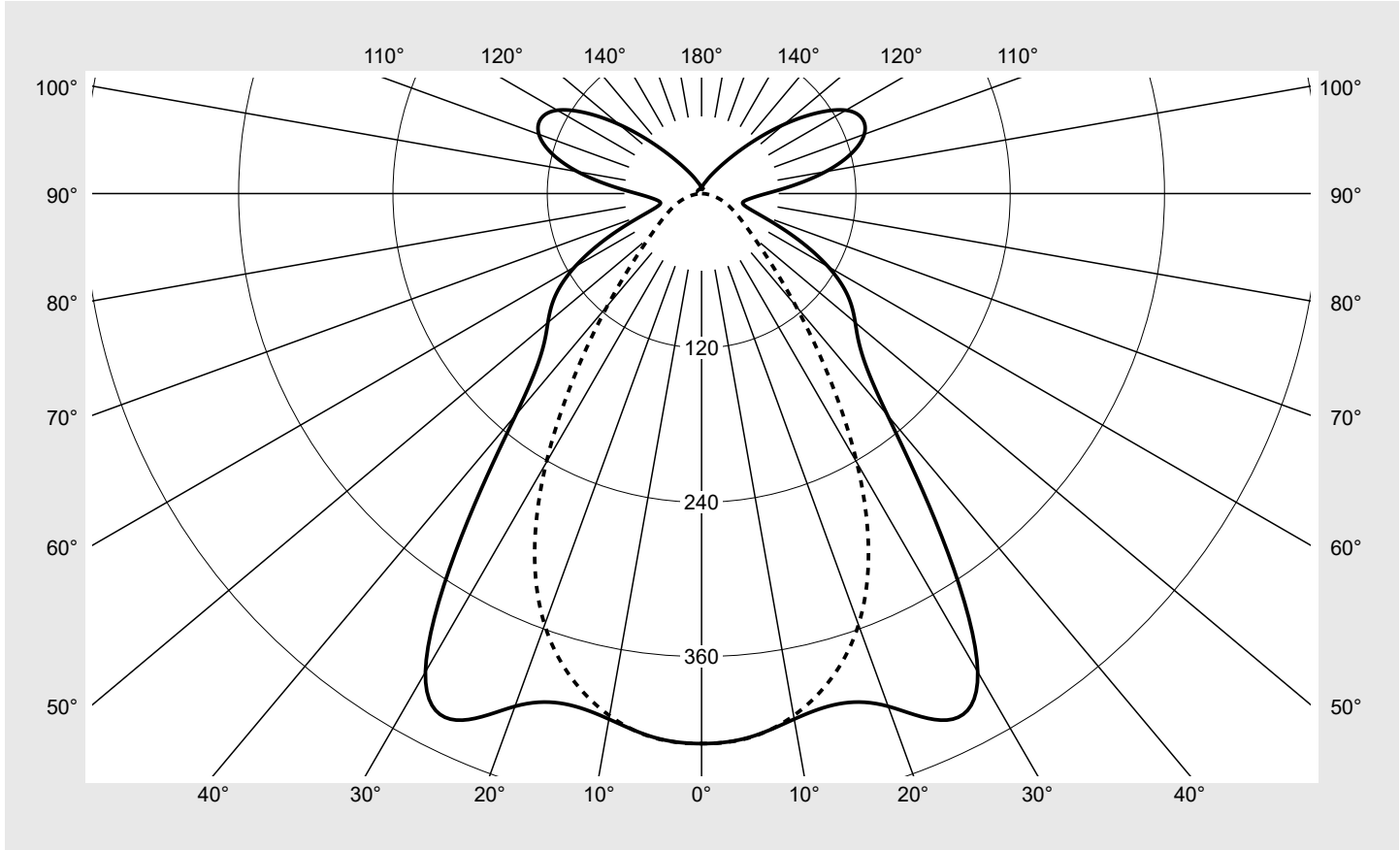


# Photometric test report

<b>Family</b> <b>Licross® 21 Performance</b>	<b>Order number: 52TD16MN4A5G</b> <b>EAN: 4058352903186</b>	<b>LP number</b> <b>58520_330</b>
	<b>Version</b> cover frosted, direct-/ indirect distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 10890 lm Power consumption = 60.5 W Luminous efficacy = 180 lm/W	<b>serial documentation</b> <b>24.08.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 452 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	79.3%
$\phi_o$	20.7%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Licross® 21 Performance</b>	Order number: <b>52TD16MN4A5G</b> EAN: <b>4058352903186</b>	LP number <b>58520_330</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	1000.0

