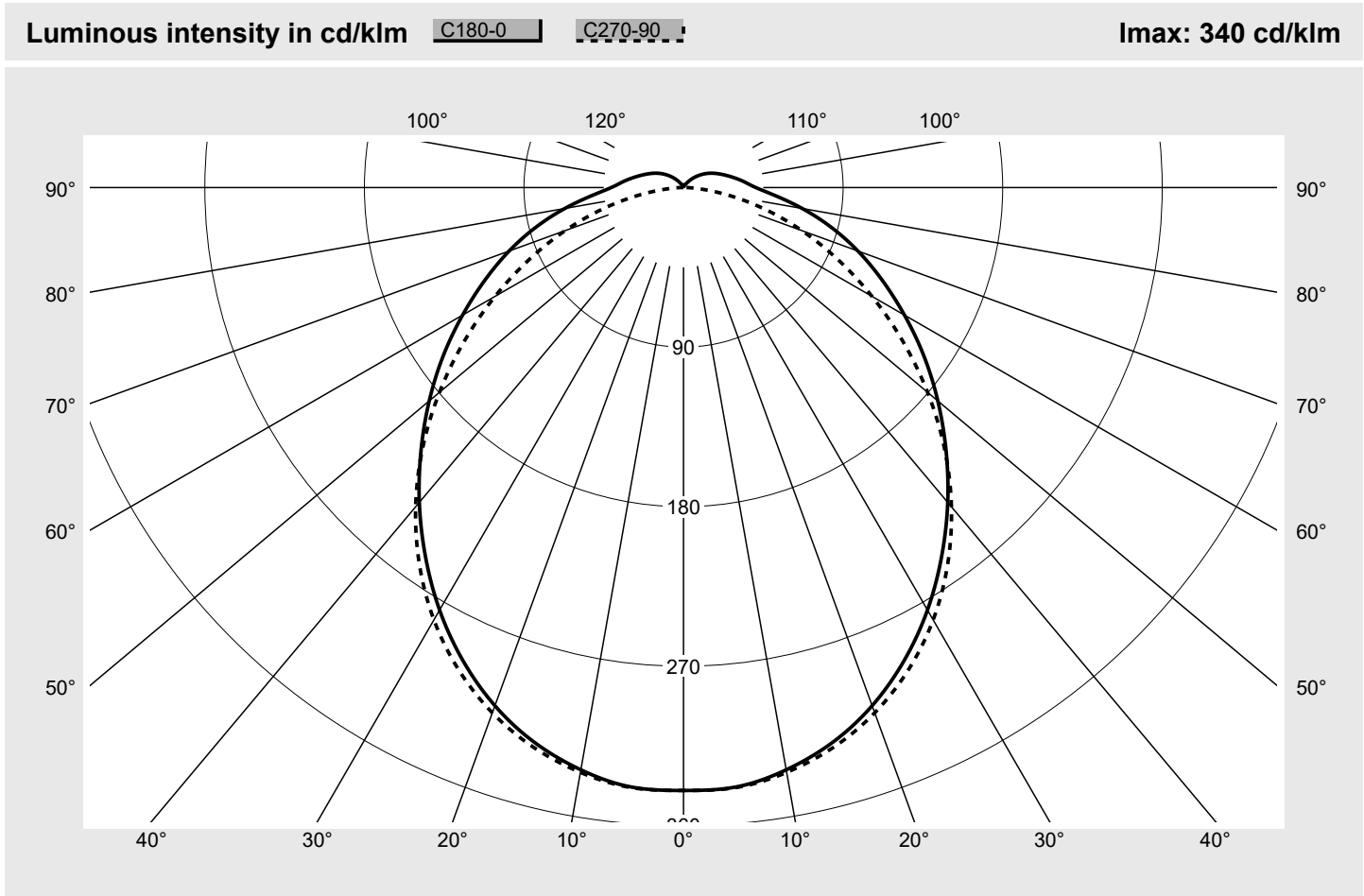


Photometric test report

Family Monsun® 21	Order number: 51FB10MP480C EAN: 4069025178206	LP number 58939_129
	Version	prismatic diffuser, opal, PMMA, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Rated values	Net luminous flux = 8550 lm Power consumption = 45.6 W Luminous efficacy = 187.5 lm/W
		serial documentation 08.05.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=77 N3=93	ϕ_u	94.2%
	N4=94 N5=100	ϕ_o	5.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB10MP480C EAN: 4069025178206	LP number 58939_129
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	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® 21	Order number: 51FB10MP480C EAN: 4069025178206	LP number 58939_129
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	21.3	23.0	21.6	23.3	23.6	21.3	23.0	21.6	23.3	23.6
	3H	23.0	24.6	23.4	24.9	25.2	22.6	24.2	23.0	24.5	24.9
	4H	23.8	25.3	24.2	25.6	26.0	23.2	24.6	23.6	25.0	25.3
	6H	24.6	25.9	25.0	26.3	26.7	23.5	24.9	23.9	25.2	25.6
	8H	25.0	26.2	25.4	26.6	27.0	23.7	24.9	24.1	25.3	25.7
	12H	25.3	26.5	25.7	26.8	27.3	23.7	24.9	24.1	25.3	25.7
4H	2H	22.0	23.4	22.4	23.8	24.2	22.0	23.4	22.4	23.8	24.1
	3H	23.9	25.2	24.3	25.5	25.9	23.5	24.8	24.0	25.2	25.6
	4H	24.9	26.0	25.3	26.4	26.8	24.2	25.3	24.6	25.7	26.1
