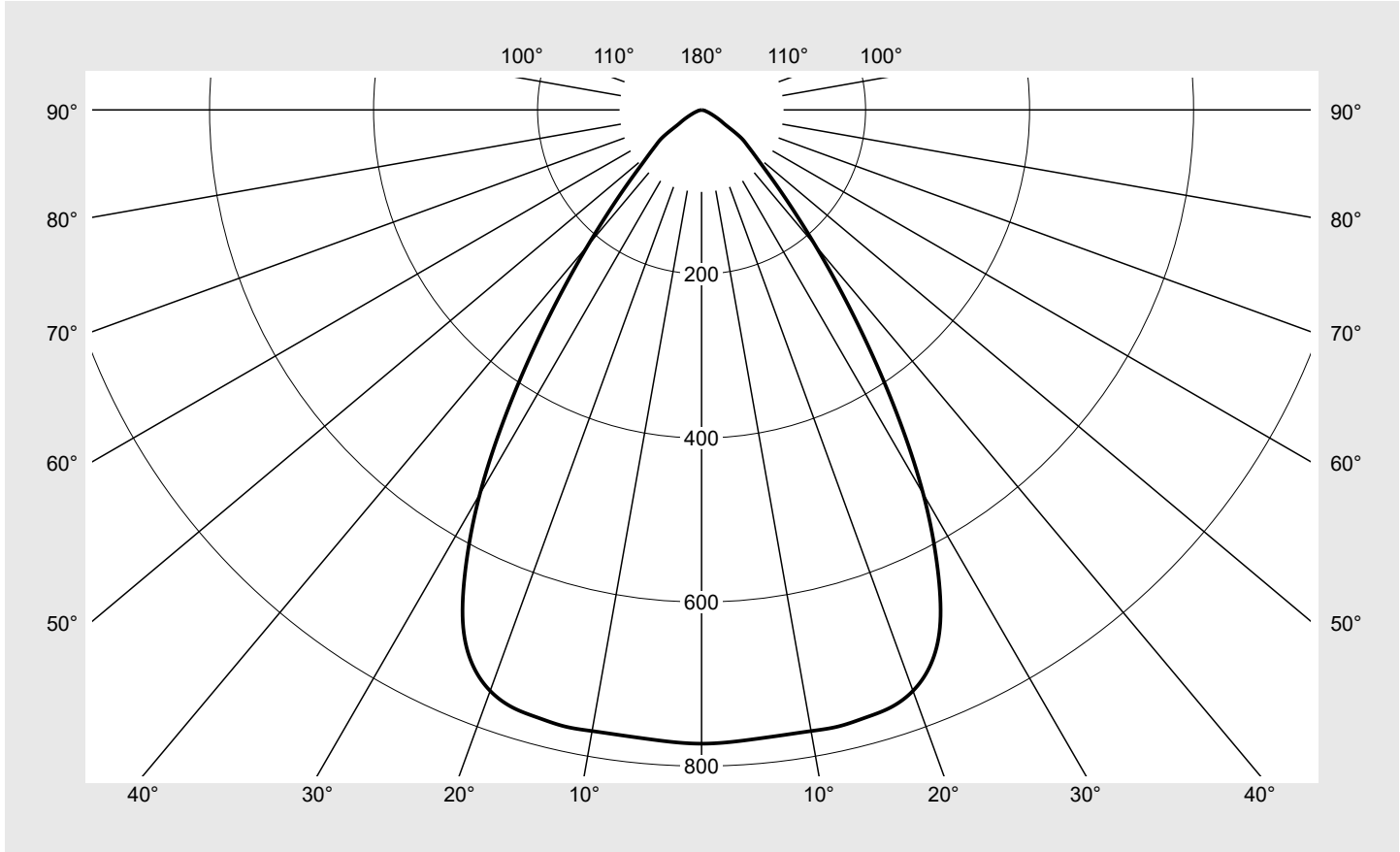


# Photometric test report

<b>Family</b> <b>Lunis 21</b>	<b>Order number: 51DB13MF11D1D</b> <b>EAN: 4069025446275</b>	<b>LP number</b> <b>59834_45</b>
	<b>Version</b> recessed luminaire, Combined lens and reflector optics, reflector, aluminium, highly specular, rotationally symmetrical wide distribution, UGR≤22	<b>serial documentation</b> 13.10.2025
	<b>Lamps</b> LED 4000 K   CRI ≥ 90 <b>Controlgear</b> ECG Multilumen <b>Setting</b> factory setting: DIP-Step=1 <b>Rated values</b> Net luminous flux = 2550 lm Power consumption = 15.1 W Luminous efficacy = 168.9 lm/W	

**Luminous intensity in cd/klm** C180-0 **Imax: 773 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=85 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> Lunis 21	<b>Order number: 51DB13MF11D1D</b> <b>EAN: 4069025446275</b>	<b>LP number</b> 59834_45
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**sitEco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	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

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	18.9	20.2	19.3	20.5	20.8	18.9	20.2	19.3	20.5	20.8
