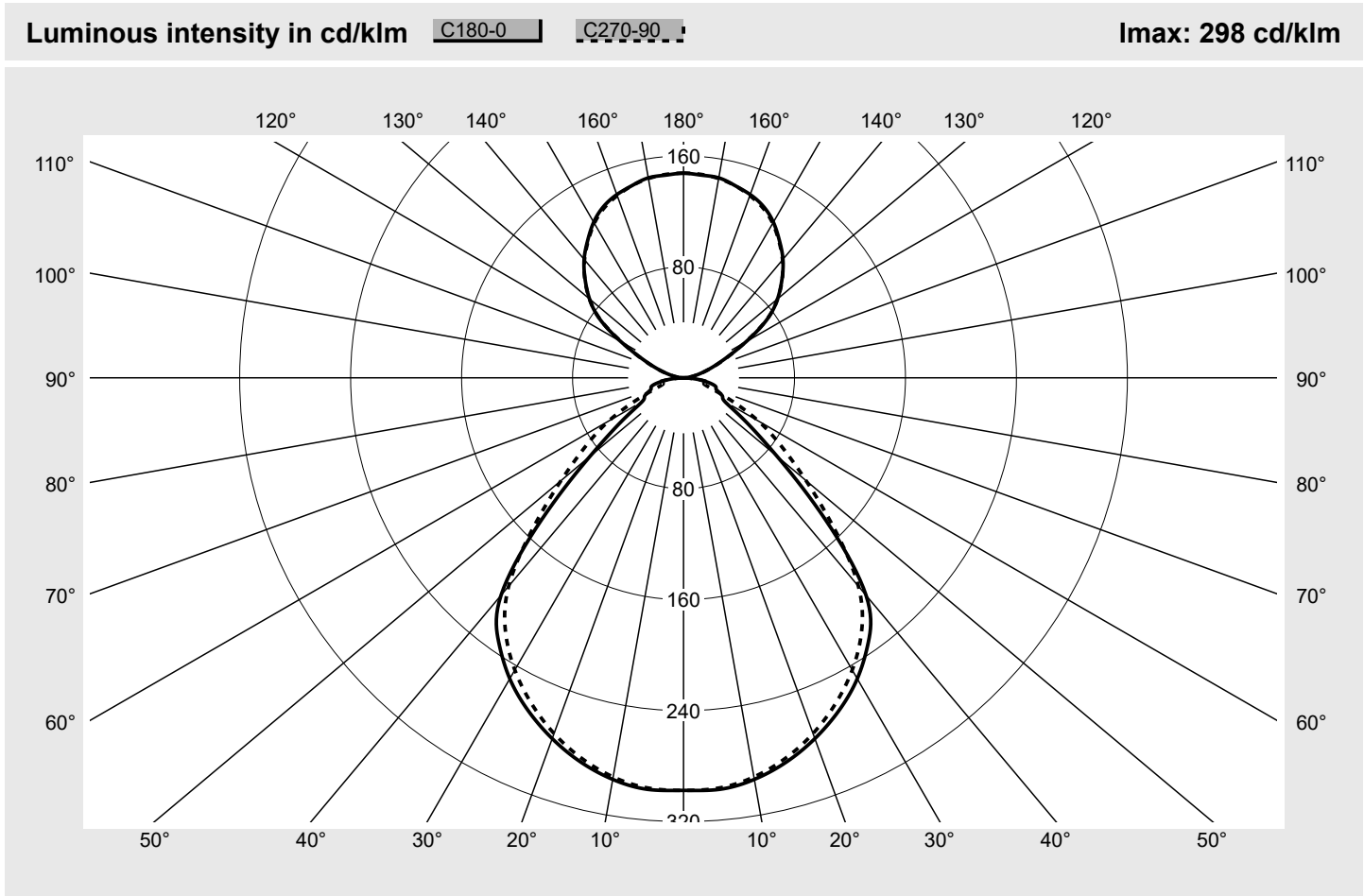


Photometric test report

Family Silica® 21 round S	Order number: 51ME33DA4MBA EAN: 4069025800541	LP number 60075_3
	Version	Suspended luminaire, housing, black, microprismatic optics, direct-/ indirect distribution, wide distribution, UGR≤19
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 3940 lm Power consumption = 28.2 W Luminous efficacy = 139.7 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: 51ME33DA4MBA EAN: 4069025800541	LP number 60075_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°	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: 51ME33DA4MBA EAN: 4069025800541	LP number 60075_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	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°
γ	Luminance in cd/m²						
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: 51ME33DA4MBA
EAN: 4069025800541

