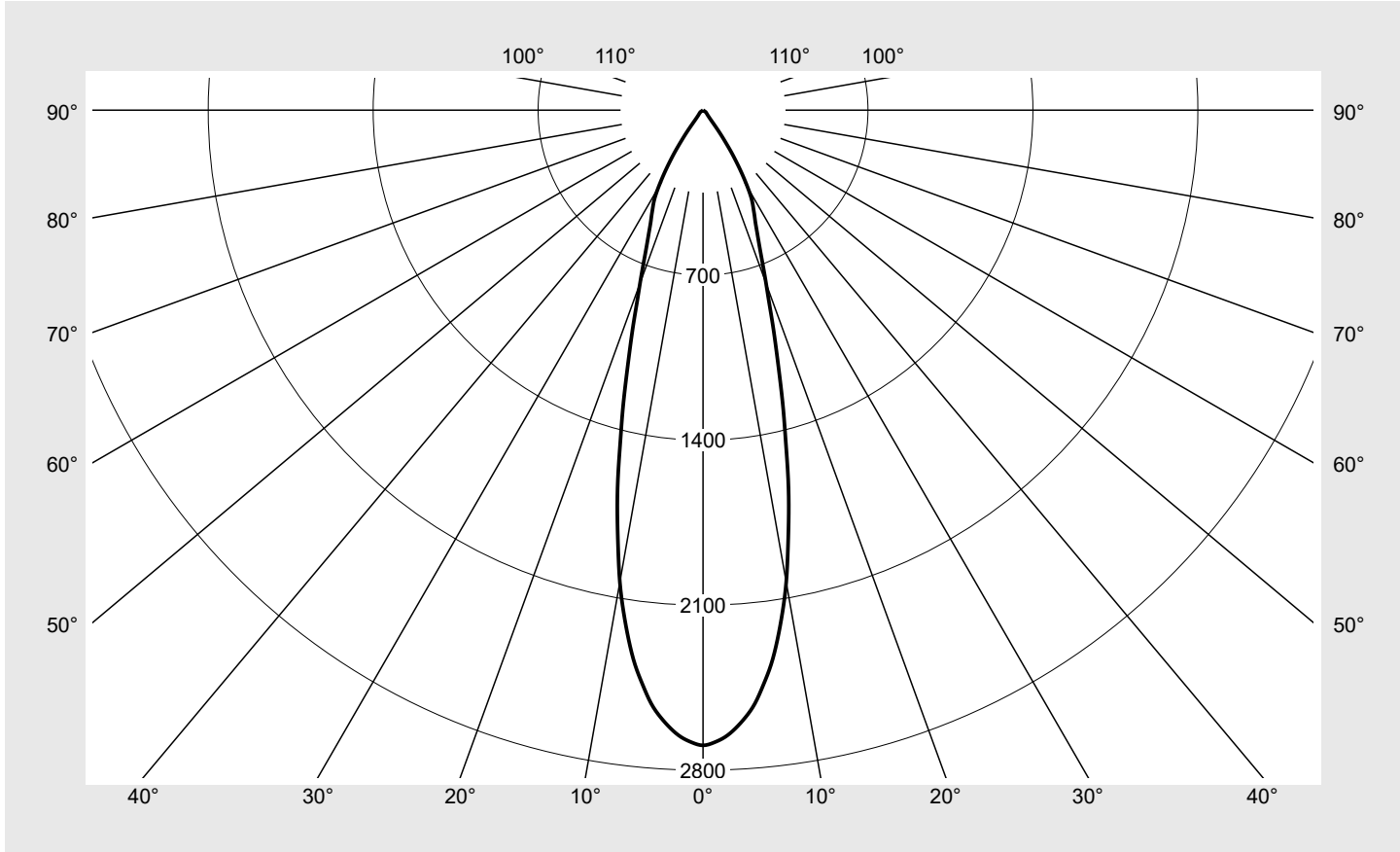


Photometric test report

Family Spot 21	Order number: 51SE33DBD5B EAN: 4058352767863	LP number 59385_15
Version	reflector, cover panel, PC, medium distribution	serial documentation 14.02.2023
Lamps	LED 4000 K CRI ≥ 90	
Controlgear	ECG-DALI	
Setting	factory setting: DIP-Step=14	
Rated values	Net luminous flux = 5200 lm Power consumption = 40.2 W Luminous efficacy = 129.4 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	
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: 51SE33DBD5B EAN: 4058352767863	LP number 59385_15
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°	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
γ	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: 51SE33DBD5B EAN: 4058352767863	LP number 59385_15
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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	21.0	22.1	21.3	22.4	22.7	21.0	22.1	21.3	22.4	22.7
