

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL1DCN485G
EAN: 4058352056639

LP number
59520_282



Version cover, opal, direct-/ indirect distribution, diffuse
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 8820 lm
 Power consumption = 49.3 W
 Luminous efficacy = 178.9 lm/W

serial
documentation
14.11.2025

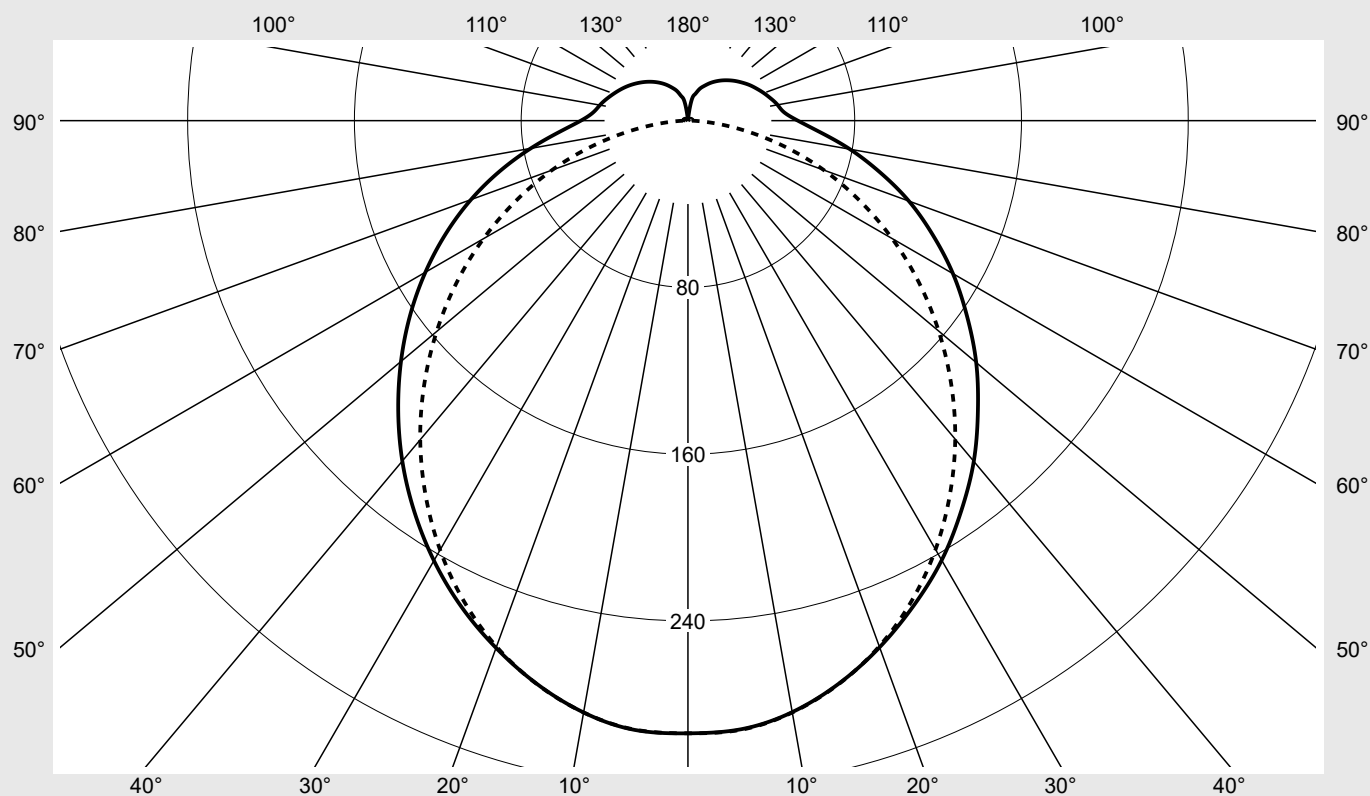
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 294 cd/klm



