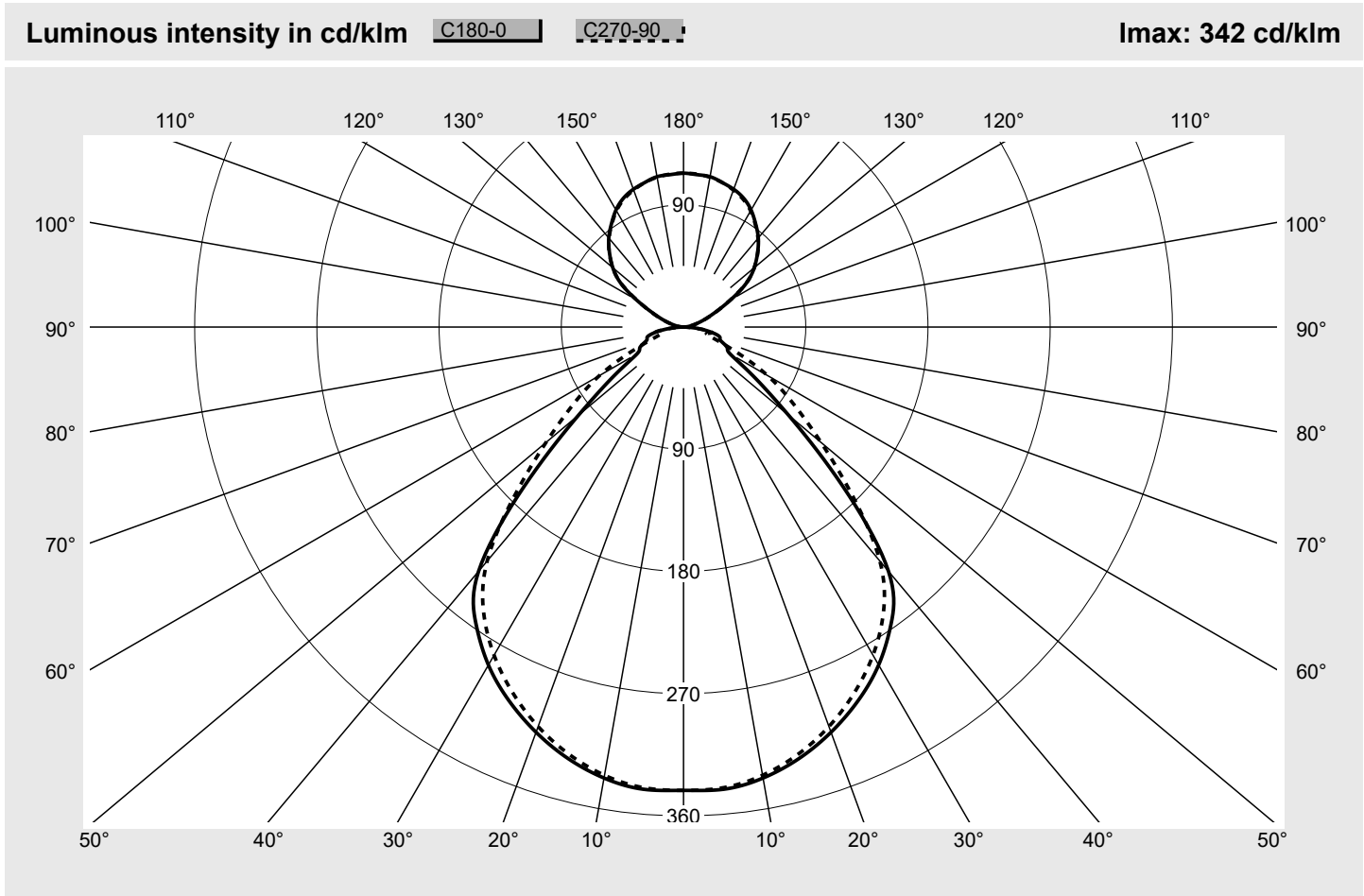


Photometric test report

Family Silica® 21 round M	Order number: 51MF33DB4MWA EAN: 4069025808233	LP number 60080_5
	Version	Suspended luminaire, housing, white, microprismatic optics, direct-/ indirect distribution, wide distribution, UGR≤19
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7920 lm Power consumption = 44.2 W Luminous efficacy = 179.2 lm/W
		serial documentation 20.05.2026
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	B 5 3	η_{LB}	100.0%
CIE	N1=64 N2=89 N3=97	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: 51MF33DB4MWA EAN: 4069025808233	LP number 60080_5
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	341.2	341.2	341.2	341.2	341.2	341.2	341.2	2.0	2.0
5°	341.7	339.9	337.9	339.1	340.7	340.5	340.5	16.2	18.3
10°	337.3	335.4	333.2	334.1	335.5	335.2	335.2	31.9	50.2
15°	328.9	327.1	324.7	325.3	326.3	325.9	325.7	46.3	96.4
20°	317.5	315.7	313.0	313.1	313.8	313.2	313.1	58.9	155.3
25°	303.8	301.7	298.3	298.2	298.8	297.9	297.4	69.3	224.6
30°	287.4	284.8	280.9	280.7	281.6	280.1	279.0	77.3	301.9
35°	266.6	264.1	259.3	259.6	260.3	258.7	256.6	81.9	383.8
40°	234.8	234.9	230.6	230.3	226.5	227.6	225.0	81.0	464.8
45°	166.0	176.7	179.3	175.8	160.5	175.5	176.3	67.1	531.9
50°	100.9	115.7	135.1	115.7	100.2	113.9	132.2	48.8	580.7
