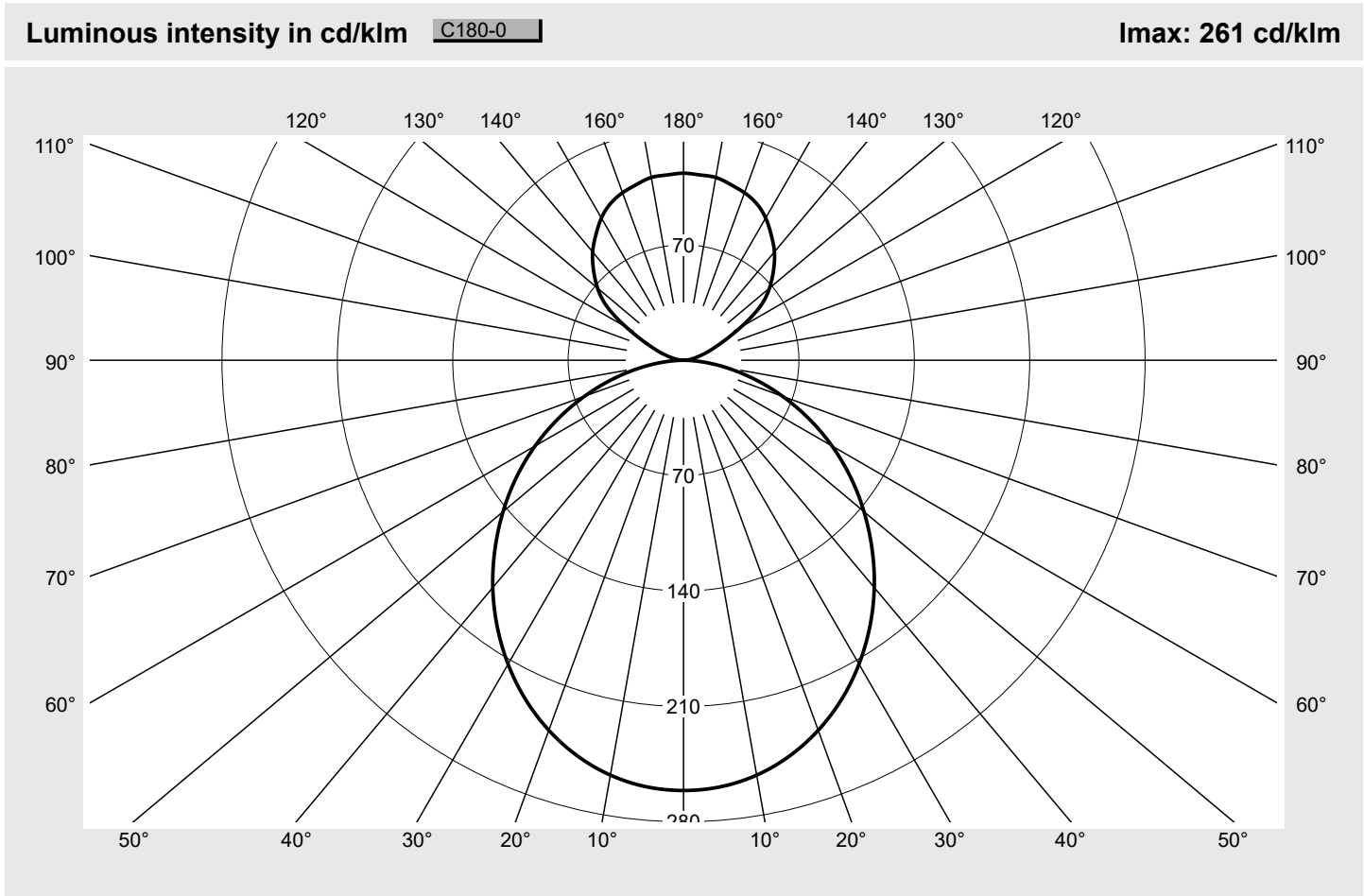


Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB4NWA EAN: 4069025802897	LP number 60083_3
	Version	Suspended luminaire, housing, white, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7210 lm Power consumption = 44.0 W Luminous efficacy = 163.9 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	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: 51ME31DB4NWA EAN: 4069025802897	LP number 60083_3
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: 51ME31DB4NWA EAN: 4069025802897							LP number 60083_3	
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: 51ME31DB4NWA
EAN: 4069025802897

