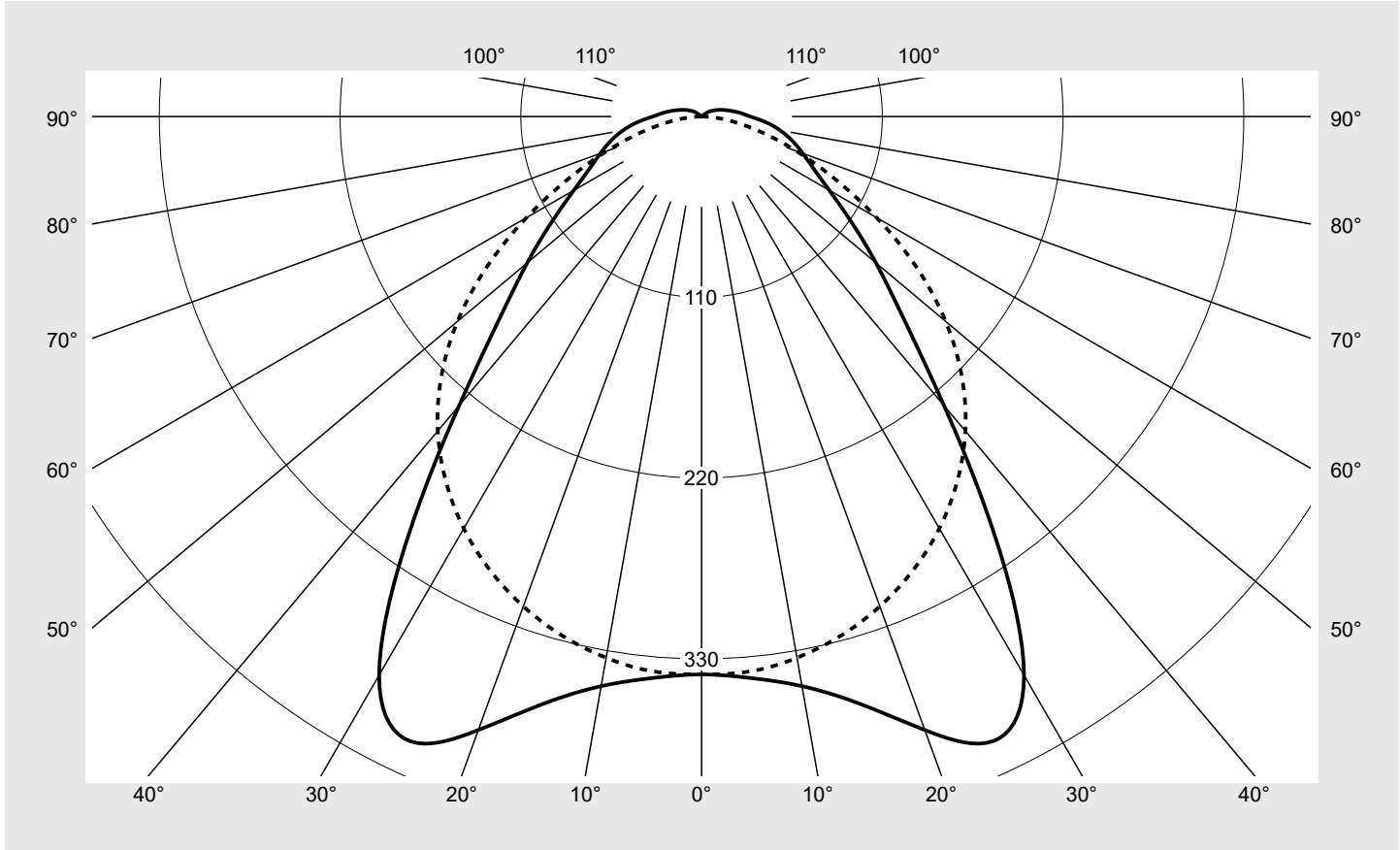


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_177
Version	prismatic cover, frosted, wide distribution	serial documentation 02.11.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 14500 lm Power consumption = 87.3 W Luminous efficacy = 166.1 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 419 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_177
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	1000.0

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_177
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UGR-Table	Standard room	siteco
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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	22.4	24.1	22.8	24.4	24.7	24.3	25.9	24.7	26.2	26.6
	3H	23.6	25.1	24.0	25.5	25.8	25.3	26.8	25.7	27.1	27.5
	4H	24.3	25.7	24.7	26.1	26.5	25.7	27.1	26.1	27.4	27.8
	6H	25.1	26.4	25.5	26.8	27.1	25.9	27.2	26.3	27.6	28.0
	8H	25.5	26.7	25.9	27.1	27.5	26.0	27.2	26.5	27.6	28.0