55°	62.2	71.0	100.7	70.7	61.6	69.2	99.0	34.0	614.7
60°	39.6	48.0	70.7	48.5	39.5	47.4	71.5	24.5	639.2
65°	35.4	41.0	43.7	42.1	36.2	42.1	41.4	20.2	659.4
70°	29.0	35.4	22.4	36.0	29.2	36.1	22.1	15.9	675.2
75°	27.4	24.7	19.6	25.2	27.8	25.0	18.0	12.8	688.0
80°	19.7	14.9	19.5	14.5	19.9	15.2	20.8	9.4	697.4
85°	9.2	8.6	7.3	8.6	9.1	8.8	7.3	4.6	702.0
90°	0.6	0.8	0.5	0.7	0.5	0.6	0.3	0.3	702.3
95°	2.6	2.5	2.5	2.5	2.5	2.5	2.5	1.4	703.7
100°	5.8	5.7	5.7	5.8	5.8	5.8	5.8	3.1	706.8
105°	10.2	10.1	10.3	10.4	10.5	10.4	10.4	5.5	712.3
110°	16.8	16.7	17.0	17.1	17.2	17.1	17.1	8.8	721.0
115°	25.9	25.9	26.1	26.2	26.4	26.5	26.4	13.0	734.0
120°	40.0	39.9	39.7	39.7	39.7	39.6	39.6	18.9	752.9
125°	56.5	56.4	56.4	56.3	56.6	56.6	56.3	25.3	778.3
130°	68.0	67.8	68.0	68.3	68.6	68.3	68.0	28.6	806.9
135°	77.1	77.1	77.4	77.9	77.8	77.5	77.3	30.0	836.9
140°	85.6	85.5	85.5	85.8	85.7	85.5	85.3	30.1	867.1
145°	92.6	92.7	92.9	92.8	92.5	92.4	92.2	29.1	896.2
150°	99.5	99.5	99.5	99.3	99.0	99.0	98.8	27.2	923.4
155°	104.7	104.4	104.2	103.9	103.9	103.9	103.9	24.1	947.5
160°	108.0	107.7	107.5	107.3	107.5	107.2	107.3	20.1	967.6
165°	110.2	110.2	110.1	110.3	110.2	109.9	110.2	15.6	983.3
170°	112.4	112.4	112.4	112.1	111.7	111.9	112.1	10.7	993.9
175°	112.7	112.7	112.8	112.9	112.9	113.0	113.1	5.4	999.3
180°	113.3	113.3	113.3	113.3	113.3	113.3	113.3	0.7	1000.0

