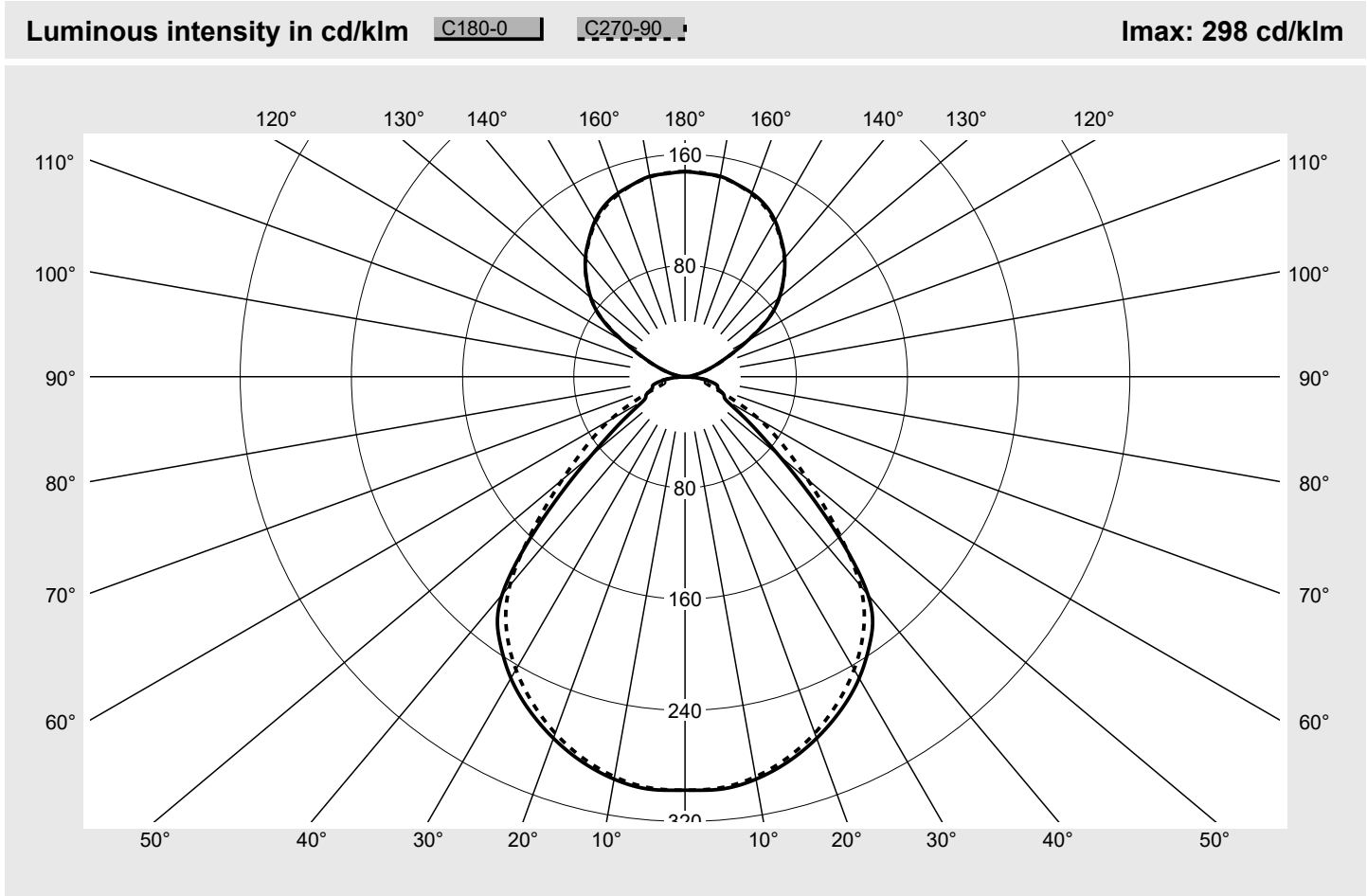


Photometric test report

Family Silica® 21 round S	Order number: 51MF33DA3MBA EAN: 4069025807908	LP number 60075_4
	Version	Suspended luminaire, housing, black, microprismatic optics, direct-/ indirect distribution, wide distribution, UGR≤19
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 3940 lm Power consumption = 27.1 W Luminous efficacy = 145.4 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	61.2%
	N4=61 N5=100	ϕ_o	38.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51MF33DA3MBA EAN: 4069025807908	LP number 60075_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°	297.5	297.5	297.5	297.5	297.5	297.5	297.5	1.8	1.8
5°	297.9	296.3	294.6	295.7	297.1	296.9	296.8	14.2	15.9
10°	294.0	292.4	290.5	291.3	292.5	292.2	292.2	27.8	43.7
15°	286.8	285.2	283.1	283.6	284.4	284.1	284.0	40.3	84.1
20°	276.8	275.2	272.8	273.0	273.5	273.1	272.9	51.3	135.4
25°	264.9	263.0	260.1	260.0	260.5	259.8	259.2	60.4	195.8
30°	250.5	248.3	244.9	244.7	245.5	244.2	243.3	67.4	263.2
35°	232.4	230.3	226.1	226.3	226.9	225.6	223.7	71.4	334.6
40°	204.7	204.8	201.0	200.8	197.5	198.4	196.1	70.6	405.2
45°	144.8	154.1	156.3	153.3	139.9	153.0	153.7	58.5	463.8
50°	88.0	100.9	117.8	100.8	87.4	99.3	115.3	42.5	506.3
55°	54.2	61.9	87.8	61.7	53.7	60.3	86.3	29.6	535.9