	6H	25.8	26.8	26.2	27.2	27.7	24.6	25.7	25.1	26.1	26.5
	8H	26.2	27.1	26.7	27.6	28.0	24.8	25.7	25.3	26.2	26.6
	12H	26.6	27.4	27.1	27.9	28.4	24.9	25.7	25.4	26.2	26.7
8H	4H	25.2	26.1	25.7	26.6	27.0	24.6	25.5	25.1	25.9	26.4
	6H	26.3	27.0	26.8	27.5	28.0	25.2	26.0	25.7	26.4	26.9
	8H	26.8	27.5	27.3	28.0	28.5	25.4	26.1	25.9	26.6	27.1
	12H	27.4	28.0	27.9	28.4	29.0	25.6	26.2	26.1	26.7	27.2
12H	4H	25.2	26.1	25.7	26.5	27.0	24.7	25.5	25.2	26.0	26.4
	6H	26.4	27.0	26.9	27.5	28.0	25.4	26.0	25.9	26.5	27.0
	8H	27.0	27.6	27.5	28.0	28.6	25.6	26.2	26.1	26.7	27.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:	L = 1590 B = 87	H(C0) = 21 H(C90) = 21	H(C180) = 21 H(C270) = 21
C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	14742.7	14834.1	14942.5	15255.0	15913.4	16794.8	17959.9
50°	13982.4	14034.3	14139.2	14354.9	14897.7	15734.7	17011.3
55°	13258.7	13274.2	13355.5	13460.7	13880.3	14611.7	15957.0
60°	12543.5	12532.9	12554.7	12594.6	12871.1	13475.2	14832.1
65°	11914.6	11886.0	11785.4	11710.7	11875.1	12329.6	13654.0
70°	11374.8	11310.5	11017.0	10808.9	10828.1	11123.2	12388.4
75°	10811.8	10709.7	10298.9	9881.1	9636.0	9735.4	10883.7
80°	10215.2	10045.6	9633.9	8891.2	8272.0	7996.8	8900.3
85°	9779.8	9572.8	9125.2	8194.1	6965.1	5968.1	6215.8

