

Photometric test report

Family Modario® 31	Order number: 53BM812M1V4085 EAN: 4058352421864	LP number 59062_2
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°	301.3	301.3	301.3	301.3	301.3	301.3	301.3	1.8	1.8
5°	303.4	302.1	299.8	300.7	301.4	300.9	301.0	14.4	16.2
10°	301.2	300.2	298.0	298.8	298.8	297.4	296.9	28.4	44.6
15°	294.6	294.0	291.7	292.8	293.3	291.0	289.8	41.5	86.1
20°	290.9	289.9	285.2	284.3	284.4	281.8	279.7	53.5	139.6
25°	292.2	290.5	282.4	276.3	273.3	269.6	266.6	64.5	204.1
30°	297.0	294.4	282.2	270.2	261.0	254.7	250.5	74.7	278.9
35°	298.1	296.1	282.7	264.8	248.2	237.3	231.4	83.5	362.4
40°	283.7	283.9	275.8	257.5	234.7	217.8	209.8	89.0	451.4
45°	251.1	253.7	254.1	243.4	219.0	195.8	185.6	89.4	540.8
50°	211.2	214.3	220.3	219.1	199.3	172.1	159.4	84.7	625.6
55°	171.8	174.4	181.0	185.6	174.0	146.8	132.6	75.9	701.4
60°	135.8	137.5	141.9	147.8	143.1	120.2	106.0	64.2	765.6
65°	104.0	105.0	107.3	111.5	110.8	93.7	80.9	51.4	817.0
70°	75.7	76.6	78.0	80.9	80.7	68.8	58.4	38.8	855.8
75°	54.8	55.1	55.5	57.1	55.6	46.5	38.4	27.9	883.8
80°	42.1	41.7	40.7	39.3	35.7	27.8	21.5	19.5	903.3
85°	34.4	33.7	31.6	27.6	21.5	14.0	8.7	13.6	916.9
90°	28.4	27.8	25.3	20.0	13.0	5.8	0.9	9.7	926.7
95°	25.4	25.0	23.0	18.3	11.9	5.4	1.0	8.8	935.5
100°	23.4	22.9	21.1	17.1	11.7	5.5	1.6	8.2	943.6
105°	21.5	21.0	19.3	16.3	11.6	5.9	2.4	7.6	951.2
110°	19.9	19.3	18.1	15.8	11.8	6.2	2.9	7.1	958.3
115°	18.9	18.3	17.5	15.6	12.1	6.6	3.0	6.7	965.0
120°	18.4	17.9	17.3	15.6	12.2	6.6	2.9	6.4	971.4
125°	18.2	17.7	17.1	15.5	11.8	6.5	2.7	5.9	977.3
130°	18.1	17.6	16.9	14.9	10.9	6.2	2.5	5.4	982.7
135°	17.9	17.2	16.1	13.6	9.8	5.6	2.4	4.7	987.4
140°	16.8	15.9	14.5	11.9	8.4	5.0	2.1	3.8	991.2
145°	14.9	14.0	12.6	10.1	6.8	4.5	2.0	3.0	994.1
150°	12.5	11.8	10.5	7.9	5.6	4.1	1.8	2.2	996.3
155°	10.2	9.6	8.3	6.3	5.0	3.7	1.7	1.5	997.8
160°	8.1	7.6	6.2	5.1	4.6	3.6	1.5	1.0	998.8
165°	6.4	6.1	4.7	4.5	4.0	4.8	1.5	0.7	999.5
170°	5.3	4.3	3.8	4.0	3.9	3.9	1.5	0.4	999.8
175°	3.8	3.2	4.6	4.9	4.0	2.2	1.5	0.2	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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	22.4	24.1	22.8	24.4	24.7	22.2	23.9	22.6	24.2	24.5
	3H	23.4	24.9	23.8	25.2	25.6	23.4	24.9	23.8	25.2	25.6
	4H	23.7	25.2	24.1	25.5	25.9	23.8	25.2	24.2	25.6	25.9
	6H	24.1	25.4	24.5	25.8	26.2	24.1	25.4	24.5	25.8	26.2
	8H	24.3	25.5	24.7	25.9	26.3	24.2	25.4	24.6	25.8	26.2
	12H	24.4	25.6	24.9	26.0	26.4	24.2	25.4	24.6	25.8	26.2
4H	2H	23.1	24.5	23.4	24.9	25.2	23.0	24.4	23.3	24.7	25.1
	3H	24.2	25.4	24.6	25.8	26.2	24.3	25.5	24.7	25.9	26.3
	4H	24.6	25.8	25.1	26.2	26.6	24.8	25.9	25.3	26.3	26.8
	6H	25.1	26.1	25.5	26.5	26.9	25.2	26.2	25.7	26.6	27.1
	8H	25.3	26.2	25.8	26.6	27.1	25.3	26.2	25.8	26.7	27.1
	12H	25.6	26.4	26.0	26.8	27.3	25.4	26.2	25.9	26.7	27.2
8H	4H	24.9	25.8	25.4	26.3	26.7	25.1	26.0	25.6	26.4	26.9
	6H	25.5	26.2	26.0	26.7	27.2	25.6	26.3	26.1	26.8	27.3
	8H	25.8	26.5	26.3	26.9	27.4	25.8	26.4	26.3	26.9	27.4
	12H	26.1	26.7	26.7	27.2	27.7	25.9	26.5	26.4	27.0	27.5
12H	4H	25.0	25.8	25.4	26.2	26.7	25.1	25.9	25.6	26.4	26.9
	6H	25.6	26.2	26.1	26.7	27.2	25.7	26.3	26.2	26.8	27.3
	8H	25.9	26.5	26.4	27.0	27.5	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°		21533.5	21940.4	22546.5	22517.5	21461.7	20607.8	21217.7	
50°		19015.2	19484.0	20614.9	21513.8	20912.2	19624.3	20047.4	
55°		16409.0	16839.2	18063.5	19577.9	19805.9	18420.9	18695.3	
60°		13920.7	14268.7	15300.9	16973.5	17956.3	16907.7	17136.9	
65°		11603.4	11887.9	12675.6	14169.1	15615.8	15125.5	15483.9	
70°		9334.7	9607.9	10283.1	11608.0	13092.5	13146.0	13815.6	
75°		7626.2	7816.1	8352.0	9481.1	10714.9	10981.4	12010.0	
80°		6776.8	6867.7	7194.3	7821.1	8555.2	8692.3	10030.7	
85°		6624.6	6679.5	6814.3	6918.2	6862.9	6549.7	8085.3	

