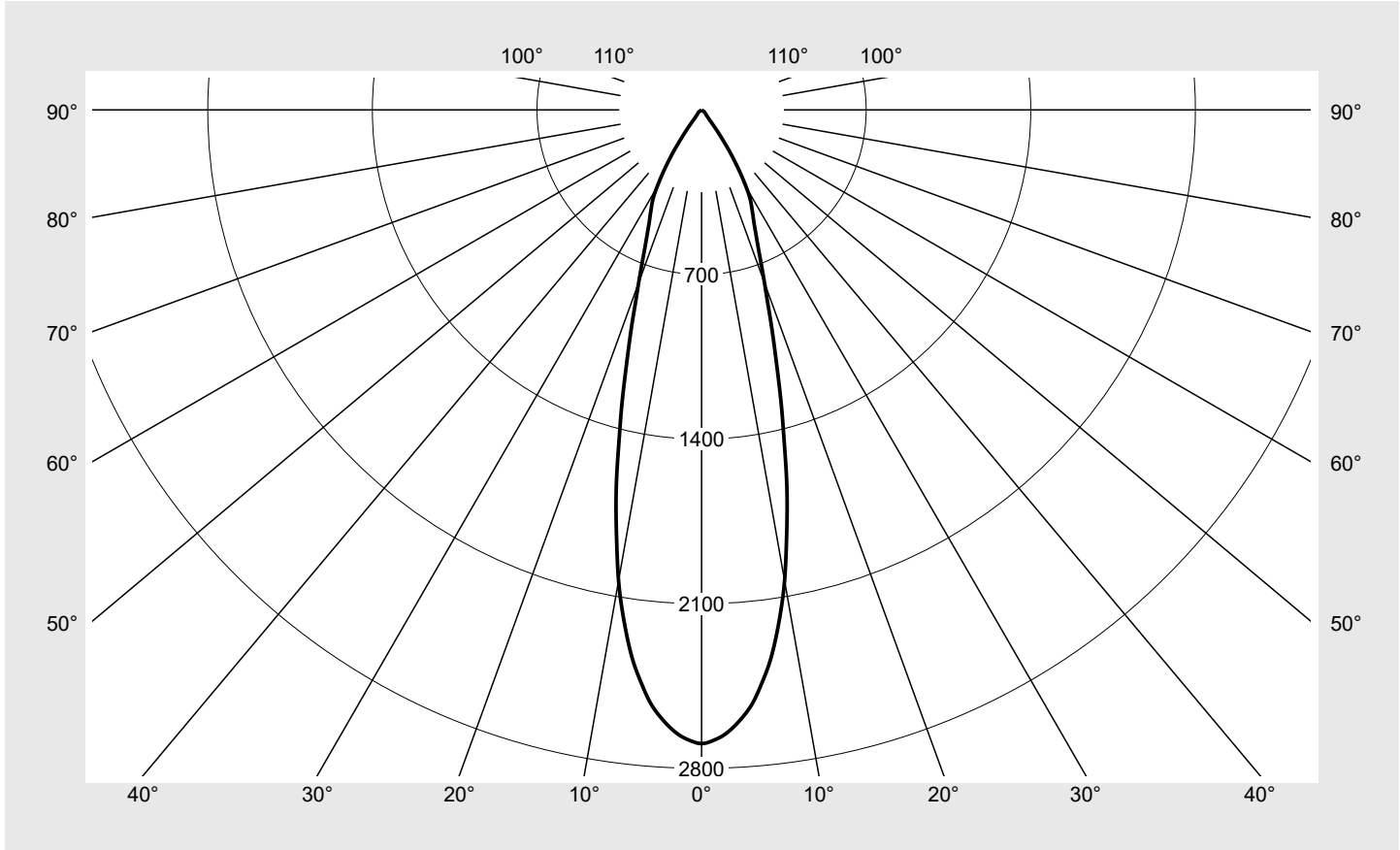


# Photometric test report

<b>Family</b> Spot 21	<b>Order number: 51SE33DBA5B</b> <b>EAN: 4058352767849</b>	<b>LP number</b> 59385_20
<b>Version</b>	reflector, cover panel, PC, medium distribution	<b>serial documentation</b> 27.02.2023
<b>Lamps</b>	LED 2700 K   CRI ≥ 90	
<b>Controlgear</b>	ECG-DALI	
<b>Setting</b>	factory setting: DIP-Step=14	
<b>Rated values</b>	Net luminous flux = 5120 lm Power consumption = 40.4 W Luminous efficacy = 126.7 lm/W	



