

Photometric test report

Family Monsun® 11	Order number: 51FP10DP4B0U EAN: 4069025242525	LP number 59015_7
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°	336.6	336.6	336.6	336.6	336.6	336.6	336.6	2.0	2.0
5°	335.2	335.1	333.2	334.3	335.7	335.7	336.1	16.0	18.0
10°	328.8	330.1	328.0	329.4	330.8	330.9	331.4	31.4	49.4
15°	319.0	321.3	319.3	320.8	322.3	322.7	323.3	45.6	95.0
20°	305.9	308.9	307.1	308.7	310.4	311.0	311.7	58.0	152.9
25°	289.8	293.4	291.5	293.1	295.0	295.9	296.7	68.0	221.0
30°	271.3	275.1	273.1	274.3	276.2	277.4	278.4	75.4	296.4
35°	250.7	254.3	252.4	252.9	254.4	255.5	256.6	79.8	376.2
40°	229.4	232.7	230.3	229.8	230.5	231.3	232.4	81.4	457.6
45°	207.6	210.4	207.6	205.2	204.9	204.7	206.0	80.1	537.6
50°	186.3	188.5	185.0	181.0	178.9	177.2	178.3	76.5	614.1
55°	165.3	166.9	162.7	157.6	153.3	149.9	150.2	71.0	685.1
60°	144.9	145.8	140.7	134.7	128.7	123.6	122.7	63.9	748.9
65°	125.5	125.6	119.9	112.7	105.4	99.0	96.8	55.8	804.7
70°	106.5	105.7	100.0	91.3	83.0	75.5	72.0	46.8	851.5
75°	87.5	86.0	80.8	71.2	61.8	53.7	49.1	37.2	888.7
80°	68.8	66.9	62.0	52.7	42.3	33.4	27.9	27.5	916.2
85°	52.2	50.3	45.3	36.7	26.2	16.7	10.8	18.8	935.0
90°	40.4	38.9	34.5	26.5	16.4	7.3	2.2	13.2	948.3
95°	34.1	32.8	29.3	22.8	14.2	5.7	1.9	11.2	959.5
100°	29.1	28.1	25.5	19.6	11.7	4.0	1.6	9.4	968.8
105°	25.0	24.3	21.6	16.3	9.2	2.6	1.4	7.7	976.5
110°	21.5	21.0	18.2	13.2	6.8	1.5	1.2	6.2	982.7
115°	18.5	17.9	15.1	10.5	4.8	1.3	1.2	4.9	987.6
120°	15.6	14.8	12.2	7.9	3.1	1.3	1.1	3.8	991.4
125°	12.7	11.9	9.4	5.6	1.7	1.1	1.0	2.7	994.1
130°	9.8	9.0	6.8	3.5	1.4	1.1	1.0	1.9	996.0
135°	7.0	6.3	4.4	1.9	1.4	1.1	1.0	1.2	997.3
140°	4.5	3.9	2.4	1.7	1.3	1.1	1.0	0.8	998.1
145°	2.3	2.1	1.9	1.6	1.4	1.2	1.2	0.5	998.6
150°	1.9	1.9	1.8	1.5	1.4	1.3	1.2	0.4	999.0
155°	1.8	1.7	1.6	1.5	1.4	1.3	1.3	0.3	999.3
160°	1.6	1.6	1.5	1.4	1.3	1.3	1.3	0.3	999.6
165°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.2	999.8
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	1000.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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	24.9	22.5	24.2	22.8	24.5	24.8
	3H	24.3	25.9	24.7	26.2	26.5	23.9	25.4	24.2	25.8	26.1
	4H	25.1	26.6	25.5	26.9	27.3	24.4	25.9	24.8	26.2	26.6
	6H	25.9	27.2	26.3	27.6	28.0	24.8	26.2	25.2	26.5	26.9
	8H	26.3	27.5	26.7	27.9	28.3	24.9	26.2	25.4	26.6	27.0
	12H	26.6	27.8	27.0	28.1	28.6	25.0	26.2	25.4	26.6	27.0
4H	2H	23.2	24.7	23.6	25.1	25.4	23.2	24.6	23.6	25.0	25.4
	3H	25.2	26.5	25.6	26.9	27.3	24.8	26.0	25.2	26.4	26.8
	4H	26.2	27.3	26.6	27.7	28.2	25.5	26.6	25.9	27.0	27.4
	6H	27.1	28.1	27.6	28.5	29.0	26.0	27.0	26.4	27.4	27.8
	8H	27.5	28.4	28.0	28.9	29.3	26.1	27.0	26.6	27.5	28.0
	12H	27.9	28.7	28.4	29.2	29.7	26.2	27.1	26.7	27.5	28.0
8H	4H	26.5	27.5	27.0	27.9	28.4	25.9	26.8	26.3	27.2	27.7
	6H	27.6	28.4	28.1	28.9	29.3	26.5	27.3	27.0	27.8	28.3
	8H	28.1	28.8	28.6	29.3	29.8	26.8	27.5	27.3	27.9	28.4
	12H	28.7	29.3	29.2	29.8	30.3	26.9	27.5	27.4	28.0	28.6
12H	4H	26.6	27.4	27.1	27.9	28.3	26.0	26.8	26.5	27.3	27.7
	6H	27.7	28.4	28.2	28.9	29.4	26.7	27.4	27.2	27.8	28.4
	8H	28.3	28.9	28.8	29.4	29.9	27.0	27.6	27.5	28.1	28.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1590	H(C0) = 21	H(C180) = 21
			B = 87	H(C90) = 21	H(C270) = 21

