
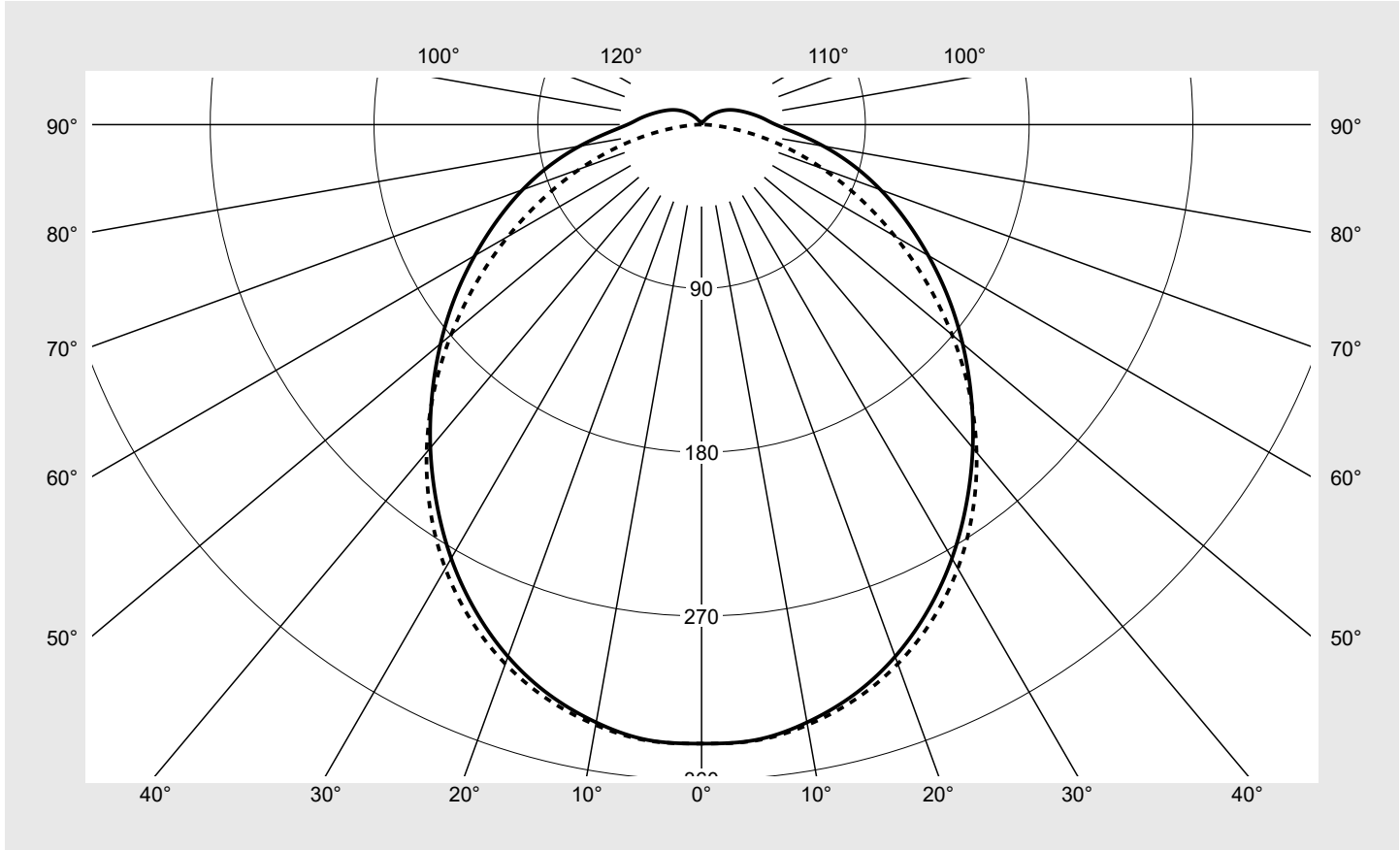


Photometric test report

Family Monsun® 12	Order number: 51FE10MP480R EAN: 4058352539545	LP number 58939_88
	Version prismatic diffuser, opal, PMMA, wide distribution	serial documentation 10.06.2022
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG	Rated values Net luminous flux = 8000 lm Power consumption = 43.2 W Luminous efficacy = 185.2 lm/W
	Controlgear ECG	



