

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL1DMN495G
EAN: 4058352055236

LP number
59520_246



Version cover, opal, direct-/ indirect distribution, diffuse
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 9750 lm
 Power consumption = 55.2 W
 Luminous efficacy = 176.6 lm/W

serial
documentation
19.01.2024

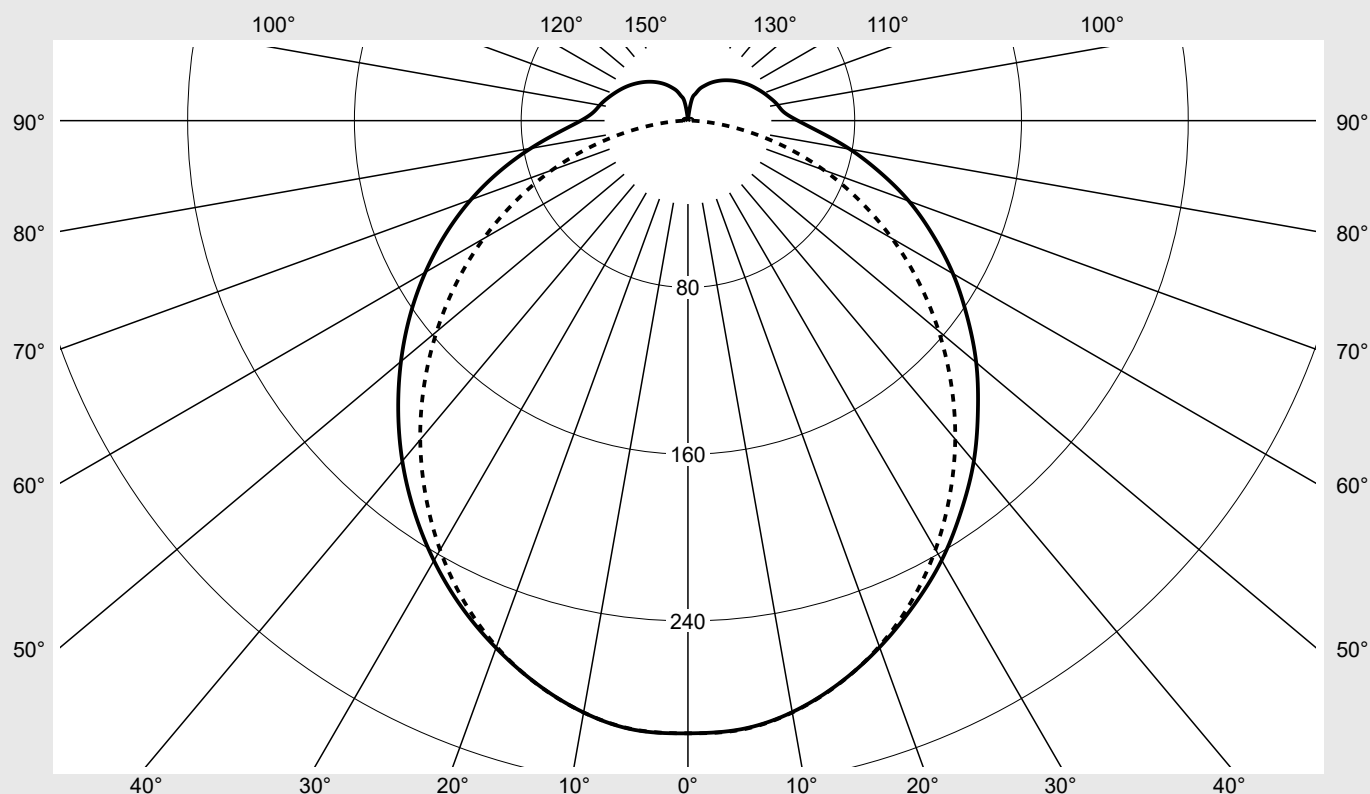
siteco

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

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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: 51TL1DMN495G EAN: 4058352055236										LP number 59520_246	
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: 51TL1DMN495G EAN: 4058352055236	LP number 59520_246
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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: 51TL1DMN495G
EAN: 4058352055236

