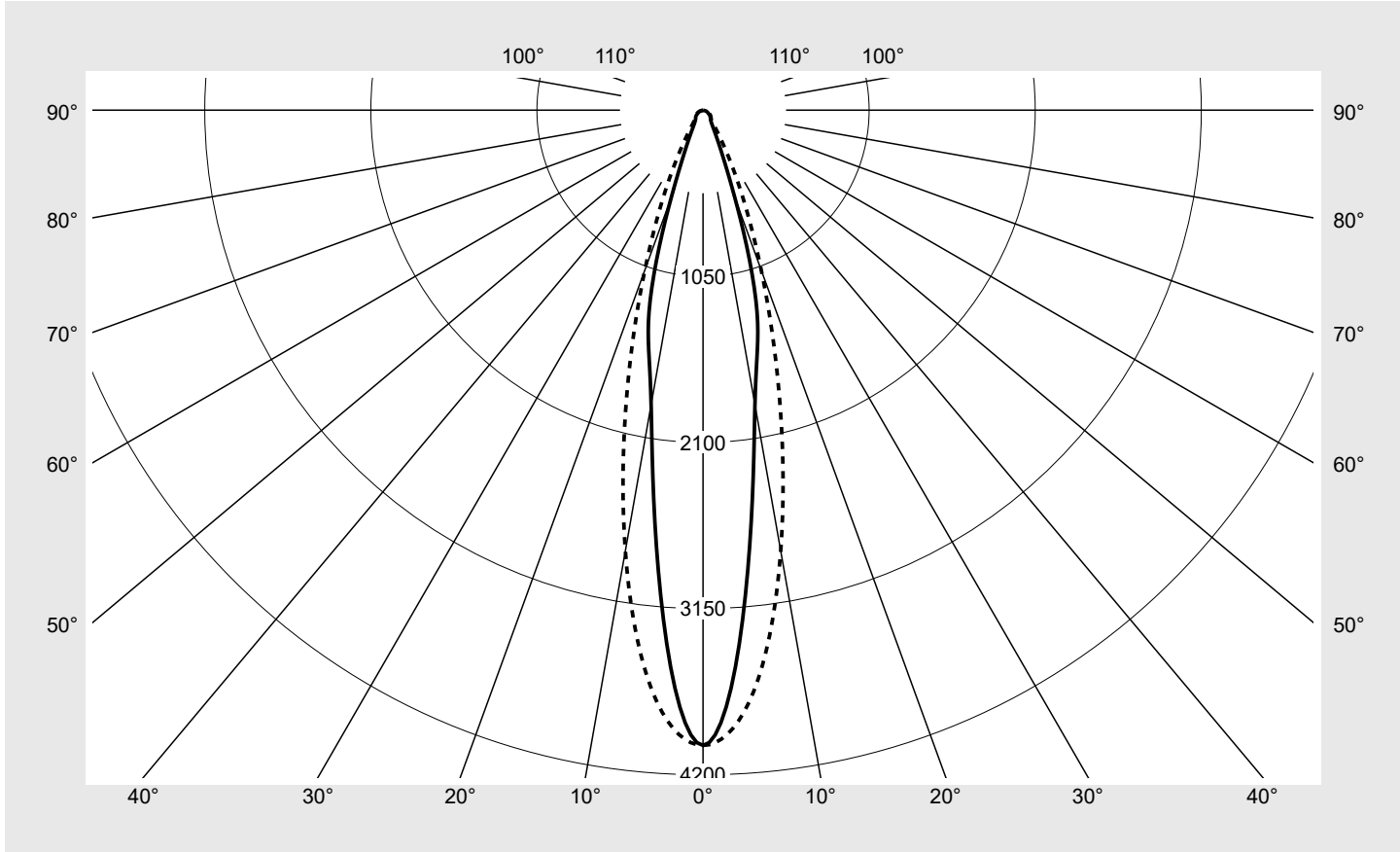


# Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TD13CN4E5S</b> <b>EAN: 4058352928769</b>	<b>LP number</b> 58527_95
<b>Version</b>	prismatic cover, frosted, extremely narrow distribution	<b>serial documentation</b> 12.10.2023
<b>Lamps</b>	LED 4000 K   CRI ≥ 80	
<b>Controlgear</b>	ECG-Multilumen CLOi	
<b>Rated values</b>	Net luminous flux = 14500 lm Power consumption = 77.6 W Luminous efficacy = 186.9 lm/W	