LP number
60083_3

Luminance values in cd/m²

γ 65°

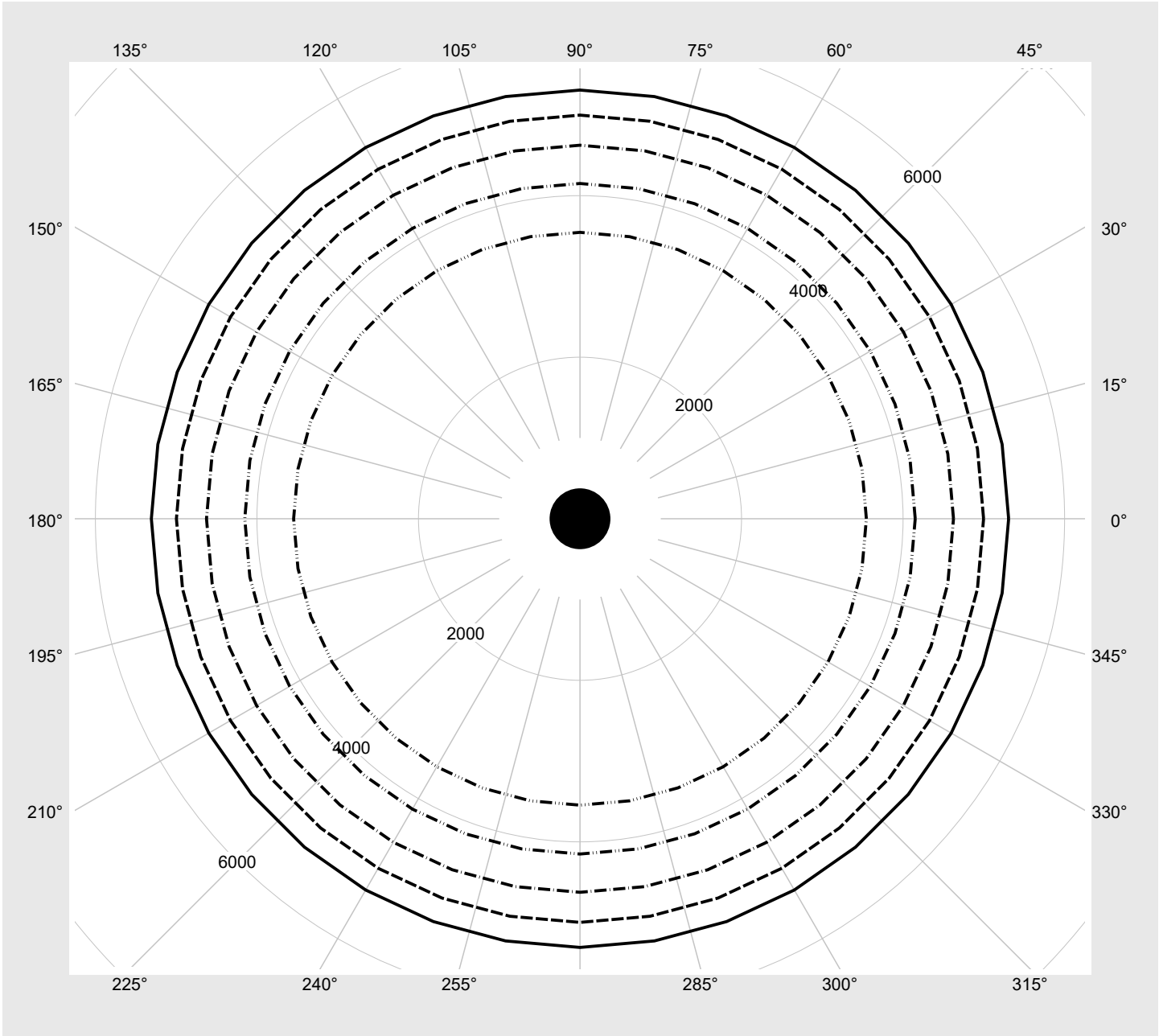
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round M	Order number: 51ME31DB4NWA EAN: 4069025802897	LP number 60083_3
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	44.0
95	241	252	6843	41.8
90	228	250	6476	39.7
85	216	248	6137	37.7
80	203	246	5767	35.7
75	190	243	5398	33.5
70	178	241	5056	31.6
65	165	238	4686	29.4
60	152	235	4314	27.1
55	140	232	3970	25.1
50	127	229	3597	22.9
45	115	225	3252	20.9
40	102	221	2878	18.6
35	90	216	2532	16.6
30	77	210	2157	14.4
25	65	204	1810	12.5
20	52	196	1434	10.3
15	40	186	1086	8.2
10	27	172	708	5.3
5	15	150	359	2.6
2	8	127	155	1.1