

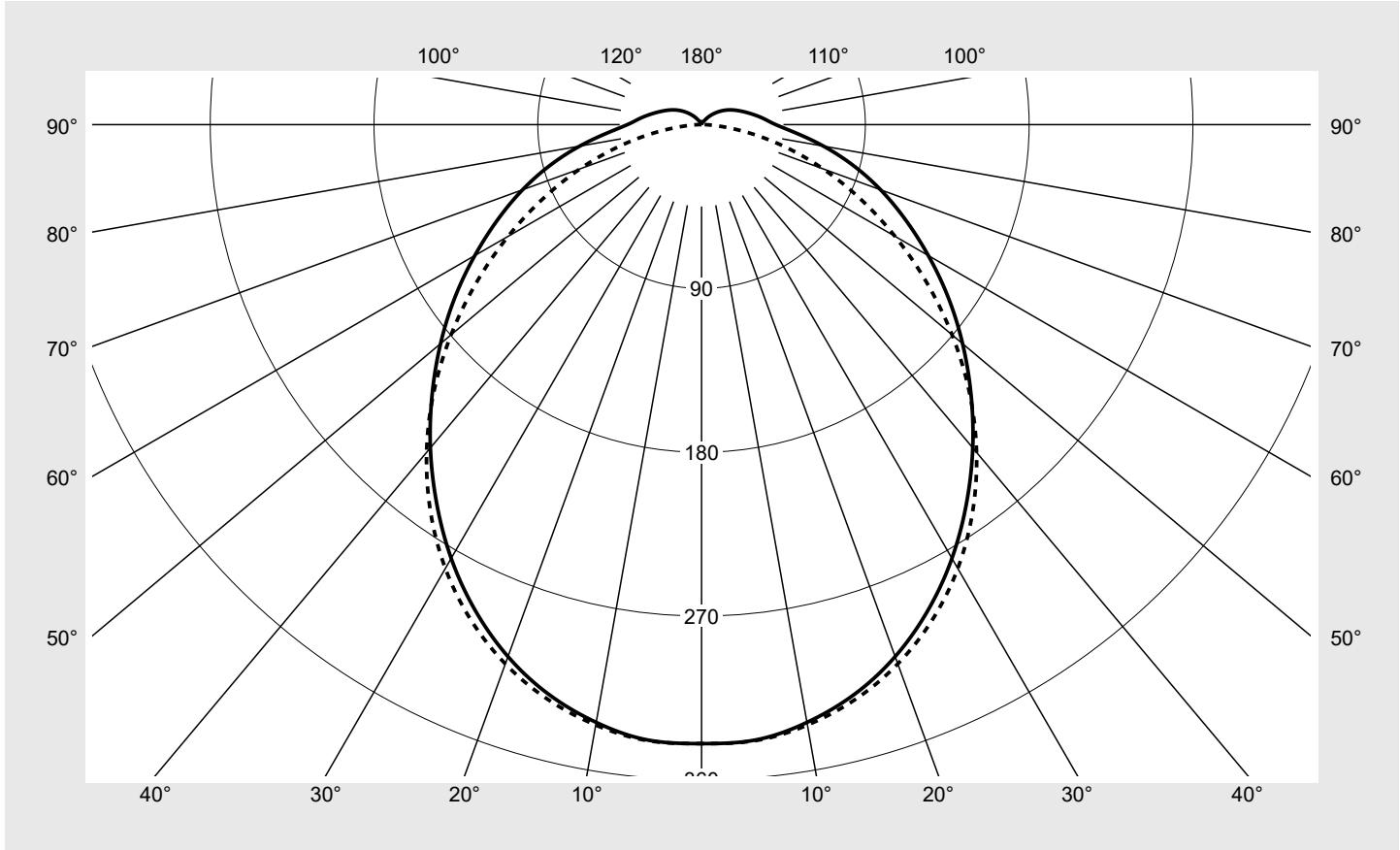


Photometric test report

Family Monsun® 21	Order number: 51FB10MP680C EAN: 4069025178220	LP number 58939_251
	Version prismatic diffuser, opal, PMMA, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 8200 lm Power consumption = 46.9 W Luminous efficacy = 174.8 lm/W	serial documentation 06.02.2026
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 340 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=47 N2=77 N3=93 N4=94 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	94.2%
ϕ_o	5.8%