Photometric test report

Family Silica® 21 round M			Order number: 51MF33DB4MWA EAN: 4069025808233							LP number 60080_5	
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	15.0	16.0	15.7	16.8	17.7	14.8	15.8	15.5	16.6	17.5
	3H	15.5	16.5	16.3	17.3	18.2	15.4	16.3	16.2	17.1	18.1
	4H	16.0	16.9	16.8	17.7	18.6	15.7	16.6	16.5	17.4	18.3
	6H	16.4	17.2	17.2	18.0	19.0	16.1	16.9	16.9	17.7	18.7
	8H	16.6	17.3	17.4	18.1	19.1	16.3	17.0	17.1	17.9	18.9
	12H	16.7	17.4	17.5	18.2	19.2	16.4	17.1	17.3	17.9	18.9
4H	2H	15.1	15.9	15.8	16.7	17.7	14.9	15.8	15.7	16.6	17.6
	3H	15.8	16.6	16.6	17.4	18.4	15.8	16.6	16.6	17.4	18.4
	4H	16.4	17.0	17.2	17.9	18.9	16.3	17.0	17.2	17.8	18.8
	6H	17.0	17.5	17.8	18.4	19.4	16.9	17.5	17.7	18.3	19.3
	8H	17.1	17.6	18.0	18.5	19.6	17.1	17.6	18.0	18.5	19.5
	12H	17.4	17.8	18.2	18.7	19.8	17.3	17.8	18.2	18.6	19.7
8H	4H	16.5	17.0	17.4	17.9	18.9	16.5	17.0	17.4	17.9	18.9
	6H	17.3	17.7	18.1	18.5	19.6	17.2	17.7	18.1	18.5	19.6
	8H	17.6	18.0	18.5	18.9	19.9	17.6	18.0	18.5	18.9	20.0
	12H	17.9	18.3	18.8	19.1	20.2	17.9	18.2	18.8	19.1	20.2
12H	4H	16.6	17.0	17.4	17.9	19.0	16.6	17.0	17.4	17.9	18.9
	6H	17.4	17.7	18.3	18.6	19.7	17.4	17.7	18.2	18.6	19.7
	8H	17.7	18.1	18.6	18.9	20.0	17.8	18.1	18.7	19.0	20.1

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 586	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	6895.7	7339.1	7445.0	7301.9	6663.9	7287.7	7322.0
50°	4609.3	5287.9	6174.0	5284.8	4578.7	5204.1	6040.3
55°	3183.8	3637.3	5154.4	3621.4	3154.5	3542.7	5068.8
60°	2326.8	2819.0	4150.4	2849.9	2319.7	2782.0	4199.4
65°	2456.9	2852.1	3038.8	2922.3	2518.1	2923.4	2874.8
70°	2492.2	3038.1	1924.6	3095.0	2506.1	3100.9	1901.2
75°	3112.8	2800.4	2222.8	2861.5	3157.7	2840.0	2037.9
80°	3329.9	2521.4	3290.4	2448.5	3368.3	2569.8	3510.4
85°	3096.8	2895.9	2444.8	2905.4	3079.6	2966.7	2457.9

