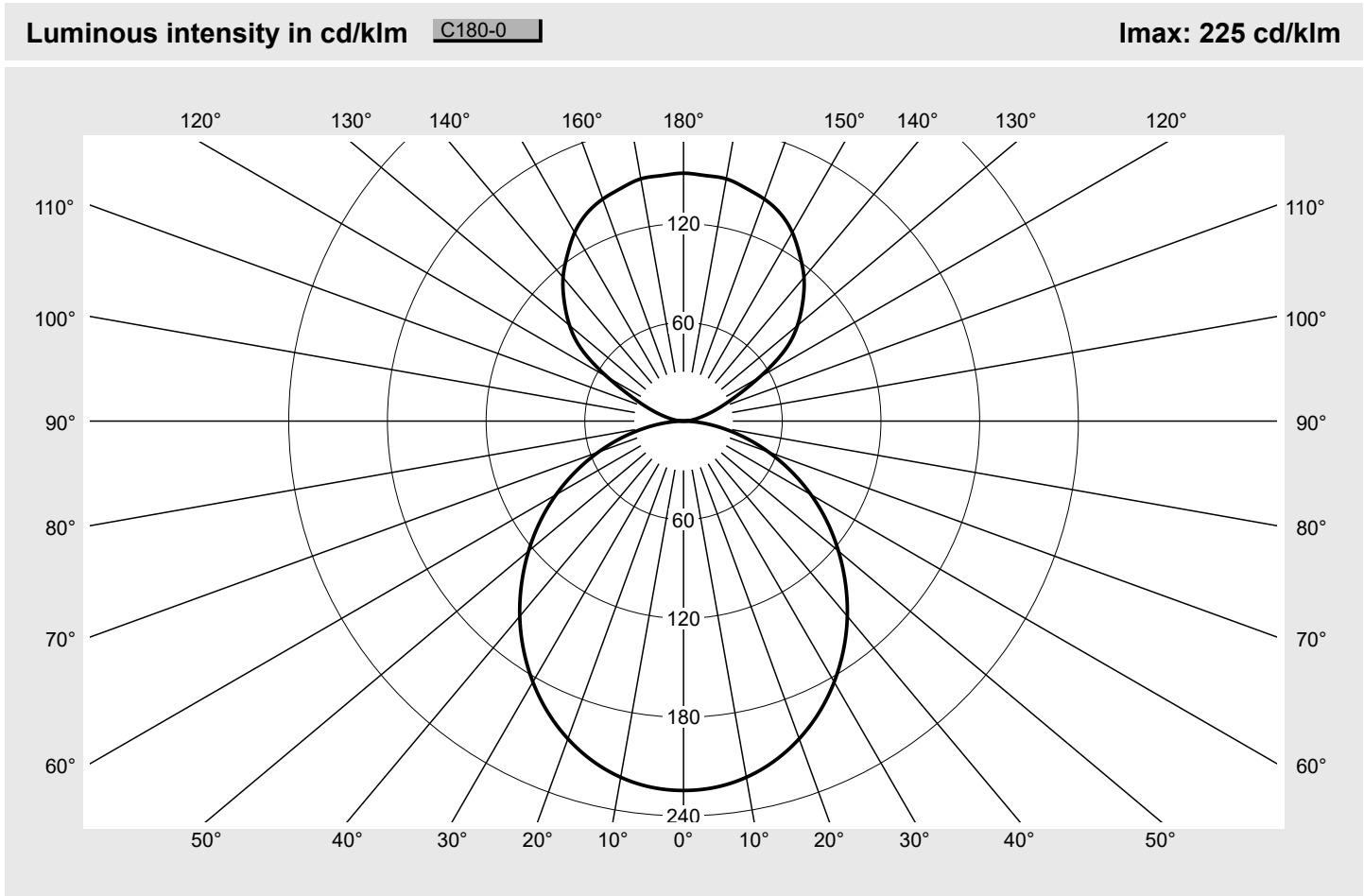


Photometric test report

Family Silica® 21 round S	Order number: 51MF31DADNBA EAN: 4069025807304	LP number 60078_6
	Version	Suspended luminaire, housing, black, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22
	Lamps	LED 3000 K CRI ≥ 90
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 3630 lm Power consumption = 26.7 W Luminous efficacy = 136 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	60.4%
	N4=60 N5=100	ϕ_o	39.6%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51MF31DADNBA EAN: 4069025807304	LP number 60078_6
Table of values for luminous intensities Maximum luminous intensity		sITeco

C- planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
0°	224.6	1.3	1.3
5°	223.5	10.7	12.0
10°	219.9	20.9	32.9
15°	213.9	30.3	63.3
20°	205.5	38.5	101.8
25°	195.3	45.2	147.1
30°	183.2	50.2	197.3
35°	169.6	53.3	250.6
40°	154.9	54.6	305.1
45°	139.1	53.9	359.1
50°	123.0	51.6	410.7
55°	106.5	47.8	458.5
60°	89.5	42.5	501.0
65°	72.2	35.9	536.8
70°	55.0	28.3	565.2
75°	38.5	20.4	585.6
80°	23.2	12.5	598.1
85°	9.9	5.4	603.5
90°	0.8	0.5	604.0
95°	3.4	1.9	605.8
100°	7.7	4.2	610.0
105°	13.6	7.2	617.2
110°	22.3	11.5	628.7
115°	34.5	17.1	645.9
120°	53.3	25.3	671.1
125°	75.2	33.8	704.9
130°	90.4	38.0	742.9
135°	102.5	39.7	782.6
140°	113.9	40.1	822.7
145°	123.2	38.7	861.5
150°	132.3	36.3	897.7
155°	139.3	32.3	930.0
160°	143.6	26.9	956.9
165°	146.6	20.8	977.7
170°	149.5	14.2	991.9
175°	149.9	7.2	999.1
180°	150.7	0.9	1000.0

Photometric test report

Family Silica® 21 round S	Order number: 51MF31DADNBA EAN: 4069025807304	LP number 60078_6
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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	15.8	16.8	16.6	17.7	18.7	15.8	16.8	16.6	17.7	18.7	
	3H	17.2	18.1	18.1	19.0	20.1	17.2	18.1	18.1	19.0	20.1	
	4H	17.8	18.7	18.7	19.6	20.7	17.8	18.7	18.7	19.6	20.7	
	6H	18.3	19.1	19.2	20.0	21.1	18.3	19.1	19.2	20.0	21.1	
	8H	18.3	19.1	19.2	20.0	21.1	18.3	19.1	19.2	20.0	21.1	
	12H	18.4	19.1	19.3	20.0	21.2	18.4	19.1	19.3	20.0	21.2	
4H	2H	16.4	17.2	17.2	18.1	19.2	16.4	17.2	17.2	18.1	19.2	
	3H	18.0	18.8	18.9	19.7	20.8	18.0	18.8	18.9	19.7	20.8	
	4H	18.7	19.4	19.6	20.3	21.5	18.7	19.4	19.6	20.3	21.5	
	6H	19.3	19.9	20.2	20.8	22.0	19.3	19.9	20.2	20.8	22.0	
	8H	19.4	19.9	20.3	20.9	22.1	19.4	19.9	20.3	20.9	22.1	
	12H	19.6	20.0	20.5	21.0	22.2	19.6	20.0	20.5	21.0	22.2	
8H	4H	18.9	19.4	19.9	20.4	21.6	18.9	19.4	19.9	20.4	21.6	
	6H	19.6	20.0	20.5	20.9	22.2	19.6	20.0	20.5	20.9	22.2	
	8H	19.9	20.2	20.8	21.2	22.4	19.9	20.2	20.8	21.2	22.4	
	12H	20.1	20.4	21.1	21.4	22.6	20.1	20.4	21.1	21.4	22.6	
12H	4H	19.0	19.4	19.9	20.4	21.6	19.0	19.4	19.9	20.4	21.6	
	6H	19.7	20.1	20.7	21.0	22.2	19.7	20.1	20.7	21.0	22.2	
	8H	20.0	20.3	21.0	21.3	22.5	20.0	20.3	21.0	21.3	22.5	

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 386
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C-planes	0°
γ	Luminance in cd/m²
45°	6104.0
50°	5933.7
55°	5757.4
60°	5550.2
65°	5298.5
70°	4988.7
75°	4616.8
80°	4143.7
85°	3539.9

