

Photometric test report

Family Modario® 31	Order number: 53BM812MV4FXD2 EAN: 4069025123244	LP number 59594_15
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	24.4	26.1	24.8	26.4	26.7	24.2	25.9	24.5	26.2	26.5
	3H	25.3	26.8	25.6	27.1	27.5	25.3	26.8	25.7	27.2	27.5
	4H	25.6	27.0	26.0	27.4	27.7	25.7	27.2	26.1	27.5	27.9
	6H	25.9	27.2	26.3	27.6	27.9	26.0	27.3	26.4	27.7	28.1
	8H	26.0	27.3	26.5	27.7	28.1	26.1	27.3	26.5	27.7	28.1
	12H	26.2	27.4	26.6	27.8	28.2	26.1	27.3	26.5	27.7	28.1
4H	2H	25.0	26.5	25.4	26.8	27.2	24.9	26.4	25.3	26.7	27.1
	3H	26.0	27.3	26.5	27.7	28.1	26.3	27.5	26.7	27.9	28.3
	4H	26.5	27.6	26.9	28.0	28.4	26.8	27.9	27.2	28.3	28.7
	6H	26.8	27.8	27.3	28.2	28.7	27.1	28.1	27.6	28.5	29.0
	8H	27.1	27.9	27.5	28.4	28.8	27.2	28.1	27.7	28.6	29.0
	12H	27.3	28.1	27.8	28.5	29.0	27.3	28.1	27.8	28.6	29.1
8H	4H	26.7	27.6	27.2	28.1	28.5	27.0	27.9	27.5	28.3	28.8
	6H	27.2	28.0	27.7	28.4	28.9	27.5	28.2	28.0	28.7	29.2
	8H	27.5	28.2	28.0	28.7	29.2	27.7	28.3	28.2	28.8	29.3
	12H	27.9	28.4	28.4	28.9	29.4	27.8	28.4	28.3	28.9	29.4
12H	4H	26.8	27.6	27.2	28.0	28.5	27.1	27.8	27.5	28.3	28.8
	6H	27.3	28.0	27.8	28.4	29.0	27.6	28.2	28.1	28.7	29.2
	8H	27.6	28.2	28.1	28.7	29.2	27.8	28.3	28.3	28.8	29.4

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°	38999.8	40023.3	41129.3	40447.1	37505.8	35266.4	35726.1	
	50°	33867.8	35043.9	37455.3	39142.6	37084.0	33788.6	33872.4	
	55°	28480.1	29526.4	32178.3	35555.2	35561.7	31939.5	31671.1	
	60°	23397.8	24221.9	26455.8	30286.1	32335.6	29453.8	29052.0	
	65°	18961.6	19568.7	21205.4	24602.9	27850.0	26304.5	26192.4	
	70°	15187.9	15703.2	16909.2	19632.1	22998.8	22749.9	23270.3	
	75°	12241.0	12631.4	13715.2	15910.1	18569.5	18897.5	20197.8	
	80°	10949.0	11118.7	11772.1	13108.6	14673.4	14844.5	16783.1	
	85°	10911.0	10989.4	11212.6	11477.4	11588.3	11022.7	13345.0	

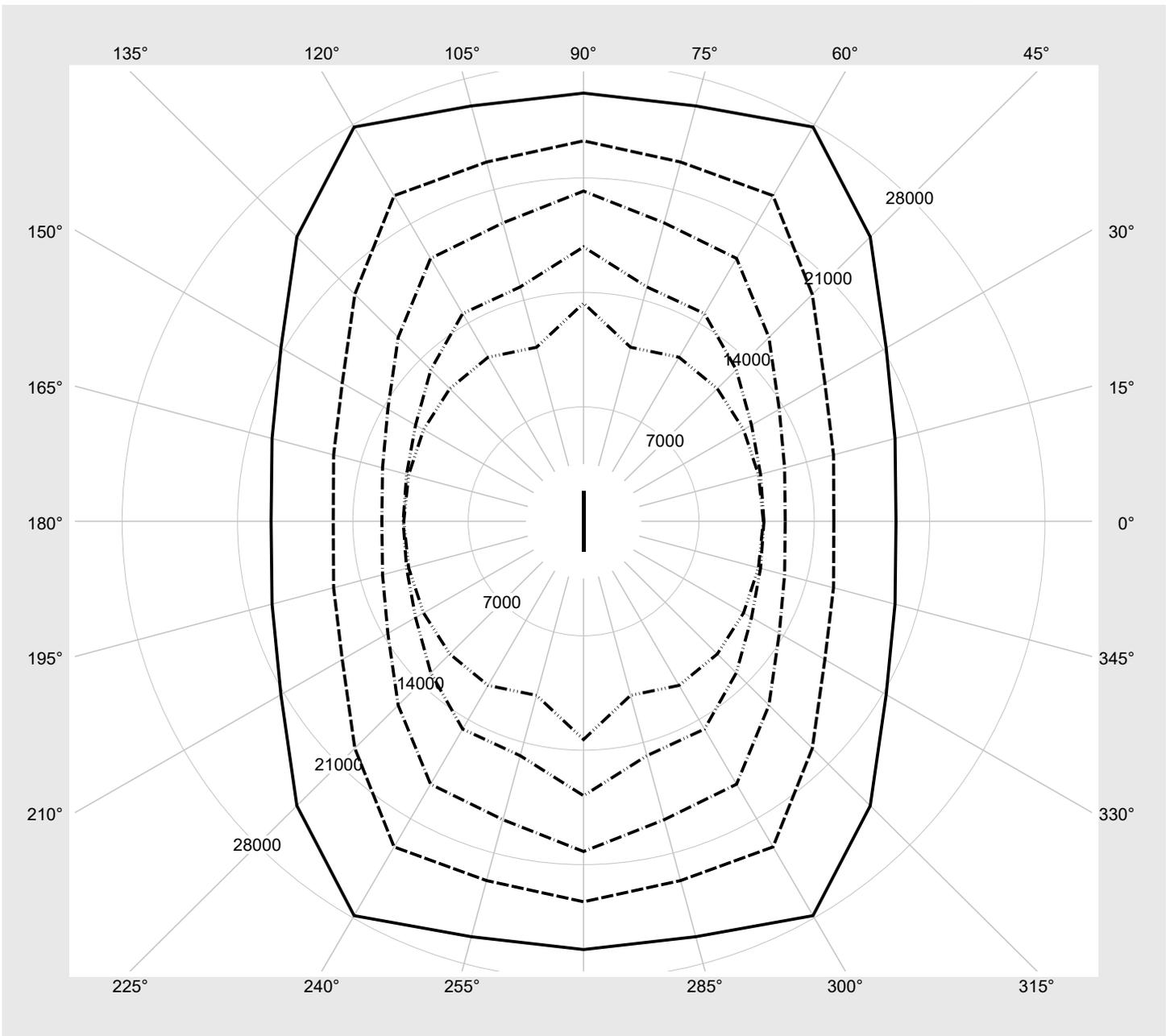
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Luminance values in cd/m²

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	15440	82.3
2	A	C	F	14550	77.2
3	A	D	E	13720	72.4
4	A	D	F	12960	68.1
5	B	C	E	12190	63.8
6	B	C	F	11420	59.5
7	B	D	E	10650	55.2
8	B	D	F	9860	51.0