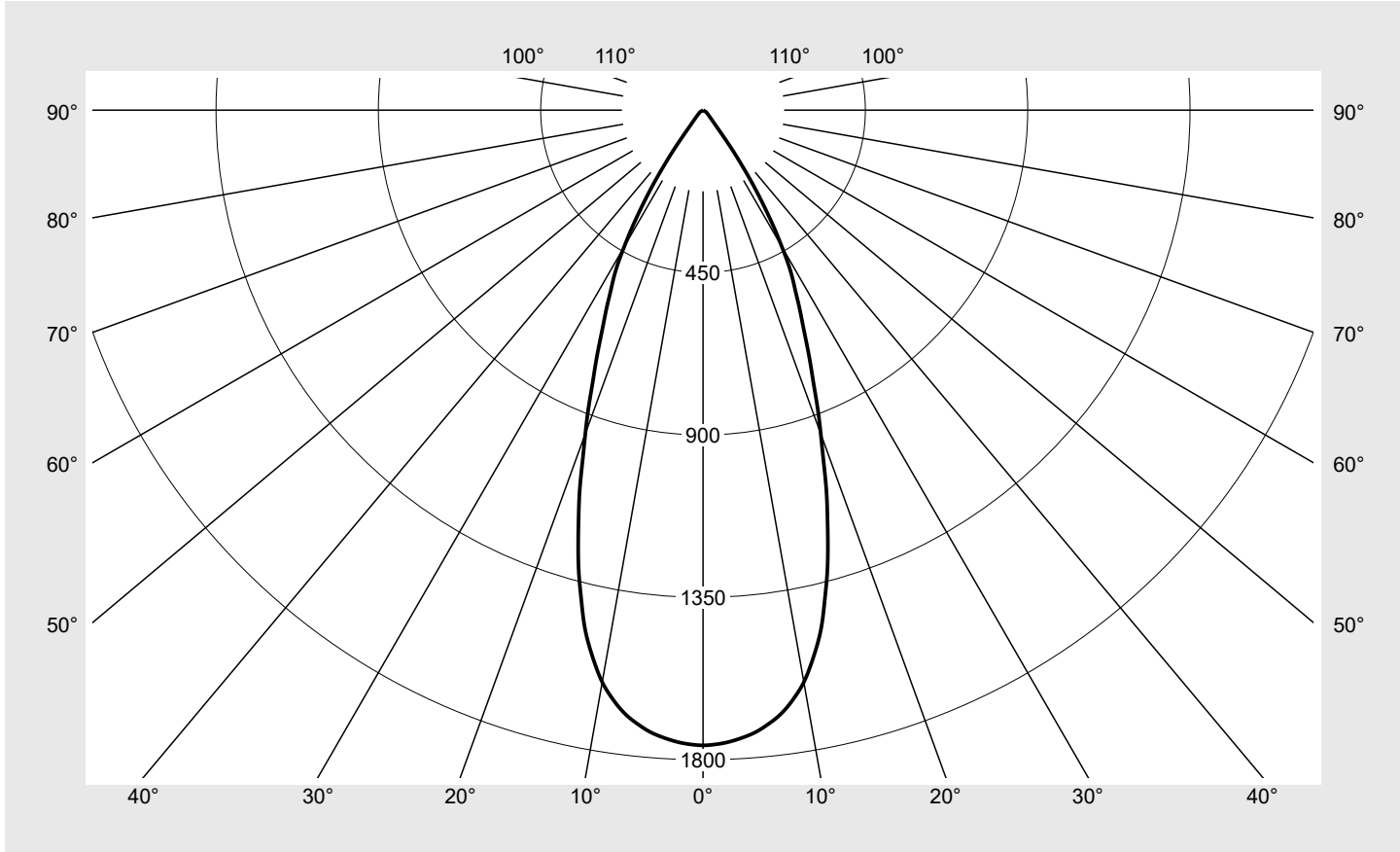


# Photometric test report

<b>Family</b> Spot 21	<b>Order number: 51SE64MBA5B</b> <b>EAN: 4058352769935</b>	<b>LP number</b> 59386_12
<b>Version</b>	reflector, cover panel, PC, wide distribution	<b>serial documentation</b> 27.02.2023
<b>Lamps</b>	LED 2700 K   CRI ≥ 90	
<b>Controlgear</b>	ECG Multilumen	
<b>Setting</b>	factory setting: DIP-Step=14	
<b>Rated values</b>	Net luminous flux = 5130 lm Power consumption = 39.8 W Luminous efficacy = 128.9 lm/W	



**Luminous intensity in cd/klm** C180-0 **Imax: 1760 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=96 N2=99 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> <b>Spot 21</b>	<b>Order number: 51SE64MBA5B</b> <b>EAN: 4058352769935</b>	<b>LP number</b> <b>59386_12</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°	1760.1	0.4	0.4
1°	1758.2	3.4	3.8
2°	1754.1	6.7	10.5
3°	1747.3	10.0	20.5
4°	1738.6	13.3	33.8
5°	1727.5	16.5	50.3
6°	1712.0	19.6	70.0
7°	1694.4	22.6	92.6
8°	1671.3	25.5	118.1
9°	1642.7	28.2	146.3
10°	1609.5	30.6	176.9
11°	1565.8	32.8	209.7
12°	1518.0	34.6	244.3
13°	1463.5	36.1	280.4
14°	1395.9	37.0	317.5
15°	1329.8	37.7	355.2
16°	1255.6	38.0	393.1
17°	1179.7	37.8	431.0
18°	1106.2	37.5	468.5
19°	1025.0	36.6	505.0
20°	954.0	35.8	540.8
21°	887.6	34.9	575.7
22°	818.8	33.6	609.3
23°	761.0	32.6	642.0
