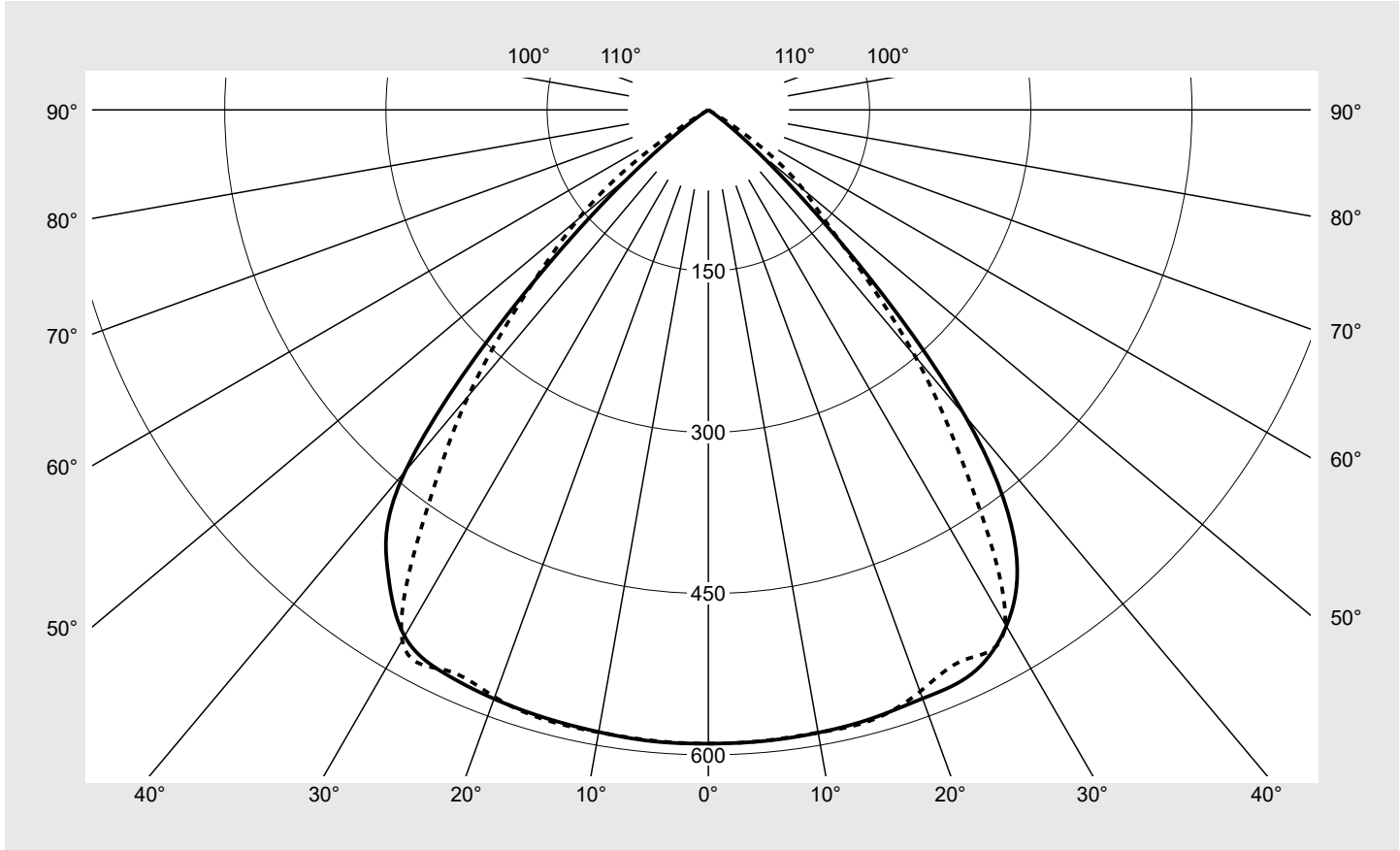


Photometric test report

Family Silica® 31	Order number: 51MY6LMS34BA EAN: 4069025073297	LP number 59650_7
	Version recessed luminaire for lay-in mounting, black, square M600, reflector, black, wide distribution, UGR≤19 (L65≤1000cd/m²)	serial documentation 28.06.2024
	Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Multilumen Setting factory setting: DIP-Step=8 Rated values Net luminous flux = 4600 lm Power consumption = 28.0 W Luminous efficacy = 164.3 lm/W	



Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 590 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=82 N2=100 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 31	Order number: 51MY6LMS34BA EAN: 4069025073297	LP number 59650_7
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Table of values for luminous intensities **Maximum luminous intensity**

C-planes	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Luminous intensity in cd/klm												
0°	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6
5°	589.5	589.4	589.4	589.4	589.1	588.9	589.2	589.5	589.6	589.5	589.6	589.6	589.7
10°	588.4	588.4	588.5	588.4	588.4	588.1	588.3	588.8	588.4	588.3	587.8	587.7	587.7
15°	586.3	586.7	587.2	587.4	587.7	587.1	587.8	587.6	587.9	587.6	586.9	585.8	585.7
20°	582.8	583.8	584.9	586.9	579.9	576.4	575.9	577.8	581.6	586.4	584.6	583.0	583.1
25°	579.2	579.2	581.5	570.2	565.1	564.1	564.4	566.6	567.6	571.7	580.2	577.6	579.0
30°	554.5	553.6	560.9	539.2	545.9	549.7	552.3	555.3	547.8	540.2	561.0	561.0	565.4
35°	498.6	485.5	470.2	482.4	488.3	439.7	426.4	444.7	494.0	488.0	493.6	513.1	520.6
40°	371.4	369.8	347.4	366.4	347.6	303.2	299.4	314.1	345.6	402.6	363.9	402.3	438.8
45°	173.6	197.8	191.8	230.8	196.6	169.1	173.7	176.6	203.2	230.1	209.2	207.7	245.6
50°	53.2	68.1	63.9	99.8	75.7	99.3	115.6	109.0	73.3	118.0	90.8	77.6	91.9
55°	8.2	12.8	28.5	28.3	40.6	53.2	58.3	56.6	44.0	28.5	31.6	22.9	17.4
60°	0.5	1.7	6.4	13.2	16.3	8.1	0.6	8.4	15.6	16.0	11.1	2.3	1.9
65°	0.1	0.1	0.3	4.4	0.5	0.4	0.4	0.4	0.6	4.7	0.6	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.4	0.2	0.1	0.1	0.1
75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
80°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family Silica® 31	Order number: 51MY6LMS34BA EAN: 4069025073297	LP number 59650_7
Table of values for luminous intensities		Maximum luminous intensity
		sITeCO

