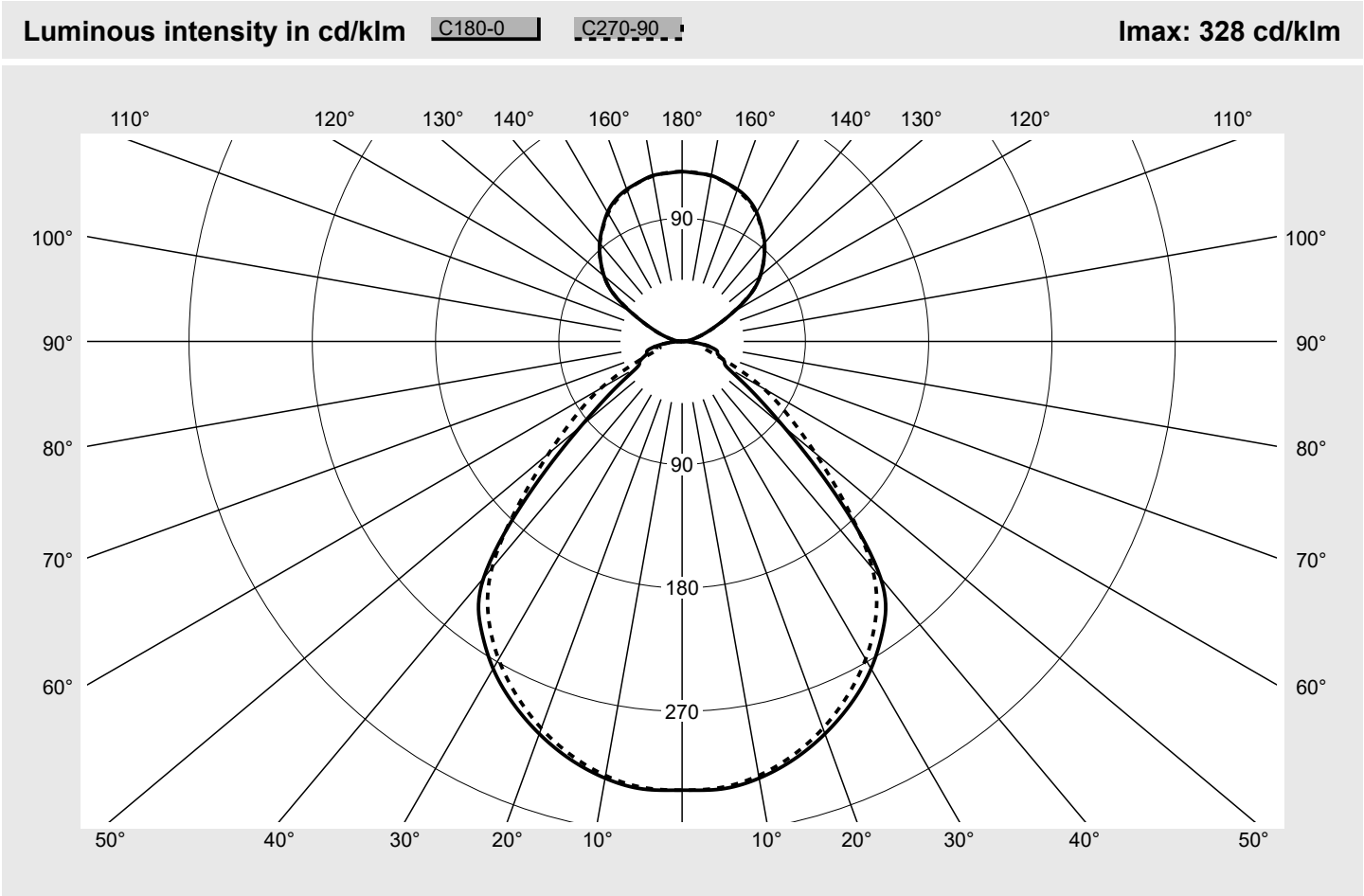


Photometric test report

Family Silica® 21 round S	Order number: 51MF33DAEMWA EAN: 4069025808110	LP number 60074_7
	Version	Suspended luminaire, housing, white, microprismatic optics, direct-/ indirect distribution, wide distribution, UGR≤19
	Lamps	LED 4000 K CRI ≥ 90
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 3580 lm Power consumption = 23.4 W Luminous efficacy = 153 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	67.4%
	N4=67 N5=100	ϕ_o	32.6%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51MF33DAEMWA EAN: 4069025808110	LP number 60074_7
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°	327.6	327.6	327.6	327.6	327.6	327.6	327.6	2.0	2.0
5°	328.0	326.3	324.5	325.6	327.1	326.9	326.9	15.6	17.5
10°	323.8	322.0	319.9	320.8	322.1	321.9	321.8	30.6	48.2
15°	315.8	314.1	311.7	312.3	313.3	312.9	312.8	44.4	92.6
20°	304.9	303.1	300.5	300.6	301.2	300.7	300.6	56.5	149.1
25°	291.7	289.7	286.4	286.3	286.9	286.1	285.5	66.6	215.7
30°	275.9	273.5	269.7	269.5	270.4	269.0	267.9	74.2	289.8
35°	255.9	253.6	249.0	249.3	249.9	248.4	246.4	78.7	368.5
40°	225.4	225.5	221.4	221.1	217.5	218.5	216.0	77.8	446.3
45°	159.4	169.7	172.1	168.8	154.1	168.5	169.3	64.4	510.7
50°	96.9	111.1	129.8	111.1	96.2	109.4	126.9	46.9	557.6
55°	59.7	68.2	96.7	67.9	59.2	66.4	95.1	32.6	590.2
