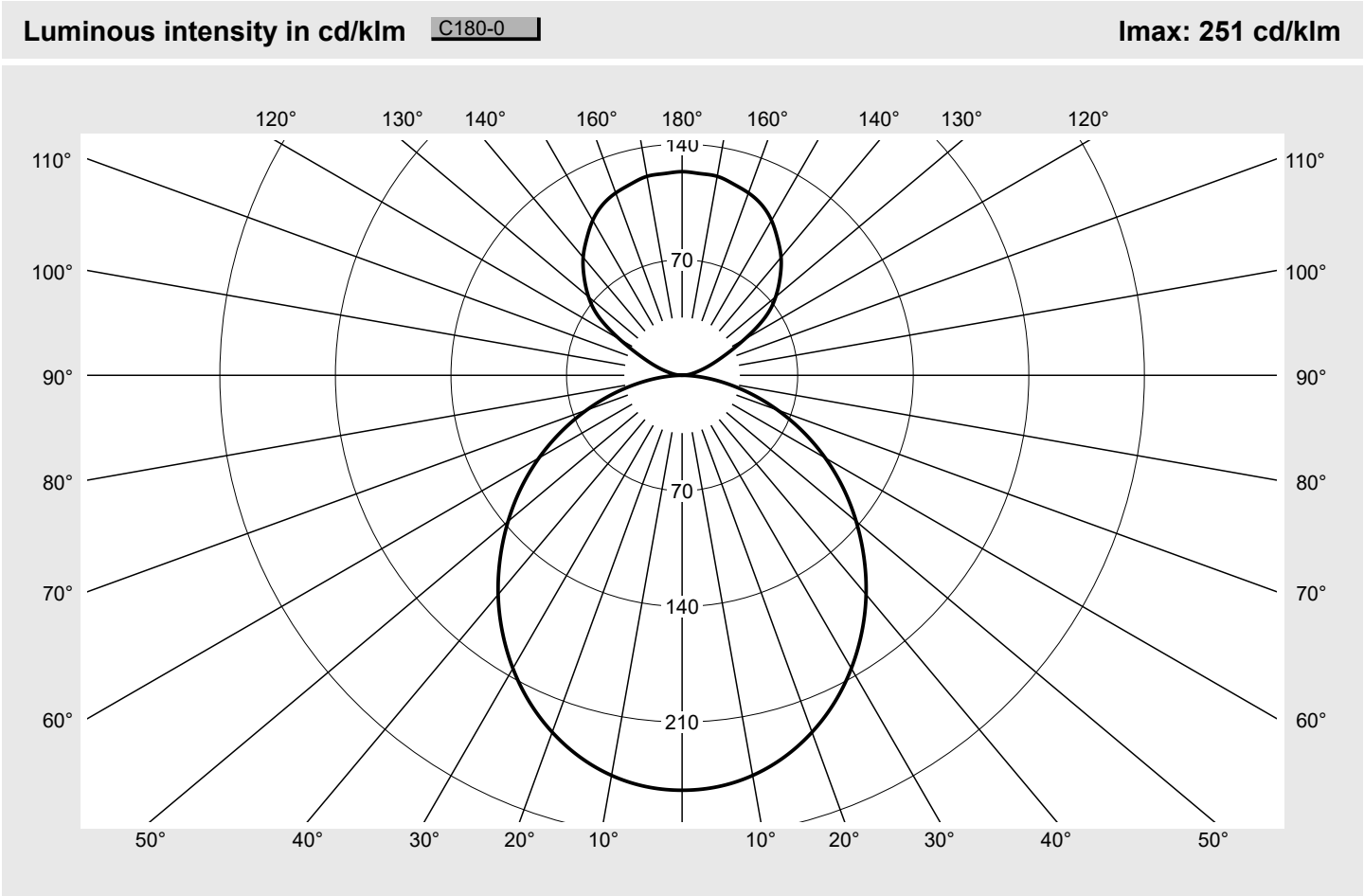


Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB4NBA EAN: 4069025802859	LP number 60084_3
	Version	Suspended luminaire, housing, black, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7480 lm Power consumption = 47.7 W Luminous efficacy = 156.8 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: 51ME31DB4NBA EAN: 4069025802859	LP number 60084_3
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: 51ME31DB4NBA EAN: 4069025802859	LP number 60084_3
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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	20.5	17.8	18.8	18.5	19.6	20.5	
	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	19.8	20.6	21.7	19.0	19.8	19.8	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	21.2	18.6	19.4	19.4	20.2	21.2	
	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	22.0	19.5	20.1	20.4	21.0	22.0	
	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	21.0	21.6	22.0	23.1	20.7	21.0	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	21.8	23.0	20.6	20.9	21.5	21.8	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°	6108.1	
50°	5937.7	
55°	5761.3	
60°	5554.0	
65°	5302.0	
70°	4992.0	
75°	4620.0	
80°	4146.7	
85°	3542.0	

