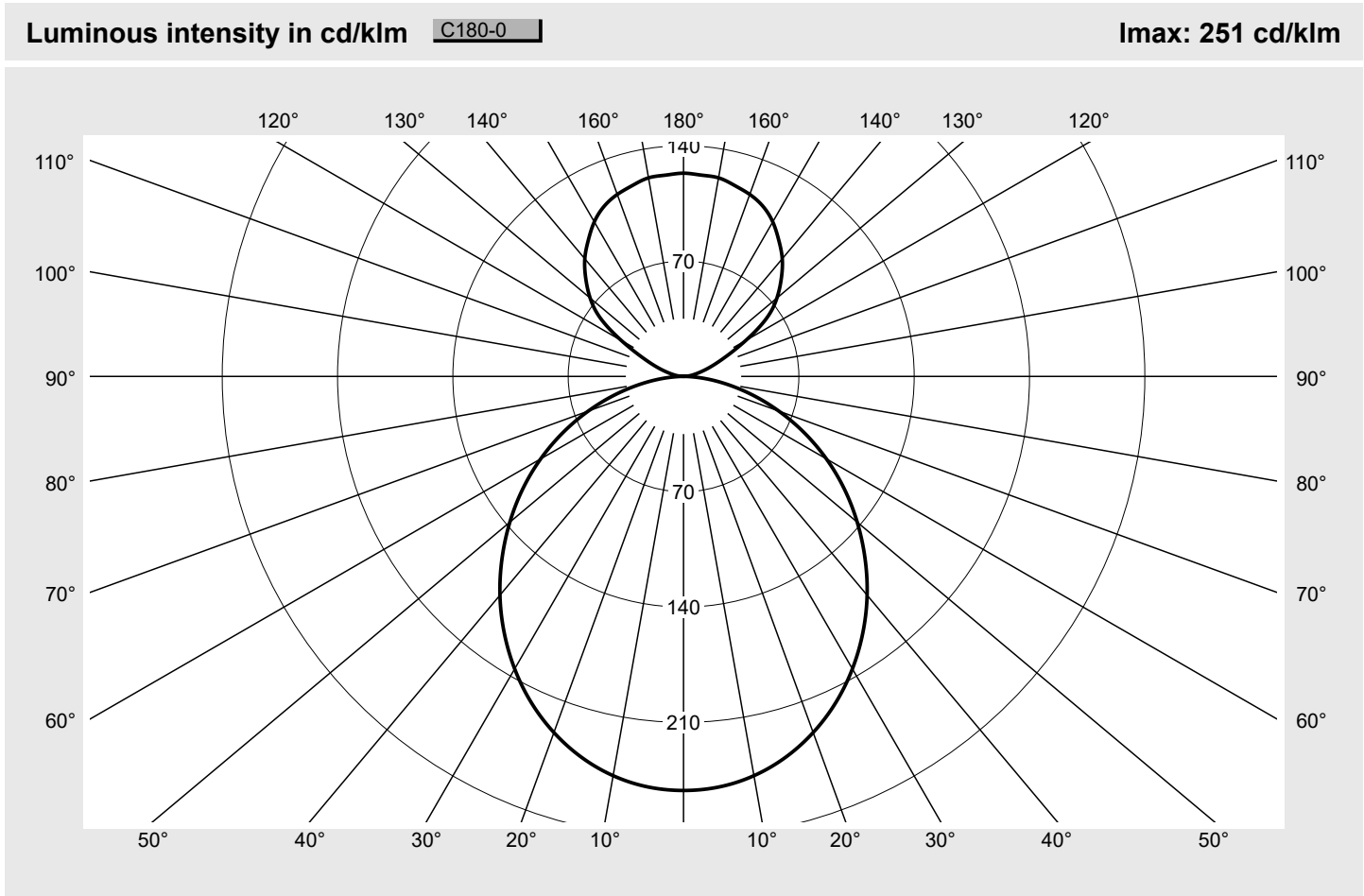


Photometric test report

Family Silica® 21 round M	Order number: 51MF31DB3NBA EAN: 4069025807427	LP number 60084_4
	Version Suspended luminaire, housing, black, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22	serial documentation 20.05.2026
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG-DALI	
	Rated values Net luminous flux = 7490 lm Power consumption = 45.7 W Luminous efficacy = 163.9 lm/W	





Classifications		Luminaire light output ratios	
DIN 5040	B 4 3	ηLB	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: 51MF31DB3NBA EAN: 4069025807427	LP number 60084_4
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: 51MF31DB3NBA EAN: 4069025807427	LP number 60084_4
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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: 51MF31DB3NBA
EAN: 4069025807427