60°	34.5	41.8	61.6	42.3	34.4	41.3	62.3	21.4	557.3
65°	30.8	35.8	38.1	36.7	31.6	36.7	36.1	17.6	574.8
70°	25.3	30.9	19.5	31.4	25.4	31.5	19.3	13.8	588.7
75°	23.9	21.5	17.1	22.0	24.3	21.8	15.7	11.2	599.8
80°	17.2	13.0	17.0	12.6	17.4	13.2	18.1	8.2	608.0
85°	8.0	7.5	6.3	7.5	8.0	7.7	6.4	4.0	612.0
90°	0.8	1.0	0.6	0.9	0.7	0.8	0.4	0.4	612.4
95°	3.4	3.3	3.2	3.2	3.3	3.3	3.2	1.8	614.2
100°	7.6	7.4	7.4	7.5	7.6	7.5	7.6	4.0	618.3
105°	13.3	13.2	13.4	13.5	13.6	13.5	13.6	7.1	625.4
110°	21.9	21.7	22.1	22.3	22.3	22.3	22.3	11.4	636.8
115°	33.8	33.7	34.0	34.1	34.4	34.5	34.4	17.0	653.7
120°	52.1	51.9	51.7	51.7	51.6	51.6	51.5	24.6	678.3
125°	73.6	73.4	73.4	73.3	73.7	73.7	73.3	33.0	711.3
130°	88.5	88.3	88.5	88.9	89.3	88.9	88.6	37.3	748.6
135°	100.4	100.4	100.8	101.4	101.3	100.9	100.6	39.1	787.6
140°	111.5	111.3	111.3	111.7	111.6	111.3	111.1	39.3	826.9
145°	120.6	120.7	120.9	120.8	120.5	120.4	120.0	37.9	864.8
150°	129.5	129.5	129.5	129.3	128.9	128.9	128.6	35.4	900.2
155°	136.3	136.0	135.6	135.3	135.2	135.2	135.2	31.4	931.6
160°	140.6	140.3	140.0	139.7	140.0	139.5	139.8	26.2	957.9
165°	143.5	143.5	143.4	143.6	143.5	143.1	143.4	20.3	978.2
170°	146.4	146.4	146.3	146.0	145.5	145.7	145.9	13.9	992.1
175°	146.7	146.7	146.8	147.0	147.0	147.1	147.2	7.0	999.1
180°	147.5	147.5	147.5	147.5	147.5	147.5	147.5	0.9	1000.0

