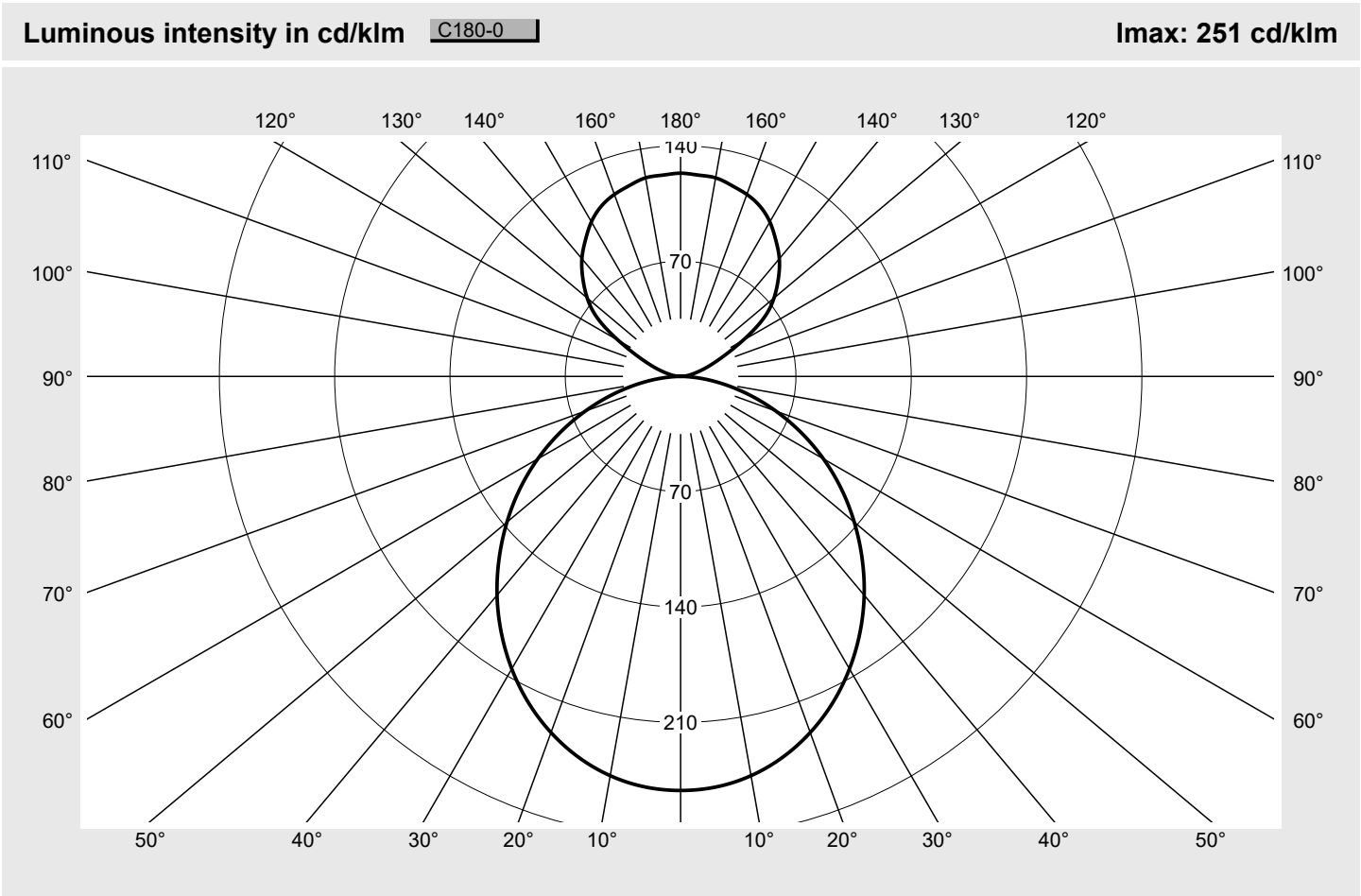


Photometric test report

Family Silica® 21 round M	Order number: 51MF31DBDNBA EAN: 4069025807540	LP number 60084_6
	Version	Suspended luminaire, housing, black, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 3000 K CRI ≥ 90
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7490 lm Power consumption = 48.1 W Luminous efficacy = 155.7 lm/W
		serial documentation 20.05.2026
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	B 4 3	η_{LB}	100.0%
CIE	N1=49 N2=79 N3=96	ϕ_u	67.6%
	N4=68 N5=100	ϕ_o	32.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round M	Order number: 51MF31DBDNBA EAN: 4069025807540	LP number 60084_6
Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	251.4	1.5	1.5
5°	250.1	11.9	13.5
10°	246.1	23.4	36.9
15°	239.3	34.0	70.8
20°	230.0	43.1	114.0
25°	218.5	50.6	164.6
30°	205.0	56.2	220.8
35°	189.8	59.7	280.4
40°	173.4	61.1	341.5
45°	155.7	60.4	401.9
50°	137.6	57.8	459.7
55°	119.2	53.5	513.2
60°	100.1	47.5	560.7
65°	80.8	40.1	600.8
70°	61.6	31.7	632.5
75°	43.1	22.8	655.4
80°	26.0	14.0	669.4
85°	11.1	6.1	675.5
90°	0.7	0.4	675.8
95°	2.8	1.5	677.4
100°	6.3	3.4	680.8
105°	11.1	5.9	686.7
110°	18.3	9.4	696.1
115°	28.2	14.0	710.1
120°	43.6	20.7	730.8
125°	61.5	27.6	758.5
130°	74.0	31.1	789.5
135°	83.9	32.5	822.1
140°	93.2	32.9	854.9
145°	100.8	31.7	886.6
150°	108.3	29.7	916.3
155°	114.0	26.4	942.7
160°	117.6	22.0	964.7
165°	120.0	17.0	981.8
170°	122.4	11.7	993.4
175°	122.7	5.9	999.3
180°	123.4	0.7	1000.0

Photometric test report

