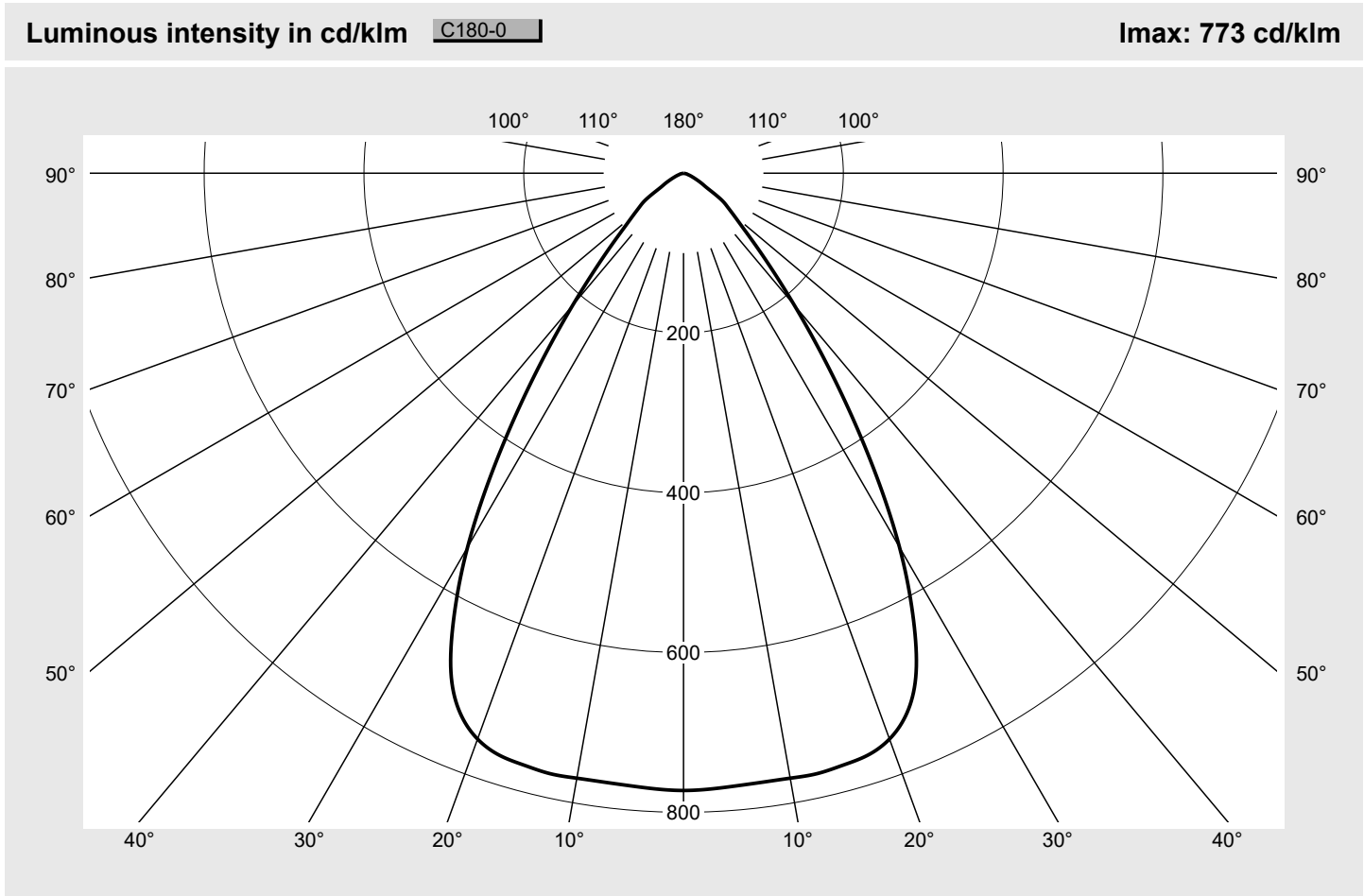


Photometric test report

Family Lunis 21	Order number: 51DB13MF13D1D EAN: 4069025446299	LP number 59836_35
Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical wide distribution, UGR≤22	serial documentation 13.10.2025
Lamps	LED 4000 K CRI ≥ 90	
Controlgear	ECG Multilumen	
Setting	factory setting: DIP-Step=1	
Rated values	Net luminous flux = 2580 lm Power consumption = 15.1 W Luminous efficacy = 170.9 lm/W	