Classifications

DIN 5040 B 3 1
 CIE N1=44 N2=73 N3=91
 N4=87 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 87.4%
 ϕ_o 12.6%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1DCN485G EAN: 4058352056639	LP number 59520_282
Table of values for luminous intensities		Maximum luminous intensity

sITeco

C- planes	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Luminous intensity in cd/klm												
0°	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9
5°	293.1	292.7	289.9	291.0	293.1	293.0	293.3	293.1	293.1	292.5	291.2	291.6	293.4
10°	288.1	287.8	285.0	286.0	288.1	287.9	288.3	288.0	288.0	287.5	286.2	286.7	288.3
15°	279.6	279.4	276.6	277.6	279.6	279.4	279.8	279.5	279.5	279.0	277.7	278.4	279.8
20°	268.8	268.4	265.5	266.2	268.1	267.8	268.3	268.1	268.0	267.5	266.6	267.8	269.2
25°	256.5	256.4	252.9	252.4	253.9	253.4	254.1	253.8	253.8	253.6	254.0	255.9	257.2
30°	243.5	242.9	239.1	237.4	237.4	236.9	237.6	237.4	237.5	238.5	240.0	242.5	243.7
35°	228.6	228.2	223.9	221.1	219.2	218.5	219.1	218.9	219.7	221.9	224.6	227.5	228.9
40°	213.3	212.5	208.1	204.0	200.4	198.8	199.5	199.5	201.1	204.3	208.6	211.7	213.2
45°	196.7	195.9	191.2	185.9	180.8	177.8	178.6	178.3	181.6	186.0	191.4	194.8	196.6
50°	180.5	179.0	174.4	167.8	161.5	156.5	157.0	156.9	161.7	167.6	173.9	177.7	179.7
55°	163.4	162.0	157.2	149.2	141.7	135.1	135.2	135.5	141.8	149.1	156.1	160.5	162.7
60°	146.8	144.8	139.8	131.0	122.1	114.1	113.1	114.2	121.9	130.6	138.3	143.3	145.4
65°	129.6	127.7	122.3	112.9	103.0	93.4	91.0	93.7	102.6	112.1	120.5	126.2	128.1
70°	112.8	110.6	104.4	95.0	83.9	73.2	69.4	73.2	83.4	93.6	102.3	109.1	110.8
75°	95.2	93.5	86.3	76.8	64.8	53.0	48.0	53.1	64.1	74.9	84.3	91.4	93.3
80°	78.9	76.8	69.4	59.0	47.0	34.5	28.0	34.2	45.8	57.3	67.7	74.1	76.6
85°	63.7	61.7	54.7	44.0	31.4	18.8	11.3	18.6	30.6	42.7	52.6	59.2	61.9
90°	52.7	50.3	47.2	33.6	21.8	9.7	1.7	9.7	21.3	32.8	42.6	49.1	51.4
95°	46.3	44.0	38.4	29.9	19.4	8.9	1.8	8.9	19.3	29.6	38.3	43.8	45.6
100°	43.6	41.6	36.5	28.4	19.0	9.0	2.1	8.7	18.6	27.9	35.8	41.3	42.9
105°	41.1	39.4	34.3	27.0	18.2	9.1	2.1	8.8	17.9	26.7	33.7	38.6	40.4
110°	38.7	36.7	32.3	25.7	17.6	9.2	2.0	8.7	17.0	25.1	31.7	36.0	37.9
115°	36.4	34.4	30.4	24.3	17.0	9.3	1.9	8.8	16.4	23.6	29.8	33.7	35.5
120°	34.1	32.2	28.7	23.1	16.5	9.4	1.8	8.8	15.7	22.3	27.9	31.4	33.2
125°	31.8	30.1	26.8	21.8	15.8	9.4	1.6	8.8	15.0	21.0	26.0	29.2	30.9
130°	29.6	27.9	25.1	20.7	15.3	9.5	1.4	8.7	14.3	19.7	24.1	27.1	28.6
135°	27.4	25.8	23.3	19.5	14.6	8.1	1.3	7.6	13.7	18.5	22.3	24.9	26.4
140°	25.2	23.7	21.6	18.3	13.6	7.0	1.3	6.4	12.7	17.1	20.5	22.8	24.2
145°	23.0	21.6	19.8	16.6	12.1	6.4	1.2	5.9	11.1	15.6	18.8	20.7	21.9
150°	20.7	19.6	18.1	14.3	11.0	6.2	1.3	6.0	9.5	13.3	16.9	18.6	19.6
155°	18.4	17.4	15.6	12.5	8.2	5.5	1.3	5.2	7.5	11.1	14.5	16.4	17.3
160°	16.1	15.3	12.6	10.0	7.9	5.1	1.4	4.6	6.8	7.9	11.7	14.3	14.9
165°	13.1	12.1	8.6	7.8	8.1	5.4	1.4	4.8	6.9	7.0	6.9	11.2	12.1
170°	9.8	7.7	7.3	8.0	6.5	2.9	1.4	2.2	5.4	6.7	6.3	6.6	8.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Family Licross® 11 Recessed		Order number: 51TL1DCN485G EAN: 4058352056639										LP number 59520_282	
Table of values for luminous intensities										Maximum luminous intensity		sīTeco	
C- planes	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm										Luminous flux in lm/klm		
0°	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	293.9	1.8	1.8
5°	292.9	289.8	290.9	292.8	292.8	293.2	292.8	292.9	292.3	291.2	292.0	14.0	15.7
10°	288.0	285.0	285.8	287.9	287.8	288.3	287.9	288.0	287.3	286.3	287.0	27.3	43.1
15°	279.5	276.7	277.5	279.4	279.4	279.9	279.5	279.5	278.9	277.9	279.0	39.6	82.6
20°	268.9	265.7	266.2	268.0	267.9	268.5	268.2	268.1	267.5	266.6	267.7	50.2	132.8
25°	256.9	253.4	252.5	253.8	253.6	254.3	254.0	254.0	253.5	253.8	256.1	58.9	191.7
30°	243.4	239.6	237.7	237.4	237.1	237.8	237.6	237.8	238.3	239.7	242.3	65.6	257.3
35°	228.5	224.4	221.4	219.4	218.7	219.4	219.3	219.8	221.8	224.6	228.0	70.0	327.3
40°	212.7	208.2	204.2	200.7	198.9	199.8	199.8	201.1	204.3	208.6	211.9	72.3	399.6
45°	195.8	191.1	185.9	181.0	177.8	178.9	178.7	181.7	186.2	191.6	195.6	72.3	472.0
50°	178.6	174.0	167.6	161.4	156.5	157.3	157.3	162.0	168.0	174.3	178.3	70.5	542.5
55°	161.2	156.5	148.8	141.5	135.3	135.5	135.8	142.2	149.7	156.9	161.8	66.9	609.4
60°	143.7	138.7	130.1	121.6	114.2	113.3	114.6	122.5	131.3	139.3	144.4	61.7	671.1
65°	126.5	121.0	111.8	102.3	93.3	91.1	94.0	103.2	113.1	121.8	128.0	55.2	726.3
70°	109.1	102.8	93.5	83.0	72.9	69.4	73.6	84.1	94.6	103.5	110.4	47.6	773.9
75°	91.6	84.7	75.4	63.7	52.5	47.9	53.5	65.0	76.2	85.9	93.4	39.0	812.9
80°	74.9	67.7	57.5	45.8	33.9	27.9	34.5	46.6	58.5	69.1	75.6	30.2	843.1
85°	59.9	53.1	42.6	30.4	18.3	11.1	18.9	31.3	43.7	53.8	61.1	22.2	865.3
90°	49.1	42.6	32.8	21.3	9.6	1.7	9.7	21.6	33.2	43.3	50.0	16.9	882.1
95°	43.4	38.0	29.6	19.2	8.8	1.8	8.9	19.4	29.7	38.6	44.5	14.9	897.1
100°	41.0	35.9	27.9	18.7	8.8	2.1	8.9	18.7	28.1	36.1	41.8	14.0	911.1
105°	38.7	33.7	26.5	17.8	8.7	2.1	9.0	18.1	27.0	34.2	39.3	13.1	924.2
110°	35.9	31.6	25.0	17.1	8.8	2.0	9.1	17.4	25.5	32.1	36.6	12.0	936.2
115°	33.6	29.7	23.6	16.4	8.7	1.9	9.3	16.9	24.2	30.4	34.4	11.0	947.2
120°	31.4	27.9	22.4	15.7	8.8	1.8	9.3	16.2	22.9	28.6	32.2	9.9	957.1
125°	29.2	26.0	21.1	15.0	8.7	1.6	9.4	15.7	21.7	26.8	30.1	8.9	966.0
130°	27.0	24.2	19.8	14.4	8.7	1.4	9.4	15.1	20.5	24.9	27.8	7.8	973.7
135°	24.9	22.4	18.6	13.7	7.3	1.3	8.2	14.6	19.3	23.2	25.8	6.7	980.4
140°	22.7	20.6	17.3	12.7	6.4	1.3	7.0	13.5	18.0	21.5	23.6	5.6	986.0
145°	20.6	18.9	15.7	11.3	5.8	1.2	6.5	12.0	15.8	19.8	21.6	4.5	990.5
150°	18.5	17.0	13.4	10.2	6.1	1.3	6.3	10.3	14.2	17.9	19.5	3.5	994.0
155°	16.4	14.6	11.8	7.5	4.9	1.3	5.8	8.1	12.0	15.5	17.4	2.6	996.6
160°	14.2	11.8	9.1	7.1	4.6	1.4	5.2	7.3	8.7	12.7	15.3	1.8	998.3
165°	11.1	8.0	7.1	7.6	4.8	1.4	5.5	7.3	7.6	7.6	12.0	1.1	999.4
170°	6.9	7.3	7.0	5.8	2.1	1.4	3.1	6.1	7.5	6.2	7.2	0.6	1000.0
175°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	1000.0