LP number
60075_3

Luminance values in cd/m²

γ 65°

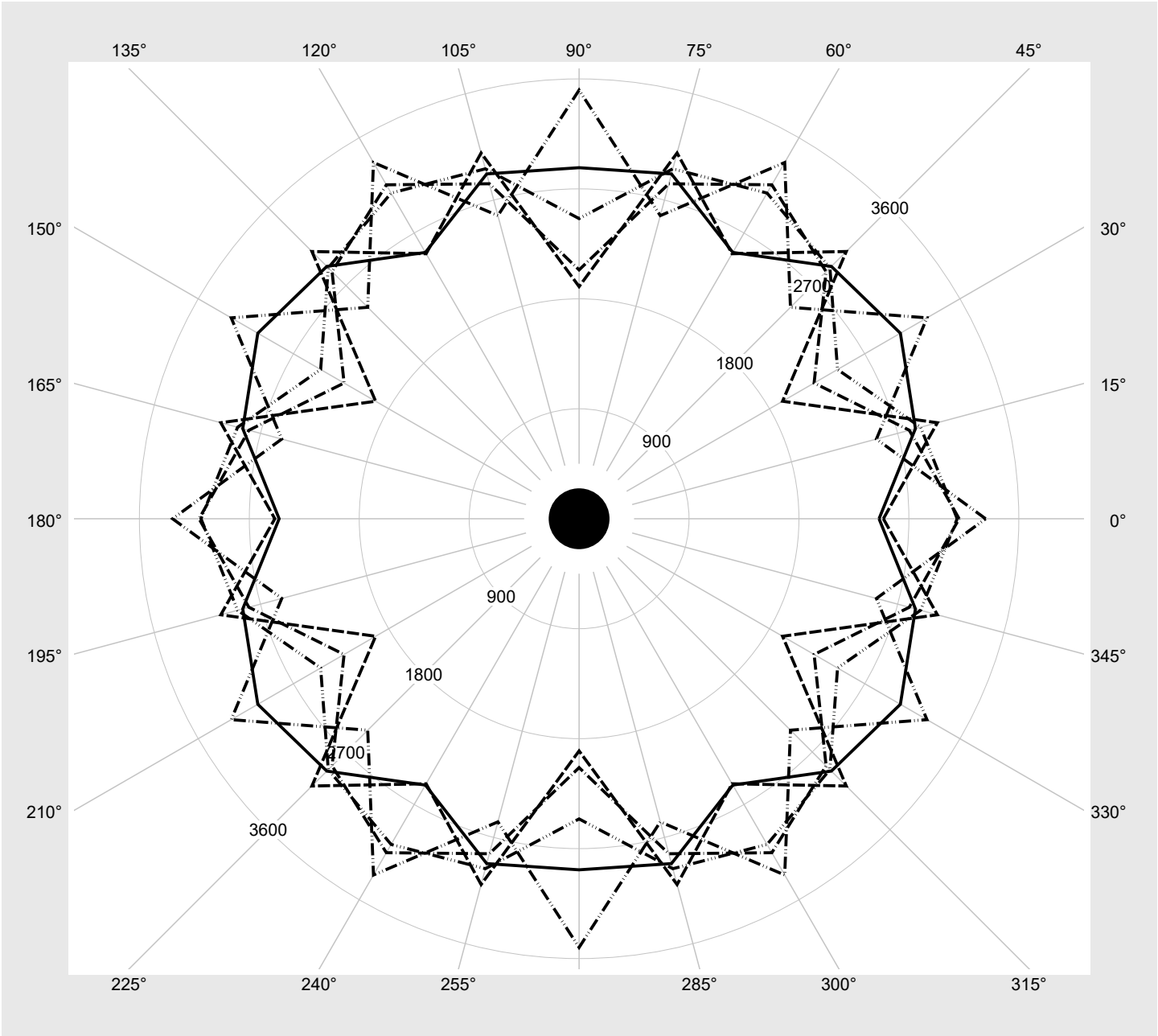
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51ME33DA4MBA EAN: 4069025800541	LP number 60075_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	3940	28.2
95	241	252	3742	26.8
90	228	250	3543	25.4
85	215	248	3343	24.1
80	203	246	3159	22.7
75	190	243	2958	21.3
70	177	241	2758	19.9
65	164	238	2556	18.5
60	152	235	2369	17.3
55	139	232	2167	15.9
50	126	228	1963	14.5
45	114	225	1775	13.2
40	101	220	1571	11.9
35	89	216	1382	10.6
30	76	210	1177	9.2
25	64	204	987	7.8
20	51	195	782	6.5
15	39	185	592	5.2
10	27	172	401	3.8
5	14	148	193	2.2
2	8	127	98	1.4