

## Photometric test report

**Family**  
**Licross® Spot 31**

**Order number: 51SL327A43B**  
**EAN: 4058352864838**

**LP number**  
**59381\_10**



**Version** reflector, cover, polycarbonate, narrow distribution, luminaire housing, aluminium, black

**Lamps** LED 4000 K | CRI ≥ 90

**Controlgear** ECG Multilumen

**Setting** factory setting: DIP-Step=7

**Rated values** Net luminous flux = 3650 lm  
Power consumption = 28.0 W  
Luminous efficacy = 130.4 lm/W

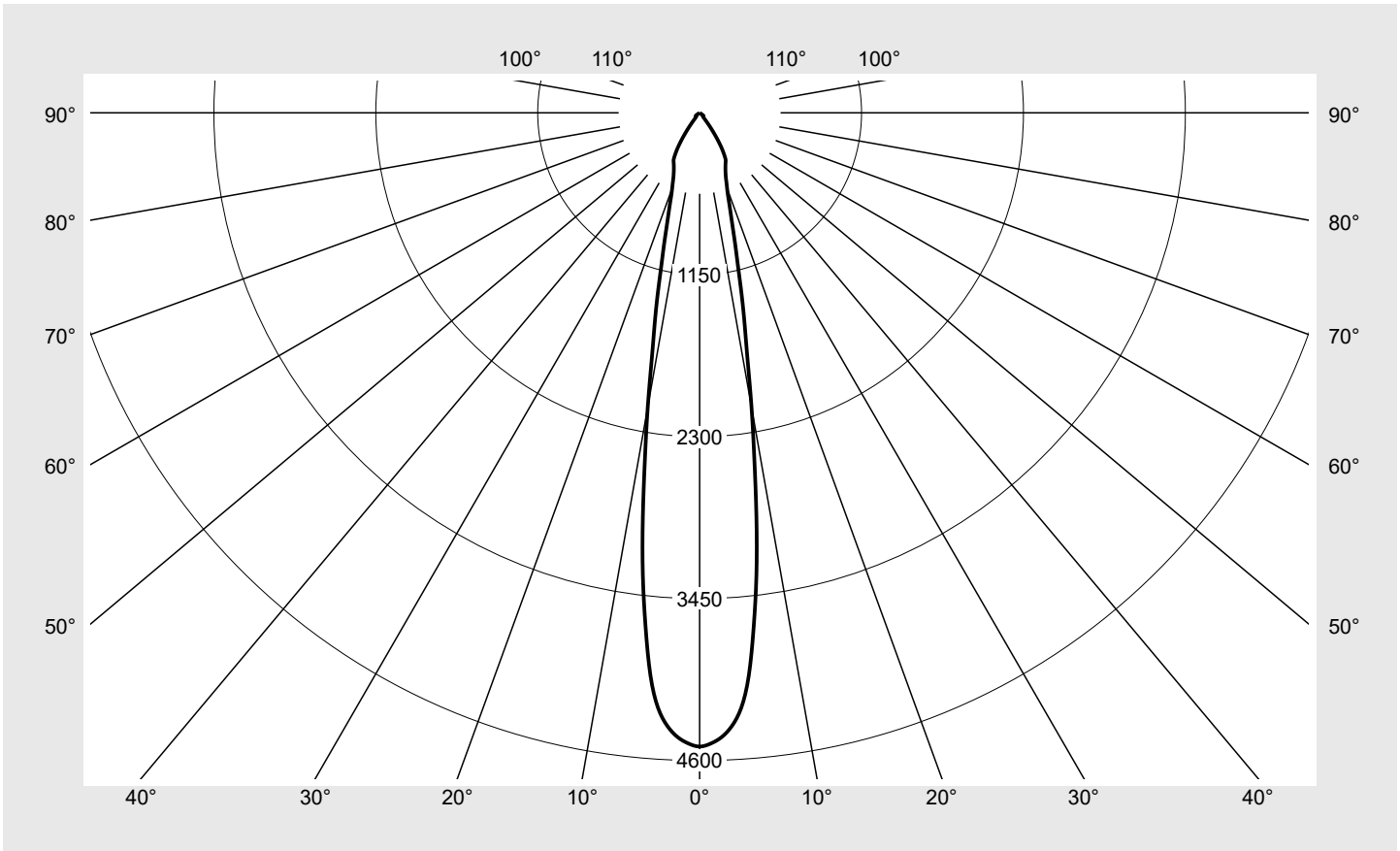
**serial**  
**documentation**  
**12.07.2023**