	12H	25.9	27.0	26.3	27.4	27.8	26.1	27.2	26.5	27.6	28.0
4H	2H	23.3	24.7	23.7	25.0	25.4	24.7	26.1	25.1	26.5	26.9
	3H	24.7	25.8	25.1	26.2	26.6	26.0	27.2	26.4	27.6	28.0
	4H	25.5	26.6	25.9	27.0	27.4	26.5	27.6	27.0	28.0	28.4
	6H	26.4	27.3	26.9	27.8	28.2	26.9	27.8	27.3	28.2	28.7
	8H	26.9	27.7	27.3	28.2	28.6	27.0	27.9	27.5	28.3	28.8
	12H	27.4	28.1	27.8	28.6	29.1	27.1	27.9	27.6	28.3	28.8
8H	4H	25.9	26.8	26.4	27.2	27.7	26.8	27.7	27.3	28.1	28.6
	6H	27.0	27.7	27.5	28.2	28.7	27.3	28.0	27.8	28.5	29.0
	8H	27.6	28.2	28.1	28.7	29.2	27.5	28.2	28.0	28.7	29.2
	12H	28.2	28.8	28.7	29.3	29.8	27.7	28.2	28.2	28.7	29.3
12H	4H	26.0	26.7	26.5	27.2	27.7	26.9	27.6	27.3	28.1	28.6
	6H	27.1	27.7	27.6	28.2	28.7	27.5	28.1	28.0	28.6	29.1
	8H	27.8	28.3	28.3	28.8	29.3	27.7	28.3	28.2	28.8	29.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		26492.1	27839.9	31750.4	37725.6	42029.5	40849.0	39802.5	
50°		22586.1	23678.1	26882.5	32050.4	36797.7	37879.5	37889.6	
55°		19610.0	20580.6	23586.9	28018.4	31971.9	33608.8	34941.9	
