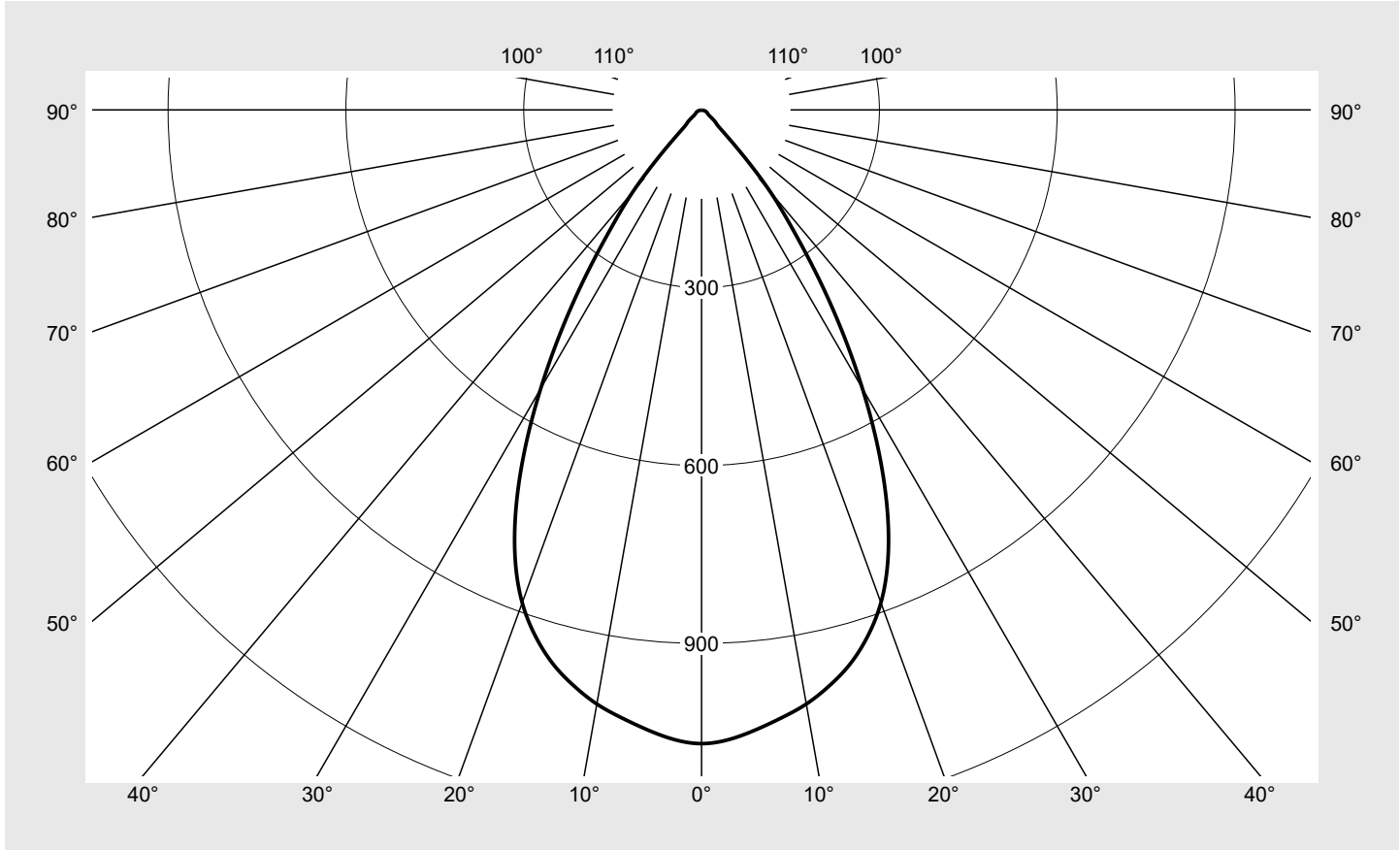


Photometric test report

Family Lunis 31	Order number: 51DN157E41 EAN: 4058352555910	LP number 59320_4
	Version	Lens optics, wide distribution, UGR≤19
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Rated values	Net luminous flux = 1040 lm Power consumption = 8.3 W Luminous efficacy = 125.3 lm/W
		serial documentation 15.06.2022
		