**sitEco**

**Luminous intensity in cd/klm**

**C180-0**

**Imax: 4501 cd/klm**



### Classifications

DIN 5040 A 7 0  
CIE N1=93 N2=97 N3=99  
N4=100 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Licross® Spot 31</b>	Order number: <b>51SL327A43B</b> EAN: <b>4058352864838</b>	LP number <b>59381_10</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	0°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	4500.5	1.1	1.1
1°	4480.3	8.6	9.7
2°	4437.5	17.0	26.6
3°	4362.0	25.0	51.7
4°	4236.1	32.4	84.1
5°	4010.1	38.3	122.4
6°	3672.5	42.1	164.5
7°	3309.8	44.2	208.7
8°	2898.6	44.2	253.0
9°	2482.5	42.6	295.6
10°	2122.6	40.4	336.0
11°	1782.7	37.3	373.3
12°	1538.7	35.1	408.4
13°	1327.4	32.7	441.1
14°	1130.4	30.0	471.1
15°	985.0	28.0	499.1
16°	859.9	26.0	525.0
17°	761.9	24.4	549.5
18°	683.9	23.2	572.6
19°	616.9	22.0	594.7
20°	570.3	21.4	616.1
21°	532.3	20.9	637.0
22°	498.2	20.5	657.4
23°	472.4	20.2	677.7
24°	451.2	20.1	697.8
25°	433.6	20.1	717.9
26°	418.4	20.1	738.0
27°	405.2	20.2	758.2
28°	393.9	20.3	778.5
29°	380.9	20.3	798.7
30°	356.4	19.5	818.3
31°	326.4	18.4	836.7
32°	294.9	17.1	853.8
33°	256.7	15.3	869.2
34°	220.2	13.5	882.7
35°	180.4	11.3	894.0
36°	146.1	9.4	903.4
37°	111.1	7.3	910.8
38°	79.1	5.3	916.1
39°	56.1	3.9	920.0
40°	40.9	2.9	922.8
41°	37.1	2.7	925.5
42°	35.5	2.6	928.1
43°	33.6	2.5	930.6
44°	33.1	2.5	933.2
45°	33.1	2.6	935.7
46°	32.9	2.6	938.3

C-planes $\gamma$	0°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm	Luminous flux in lm/klm	
47°	33.1	2.7	941.0
48°	33.6	2.7	943.7
49°	34.5	2.9	946.6
50°	35.6	3.0	949.6
51°	36.2	3.1	952.6
52°	35.7	3.1	955.7
53°	33.7	2.9	958.7
54°	30.9	2.7	961.4
55°	27.6	2.5	963.9
56°	23.6	2.1	966.1
57°	21.0	1.9	968.0
58°	19.1	1.8	969.8
59°	17.3	1.6	971.4
60°	16.3	1.5	972.9
61°	15.8	1.5	974.5
62°	15.5	1.5	976.0
63°	15.1	1.5	977.4
64°	14.4	1.4	978.9
65°	14.1	1.4	980.3
66°	13.7	1.4	981.6
67°	13.0	1.3	982.9
68°	12.9	1.3	984.3
69°	12.5	1.3	985.5
70°	12.0	1.2	986.8
71°	11.4	1.2	988.0
72°	11.1	1.2	989.1
73°	10.6	1.1	990.2
74°	10.1	1.1	991.3
75°	9.5	1.0	992.3
76°	8.7	0.9	993.2
77°	7.7	0.8	994.0
78°	6.8	0.7	994.8
79°	6.5	0.7	995.5
80°	6.1	0.7	996.1
81°	5.4	0.6	996.7
82°	5.2	0.6	997.3
83°	4.8	0.5	997.8
84°	4.1	0.5	998.2
85°	3.8	0.4	998.7
86°	3.1	0.3	999.0
87°	3.1	0.3	999.3
88°	2.5	0.3	999.6
89°	2.2	0.2	999.9
90°	2.5	0.3	1000.1

