

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL1DMV4G5M
EAN: 4058352056677

LP number
59520_245



Version cover, opal, direct-/ indirect distribution, diffuse
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 16760 lm
 Power consumption = 89.2 W
 Luminous efficacy = 187.9 lm/W

serial
documentation
19.01.2024

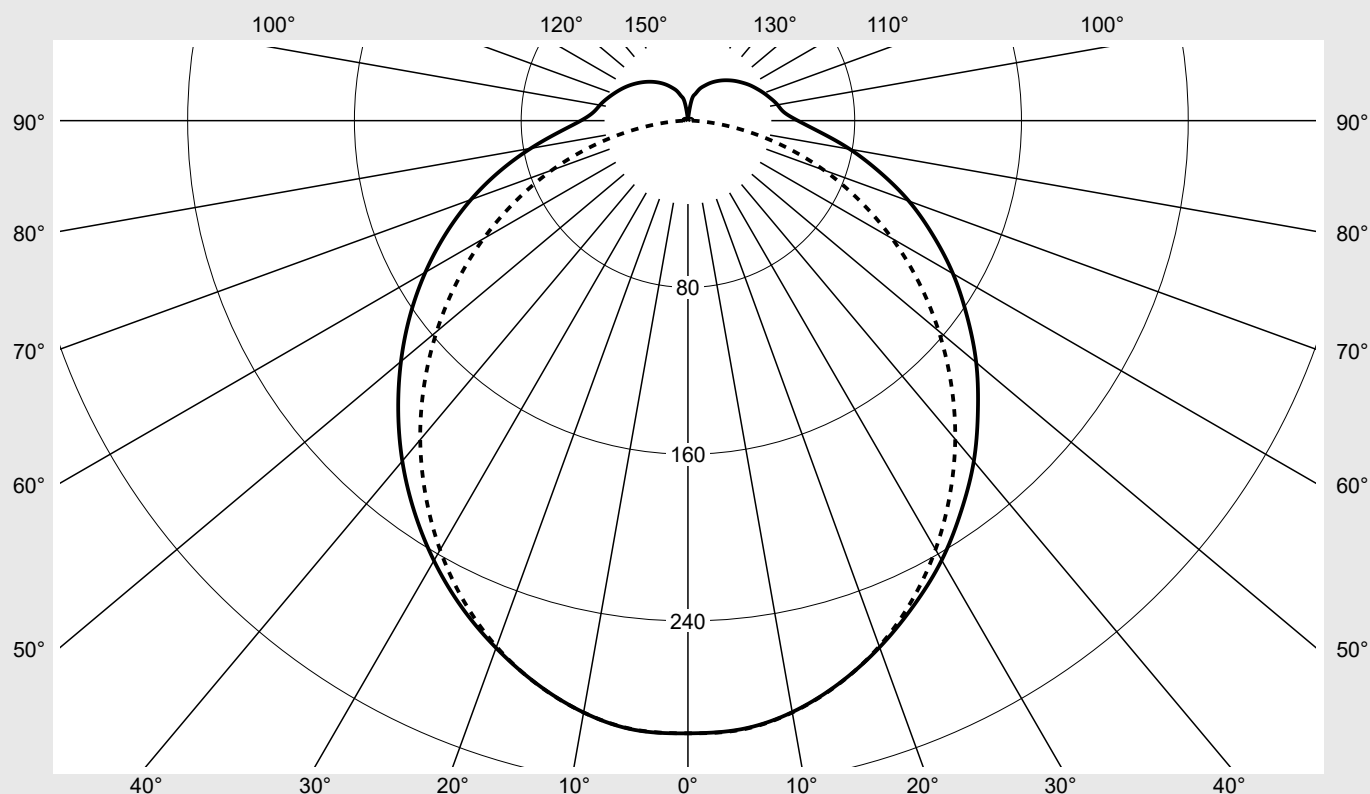
siteco

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: 51TL1DMV4G5M EAN: 4058352056677										LP number 59520_245	
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: 51TL1DMV4G5M EAN: 4058352056677	LP number 59520_245
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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	22.2	23.7	22.6	24.2	24.7	21.8	23.4	22.3	23.8	24.3	
	3H	24.1	25.5	24.6	26.0	26.5	23.4	24.8	23.9	25.3	25.8	
	4H	24.9	26.2	25.4	26.7	27.3	23.9	25.2	24.4	25.7	26.3	
	6H	25.7	26.9	26.2	27.4	28.0	24.3	25.5	24.8	26.0	26.6	
	8H	26.1	27.2	26.6	27.7	28.4	24.4	25.6	25.0	26.1	26.7	
	12H	26.4	27.4	27.0	28.0	28.6	24.5	25.6	25.0	26.1	26.7	
4H	2H	22.8	24.2	23.3	24.7	25.2	22.5	23.8	23.1	24.4	24.9	
	3H	24.9	26.0	25.4	26.6	27.2	24.2	25.3	24.8	25.9	26.5	
	4H	25.9	26.9	26.5	27.5	28.1	24.9	25.9	25.5	26.5	27.2	
	6H	26.8	27.7	27.4	28.3	29.0	25.4	26.3	26.0	26.9	27.6	
	8H	27.3	28.1	27.9	28.7	29.4	25.6	26.4	26.2	27.0	27.7	
	12H	27.7	28.4	28.4	29.1	29.8	25.7	26.4	26.3	27.0	27.8	
8H	4H	26.2	27.0	26.8	27.6	28.3	25.3	26.1	25.9	26.8	27.4	