Photometric test report

Family Silica® 21 round S	Order number: 51MF33DA3MBA EAN: 4069025807908	LP number 60075_4
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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	14.3	15.2	15.1	16.1	17.1	14.1	15.1	14.9	15.9	16.9
	3H	14.8	15.7	15.7	16.6	17.7	14.7	15.5	15.5	16.4	17.5
	4H	15.3	16.1	16.2	17.0	18.1	15.0	15.8	15.9	16.7	17.8
	6H	15.7	16.5	16.6	17.4	18.5	15.4	16.2	16.3	17.0	18.2
	8H	15.8	16.5	16.7	17.4	18.6	15.6	16.2	16.5	17.1	18.3
	12H	16.0	16.6	16.9	17.5	18.7	15.7	16.3	16.6	17.2	18.4
4H	2H	14.4	15.2	15.2	16.0	17.1	14.2	15.0	15.1	15.9	17.0
	3H	15.1	15.8	16.0	16.7	17.8	15.1	15.8	16.0	16.7	17.8
	4H	15.7	16.2	16.6	17.2	18.3	15.6	16.2	16.5	17.1	18.3
	6H	16.2	16.8	17.2	17.7	18.8	16.2	16.7	17.1	17.6	18.8
	8H	16.4	16.9	17.3	17.8	19.0	16.4	16.8	17.3	17.8	19.0
	12H	16.6	17.0	17.6	18.0	19.2	16.6	17.0	17.5	17.9	19.1
8H	4H	15.8	16.2	16.7	17.2	18.4	15.8	16.2	16.7	17.2	18.4
	6H	16.5	16.9	17.4	17.8	19.0	16.5	16.9	17.4	17.8	19.0
	8H	16.8	17.2	17.8	18.2	19.4	16.9	17.2	17.8	18.2	19.4
	12H	17.2	17.5	18.1	18.4	19.7	17.2	17.5	18.1	18.4	19.6
12H	4H	15.8	16.2	16.8	17.2	18.4	15.8	16.2	16.8	17.2	18.4
	6H	16.6	17.0	17.6	17.9	19.1	16.6	16.9	17.6	17.9	19.1
	8H	17.0	17.3	18.0	18.2	19.5	17.0	17.3	18.0	18.3	19.5

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°
		Luminance in cd/m²					
γ							
45°	6892.6	7335.9	7441.8	7298.8	6660.9	7284.5	7318.8
50°	4607.2	5285.6	6171.3	5282.5	4576.7	5201.8	6037.6
55°	3182.4	3635.7	5152.1	3619.8	3153.1	3541.2	5066.5
60°	2325.7	2817.8	4148.6	2848.7	2318.6	2780.8	4197.5
65°	2455.8	2850.8	3037.5	2920.9	2517.1	2922.1	2873.5
70°	2491.1	3036.9	1923.8	3093.6	2505.0	3099.6	1900.3
75°	3111.4	2799.1	2221.8	2860.2	3156.3	2838.8	2037.0
80°	3328.4	2520.2	3288.8	2447.5	3366.9	2568.7	3508.9
85°	3095.5	2894.6	2443.4	2904.3	3078.1	2965.3	2456.9