Measurement conditions
 DIN EN 13032 and DIN 5032

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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°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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	21.1	22.8	21.5	23.1	23.5	21.1	22.8	21.5	23.1	23.4
	3H	22.9	24.4	23.2	24.7	25.1	22.5	24.0	22.9	24.4	24.7
	4H	23.7	25.1	24.1	25.5	25.9	23.0	24.5	23.4	24.8	25.2
	6H	24.4	25.8	24.9	26.2	26.5	23.4	24.7	23.8	25.1	25.5
	8H	24.8	26.1	25.2	26.4	26.8	23.5	24.8	23.9	25.2	25.6
	12H	25.1	26.3	25.6	26.7	27.1	23.6	24.8	24.0	25.2	25.6
4H	2H	21.8	23.3	22.2	23.6	24.0	21.8	23.3	22.2	23.6	24.0
	3H	23.8	25.0	24.2	25.4	25.8	23.4	24.6	23.8	25.0	25.4
	4H	24.7	25.9	25.2	26.3	26.7	24.0	25.2	24.5	25.6	26.0
	6H	25.6	26.6	26.1	27.1	27.5	24.5	25.5	25.0	25.9	26.4
	8H	26.1	27.0	26.5	27.4	27.9	24.7	25.6	25.1	26.0	26.5
	12H	26.5	27.3	27.0	27.7	28.2	24.8	25.6	25.2	26.0	26.5
8H	4H	25.0	26.0	25.5	26.4	26.9	24.4	25.4	24.9	25.8	26.3
	6H	26.1	26.9	26.6	27.4	27.9	25.1	25.8	25.5	26.3	26.8
	8H	26.7	27.4	27.2	27.8	28.3	25.3	26.0	25.8	26.4	27.0
	12H	27.2	27.8	27.7	28.3	28.8	25.4	26.0	25.9	26.5	27.0
12H	4H	25.1	25.9	25.6	26.4	26.9	24.5	25.3	25.0	25.8	26.3
	6H	26.2	26.9	26.7	27.4	27.9	25.2	25.9	25.7	26.4	26.9
	8H	26.8	27.4	27.3	27.9	28.4	25.5	26.1	26.0	26.6	27.1

