



## Photometric test report

<b>Family</b> <b>Modario® 31</b>	<b>Order number: 53BM81271V4080</b> <b>EAN: 4058352425909</b>	<b>LP number</b> <b>59062_4</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	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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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	21.9	23.6	22.3	23.9	24.3	21.7	23.4	22.1	23.7	24.1
	3H	22.9	24.4	23.3	24.8	25.1	22.9	24.4	23.3	24.8	25.1
	4H	23.3	24.7	23.7	25.1	25.4	23.3	24.8	23.7	25.1	25.5
	6H	23.6	24.9	24.0	25.3	25.7	23.6	24.9	24.0	25.3	25.7
	8H	23.8	25.0	24.2	25.4	25.8	23.7	25.0	24.1	25.3	25.7
	12H	24.0	25.1	24.4	25.5	25.9	23.7	24.9	24.2	25.3	25.7
4H	2H	22.6	24.0	23.0	24.4	24.7	22.5	23.9	22.9	24.3	24.6
	3H	23.7	24.9	24.1	25.3	25.7	23.8	25.1	24.3	25.4	25.8
	4H	24.2	25.3	24.6	25.7	26.1	24.4	25.5	24.8	25.9	26.3
	6H	24.6	25.6	25.1	26.0	26.5	24.7	25.7	25.2	26.1	26.6
	8H	24.8	25.7	25.3	26.2	26.6	24.8	25.7	25.3	26.2	26.7
	12H	25.1	25.9	25.6	26.3	26.8	24.9	25.7	25.4	26.2	26.7
8H	4H	24.4	25.3	24.9	25.8	26.3	24.6	25.5	25.1	25.9	26.4
	6H	25.0	25.8	25.5	26.2	26.7	25.1	25.9	25.6	26.3	26.8
	8H	25.3	26.0	25.8	26.5	27.0	25.3	26.0	25.8	26.4	27.0
	12H	25.7	26.2	26.2	26.7	27.3	25.4	26.0	26.0	26.5	27.0
12H	4H	24.5	25.3	25.0	25.7	26.2	24.7	25.4	25.1	25.9	26.4
	6H	25.1	25.7	25.6	26.2	26.7	25.2	25.8	25.7	26.3	26.8
	8H	25.4	26.0	26.0	26.5	27.0	25.4	26.0	25.9	26.5	27.0

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

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	18790.7	19145.8	19674.6	19649.4	18728.0	17982.9	18515.1		
50°	16593.2	17002.3	17989.1	18773.5	18248.5	17124.7	17493.9		
55°	14318.9	14694.3	15762.7	17084.2	17283.1	16074.5	16314.0		
60°	12147.6	12451.3	13351.9	14811.5	15669.1	14754.1	14954.1		
65°	10125.4	10373.7	11061.1	12364.3	13626.8	13198.9	13511.6		
70°	8145.7	8384.1	8973.3	10129.4	11424.9	11471.5	12055.9		
75°	6654.8	6820.6	7288.2	8273.4	9350.1	9582.6	10480.2		
80°	5913.6	5992.9	6277.9	6824.9	7465.5	7585.2	8753.1		
85°	5780.8	5828.7	5946.3	6037.0	5988.8	5715.4	7055.4		

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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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