## Photometric test report

Family <b>Licross® Spot 31</b>	Order number: <b>51SL327A43B</b> EAN: <b>4058352864838</b>	LP number <b>59381_10</b>
-----------------------------------	---	------------------------------

<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	21.0	22.0	21.4	22.4	22.7	21.0	22.0	21.4	22.4	22.7
	3H	21.5	22.5	21.9	22.8	23.2	21.5	22.5	21.9	22.8	23.2
	4H	21.9	22.8	22.3	23.1	23.5	21.9	22.8	22.3	23.1	23.5
	6H	22.2	23.0	22.6	23.4	23.7	22.2	23.0	22.6	23.4	23.7
	8H	22.5	23.1	22.9	23.5	23.9	22.5	23.1	22.9	23.5	23.9
	12H	22.6	23.2	23.0	23.6	24.0	22.6	23.2	23.0	23.6	24.0
4H	2H	21.1	21.9	21.5	22.3	22.7	21.1	21.9	21.5	22.3	22.7
	3H	21.9	22.6	22.3	22.9	23.4	21.9	22.6	22.3	22.9	23.4
	4H	22.4	23.0	22.8	23.4	23.9	22.4	23.0	22.8	23.4	23.9
	6H	22.8	23.3	23.2	23.8	24.2	22.8	23.3	23.2	23.8	24.2
	8H	23.0	23.5	23.5	24.0	24.4	23.0	23.5	23.5	24.0	24.4
	12H	23.2	23.7	23.7	24.1	24.6	23.2	23.7	23.7	24.1	24.6
8H	4H	22.5	23.0	23.0	23.5	23.9	22.5	23.0	23.0	23.5	23.9
	6H	23.1	23.5	23.6	24.0	24.5	23.1	23.5	23.6	24.0	24.5
	8H	23.4	23.8	23.9	24.2	24.8	23.4	23.8	23.9	24.2	24.8
	12H	23.7	24.0	24.2	24.5	25.1	23.7	24.0	24.2	24.5	25.1
12H	4H	22.5	22.9	23.0	23.4	23.9	22.5	22.9	23.0	23.4	23.9
	6H	23.1	23.5	23.6	24.0	24.5	23.1	23.5	23.6	24.0	24.5
	8H	23.5	23.8	24.0	24.3	24.8	23.5	23.8	24.0	24.3	24.8

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 79</b>
------------------------	---	---

<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m²</b>
45°	34836.1
50°	41285.2
55°	35887.5
60°	24300.7
65°	24845.7
70°	26074.1
75°	27292.0
80°	25965.3
85°	32816.9

