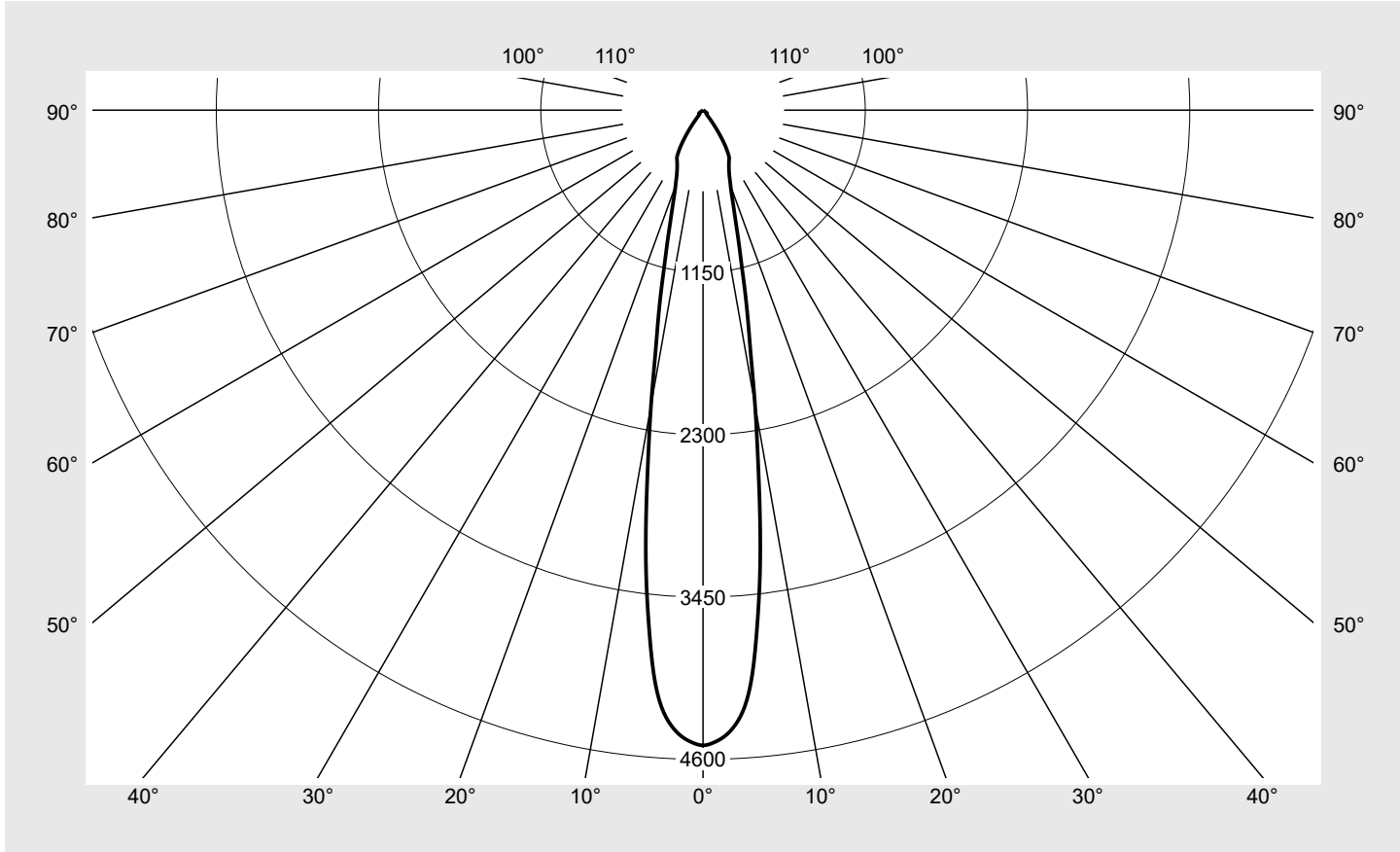


# Photometric test report

<b>Family</b> <b>Licross® Spot 31</b>	<b>Order number: 51SL12DA45B</b> <b>EAN: 4058352863527</b>	<b>LP number</b> <b>59381_26</b>
	<b>Version</b> reflector, cover, polycarbonate, narrow distribution, luminaire housing, aluminium, white	<b>serial documentation</b> <b>12.07.2023</b>
	<b>Lamps</b> LED 4000 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI <b>Setting</b> factory setting: DIP-Step=7 <b>Rated values</b> Net luminous flux = 5140 lm Power consumption = 43.9 W Luminous efficacy = 117.1 lm/W	



**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

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

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	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	0°	Phi-zone	Total Phi-zone
$\gamma$	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>51SL12DA45B</b> EAN: <b>4058352863527</b>	LP number <b>59381_26</b>
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UGR-Table		Standard room									
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	23.2	22.5	23.5	23.9	22.2	23.2	22.5	23.5	23.9
	3H	22.7	23.7	23.1	24.0	24.3	22.7	23.7	23.1	24.0	24.3
	4H	23.1	24.0	23.5	24.3	24.7	23.1	24.0	23.5	24.3	24.7
	6H	23.4	24.2	23.8	24.5	24.9	23.4	24.2	23.8	24.5	24.9
	8H	23.7	24.3	24.1	24.7	25.1	23.7	24.3	24.1	24.7	25.1
	12H	23.7	24.4	24.2	24.8	25.2	23.7	24.4	24.2	24.8	25.2
4H	2H	22.3	23.1	22.7	23.5	23.8	22.3	23.1	22.7	23.5	23.8
	3H	23.1	23.7	23.5	24.1	24.6	23.1	23.7	23.5	24.1	24.6
	4H	23.6	24.2	24.0	24.6	25.0	23.6	24.2	24.0	24.6	25.0
	6H	24.0	24.5	24.4	25.0	25.4	24.0	24.5	24.4	25.0	25.4
	8H	24.2	24.7	24.7	25.1	25.6	24.2	24.7	24.7	25.1	25.6
	12H	24.4	24.8	24.9	25.3	25.8	24.4	24.8	24.9	25.3	25.8
8H	4H	23.7	24.2	24.2	24.6	25.1	23.7	24.2	24.2	24.6	25.1
	6H	24.3	24.7	24.8	25.2	25.7	24.3	24.7	24.8	25.2	25.7
	8H	24.6	24.9	25.1	25.4	26.0	24.6	24.9	25.1	25.4	26.0
	12H	24.9	25.2	25.4	25.7	26.3	24.9	25.2	25.4	25.7	26.3
12H	4H	23.7	24.1	24.2	24.6	25.1	23.7	24.1	24.2	24.6	25.1
	6H	24.3	24.7	24.8	25.1	25.7	24.3	24.7	24.8	25.1	25.7
	8H	24.7	25.0	25.2	25.5	26.0	24.7	25.0	25.2	25.5	26.0

