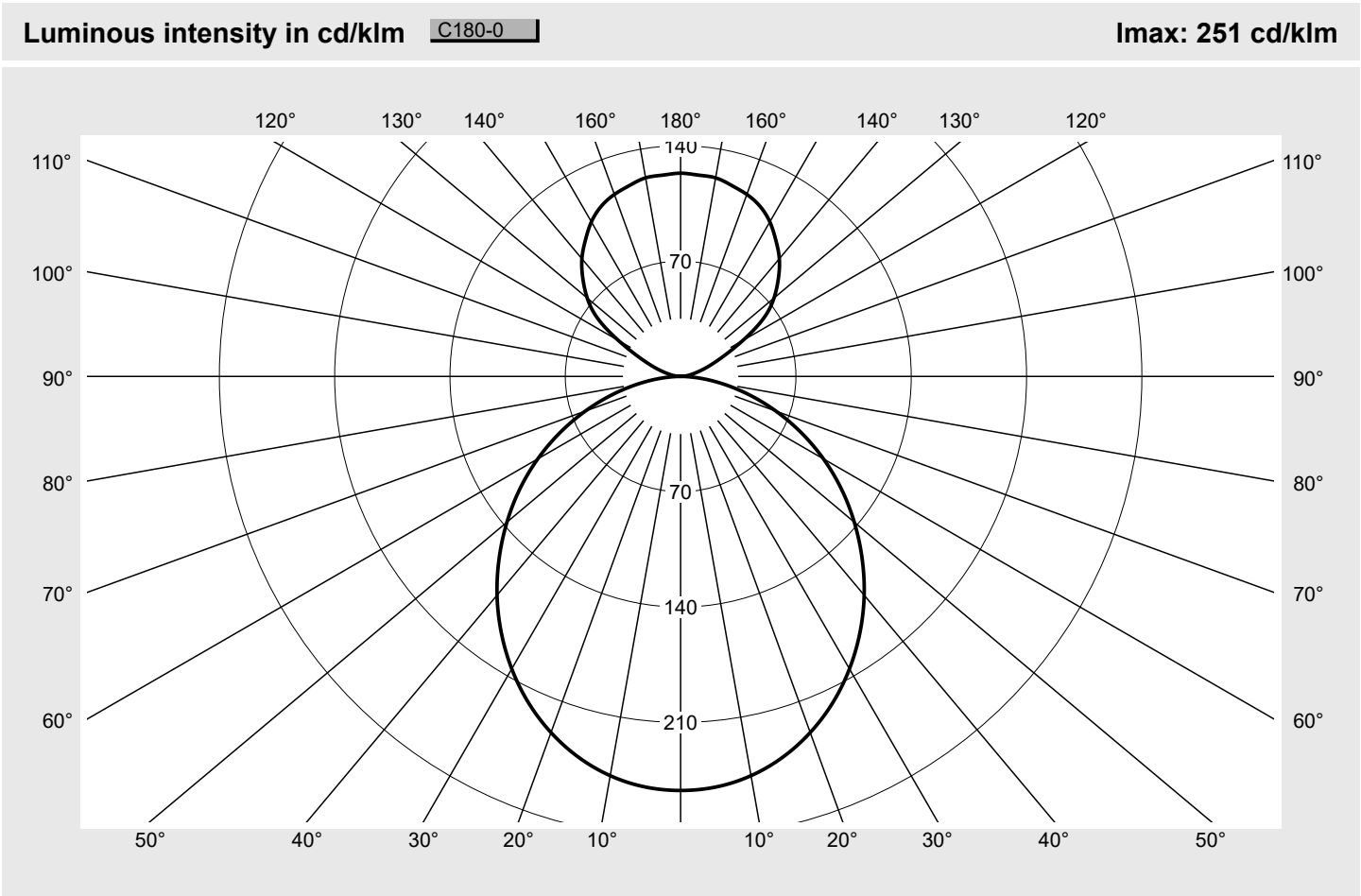


Photometric test report

Family Silica® 21 round L	Order number: 51ME31DC4NBA EAN: 4069025804587	LP number 60084_9
	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 = 14200 lm Power consumption = 88.7 W Luminous efficacy = 160.1 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

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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: 51ME31DC4NBA EAN: 4069025804587							LP number 60084_9	
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	15.7	16.8	16.4	17.6	18.5	15.7	16.8	16.4	17.6	18.5
	3H	17.1	18.1	17.9	18.9	19.9	17.1	18.1	17.9	18.9	19.9
	4H	17.7	18.7	18.5	19.5	20.5	17.7	18.7	18.5	19.5	20.5
	6H	18.2	19.1	19.0	19.9	20.9	18.2	19.1	19.0	19.9	20.9
	8H	18.3	19.1	19.1	19.9	20.9	18.3	19.1	19.1	19.9	20.9
	12H	18.4	19.1	19.2	20.0	21.0	18.4	19.1	19.2	20.0	21.0
4H	2H	16.3	17.2	17.1	18.0	19.0	16.3	17.2	17.1	18.0	19.0
	3H	17.9	18.7	18.8	19.6	20.6	17.9	18.7	18.8	19.6	20.6
	4H	18.7	19.4	19.5	20.2	21.3	18.7	19.4	19.5	20.2	21.3
	6H	19.2	19.9	20.1	20.7	21.8	19.2	19.9	20.1	20.7	21.8
	8H	19.3	19.9	20.2	20.8	21.9	19.3	19.9	20.2	20.8	21.9
	12H	19.5	20.0	20.4	20.9	22.0	19.5	20.0	20.4	20.9	22.0
8H	4H	18.9	19.4	19.7	20.3	21.4	18.9	19.4	19.7	20.3	21.4
	6H	19.5	20.0	20.4	20.9	22.0	19.5	20.0	20.4	20.9	22.0
	8H	19.8	20.2	20.7	21.1	22.2	19.8	20.2	20.7	21.1	22.2
	12H	20.0	20.4	21.0	21.3	22.4	20.0	20.4	21.0	21.3	22.4
12H	4H	18.9	19.4	19.8	20.3	21.4	18.9	19.4	19.8	20.3	21.4
	6H	19.7	20.1	20.5	21.0	22.1	19.7	20.1	20.5	21.0	22.1
	8H	19.9	20.3	20.8	21.2	22.3	19.9	20.3	20.8	21.2	22.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 886
C-planes	0°		
γ	Luminance in cd/m²		
45°	5072.5		
50°	4931.0		
55°	4784.5		
60°	4612.3		
65°	4403.1		
70°	4145.6		
75°	3836.7		
80°	3443.6		
85°	2941.5		

