

Photometric test report

Family
Licross® 11 Recessed



Order number: 51TE1DMN495G
EAN: 4058352056592

Version

Lamps

Controlgear

Rated values

cover, opal, direct-/ indirect distribution, diffuse

LED 4000 K | CRI ≥ 80

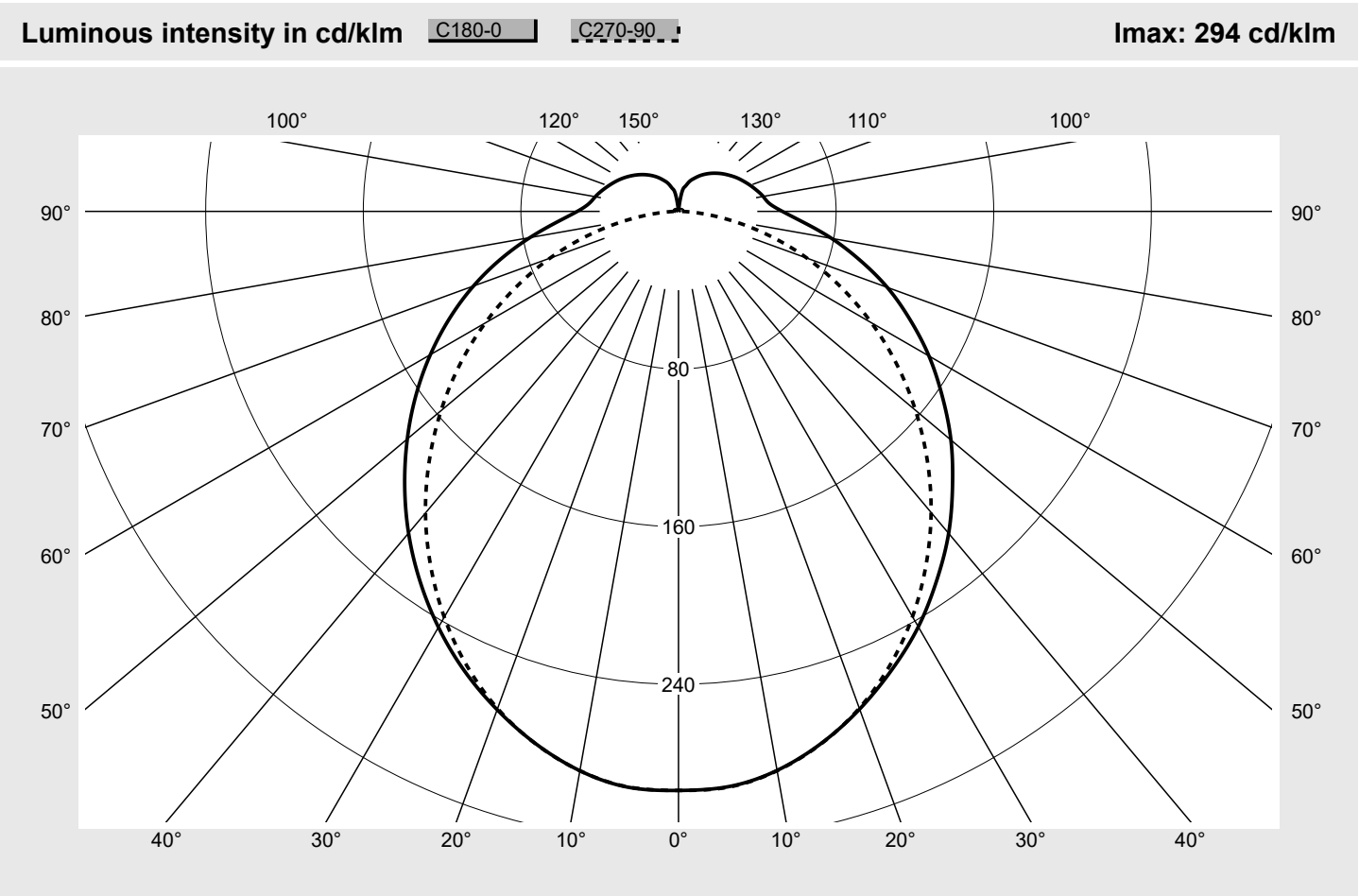
ECG Multilumen

Net luminous flux = 9750 lm
Power consumption = 55.2 W
Luminous efficacy = 176.6 lm/W