Photometric test report

Family
Silica® 21 round S

Order number: 51MF33DA3MBA
EAN: 4069025807908

LP number
60075_4

Luminance values in cd/m²

γ 65°

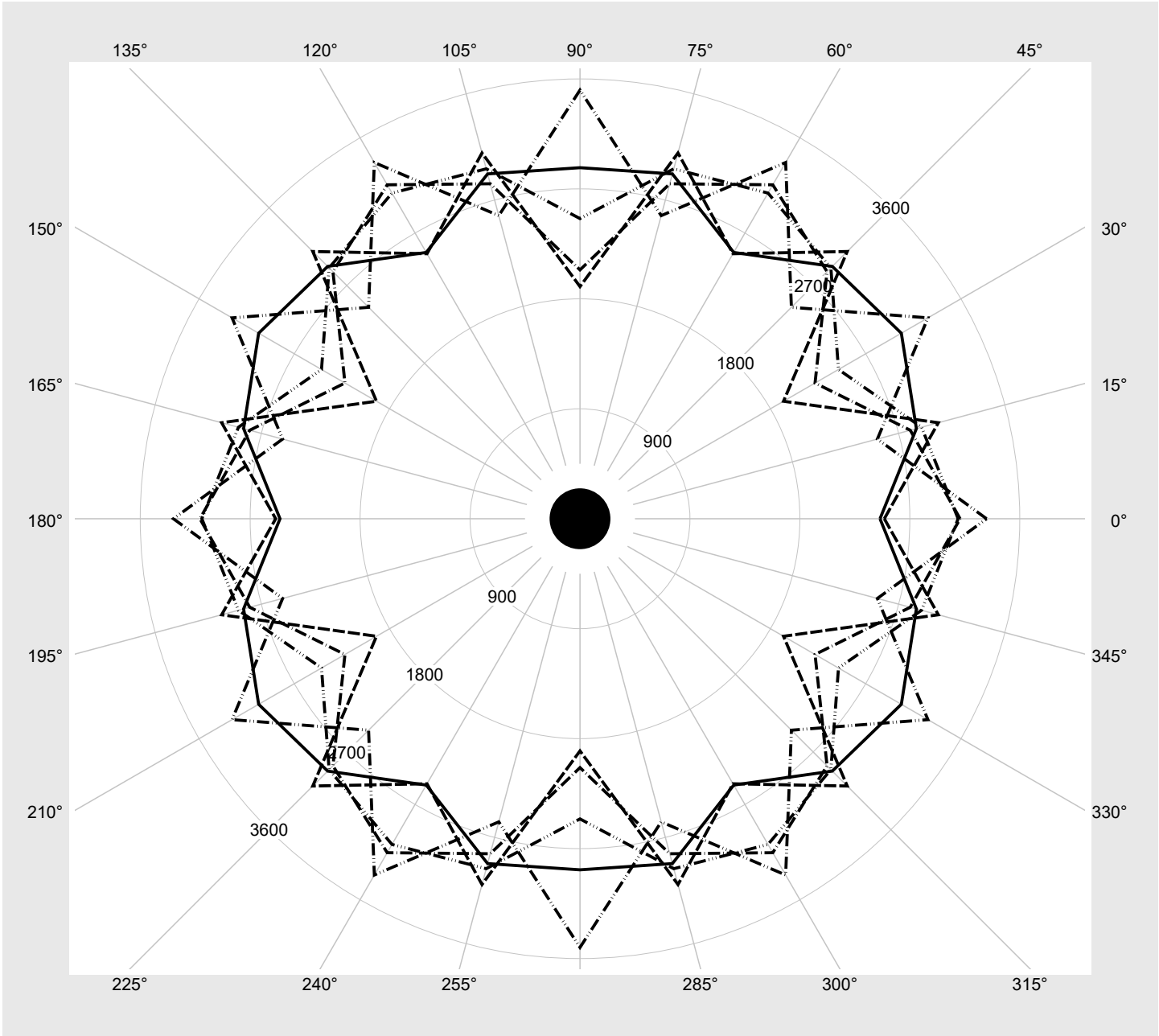
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF33DA3MBA EAN: 4069025807908	LP number 60075_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	3940	27.1
95	241	252	3744	25.8
90	228	250	3548	24.4
85	215	248	3350	23.1
80	202	246	3152	21.7
75	189	243	2952	20.4
70	176	241	2753	19.0
65	164	238	2567	17.8
60	151	235	2366	16.4
55	138	232	2164	15.2
50	126	228	1977	13.9
45	113	224	1773	12.6
40	101	220	1584	11.3
35	88	215	1379	10.0
30	76	210	1188	8.7
25	63	203	982	7.4
20	51	195	790	6.1
15	39	185	598	4.9
10	26	171	390	3.5
5	14	148	196	2.0
2	8	127	98	1.3