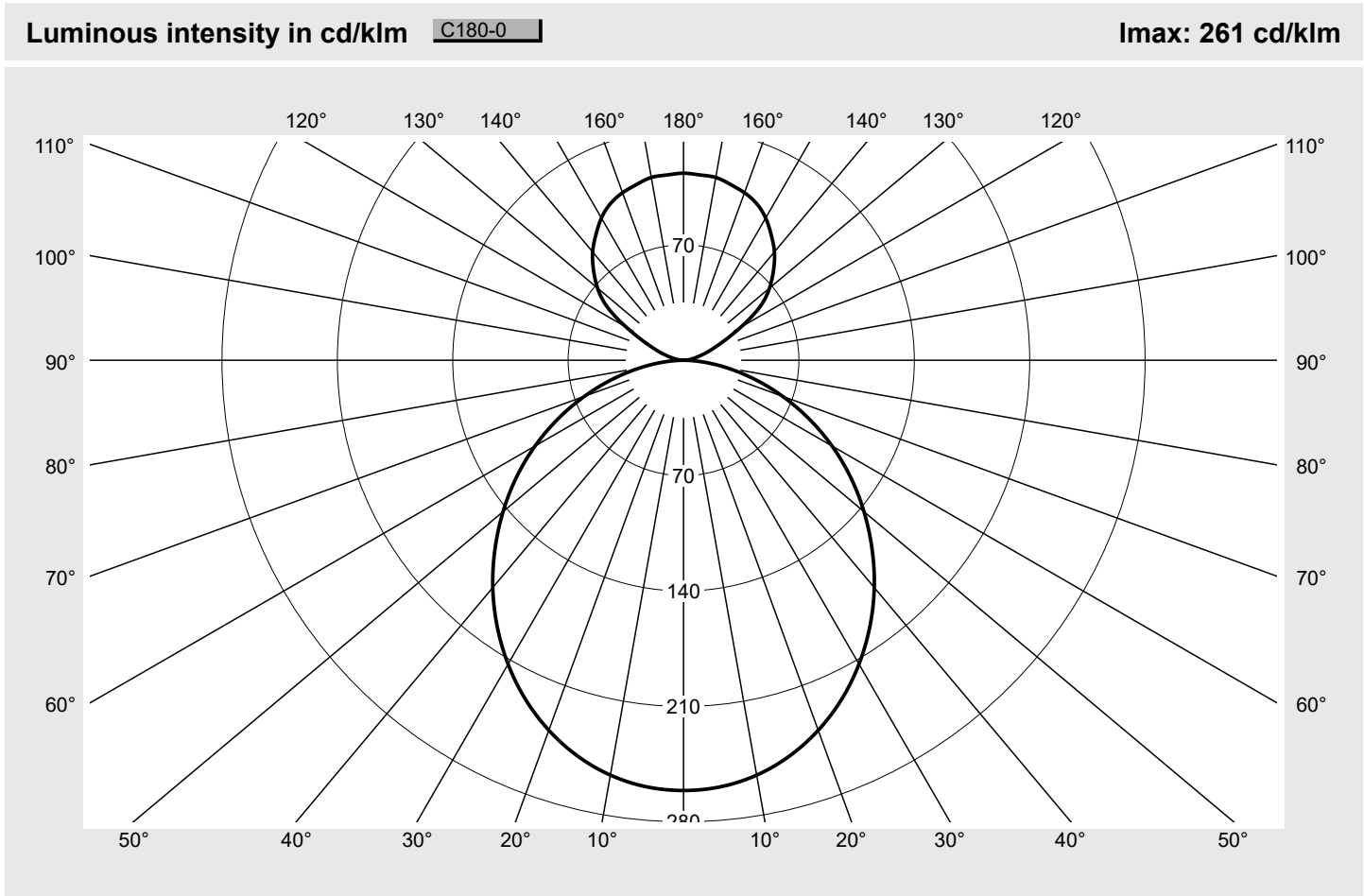


Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB3NWA EAN: 4069025802835	LP number 60083_2
	Version	Suspended luminaire, housing, white, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7210 lm Power consumption = 46.0 W Luminous efficacy = 156.7 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	70.2%
	N4=70 N5=100	ϕ_o	29.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB3NWA EAN: 4069025802835	LP number 60083_2
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°	261.0	1.6	1.6
5°	259.7	12.4	14.0
10°	255.6	24.3	38.3
15°	248.6	35.3	73.6
20°	238.9	44.8	118.3
25°	227.0	52.6	170.9
30°	212.9	58.3	229.3
35°	197.1	62.0	291.2
40°	180.0	63.4	354.7
45°	161.7	62.7	417.3
50°	142.9	60.0	477.4
55°	123.7	55.6	532.9
60°	104.0	49.4	582.3
65°	83.9	41.7	623.9
70°	63.9	32.9	656.9
75°	44.8	23.7	680.6
80°	27.0	14.6	695.1
85°	11.6	6.3	701.4
90°	0.6	0.3	701.8
95°	2.6	1.4	703.2
100°	5.8	3.1	706.3
105°	10.2	5.4	711.8
110°	16.8	8.7	720.4
115°	26.0	12.9	733.3
120°	40.1	19.0	752.4
125°	56.6	25.4	777.8
130°	68.1	28.6	806.4
135°	77.2	29.9	836.3
140°	85.8	30.2	866.5
145°	92.8	29.2	895.7
150°	99.6	27.3	923.0
155°	104.9	24.3	947.3
160°	108.1	20.3	967.6
165°	110.4	15.7	983.2
170°	112.6	10.7	993.9
175°	112.9	5.4	999.3
180°	113.5	0.7	1000.0

Photometric test report