Luminous intensity in cd/klm C180-0 **Imax: 1069 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=93 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

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sITeco

Table of values for luminous intensities Maximum luminous intensity

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0,0°	1068.9	1.6	1.6
2,5°	1063.0	12.7	14.3
5,0°	1049.6	25.1	39.4
7,5°	1034.2	37.0	76.4
10,0°	1017.6	48.4	124.8
12,5°	995.1	59.0	183.9
15,0°	967.7	68.7	252.5
17,5°	931.2	76.8	329.3
20,0°	884.6	82.9	412.2
22,5°	821.4	86.2	498.4
25,0°	740.7	85.8	584.2
27,5°	645.8	81.7	666.0
30,0°	542.7	74.4	740.3
32,5°	438.6	64.6	805.0
35,0°	338.3	53.2	858.1
37,5°	249.5	41.6	899.8
40,0°	180.2	31.8	931.5
42,5°	100.5	18.6	950.1
45,0°	46.4	9.0	959.1
47,5°	33.4	6.8	965.9
50,0°	26.7	5.6	971.5
52,5°	18.0	3.9	975.4
55,0°	14.5	3.3	978.7
57,5°	12.6	2.9	981.6
60,0°	11.5	2.7	984.3
62,5°	10.6	2.6	986.9
65,0°	9.6	2.4	989.3
67,5°	8.5	2.2	991.5
70,0°	7.5	1.9	993.4
72,5°	6.5	1.7	995.1
75,0°	5.4	1.4	996.5
77,5°	4.5	1.2	997.7
80,0°	3.5	0.9	998.6
82,5°	2.6	0.7	999.3
85,0°	1.6	0.4	999.8
87,5°	0.8	0.2	1000.0
90,0°	0.1	0.0	1000.0

Photometric test report

Family Lunis 31	Order number: 51DN157E41 EAN: 4058352555910	LP number 59320_4
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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	15.0	16.2	15.4	16.5	16.9	15.0	16.2	15.4	16.5	16.9
	3H	15.0	16.1	15.4	16.4	16.8	15.0	16.1	15.4	16.4	16.8
	4H	15.0	16.0	15.4	16.4	16.7	15.0	16.0	15.4	16.4	16.7
	6H	15.1	15.9	15.5	16.3	16.7	15.1	15.9	15.5	16.3	16.7
	8H	15.2	15.9	15.6	16.3	16.7	15.2	15.9	15.6	16.3	16.7
	12H	15.2	15.8	15.6	16.2	16.6	15.2	15.8	15.6	16.2	16.6
4H	2H	14.9	15.8	15.3	16.2	16.6	14.9	15.8	15.3	16.2	16.6
	3H	14.9	15.7	15.3	16.1	16.5	14.9	15.7	15.3	16.1	16.5
	4H	14.9	15.6	15.4	16.1	16.5	14.9	15.6	15.4	16.1	16.5
	6H	15.0	15.6	15.5	16.0	16.5	15.0	15.6	15.5	16.0	16.5
	8H	15.0	15.5	15.5	16.0	16.5	15.0	15.5	15.5	16.0	16.5
	12H	15.1	15.5	15.6	16.0	16.5	15.1	15.5	15.6	16.0	16.5
8H	4H	14.9	15.4	15.4	15.9	16.4	14.9	15.4	15.4	15.9	16.4
	6H	15.0	15.4	15.5	15.9	16.4	15.0	15.4	15.5	15.9	16.4
	8H	15.0	15.4	15.5	15.9	16.4	15.0	15.4	15.5	15.9	16.4
	12H	15.1	15.4	15.6	15.9	16.4	15.1	15.4	15.6	15.9	16.4
12H	4H	14.9	15.3	15.4	15.8	16.3	14.9	15.3	15.4	15.8	16.3
	6H	15.0	15.3	15.5	15.8	16.3	15.0	15.3	15.5	15.8	16.3
	8H	15.0	15.3	15.6	15.8	16.4	15.0	15.3	15.6	15.8	16.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 146
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C-planes	0°
γ	Luminance in cd/m²
45,0°	4074.8
50,0°	2581.0
55,0°	1571.0
60,0°	1423.8
65,0°	1413.2
70,0°	1358.0
75,0°	1303.5
80,0°	1245.7
85,0°	1145.4

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

