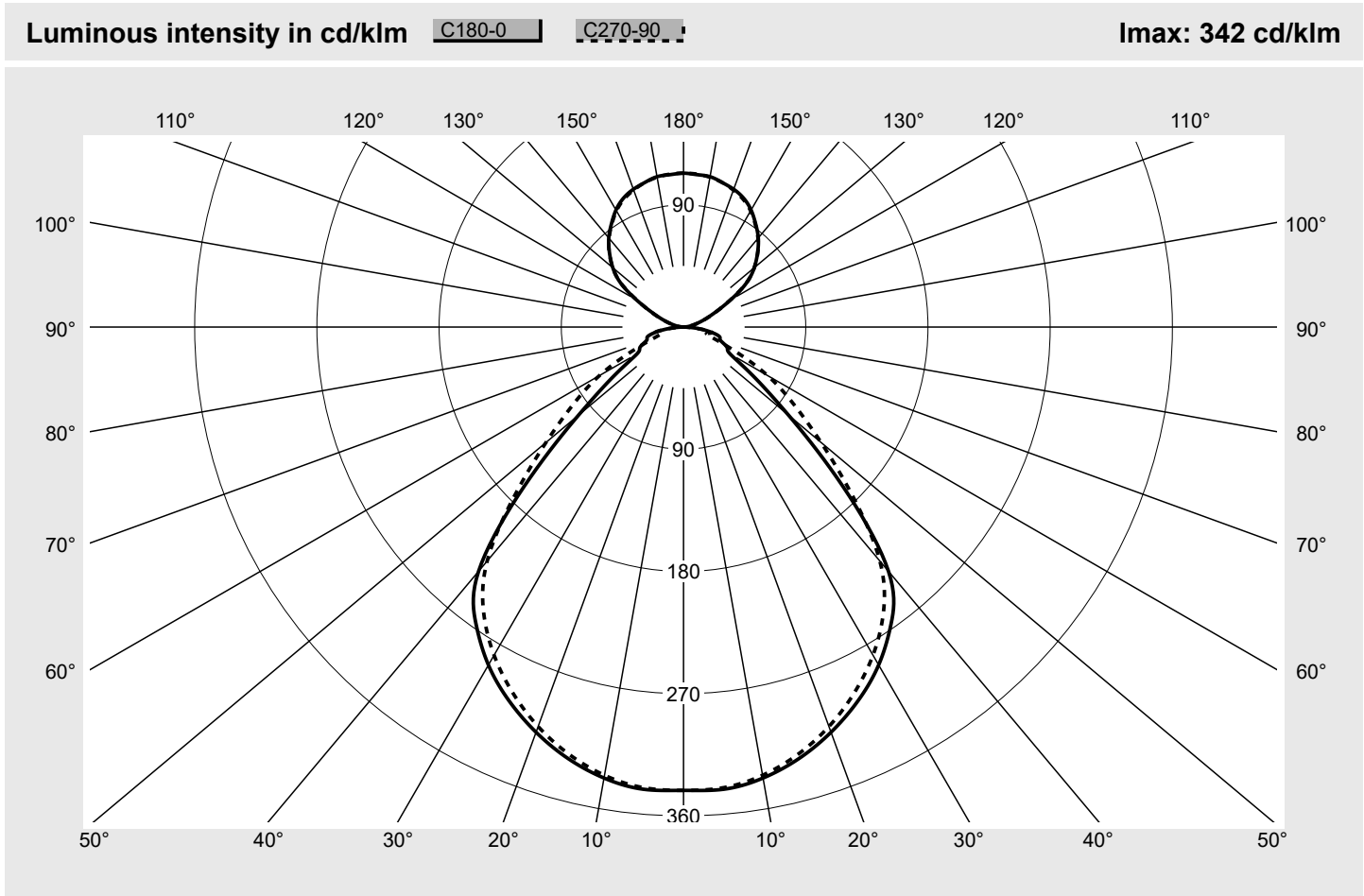


Photometric test report

Family Silica® 21 round L	Order number: 51MF33DCDMWA EAN: 4069025808530	LP number 60080_12
	Version	Suspended luminaire, housing, white, microprismatic optics, direct-/ indirect distribution, wide distribution, UGR≤19
	Lamps	LED 3000 K CRI ≥ 90
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 14810 lm Power consumption = 90.2 W Luminous efficacy = 164.2 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: 51MF33DCDMWA EAN: 4069025808530	LP number 60080_12
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: 51MF33DCDMWA EAN: 4069025808530	LP number 60080_12
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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	15.3	15.0	16.1	17.0	14.1	15.1	14.8	15.9	16.8
	3H	14.9	15.8	15.6	16.6	17.5	14.7	15.6	15.5	16.4	17.4
	4H	15.3	16.2	16.1	17.0	17.9	15.0	15.9	15.8	16.7	17.6
	6H	15.7	16.5	16.5	17.3	18.3	15.4	16.2	16.2	17.0	18.0
	8H	15.9	16.6	16.7	17.4	18.4	15.6	16.3	16.4	17.2	18.2
	12H	16.0	16.7	16.8	17.5	18.5	15.7	16.4	16.6	17.2	18.3
4H	2H	14.4	15.2	15.1	16.0	17.0	14.2	15.1	15.0	15.9	16.9
	3H	15.1	15.9	16.0	16.7	17.7	15.1	15.9	15.9	16.7	17.7
	4H	15.7	16.3	16.5	17.2	18.2	15.6	16.3	16.5	17.1	18.1
	6H	16.3	16.8	17.1	17.7	18.7	16.2	16.8	17.1	17.6	18.6