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DADNBA
EAN: 4069025807304

LP number
60078_6

Luminance values in cd/m²

γ 65°

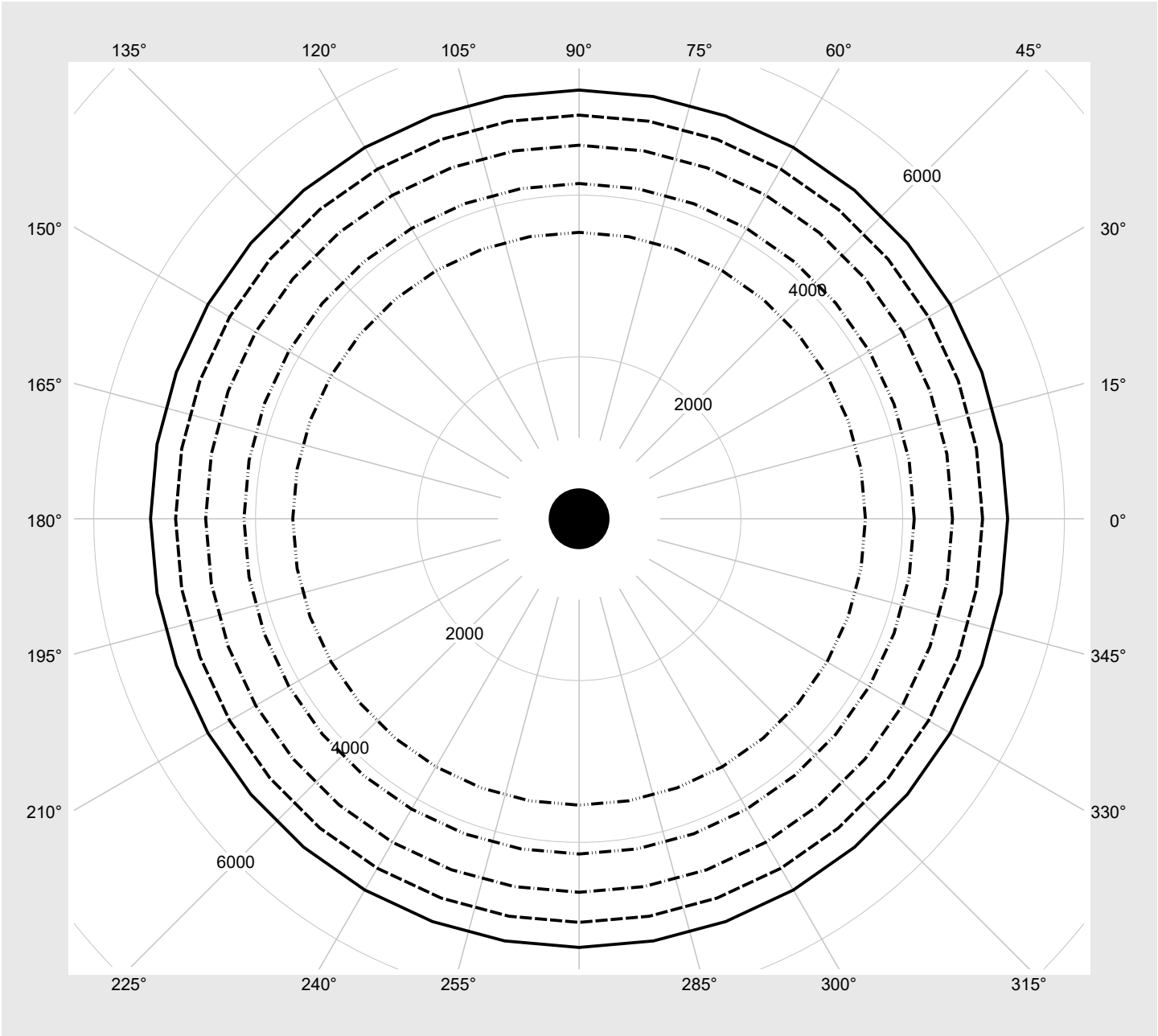
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF31DADNBA EAN: 4069025807304	LP number 60078_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	3630	26.7
95	241	252	3453	25.3
90	227	250	3261	23.9
85	214	248	3081	22.5
80	201	245	2900	21.2
75	188	243	2719	19.8
70	175	240	2537	18.5
65	162	238	2354	17.2
60	150	235	2184	16.0
55	137	231	1999	14.7
50	124	228	1813	13.3
45	112	224	1640	12.1
40	99	219	1453	10.8
35	86	214	1264	9.5
30	74	209	1089	8.3
25	62	202	914	7.1
20	49	194	723	5.8
15	37	183	545	4.5
10	25	169	367	3.3
5	13	145	188	1.9
3	8	127	113	1.3