60°		17499.5	18247.9	20803.6	25069.4	27992.1	29018.5	30915.5	
65°		16494.8	17001.6	18765.4	22506.9	24863.1	24831.1	26503.4	
70°		16512.3	16752.3	17565.3	20285.3	22262.2	21223.3	22529.6	
75°		17112.8	17167.8	17182.3	18629.2	19855.6	18057.7	19034.7	
80°		18054.7	17959.0	17545.9	17614.3	17802.4	15564.7	15871.5	
85°		19397.5	19311.0	18799.3	18060.0	16853.4	13898.7	13290.5	

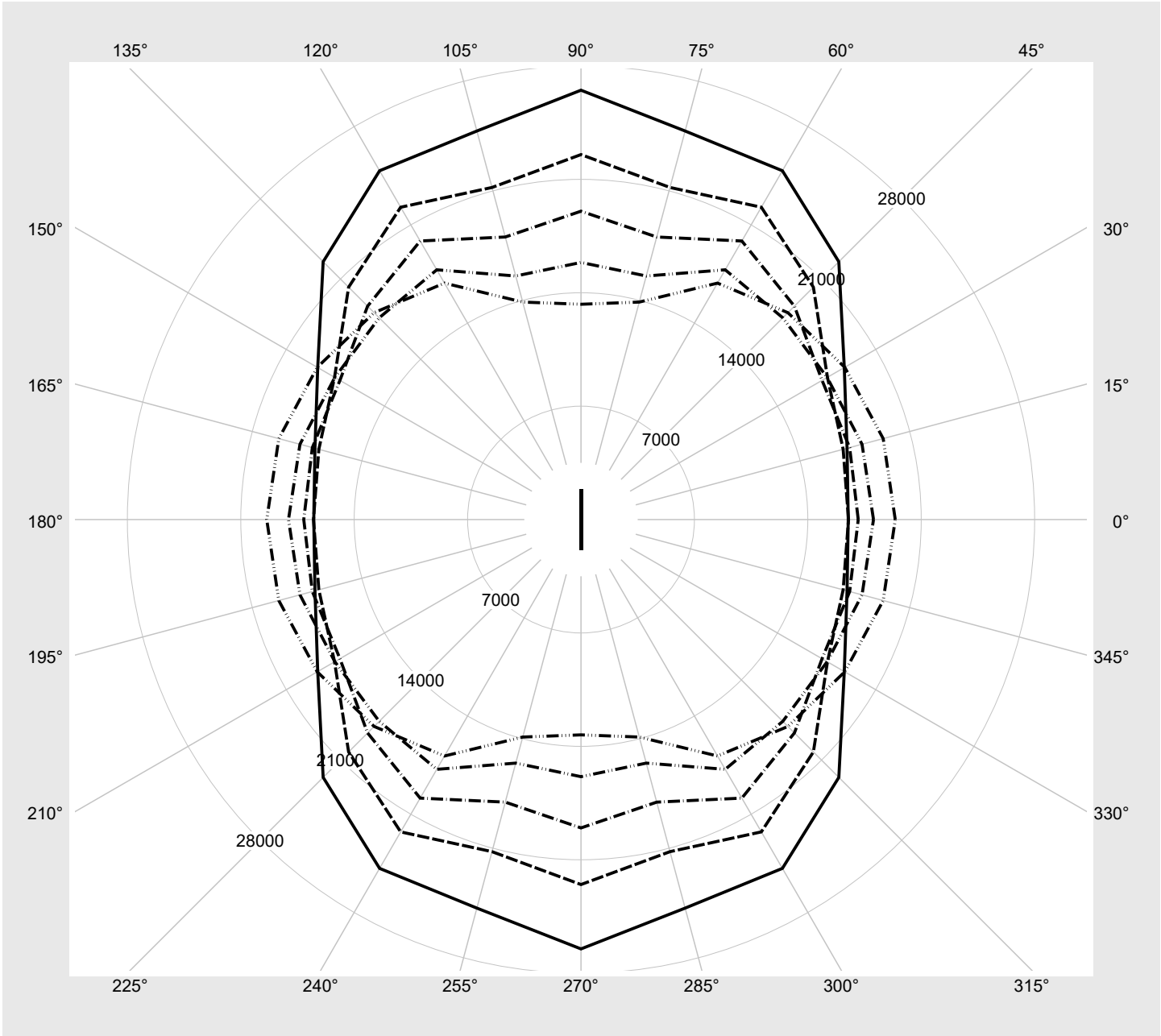
Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_177
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_177
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14500	87.3
95	240	252	13767	82.4
90	226	250	13025	77.5
85	213	248	12327	72.9
80	200	245	11622	68.3
75	186	243	10859	63.6
70	173	240	10142	59.1
65	160	237	9419	54.7
60	147	234	8691	50.2
55	134	231	7957	45.9
50	122	227	7273	41.9
45	109	223	6527	37.7
40	96	218	5773	33.4
35	84	213	5070	29.4
30	72	208	4360	25.7
25	60	201	3646	21.8
20	48	193	2925	17.9
15	36	182	2198	14.0
10	24	168	1467	10.1
5	12	142	727	6.4
2	4	102	230	4.0