

Lichttechnischer Prüfbefund

Familie
Licross® 21 Opal



Bestell-Nr.: 52TE1DMN4AXG
EAN: 4058352056752

Ausführung

Bestückung

Betriebsgerät

Bemessungswerte

Abdeckung, opal, direkt-/ indirekt strahlend, diffus

LED 4000 K | CRI ≥ 80

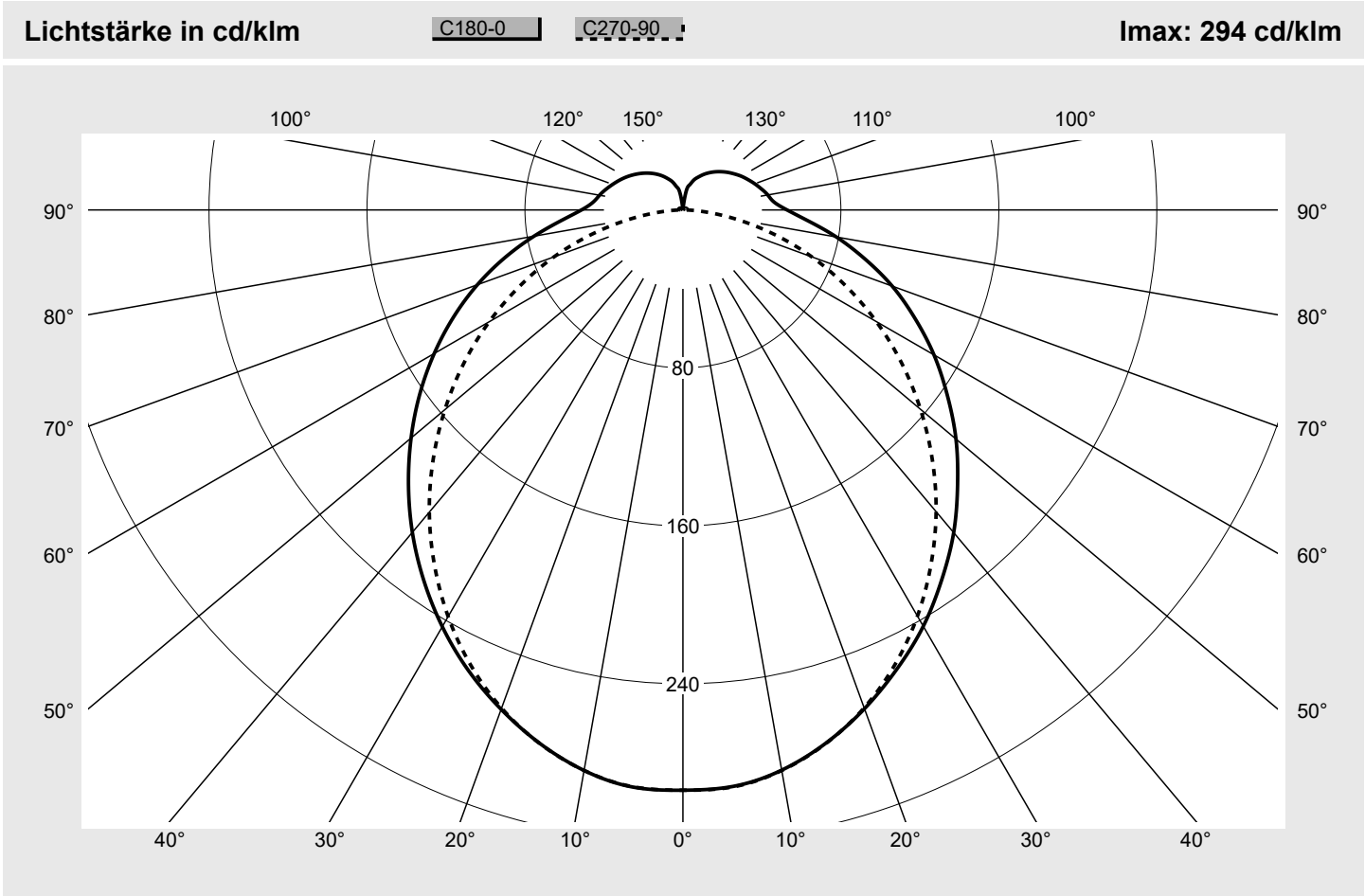
EVG-Multilumen

Nettolichtstrom = 10420 lm
Systemleistung = 60.5 W
Lichtausbeute = 172.2 lm/W

LP-Nummer
59520_262

Seriedokumentation
09.02.2024

siteco



Klassifizierungen		Leuchtenbetriebswirkungsgrade	
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%

