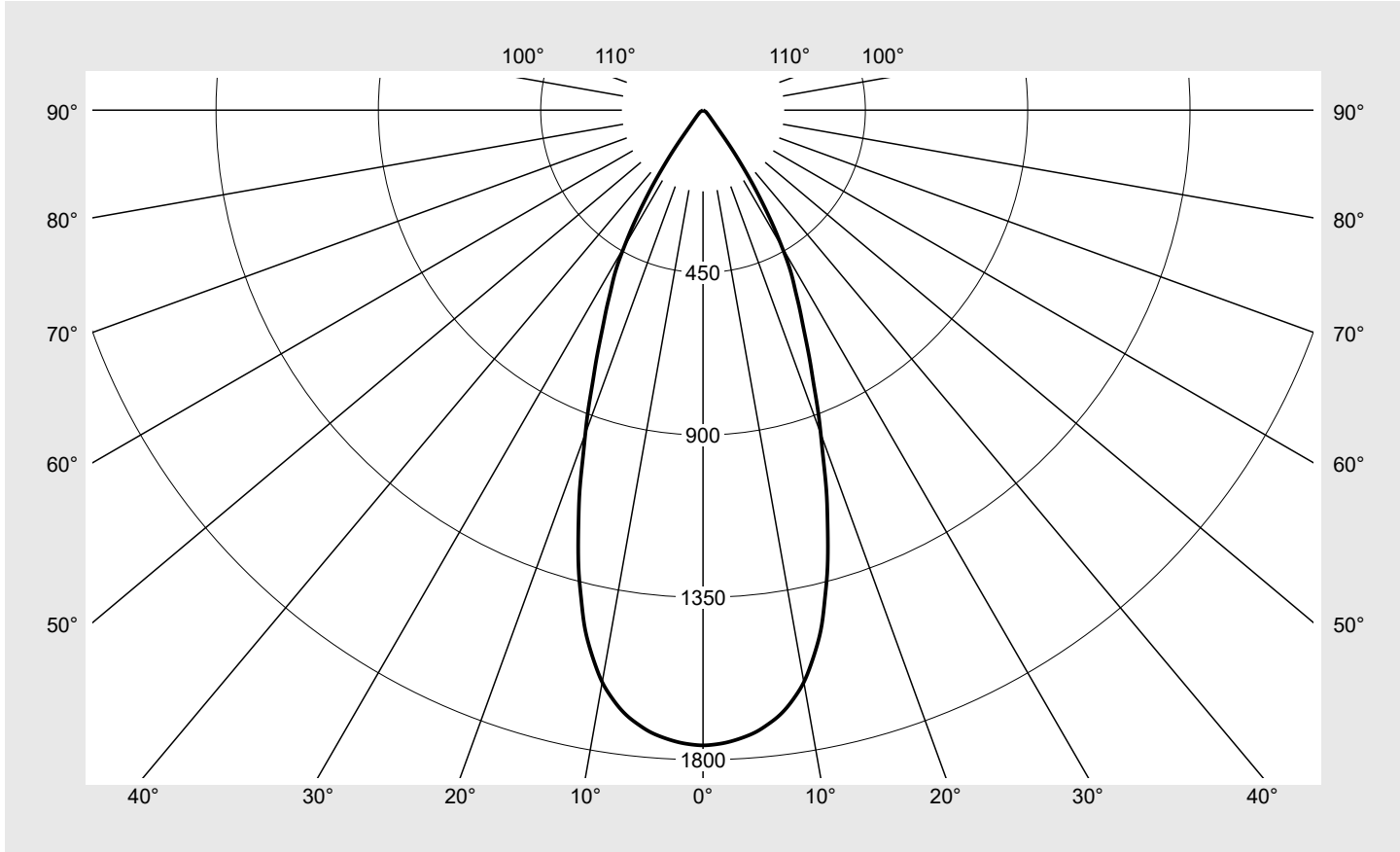


Photometric test report

Family Spot 21	Order number: 51SE34MBB5B EAN: 4058352716748	LP number 59386_5
Version	reflector, cover panel, PC, wide distribution	serial documentation 14.02.2023
Lamps	LED 3000 K CRI ≥ 90	
Controlgear	ECG Multilumen	
Setting	factory setting: DIP-Step=14	
Rated values	Net luminous flux = 5110 lm Power consumption = 39.6 W Luminous efficacy = 129 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	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Spot 21	Order number: 51SE34MBB5B EAN: 4058352716748	LP number 59386_5
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	Phi-zone	Total Phi-zone
γ	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
γ	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: 51SE34MBB5B EAN: 4058352716748	LP number 59386_5
-------------------	---	----------------------

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	21.5	22.6	21.9	22.9	23.2	21.5	22.6	21.9	22.9	23.2
	3H	21.6	22.5	22.0	22.9	23.2	21.6	22.5	22.0	22.9	23.2
	4H	21.6	22.5	22.0	22.9	23.2	21.6	22.5	22.0	22.9	23.2
	6H	21.7	22.5	22.2	22.9	23.3	21.7	22.5	22.2	22.9	23.3
	8H	21.9	22.5	22.3	22.9	23.3	21.9	22.5	22.3	22.9	23.3
	12H	21.9	22.4	22.3	22.8	23.3	21.9	22.4	22.3	22.8	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	23.2	21.8	22.3	22.3	22.8	23.2
	8H	21.9	22.3	22.4	22.8	23.3	21.9	22.3	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	22.5	23.0	21.6	22.1	22.1	22.5	23.0
	6H	21.9	22.3	22.4	22.7	23.2	21.9	22.3	22.4	22.7	23.2
	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	22.1	22.5	23.0	21.7	22.0	22.1	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