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Family Licross® 11 Recessed	Order number: 51TL1DCN485G EAN: 4058352056639	LP number 59520_282
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UGR-Table		Standard room							siteco		
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	21.3	22.9	21.8	23.3	23.8	21.0	22.5	21.4	23.0	23.5
	3H	23.3	24.7	23.8	25.2	25.7	22.6	24.0	23.0	24.5	25.0
	4H	24.1	25.4	24.6	25.9	26.5	23.1	24.4	23.6	24.9	25.4
	6H	24.8	26.0	25.4	26.6	27.2	23.4	24.6	24.0	25.2	25.8
	8H	25.2	26.4	25.8	26.9	27.5	23.6	24.7	24.1	25.3	25.9
	12H	25.5	26.6	26.1	27.2	27.8	23.6	24.7	24.2	25.2	25.9
4H	2H	22.0	23.3	22.5	23.8	24.4	21.7	23.0	22.2	23.5	24.1
	3H	24.1	25.2	24.6	25.7	26.3	23.4	24.5	23.9	25.0	25.7
	4H	25.1	26.1	25.6	26.7	27.3	24.1	25.1	24.6	25.7	26.3
	6H	26.0	26.9	26.6	27.5	28.2	24.5	25.4	25.1	26.0	26.7
	8H	26.5	27.3	27.1	27.9	28.6	24.7	25.6	25.3	26.2	26.9
	12H	26.9	27.6	27.5	28.2	29.0	24.8	25.5	25.4	26.2	26.9
8H	4H	25.4	26.2	26.0	26.8	27.5	24.5	25.3	25.1	25.9	26.6
	6H	26.5	27.2	27.2	27.8	28.6	25.2	25.8	25.8	26.5	27.2
	8H	27.1	27.7	27.7	28.4	29.1	25.4	26.0	26.1	26.7	27.4
	12H	27.7	28.2	28.3	28.8	29.6	25.5	26.1	26.2	26.7	27.5
12H	4H	25.4	26.1	26.0	26.7	27.4	24.5	25.2	25.2	25.9	26.6
	6H	26.6	27.2	27.2	27.8	28.6	25.3	25.9	25.9	26.5	27.3
	8H	27.2	27.7	27.9	28.4	29.2	25.6	26.1	26.3	26.8	27.6

