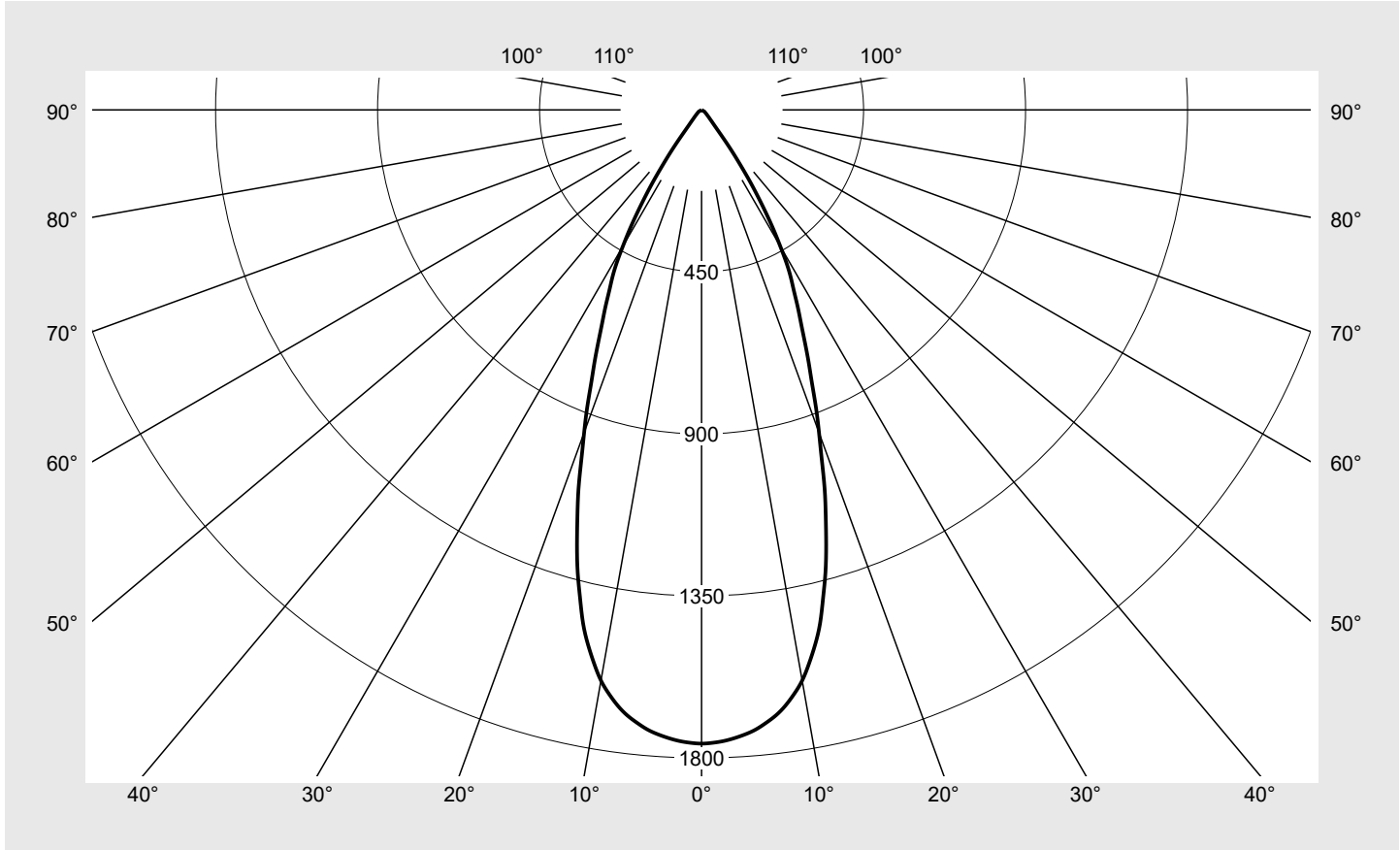


# Photometric test report

<b>Family</b> Spot 21	<b>Order number: 51SE34MBD5B</b> <b>EAN: 4058352716755</b>	<b>LP number</b> 59386_6
<b>Version</b>	reflector, cover panel, PC, wide distribution	<b>serial documentation</b> 14.02.2023
<b>Lamps</b>	LED 4000 K   CRI ≥ 90	
<b>Controlgear</b>	ECG Multilumen	
<b>Setting</b>	factory setting: DIP-Step=14	
<b>Rated values</b>	Net luminous flux = 5270 lm Power consumption = 39.5 W Luminous efficacy = 133.4 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: 51SE34MBD5B</b> <b>EAN: 4058352716755</b>	<b>LP number</b> <b>59386_6</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: 51SE34MBD5B EAN: 4058352716755	LP number 59386_6
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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	21.6	22.7	22.0	23.0	23.4	21.6	22.7	22.0	23.0	23.4
	3H	21.7	22.6	22.1	23.0	23.3	21.7	22.6	22.1	23.0	23.3