C-planes	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0°	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	589.6	3.5	3.5
5°	589.5	589.3	589.3	589.4	589.3	589.1	588.8	589.2	589.5	589.5	589.5	28.2	31.7
10°	587.5	587.5	587.8	587.7	588.4	588.0	588.4	588.9	588.9	588.9	588.7	56.0	87.7
15°	585.8	586.7	586.7	587.0	586.5	587.4	587.6	588.6	588.4	587.7	587.0	83.3	171.0
20°	583.0	584.9	586.7	582.7	580.7	581.3	582.8	584.9	587.8	585.6	584.3	109.3	280.2
25°	578.6	581.4	576.5	573.9	573.7	575.5	576.6	575.9	575.8	582.3	578.8	133.1	413.4
30°	565.7	567.2	554.0	561.2	566.8	569.8	569.4	562.7	551.6	563.9	555.4	152.7	566.1
35°	519.1	512.8	512.1	516.7	470.5	458.8	472.3	512.1	508.2	485.7	495.3	153.4	719.5
40°	419.8	392.7	437.6	379.4	355.4	347.6	349.4	376.2	408.2	372.4	384.6	130.6	850.1
45°	224.5	235.9	266.4	242.6	230.4	237.2	228.0	224.8	263.5	221.4	214.1	83.9	934.0
50°	91.7	102.6	142.9	109.4	150.3	158.2	143.3	100.5	118.0	83.4	71.0	42.1	976.1
55°	27.0	36.0	36.8	66.0	78.6	80.0	77.1	54.2	36.8	37.9	13.2	18.2	994.3
60°	2.7	13.2	20.7	23.8	12.3	1.4	12.4	22.5	17.7	8.3	1.8	4.7	999.1
65°	0.1	1.0	6.4	1.9	1.1	1.0	1.1	1.9	6.4	0.5	0.1	0.7	999.8
70°	0.1	0.1	0.6	1.1	0.6	0.5	0.6	1.1	0.3	0.1	0.1	0.2	999.9
75°	0.0	0.0	0.1	0.3	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.0	1000.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Silica® 31	Order number: 51MY6LMS34BA EAN: 4069025073297	LP number 59650_7
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UGR-Table	Standard room	siteco
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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	19.8	21.1	20.1	21.4	21.7	19.7	21.1	20.1	21.4	21.7
	3H	19.6	20.8	20.0	21.1	21.5	19.6	20.8	20.0	21.1	21.5
	4H	19.6	20.6	20.0	21.0	21.4	19.5	20.6	19.9	21.0	21.3
	6H	19.5	20.5	19.9	20.8	21.2	19.5	20.4	19.9	20.8	21.2
	8H	19.5	20.4	19.9	20.8	21.2	19.4	20.3	19.9	20.7	21.1
	12H	19.5	20.3	19.9	20.7	21.1	19.5	20.3	19.9	20.7	21.1
4H	2H	19.6	20.7	20.0	21.0	21.4	19.5	20.6	19.9	21.0	21.3
	3H	19.5	20.3	19.9	20.7	21.1	19.4	20.3	19.8	20.7	21.1
	4H	19.4	20.1	19.8	20.6	21.0	19.3	20.1	19.8	20.5	20.9
	6H	19.3	20.0	19.8	20.4	20.9	19.2	19.9	19.7	20.3	20.8
	8H	19.3	19.8	19.7	20.3	20.8	19.2	19.8	19.7	20.2	20.7
	12H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.1	20.6
8H	4H	19.3	19.8	19.7	20.3	20.8	19.2	19.8	19.7	20.2	20.7
	6H	19.2	19.6	19.6	20.1	20.6	19.1	19.6	19.6	20.1	20.6
	8H	19.1	19.5	19.6	20.0	20.5	19.0	19.5	19.5	20.0	20.5
	12H	19.1	19.4	19.6	19.9	20.5	19.0	19.4	19.5	19.9	20.4
12H	4H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.1	20.6
	6H	19.1	19.5	19.6	20.0	20.5	19.1	19.5	19.6	20.0	20.5
	8H	19.1	19.4	19.6	19.9	20.5	19.0	19.4	19.5	19.9	20.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 240	B = 240
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C-planes	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Luminance in cd/m ²											
45°	19611.0	21664.6	22206.3	19622.3	22950.9	23628.0	27735.2	26640.8	27396.8	26787.5	25388.3	25004.6
50°	6608.5	7941.7	9408.8	14361.5	9102.2	11281.9	11412.2	12748.0	13592.1	19649.3	12487.3	10364.6
55°	1141.0	3974.1	5649.0	8115.5	6130.3	4404.1	2426.0	5006.4	9183.8	11140.9	7546.5	5270.7
60°	80.0	1023.7	2601.1	91.7	2497.4	1764.9	307.3	2101.6	3796.3	228.1	3601.6	1330.3
65°	26.5	65.0	94.9	76.5	113.8	120.6	36.7	192.0	350.5	180.7	358.1	89.2
70°	13.8	22.6	75.9	55.1	89.7	26.6	25.9	17.5	259.9	112.8	262.0	13.5
75°	3.4	15.1	45.0	20.7	44.7	21.9	19.1	11.4	98.4	3.4	100.3	3.4
80°	0.0	29.9	10.6	0.0	6.9	21.6	15.6	5.1	0.9	0.0	1.4	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0