Messbedingungen
DIN EN 13032 und DIN 5032

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Familie Licross® 21 Opal	Bestell-Nr.: 52TE1DMN4AXG EAN: 4058352056752	LP-Nummer 59520_262
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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sitEco
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C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
γ	Lichtstärke 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

Lichttechnischer Prüfbefund

Familie Licross® 21 Opal				Bestell-Nr.: 52TE1DMN4AXG EAN: 4058352056752								LP-Nummer 59520_262	
Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom 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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Familie Licross® 21 Opal			Bestell-Nr.: 52TE1DMN4AXG EAN: 4058352056752						LP-Nummer 59520_262			
UGR-Tabelle									Standardraum		siteco	
Reflexionsgrad Decke		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5		0,3
Reflexionsgrad Wände		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3		0,3
Reflexionsgrad Boden		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		0,2
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)					
x	y											
2H	2H	21,9	23,5	22,4	23,9	24,4	21,6	23,1	22,0	23,6	24,1	
	3H	23,8	25,3	24,3	25,7	26,3	23,1	24,6	23,6	25,0	25,5	
	4H	24,6	26,0	25,2	26,5	27,0	23,6	25,0	24,1	25,5	26,0	
	6H	25,4	26,6	26,0	27,2	27,8	24,0	25,2	24,5	25,8	26,4	
	8H	25,8	26,9	26,4	27,5	28,1	24,1	25,3	24,7	25,9	26,5	
	12H	26,1	27,2	26,7	27,7	28,4	24,2	25,3	24,7	25,8	26,5	
4H	2H	22,6	23,9	23,1	24,4	25,0	22,3	23,6	22,8	24,1	24,7	
	3H	24,6	25,8	25,2	26,3	26,9	23,9	25,1	24,5	25,6	26,2	
	4H	25,7	26,7	26,2	27,2	27,9	24,7	25,7	25,2	26,2	26,9	
	6H	26,6	27,5	27,2	28,1	28,7	25,1	26,0	25,7	26,6	27,3	
	8H	27,1	27,9	27,7	28,5	29,2	25,3	26,2	25,9	26,8	27,4	
	12H	27,5	28,2	28,1	28,8	29,5	25,4	26,1	26,0	26,8	27,5	
8H	4H	25,9	26,8	26,6	27,4	28,1	25,1	25,9	25,7	26,5	27,2	
	6H	27,1	27,8	27,7	28,4	29,1	25,7	26,4	26,4	27,1	27,8	
	8H	27,7	28,3	28,3	28,9	29,7	26,0	26,6	26,6	27,3	28,0	
	12H	28,2	28,7	28,9	29,4	30,2	26,1	26,6	26,8	27,3	28,1	
12H	4H	25,9	26,7	26,6	27,3	28,0	25,1	25,8	25,7	26,4	27,2	
	6H	27,1	27,7	27,8	28,4	29,2	25,9	26,4	26,5	27,1	27,9	
	8H	27,8	28,3	28,4	29,0	29,7	26,2	26,7	26,8	27,4	28,1	

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$		Lichttechnische Abmessungen in mm:		L = 1500 B = 76		H(C0) = 25 H(C90) = 25		H(C180) = 25 H(C270) = 25		
C- Ebenen	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ	Leuchtdichte in cd/m²											
45°	19134.8	19112.9	19828.8	22704.7	19908.8	19129.1	19119.0	19104.8	19846.6	22745.9	19917.7	19153.4
50°	18440.3	18373.4	18926.4	21893.3	18955.0	18322.2	18357.6	18330.8	18916.9	21938.5	18983.5	18364.9
55°	17718.5	17655.2	17986.5	21048.2	17996.8	17536.9	17639.5	17573.3	17966.0	21086.1	18048.2	17627.9
60°	17097.1	16944.5	17040.5	20096.6	17017.9	16767.6	16936.8	16816.7	16972.6	20125.4	17097.0	16885.5
65°	16429.9	16234.7	16096.5	18999.7	16033.2	15997.9	16244.9	16073.2	15982.5	19016.6	16134.5	16170.2
70°	15832.1	15445.9	15039.7	17744.0	14938.1	15134.1	15547.9	15218.0	14865.5	17744.0	15068.7	15326.0
75°	15092.5	14550.8	13731.2	15955.5	13571.7	14222.9	14797.2	14277.5	13496.1	15931.2	13760.4	14482.6
80°	14496.0	13725.4	12280.1	13446.9	11977.3	13389.2	14064.4	13373.2	11964.8	13395.9	12182.7	13661.4
85°	14025.9	13173.2	10808.0	9928.0	10540.0	12675.3	13631.5	12788.5	10453.5	9814.3	10780.1	12975.8