24°	704.7	31.4	673.4
25°	653.5	30.3	703.7
26°	609.7	29.3	733.0
27°	565.7	28.2	761.1
28°	528.8	27.2	788.4
29°	487.3	25.9	814.3
30°	436.9	24.0	838.2
31°	388.6	21.9	860.2
32°	338.1	19.6	879.8
33°	288.5	17.2	897.1
34°	242.2	14.9	911.9
35°	194.7	12.2	924.2
36°	154.7	10.0	934.1
37°	117.6	7.8	941.9
38°	85.4	5.8	947.6
39°	64.8	4.5	952.1
40°	52.3	3.7	955.8
41°	44.6	3.2	959.0
42°	38.1	2.8	961.8
43°	33.3	2.5	964.3
44°	29.9	2.3	966.6
45°	26.7	2.1	968.6
46°	24.0	1.9	970.5

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	21.9	1.8	972.3
48°	19.9	1.6	973.9
49°	18.3	1.5	975.4
50°	16.9	1.4	976.9
51°	15.6	1.3	978.2
52°	14.5	1.2	979.4
53°	13.4	1.2	980.6
54°	12.4	1.1	981.7
55°	11.7	1.1	982.8
56°	11.0	1.0	983.8
57°	10.3	1.0	984.7
58°	9.8	0.9	985.6
59°	9.2	0.9	986.5
60°	8.8	0.8	987.3
61°	8.4	0.8	988.1
62°	8.0	0.8	988.9
63°	7.6	0.7	989.6
64°	7.3	0.7	990.4
65°	7.0	0.7	991.0
66°	6.7	0.7	991.7
67°	6.4	0.6	992.4
68°	6.1	0.6	993.0
69°	5.9	0.6	993.6
70°	5.6	0.6	994.2
71°	5.4	0.6	994.7
72°	5.2	0.5	995.3
73°	4.9	0.5	995.8
74°	4.7	0.5	996.3
75°	4.5	0.5	996.8
76°	4.2	0.4	997.2
77°	4.0	0.4	997.6
78°	3.8	0.4	998.0
79°	3.5	0.4	998.4
80°	3.2	0.3	998.8
81°	2.9	0.3	999.1
82°	2.5	0.3	999.3
83°	2.0	0.2	999.6
84°	1.6	0.2	999.7
85°	1.1	0.1	999.9
86°	0.8	0.1	999.9
87°	0.4	0.0	1000.0
88°	0.1	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0

