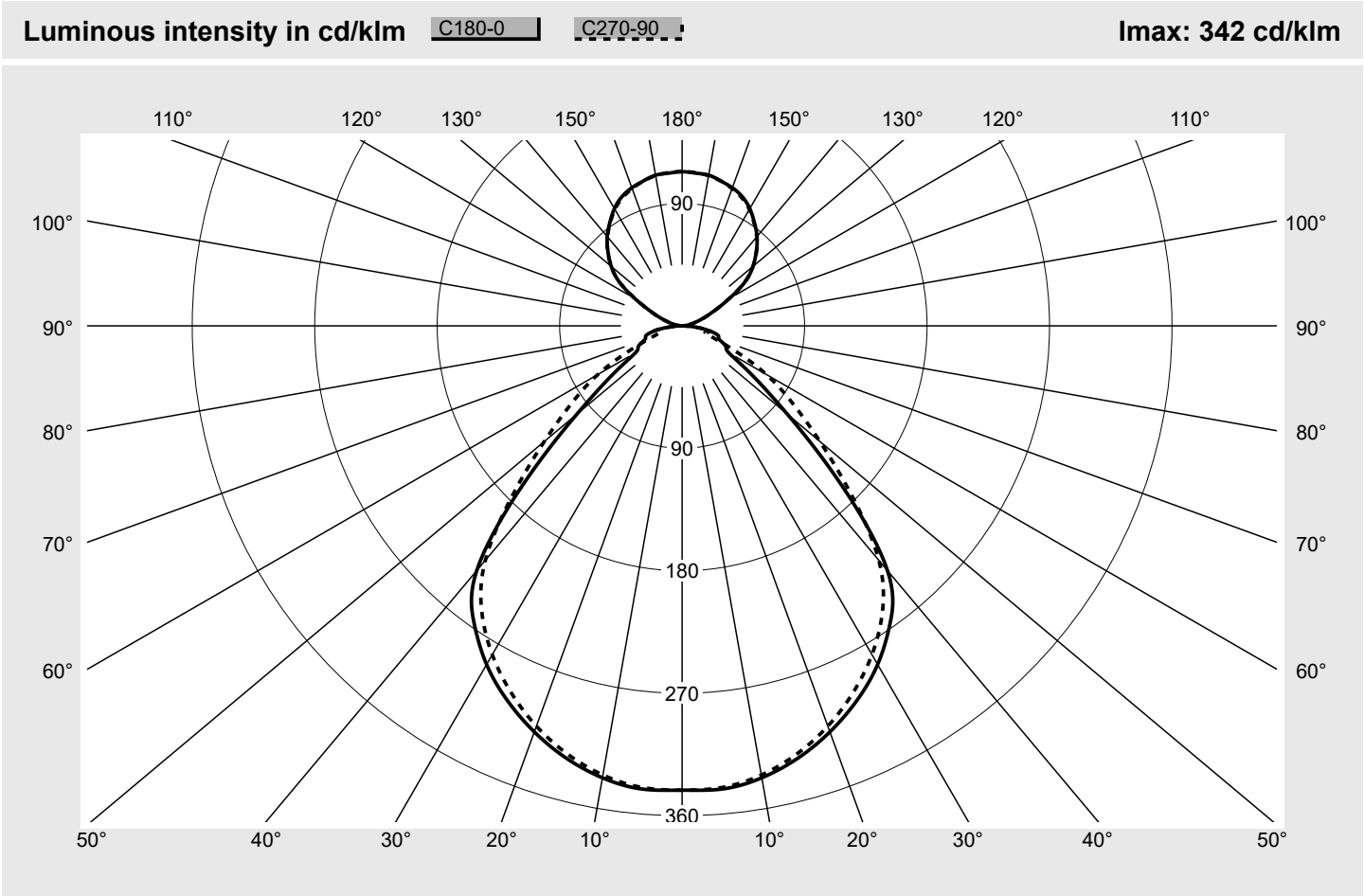


Photometric test report

Family Silica® 21 round M	Order number: 51ME33DB4MWA EAN: 4069025803023	LP number 60080_3
	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 = 48.3 W Luminous efficacy = 164 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: 51ME33DB4MWA EAN: 4069025803023	LP number 60080_3
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: 51ME33DB4MWA EAN: 4069025803023							LP number 60080_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	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: 51ME33DB4MWA
EAN: 4069025803023