	6H	27.4	28.0	28.0	28.7	29.4	26.0	26.7	26.7	27.3	28.1	
	8H	27.9	28.5	28.6	29.2	29.9	26.3	26.9	26.9	27.5	28.3	
	12H	28.5	29.0	29.2	29.7	30.4	26.4	26.9	27.1	27.6	28.4	
12H	4H	26.2	26.9	26.8	27.6	28.3	25.4	26.1	26.0	26.7	27.4	
	6H	27.4	28.0	28.0	28.7	29.4	26.1	26.7	26.8	27.4	28.1	
	8H	28.0	28.6	28.7	29.2	30.0	26.5	27.0	27.1	27.6	28.4	

Luminance table		Max. for $\gamma \geq 65^\circ$				Photometric dimensions in mm:		L = 2250 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°		20518.1	20538.8	21349.5	24479.9	21435.6	20556.2	20501.2	20530.1	21368.7	24524.3	21445.2	20582.3
50°		19773.5	19750.2	20391.1	23629.5	20421.9	19695.2	19684.8	19704.4	20380.9	23678.3	20452.6	19741.1
55°		18999.5	18984.7	19393.0	22746.2	19404.1	18857.5	18914.8	18896.6	19370.8	22787.1	19459.5	18955.3
60°		18333.2	18227.7	18389.4	21753.0	18365.0	18037.4	18161.2	18090.2	18316.2	21784.1	18450.4	18164.2
65°		17617.7	17472.3	17389.9	20610.4	17321.5	17217.5	17419.3	17298.5	17266.8	20628.8	17430.9	17402.9
70°		16976.7	16632.9	16271.2	19308.6	16161.3	16297.1	16671.9	16387.5	16082.8	19308.6	16302.6	16503.8
75°		16183.7	15680.4	14884.1	17449.7	14711.3	15327.0	15867.0	15385.9	14629.3	17423.1	14915.8	15606.9
80°		15544.1	14805.3	13348.8	14846.4	13019.6	14442.6	15081.2	14425.4	13006.0	14790.1	13242.8	14736.2
85°		15039.9	14229.4	11802.5	11245.6	11509.9	13691.5	14617.0	13813.9	11415.5	11116.9	11772.0	14016.2

