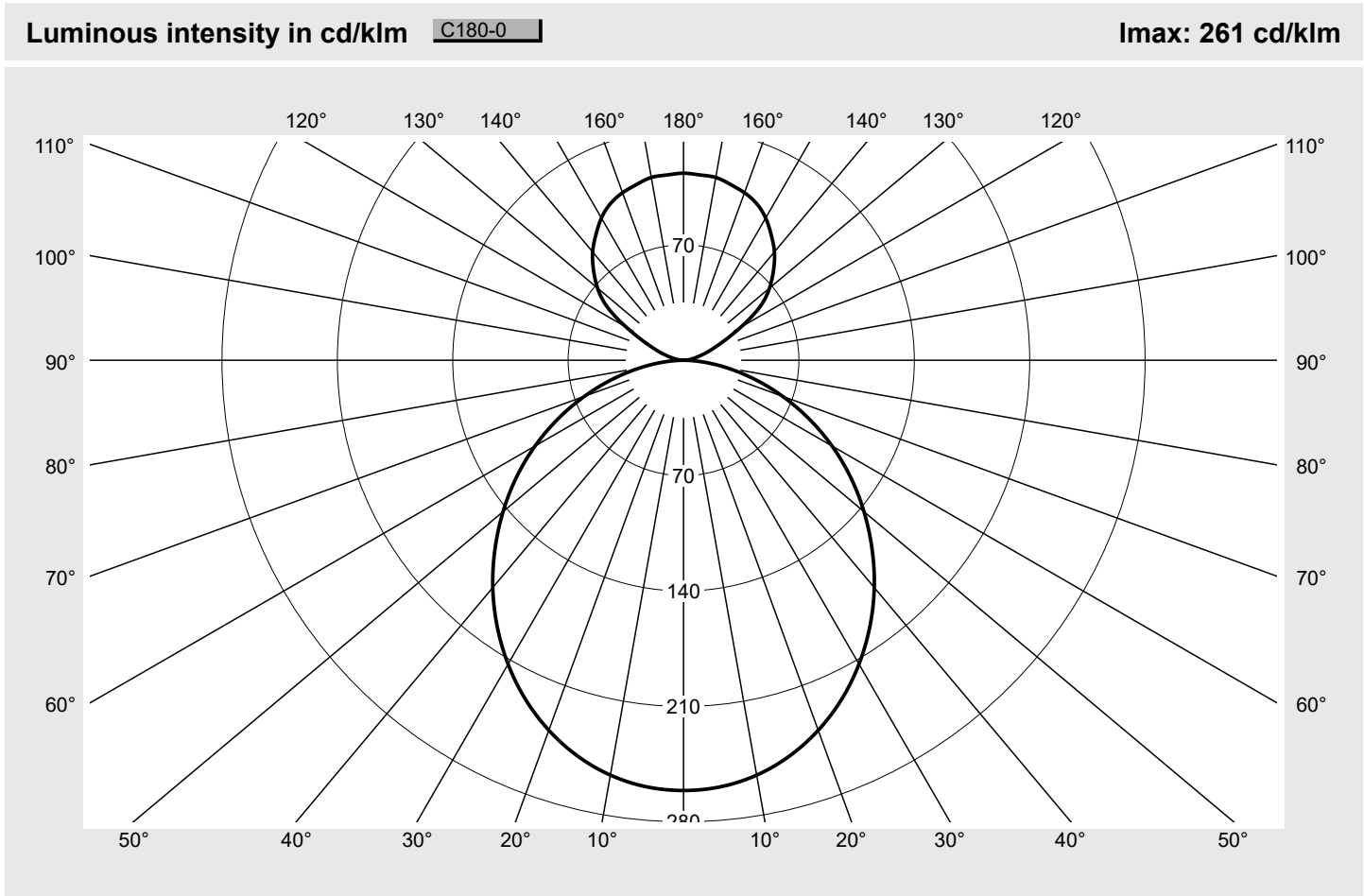


Photometric test report

Family Silica® 21 round L	Order number: 51ME31DC4NWA EAN: 4069025804617	LP number 60083_9
	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 = 14640 lm Power consumption = 88.7 W Luminous efficacy = 165.1 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 L	Order number: 51ME31DC4NWA EAN: 4069025804617	LP number 60083_9
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 L	Order number: 51ME31DC4NWA EAN: 4069025804617	LP number 60083_9
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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	16.1	17.3	16.8	18.0	18.9	16.1	17.3	16.8	18.0	18.9
	3H	17.5	18.6	18.3	19.3	20.3	17.5	18.6	18.3	19.3	20.3
	4H	18.2	19.1	18.9	19.9	20.9	18.2	19.1	18.9	19.9	20.9
	6H	18.6	19.5	19.4	20.3	21.3	18.6	19.5	19.4	20.3	21.3
	8H	18.7	19.5	19.5	20.3	21.3	18.7	19.5	19.5	20.3	21.3
	12H	18.8	19.6	19.6	20.4	21.4	18.8	19.6	19.6	20.4	21.4
4H	2H	16.7	17.7	17.5	18.5	19.4	16.7	17.7	17.5	18.5	19.4
	3H	18.4	19.2	19.2	20.0	21.0	18.4	19.2	19.2	20.0	21.0
	4H	19.1	19.8	19.9	20.7	21.7	19.1	19.8	19.9	20.7	21.7
	6H	19.7	20.3	20.5	21.1	22.2	19.7	20.3	20.5	21.1	22.2
	8H	19.8	20.4	20.6	21.2	22.3	19.8	20.4	20.6	21.2	22.3
	12H	20.0	20.5	20.8	21.3	22.4	20.0	20.5	20.8	21.3	22.4
8H	4H	19.3	19.9	20.2	20.7	21.8	19.3	19.9	20.2	20.7	21.8
	6H	20.0	20.5	20.8	21.3	22.4	20.0	20.5	20.8	21.3	22.4
	8H	20.3	20.7	21.1	21.6	22.6	20.3	20.7	21.1	21.6	22.6
	12H	20.5	20.9	21.4	21.7	22.8	20.5	20.9	21.4	21.7	22.8
12H	4H	19.4	19.9	20.2	20.7	21.8	19.4	19.9	20.2	20.7	21.8
	6H	20.1	20.5	21.0	21.4	22.5	20.1	20.5	21.0	21.4	22.5
	8H	20.4	20.8	21.3	21.6	22.7	20.4	20.8	21.3	21.6	22.7

