

Photometric test report

Family Modario® 31	Order number: 53BM812MV4CXD2 EAN: 4069025186072	LP number 59594_93
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	23.6	25.3	24.0	25.6	26.0	23.4	25.1	23.8	25.4	25.7
	3H	24.5	26.0	24.9	26.3	26.7	24.5	26.1	24.9	26.4	26.8
	4H	24.8	26.2	25.2	26.6	26.9	24.9	26.4	25.3	26.7	27.1
	6H	25.1	26.4	25.5	26.8	27.2	25.2	26.5	25.6	26.9	27.3
	8H	25.3	26.5	25.7	26.9	27.3	25.3	26.5	25.7	26.9	27.3
	12H	25.4	26.6	25.9	27.0	27.4	25.3	26.5	25.7	26.9	27.3
4H	2H	24.3	25.7	24.7	26.1	26.4	24.2	25.6	24.6	25.9	26.3
	3H	25.3	26.5	25.7	26.9	27.3	25.5	26.7	25.9	27.1	27.5
	4H	25.7	26.8	26.1	27.2	27.6	26.0	27.1	26.4	27.5	27.9
	6H	26.1	27.0	26.5	27.5	27.9	26.3	27.3	26.8	27.7	28.2
	8H	26.3	27.2	26.7	27.6	28.1	26.5	27.4	26.9	27.8	28.3
	12H	26.5	27.3	27.0	27.8	28.2	26.5	27.3	27.0	27.8	28.3
8H	4H	25.9	26.8	26.4	27.3	27.7	26.2	27.1	26.7	27.6	28.0
	6H	26.5	27.2	26.9	27.7	28.2	26.7	27.5	27.2	27.9	28.4
	8H	26.7	27.4	27.2	27.9	28.4	26.9	27.6	27.4	28.0	28.5
	12H	27.1	27.6	27.6	28.1	28.7	27.0	27.6	27.5	28.1	28.6
12H	4H	26.0	26.8	26.5	27.2	27.7	26.3	27.1	26.8	27.5	28.0
	6H	26.5	27.2	27.0	27.7	28.2	26.8	27.4	27.3	27.9	28.4
	8H	26.9	27.4	27.4	27.9	28.5	27.0	27.6	27.5	28.1	28.6

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°		31194.8	32013.5	32898.2	32352.4	29999.7	28208.5	28576.3	
50°		27089.9	28030.6	29959.4	31309.0	29662.4	27026.5	27093.5	
55°		22780.4	23617.3	25738.4	28439.6	28444.7	25547.4	25332.8	
60°		18715.2	19374.4	21161.2	24225.0	25864.3	23559.2	23237.9	
65°		15166.8	15652.4	16961.5	19679.1	22276.4	21040.2	20950.5	
70°		12148.4	12560.5	13525.2	15703.1	18396.0	18196.9	18613.3	
75°		9791.2	10103.5	10970.4	12726.0	14853.2	15115.6	16155.6	
80°		8757.8	8893.5	9416.2	10485.2	11736.8	11873.7	13424.3	
85°		8727.4	8790.1	8968.6	9180.4	9269.1	8816.7	10674.2	

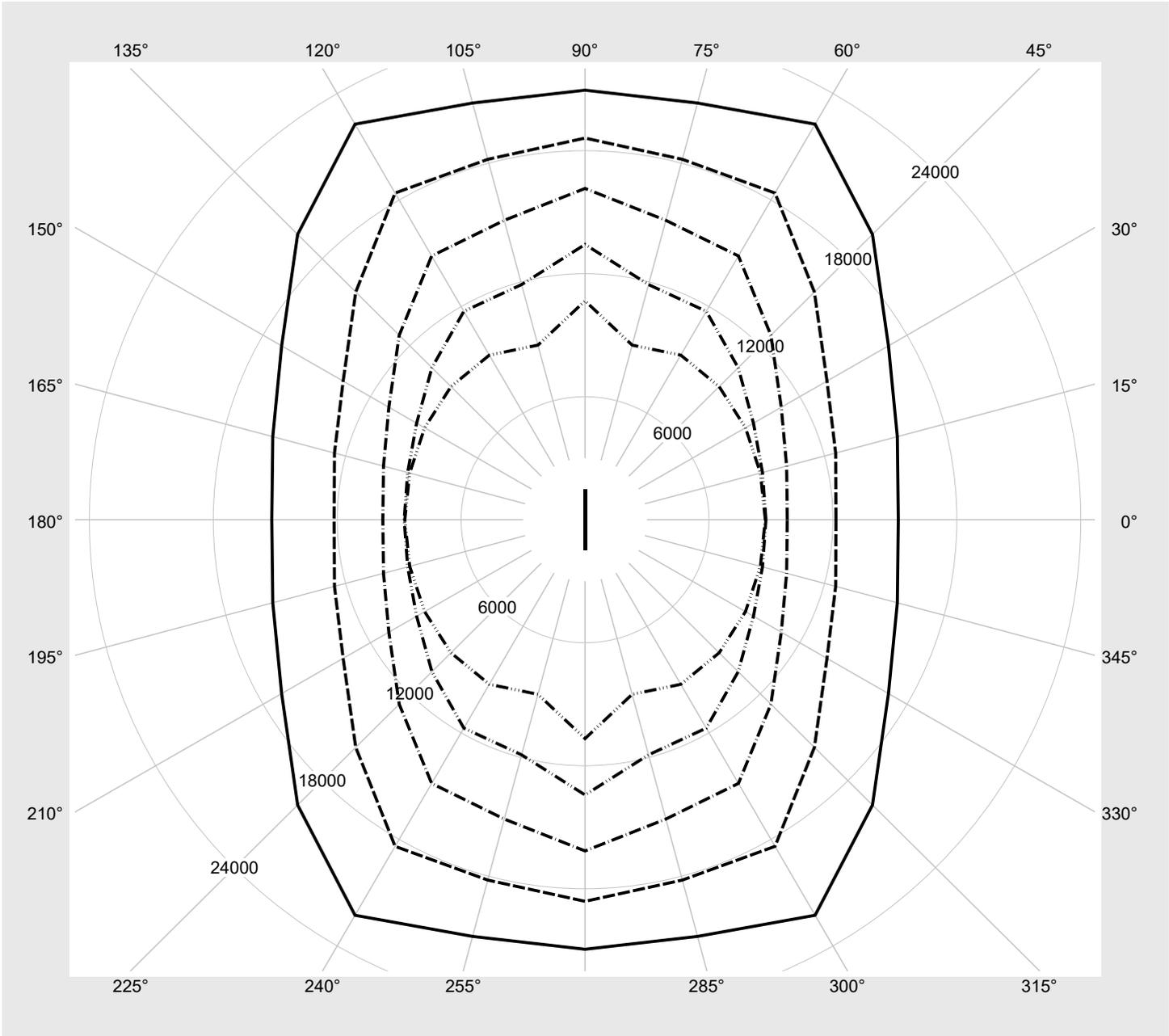
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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]
	1	2	3		
1	A	C	E	12350	64.6
2	A	C	F	11030	57.3
3	A	D	E	10100	52.2
4	A	D	F	9070	46.7
5	B	C	E	8030	41.2
6	B	C	F	7060	36.2
7	B	D	E	6000	30.9
8	B	D	F	5100	26.3