Family Silica® 21 round M	Order number: 51MF31DBDNBA EAN: 4069025807540	LP number 60084_6
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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	16.3	17.5	17.1	18.2	19.2	16.3	17.5	17.1	18.2	19.2		
	3H	17.8	18.8	18.5	19.6	20.6	17.8	18.8	18.5	19.6	20.6		
	4H	18.4	19.3	19.2	20.1	21.1	18.4	19.3	19.2	20.1	21.1		
	6H	18.8	19.7	19.6	20.5	21.5	18.8	19.7	19.6	20.5	21.5		
	8H	18.9	19.7	19.7	20.5	21.6	18.9	19.7	19.7	20.5	21.6		
	12H	19.0	19.8	19.9	20.6	21.7	19.0	19.8	19.9	20.6	21.7		
4H	2H	16.9	17.9	17.7	18.7	19.7	16.9	17.9	17.7	18.7	19.7		
	3H	18.6	19.4	19.4	20.2	21.3	18.6	19.4	19.4	20.2	21.3		
	4H	19.3	20.0	20.1	20.9	21.9	19.3	20.0	20.1	20.9	21.9		
	6H	19.9	20.5	20.7	21.4	22.4	19.9	20.5	20.7	21.4	22.4		
	8H	20.0	20.6	20.9	21.4	22.5	20.0	20.6	20.9	21.4	22.5		
	12H	20.2	20.7	21.0	21.5	22.6	20.2	20.7	21.0	21.5	22.6		
8H	4H	19.5	20.1	20.4	21.0	22.1	19.5	20.1	20.4	21.0	22.1		
	6H	20.2	20.6	21.1	21.5	22.6	20.2	20.6	21.1	21.5	22.6		
	8H	20.5	20.9	21.4	21.8	22.9	20.5	20.9	21.4	21.8	22.9		
	12H	20.7	21.1	21.6	22.0	23.1	20.7	21.1	21.6	22.0	23.1		
12H	4H	19.6	20.1	20.5	21.0	22.1	19.6	20.1	20.5	21.0	22.1		
	6H	20.3	20.7	21.2	21.6	22.7	20.3	20.7	21.2	21.6	22.7		
	8H	20.6	20.9	21.5	21.9	23.0	20.6	20.9	21.5	21.9	23.0		

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 586
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C-planes		0°
γ	Luminance in cd/m²	
45°	6116.3	
50°	5945.6	
55°	5769.0	
60°	5561.4	
65°	5309.1	
70°	4998.7	
75°	4626.1	
80°	4152.2	
85°	3546.8	

