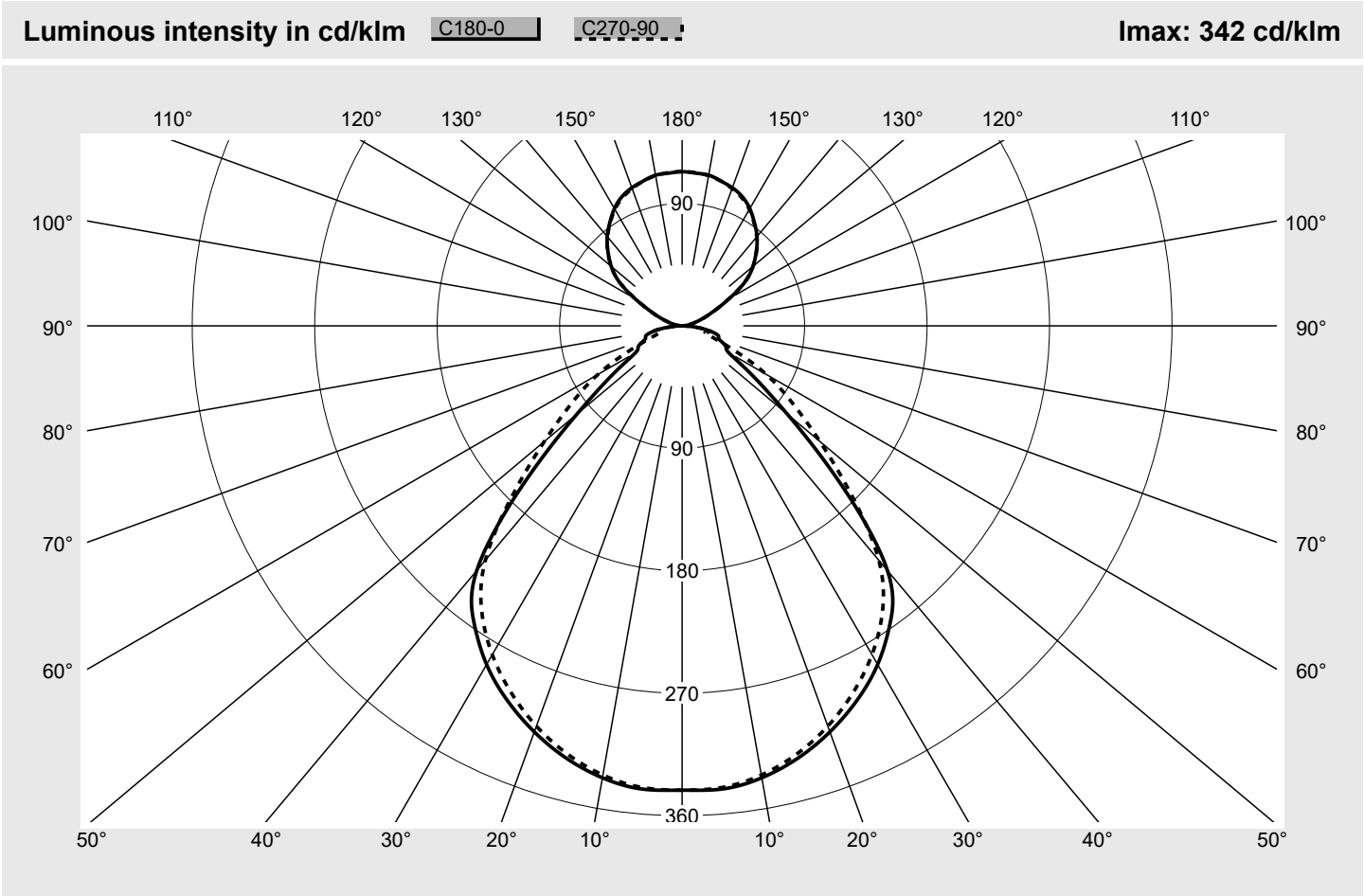


Photometric test report

Family Silica® 21 round L	Order number: 51MF33DC4MWA EAN: 4069025808479	LP number 60080_11
	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 = 16020 lm Power consumption = 88.8 W Luminous efficacy = 180.4 lm/W
		serial documentation 20.05.2026
		