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 4014 cd/klm**



Classifications	
DIN 5040	A 8 1
CIE	N1=89 N2=96 N3=99 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	99.7%
$\phi_o$	0.3%

Measurement conditions
DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes γ	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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	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	1000.0
110°	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	1000.0
120°	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	1000.0
130°	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	1000.0
140°	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	1000.0
150°	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	1000.0
160°	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	1000.0
170°	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	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Photometric test report

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	14.8	15.9	15.1	16.2	16.5	15.3	16.4	15.7	16.7	17.0
	3H	16.4	17.1	16.8	17.5	17.8	16.8	17.6	17.2	17.9	18.3
	4H	16.8	17.7	17.2	18.0	18.4	17.0	17.9	17.4	18.3	18.6
	6H	17.2	18.2	17.6	18.6	19.0	17.0	18.0	17.5	18.4	18.8
	8H	17.9	18.5	18.3	18.9	19.3	17.2	18.1	17.6	18.4	18.9
	12H	17.9	18.7	18.3	19.1	19.5	17.2	18.0	17.6	18.4	18.8
4H	2H	15.0	15.9	15.4	16.3	16.6	15.5	16.4	15.9	16.7	17.1
	3H	16.5	17.3	16.9	17.7	18.1	16.8	17.5	17.2	17.9	18.4
	4H	17.3	18.0	17.7	18.4	18.8	17.3	18.0	17.8	18.4	18.8
	6H	17.8	18.6	18.3	19.1	19.5	17.4	18.2	17.9	18.6	19.1
	8H	18.5	19.0	19.0	19.4	19.9	17.8	18.3	18.3	18.7	19.2
	12H	18.6	19.3	19.1	19.7	20.2	17.6	18.2	18.1	18.7	19.2
8H	4H	17.5	18.0	18.0	18.4	18.9	17.5	18.0	18.0	18.4	18.9
	6H	18.7	18.8	19.2	19.3	19.8	18.0	18.3	18.5	18.8	19.3
	8H	18.8	19.2	19.3	19.7	20.2	18.1	18.5	18.6	18.9	19.5
	12H	19.0	19.6	19.5	20.1	20.6	17.9	18.5	18.4	18.9	19.5
12H	4H	17.2	17.9	17.7	18.3	18.8	17.2	17.9	17.7	18.3	18.8
	6H	18.1	18.7	18.6	19.2	19.7	17.7	18.3	18.2	18.8	19.3
	8H	18.6	19.2	19.1	19.7	20.2	17.9	18.5	18.4	19.0	19.5

<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) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</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°		9995.6	8899.2	6973.3	6276.5	7008.9	9390.9	12721.6	
50°		9463.7	8290.1	6399.6	5550.2	5824.9	8254.7	12700.8	
55°		8339.8	7419.8	6010.6	5092.9	5144.1	7238.2	12519.3	
60°		7370.8	6474.8	5591.0	4776.9	4681.2	6327.8	11921.8	
65°		6573.0	5626.5	5128.1	4601.7	4373.5	5527.7	10590.2	
70°		6019.9	5050.0	4539.6	4475.6	4151.0	4819.6	8586.3	
75°		5733.6	4747.2	4059.3	4344.0	3980.2	4181.8	6511.3	
80°		5412.4	4587.3	3863.7	4149.2	3887.8	3594.5	4739.3	
85°		5224.4	4551.7	3984.5	4138.0	4098.0	3094.6	3313.3	