Photometric test report

Family
Silica® 21 round M

Order number: 51MF31DBDNBA
EAN: 4069025807540

LP number
60084_6

Luminance values in cd/m²

γ 65°

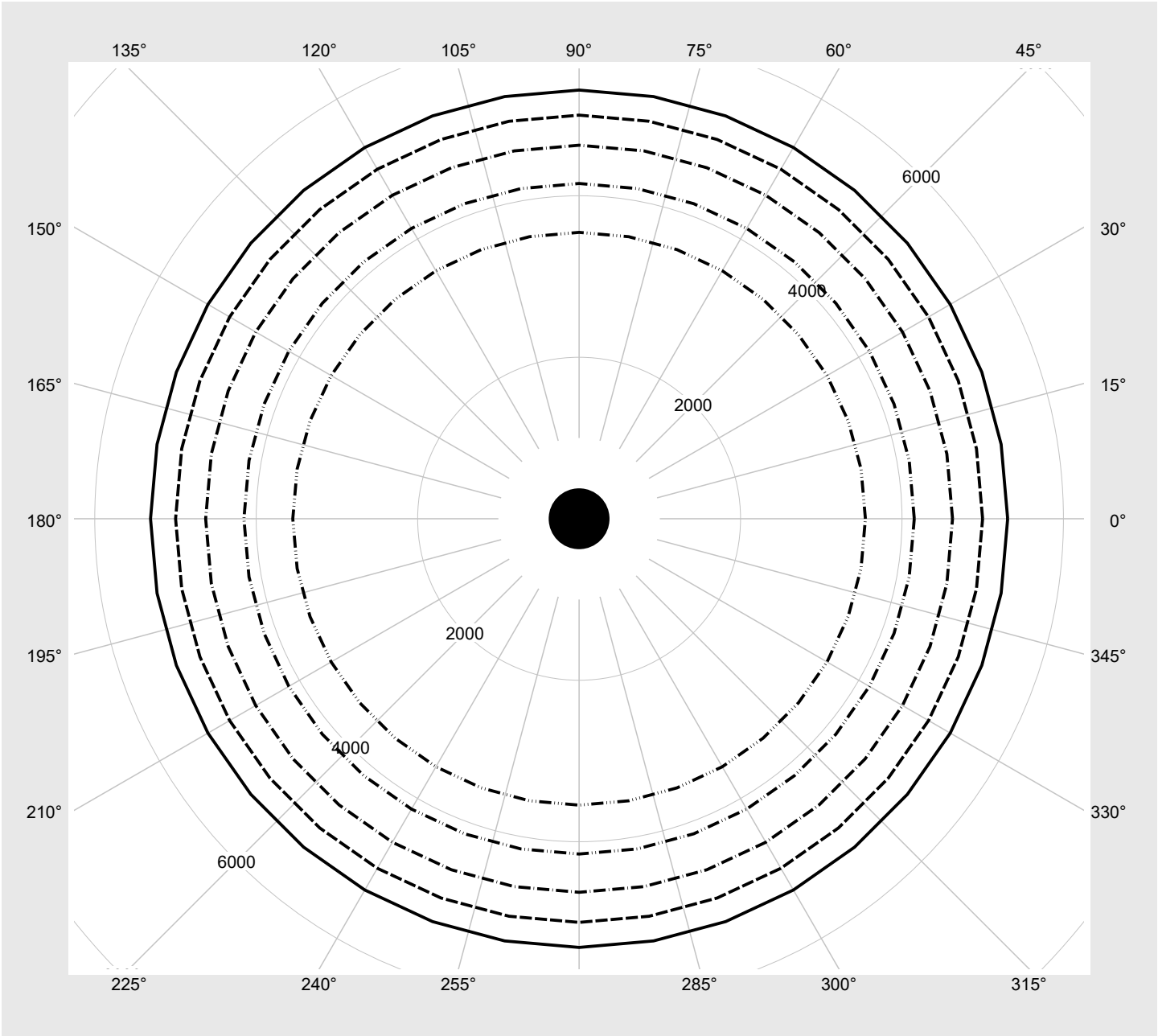
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round M	Order number: 51MF31DBDNBA EAN: 4069025807540	LP number 60084_6
Dimming levels table		environmental temperature: 25°C

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Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7490	48.1
95	241	252	7120	45.6
90	228	250	6749	43.1
85	215	248	6376	40.7
80	202	246	6002	38.3
75	189	243	5626	36.1
70	176	241	5249	33.7
65	163	238	4870	31.3
60	150	235	4490	28.9
55	137	231	4107	26.5
50	125	228	3753	24.3
45	112	224	3368	21.8
40	99	219	2981	19.4
35	87	215	2623	17.2
30	74	209	2232	14.8
25	62	202	1871	12.6
20	50	194	1509	10.5
15	37	183	1114	8.0
10	25	169	749	5.2
5	13	145	382	2.3
3	7	122	199	1.0