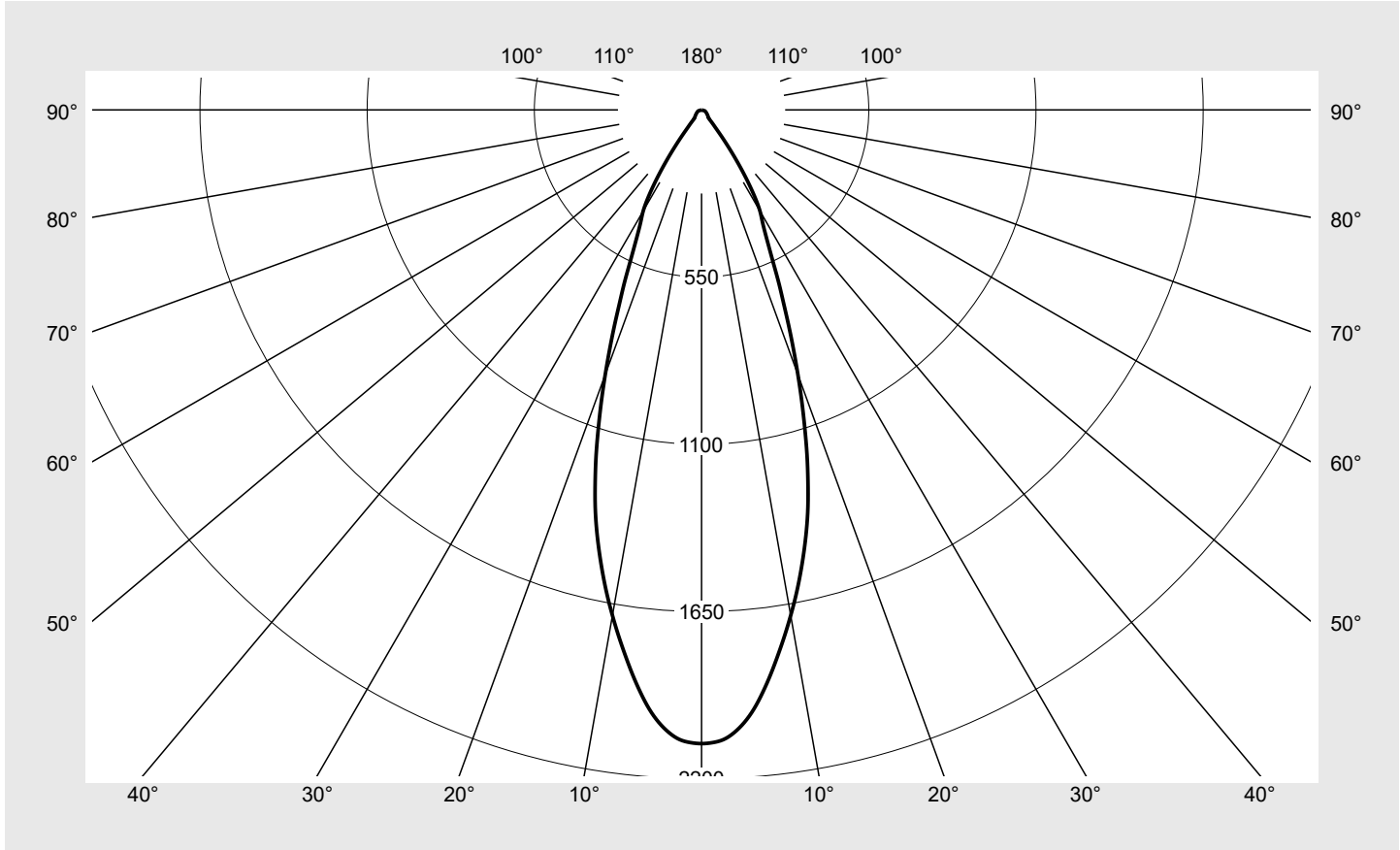


### Photometric test report

<b>Family</b> <b>Spot 21 Modario®</b>	<b>Order number: 51SM14MB11D2C</b> <b>EAN: 4069025531544</b>	<b>LP number</b> <b>59886_14</b>
	<b>Version</b> reflector, cover, polycarbonate, rotationally symmetrical wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 90 <b>Controlgear</b> ECG Multilumen <b>Setting</b> factory setting: DIP-Step=9 <b>Rated values</b> Net luminous flux = 4050 lm Power consumption = 28.8 W Luminous efficacy = 140.6 lm/W	<b>serial documentation</b> <b>21.05.2026</b>