Photometric test report

Family
Silica® 21 round M

Order number: 51ME31DB4NBA
EAN: 4069025802859

LP number
60084_3

Luminance values in cd/m²

γ 65°

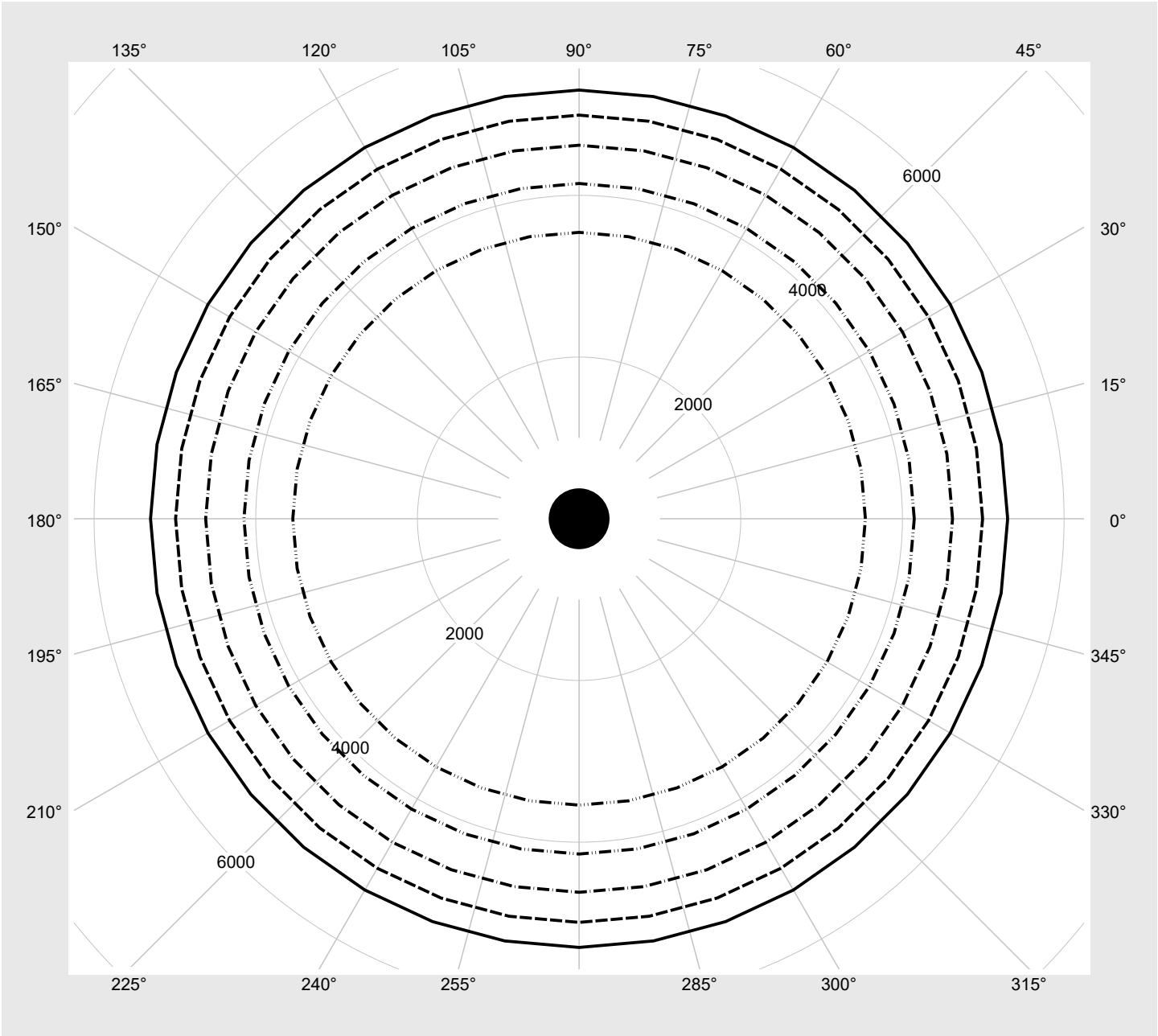
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB4NBA EAN: 4069025802859	LP number 60084_3
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7480	47.7
95	241	252	7100	45.3
90	228	250	6719	42.9
85	216	248	6367	40.7
80	203	246	5986	38.4
75	190	243	5603	36.2
70	178	241	5250	34.0
65	165	238	4865	31.7
60	152	235	4481	29.4
55	140	232	4124	27.1
50	127	229	3738	24.8
45	115	225	3380	22.5
40	102	221	2992	20.1
35	89	216	2604	17.7
30	77	210	2244	15.5
25	65	204	1885	13.4
20	52	196	1494	11.1
15	40	186	1133	8.8
10	27	172	741	5.9
5	15	150	379	2.9
2	7	122	137	1.0