	4H	21.7	22.6	22.1	23.0	23.3	21.7	22.6	22.1	23.0	23.3
	6H	21.9	22.6	22.3	23.0	23.4	21.9	22.6	22.3	23.0	23.4
	8H	22.0	22.6	22.4	23.0	23.4	22.0	22.6	22.4	23.0	23.4
	12H	22.0	22.6	22.5	23.0	23.4	22.0	22.6	22.5	23.0	23.4
4H	2H	21.5	22.4	21.9	22.7	23.1	21.5	22.4	21.9	22.7	23.1
	3H	21.6	22.3	22.0	22.7	23.1	21.6	22.3	22.0	22.7	23.1
	4H	21.7	22.4	22.2	22.8	23.2	21.7	22.4	22.2	22.8	23.2
	6H	21.9	22.4	22.4	22.9	23.4	21.9	22.4	22.4	22.9	23.4
	8H	22.0	22.5	22.5	22.9	23.4	22.0	22.5	22.5	22.9	23.4
	12H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
8H	4H	21.7	22.2	22.2	22.6	23.1	21.7	22.2	22.2	22.6	23.1
	6H	22.0	22.4	22.5	22.8	23.4	22.0	22.4	22.5	22.8	23.4
	8H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
	12H	22.2	22.4	22.7	22.9	23.5	22.2	22.4	22.7	22.9	23.5
12H	4H	21.8	22.1	22.3	22.6	23.1	21.8	22.1	22.3	22.6	23.1
	6H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3
	8H	22.1	22.4	22.7	22.9	23.4	22.1	22.4	22.7	22.9	23.4