## Photometric test report

<b>Family</b> Licross® 21 Performance	<b>Order number: 52TD16MN4A5G</b> <b>EAN: 4058352903186</b>	<b>LP number</b> 58520_330
--	--	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	19.4	20.6	19.9	21.2	21.8	15.6	16.8	16.1	17.4	18.0
	3H	20.0	21.1	20.6	21.7	22.4	16.0	17.1	16.6	17.7	18.4
	4H	20.1	21.1	20.8	21.8	22.5	16.2	17.2	16.8	17.8	18.5
	6H	20.4	21.3	21.1	21.9	22.7	16.3	17.3	16.9	17.9	18.6
	8H	20.6	21.4	21.3	22.1	22.9	16.3	17.2	17.0	17.9	18.6
	12H	21.0	21.7	21.7	22.4	23.2	16.3	17.2	17.0	17.8	18.6
4H	2H	19.4	20.4	20.0	21.0	21.7	16.0	17.0	16.7	17.7	18.4
	3H	20.1	20.9	20.7	21.6	22.3	16.6	17.5	17.3	18.1	18.9
	4H	20.3	21.1	21.0	21.8	22.5	16.9	17.7	17.6	18.3	19.1
	6H	20.7	21.4	21.4	22.1	22.9	17.1	17.8	17.8	18.5	19.3
	8H	21.1	21.7	21.8	22.4	23.3	17.2	17.8	17.9	18.5	19.3
	12H	21.6	22.1	22.4	22.9	23.7	17.2	17.7	17.9	18.5	19.3
8H	4H	20.3	20.9	21.0	21.6	22.4	17.0	17.6	17.8	18.4	19.2
	6H	20.8	21.3	21.6	22.1	22.9	17.4	17.9	18.2	18.7	19.6
	8H	21.3	21.8	22.1	22.5	23.4	17.6	18.0	18.4	18.8	19.7
	12H	22.1	22.4	22.9	23.2	24.1	17.7	18.1	18.5	18.9	19.8
12H	4H	20.2	20.8	21.0	21.5	22.4	17.1	17.6	17.8	18.3	19.2
	6H	20.8	21.2	21.6	22.0	22.9	17.5	18.0	18.3	18.7	19.6
	8H	21.4	21.7	22.1	22.5	23.4	17.8	18.1	18.5	18.9	19.8

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 36</b>	<b>H(C180) = 36</b>
			<b>B = 115</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	12157.6	12144.6	14202.6	16647.6	10018.6	7057.5	6846.0	
	50°	11309.4	10555.7	10273.3	12146.1	7569.2	5349.6	5292.6	
	55°	10715.0	9577.2	7914.4	8452.5	5825.3	4339.0	4437.2	
	60°	9433.5	8325.1	6284.6	5985.5	4665.8	3708.7	3941.0	
	65°	7223.9	6442.8	4937.1	4496.8	3915.9	3305.5	3638.7	
	70°	4795.6	4433.9	3817.1	3622.9	3421.3	3012.4	3410.9	
	75°	3870.4	3620.8	3208.5	3140.9	3109.9	2739.8	3142.3	
	80°	4478.2	4170.5	3441.3	2969.6	2952.3	2504.2	2766.1	
	85°	6297.4	5872.8	4708.7	3577.8	2993.3	2367.3	2355.1	