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 L	Order number: 51MF33DC4MWA EAN: 4069025808479	LP number 60080_11
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 L	Order number: 51MF33DC4MWA EAN: 4069025808479	LP number 60080_11
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	14.5	15.6	15.3	16.3	17.2	14.3	15.4	15.1	16.1	17.0
	3H	15.1	16.1	15.9	16.8	17.8	15.0	15.9	15.7	16.7	17.6
	4H	15.6	16.4	16.3	17.2	18.2	15.3	16.2	16.1	16.9	17.9
	6H	16.0	16.8	16.8	17.6	18.6	15.7	16.5	16.5	17.3	18.3
	8H	16.2	16.9	17.0	17.7	18.7	15.9	16.6	16.7	17.4	18.4
	12H	16.3	17.0	17.1	17.8	18.8	16.0	16.7	16.8	17.5	18.5
4H	2H	14.6	15.5	15.4	16.3	17.3	14.5	15.4	15.3	16.2	17.1
	3H	15.4	16.2	16.2	17.0	18.0	15.4	16.1	16.2	17.0	18.0
	4H	16.0	16.6	16.8	17.4	18.4	15.9	16.6	16.7	17.4	18.4
	6H	16.5	17.1	17.4	17.9	19.0	16.5	17.1	17.3	17.9	18.9
	8H	16.7	17.2	17.6	18.1	19.1	16.7	17.2	17.5	18.1	19.1
	12H	17.0	17.4	17.8	18.3	19.3	16.9	17.3	17.7	18.2	19.3
8H	4H	16.1	16.6	16.9	17.5	18.5	16.1	16.6	16.9	17.4	18.5
	6H	16.8	17.3	17.7	18.1	19.2	16.8	17.2	17.7	18.1	19.2
	8H	17.2	17.6	18.1	18.4	19.5	17.2	17.6	18.1	18.5	19.5
	12H	17.5	17.8	18.4	18.7	19.8	17.5	17.8	18.4	18.7	19.8
12H	4H	16.2	16.6	17.0	17.5	18.5	16.1	16.6	17.0	17.5	18.5
	6H	17.0	17.3	17.8	18.2	19.3	16.9	17.3	17.8	18.2	19.3
	8H	17.3	17.6	18.2	18.5	19.6	17.4	17.7	18.2	18.6	19.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 886	
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°	6101.6	6494.0	6587.7	6461.1	5896.5	6448.4	6478.8
50°	4078.5	4679.0	5463.0	4676.2	4051.4	4604.8	5344.7
55°	2817.1	3218.4	4560.8	3204.3	2791.3	3134.7	4485.1
60°	2058.8	2494.4	3672.5	2521.7	2052.5	2461.6	3715.8
65°	2173.9	2523.6	2688.8	2585.7	2228.2	2586.8	2543.7
70°	2205.2	2688.3	1703.0	2738.6	2217.5	2743.8	1682.2
75°	2754.3	2477.9	1966.8	2531.9	2794.1	2513.0	1803.2
80°	2946.5	2231.1	2911.5	2166.6	2980.4	2273.9	3106.1
85°	2740.1	2562.4	2163.2	2570.8	2724.9	2625.1	2174.9