LP number
60084_4

Luminance values in cd/m²

γ 65°

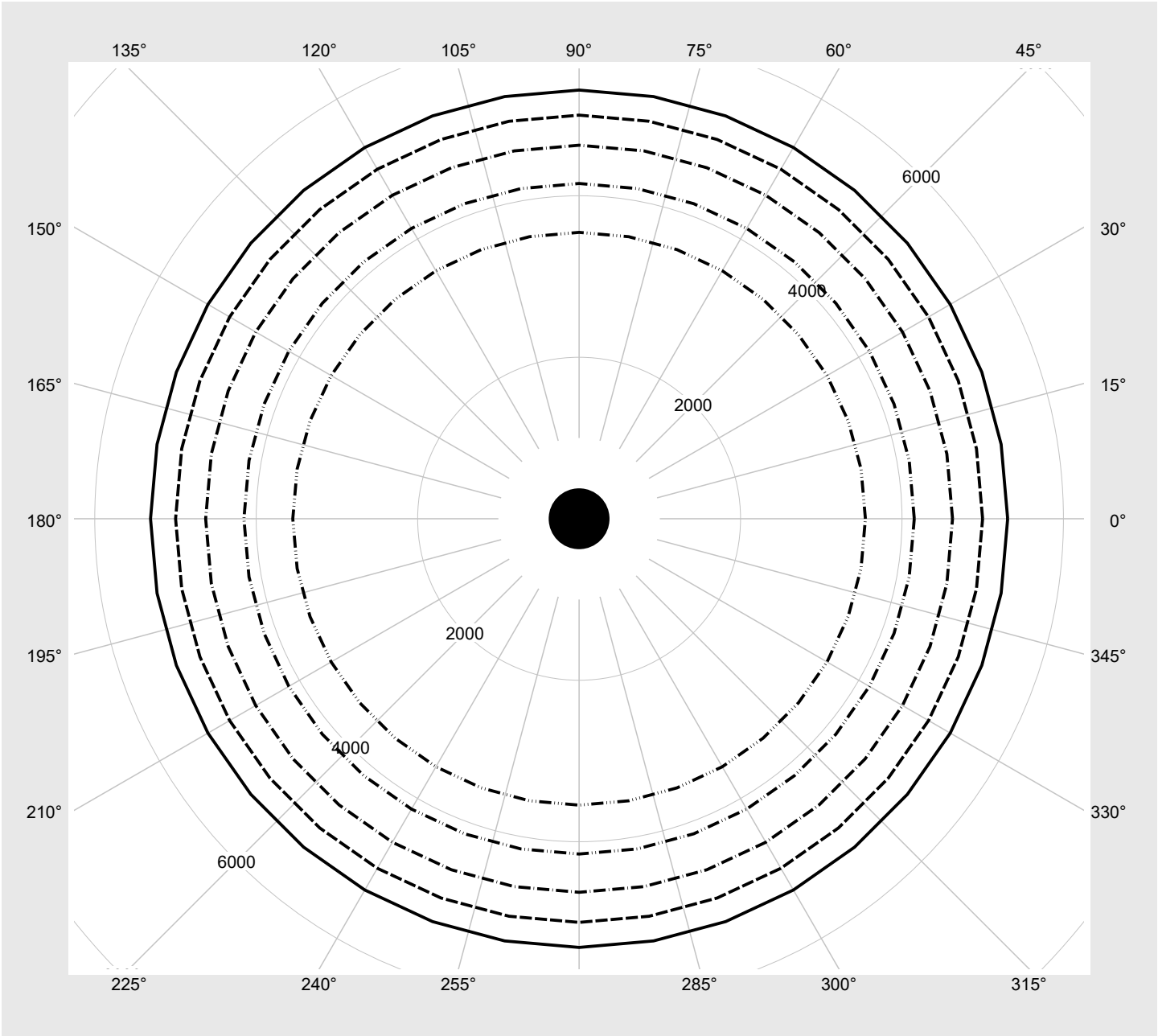
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round M	Order number: 51MF31DB3NBA EAN: 4069025807427	LP number 60084_4
Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7490	45.7
95	241	252	7113	43.4
90	228	250	6735	41.1
85	215	248	6356	38.8
80	203	246	6006	36.8
75	190	243	5626	34.6
70	177	241	5244	32.4
65	164	238	4860	30.1
60	152	235	4505	28.0
55	139	232	4119	25.7
50	126	228	3733	23.4
45	114	225	3375	21.2
40	101	220	2985	18.9
35	89	216	2626	16.8
30	76	210	2234	14.5
25	64	204	1872	12.6
20	52	196	1509	10.5
15	39	185	1114	8.1
10	27	172	749	5.5
5	15	150	383	2.6
2	7	122	138	1.0