60°	38.0	46.1	67.9	46.6	37.9	45.5	68.7	23.5	613.7
65°	33.9	39.4	42.0	40.4	34.8	40.4	39.7	19.4	633.1
70°	27.9	34.0	21.5	34.6	28.0	34.7	21.3	15.2	648.3
75°	26.3	23.7	18.8	24.2	26.7	24.0	17.2	12.3	660.6
80°	18.9	14.3	18.7	13.9	19.1	14.6	19.9	9.0	669.6
85°	8.8	8.3	7.0	8.3	8.8	8.5	7.0	4.4	674.0
90°	0.7	0.9	0.5	0.8	0.6	0.6	0.4	0.4	674.4
95°	2.8	2.7	2.7	2.7	2.8	2.7	2.7	1.5	675.9
100°	6.4	6.2	6.2	6.3	6.4	6.3	6.4	3.4	679.3
105°	11.2	11.1	11.2	11.3	11.4	11.3	11.4	6.0	685.2
110°	18.4	18.3	18.5	18.7	18.8	18.7	18.7	9.6	694.8
115°	28.4	28.3	28.6	28.7	28.9	29.0	28.9	14.2	709.1
120°	43.8	43.6	43.4	43.5	43.4	43.4	43.3	20.6	729.7
125°	61.8	61.7	61.7	61.6	62.0	61.9	61.6	27.7	757.4
130°	74.4	74.2	74.4	74.7	75.1	74.7	74.4	31.3	788.7
135°	84.3	84.3	84.7	85.2	85.1	84.8	84.6	32.9	821.6
140°	93.7	93.5	93.6	93.8	93.7	93.5	93.3	33.0	854.6
145°	101.3	101.4	101.6	101.5	101.2	101.1	100.9	31.9	886.4
150°	108.8	108.8	108.8	108.6	108.3	108.3	108.1	29.8	916.2
155°	114.5	114.2	114.0	113.7	113.6	113.6	113.6	26.4	942.5
160°	118.1	117.9	117.6	117.3	117.6	117.2	117.4	22.0	964.6
165°	120.6	120.6	120.5	120.6	120.5	120.2	120.5	17.1	981.7
170°	123.0	123.0	122.9	122.6	122.2	122.4	122.6	11.7	993.4
175°	123.3	123.3	123.4	123.5	123.5	123.6	123.7	5.9	999.3
180°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	0.7	1000.0