LP number
59520_251

serial
documentation
19.01.2024

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Classifications		Luminaire light output ratios	
DIN 5040	B 3 1	η_{LB}	100.0%
CIE	N1=44 N2=73 N3=91	ϕ_u	87.4%
	N4=87 N5=100	ϕ_o	12.6%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 11 Recessed	Order number: 51TE1DMN495G EAN: 4058352056592	LP number 59520_251
Table of values for luminous intensities		Maximum luminous intensity

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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: 51TE1DMN495G EAN: 4058352056592	LP number 59520_251
Table of values for luminous intensities		Maximum luminous intensity

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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: 51TE1DMN495G EAN: 4058352056592	LP number 59520_251
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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	21.7	23.2	22.1	23.7	24.2	21.3	22.9	21.8	23.3	23.8
	3H	23.6	25.0	24.1	25.5	26.0	22.9	24.3	23.4	24.8	25.3
	4H	24.4	25.7	24.9	26.2	26.8	23.4	24.7	23.9	25.2	25.8
	6H	25.2	26.4	25.7	26.9	27.5	23.8	25.0	24.3	25.5	26.1
	8H	25.6	26.7	26.1	27.3	27.9	23.9	25.1	24.5	25.6	26.2
	12H	25.9	26.9	26.5	27.5	28.2	23.9	25.0	24.5	25.6	26.2
4H	2H	22.4	23.7	22.9	24.2	24.7	22.0	23.3	22.6	23.9	24.4
	3H	24.4	25.5	25.0	26.1	26.7	23.7	24.8	24.3	25.4	26.0
	4H	25.4	26.4	26.0	27.0	27.6	24.4	25.4	25.0	26.0	26.6
	6H	26.3	27.2	27.0	27.8	28.5	24.9	25.8	25.5	26.4	27.1
	8H	26.8	27.6	27.4	28.3	29.0	25.1	25.9	25.7	26.5	27.2
	12H	27.2	27.9	27.9	28.6	29.3	25.1	25.9	25.8	26.5	27.2
8H	4H	25.7	26.5	26.3	27.2	27.8	24.8	25.6	25.4	26.2	26.9
	6H	26.9	27.6	27.5	28.2	28.9	25.5	26.2	26.1	26.8	27.6
	8H	27.4	28.1	28.1	28.7	29.5	25.8	26.4	26.4	27.0	27.8
	12H	28.0	28.5	28.7	29.2	30.0	25.9	26.4	26.6	27.1	27.9
12H	4H	25.7	26.4	26.3	27.1	27.8	24.9	25.6	25.5	26.2	26.9
	6H	26.9	27.5	27.6	28.2	28.9	25.6	26.2	26.3	26.9	27.6
	8H	27.5	28.1	28.2	28.7	29.5	25.9	26.5	26.6	27.1	27.9

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°	17904.4	17883.9	18553.9	21244.8	18628.7	17899.1	17889.7	17876.4	18570.5	21283.3	18637.0	17921.8		
50°	17254.6	17192.0	17709.5	20485.6	17736.2	17144.1	17177.2	17152.1	17700.6	20527.9	17762.9	17184.1		
55°	16579.3	16520.0	16830.0	19694.8	16839.6	16409.3	16505.3	16443.3	16810.8	19730.2	16887.7	16494.4		
60°	15997.8	15855.0	15944.8	18804.4	15923.6	15689.5	15847.7	15735.4	15881.3	18831.3	15997.7	15799.7		
65°	15373.5	15190.8	15061.5	17778.1	15002.3	14969.3	15200.3	15039.7	14954.9	17793.9	15097.0	15130.4		
70°	14814.1	14452.8	14072.6	16603.0	13977.6	14161.0	14548.1	14239.5	13909.7	16603.0	14099.8	14340.6		
75°	14122.1	13615.2	12848.3	14929.6	12699.1	13308.3	13845.7	13359.5	12628.3	14906.9	12875.6	13551.3		
80°	13563.9	12842.9	11490.5	12582.2	11207.2	12528.3	13160.0	12513.3	11195.5	12534.5	11399.3	12783.0		
85°	13124.0	12326.2	10113.0	9289.6	9862.3	11860.2	12755.0	11966.2	9781.4	9183.3	10086.9	12141.5		

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Family Licross® 11 Recessed	Order number: 51TE1DMN495G EAN: 4058352056592	LP number 59520_251
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Luminance values in cd/m²