LP number
59520_246

Luminance values in cd/m²

γ 65°

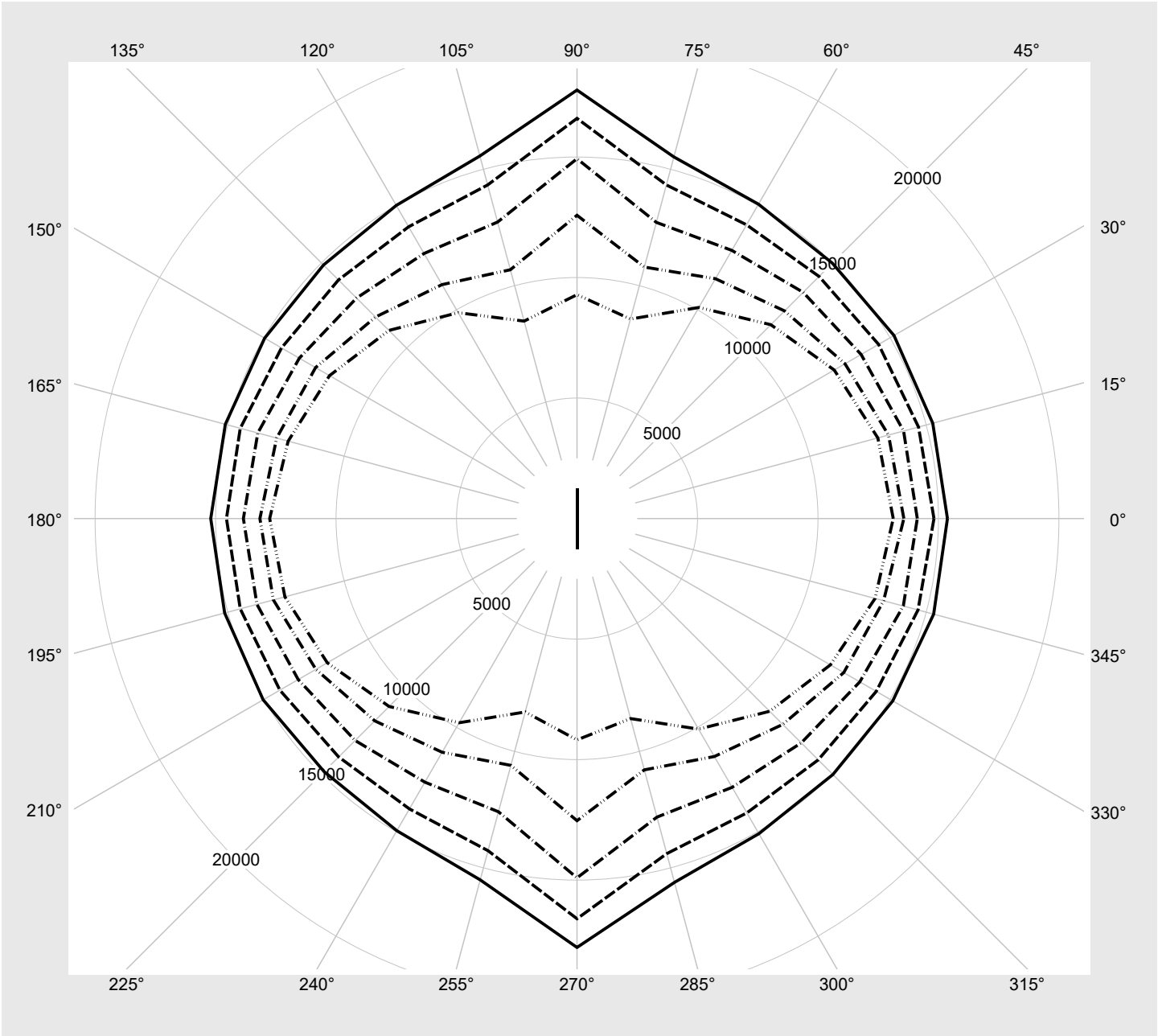
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1DMN495G EAN: 4058352055236	LP number 59520_246
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