siteco

**Luminous intensity in cd/klm** C180-0 **Imax: 2084 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=93 N2=97 N3=99 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

Family <b>Spot 21 Modario®</b>	Order number: <b>51SM14MB11D2C</b> EAN: <b>4069025531544</b>	LP number <b>59886_14</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	2084.2	0.5	0.5
1°	2081.2	4.0	4.5
2°	2072.1	7.9	12.4
3°	2050.8	11.8	24.2
4°	2019.3	15.4	39.6
5°	1977.7	18.9	58.5
6°	1925.9	22.1	80.6
7°	1869.1	25.0	105.6
8°	1809.3	27.6	133.2
9°	1749.4	30.0	163.2
10°	1688.5	32.2	195.4
11°	1626.6	34.0	229.4
12°	1561.7	35.6	265.0
13°	1494.7	36.9	301.9
14°	1425.7	37.8	339.7
15°	1351.6	38.4	378.1
16°	1269.4	38.4	416.4
17°	1186.2	38.0	454.5
18°	1097.9	37.2	491.7
19°	1011.8	36.1	527.8
20°	926.4	34.7	562.5
21°	843.7	33.2	595.7
22°	765.0	31.4	627.1
23°	690.3	29.6	656.7
24°	626.6	27.9	684.6
25°	563.1	26.1	710.7
26°	510.4	24.5	735.3
27°	467.8	23.3	758.6
28°	433.7	22.3	780.9
29°	407.7	21.7	802.6
30°	384.1	21.1	823.6
31°	352.2	19.9	843.5
32°	313.7	18.2	861.7
33°	272.0	16.2	878.0
34°	229.5	14.1	892.1
35°	187.4	11.8	903.9
36°	146.9	9.5	913.3
37°	109.3	7.2	920.5
38°	76.0	5.1	925.7
39°	57.5	4.0	929.6
40°	39.2	2.8	932.4
41°	36.2	2.6	935.0
42°	33.7	2.5	937.5
43°	32.3	2.4	939.9
44°	31.1	2.4	942.3
45°	29.8	2.3	944.6
46°	28.8	2.3	946.8

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	27.8	2.2	949.1
48°	26.8	2.2	951.3
49°	25.9	2.1	953.4
50°	24.9	2.1	955.5
51°	24.0	2.0	957.5
52°	23.1	2.0	959.5
53°	22.3	2.0	961.5
54°	21.5	1.9	963.4
55°	20.8	1.9	965.3
56°	20.0	1.8	967.1
57°	19.4	1.8	968.9
58°	18.7	1.7	970.6
59°	18.1	1.7	972.3
60°	17.5	1.7	974.0
61°	17.0	1.6	975.6
62°	16.4	1.6	977.2
63°	15.9	1.6	978.8
64°	15.4	1.5	980.3
65°	14.9	1.5	981.8
66°	14.4	1.4	983.2
67°	13.9	1.4	984.6
68°	13.4	1.4	986.0
69°	12.9	1.3	987.3
70°	12.4	1.3	988.6
71°	11.9	1.2	989.8
72°	11.4	1.2	991.0
73°	10.9	1.1	992.1
74°	10.4	1.1	993.2
75°	9.7	1.0	994.3
76°	9.0	1.0	995.2
77°	7.5	0.8	996.0
78°	6.3	0.7	996.7
79°	5.7	0.6	997.3
80°	5.0	0.5	997.9
81°	4.4	0.5	998.3
82°	3.8	0.4	998.7
83°	3.2	0.3	999.1
84°	2.6	0.3	999.4
85°	2.1	0.2	999.6
86°	1.6	0.2	999.8
87°	1.1	0.1	999.9
88°	0.7	0.1	1000.0
89°	0.2	0.0	1000.0
90°	0.1	0.0	1000.0