Family Silica® 21 round M			Order number: 51ME31DB3NWA EAN: 4069025802835							LP number 60083_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	16.5	17.7	17.2	18.4	19.3	16.5	17.7	17.2	18.4	19.3
	3H	18.0	19.0	18.7	19.8	20.7	18.0	19.0	18.7	19.8	20.7
	4H	18.6	19.5	19.3	20.3	21.3	18.6	19.5	19.3	20.3	21.3
	6H	19.0	19.9	19.8	20.7	21.7	19.0	19.9	19.8	20.7	21.7
	8H	19.1	19.9	19.9	20.7	21.7	19.1	19.9	19.9	20.7	21.7
	12H	19.2	20.0	20.0	20.8	21.8	19.2	20.0	20.0	20.8	21.8
4H	2H	17.1	18.1	17.9	18.9	19.8	17.1	18.1	17.9	18.9	19.8
	3H	18.8	19.6	19.6	20.4	21.4	18.8	19.6	19.6	20.4	21.4
	4H	19.5	20.2	20.3	21.1	22.1	19.5	20.2	20.3	21.1	22.1
	6H	20.1	20.7	20.9	21.6	22.6	20.1	20.7	20.9	21.6	22.6
	8H	20.2	20.8	21.0	21.6	22.7	20.2	20.8	21.0	21.6	22.7
	12H	20.4	20.9	21.2	21.7	22.8	20.4	20.9	21.2	21.7	22.8
8H	4H	19.7	20.3	20.6	21.2	22.2	19.7	20.3	20.6	21.2	22.2
	6H	20.4	20.9	21.2	21.7	22.8	20.4	20.9	21.2	21.7	22.8
	8H	20.7	21.1	21.5	22.0	23.1	20.7	21.1	21.5	22.0	23.1
	12H	20.9	21.3	21.8	22.2	23.2	20.9	21.3	21.8	22.2	23.2
12H	4H	19.8	20.3	20.6	21.2	22.2	19.8	20.3	20.6	21.2	22.2
	6H	20.5	20.9	21.4	21.8	22.9	20.5	20.9	21.4	21.8	22.9
	8H	20.8	21.2	21.7	22.0	23.1	20.8	21.2	21.7	22.0	23.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 586
C-planes	0°		
γ	Luminance in cd/m²		
45°	6114.1		
50°	5943.5		
55°	5766.9		
60°	5559.4		
65°	5307.2		
70°	4996.9		
75°	4624.5		
80°	4150.6		
85°	3545.8		