## Photometric test report

Family Spot 21	Order number: 51SE64MBA5B EAN: 4058352769935	LP number 59386_12
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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	21.5	22.6	21.9	22.9	23.3	21.5	22.6	21.9	22.9	23.3
	3H	21.6	22.5	22.0	22.9	23.2	21.6	22.5	22.0	22.9	23.2
	4H	21.7	22.5	22.1	22.9	23.3	21.7	22.5	22.1	22.9	23.3
	6H	21.8	22.5	22.2	22.9	23.3	21.8	22.5	22.2	22.9	23.3
	8H	21.9	22.5	22.4	22.9	23.3	21.9	22.5	22.4	22.9	23.3
	12H	21.9	22.5	22.4	22.9	23.3	21.9	22.5	22.4	22.9	23.3
4H	2H	21.4	22.3	21.8	22.6	23.0	21.4	22.3	21.8	22.6	23.0
	3H	21.5	22.2	21.9	22.6	23.0	21.5	22.2	21.9	22.6	23.0
	4H	21.6	22.3	22.1	22.7	23.1	21.6	22.3	22.1	22.7	23.1
	6H	21.8	22.3	22.3	22.8	23.3	21.8	22.3	22.3	22.8	23.3
	8H	21.9	22.4	22.4	22.8	23.3	21.9	22.4	22.4	22.8	23.3
	12H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3
8H	4H	21.6	22.1	22.1	22.6	23.0	21.6	22.1	22.1	22.6	23.0
	6H	21.9	22.3	22.4	22.7	23.3	21.9	22.3	22.4	22.7	23.3
	8H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3
	12H	22.1	22.3	22.6	22.8	23.4	22.1	22.3	22.6	22.8	23.4
12H	4H	21.7	22.0	22.2	22.5	23.0	21.7	22.0	22.2	22.5	23.0
	6H	21.9	22.2	22.4	22.7	23.2	21.9	22.2	22.4	22.7	23.2
