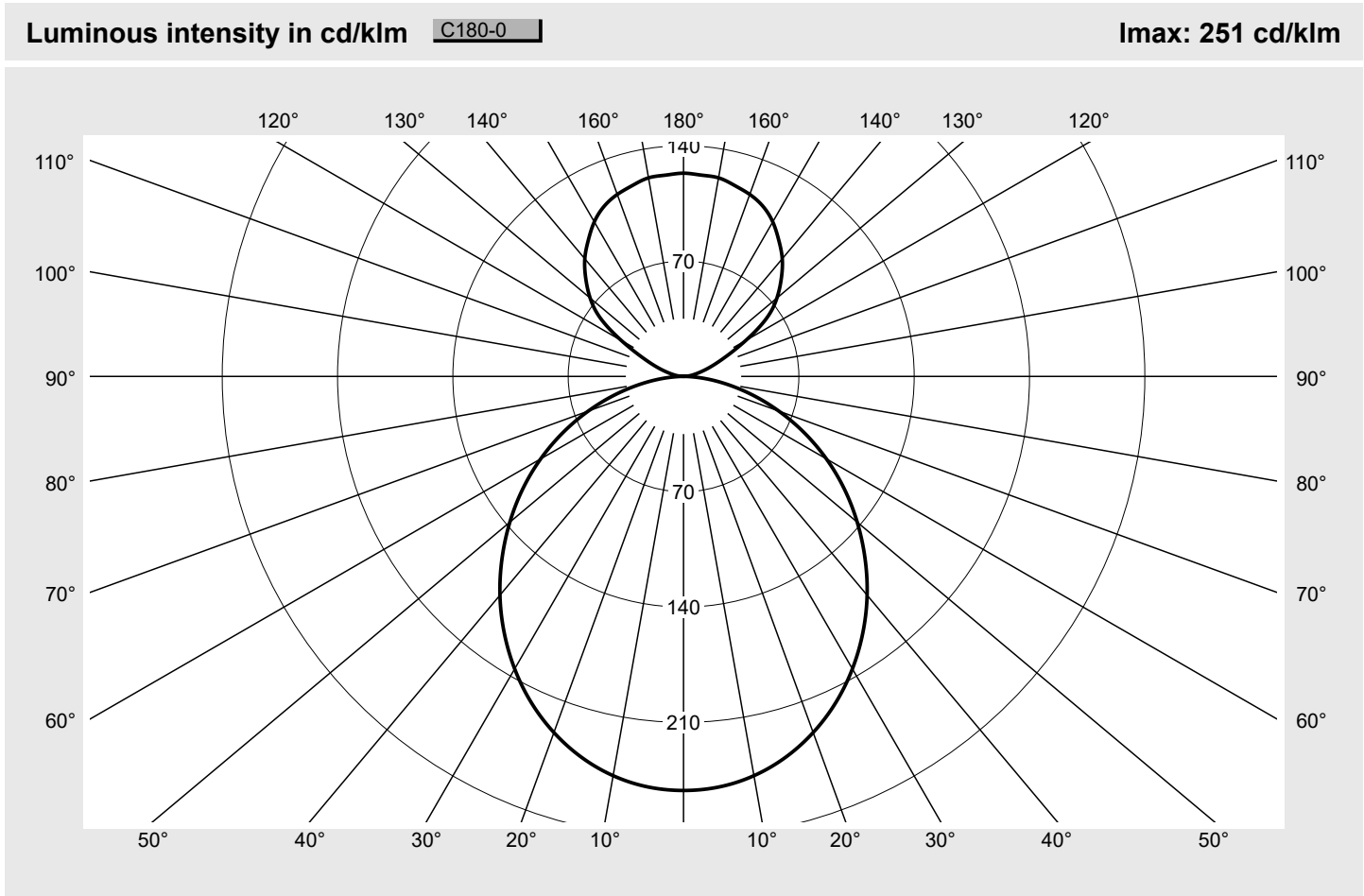


Photometric test report

Family Silica® 21 round M	Order number: 51MF31DB4NBA EAN: 4069025807472	LP number 60084_5
	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 = 7490 lm Power consumption = 43.6 W Luminous efficacy = 171.8 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: 51MF31DB4NBA EAN: 4069025807472	LP number 60084_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°	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: 51MF31DB4NBA EAN: 4069025807472	LP number 60084_5
------------------------------	--	----------------------

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
-----------------	---------------------------------	-------------------------------	---------

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: 51MF31DB4NBA
EAN: 4069025807472

