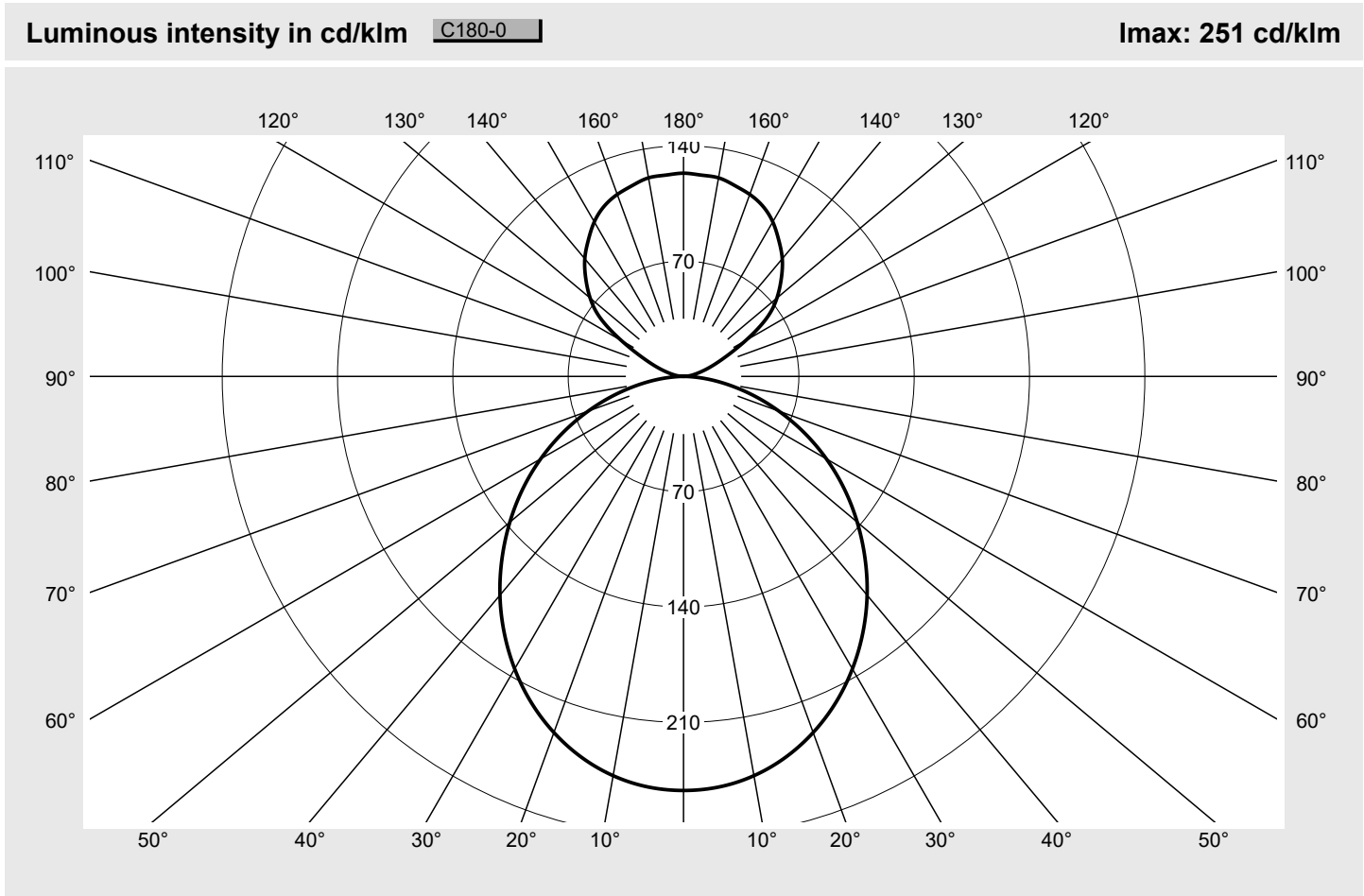


Photometric test report

Family Silica® 21 round L	Order number: 51ME31DC3NBA EAN: 4069025804518	LP number 60084_8
	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 = 13610 lm Power consumption = 89.0 W Luminous efficacy = 152.9 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 L	Order number: 51ME31DC3NBA EAN: 4069025804518	LP number 60084_8
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 L	Order number: 51ME31DC3NBA EAN: 4069025804518	LP number 60084_8
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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	15.5	16.7	16.3	17.4	18.4	15.5	16.7	16.3	17.4	18.4
	3H	17.0	18.0	17.7	18.8	19.8	17.0	18.0	17.7	18.8	19.8
	4H	17.6	18.5	18.4	19.3	20.3	17.6	18.5	18.4	19.3	20.3
	6H	18.0	18.9	18.8	19.7	20.7	18.0	18.9	18.8	19.7	20.7
	8H	18.1	18.9	18.9	19.7	20.8	18.1	18.9	18.9	19.7	20.8
	12H	18.2	19.0	19.1	19.8	20.9	18.2	19.0	19.1	19.8	20.9