**Luminous intensity in cd/klm** C180-0 **Imax: 2695 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=95 N2=98 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

<b>Family</b> <b>Spot 21</b>	<b>Order number: 51SE33DBA5B</b> <b>EAN: 4058352767849</b>	<b>LP number</b> <b>59385_20</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°	2694.7	0.6	0.6
1°	2682.9	5.1	5.8
2°	2661.3	10.2	16.0
3°	2626.5	15.1	31.0
4°	2582.0	19.8	50.8
5°	2526.7	24.1	74.9
6°	2451.1	28.1	103.0
7°	2369.6	31.7	134.7
8°	2268.5	34.6	169.3
9°	2155.9	37.0	206.3
10°	2033.1	38.7	245.0
11°	1889.1	39.5	284.5
12°	1749.6	39.9	324.4
13°	1606.3	39.6	364.1
14°	1451.7	38.5	402.6
15°	1316.6	37.4	439.9
16°	1182.9	35.8	475.7
17°	1063.4	34.1	509.8
18°	958.3	32.5	542.3
19°	860.0	30.7	573.0
20°	782.1	29.3	602.3
21°	713.2	28.0	630.3
22°	652.6	26.8	657.1
23°	603.4	25.9	683.0
24°	562.1	25.1	708.1
25°	526.2	24.4	732.5
26°	498.5	24.0	756.4
27°	471.8	23.5	779.9
28°	447.7	23.1	803.0
29°	418.5	22.2	825.2
30°	379.9	20.8	846.0
31°	337.7	19.1	865.1
32°	295.4	17.2	882.3
33°	252.5	15.1	897.4
34°	211.9	13.0	910.4
35°	167.9	10.6	920.9
36°	131.9	8.5	929.4
37°	96.9	6.4	935.8
38°	68.0	4.6	940.4
39°	50.9	3.5	943.9
40°	42.0	3.0	946.9
41°	36.2	2.6	949.5
42°	31.8	2.3	951.8
43°	28.9	2.2	954.0
44°	26.7	2.0	956.0
45°	24.8	1.9	957.9
46°	23.2	1.8	959.8

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	22.0	1.8	961.5
48°	20.4	1.7	963.2
49°	19.4	1.6	964.8
50°	17.8	1.5	966.3
51°	17.1	1.5	967.8
52°	16.0	1.4	969.1
53°	15.3	1.3	970.5
54°	14.6	1.3	971.8
55°	14.2	1.3	973.0
56°	13.3	1.2	974.2
57°	12.9	1.2	975.4
58°	12.3	1.1	976.6
59°	12.0	1.1	977.7
60°	11.7	1.1	978.8
61°	11.3	1.1	979.9
62°	11.2	1.1	981.0
63°	10.7	1.0	982.0
64°	10.6	1.0	983.1
65°	10.0	1.0	984.1
66°	9.9	1.0	985.0
67°	9.6	1.0	986.0
68°	9.2	0.9	986.9
69°	9.0	0.9	987.9
70°	8.7	0.9	988.8
71°	8.2	0.9	989.6
72°	7.9	0.8	990.4
73°	7.8	0.8	991.3
74°	7.5	0.8	992.0
75°	7.5	0.8	992.8
76°	6.8	0.7	993.6
77°	6.7	0.7	994.3
78°	6.6	0.7	995.0
79°	6.3	0.7	995.7
80°	5.8	0.6	996.3
81°	5.5	0.6	996.9
82°	5.1	0.6	997.4
83°	4.5	0.5	997.9
84°	4.1	0.4	998.4
85°	3.4	0.4	998.8
86°	3.0	0.3	999.1
87°	2.6	0.3	999.4
88°	2.2	0.2	999.6
89°	2.4	0.3	999.9
90°	2.4	0.3	1000.1

