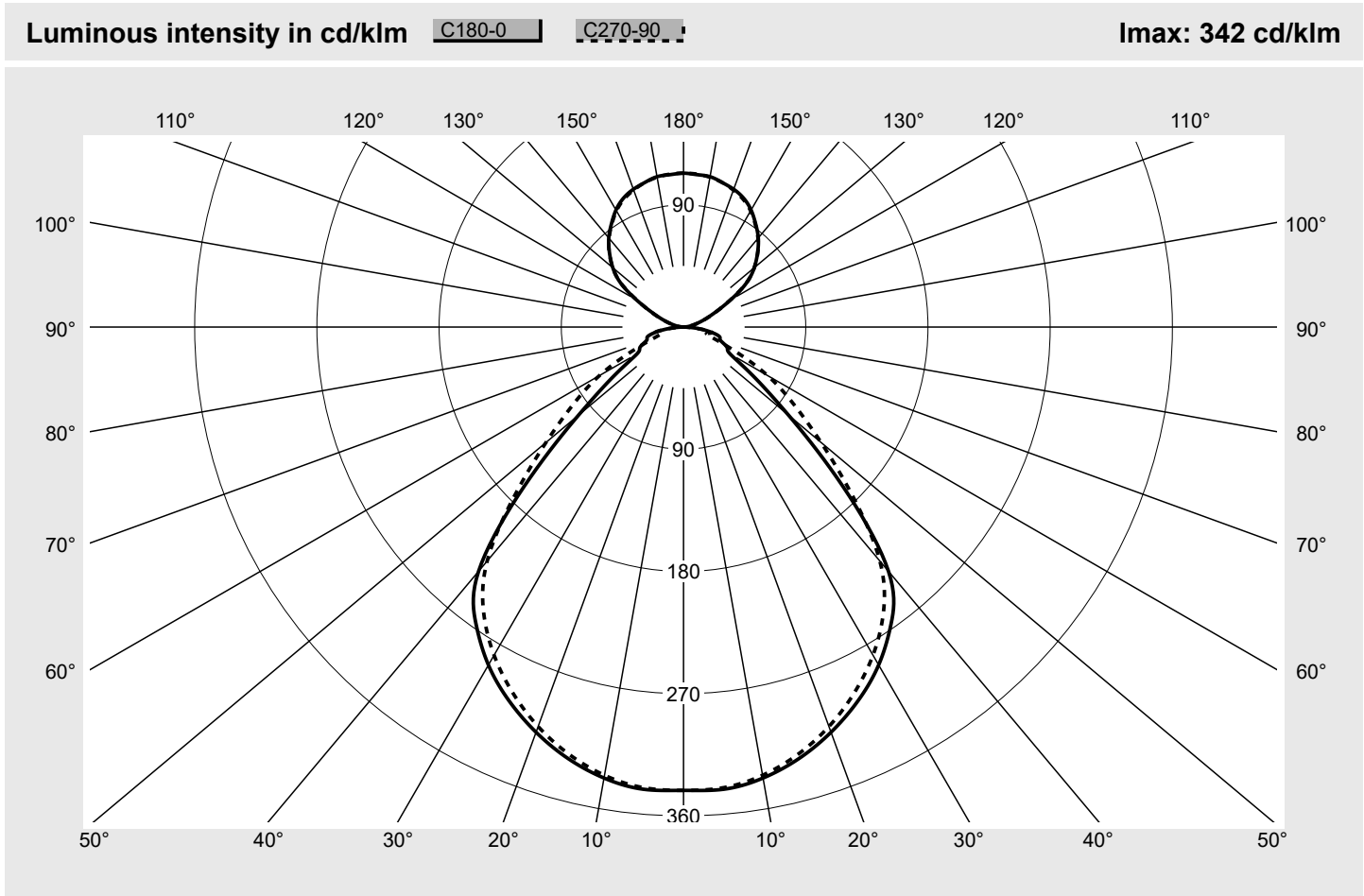


Photometric test report

Family Silica® 21 round M	Order number: 51MF33DB3MWA EAN: 4069025808172	LP number 60080_4
	Version	Suspended luminaire, housing, white, microprismatic optics, direct-/ indirect distribution, wide distribution, UGR≤19
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7920 lm Power consumption = 46.3 W Luminous efficacy = 171.1 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: 51MF33DB3MWA EAN: 4069025808172	LP number 60080_4
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