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Classifications	Luminaire light output ratios
DIN 5040 CIE	η_{LB} ϕ_u ϕ_o
A 6 0 N1=85 N2=98 N3=100 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: 51DB13MF13D1D EAN: 4069025446299	LP number 59836_35
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
0,0°	772.7	1.2	1.2
2,5°	771.6	9.2	10.4
5,0°	769.7	18.4	28.8
7,5°	768.7	27.5	56.3
10,0°	769.0	36.6	92.9
12,5°	770.0	45.7	138.6
15,0°	767.5	54.5	193.0
17,5°	764.3	63.0	256.0
20,0°	753.8	70.7	326.7
22,5°	731.1	76.7	403.4
25,0°	688.9	79.8	483.2
27,5°	621.1	78.6	561.8
30,0°	540.7	74.1	635.9
32,5°	449.4	66.2	702.1
35,0°	359.9	56.6	758.7
37,5°	281.0	46.9	805.6
40,0°	215.9	38.0	843.7
42,5°	165.3	30.6	874.3
45,0°	127.6	24.7	899.0
47,5°	100.4	20.3	919.3
50,0°	82.6	17.3	936.6
52,5°	69.5	15.1	951.7
55,0°	57.4	12.9	964.6
57,5°	37.3	8.6	973.2
60,0°	27.9	6.6	979.9
62,5°	21.2	5.2	985.0
65,0°	15.7	3.9	988.9
67,5°	11.6	2.9	991.9
70,0°	8.6	2.2	994.1
72,5°	5.8	1.5	995.6
75,0°	4.6	1.2	996.8
77,5°	3.9	1.0	997.9
80,0°	3.1	0.8	998.7
82,5°	2.3	0.6	999.3
85,0°	1.6	0.4	999.8
87,5°	0.8	0.2	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB13MF13D1D EAN: 4069025446299							LP number 59836_35	
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	18.9	20.2	19.3	20.5	20.9	18.9	20.2	19.3	20.5	20.9
	3H	18.9	20.1	19.3	20.4	20.8	18.9	20.1	19.3	20.4	20.8
	4H	18.9	19.9	19.3	20.3	20.7	18.9	19.9	19.3	20.3	20.7
	6H	18.9	19.8	19.3	20.2	20.6	18.9	19.8	19.3	20.2	20.6
	8H	18.9	19.7	19.4	20.1	20.5	18.9	19.7	19.4	20.1	20.5
	12H	18.9	19.7	19.4	20.1	20.5	18.9	19.7	19.4	20.1	20.5
4H	2H	18.9	19.9	19.3	20.3	20.7	18.9	19.9	19.3	20.3	20.7
	3H	18.9	19.8	19.3	20.1	20.6	18.9	19.8	19.3	20.1	20.6
	4H	18.9	19.6	19.3	20.0	20.5	18.9	19.6	19.3	20.0	20.5
	6H	18.8	19.5	19.3	19.9	20.4	18.8	19.5	19.3	19.9	20.4
	8H	18.8	19.4	19.3	19.9	20.3	18.8	19.4	19.3	19.9	20.3
	12H	18.9	19.3	19.3	19.8	20.3	18.9	19.3	19.3	19.8	20.3
8H	4H	18.8	19.4	19.2	19.8	20.3	18.8	19.4	19.2	19.8	20.3
	6H	18.7	19.2	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.2
	8H	18.7	19.1	19.2	19.6	20.2	18.7	19.1	19.2	19.6	20.2
	12H	18.8	19.1	19.3	19.6	20.1	18.8	19.1	19.3	19.6	20.1
12H	4H	18.8	19.3	19.3	19.7	20.2	18.8	19.3	19.3	19.7	20.2
	6H	18.7	19.1	19.3	19.6	20.1	18.7	19.1	19.3	19.6	20.1
	8H	18.7	19.1	19.3	19.6	20.1	18.7	19.1	19.3	19.6	20.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 182
C-planes	0°		
γ	Luminance in cd/m²		
45,0°	17898.1		
50,0°	12740.0		
55,0°	9916.4		
60,0°	5538.7		
65,0°	3687.4		
70,0°	2496.0		
75,0°	1764.1		
80,0°	1772.1		
85,0°	1821.7		