## Photometric test report

Family Spot 21	Order number: 51SE33DBA5B EAN: 4058352767849	LP number 59385_20
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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	20.9	22.0	21.3	22.3	22.6	20.9	22.0	21.3	22.3	22.6
	3H	21.3	22.2	21.7	22.6	22.9	21.3	22.2	21.7	22.6	22.9
	4H	21.6	22.5	22.0	22.8	23.2	21.6	22.5	22.0	22.8	23.2
	6H	22.1	22.8	22.5	23.2	23.6	22.1	22.8	22.5	23.2	23.6
	8H	22.4	23.0	22.8	23.4	23.8	22.4	23.0	22.8	23.4	23.8
	12H	22.6	23.2	23.1	23.5	24.0	22.6	23.2	23.1	23.5	24.0
4H	2H	20.9	21.8	21.3	22.1	22.5	20.9	21.8	21.3	22.1	22.5
	3H	21.5	22.2	21.9	22.6	23.0	21.5	22.2	21.9	22.6	23.0
	4H	22.0	22.6	22.4	23.0	23.4	22.0	22.6	22.4	23.0	23.4
	6H	22.6	23.1	23.1	23.6	24.0	22.6	23.1	23.1	23.6	24.0
	8H	22.9	23.4	23.4	23.9	24.3	22.9	23.4	23.4	23.9	24.3
	12H	23.3	23.6	23.8	24.1	24.6	23.3	23.6	23.8	24.1	24.6
8H	4H	22.2	22.6	22.6	23.1	23.5	22.2	22.6	22.6	23.1	23.5
	6H	23.0	23.3	23.5	23.8	24.3	23.0	23.3	23.5	23.8	24.3
	8H	23.4	23.8	23.9	24.2	24.8	23.4	23.8	23.9	24.2	24.8
	12H	23.9	24.1	24.4	24.6	25.2	23.9	24.1	24.4	24.6	25.2
12H	4H	22.2	22.6	22.7	23.0	23.5	22.2	22.6	22.7	23.0	23.5
	6H	23.1	23.4	23.6	23.9	24.4	23.1	23.4	23.6	23.9	24.4
	8H	23.6	23.9	24.2	24.4	24.9	23.6	23.9	24.2	24.4	24.9