Photometric test report

Family
Silica® 21 round M

Order number: 51ME31DB3NWA
EAN: 4069025802835

LP number
60083_2

Luminance values in cd/m²

γ 65°

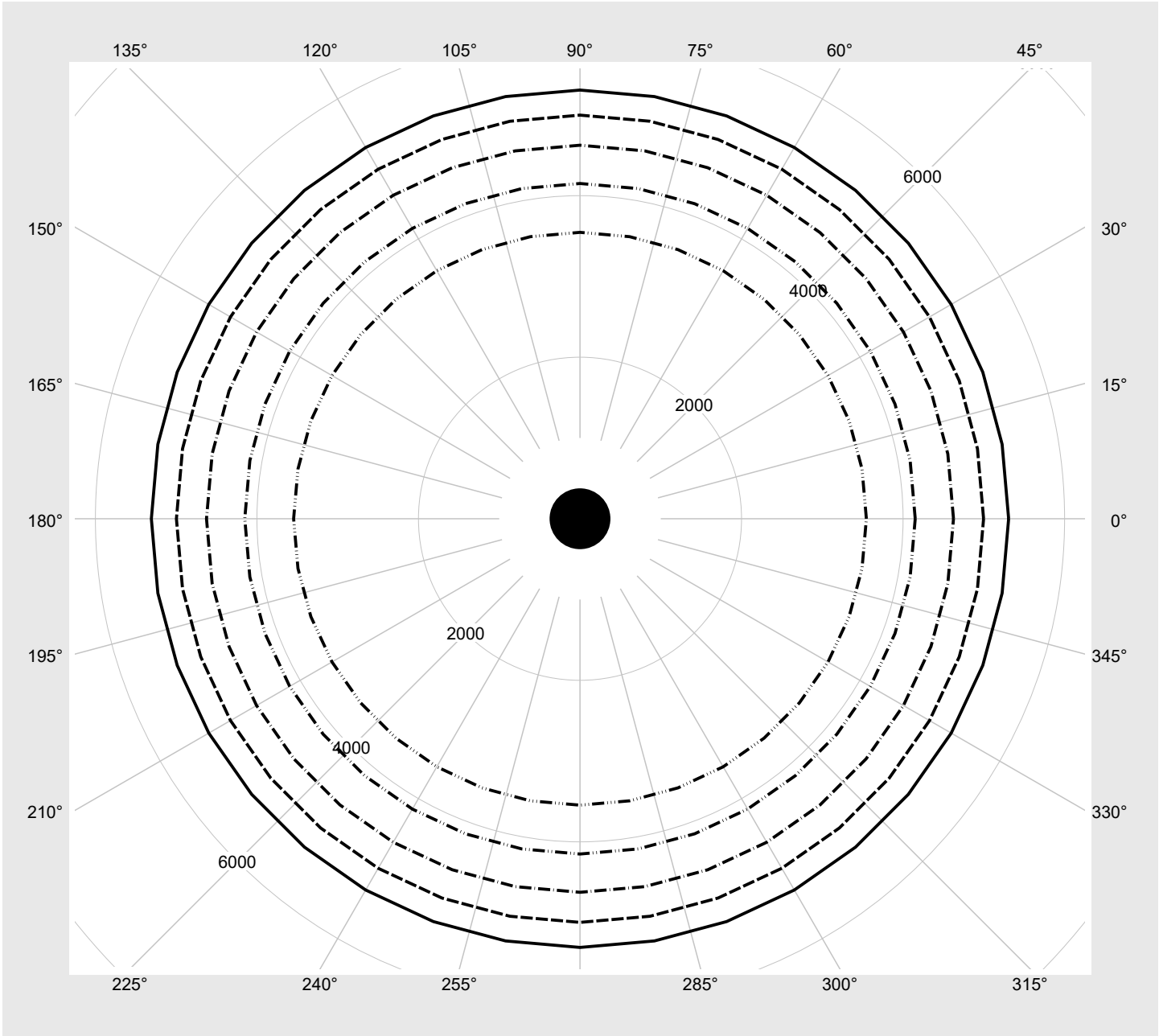
γ 70°

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	7210	46.0
95	241	252	6844	43.7
90	228	250	6477	41.4
85	216	248	6139	39.4
80	203	246	5772	37.2
75	190	243	5403	35.0
70	177	241	5033	32.7
65	165	238	4692	30.6
60	152	235	4320	28.4
55	140	232	3977	26.2
50	127	229	3605	23.9
45	114	225	3231	21.6
40	102	221	2886	19.5
35	89	216	2511	17.1
30	77	210	2164	15.0
25	65	204	1817	13.0
20	52	196	1440	10.7
15	40	186	1091	8.5
10	27	172	713	5.6
5	15	150	364	2.8
2	7	122	130	0.9