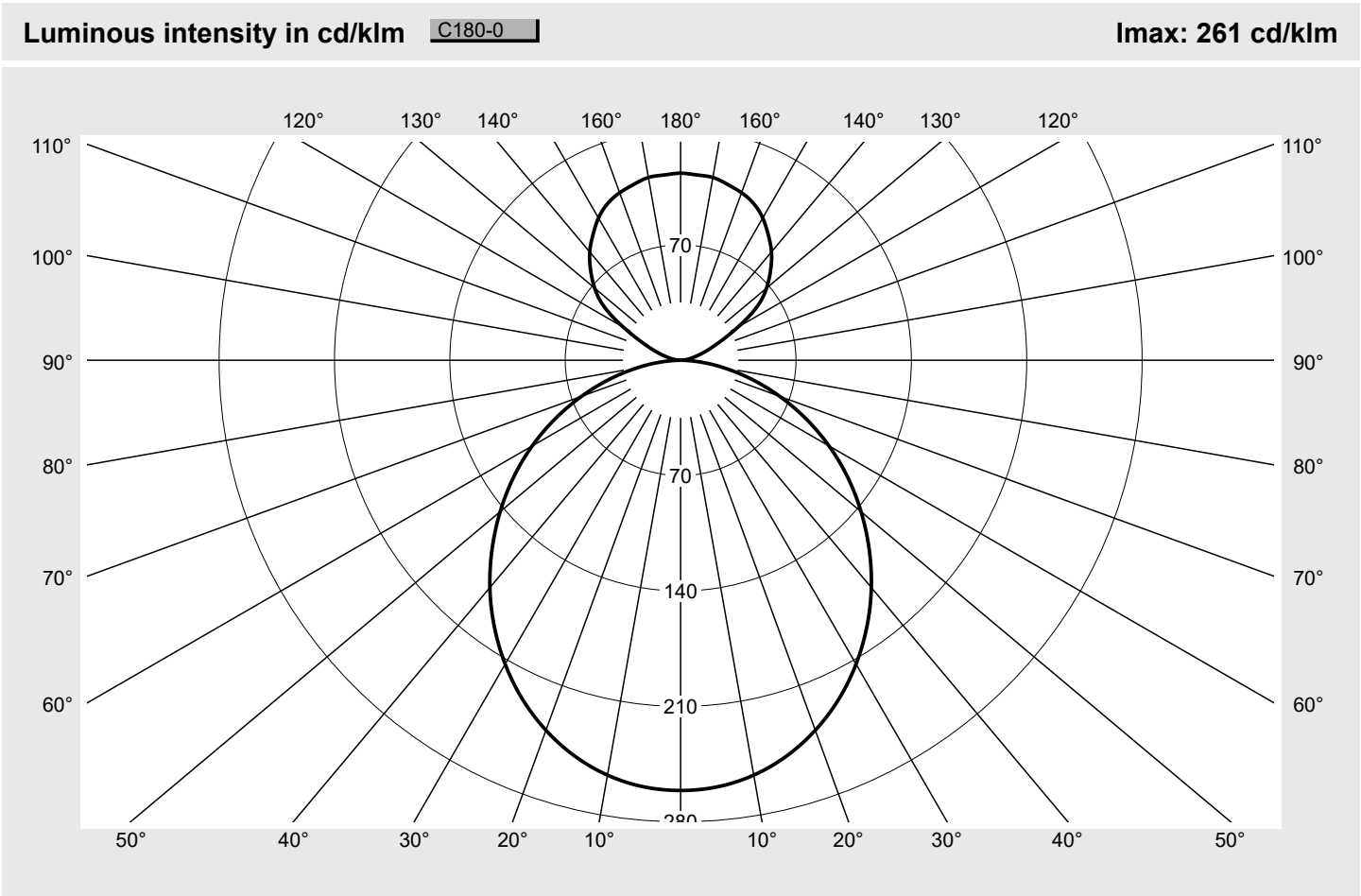


Photometric test report

Family Silica® 21 round M	Order number: 51MF31DBD NWA EAN: 4069025807571	LP number 60083_6
	Version	Suspended luminaire, housing, white, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 3000 K CRI ≥ 90
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7210 lm Power consumption = 44.2 W Luminous efficacy = 163.1 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	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: 51MF31DBDNWA EAN: 4069025807571	LP number 60083_6
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: 51MF31DBDNWA EAN: 4069025807571							LP number 60083_6	
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: 51MF31DBDNWA
EAN: 4069025807571