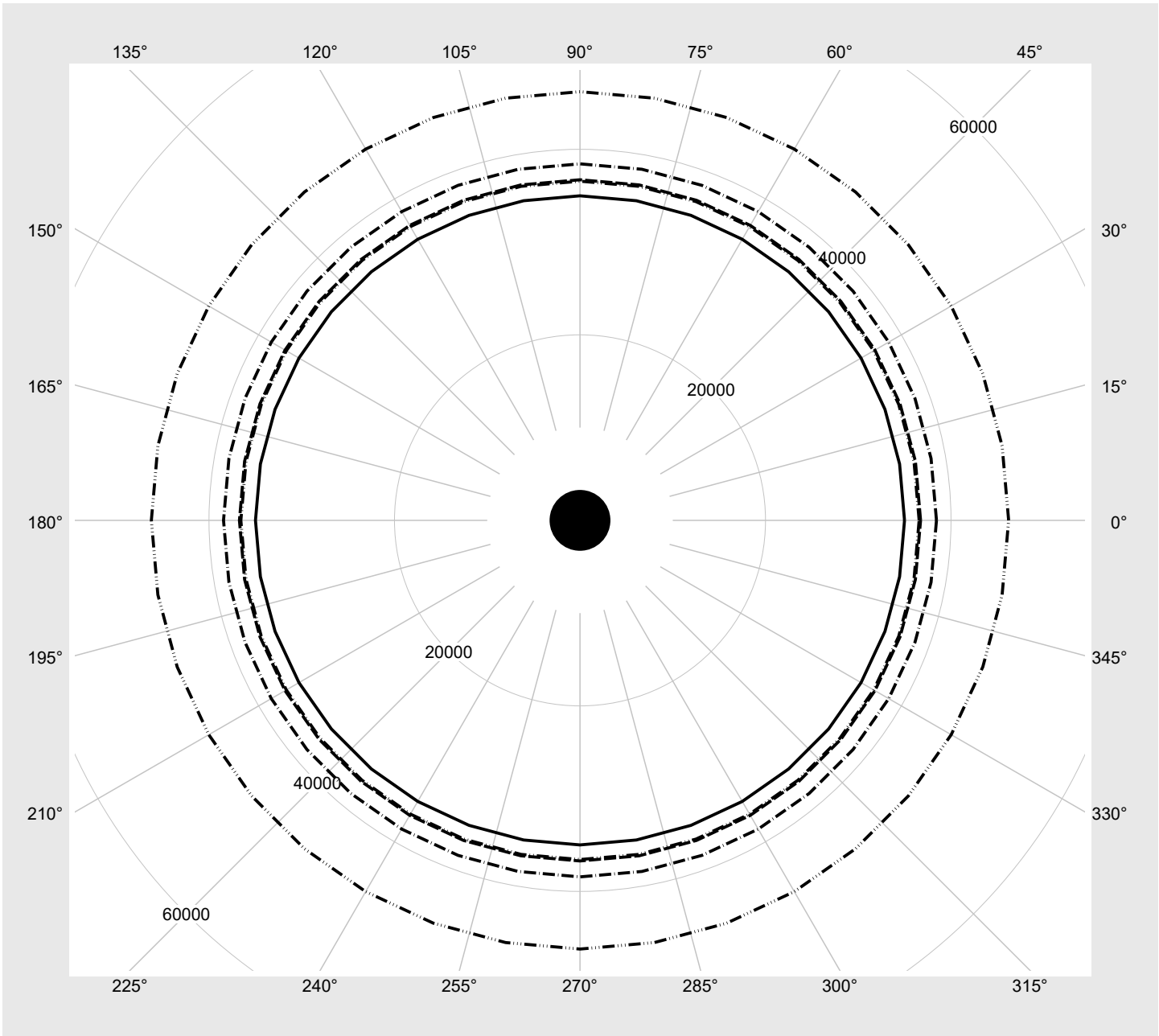
<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	49056.8
50°	58138.6
55°	50537.4
60°	34220.7
65°	34988.1
70°	36718.0
75°	38433.1
80°	36564.8
85°	46213.3

**Photometric test report**

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



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<b>Multilumen Table</b>	environmental temperature: 25°C	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	5140	43.9
6	OFF	ON	ON	4930	41.7
5	ON	OFF	ON	4730	39.5
4	OFF	OFF	ON	4500	37.3
3	ON	ON	OFF	4310	35.1
2	OFF	ON	OFF	4090	33.0
1	ON	OFF	OFF	3850	30.8
0	OFF	OFF	OFF	3650	28.6