Photometric test report

Family Silica® 21 round S	Order number: 51MF33DAEMWA EAN: 4069025808110	LP number 60074_7
------------------------------	--	----------------------

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	14.7	15.8	15.5	16.6	17.5	14.6	15.6	15.3	16.4	17.3
	3H	15.3	16.2	16.1	17.1	18.0	15.2	16.1	16.0	16.9	17.9
	4H	15.8	16.6	16.6	17.4	18.5	15.5	16.3	16.3	17.2	18.2
	6H	16.2	17.0	17.1	17.8	18.9	15.9	16.7	16.7	17.5	18.5
	8H	16.4	17.1	17.2	17.9	19.0	16.1	16.8	16.9	17.6	18.7
	12H	16.5	17.2	17.4	18.0	19.1	16.2	16.9	17.1	17.7	18.8
4H	2H	14.9	15.7	15.7	16.5	17.5	14.7	15.6	15.5	16.4	17.4
	3H	15.6	16.3	16.5	17.2	18.2	15.6	16.3	16.5	17.2	18.2
	4H	16.2	16.8	17.0	17.6	18.7	16.1	16.8	17.0	17.6	18.7
	6H	16.7	17.3	17.6	18.2	19.2	16.7	17.2	17.6	18.1	19.2
	8H	16.9	17.4	17.8	18.3	19.4	16.9	17.4	17.8	18.3	19.4
	12H	17.2	17.6	18.0	18.5	19.6	17.1	17.5	18.0	18.4	19.5
8H	4H	16.3	16.8	17.2	17.7	18.8	16.3	16.8	17.2	17.7	18.8
	6H	17.0	17.4	17.9	18.3	19.5	17.0	17.4	17.9	18.3	19.4
	8H	17.4	17.7	18.3	18.6	19.8	17.4	17.8	18.3	18.7	19.8
	12H	17.7	18.0	18.6	18.9	20.1	17.7	18.0	18.6	18.9	20.0
12H	4H	16.4	16.8	17.2	17.7	18.8	16.3	16.8	17.2	17.7	18.8
	6H	17.1	17.5	18.1	18.4	19.5	17.1	17.5	18.0	18.4	19.5
	8H	17.5	17.8	18.4	18.7	19.9	17.5	17.9	18.5	18.8	19.9

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 386	
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°	6897.3	7340.8	7446.8	7303.6	6665.4	7289.4	7323.7
50°	4610.4	5289.2	6175.4	5286.1	4579.8	5205.3	6041.7
55°	3184.5	3638.2	5155.6	3622.2	3155.3	3543.5	5070.0
60°	2327.3	2819.7	4151.4	2850.6	2320.2	2782.7	4200.4
65°	2457.4	2852.8	3039.5	2923.0	2518.7	2924.1	2875.5
70°	2492.7	3038.9	1925.1	3095.7	2506.7	3101.6	1901.6
75°	3113.5	2801.0	2223.4	2862.1	3158.5	2840.7	2038.4
80°	3330.6	2522.0	3291.2	2449.0	3369.2	2570.4	3511.2
85°	3097.3	2896.6	2445.2	2906.0	3080.5	2967.5	2458.5

