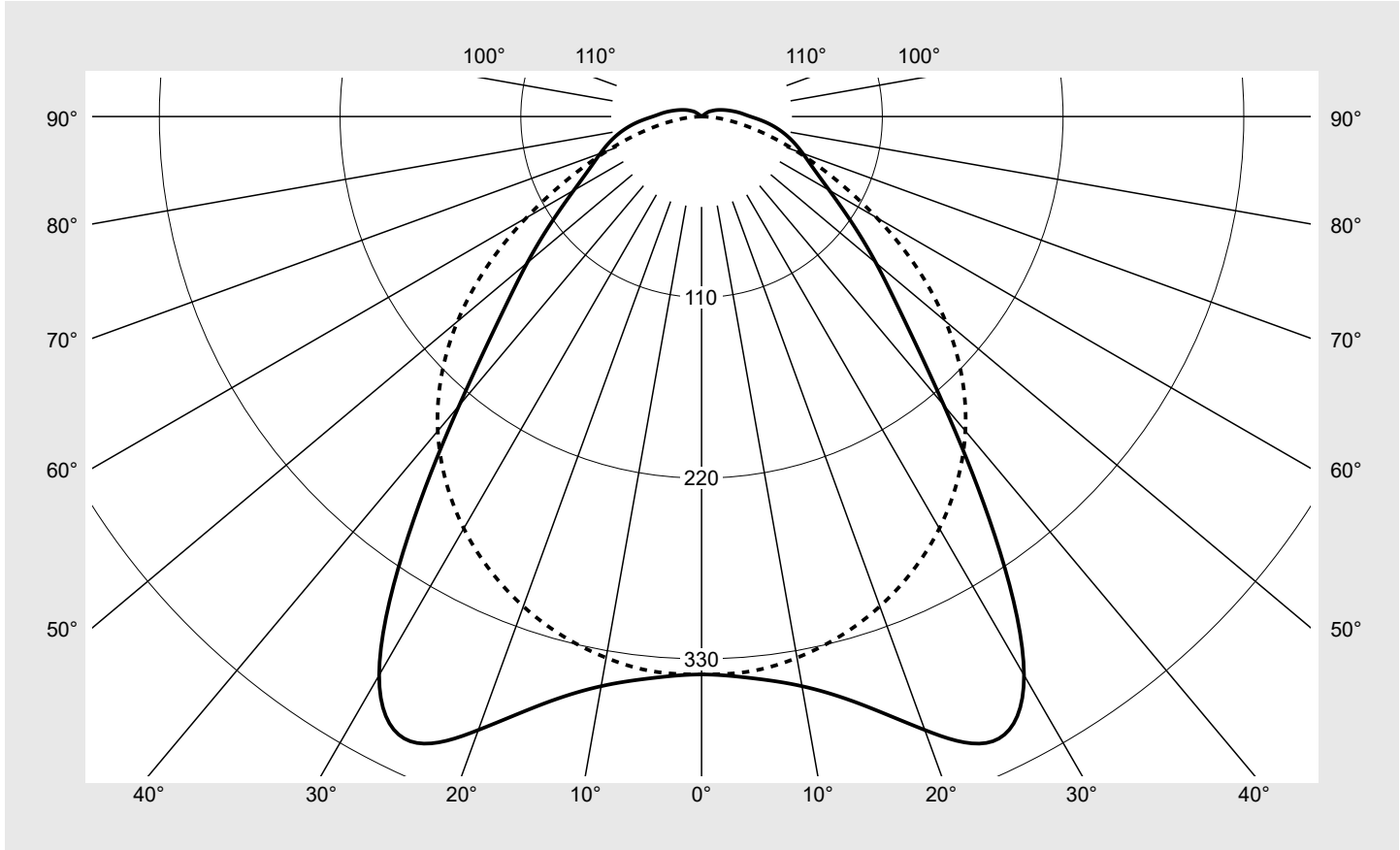


# Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TD1BCN4D5M</b> <b>EAN: 4058352918319</b>	<b>LP number</b> 58521_175
<b>Version</b>	prismatic cover, frosted, wide 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 = 13520 lm Power consumption = 77.6 W Luminous efficacy = 174.2 lm/W	



