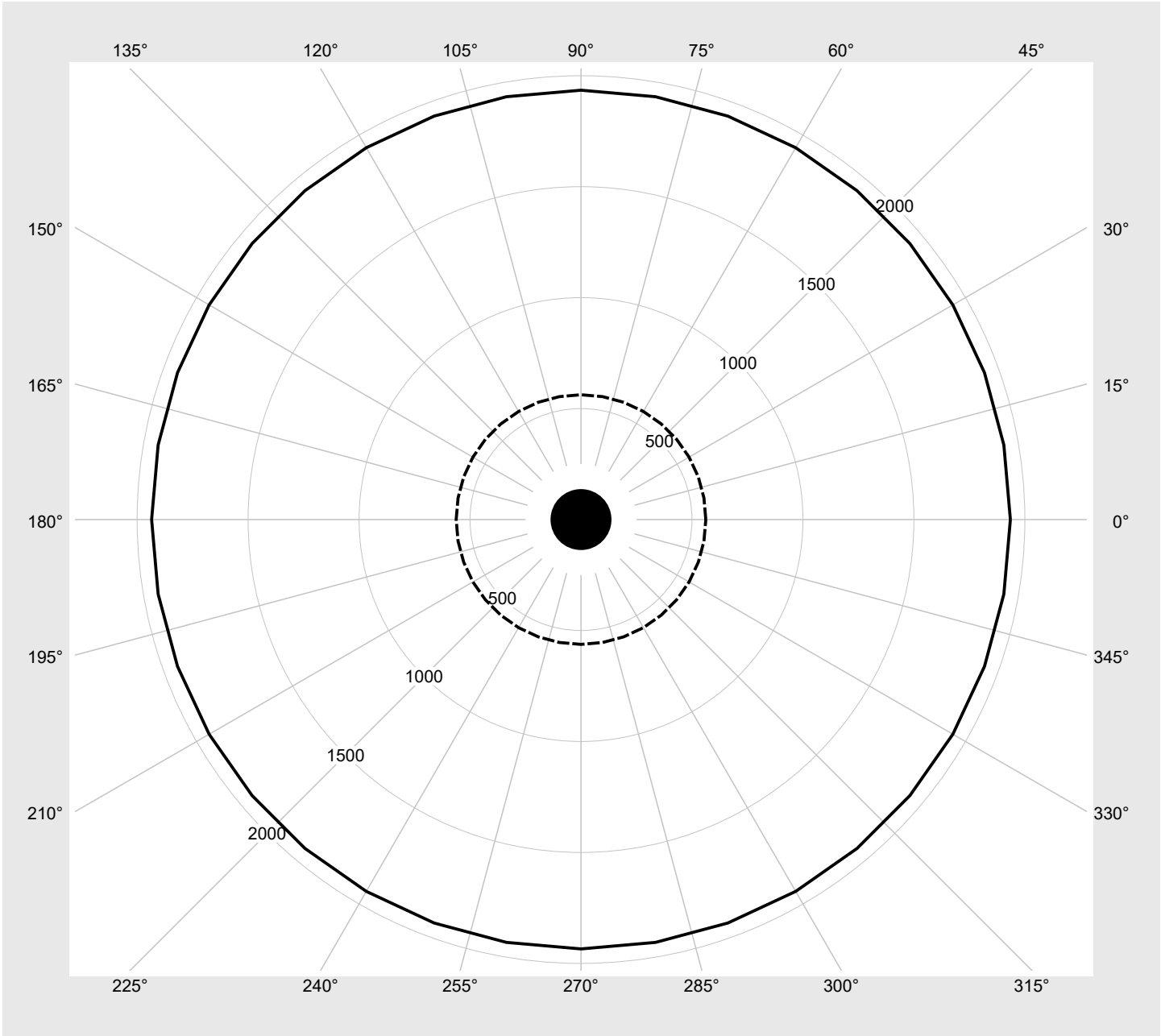
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 137
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C-planes	0°
γ	Luminance in cd/m²
45°	16422.4
50°	8876.7
55°	5256.3
60°	3584.0
65°	1934.7
70°	562.4
75°	16.9
80°	12.0
85°	25.1

Photometric test report

Family Lunis 21	Order number: 51DB15MD4C EAN: 4058352555200	LP number 59250_5
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Lunis 21	Order number: 51DB15MD4C EAN: 4058352555200	LP number 59250_5
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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	1700	13.8
2	OFF	ON	1420	11.0
1	ON	OFF	1350	10.5
0	OFF	OFF	1060	8.1