	3H	18.9	20.0	19.3	20.4	20.7	18.9	20.0	19.3	20.4	20.7
	4H	18.9	19.9	19.3	20.3	20.6	18.9	19.9	19.3	20.3	20.6
	6H	18.8	19.8	19.2	20.1	20.5	18.8	19.8	19.2	20.1	20.5
	8H	18.9	19.7	19.3	20.1	20.5	18.9	19.7	19.3	20.1	20.5
	12H	18.9	19.6	19.3	20.0	20.4	18.9	19.6	19.3	20.0	20.4
4H	2H	18.9	19.9	19.2	20.2	20.6	18.9	19.9	19.2	20.2	20.6
	3H	18.9	19.7	19.3	20.1	20.5	18.9	19.7	19.3	20.1	20.5
	4H	18.8	19.6	19.3	20.0	20.4	18.8	19.6	19.3	20.0	20.4
	6H	18.8	19.4	19.3	19.9	20.3	18.8	19.4	19.3	19.9	20.3
	8H	18.8	19.4	19.3	19.8	20.3	18.8	19.4	19.3	19.8	20.3
	12H	18.8	19.3	19.3	19.7	20.2	18.8	19.3	19.3	19.7	20.2
8H	4H	18.7	19.3	19.2	19.8	20.2	18.7	19.3	19.2	19.8	20.2
	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	20.1	18.7	19.1	19.2	19.6	20.1
	12H	18.7	19.0	19.2	19.5	20.1	18.7	19.0	19.2	19.5	20.1
12H	4H	18.7	19.2	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.2
	6H	18.7	19.1	19.2	19.6	20.1	18.7	19.1	19.2	19.6	20.1
	8H	18.7	19.0	19.2	19.5	20.1	18.7	19.0	19.2	19.5	20.1

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 182</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	17690.0
50,0°	12591.8
55,0°	9801.0
60,0°	5474.3
65,0°	3644.6
70,0°	2466.9
75,0°	1743.6
80,0°	1751.5
85,0°	1800.5