	8H	22.0	22.3	22.6	22.8	23.3	22.0	22.3	22.6	22.8	23.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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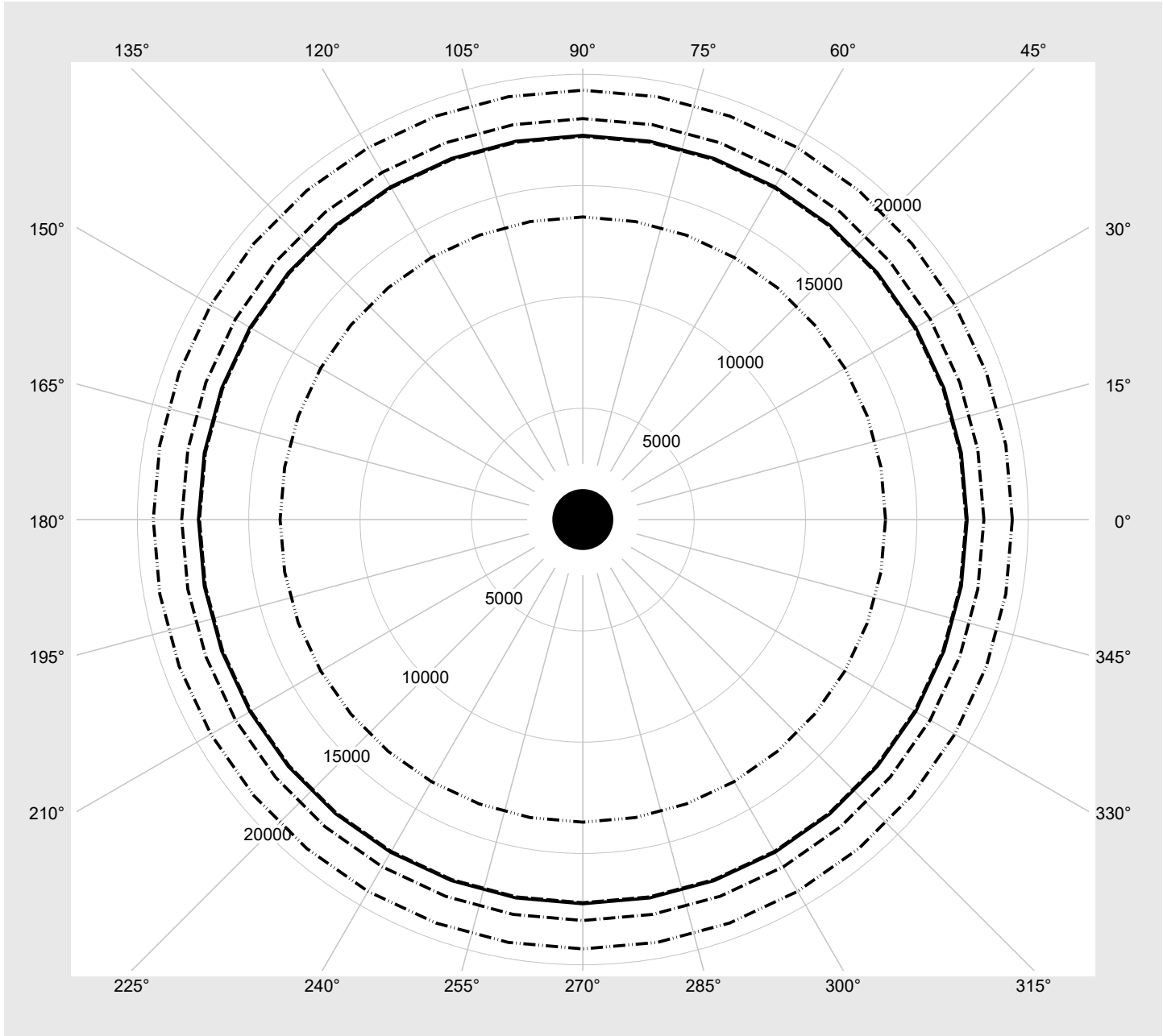
C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	39481.4
50°	27443.2
55°	21374.1
60°	18392.6
65°	17260.7
70°	17212.5
75°	18010.6
80°	19286.5
85°	13593.3

# Photometric test report

<b>Family</b> <b>Spot 21</b>	<b>Order number: 51SE64MBA5B</b> <b>EAN: 4058352769935</b>	<b>LP number</b> <b>59386_12</b>
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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</b>	Order number: <b>51SE64MBA5B</b> EAN: <b>4058352769935</b>	LP number <b>59386_12</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	5340	41.8
14	ON	ON	ON	OFF	5130	39.8
13	ON	ON	OFF	ON	4920	37.6
12	ON	ON	OFF	OFF	4700	35.5
11	ON	OFF	ON	ON	4460	33.6
10	ON	OFF	ON	OFF	4230	31.6
9	ON	OFF	OFF	ON	3990	29.6
8	ON	OFF	OFF	OFF	3740	27.6
7	OFF	ON	ON	ON	3540	25.8
6	OFF	ON	ON	OFF	3310	23.9
5	OFF	ON	OFF	ON	3060	21.9
4	OFF	ON	OFF	OFF	2800	20.0
3	OFF	OFF	ON	ON	2510	17.7
2	OFF	OFF	ON	OFF	2250	15.9
1	OFF	OFF	OFF	ON	1960	13.8
0	OFF	OFF	OFF	OFF	1680	12.0