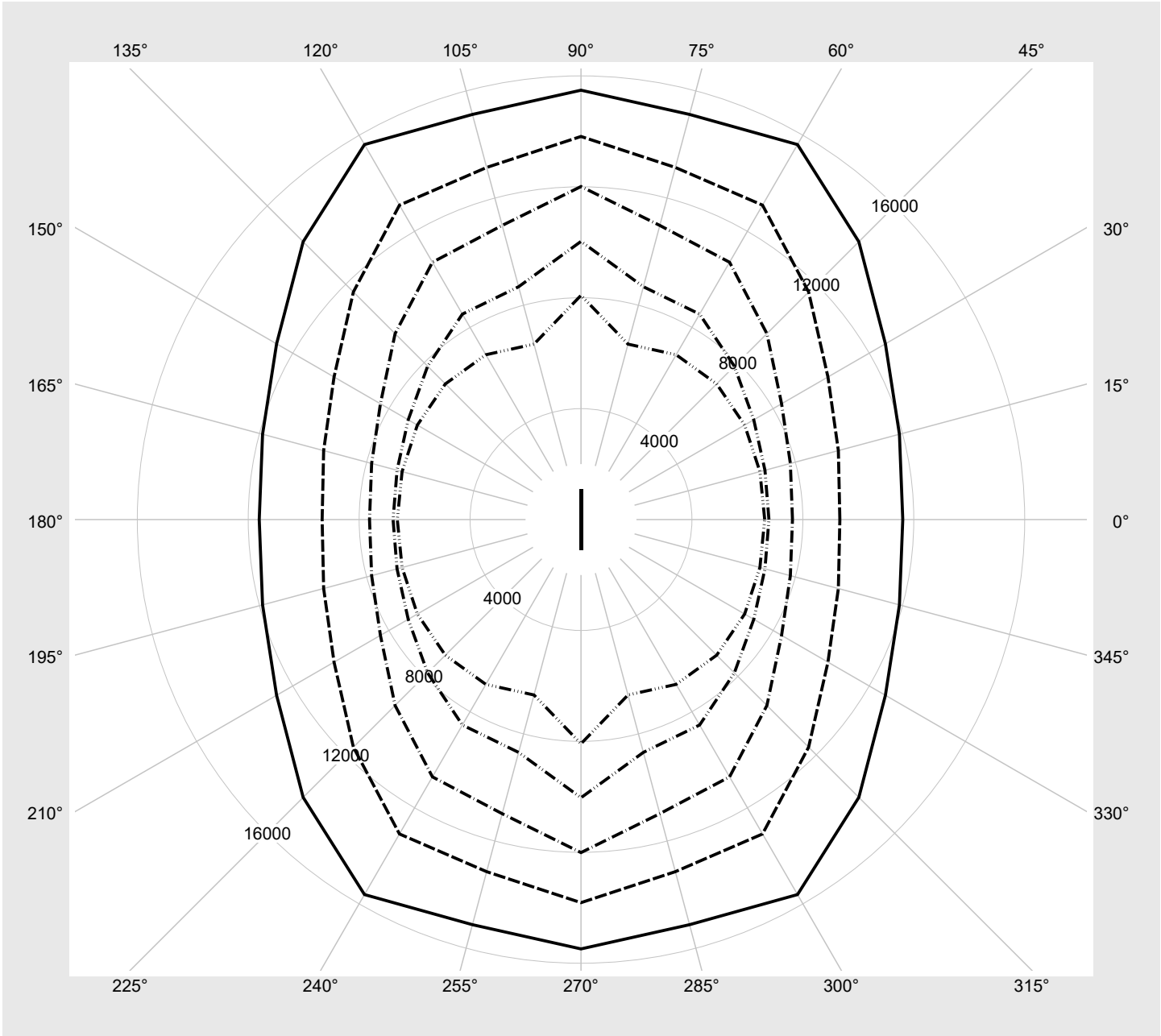
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Luminance values in cd/m²

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	8950	59.6
2	A	C	F	8050	52.3
3	A	D	E	7560	48.7
4	A	D	F	7050	44.6
5	B	C	E	6530	40.9
6	B	C	F	6060	37.6
7	B	D	E	5520	33.9
8	B	D	F	5040	29.6