Photometric test report

Family
Silica® 21 round S

Order number: 51MF33DAEMWA
EAN: 4069025808110

LP number
60074_7

Luminance values in cd/m²

γ 65°

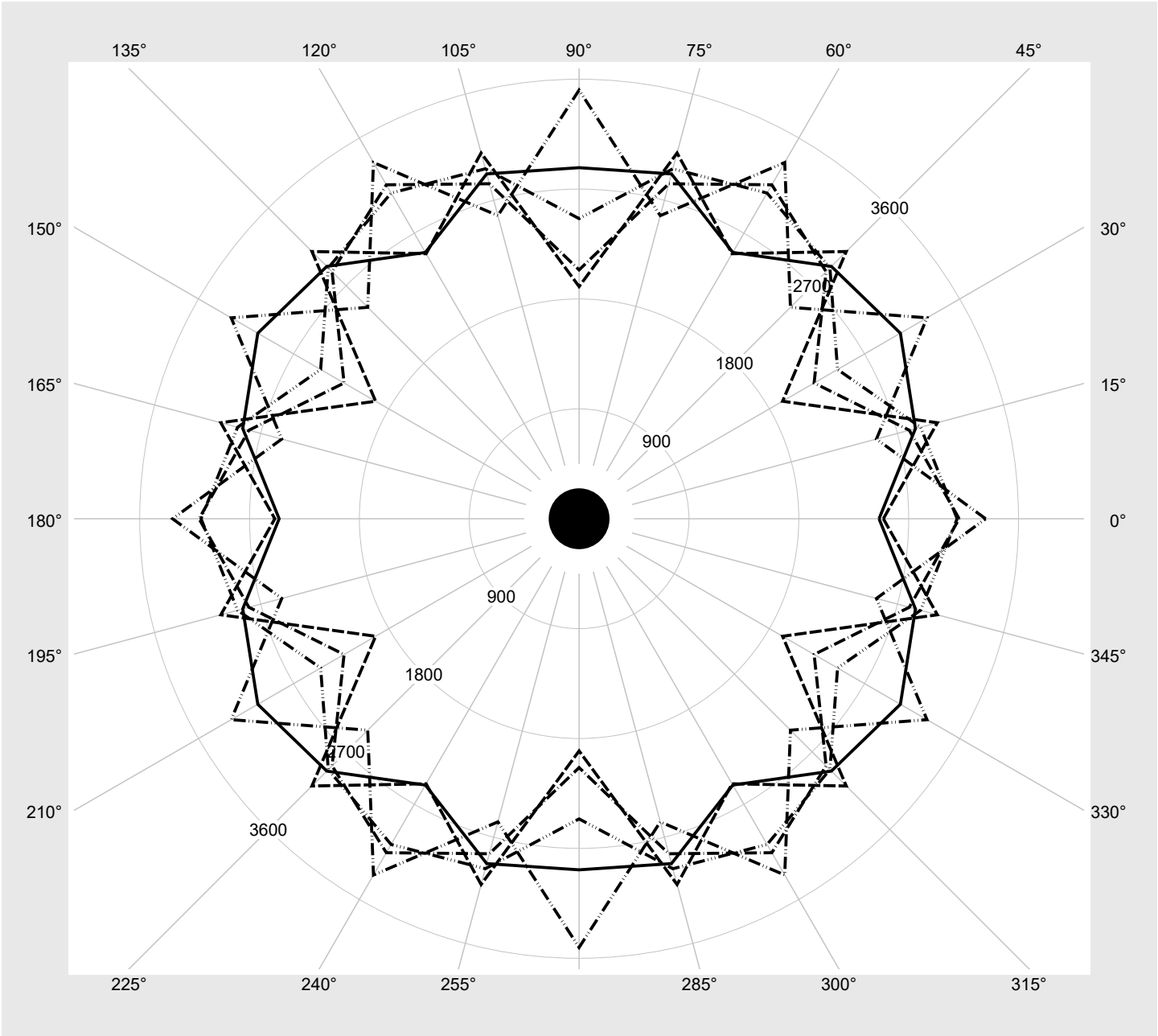
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF33DAEMWA EAN: 4069025808110	LP number 60074_7
Dimming levels table		environmental temperature: 25°C

siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3580	23.4
95	241	252	3404	22.2
90	228	250	3226	21.1
85	215	248	3049	19.8
80	202	246	2871	18.7
75	189	243	2691	17.6
70	176	241	2511	16.4
65	163	238	2330	15.3
60	150	235	2148	14.1
55	137	231	1965	12.9
50	125	228	1796	11.9
45	112	224	1611	10.7
40	99	219	1427	9.6
35	87	215	1256	8.5
30	74	209	1069	7.4
25	62	202	897	6.4
20	49	194	709	5.1
15	37	183	534	4.1
10	25	169	359	2.9
5	13	145	184	1.7
3	9	132	125	1.2