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

Photometric test report

Family Monsun® 12	Order number: 51FE10MP480R EAN: 4058352539545	LP number 58939_88
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

Photometric test report

Family Monsun® 12	Order number: 51FE10MP480R EAN: 4058352539545	LP number 58939_88
-----------------------------	--	------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	21.0	22.7	21.4	23.1	23.4	21.0	22.7	21.4	23.0	23.4
	3H	22.8	24.3	23.2	24.7	25.0	22.4	24.0	22.8	24.3	24.6
	4H	23.6	25.1	24.0	25.4	25.8	22.9	24.4	23.3	24.7	25.1
	6H	24.4	25.7	24.8	26.1	26.5	23.3	24.6	23.7	25.0	25.4
	8H	24.7	26.0	25.1	26.4	26.8	23.4	24.7	23.8	25.1	25.5
	12H	25.0	26.2	25.5	26.6	27.0	23.5	24.7	23.9	25.1	25.5
4H	2H	21.7	23.2	22.1	23.5	23.9	21.7	23.2	22.1	23.5	23.9
	3H	23.7	24.9	24.1	25.3	25.7	23.3	24.5	23.7	24.9	25.3
	4H	24.6	25.8	25.1	26.2	26.6	23.9	25.1	24.4	25.5	25.9
	6H	25.6	26.5	26.0	27.0	27.4	24.4	25.4	24.9	25.8	26.3
	8H	26.0	26.9	26.4	27.3	27.8	24.6	25.5	25.0	25.9	26.4
	12H	26.4	27.2	26.9	27.7	28.1	24.7	25.5	25.1	26.0	26.4
8H	4H	25.0	25.9	25.4	26.3	26.8	24.4	25.3	24.8	25.7	26.2
	6H	26.0	26.8	26.5	27.3	27.8	25.0	25.7	25.5	26.2	26.7
	8H	26.6	27.3	27.1	27.8	28.3	25.2	25.9	25.7	26.4	26.9
	12H	27.1	27.7	27.6	28.2	28.7	25.3	25.9	25.9	26.4	27.0
12H	4H	25.0	25.8	25.5	26.3	26.8	24.5	25.3	24.9	25.7	26.2
	6H	26.1	26.8	26.6	27.3	27.8	25.1	25.8	25.6	26.3	26.8
	8H	26.7	27.3	27.2	27.8	28.3	25.4	26.0	25.9	26.5	27.0