γ 65°

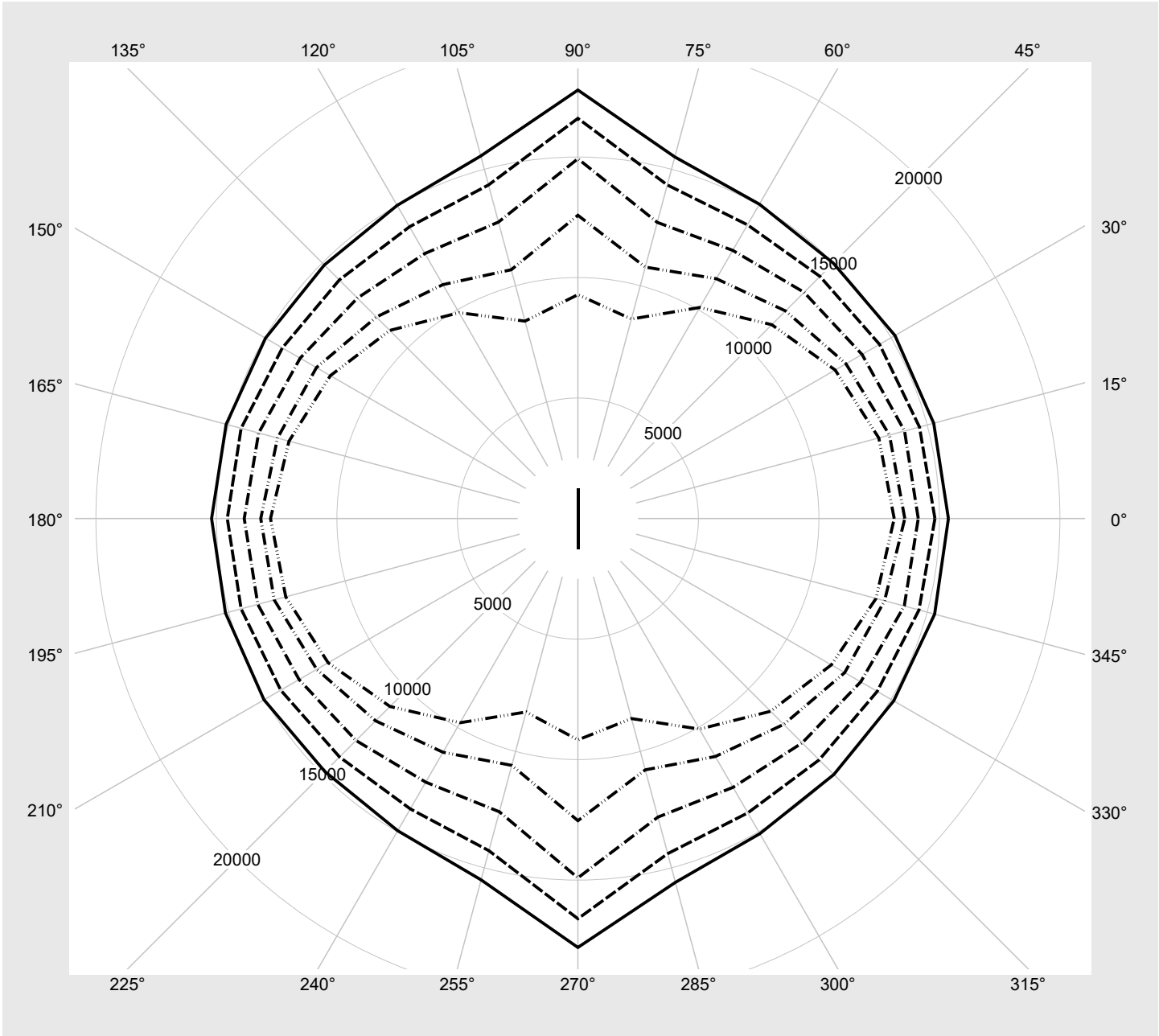
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Licross® 11 Recessed	Order number: 51TE1DMN495G EAN: 4058352056592	LP number 59520_251
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	9750	55.2
2	A	C	F	9330	52.5
3	A	D	E	8820	49.3
4	A	D	F	8310	46.2
5	B	C	E	7590	41.7
6	B	C	F	7360	40.4
7	B	D	E	6840	37.4
8	B	D	F	6400	34.8