Luminance table		Max. for $\gamma \geq 65^\circ$					Photometric dimensions in mm:		L = 1500 B = 76		H(C0) = 25 H(C90) = 25		H(C180) = 25 H(C270) = 25	
C-planes		0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°	
γ	Luminance in cd/m²													
45°	16196.6	16178.1	16784.1	19218.3	16851.8	16191.8	16183.3	16171.2	16799.1	19253.2	16859.3	16212.3		
50°	15608.8	15552.2	16020.3	18531.6	16044.5	15508.8	15538.8	15516.1	16012.2	18569.8	16068.6	15545.0		
55°	14997.8	14944.2	15224.7	17816.3	15233.4	14844.1	14930.9	14874.9	15207.3	17848.3	15276.9	14921.1		
60°	14471.8	14342.7	14423.9	17010.8	14404.8	14192.9	14336.1	14234.5	14366.5	17035.1	14471.7	14292.7		
65°	13907.1	13741.8	13624.9	16082.3	13571.3	13541.4	13750.5	13605.2	13528.4	16096.6	13657.0	13687.2		
70°	13401.1	13074.2	12730.3	15019.4	12644.3	12810.2	13160.5	12881.3	12582.9	15019.4	12754.9	12972.7		
75°	12775.0	12316.6	11622.7	13505.5	11487.8	12038.9	12525.0	12085.2	11423.8	13485.0	11647.5	12258.7		
80°	12270.2	11617.9	10394.5	11382.1	10138.2	11333.3	11904.8	11319.7	10127.6	11338.9	10312.0	11563.7		
85°	11872.2	11150.4	9148.4	8403.5	8921.6	10729.0	11538.4	10824.8	8848.4	8307.3	9124.8	10983.4		