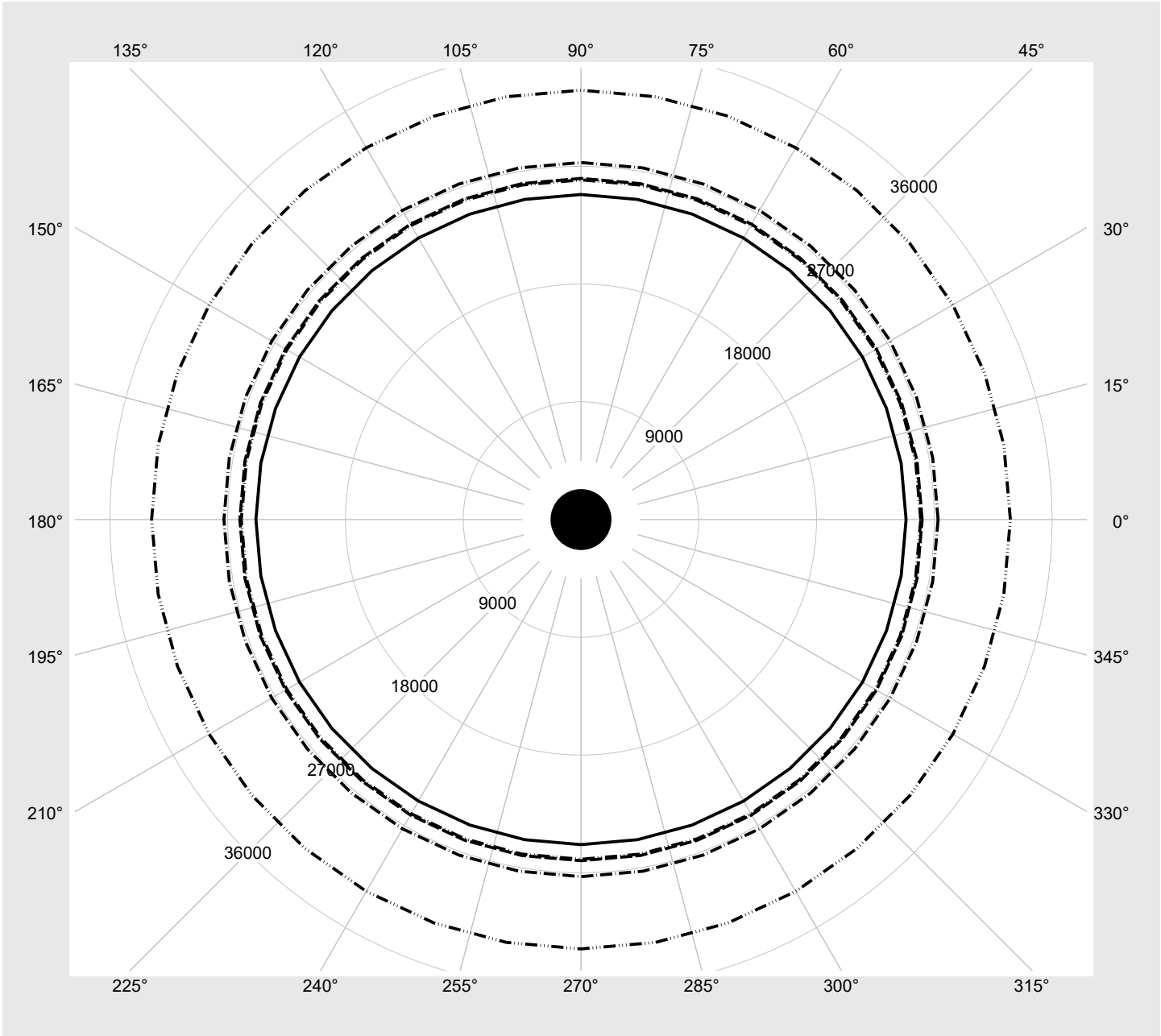
**Photometric test report**

<b>Family</b> <b>Licross® Spot 31</b>	<b>Order number: 51SL327A43B</b> <b>EAN: 4058352864838</b>	<b>LP number</b> <b>59381_10</b>
--	---	-------------------------------------



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

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



### Photometric test report

Family <b>Licross® Spot 31</b>	Order number: <b>51SL327A43B</b> EAN: <b>4058352864838</b>	LP number <b>59381_10</b>
-----------------------------------	---	------------------------------

<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	3650	28.0
6	OFF	ON	ON	3430	25.9
5	ON	OFF	ON	3190	23.8
4	OFF	OFF	ON	2960	21.8
3	ON	ON	OFF	2710	20.0
2	OFF	ON	OFF	2440	18.4
1	ON	OFF	OFF	2190	17.0
0	OFF	OFF	OFF	1840	15.8