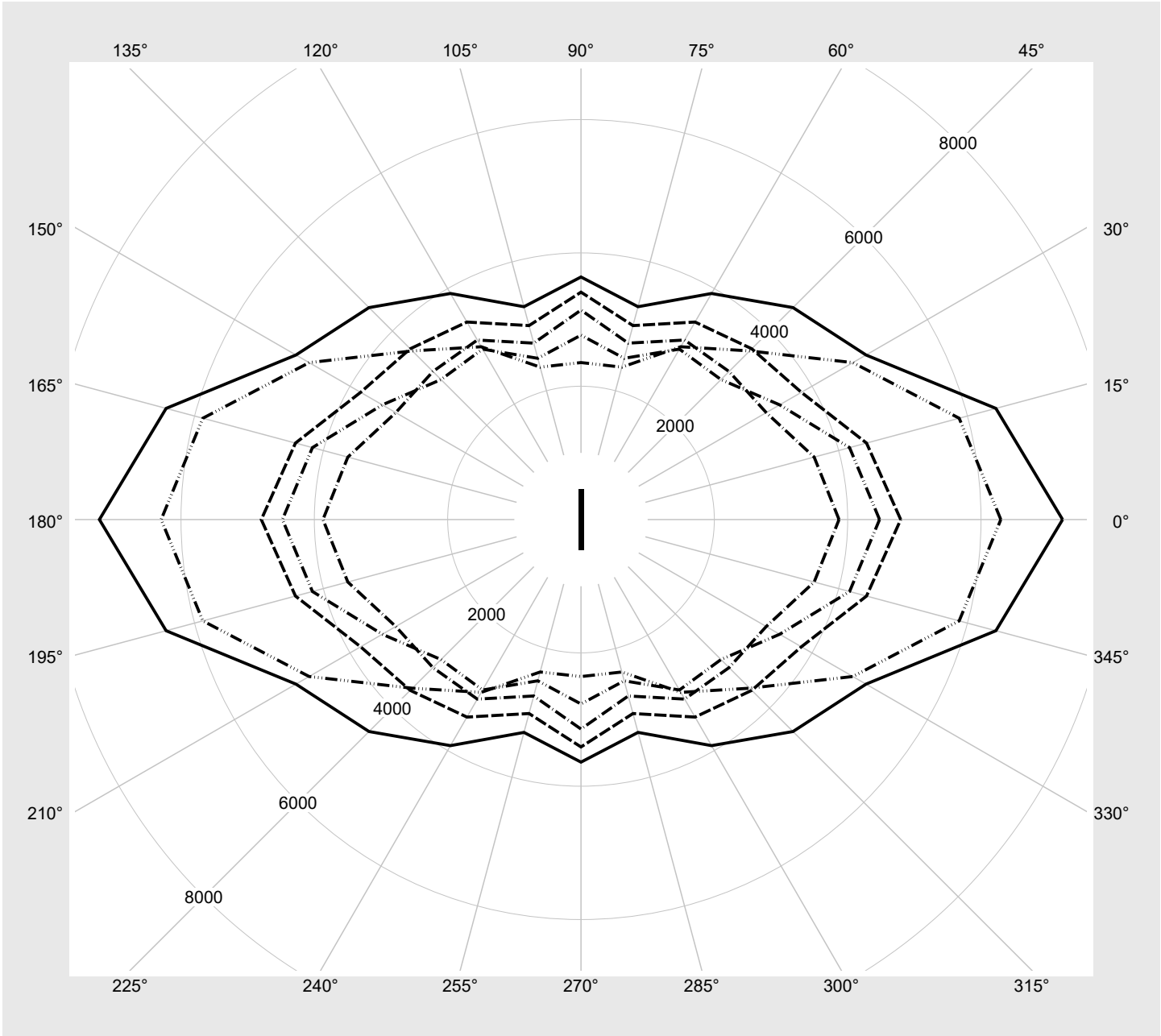
**Photometric test report**

<b>Family</b> <b>Licross® 21 Performance</b>	<b>Order number: 52TD16MN4A5G</b> <b>EAN: 4058352903186</b>	<b>LP number</b> <b>58520_330</b>
---	--	--------------------------------------

**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
--------------	--------------	--------------	--------------	--------------

**siteco**



## Photometric test report

Family  
Licross® 21 Performance

Order number: 52TD16MN4A5G  
EAN: 4058352903186

LP number  
58520\_330

### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10890	60.5
2	A	C	F	9997	56.1
3	A	D	E	9504	53.1
4	A	D	F	9000	50.0
5	B	C	E	8496	47.0
6	B	C	F	7981	43.9
7	B	D	E	7467	41.0
8	B	D	F	7025	38.4