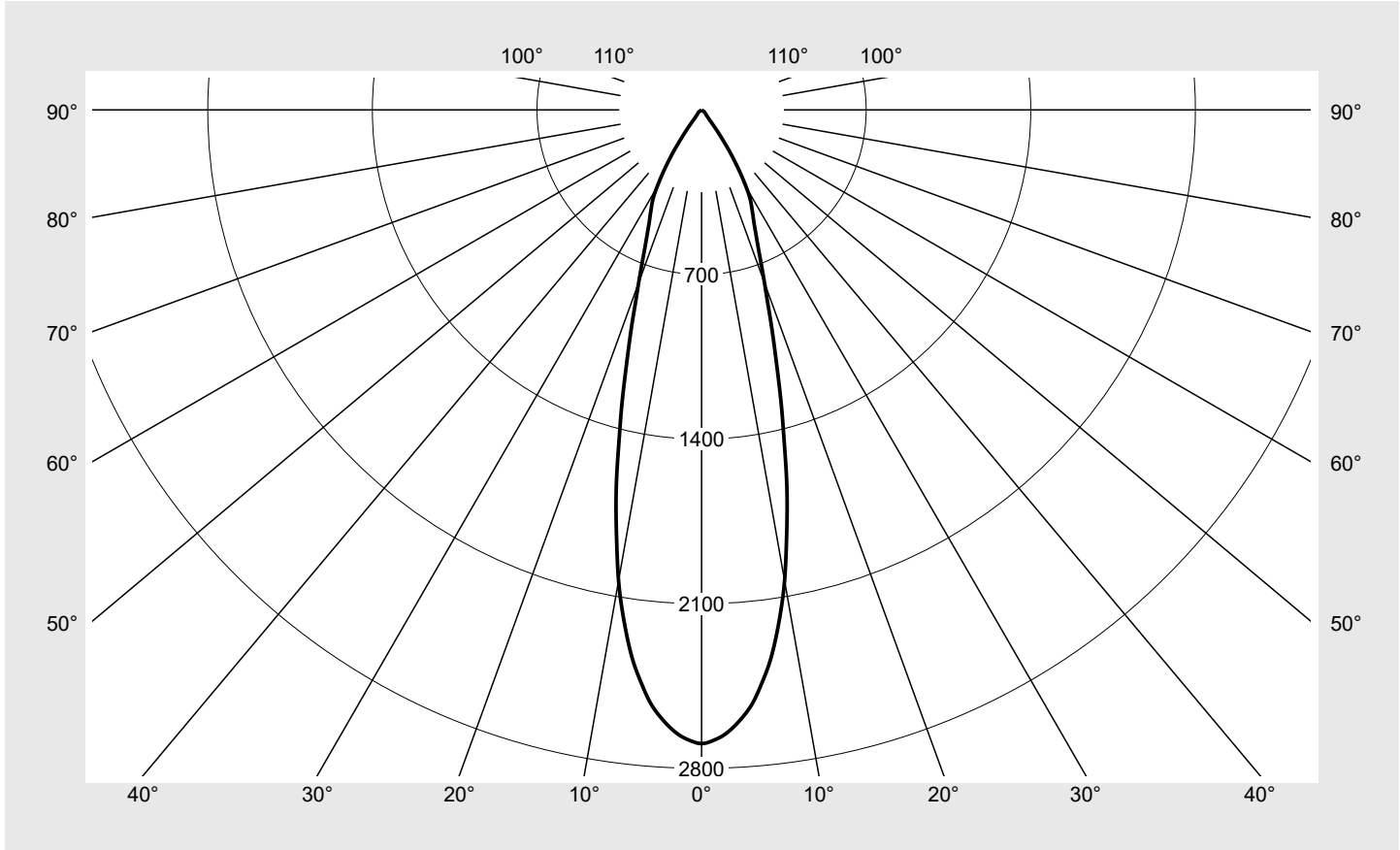


Photometric test report

Family Spot 21	Order number: 51SE33MBB5B EAN: 4058352716717	LP number 59385_5
Version	reflector, cover panel, PC, medium 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 = 5140 lm Power consumption = 39.8 W Luminous efficacy = 129.2 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: 51SE33MBB5B EAN: 4058352716717	LP number 59385_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°	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: 51SE33MBB5B EAN: 4058352716717	LP number 59385_5
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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	22.0	21.3	22.3	22.6	21.0	22.0	21.3	22.3	22.6
	3H	21.3	22.3	21.7	22.6	23.0	21.3	22.3	21.7	22.6	23.0
	4H	21.7	22.5	22.1	22.9	23.2	21.7	22.5	22.1	22.9	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	22.9	23.4	23.8	22.4	23.0	22.9	23.4	23.8
	12H	22.6	23.2	23.1	23.6	24.0	22.6	23.2	23.1	23.6	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	23.5	22.0	22.6	22.4	23.0	23.5
	6H	22.6	23.1	23.1	23.6	24.0	22.6	23.1	23.1	23.6	24.0
	8H	23.0	23.4	23.4	23.9	24.4	23.0	23.4	23.4	23.9	24.4
	12H	23.3	23.7	23.8	24.1	24.6	23.3	23.7	23.8	24.1	24.6
8H	4H	22.2	22.6	22.7	23.1	23.6	22.2	22.6	22.7	23.1	23.6
	6H	23.0	23.4	23.5	23.8	24.4	23.0	23.4	23.5	23.8	24.4
	8H	23.4	23.8	24.0	24.3	24.8	23.4	23.8	24.0	24.3	24.8
	12H	23.9	24.1	24.4	24.7	25.2	23.9	24.1	24.4	24.7	25.2
12H	4H	22.2	22.6	22.7	23.1	23.6	22.2	22.6	22.7	23.1	23.6
	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°
γ	Luminance in cd/m ²
45°	36808.9
50°	29020.4
55°	25936.9
60°	24432.9
65°	24757.9
70°	26545.1
75°	30411.0
80°	34910.2
85°	40859.3

