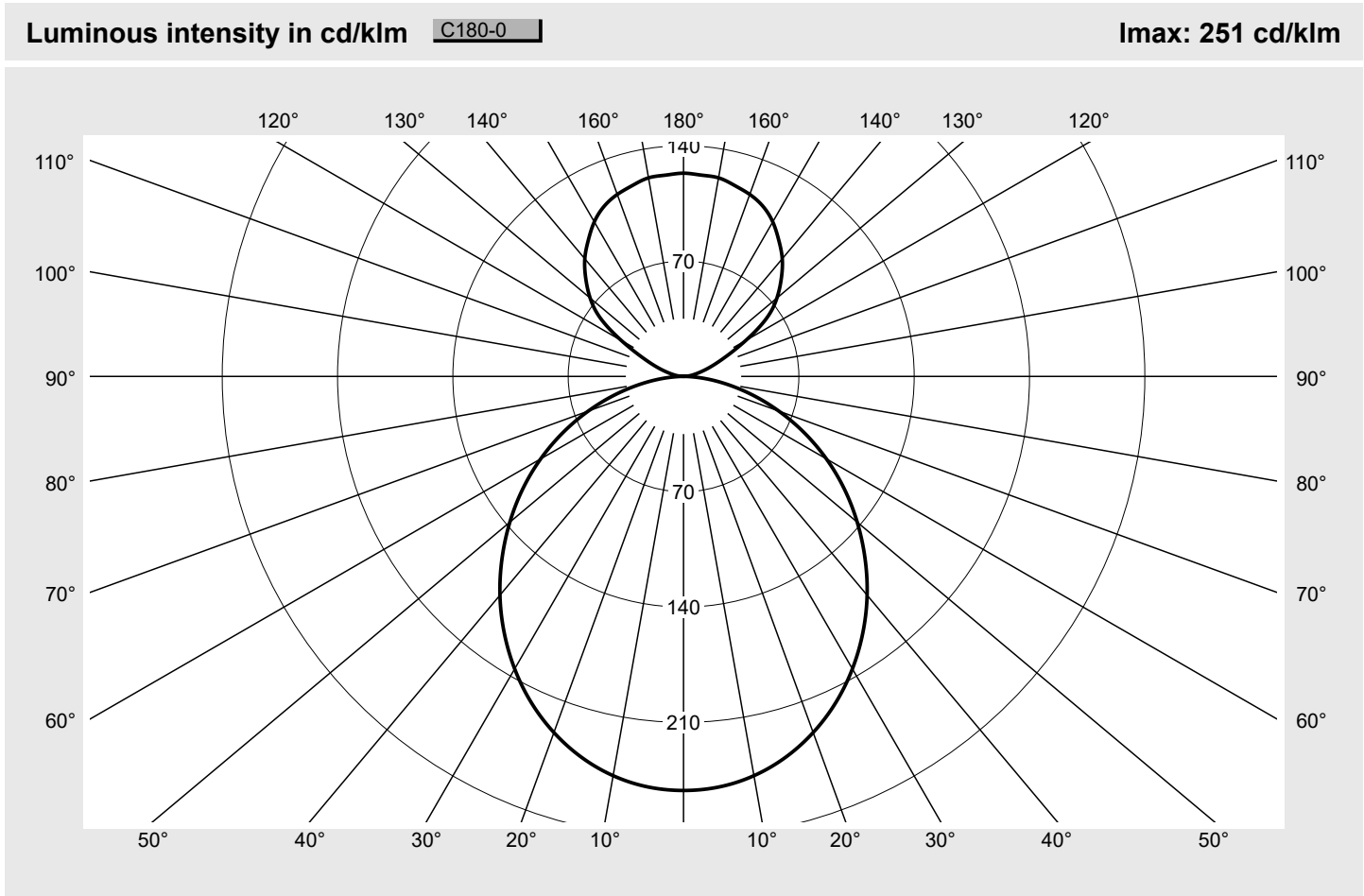


Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB3NBA EAN: 4069025802798	LP number 60084_2
	Version	Suspended luminaire, housing, black, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7490 lm Power consumption = 50.0 W Luminous efficacy = 149.8 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: 51ME31DB3NBA EAN: 4069025802798	LP number 60084_2
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: 51ME31DB3NBA EAN: 4069025802798	LP number 60084_2
------------------------------	--	----------------------

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: 51ME31DB3NBA
EAN: 4069025802798