Photometric test report

Family
Silica® 21 round L

Order number: 51MF33DC4MWA
EAN: 4069025808479

LP number
60080_11

Luminance values in cd/m²

γ 65°

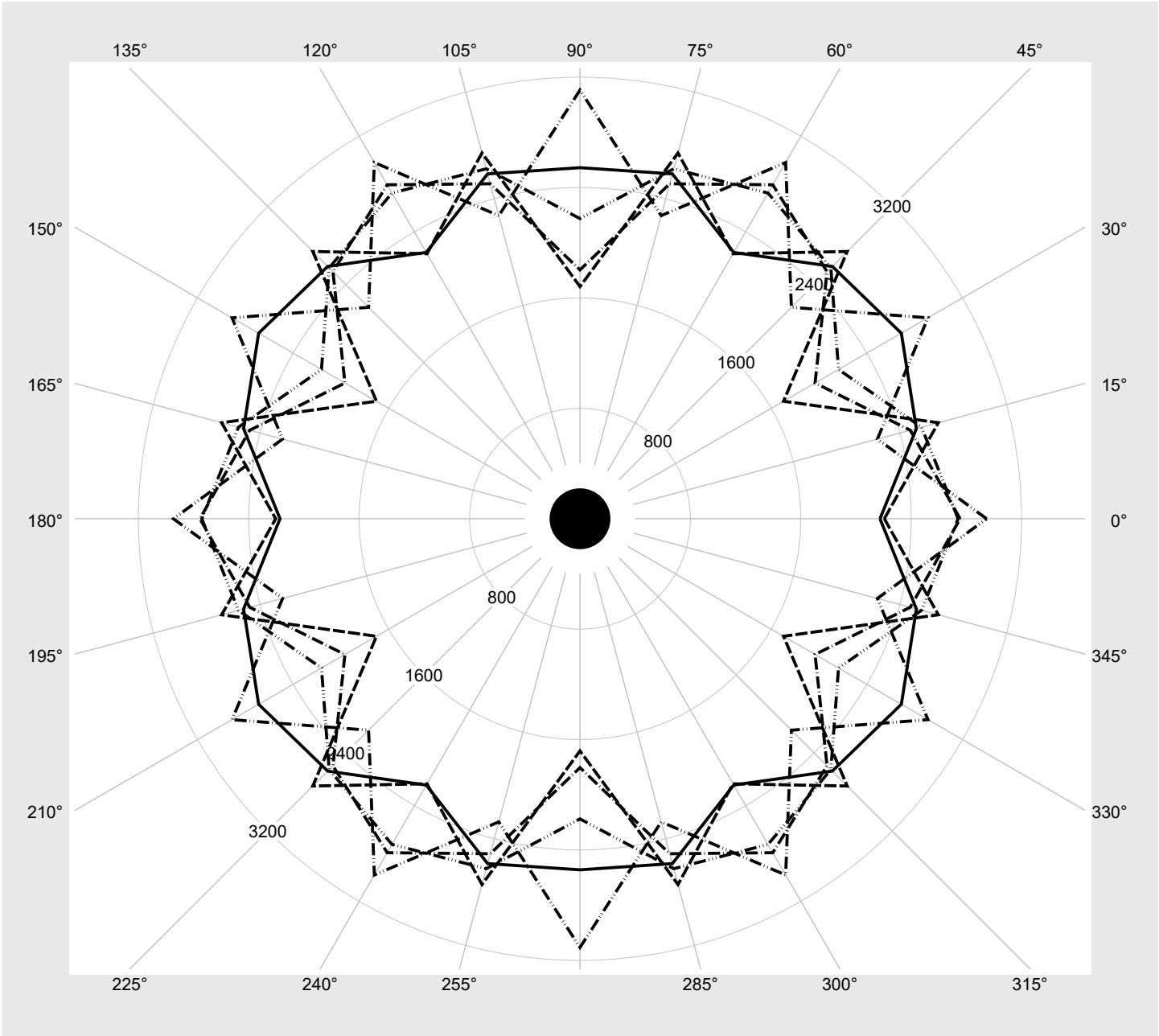
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round L	Order number: 51MF33DC4MWA EAN: 4069025808479	LP number 60080_11
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	16020	88.8
95	241	252	15210	84.4
90	228	250	14400	79.9
85	216	248	13648	75.7
80	203	246	12833	71.2
75	190	243	12014	66.6
70	177	241	11193	62.1
65	165	238	10432	58.1
60	152	235	9605	53.6
55	140	232	8840	49.4
50	127	229	8011	45.1
45	115	225	7238	41.1
40	102	221	6403	36.7
35	90	216	5628	32.6
30	77	210	4788	28.5
25	65	204	4007	24.6
20	53	197	3227	20.5
15	40	186	2379	15.9
10	28	173	1593	11.5
5	16	153	806	7.2
2	8	127	278	4.3