LP number
60084_5

Luminance values in cd/m²

γ 65°

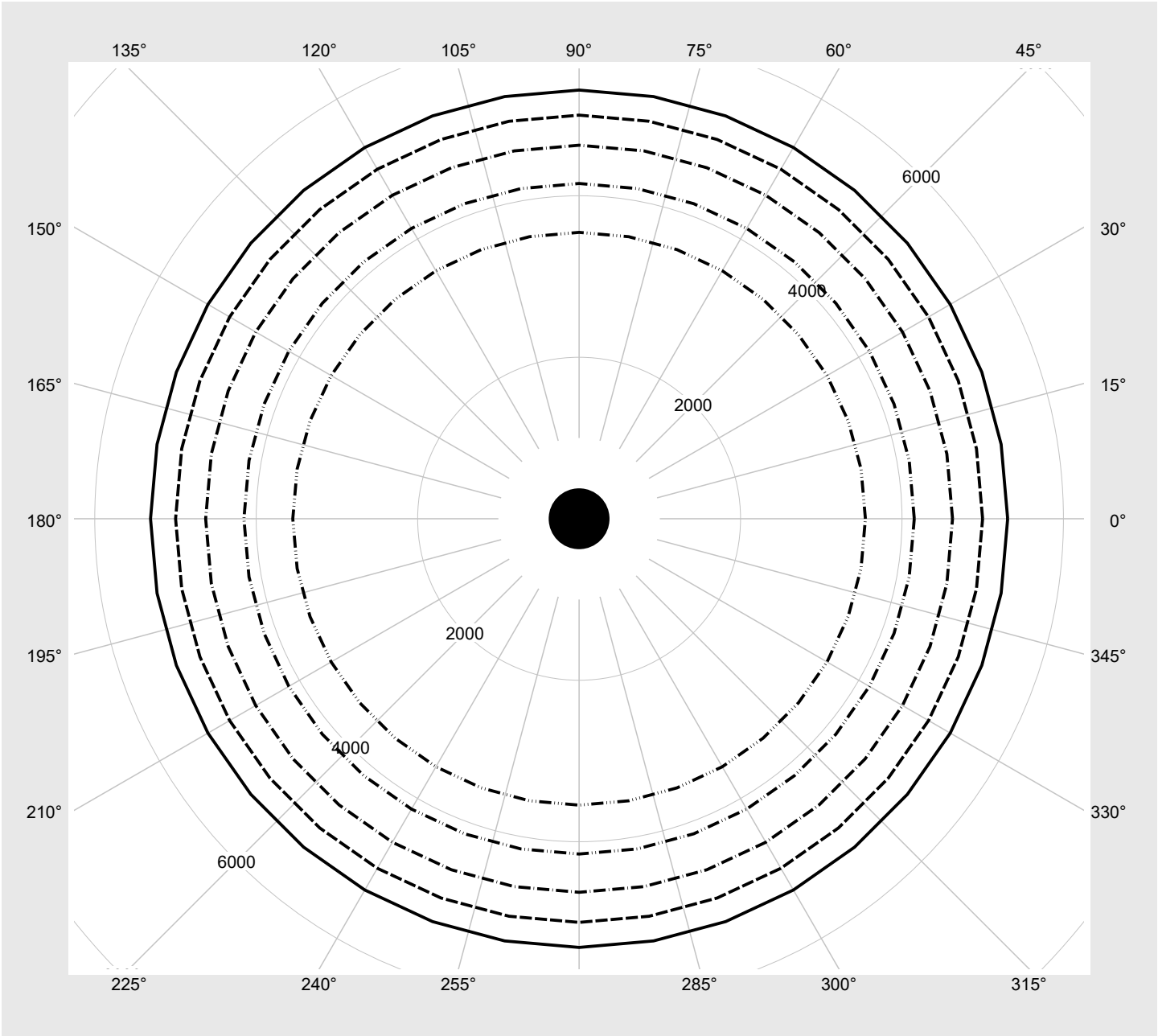
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round M	Order number: 51MF31DB4NBA EAN: 4069025807472	LP number 60084_5
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	43.6
95	241	252	7111	41.4
90	228	250	6731	39.3
85	216	248	6381	37.4
80	203	246	5999	35.3
75	190	243	5617	33.1
70	177	241	5233	31.0
65	165	238	4877	29.0
60	152	235	4491	26.8
55	140	232	4133	24.8
50	127	229	3745	22.5
45	115	225	3385	20.5
40	102	221	2994	18.3
35	90	216	2632	16.3
30	77	210	2239	14.1
25	65	204	1875	12.2
20	53	197	1510	10.3
15	40	186	1113	7.9
10	28	173	746	5.4
5	16	153	378	2.7
2	8	127	132	1.1