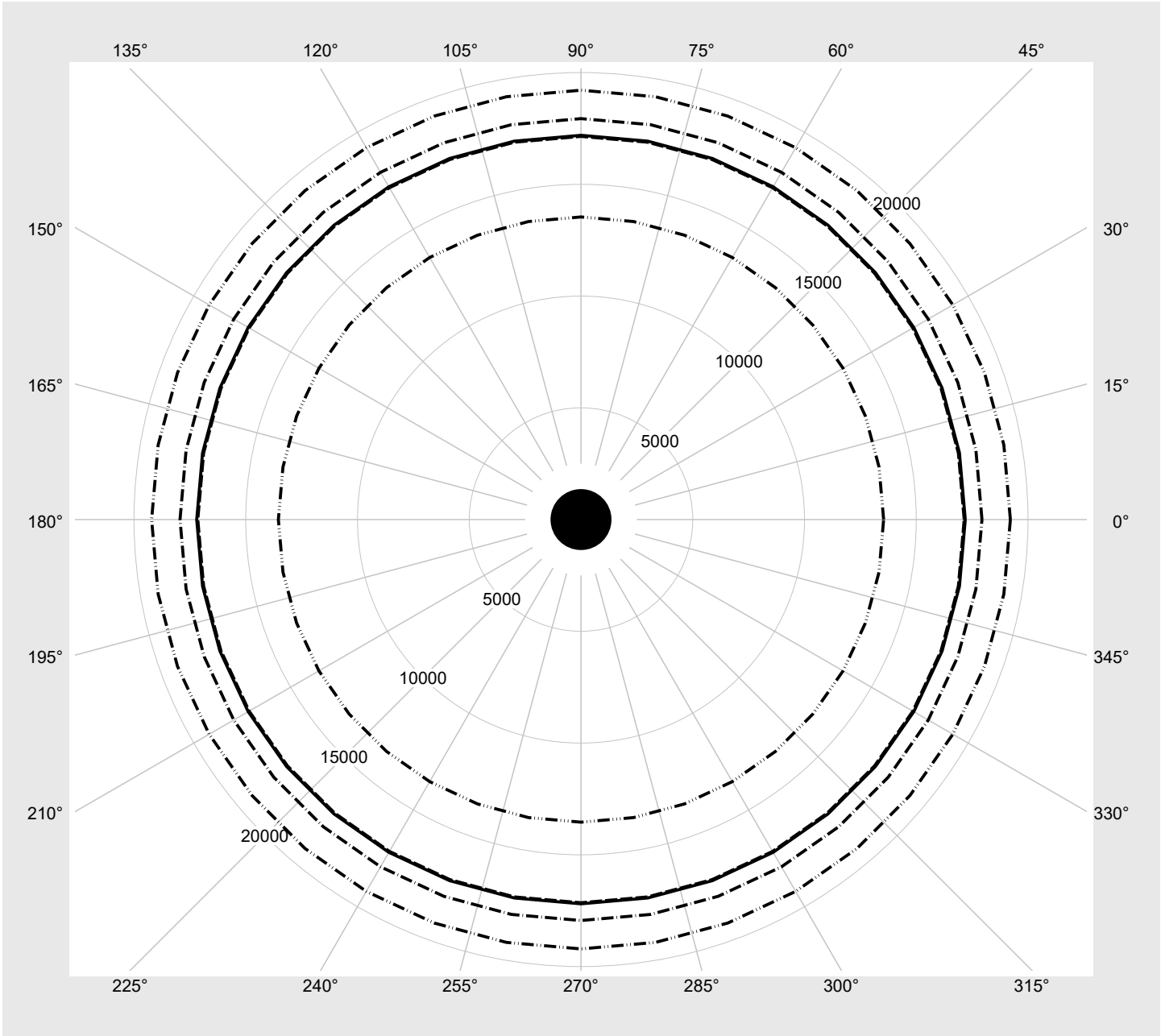
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
-----------------	---------------------------------	--------------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45°	39327.5
50°	27336.2
55°	21290.7
60°	18320.9
65°	17193.4
70°	17145.4
75°	17940.3
80°	19211.3
85°	13540.3

Photometric test report

Family Spot 21	Order number: 51SE34MBB5B EAN: 4058352716748	LP number 59386_5
--------------------------	---	-----------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Spot 21	Order number: 51SE34MBB5B EAN: 4058352716748	LP number 59386_5
--------------------------	---	-----------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	5530	41.8
14	ON	ON	ON	OFF	5110	39.6
13	ON	ON	OFF	ON	4910	37.5
12	ON	ON	OFF	OFF	4700	35.2
11	ON	OFF	ON	ON	4440	33.5
10	ON	OFF	ON	OFF	4220	31.5
9	ON	OFF	OFF	ON	3980	29.4
8	ON	OFF	OFF	OFF	3740	27.3
7	OFF	ON	ON	ON	3540	25.8
6	OFF	ON	ON	OFF	3300	23.9
5	OFF	ON	OFF	ON	3050	21.9
4	OFF	ON	OFF	OFF	2800	20.0
3	OFF	OFF	ON	ON	2500	17.7
2	OFF	OFF	ON	OFF	2240	15.9
1	OFF	OFF	OFF	ON	1960	13.8
0	OFF	OFF	OFF	OFF	1690	11.9