Photometric test report

Family
Lunis 21

Order number: 51DB13MF13D1D
EAN: 4069025446299

LP number
59836_35

Luminance values in cd/m²

γ 65°

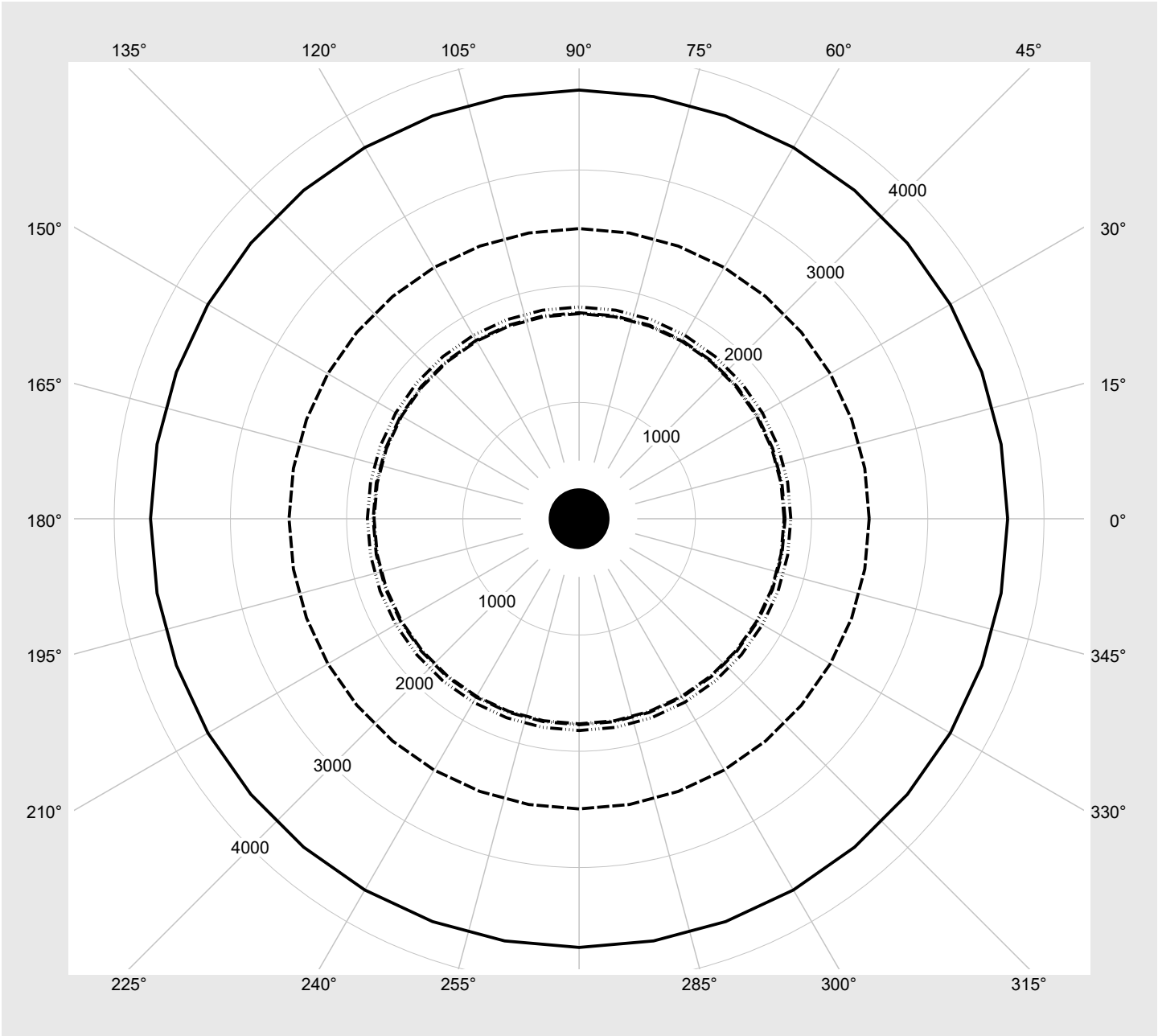
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB13MF13D1D EAN: 4069025446299	LP number 59836_35
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	4390	26.4
6	ON	ON	OFF	4100	24.5
5	ON	OFF	ON	3800	22.8
4	ON	OFF	OFF	3500	20.8
3	OFF	ON	ON	3200	18.9
2	OFF	ON	OFF	2890	16.9
1	OFF	OFF	ON	2580	15.1
0	OFF	OFF	OFF	2270	13.3