	8H	16.4	16.9	17.3	17.8	18.9	16.4	16.9	17.3	17.8	18.8
	12H	16.7	17.1	17.5	18.0	19.1	16.6	17.1	17.5	17.9	19.0
8H	4H	15.8	16.3	16.7	17.2	18.2	15.8	16.3	16.7	17.2	18.2
	6H	16.6	17.0	17.4	17.9	18.9	16.5	17.0	17.4	17.8	18.9
	8H	16.9	17.3	17.8	18.2	19.2	16.9	17.3	17.8	18.2	19.3
	12H	17.2	17.6	18.1	18.4	19.5	17.2	17.5	18.1	18.4	19.5
12H	4H	15.9	16.3	16.7	17.2	18.3	15.9	16.3	16.7	17.2	18.2
	6H	16.7	17.0	17.6	17.9	19.0	16.7	17.0	17.5	17.9	19.0
	8H	17.1	17.4	17.9	18.3	19.3	17.1	17.4	18.0	18.3	19.4

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 886	
C-planes		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°		5640.7	6003.5	6090.1	5973.0	5451.1	5989.5
50°		3770.4	4325.6	5050.4	4323.0	3745.4	4941.0
55°		2604.3	2975.3	4216.4	2962.3	2580.4	4146.3
60°		1903.3	2306.0	3395.1	2331.3	1897.5	3435.1
65°		2009.7	2333.0	2485.8	2390.4	2059.9	2351.6
70°		2038.6	2485.2	1574.4	2531.7	2050.0	1555.2
75°		2546.3	2290.8	1818.3	2340.7	2583.0	1667.0
80°		2723.9	2062.6	2691.6	2002.9	2755.3	2102.1
85°		2533.2	2368.9	1999.9	2376.6	2519.1	2426.8
							2010.6

Photometric test report

Family Silica® 21 round L	Order number: 51MF33DCDMWA EAN: 4069025808530	LP number 60080_12
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Luminance values in cd/m²