4H	2H	16.1	17.1	16.9	17.9	18.9	16.1	17.1	16.9	17.9	18.9
	3H	17.8	18.6	18.6	19.4	20.5	17.8	18.6	18.6	19.4	20.5
	4H	18.5	19.2	19.3	20.1	21.1	18.5	19.2	19.3	20.1	21.1
	6H	19.1	19.7	19.9	20.6	21.6	19.1	19.7	19.9	20.6	21.6
	8H	19.2	19.8	20.1	20.6	21.7	19.2	19.8	20.1	20.6	21.7
	12H	19.4	19.9	20.2	20.7	21.8	19.4	19.9	20.2	20.7	21.8
8H	4H	18.7	19.3	19.6	20.2	21.3	18.7	19.3	19.6	20.2	21.3
	6H	19.4	19.8	20.3	20.7	21.9	19.4	19.8	20.3	20.7	21.9
	8H	19.7	20.1	20.6	21.0	22.1	19.7	20.1	20.6	21.0	22.1
	12H	19.9	20.3	20.8	21.2	22.3	19.9	20.3	20.8	21.2	22.3
12H	4H	18.8	19.3	19.7	20.2	21.3	18.8	19.3	19.7	20.2	21.3
	6H	19.5	19.9	20.4	20.8	21.9	19.5	19.9	20.4	20.8	21.9
	8H	19.8	20.2	20.7	21.1	22.2	19.8	20.2	20.7	21.1	22.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 886
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C-planes		0°
γ	Luminance in cd/m²	
45°	4861.8	
50°	4726.1	
55°	4585.7	
60°	4420.7	
65°	4220.1	
70°	3973.4	
75°	3677.2	
80°	3300.5	
85°	2819.3	