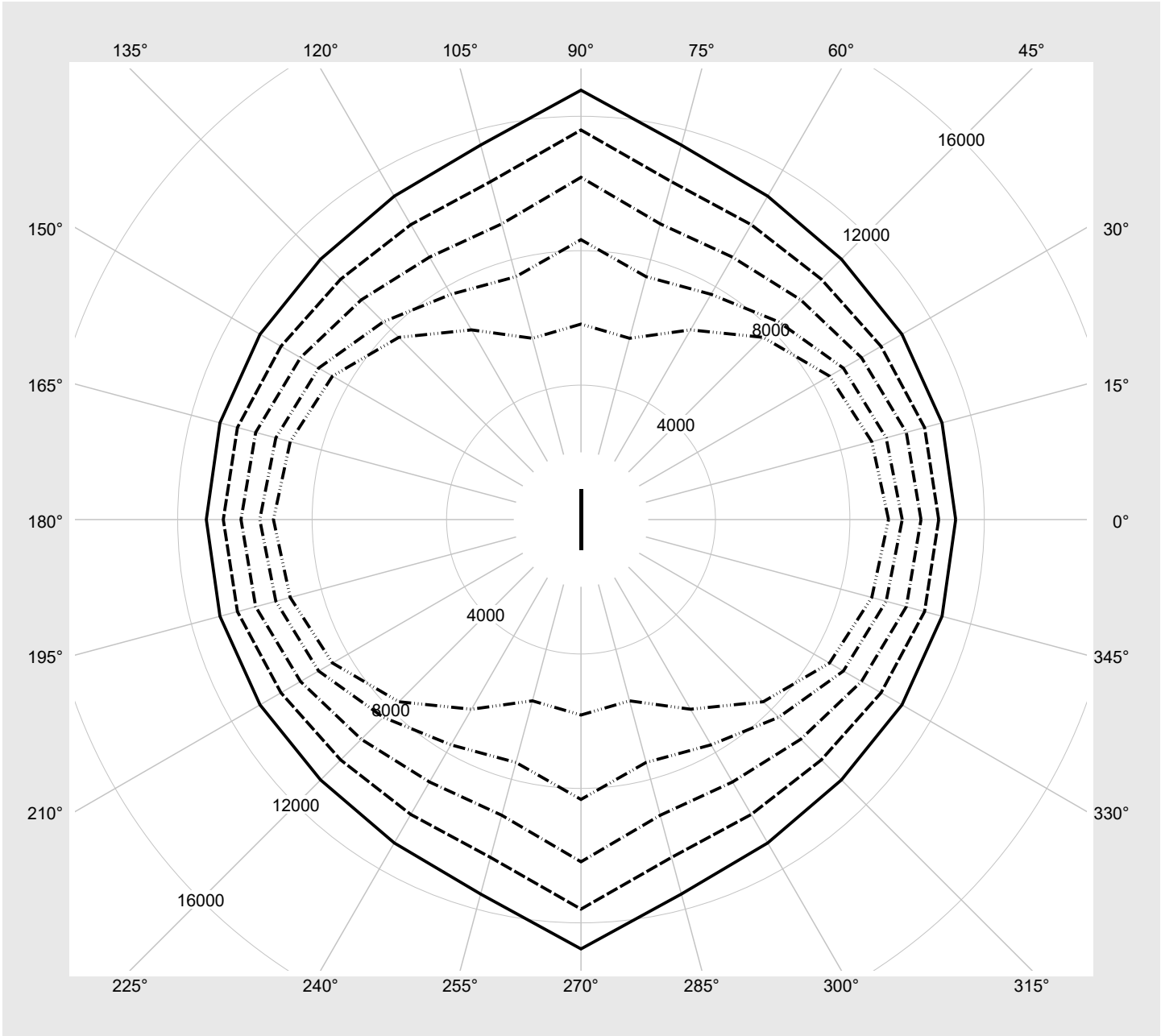
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1590	H(C0) = 21	H(C180) = 21
			B = 87	H(C90) = 21	H(C270) = 21

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°		13794.3	13879.8	13981.3	14273.7	14889.8	15714.4	16804.6	
50°		13083.0	13131.5	13229.6	13431.5	13939.4	14722.5	15917.0	
55°		12405.8	12420.3	12496.3	12594.8	12987.4	13671.8	14930.5	
60°		11736.6	11726.7	11747.1	11784.4	12043.2	12608.3	13878.0	
65°		11148.2	11121.4	11027.3	10957.3	11111.2	11536.5	12775.7	
70°		10643.0	10582.9	10308.3	10113.6	10131.6	10407.7	11591.5	
75°		10116.3	10020.8	9636.4	9245.5	9016.2	9109.2	10183.6	
80°		9558.1	9399.4	9014.2	8319.3	7739.9	7482.4	8327.8	
85°		9150.7	8957.0	8538.2	7667.0	6517.1	5584.2	5816.0	

Photometric test report

Family Monsun® 12	Order number: 51FE10MP480R EAN: 4058352539545	LP number 58939_88
------------------------------------	--	-------------------------------------

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



Photometric test report

Family Monsun® 12	Order number: 51FE10MP480R EAN: 4058352539545	LP number 58939_88
-----------------------------	--	------------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8000	43.2
2	A	C	F	7440	40.2
3	A	D	E	6760	36.4
4	A	D	F	6260	33.9
5	B	C	E	5720	30.9
6	B	C	F	5240	28.4
7	B	D	E	4760	26.0
8	B	D	F	4220	23.1