γ 65°

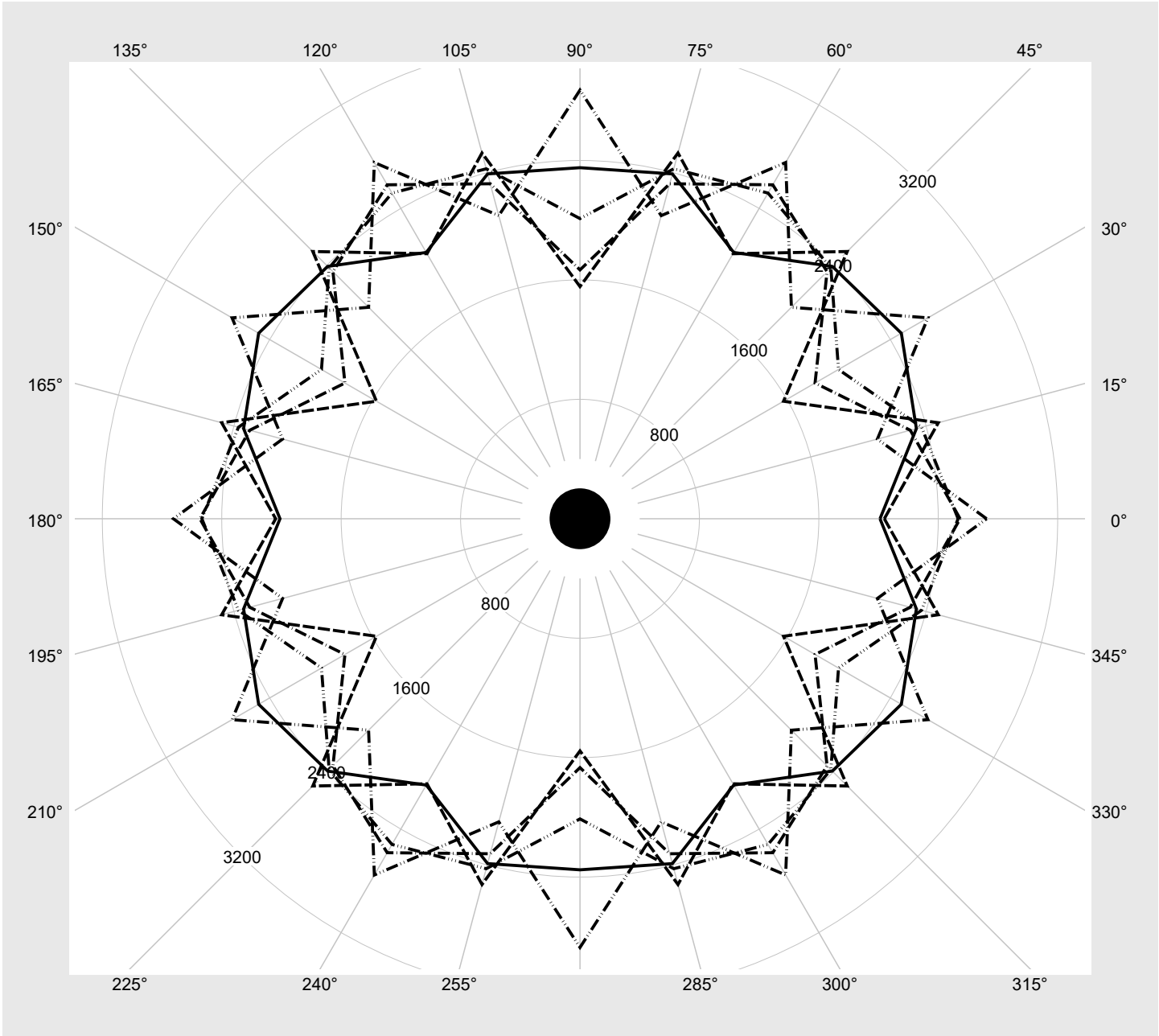
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round L	Order number: 51MF33DCDMWA EAN: 4069025808530	LP number 60080_12
Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14810	90.2
95	241	252	14077	85.6
90	228	250	13343	81.0
85	215	248	12605	76.3
80	202	246	11866	71.7
75	189	243	11120	67.0
70	176	241	10373	62.4
65	163	238	9622	57.9
60	150	235	8868	53.4
55	138	232	8171	49.2
50	125	228	7413	44.8
45	112	224	6650	40.4
40	100	220	5943	36.2
35	87	215	5175	31.9
30	75	209	4465	28.0
25	62	202	3692	23.7
20	50	194	2976	19.5
15	37	183	2197	14.8
10	25	169	1475	10.4
5	13	145	752	6.1
3	8	127	449	4.3