## Photometric test report

Family <b>Spot 21 Modario®</b>	Order number: <b>51SM14MB11D2C</b> EAN: <b>4069025531544</b>	LP number <b>59886_14</b>
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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	20.6	21.7	21.0	22.0	22.3	20.6	21.7	21.0	22.0	22.3
	3H	21.3	22.2	21.7	22.6	22.9	21.3	22.2	21.7	22.6	22.9
	4H	21.7	22.6	22.1	22.9	23.3	21.7	22.6	22.1	22.9	23.3
	6H	22.0	22.7	22.4	23.1	23.5	22.0	22.7	22.4	23.1	23.5
	8H	22.1	22.8	22.6	23.2	23.6	22.1	22.8	22.6	23.2	23.6
	12H	22.2	22.7	22.6	23.1	23.6	22.2	22.7	22.6	23.1	23.6
4H	2H	20.7	21.6	21.1	22.0	22.3	20.7	21.6	21.1	22.0	22.3
	3H	21.6	22.4	22.1	22.8	23.2	21.6	22.4	22.1	22.8	23.2
	4H	22.2	22.8	22.6	23.3	23.7	22.2	22.8	22.6	23.3	23.7
	6H	22.5	23.1	23.0	23.5	24.0	22.5	23.1	23.0	23.5	24.0
	8H	22.7	23.2	23.2	23.6	24.1	22.7	23.2	23.2	23.6	24.1
	12H	22.8	23.2	23.3	23.6	24.1	22.8	23.2	23.3	23.6	24.1
8H	4H	22.4	22.9	22.9	23.3	23.8	22.4	22.9	22.9	23.3	23.8
	6H	22.8	23.2	23.3	23.7	24.2	22.8	23.2	23.3	23.7	24.2
	8H	23.0	23.3	23.5	23.8	24.3	23.0	23.3	23.5	23.8	24.3
	12H	23.1	23.4	23.6	23.9	24.4	23.1	23.4	23.6	23.9	24.4
12H	4H	22.4	22.8	22.9	23.3	23.8	22.4	22.8	22.9	23.3	23.8
	6H	22.8	23.2	23.4	23.6	24.2	22.8	23.2	23.4	23.6	24.2
	8H	23.0	23.3	23.5	23.8	24.3	23.0	23.3	23.5	23.8	24.3

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 85</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m²</b>
45°	30081.7
50°	27615.5
55°	25870.9
60°	24971.6
65°	25208.8
70°	25896.9
75°	26881.1
80°	20711.0
85°	17131.4