Photometric test report

Family
Silica® 21 round L

Order number: 51ME31DC4NBA
EAN: 4069025804587

LP number
60084_9

Luminance values in cd/m²

γ 65°

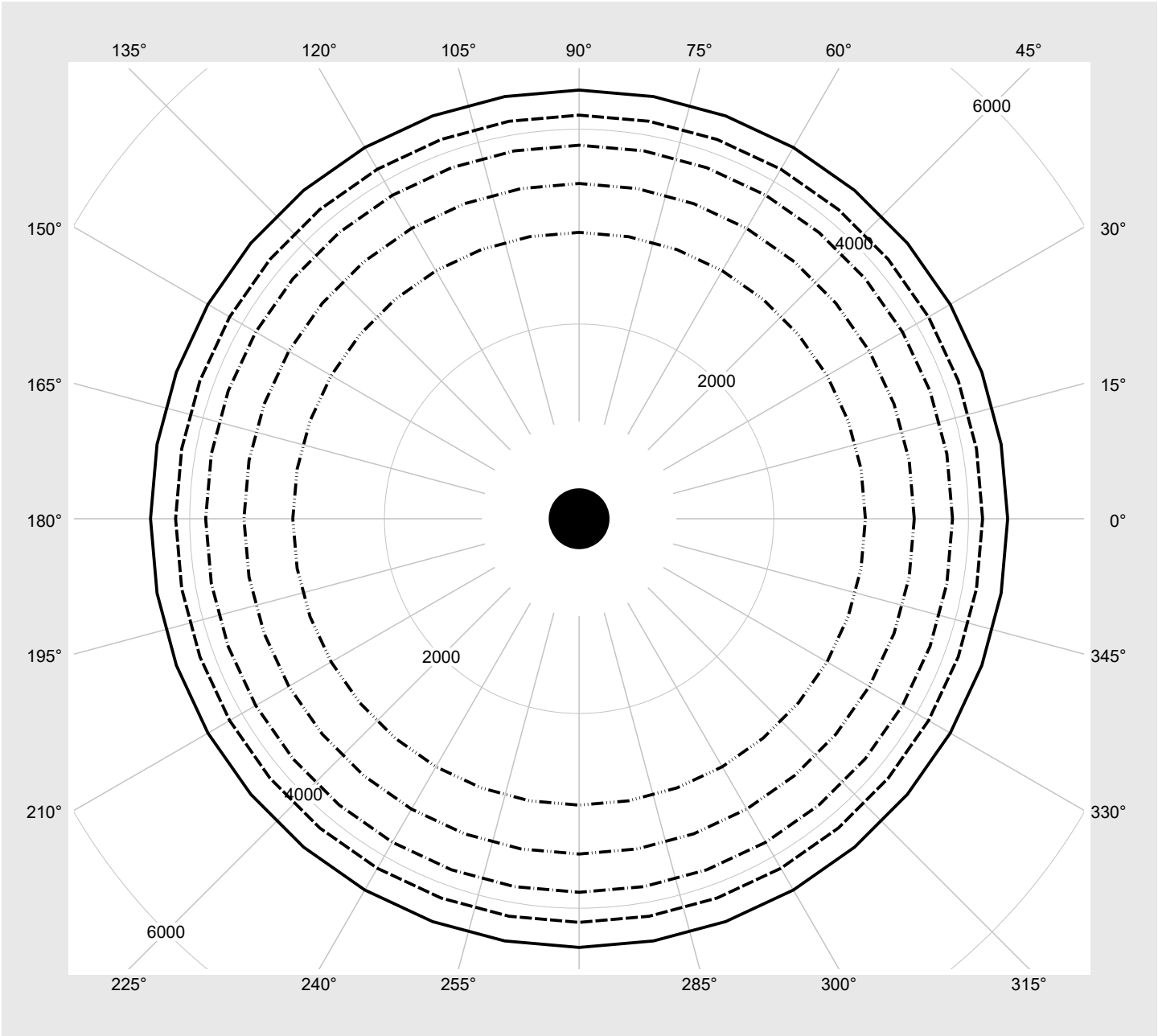
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

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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	14200	88.7
95	241	252	13478	84.3
90	228	250	12755	79.8
85	216	248	12085	75.6
80	203	246	11360	71.2
75	190	243	10632	66.7
70	178	241	9958	62.6
65	165	238	9228	58.2
60	152	235	8495	53.7
55	140	232	7819	49.6
50	127	229	7085	45.3
45	115	225	6404	41.3
40	102	221	5667	36.9
35	90	216	4986	32.9
30	77	210	4247	28.8
25	65	204	3563	24.9
20	52	196	2821	20.4
15	40	186	2135	16.2
10	28	173	1449	11.8
5	15	150	704	7.0
2	8	127	302	4.5