
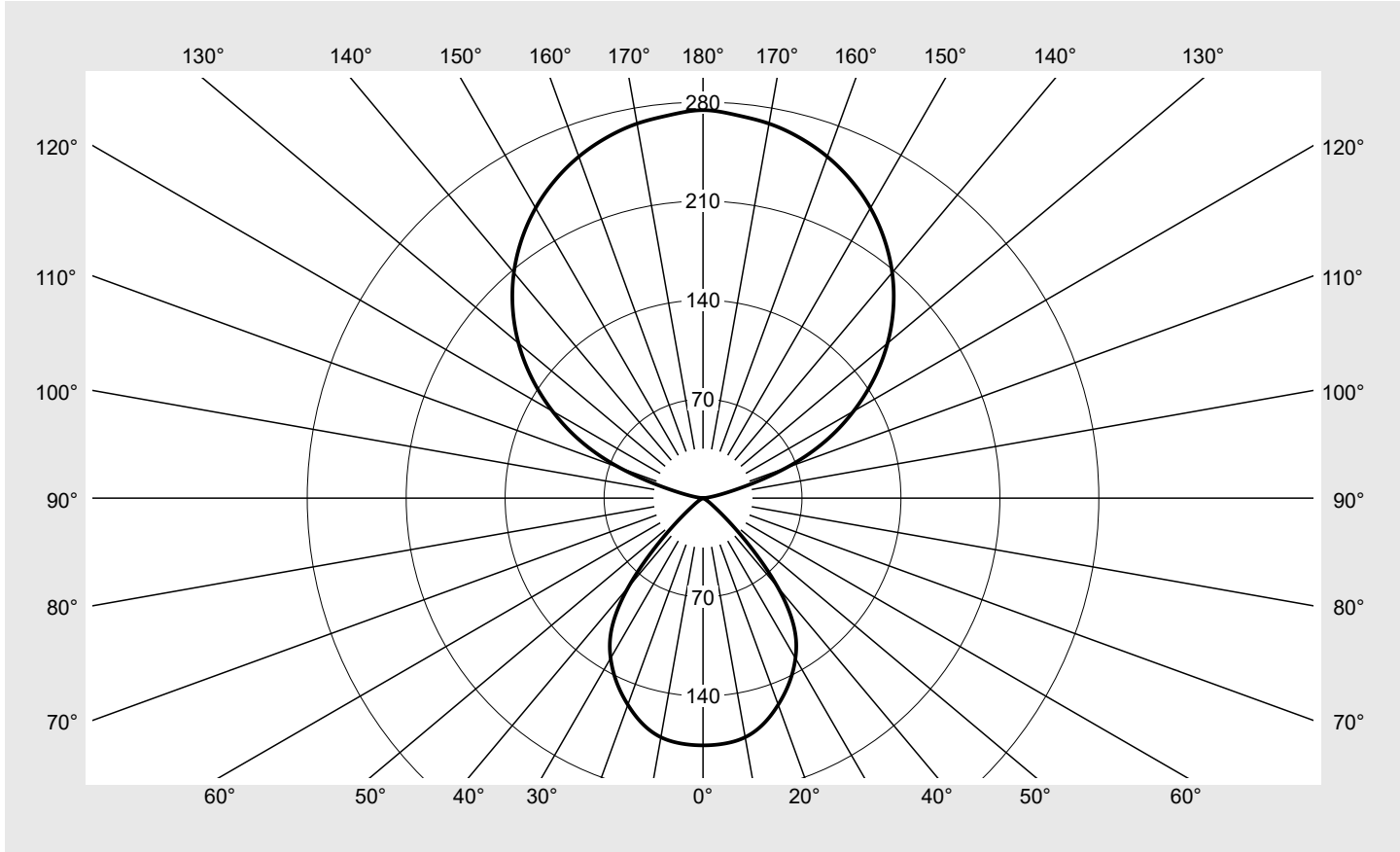


Photometric test report

Family Silica® 31 	Order number: 51MY52HMTCW EAN: 4058352966792	LP number 59485_77
	Version floorstanding upright, white, direct-/ indirect distribution, wide distribution, with two luminaire heads, CAT2 ($L \leq 1000 \text{ cd/m}^2$), tunable white Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Setting factory setting Rated values Net luminous flux = 17040 lm Power consumption = 142.0 W Luminous efficacy = 120 lm/W	serial documentation 06.11.2023



Luminous intensity in cd/klm C180-0 **Imax: 274 cd/klm**



Classifications	
DIN 5040	D 6 3
CIE	N1=86 N2=100 N3=100 N4=24 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	23.9%
ϕ_o	76.1%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	174.8	1.0	1.0
5°	174.2	8.3	9.4
10°	171.7	16.3	25.7
15°	165.2	23.4	49.2
20°	155.5	29.1	78.3
25°	144.2	33.4	111.7
30°	130.7	35.8	147.5
35°	112.7	35.4	183.0
40°	82.3	29.0	211.9
45°	42.4	16.4	228.4
50°	15.4	6.5	234.9
55°	6.2	2.8	237.6
60°	2.3	1.1	238.8
65°	0.8	0.4	239.1
70°	0.2	0.1	239.2
75°	0.0	0.0	239.3
80°	0.0	0.0	239.3
85°	0.0	0.0	239.3
90°	0.1	0.1	239.3
95°	1.3	0.7	240.0
100°	8.1	4.4	244.4
105°	26.4	14.0	258.3
110°	62.5	32.2	290.5
115°	95.7	47.5	338.1
120°	123.0	58.4	396.4
125°	147.8	66.4	462.8
130°	170.4	71.5	534.4
135°	190.4	73.8	608.2
140°	208.2	73.3	681.5
145°	223.6	70.3	751.8
150°	236.9	64.9	816.7
155°	247.9	57.4	874.2
160°	257.0	48.2	922.3
165°	263.9	37.4	959.8
170°	268.9	25.6	985.4
175°	271.9	13.0	998.4
180°	274.4	1.6	1000.0

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UGR-Table	Standard room	sITeco
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The UGR formula for this luminaire type cannot be used, see LiTG Publication 20:
"The UGR - Process for Evaluation of Direct Glare of Artificial Lighting in Indoor Rooms"

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1600 B = 52
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C-planes	0°
γ	Luminance in cd/m ²
45°	12274.2
50°	4922.1
55°	2216.7
60°	958.5
65°	366.4
70°	130.5
75°	21.4
80°	20.1
85°	39.9

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