	3H	21.4	22.3	21.7	22.6	23.0	21.4	22.3	21.7	22.6	23.0
	4H	21.7	22.5	22.1	22.9	23.3	21.7	22.5	22.1	22.9	23.3
	6H	22.2	22.9	22.6	23.2	23.6	22.2	22.9	22.6	23.2	23.6
	8H	22.5	23.1	22.9	23.4	23.9	22.5	23.1	22.9	23.4	23.9
	12H	22.7	23.2	23.1	23.6	24.0	22.7	23.2	23.1	23.6	24.0
4H	2H	21.0	21.8	21.4	22.2	22.6	21.0	21.8	21.4	22.2	22.6
	3H	21.5	22.2	22.0	22.6	23.1	21.5	22.2	22.0	22.6	23.1
	4H	22.0	22.6	22.5	23.0	23.5	22.0	22.6	22.5	23.0	23.5
	6H	22.7	23.2	23.1	23.6	24.1	22.7	23.2	23.1	23.6	24.1
	8H	23.0	23.5	23.5	23.9	24.4	23.0	23.5	23.5	23.9	24.4
	12H	23.4	23.7	23.9	24.2	24.7	23.4	23.7	23.9	24.2	24.7
8H	4H	22.2	22.7	22.7	23.1	23.6	22.2	22.7	22.7	23.1	23.6
	6H	23.0	23.4	23.5	23.9	24.4	23.0	23.4	23.5	23.9	24.4
	8H	23.5	23.8	24.0	24.3	24.8	23.5	23.8	24.0	24.3	24.8
	12H	24.0	24.2	24.5	24.7	25.2	24.0	24.2	24.5	24.7	25.2
12H	4H	22.3	22.6	22.8	23.1	23.6	22.3	22.6	22.8	23.1	23.6
	6H	23.2	23.4	23.7	23.9	24.5	23.2	23.4	23.7	23.9	24.5
	8H	23.7	23.9	24.2	24.4	25.0	23.7	23.9	24.2	24.4	25.0