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°	20702.8	21063.1	21146.4	21527.9	22404.7	23570.4	25171.3	
	50°	19705.1	20022.3	20044.0	20296.0	21045.2	22143.6	23907.6	
	55°	18762.0	19041.2	18981.3	19131.9	19688.1	20655.0	22504.9	
	60°	17884.4	18109.9	17939.4	17973.0	18343.6	19152.3	21004.3	
	65°	17130.2	17256.8	16987.6	16841.6	17006.5	17664.4	19494.1	
	70°	16390.1	16403.5	16067.3	15631.2	15595.5	16017.3	17795.1	
	75°	15569.5	15457.7	15134.5	14405.1	14004.6	14176.4	15816.7	
	80°	14649.9	14412.0	14063.0	13155.8	12188.0	11802.8	13103.8	
	85°	13938.8	13640.6	13121.5	12050.0	10494.2	9043.9	9450.6	

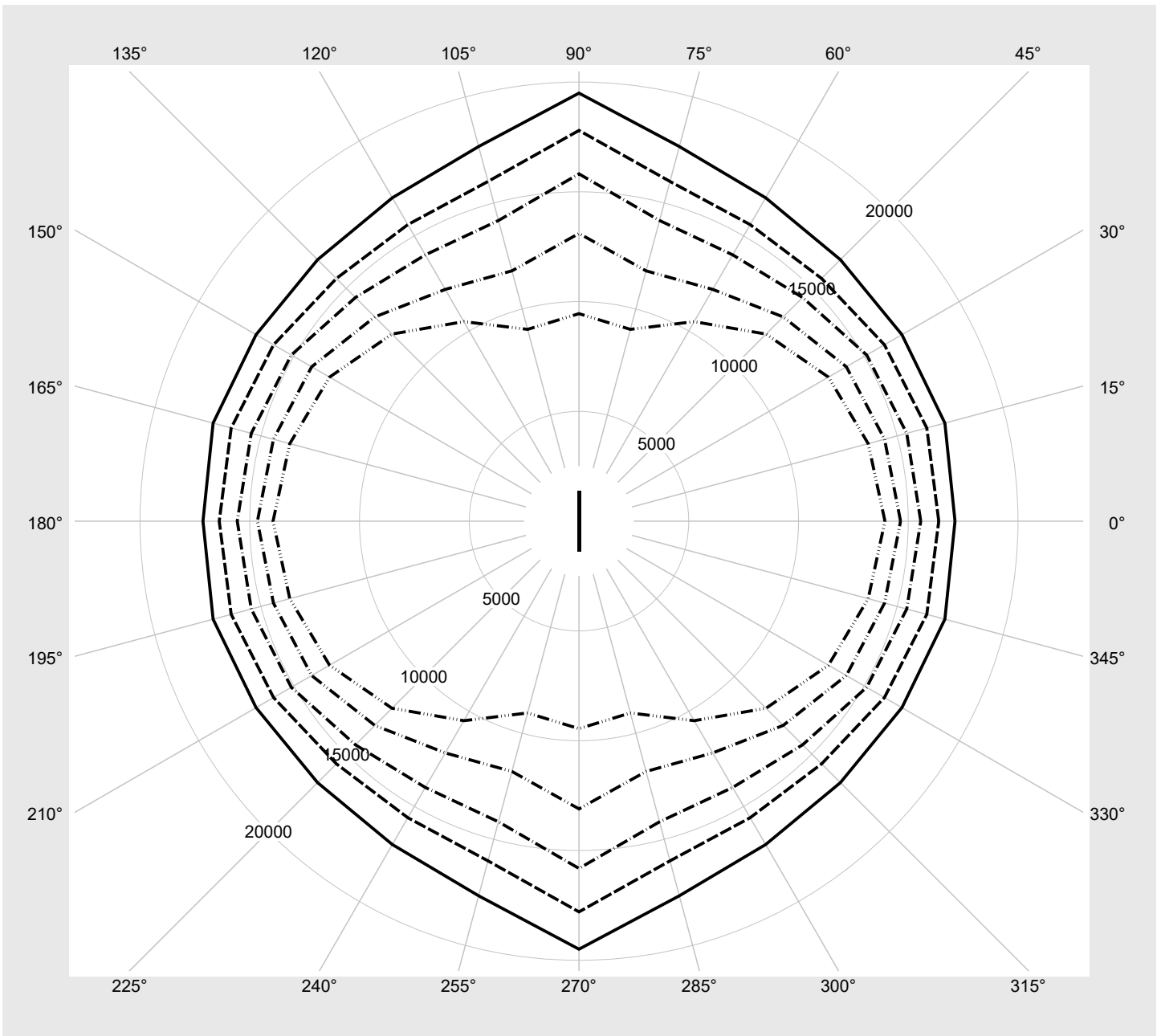
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Family
Monsun® 11

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



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	12110	63.7
95	240	252	11485	60.2
90	227	250	10902	56.9
85	214	248	10312	53.6
80	200	245	9676	50.1
75	187	243	9077	46.8
70	174	240	8478	43.5
65	161	237	7874	40.4
60	148	234	7264	37.2
55	135	231	6649	34.1
50	123	227	6079	31.1
45	110	223	5454	28.0
40	97	219	4825	24.9
35	85	214	4240	21.9
30	73	208	3651	19.0
25	60	201	3007	15.8
20	48	193	2405	12.9
15	36	182	1800	9.9
10	24	168	1189	6.7
5	13	145	627	3.8
2	5	110	214	1.5