

Photometric test report

Family Modario® 31	Order number: 53BM812CV685C2 EAN: 4069025123107	LP number 59594_18
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
0°	293.1	293.1	293.1	293.1	293.1	293.1	293.1	1.8	1.8
5°	296.1	295.6	293.1	293.6	293.8	293.0	292.9	14.0	15.8
10°	296.3	296.3	293.6	293.6	292.6	289.9	288.9	27.9	43.7
15°	290.3	290.9	288.4	289.1	288.3	284.2	281.9	40.8	84.5
20°	287.9	288.2	282.8	281.1	280.6	275.9	272.2	52.8	137.3
25°	291.3	290.8	281.6	274.0	270.0	264.7	259.4	64.0	201.2
30°	299.8	298.4	283.7	269.7	258.3	250.5	243.7	74.6	275.8
35°	307.3	306.0	288.6	266.7	246.6	233.7	225.0	84.2	360.1
40°	297.5	299.0	287.4	263.1	235.0	215.2	204.3	91.1	451.1
45°	263.6	268.2	268.7	253.4	221.8	194.2	181.1	92.3	543.4
50°	218.1	223.5	232.0	231.1	204.9	171.7	156.1	87.5	630.9
55°	172.9	177.3	186.9	195.4	181.1	147.5	130.2	77.8	708.7
60°	132.3	135.3	142.3	152.9	149.4	121.4	104.1	64.8	773.5
65°	98.5	100.2	104.0	112.2	114.5	94.5	79.4	50.9	824.4
70°	71.4	72.6	74.4	79.3	82.2	69.0	57.1	37.9	862.3
75°	51.0	51.6	52.9	55.5	55.9	46.4	37.5	27.0	889.4
80°	39.4	39.1	38.7	38.1	35.5	27.5	20.9	18.8	908.2
85°	32.8	32.1	30.1	26.5	21.0	13.7	8.3	13.1	921.3
90°	27.7	27.1	24.5	19.3	12.6	5.6	0.8	9.4	930.7
95°	24.8	24.4	22.4	17.8	11.6	5.3	0.8	8.6	939.3
100°	22.5	22.2	20.5	16.7	11.5	5.5	0.8	7.9	947.2
105°	20.6	20.3	18.7	16.0	11.5	5.9	0.8	7.3	954.6
110°	19.2	18.7	17.6	15.5	11.7	6.3	0.7	6.8	961.4
115°	18.2	17.8	17.0	15.3	12.2	5.8	0.8	6.4	967.8
120°	17.9	17.4	16.9	15.5	12.3	5.3	0.8	6.1	973.9
125°	17.8	17.4	16.9	15.5	11.8	5.2	0.8	5.7	979.6
130°	17.9	17.4	16.8	15.0	10.1	5.0	0.9	5.2	984.7
135°	17.9	17.3	16.2	13.6	8.1	4.3	1.0	4.5	989.2
140°	16.9	16.0	14.5	11.2	6.7	3.5	1.1	3.6	992.8
145°	14.9	14.0	12.0	8.5	5.5	2.8	1.2	2.7	995.4
150°	11.8	10.8	9.0	6.5	4.7	2.2	1.4	1.8	997.3
155°	8.6	8.1	7.0	5.2	4.0	1.7	1.5	1.2	998.5
160°	6.8	6.5	5.3	4.3	3.2	1.5	1.5	0.8	999.2
165°	5.5	5.3	3.9	3.4	2.1	1.6	1.6	0.5	999.7
170°	3.8	3.1	2.5	2.0	1.6	1.6	1.6	0.2	999.9
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.1	1000.0
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1000.0

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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	22.5	24.2	22.9	24.5	24.8	22.3	24.0	22.7	24.3	24.6
	3H	23.4	24.9	23.7	25.2	25.6	23.4	25.0	23.8	25.3	25.6
	4H	23.7	25.1	24.1	25.5	25.8	23.8	25.3	24.2	25.6	26.0
	6H	24.0	25.3	24.4	25.7	26.1	24.1	25.4	24.5	25.8	26.2
	8H	24.2	25.4	24.6	25.8	26.2	24.2	25.4	24.6	25.8	26.2
	12H	24.3	25.5	24.7	25.9	26.3	24.2	25.4	24.6	25.8	26.2
4H	2H	23.2	24.6	23.6	25.0	25.3	23.0	24.5	23.4	24.8	25.2
	3H	24.2	25.4	24.6	25.8	26.2	24.4	25.6	24.8	26.0	26.4
	4H	24.6	25.7	25.0	26.1	26.5	24.9	26.0	25.3	26.4	26.8
	6H	25.0	25.9	25.4	26.4	26.8	25.2	26.2	25.7	26.6	27.1
	8H	25.2	26.0	25.6	26.5	27.0	25.3	26.2	25.8	26.7	27.2
	12H	25.4	26.2	25.9	26.6	27.1	25.4	26.2	25.9	26.7	27.2
8H	4H	24.8	25.7	25.3	26.2	26.6	25.1	26.0	25.6	26.4	26.9
	6H	25.3	26.1	25.8	26.6	27.0	25.6	26.3	26.1	26.8	27.3
	8H	25.6	26.3	26.1	26.8	27.3	25.8	26.4	26.3	26.9	27.4
	12H	26.0	26.5	26.5	27.0	27.6	25.9	26.5	26.4	27.0	27.5
12H	4H	24.9	25.7	25.4	26.1	26.6	25.2	25.9	25.6	26.4	26.9
	6H	25.4	26.1	25.9	26.6	27.1	25.7	26.3	26.2	26.8	27.3
	8H	25.7	26.3	26.3	26.8	27.3	25.9	26.5	26.4	27.0	27.5