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Family
Licross® 11 Recessed

Order number: 51TL1DMV4G5M
EAN: 4058352056677

LP number
59520_245

Luminance values in cd/m²

γ 65°

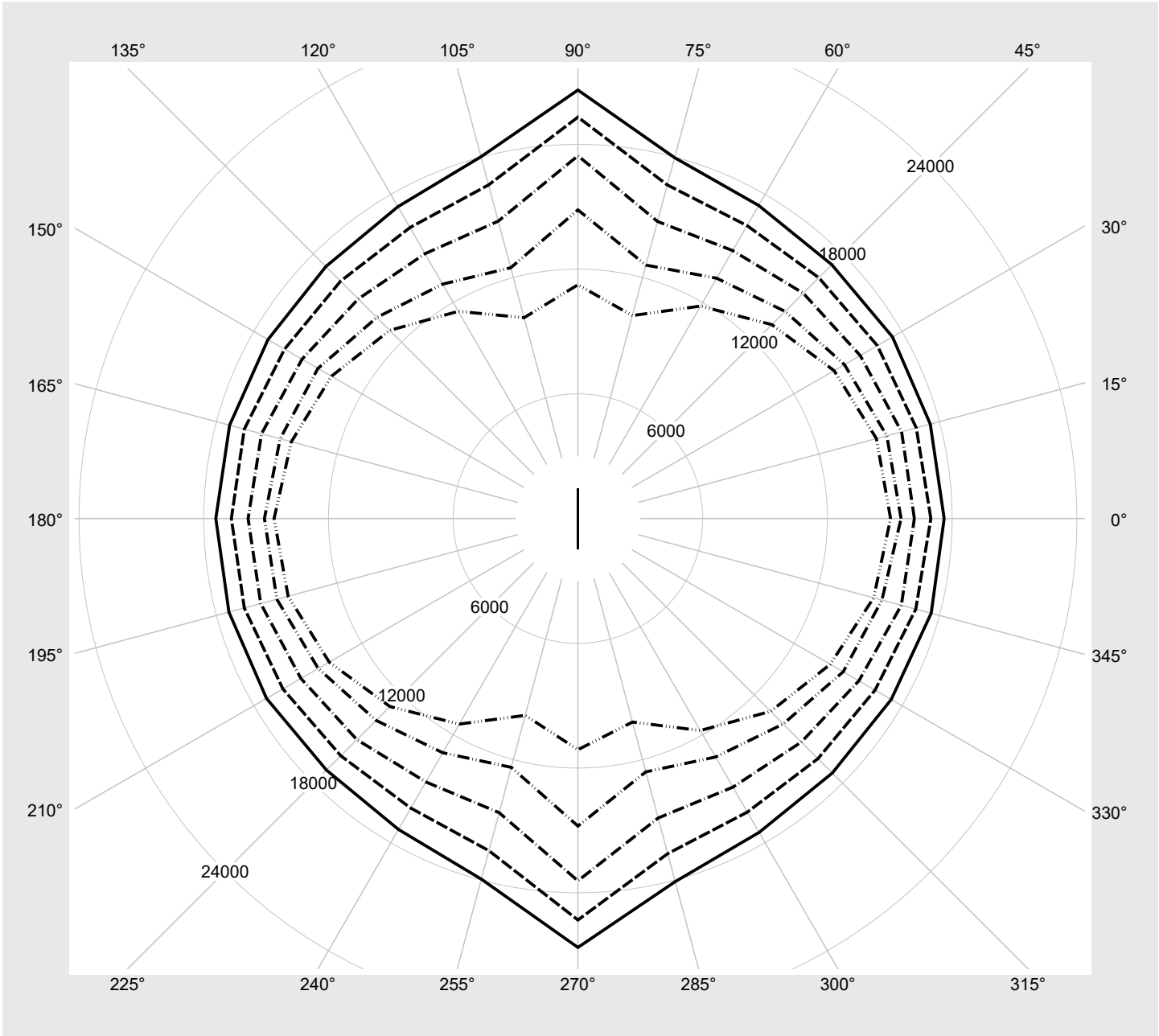
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1DMV4G5M EAN: 4058352056677	LP number 59520_245
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	16760	89.2
2	A	C	F	15700	83.1
3	A	D	E	14720	77.4
4	A	D	F	13730	71.8
5	B	C	E	12730	66.1
6	B	C	F	11790	61.0
7	B	D	E	10780	55.5
8	B	D	F	9830	50.3