Photometric test report

Family
Licross® 11 Recessed

Order number: **51TL1DCN485G**
EAN: **4058352056639**

LP number
59520_282

Luminance values in cd/m²

γ 65°

γ 70°

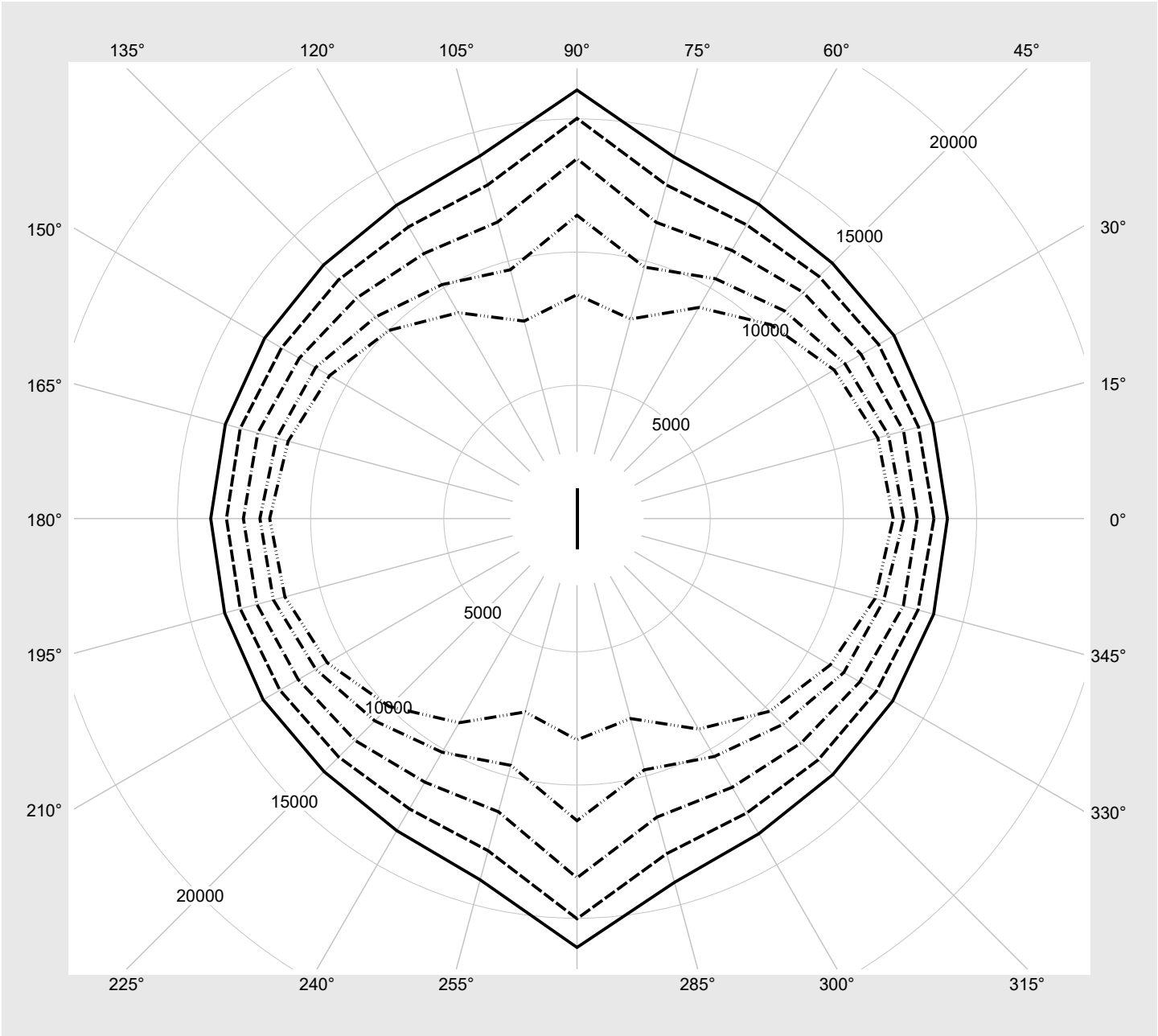
γ 75°

γ 80°

γ 85°

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Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1DCN485G EAN: 4058352056639	LP number 59520_282
Multilumen Table	environmental temperature: 25°C	sITeco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	8820	49.3	52.0	50.6
2	A	C	F	8310	46.2	48.4	47.3
3	A	D	E	7810	43.1	45.3	44.2
4	A	D	F	7290	40.0	42.2	41.1
5	B	C	E	6840	37.4	39.6	38.5
6	B	C	F	6320	34.3	36.5	35.4
7	B	D	E	5860	31.8	33.5	32.6
8	B	D	F	5400	29.2	30.9	30.0