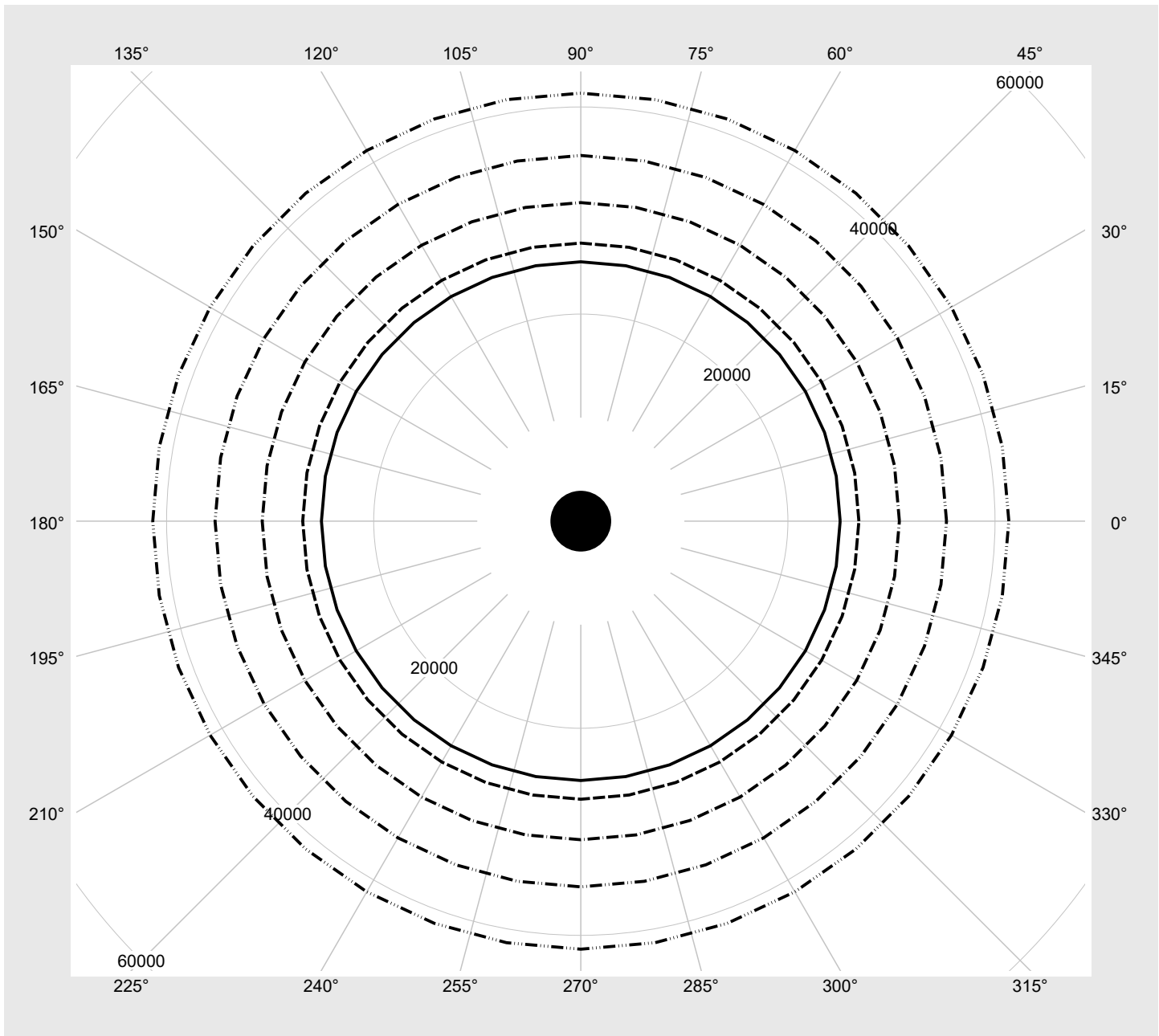
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
γ	Luminance in cd/m ²
45°	37238.6
50°	29359.1
55°	26239.7
60°	24718.1
65°	25046.9
70°	26855.0
75°	30766.0
80°	35317.7
85°	41336.2

Photometric test report

Family Spot 21	Order number: 51SE33DBD5B EAN: 4058352767863	LP number 59385_15
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Spot 21	Order number: 51SE33DBD5B EAN: 4058352767863	LP number 59385_15
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	5410	42.1
14	ON	ON	ON	OFF	5200	40.2
13	ON	ON	OFF	ON	4990	37.8
12	ON	ON	OFF	OFF	4770	36.2
11	ON	OFF	ON	ON	4520	34.0
10	ON	OFF	ON	OFF	4290	32.4
9	ON	OFF	OFF	ON	4050	29.8
8	ON	OFF	OFF	OFF	3800	27.7
7	OFF	ON	ON	ON	3600	26.1
6	OFF	ON	ON	OFF	3350	24.3
5	OFF	ON	OFF	ON	3100	22.2
4	OFF	ON	OFF	OFF	2850	20.2
3	OFF	OFF	ON	ON	2540	18.0
2	OFF	OFF	ON	OFF	2280	16.0
1	OFF	OFF	OFF	ON	2000	14.0
0	OFF	OFF	OFF	OFF	1720	12.1