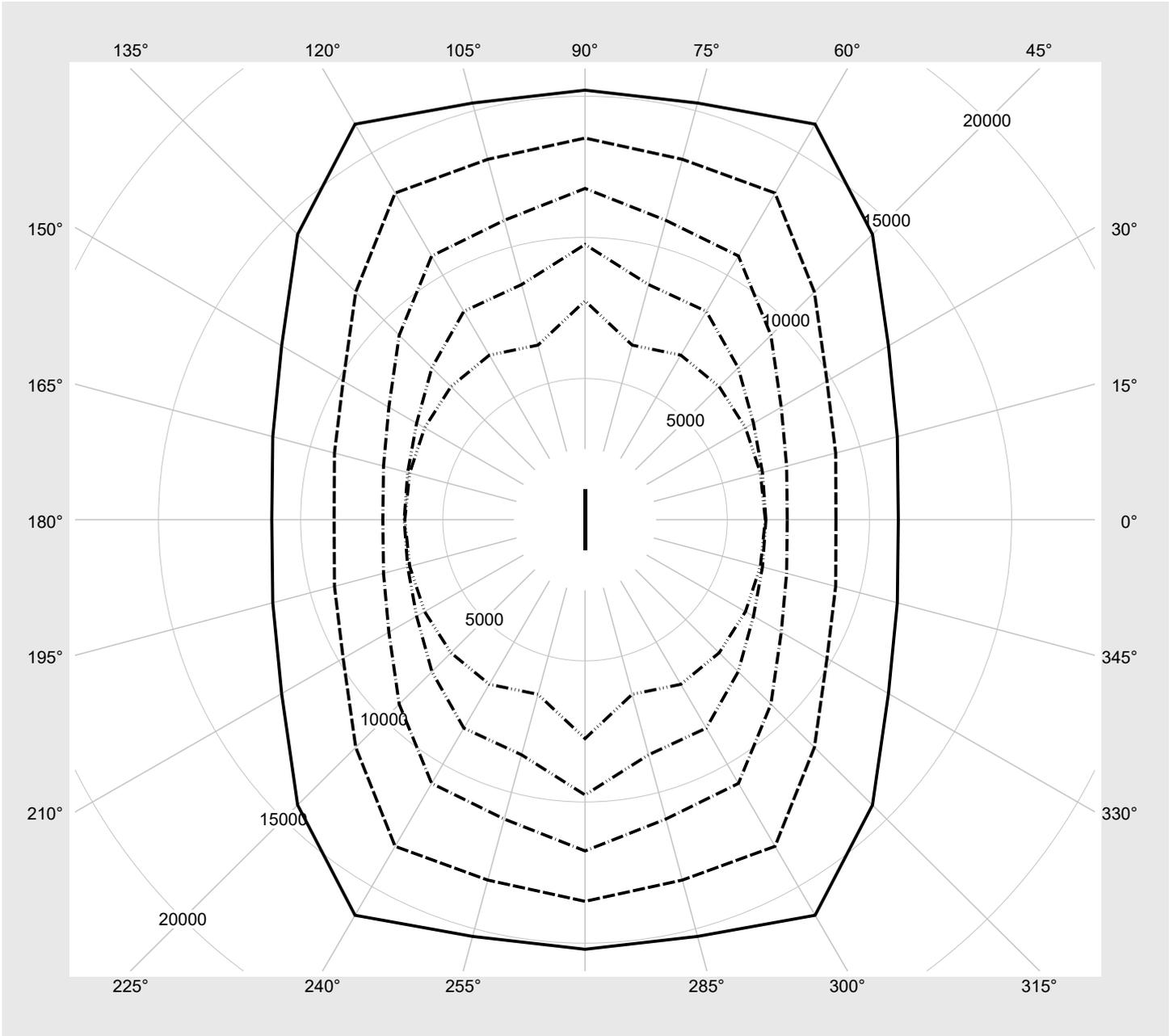
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1476	H(C0) = 25	H(C180) = 25
			B = 75	H(C90) = 0	H(C270) = 0

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°		22657.3	23251.9	23894.4	23498.1	21789.3	20488.3	20755.4	
50°		19675.8	20359.1	21760.0	22740.2	21544.3	19629.8	19678.5	
55°		16545.8	17153.6	18694.2	20656.1	20659.9	18555.5	18399.6	
60°		13593.1	14071.9	15369.7	17595.0	18785.7	17111.4	16878.0	
65°		11015.9	11368.6	12319.4	14293.2	16179.7	15281.8	15216.7	
70°		8823.5	9122.9	9823.6	11405.4	13361.3	13216.7	13519.1	
75°		7111.5	7338.3	7968.0	9243.1	10788.1	10978.7	11734.1	
80°		6360.9	6459.5	6839.1	7615.5	8524.6	8624.0	9750.3	
85°		6338.8	6384.4	6514.0	6667.9	6732.3	6403.7	7752.9	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	8970	49.9	60.5	55.2
2	A	C	F	8550	47.4	56.9	52.2
3	A	D	E	8040	44.3	53.4	48.8
4	A	D	F	7530	41.3	49.5	45.4
5	B	C	E	7080	38.8	46.5	42.6
6	B	C	F	6560	35.8	42.6	39.2
7	B	D	E	6030	32.8	39.1	36.0
8	B	D	F	5500	29.9	35.3	32.6