Photometric test report

Family
Silica® 21 round L

Order number: 51ME31DC3NBA
EAN: 4069025804518

LP number
60084_8

Luminance values in cd/m²

γ 65°

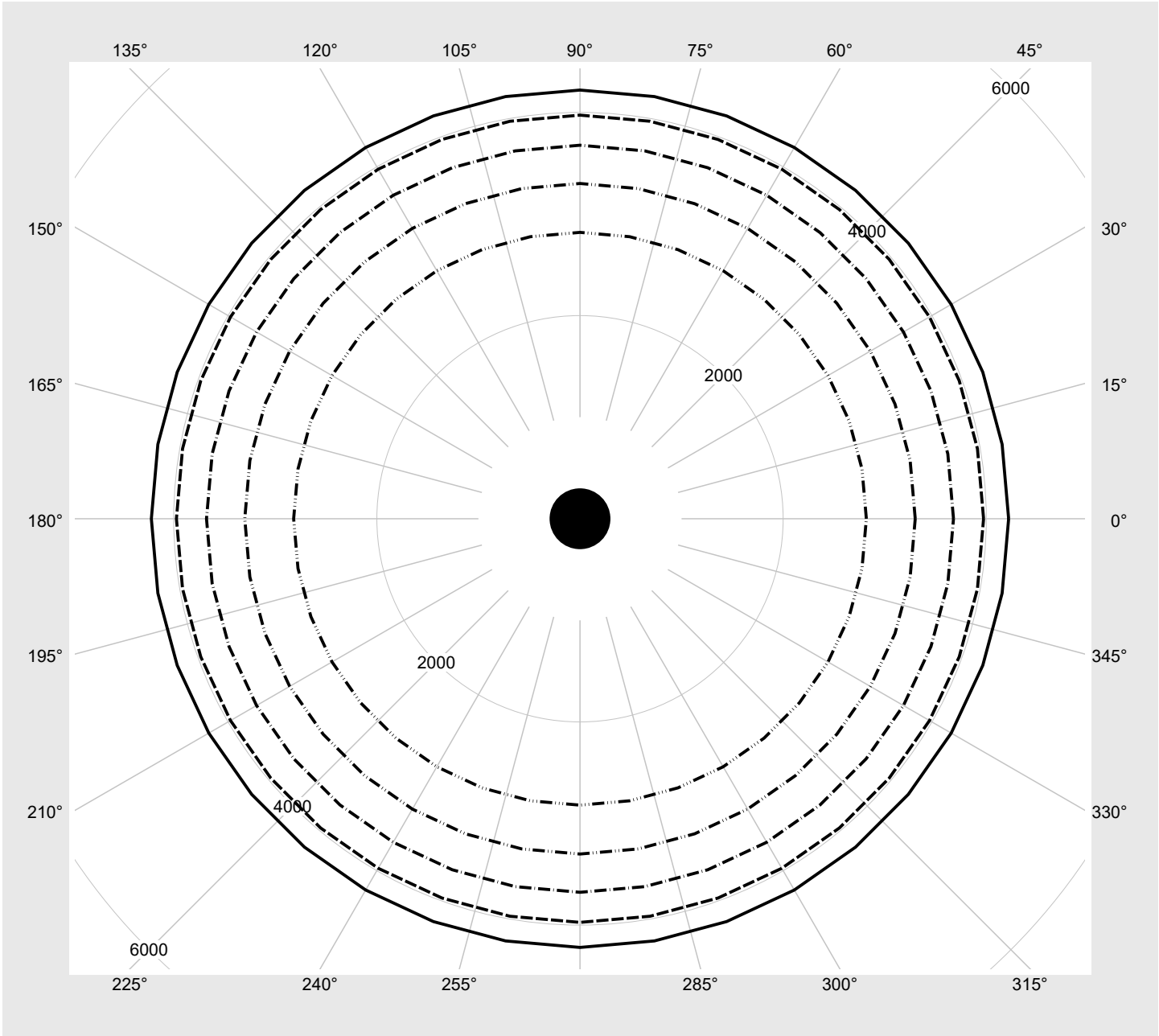
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round L	Order number: 51ME31DC3NBA EAN: 4069025804518	LP number 60084_8
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	13610	89.0
95	241	252	12920	84.6
90	228	250	12228	80.1
85	216	248	11588	75.9
80	203	246	10894	71.4
75	190	243	10197	66.9
70	178	241	9552	62.8
65	165	238	8852	58.4
60	152	235	8151	53.9
55	140	232	7503	49.8
50	127	229	6800	45.5
45	115	225	6147	41.4
40	102	221	5440	37.0
35	90	216	4787	33.0
30	77	210	4078	28.9
25	65	204	3421	25.0
20	52	196	2710	20.5
15	40	186	2051	16.2
10	27	172	1337	11.4
5	15	150	677	7.0
2	8	127	290	4.5