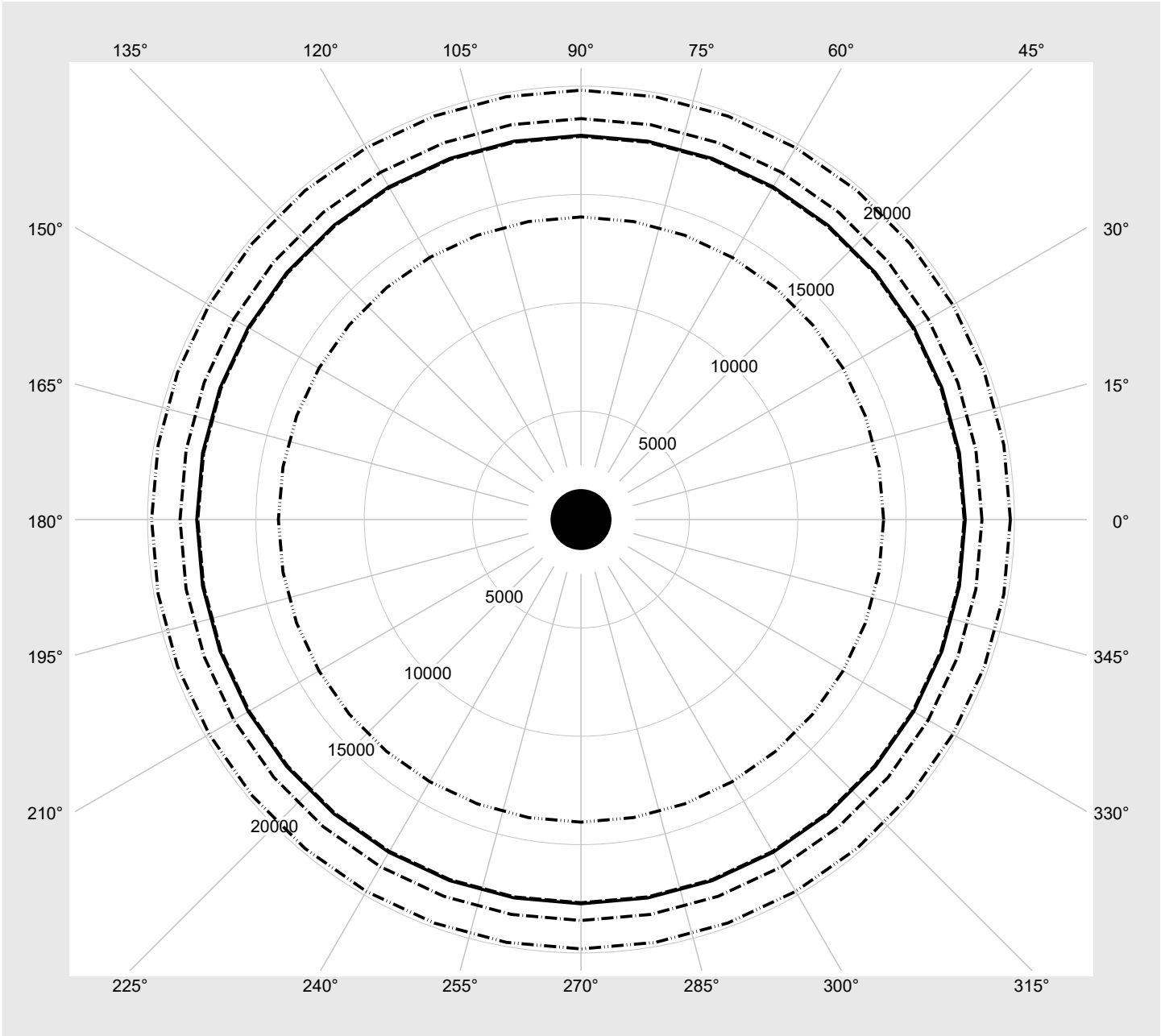
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	40558.9
50°	28192.1
55°	21957.4
60°	18894.6
65°	17731.7
70°	17682.2
75°	18502.1
80°	19812.8
85°	13964.2

**Photometric test report**

<b>Family</b> <b>Spot 21</b>	<b>Order number: 51SE34MBD5B</b> <b>EAN: 4058352716755</b>	<b>LP number</b> <b>59386_6</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>51SE34MBD5B</b> EAN: <b>4058352716755</b>	LP number <b>59386_6</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	5490	41.5
14	ON	ON	ON	OFF	5270	39.5
13	ON	ON	OFF	ON	5060	37.5
12	ON	ON	OFF	OFF	4840	35.5
11	ON	OFF	ON	ON	4580	33.4
10	ON	OFF	ON	OFF	4350	31.4
9	ON	OFF	OFF	ON	4100	29.4
8	ON	OFF	OFF	OFF	3850	27.3
7	OFF	ON	ON	ON	3650	25.8
6	OFF	ON	ON	OFF	3400	23.9
5	OFF	ON	OFF	ON	3140	21.9
4	OFF	ON	OFF	OFF	2890	20.0
3	OFF	OFF	ON	ON	2570	17.8
2	OFF	OFF	ON	OFF	2310	15.9
1	OFF	OFF	OFF	ON	2020	13.8
0	OFF	OFF	OFF	OFF	1740	12.0