LP number
60080_3

Luminance values in cd/m²

γ 65°

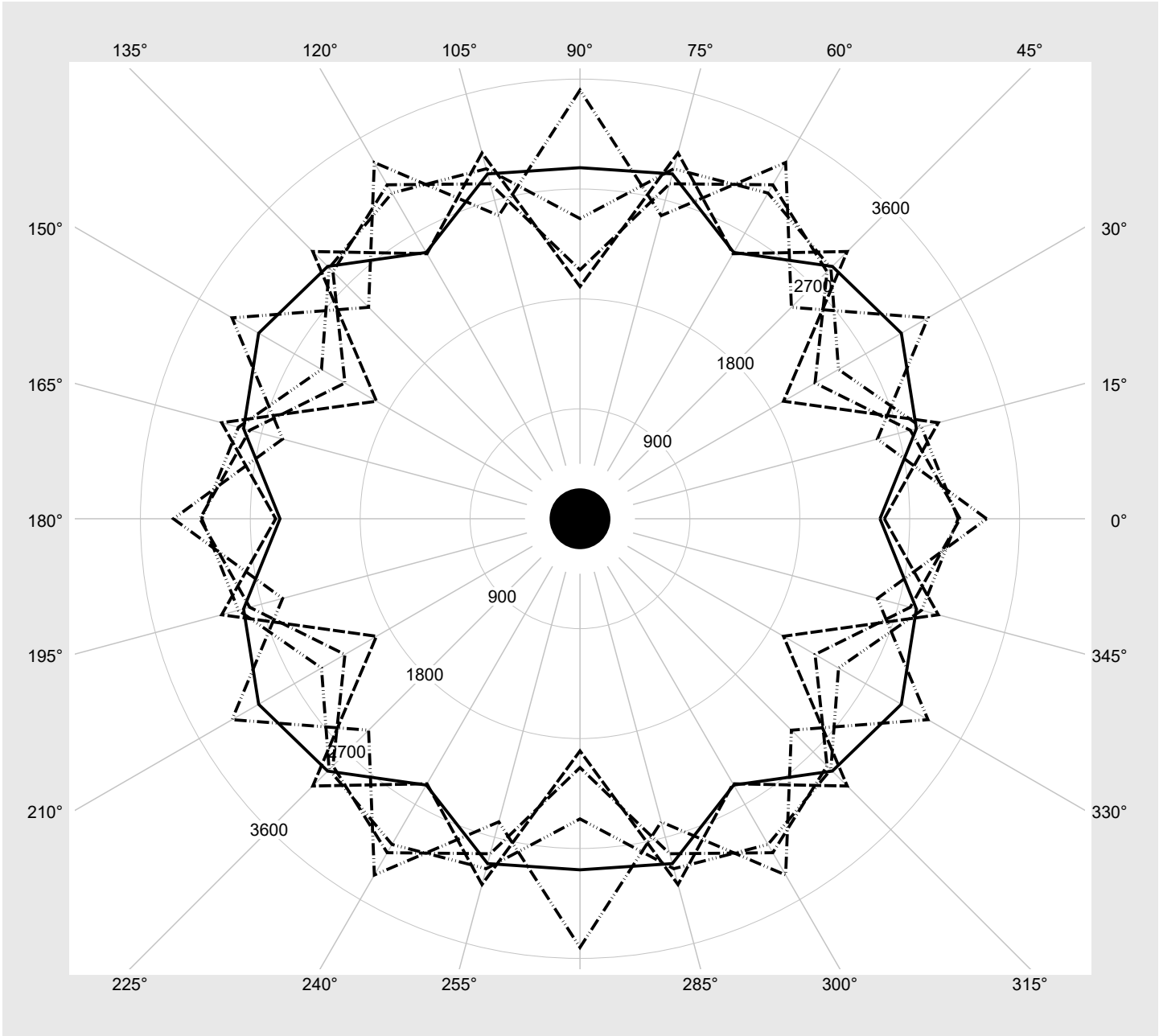
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round M	Order number: 51ME33DB4MWA EAN: 4069025803023	LP number 60080_3
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	48.3
95	241	252	7517	45.8
90	228	250	7114	43.4
85	216	248	6742	41.1
80	203	246	6338	38.9
75	190	243	5933	36.6
70	178	241	5559	34.5
65	165	238	5152	32.1
60	152	235	4744	29.7
55	140	232	4367	27.5
50	127	229	3958	25.0
45	114	225	3548	22.5
40	102	221	3169	20.4
35	89	216	2758	17.9
30	77	210	2377	15.7
25	64	204	1965	13.4
20	52	196	1583	11.2
15	40	186	1201	8.9
10	27	172	786	6.0
5	15	150	403	2.9
2	7	122	146	1.0