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 419 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	96.8%
$\phi_o$	3.2%

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 $\gamma$	0°	15°	30°	45°	60°	75°	90°	Phi-zone	Total Phi-zone
	180°	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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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

Family <b>Licross® 11 Protected</b>	Order number: <b>51TD1BCN4D5M</b> EAN: <b>4058352918319</b>	LP number <b>58521_175</b>
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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	22.2	23.8	22.6	24.2	24.5	24.1	25.7	24.4	26.0	26.3
	3H	23.4	24.9	23.8	25.2	25.6	25.1	26.5	25.5	26.9	27.2
	4H	24.1	25.5	24.5	25.8	26.2	25.4	26.8	25.8	27.2	27.5
	6H	24.9	26.1	25.3	26.5	26.9	25.7	27.0	26.1	27.3	27.7
	8H	25.3	26.5	25.7	26.9	27.3	25.8	27.0	26.2	27.4	27.8
	12H	25.7	26.8	26.1	27.2	27.6	25.8	27.0	26.3	27.4	27.8
4H	2H	23.0	24.4	23.4	24.8	25.1	24.5	25.9	24.9	26.2	26.6
	3H	24.4	25.6	24.8	26.0	26.4	25.8	27.0	26.2	27.3	27.7
	4H	25.2	26.3	25.7	26.7	27.1	26.3	27.3	26.7	27.7	28.2
	6H	26.2	27.1	26.6	27.5	28.0	26.6	27.6	27.1	28.0	28.5
	8H	26.6	27.5	27.1	27.9	28.4	26.8	27.6	27.2	28.1	28.5
	12H	27.1	27.9	27.6	28.3	28.8	26.9	27.6	27.4	28.1	28.6
8H	4H	25.7	26.5	26.1	27.0	27.4	26.6	27.4	27.0	27.9	28.3
	6H	26.7	27.5	27.2	27.9	28.4	27.1	27.8	27.6	28.3	28.8
	8H	27.3	28.0	27.8	28.5	29.0	27.3	27.9	27.8	28.4	28.9
	12H	28.0	28.5	28.5	29.0	29.5	27.5	28.0	28.0	28.5	29.0
12H	4H	25.7	26.5	26.2	26.9	27.4	26.6	27.4	27.1	27.8	28.3
	6H	26.9	27.5	27.4	28.0	28.5	27.2	27.8	27.7	28.3	28.8
	8H	27.5	28.1	28.0	28.6	29.1	27.5	28.0	28.0	28.5	29.0