Photometric test report

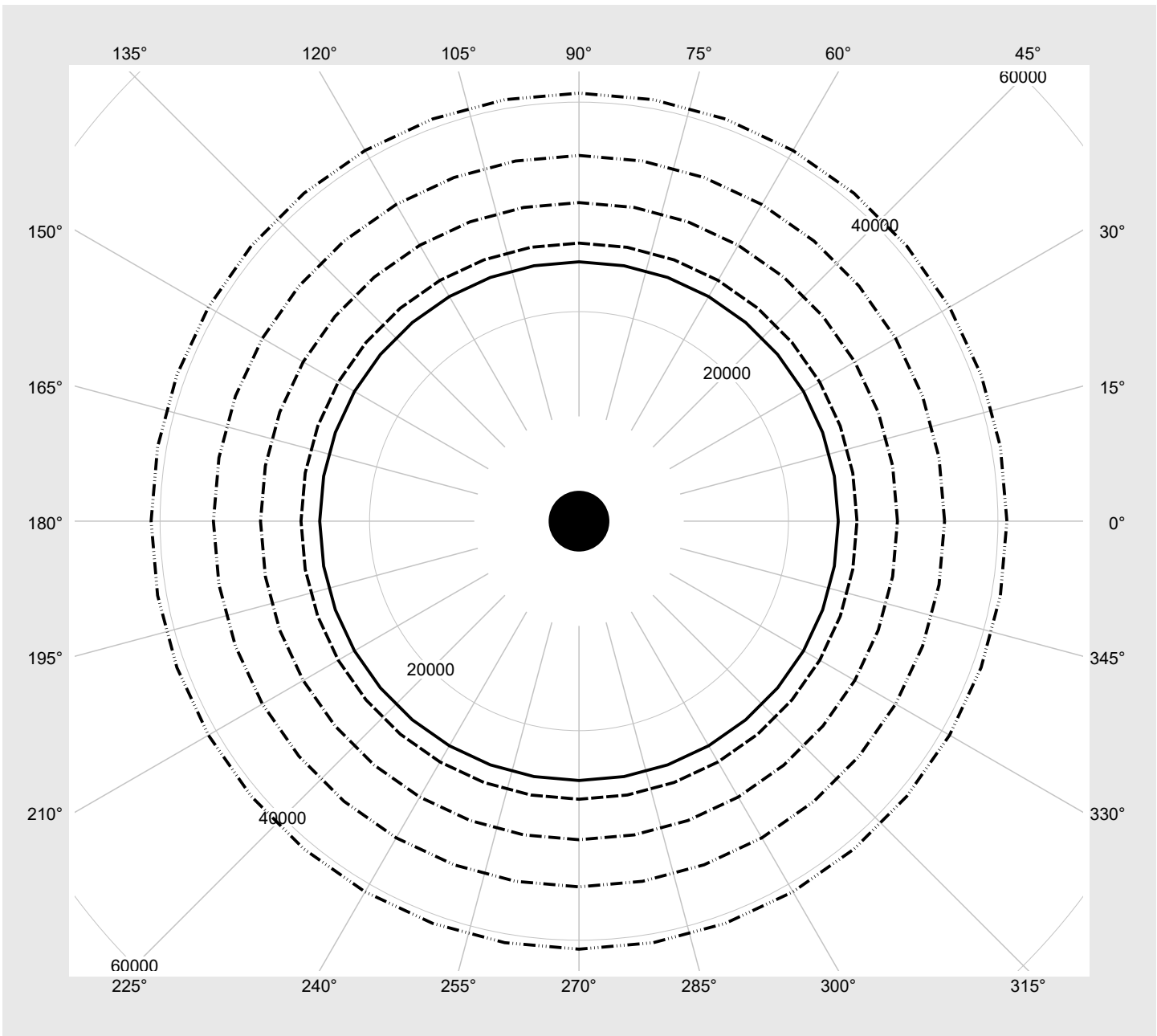
Family
Spot 21

Order number: 51SE33MBB5B
EAN: 4058352716717

LP number
59385_5

Luminance values in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Spot 21	Order number: 51SE33MBB5B EAN: 4058352716717	LP number 59385_5
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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	5350	41.8
14	ON	ON	ON	OFF	5140	39.8
13	ON	ON	OFF	ON	4930	37.7
12	ON	ON	OFF	OFF	4720	35.7
11	ON	OFF	ON	ON	4470	33.5
10	ON	OFF	ON	OFF	4240	31.4
9	ON	OFF	OFF	ON	4000	29.5
8	ON	OFF	OFF	OFF	3760	27.1
7	OFF	ON	ON	ON	3560	25.8
6	OFF	ON	ON	OFF	3320	23.9
5	OFF	ON	OFF	ON	3060	21.9
4	OFF	ON	OFF	OFF	2810	20.0
3	OFF	OFF	ON	ON	2510	17.7
2	OFF	OFF	ON	OFF	2250	15.9
1	OFF	OFF	OFF	ON	1970	13.8
0	OFF	OFF	OFF	OFF	1690	12.0