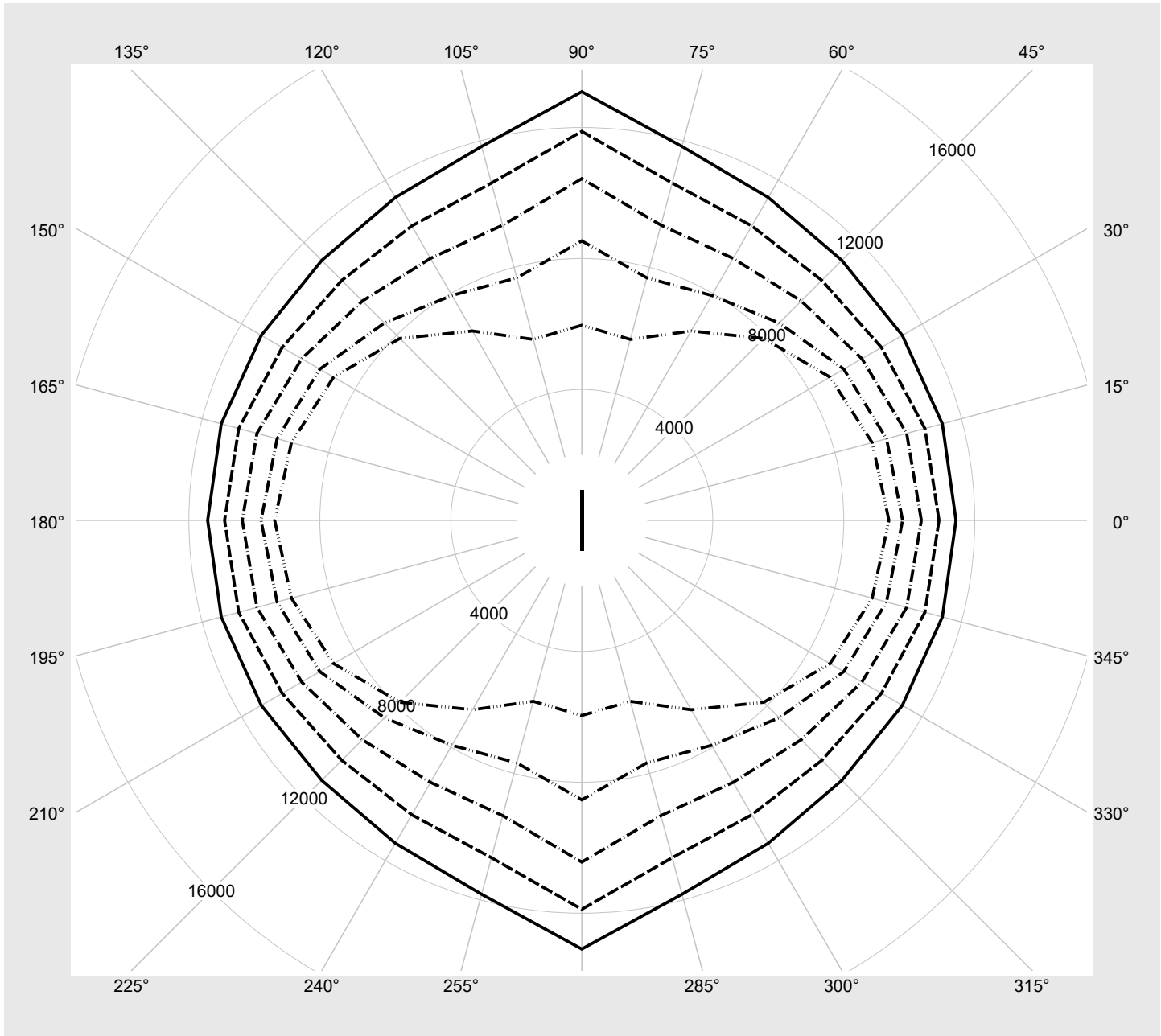
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1590	H(C0) = 21	H(C180) = 21
			B = 87	H(C90) = 21	H(C270) = 21

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°		14139.2	14226.8	14330.9	14630.5	15262.0	16107.3	17224.7	
50°		13410.1	13459.8	13560.4	13767.3	14287.9	15090.6	16315.0	
55°		12716.0	12730.8	12808.8	12909.7	13312.1	14013.6	15303.8	
60°		12030.0	12019.9	12040.8	12079.0	12344.3	12923.5	14225.0	
65°		11426.9	11399.4	11303.0	11231.3	11389.0	11824.9	13095.1	
70°		10909.1	10847.5	10566.0	10366.4	10384.9	10667.9	11881.3	
75°		10369.2	10271.3	9877.3	9476.6	9241.6	9336.9	10438.2	
80°		9797.0	9634.4	9239.5	8527.3	7933.4	7669.4	8536.0	
85°		9379.5	9180.9	8751.6	7858.6	6680.0	5723.8	5961.4	

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



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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	8200	46.9
2	A	C	F	7430	42.1
3	A	D	E	6860	38.7
4	A	D	F	6200	34.9
5	B	C	E	5620	31.6
6	B	C	F	5030	28.2
7	B	D	E	4430	24.9
8	B	D	F	3890	21.9