Photometric test report

Family
Silica® 21 round M

Order number: 51MF33DB4MWA
EAN: 4069025808233

LP number
60080_5

Luminance values in cd/m²

γ 65°

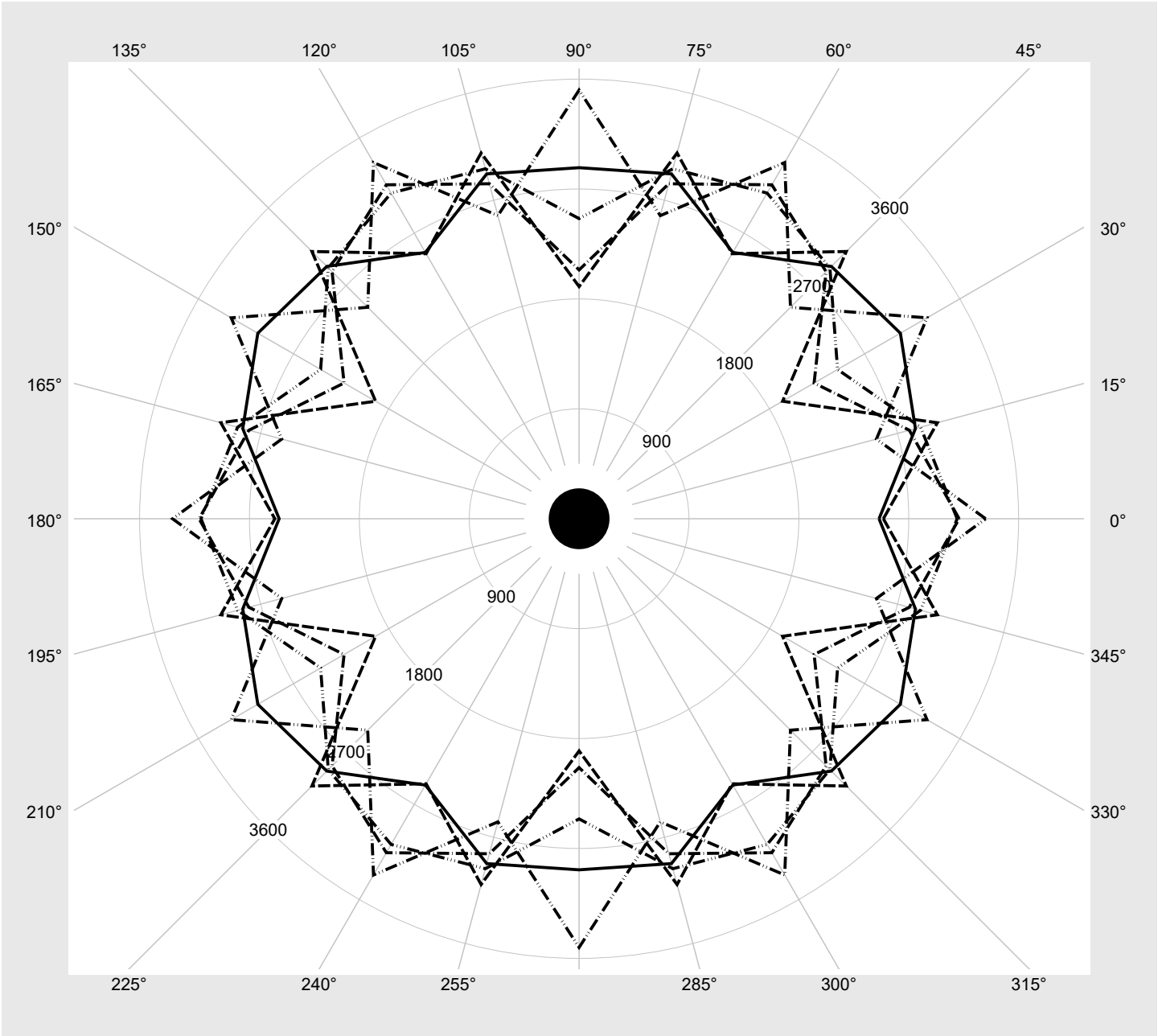
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round M	Order number: 51MF33DB4MWA EAN: 4069025808233	LP number 60080_5
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7920	44.2
95	241	252	7520	42.0
90	228	250	7119	39.8
85	215	248	6717	37.7
80	203	246	6345	35.7
75	190	243	5940	33.5
70	177	241	5534	31.3
65	165	238	5158	29.3
60	152	235	4750	27.1
55	140	232	4372	25.1
50	127	229	3961	22.8
45	114	225	3549	20.6
40	102	221	3168	18.5
35	90	216	2785	16.4
30	77	210	2369	14.3
25	65	204	1984	12.4
20	53	197	1598	10.4
15	40	186	1179	8.0
10	28	173	791	5.5
5	16	153	401	2.7
1	7	122	109	0.9