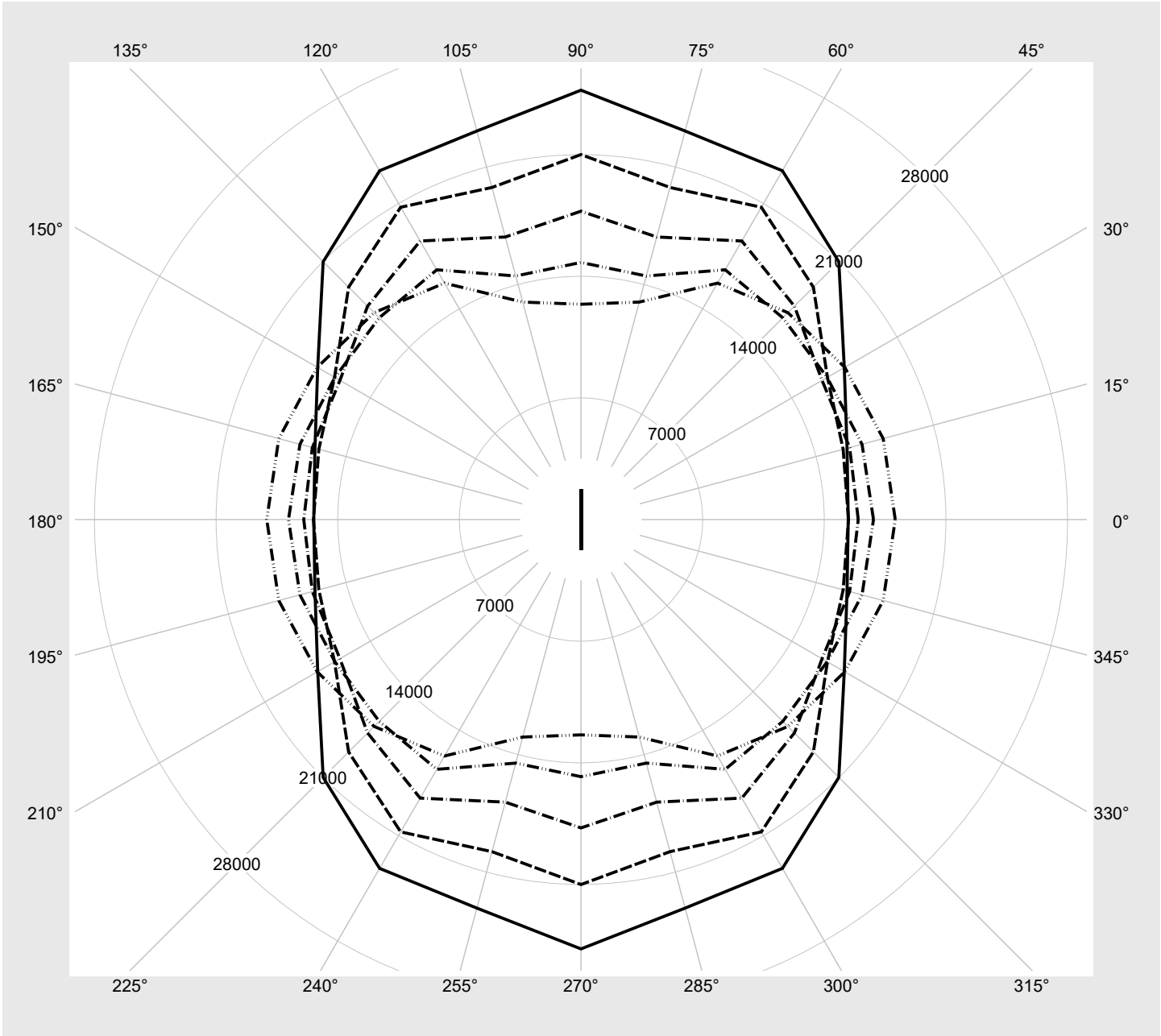
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

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°		24701.6	25958.3	29604.5	35175.9	39188.9	38088.2	37112.4	
50°		21059.6	22077.8	25065.7	29884.2	34310.7	35319.4	35328.8	
55°		18284.6	19189.6	21992.7	26124.7	29811.0	31337.3	32580.4	
60°		16316.7	17014.6	19397.6	23375.1	26100.2	27057.2	28826.0	
65°		15380.0	15852.5	17497.1	20985.7	23182.7	23152.9	24712.1	
70°		15396.3	15620.1	16378.1	18914.3	20757.6	19788.9	21006.9	
75°		15956.2	16007.4	16021.0	17370.1	18513.7	16837.2	17748.2	
80°		16834.4	16745.2	16360.0	16423.8	16599.2	14512.7	14798.8	
85°		18086.5	18005.9	17528.7	16839.4	15714.3	12959.3	12392.2	

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**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	13520	77.6	87.4	82.5
2	A	C	F	12338	70.1	79.0	74.6
3	A	D	E	11423	64.3	74.9	69.6
4	A	D	F	10422	58.3	65.2	61.8
5	B	C	E	9485	52.6	58.7	55.6
6	B	C	F	8538	47.0	52.2	49.6
7	B	D	E	7580	41.5	46.2	43.8
8	B	D	F	6611	36.0	39.9	38.0