LP number
60084_2

Luminance values in cd/m²

γ 65°

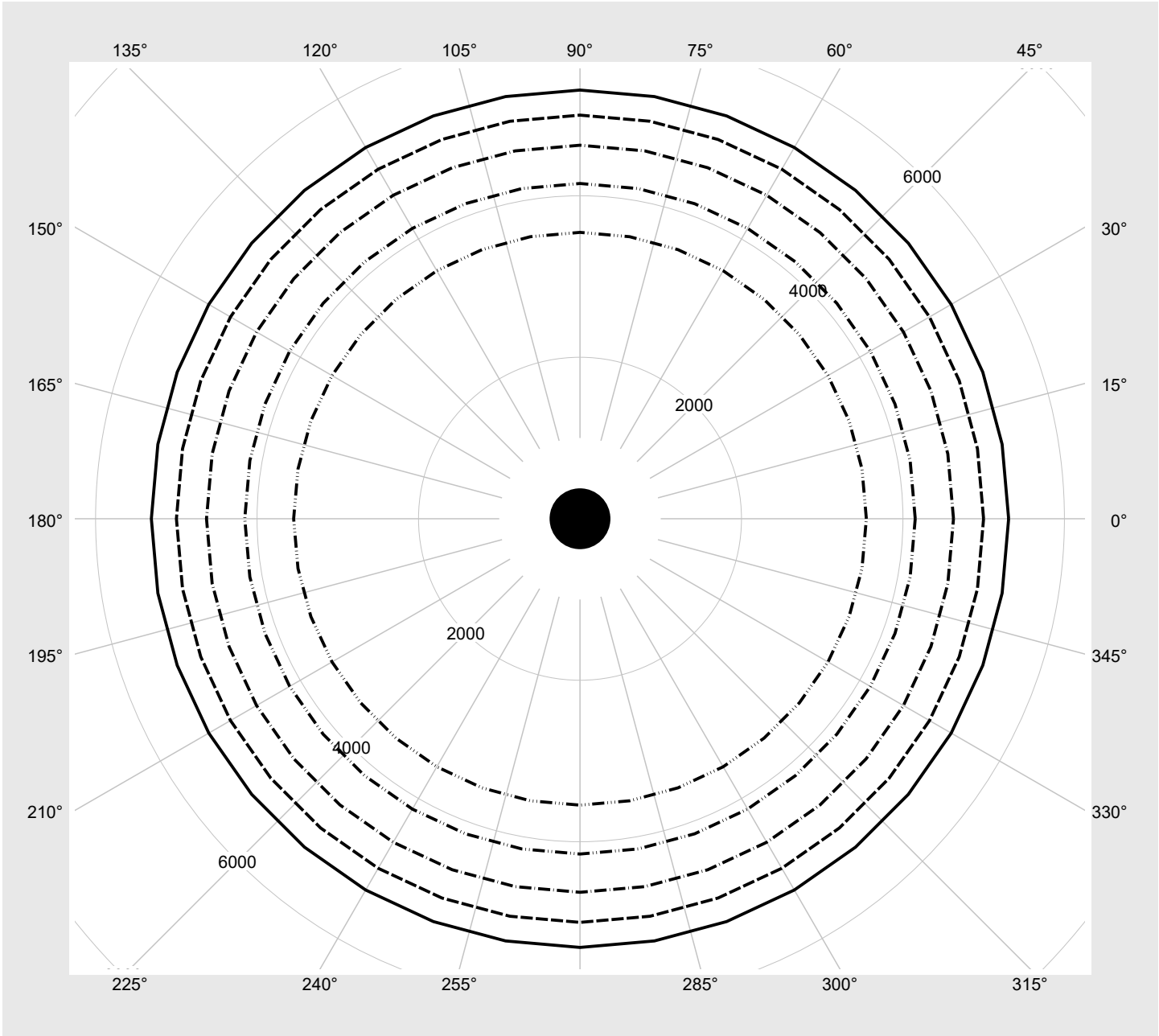
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB3NBA EAN: 4069025802798	LP number 60084_2
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	50.0
95	241	252	7111	47.4
90	228	250	6731	44.9
85	216	248	6379	42.6
80	203	246	5998	40.1
75	190	243	5617	37.7
70	177	241	5234	35.4
65	165	238	4879	33.1
60	152	235	4494	30.6
55	139	232	4108	28.2
50	127	229	3751	25.8
45	114	225	3364	23.3
40	102	221	3004	21.0
35	89	216	2616	18.5
30	77	210	2255	16.2
25	64	204	1865	13.8
20	52	196	1503	11.5
15	39	185	1111	9.0
10	27	172	748	6.2
5	15	150	384	3.1
2	7	122	141	1.1