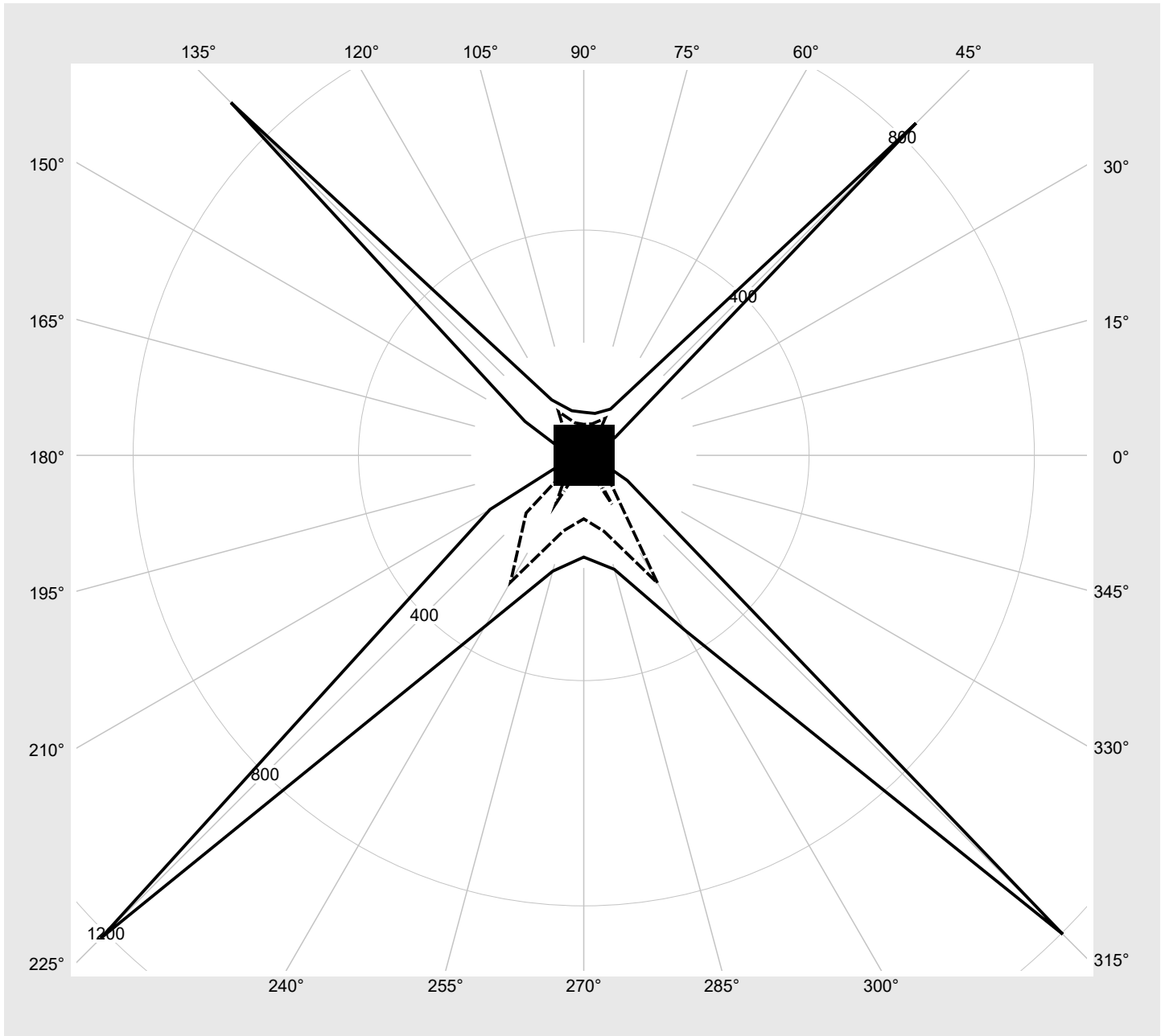
Photometric test report

Family Silica® 31	Order number: 51MY6LMS34BA EAN: 4069025073297	LP number 59650_7
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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® 31	Order number: 51MY6LMS34BA EAN: 4069025073297	LP number 59650_7
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	6250	39.0
14	OFF	ON	ON	ON	5990	37.0
13	ON	OFF	ON	ON	5720	35.0
12	OFF	OFF	ON	ON	5450	33.0
10	OFF	ON	OFF	ON	5180	31.5
9	ON	OFF	OFF	ON	4930	30.0
8	OFF	OFF	OFF	ON	4600	28.0
6	OFF	ON	ON	OFF	4340	26.0
5	ON	OFF	ON	OFF	4090	24.5
4	OFF	OFF	ON	OFF	3820	22.5
2	OFF	ON	OFF	OFF	3530	21.0
1	ON	OFF	OFF	OFF	3240	19.0
0	OFF	OFF	OFF	OFF	2950	17.5