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Leuchtdichten in cd/m²

γ 65°

γ 70°

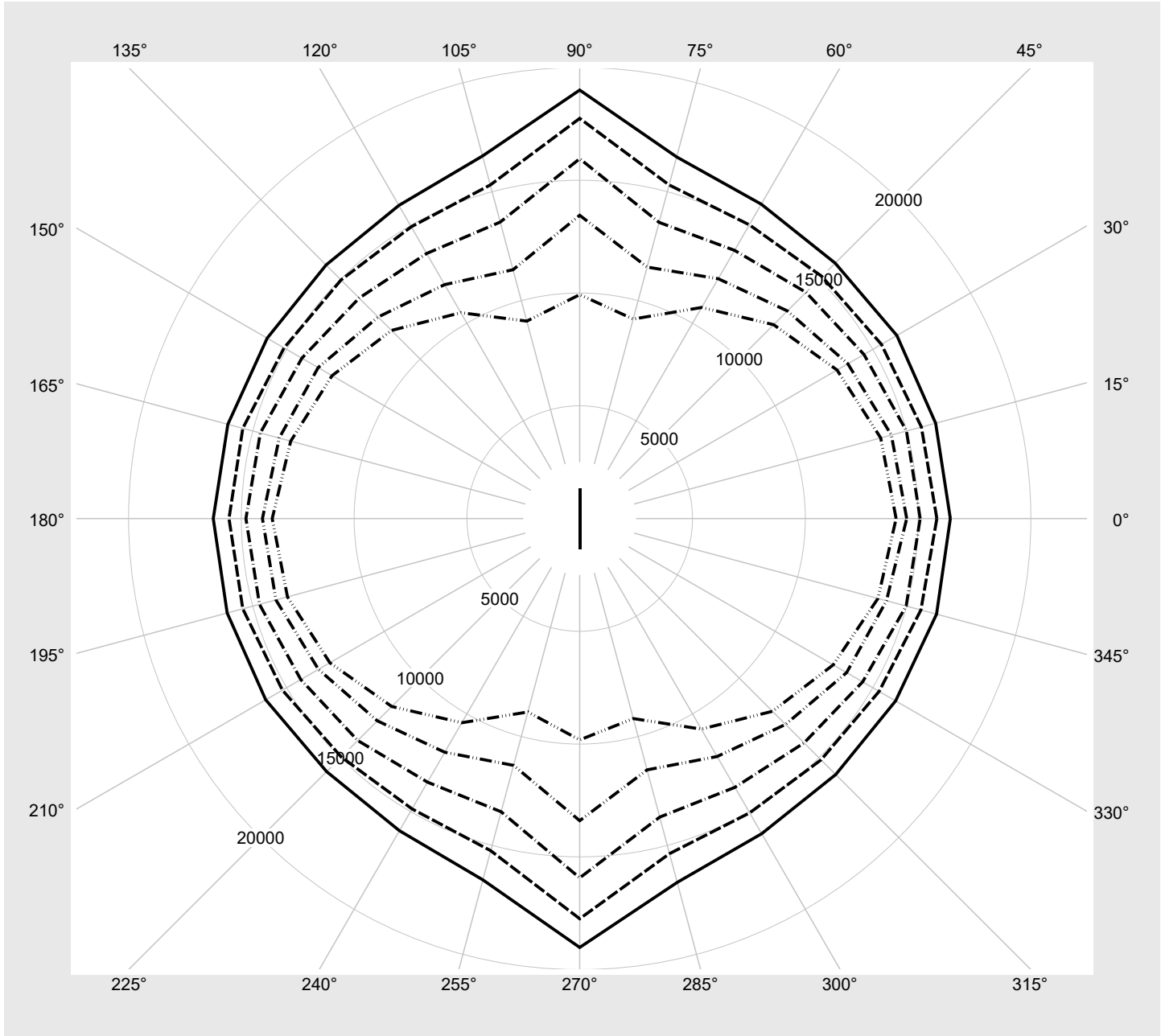
γ 75°

γ 80°

γ 85°

sit

eco



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Familie Licross® 21 Opal	Bestell-Nr.: 52TE1DMN4AXG EAN: 4058352056752	LP-Nummer 59520_262
Multilumen-Tabelle Umgebungstemperatur: 25°C		sit eco

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	10420	60.5
2	A	C	F	9810	56.5
3	A	D	E	9340	53.4
4	A	D	F	8850	50.3
5	B	C	E	8360	47.3
6	B	C	F	7870	44.4
7	B	D	E	7370	41.4
8	B	D	F	6860	38.4