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°	5430.9	
50°	5279.3	
55°	5122.5	
60°	4938.1	
65°	4714.1	
70°	4438.5	
75°	4107.7	
80°	3686.8	
85°	3149.5	

Photometric test report

Family
Silica® 21 round L

Order number: 51ME31DC4NWA
EAN: 4069025804617

LP number
60083_9

Luminance values in cd/m²

γ 65°

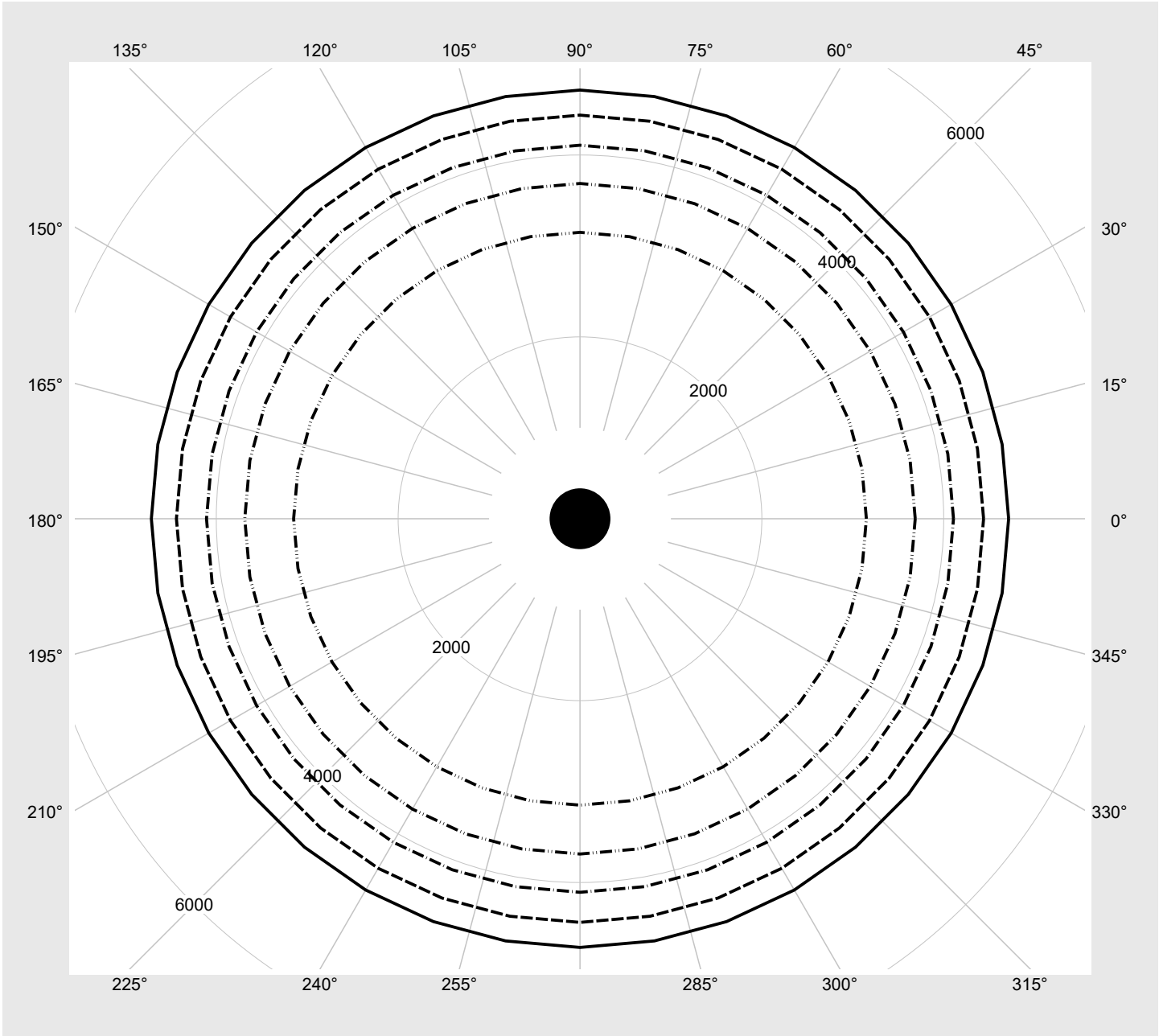
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Silica® 21 round L	Order number: 51ME31DC4NWA EAN: 4069025804617	LP number 60083_9
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14640	88.7
95	241	252	13895	84.3
90	228	250	13150	79.8
85	216	248	12460	75.6
80	203	246	11712	71.2
75	190	243	10961	66.7
70	178	241	10266	62.6
65	165	238	9514	58.2
60	152	235	8759	53.7
55	140	232	8061	49.6
50	127	229	7304	45.3
45	115	225	6603	41.3
40	102	221	5842	36.9
35	90	216	5140	32.9
30	77	210	4378	28.8
25	65	204	3673	24.9
20	52	196	2908	20.4
15	40	186	2201	16.2
10	28	173	1494	11.8
5	15	150	726	7.0
2	8	127	311	4.5