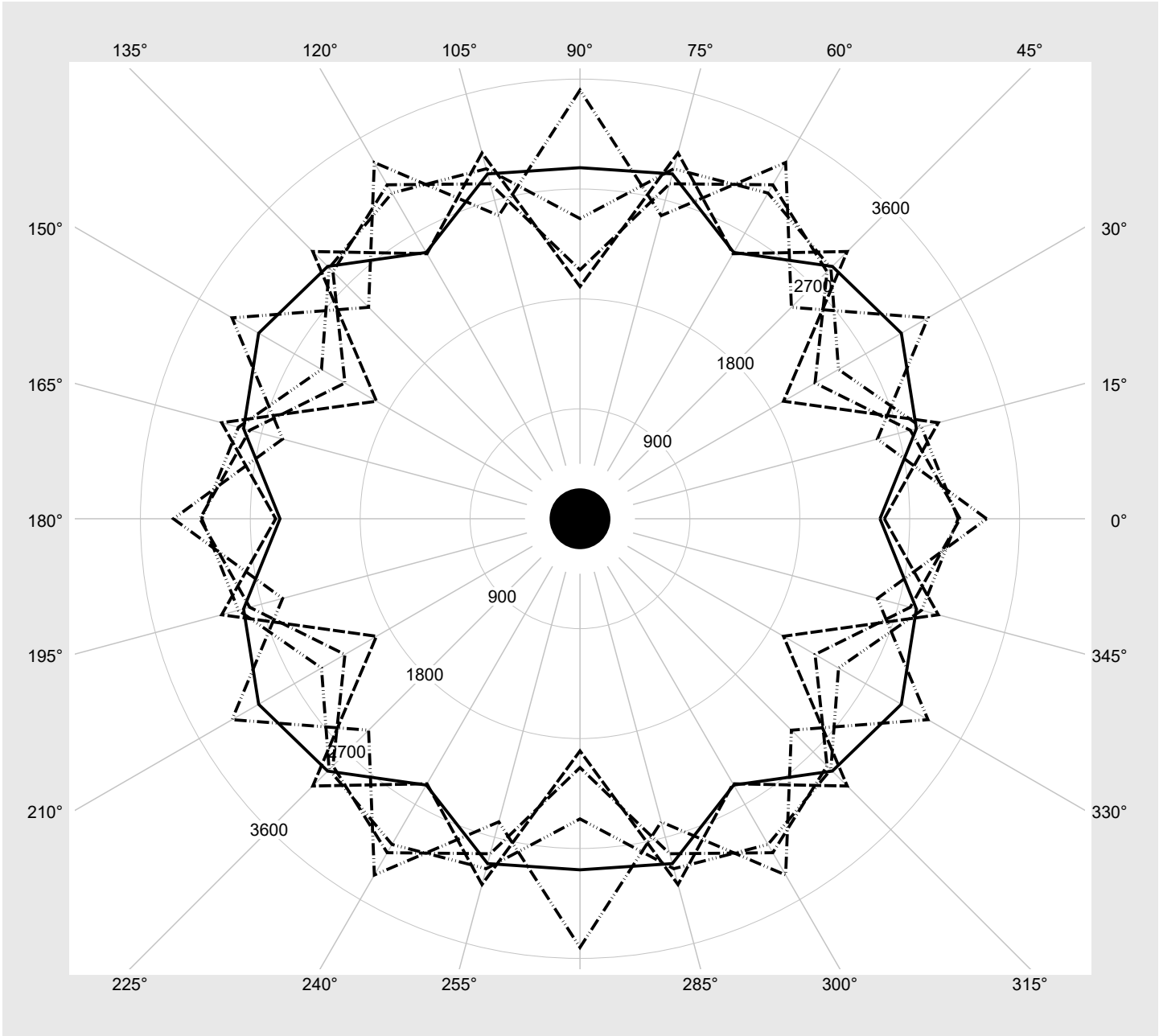
Photometric test report

Family Silica® 21 round M			Order number: 51MF33DB3MWA EAN: 4069025808172							LP number 60080_4	
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: 51MF33DB3MWA EAN: 4069025808172	LP number 60080_4
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: 51MF33DB3MWA EAN: 4069025808172	LP number 60080_4
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	46.3
95	241	252	7521	43.9
90	228	250	7122	41.6
85	215	248	6722	39.3
80	202	246	6321	37.1
75	190	243	5949	35.0
70	177	241	5546	32.8
65	164	238	5140	30.4
60	152	235	4765	28.3
55	139	232	4357	26.0
50	126	228	3948	23.7
45	114	225	3570	21.5
40	101	220	3158	19.2
35	89	216	2778	17.0
30	76	210	2364	14.7
25	64	204	1981	12.7
20	52	196	1597	10.6
15	39	185	1179	8.2
10	27	172	793	5.6
5	15	150	406	2.7
2	7	122	147	1.0