Photometric test report

Family
Monsun® 21

Order number: 51FB10MP480C
EAN: 4069025178206

LP number
58939_129

Luminance values in cd/m²

γ 65°

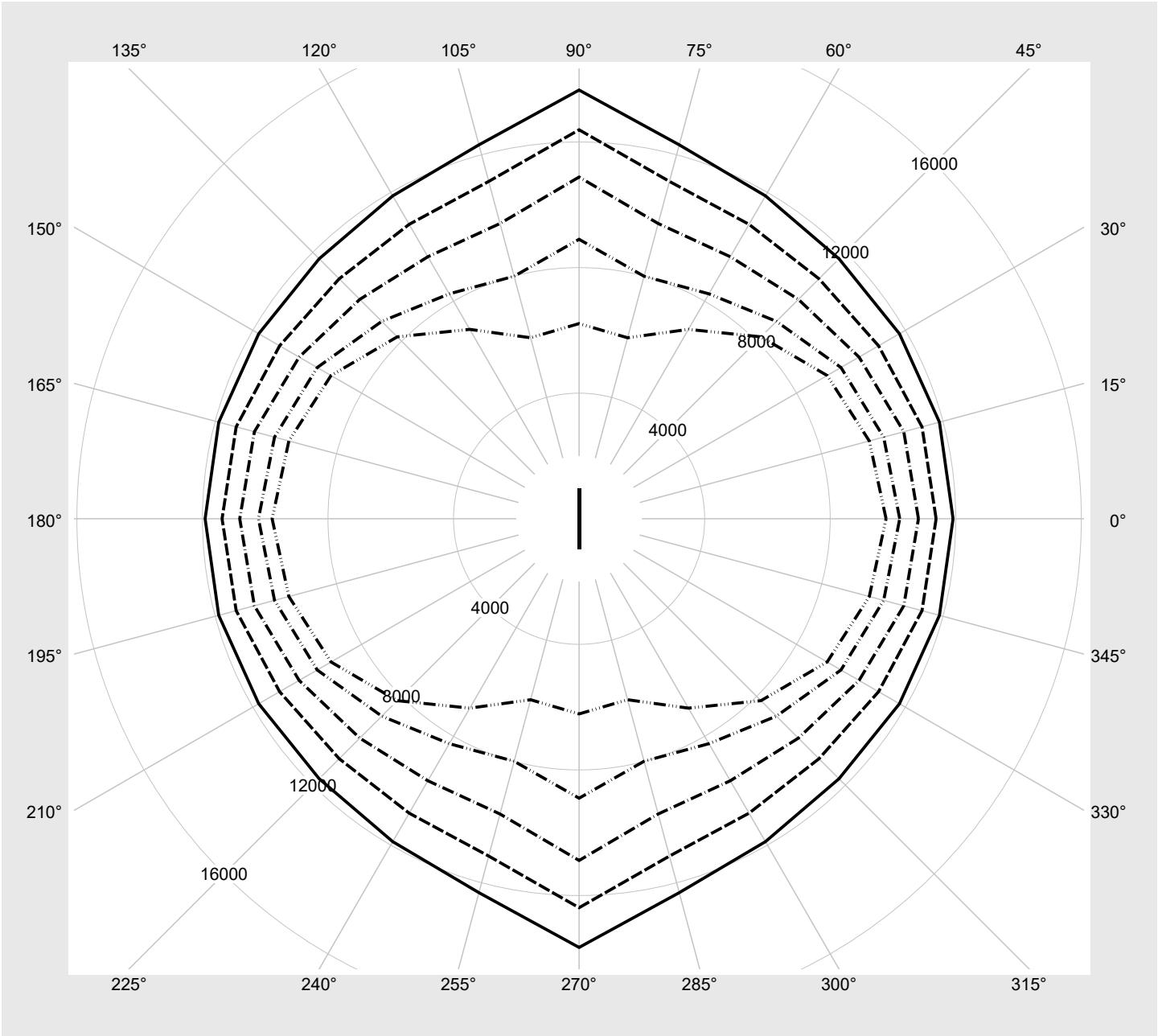
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family
Monsun® 21

Order number: 51FB10MP480C
EAN: 4069025178206

LP number
58939_129

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8550	45.6
2	A	C	F	7720	40.9
3	A	D	E	7100	37.5
4	A	D	F	6480	34.1
5	B	C	E	5860	30.8
6	B	C	F	5220	27.4
7	B	D	E	4580	24.1
8	B	D	F	4090	21.9