**Photometric test report**

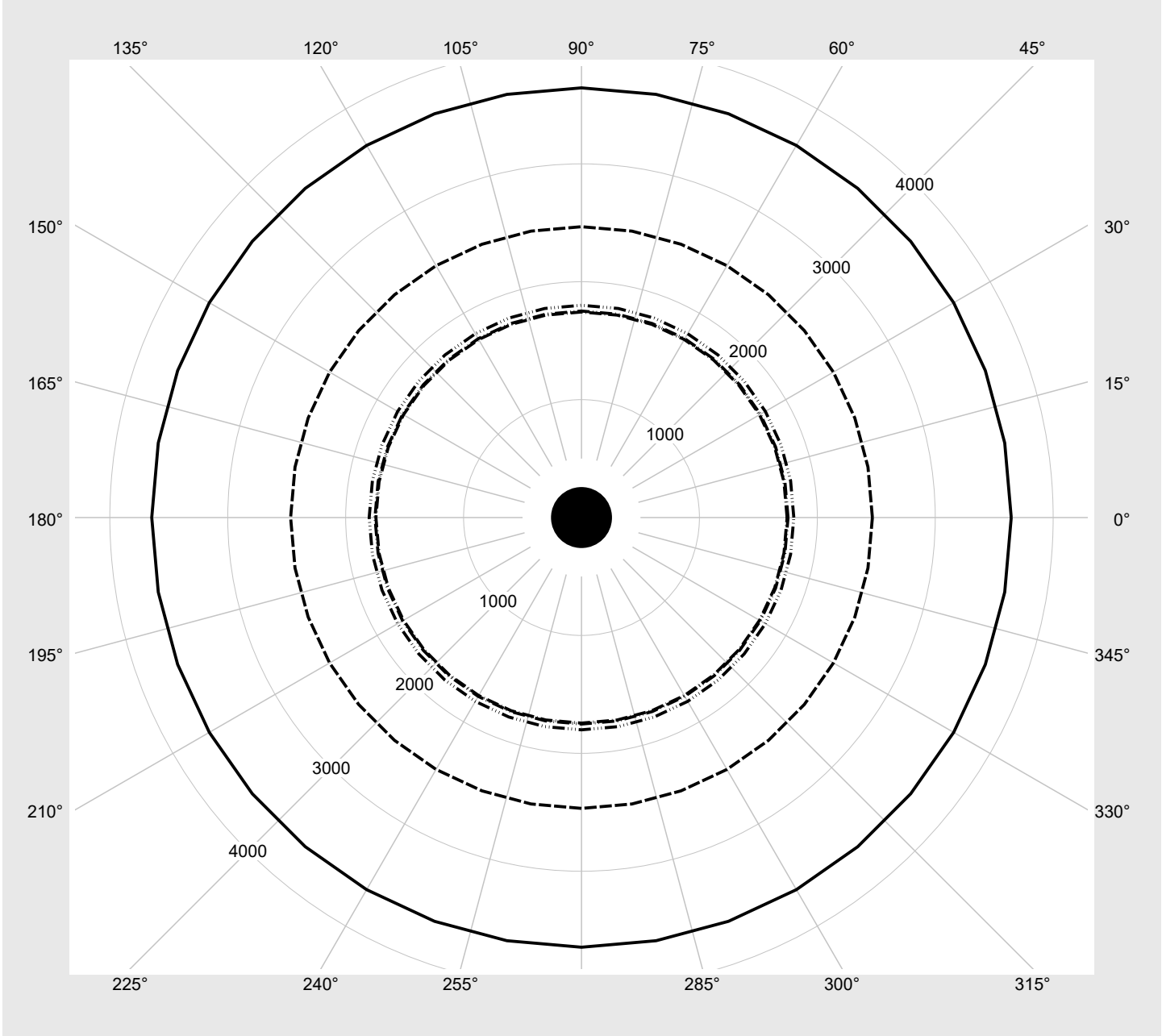
**Family**  
Lunis 21

**Order number: 51DB13MF11D1D**  
**EAN: 4069025446275**

**LP number**  
59834\_45

**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°



### Photometric test report

Family <b>Lunis 21</b>	Order number: <b>51DB13MF11D1D</b> EAN: <b>4069025446275</b>	LP number <b>59834_45</b>
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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	4330	26.4
6	ON	ON	OFF	4040	24.5
5	ON	OFF	ON	3750	22.8
4	ON	OFF	OFF	3460	20.8
3	OFF	ON	ON	3160	18.9
2	OFF	ON	OFF	2860	16.9
1	OFF	OFF	ON	2550	15.1
0	OFF	OFF	OFF	2240	13.3