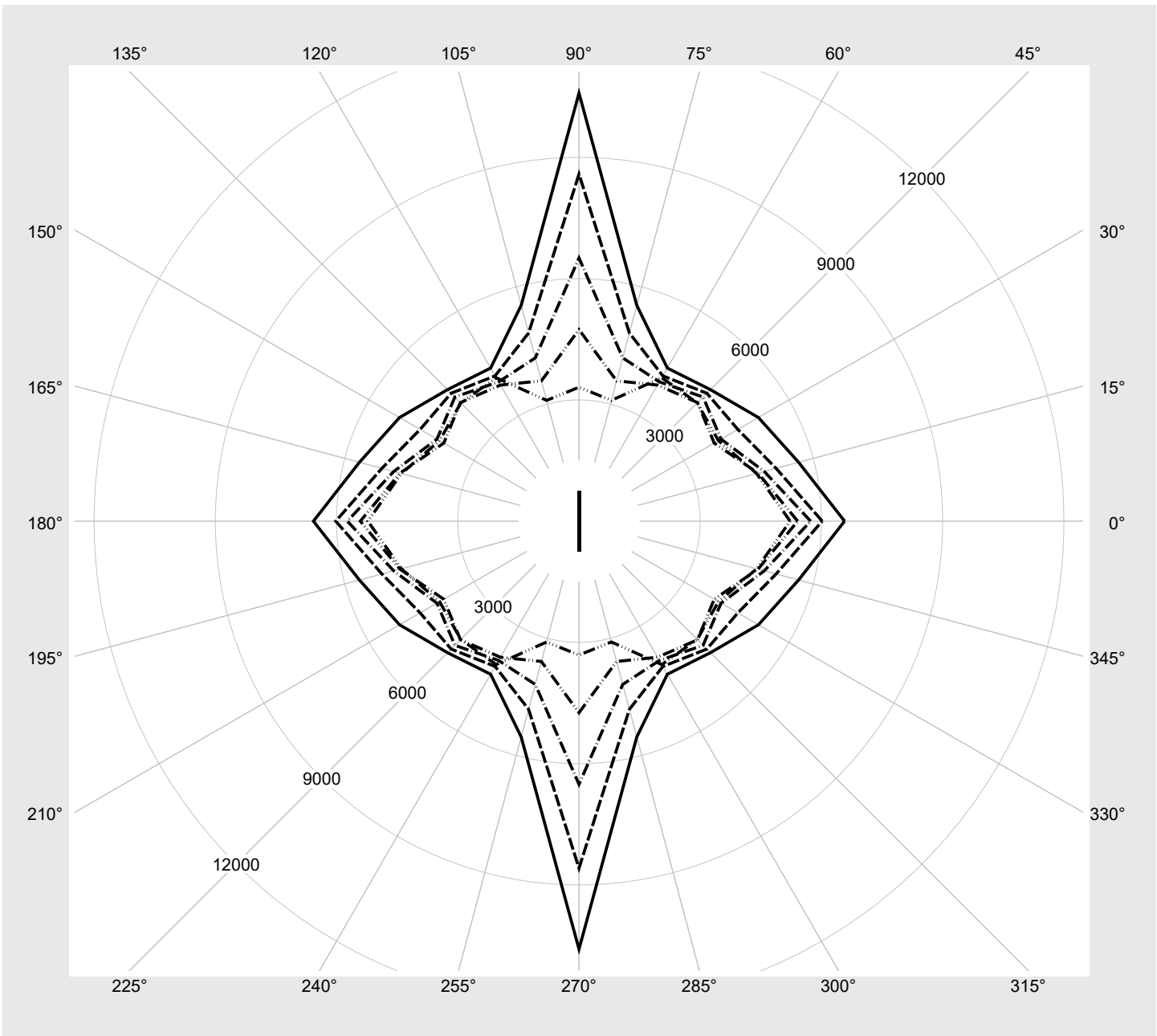
**Photometric test report**

**Family**  
**Licross® 11 Protected**

**Order number: 51TD13CN4E5S**  
**EAN: 4058352928769**

**LP number**  
**58527\_95**

**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



## Photometric test report

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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	14500	77.6	87.4	82.5
2	A	C	F	13233	70.1	79.0	74.6
3	A	D	E	12254	64.3	74.9	69.6
4	A	D	F	11178	58.3	65.2	61.8
5	B	C	E	10167	52.6	58.7	55.6
6	B	C	F	9156	47.0	52.2	49.6
7	B	D	E	8134	41.5	46.2	43.8
8	B	D	F	7090	36.0	39.9	38.0