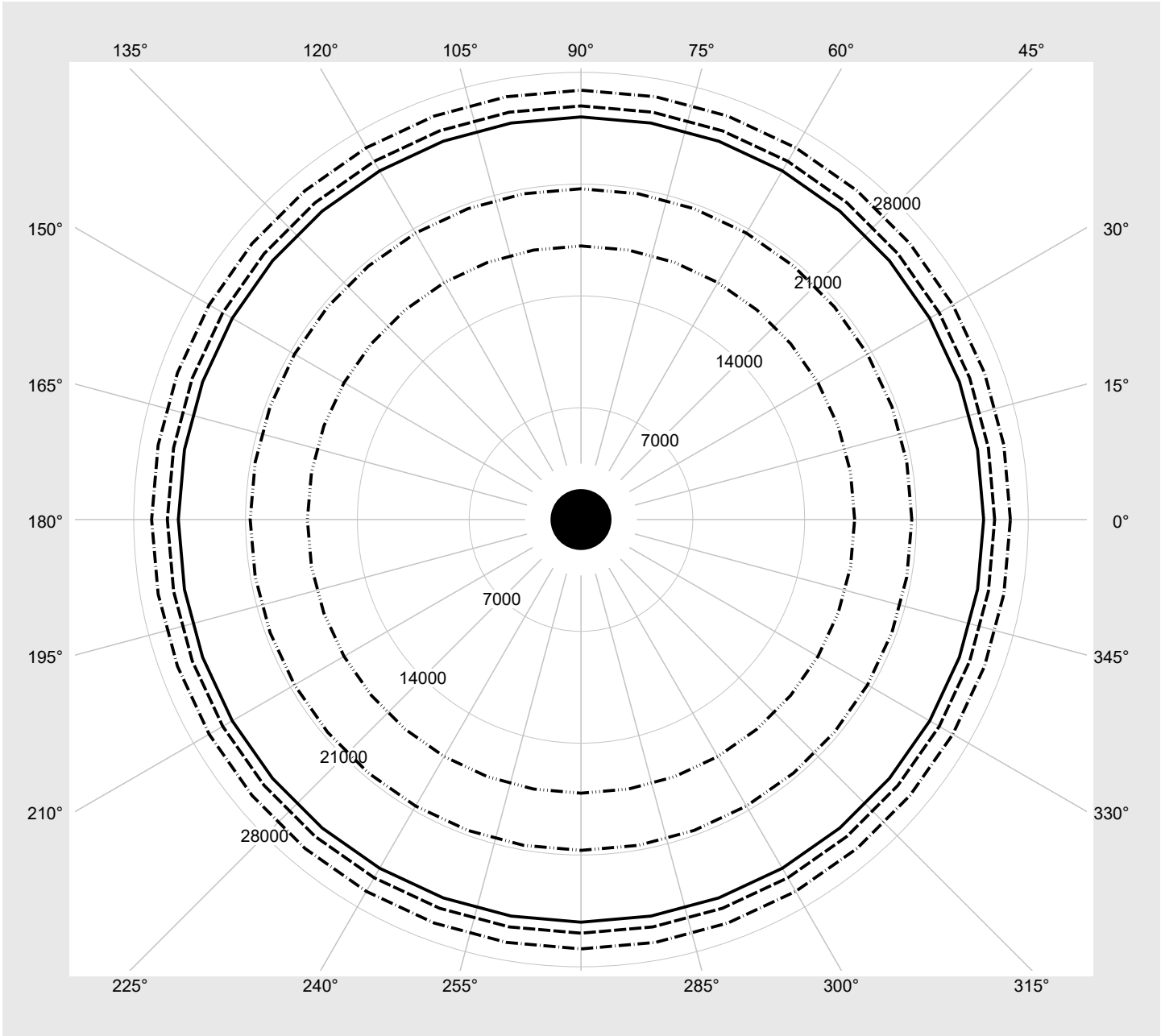
**Photometric test report**

<b>Family</b> Spot 21 Modario®	<b>Order number: 51SM14MB11D2C</b> <b>EAN: 4069025531544</b>	<b>LP number</b> 59886_14
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**Luminance values in cd/m<sup>2</sup>**

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



## Photometric test report

Family <b>Spot 21 Modario®</b>	Order number: <b>51SM14MB11D2C</b> EAN: <b>4069025531544</b>	LP number <b>59886_14</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	4		
15	ON	ON	ON	ON	5300	40.6
14	ON	ON	ON	OFF	5110	38.6
13	ON	ON	OFF	ON	4920	36.8
12	ON	ON	OFF	OFF	4710	34.8
11	ON	OFF	ON	ON	4490	32.7
10	ON	OFF	ON	OFF	4270	30.7
9	ON	OFF	OFF	ON	4050	28.8
8	ON	OFF	OFF	OFF	3830	26.8
7	OFF	ON	ON	ON	3520	24.4
6	OFF	ON	ON	OFF	3280	22.4
5	OFF	ON	OFF	ON	3030	20.6
4	OFF	ON	OFF	OFF	2780	18.7
3	OFF	OFF	ON	ON	2500	16.6
2	OFF	OFF	ON	OFF	2240	14.8
1	OFF	OFF	OFF	ON	1980	13.0
0	OFF	OFF	OFF	OFF	1720	11.2