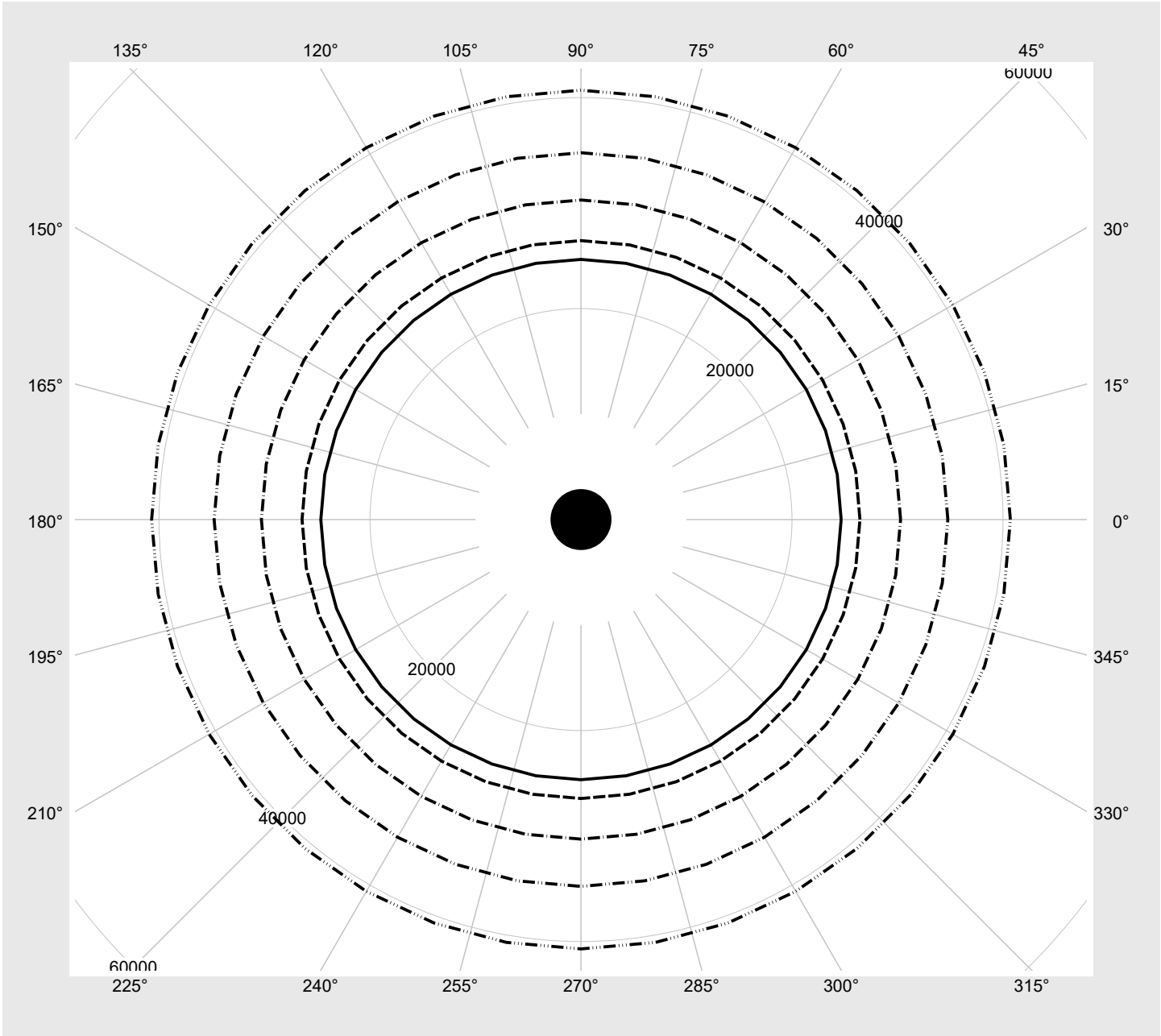
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 79
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	36665.7
50°	28907.5
55°	25836.0
60°	24337.8
65°	24661.6
70°	26441.8
75°	30292.7
80°	34774.3
85°	40700.3

**Photometric test report**

<b>Family</b> Spot 21	<b>Order number: 51SE33DBA5B</b> <b>EAN: 4058352767849</b>	<b>LP number</b> 59385_20
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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

<b>Family</b> Spot 21	<b>Order number: 51SE33DBA5B</b> <b>EAN: 4058352767849</b>	<b>LP number</b> 59385_20
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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	5190	42.4
14	ON	ON	ON	OFF	5120	40.4
13	ON	ON	OFF	ON	4900	38.4
12	ON	ON	OFF	OFF	4690	36.3
11	ON	OFF	ON	ON	4430	34.1
10	ON	OFF	ON	OFF	4210	32.2
9	ON	OFF	OFF	ON	3980	30.1
8	ON	OFF	OFF	OFF	3730	28.0
7	OFF	ON	ON	ON	3530	26.3
6	OFF	ON	ON	OFF	3300	24.4
5	OFF	ON	OFF	ON	3040	22.3
4	OFF	ON	OFF	OFF	2800	20.4
3	OFF	OFF	ON	ON	2490	18.1
2	OFF	OFF	ON	OFF	2240	16.1
1	OFF	OFF	OFF	ON	1960	14.1
0	OFF	OFF	OFF	OFF	1680	12.2