LP number
60083_6

Luminance values in cd/m²

γ 65°

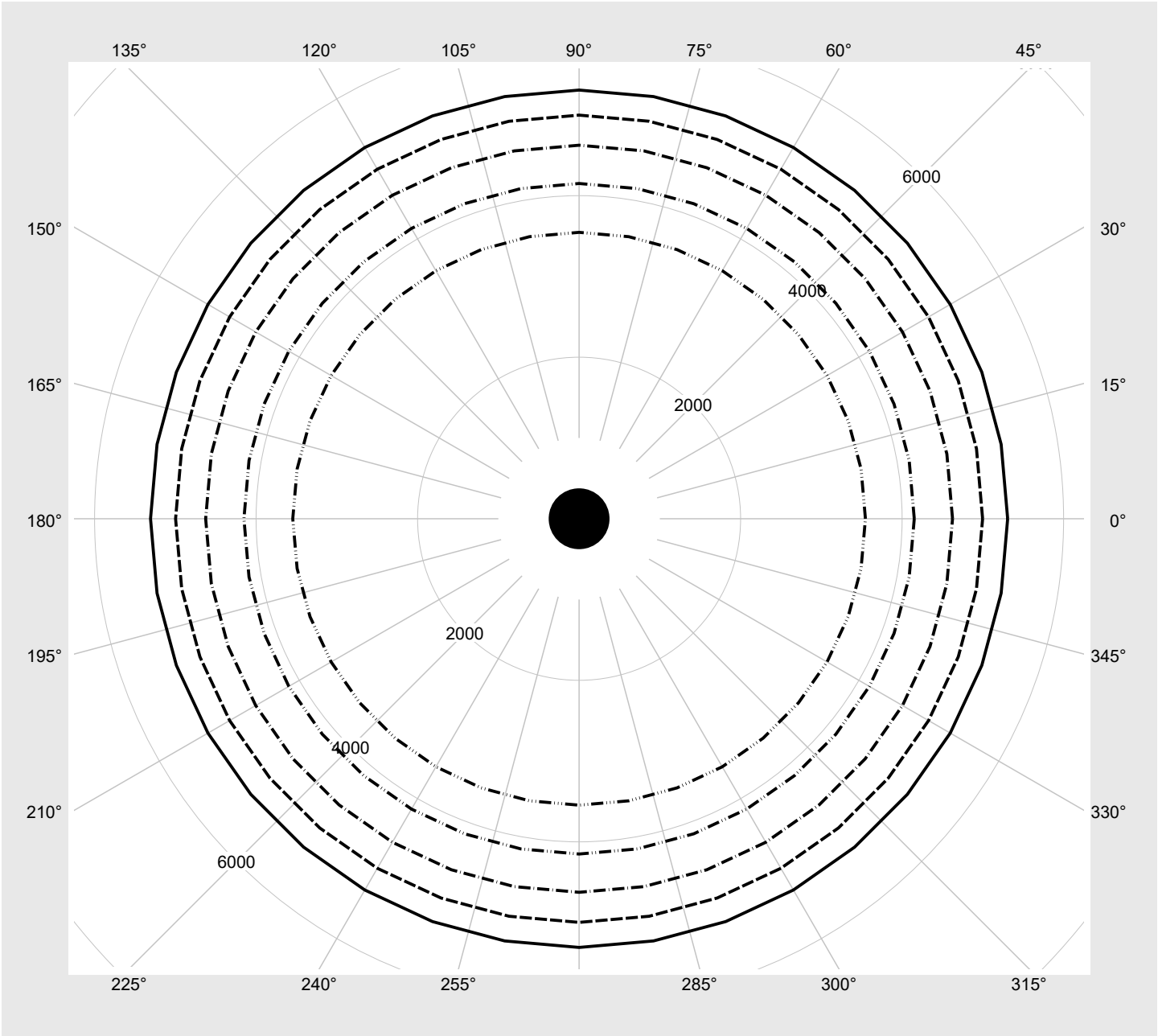
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round M	Order number: 51MF31DBDNWA EAN: 4069025807571	LP number 60083_6
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7210	44.2
95	241	252	6853	41.9
90	228	250	6494	39.8
85	215	248	6136	37.6
80	202	246	5774	35.5
75	189	243	5412	33.3
70	176	241	5048	31.1
65	163	238	4683	28.9
60	150	235	4316	26.7
55	138	232	3976	24.6
50	125	228	3607	22.3
45	112	224	3235	20.1
40	100	220	2892	18.0
35	87	215	2519	15.8
30	75	209	2172	13.9
25	62	202	1796	11.7
20	50	194	1447	9.8
15	37	183	1069	7.4
10	25	169	718	4.7
5	13	145	366	2.0
3	8	127	219	1.1