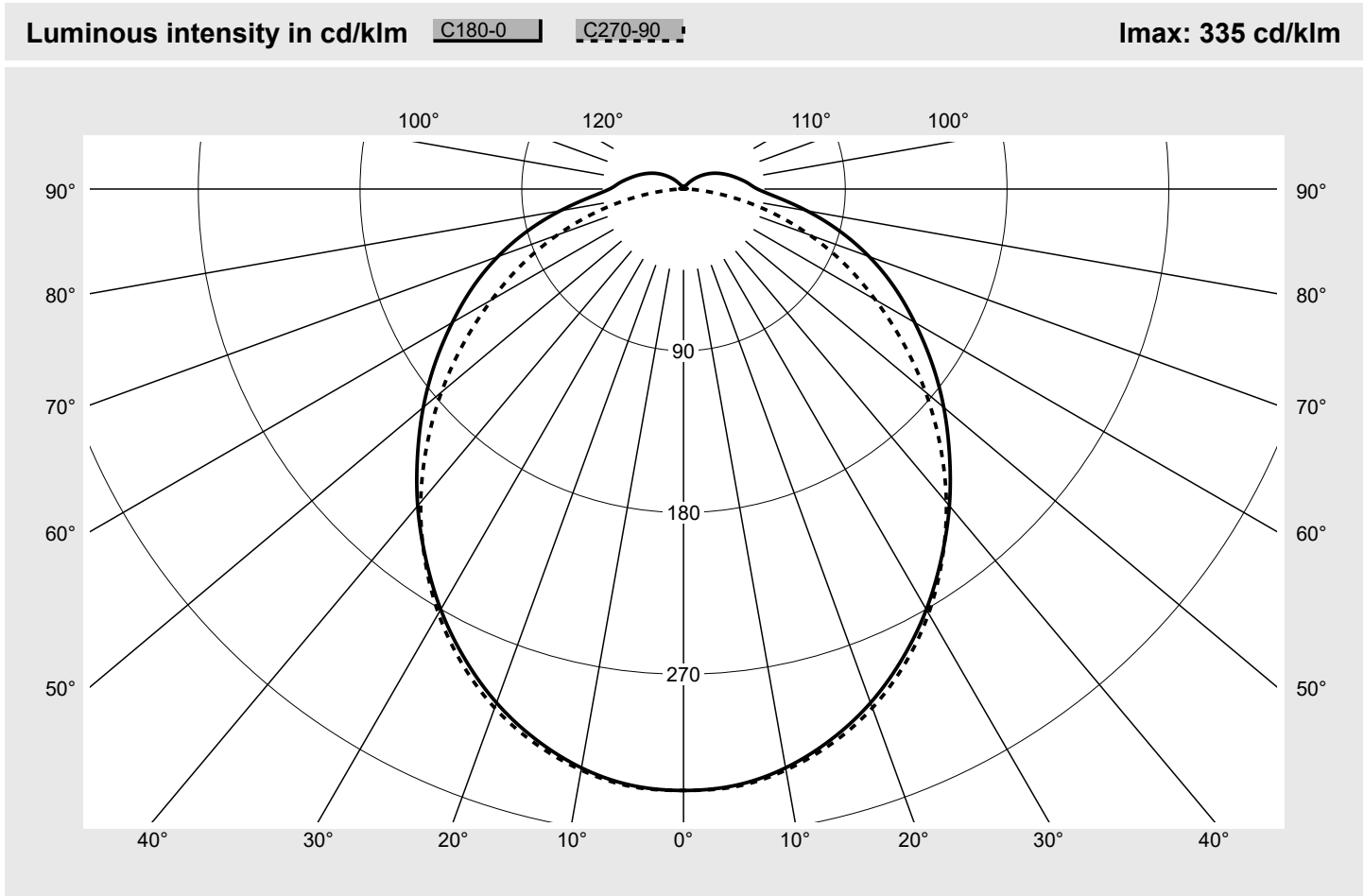


Photometric test report

Family Monsun® 21	Order number: 51FB10ML460K EAN: 4069025131584	LP number 59393_25
	Version	prismatic diffuser, opal, PMMA, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Rated values	Net luminous flux = 6010 lm Power consumption = 33.2 W Luminous efficacy = 181 lm/W
		serial documentation 08.05.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=46 N2=76 N3=93	ϕ_u	93.9%
	N4=94 N5=100	ϕ_o	6.1%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB10ML460K EAN: 4069025131584	LP number 59393_25
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°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	2.0	2.0
5°	333.1	333.6	331.1	331.9	332.7	333.2	333.8	15.9	17.9
10°	327.1	327.9	325.6	326.0	327.2	327.9	328.3	31.1	49.0
15°	317.2	318.4	316.4	316.9	317.9	318.6	319.4	45.1	94.1
20°	304.3	305.5	304.0	304.0	305.5	306.0	307.3	57.2	151.3
25°	288.3	289.5	288.3	288.0	289.4	289.8	291.5	67.0	218.3
30°	270.2	271.6	270.4	269.7	270.4	271.0	272.7	74.2	292.5
35°	250.3	251.6	250.4	249.2	249.0	249.3	251.0	78.6	371.1
40°	230.1	230.9	229.3	227.2	226.1	225.6	227.5	80.3	451.4
45°	209.3	209.8	207.4	204.4	202.0	200.5	202.0	79.4	530.9
50°	189.0	188.7	186.0	181.6	177.7	174.7	175.8	76.4	607.2
55°	168.7	168.2	164.8	159.1	153.5	149.2	149.2	71.4	678.6
60°	148.6	147.7	143.7	136.7	130.2	124.3	123.2	64.8	743.4
65°	129.5	127.8	123.0	114.9	108.3	100.8	99.1	57.1	800.4
70°	109.9	108.0	102.2	93.4	85.8	77.4	74.6	48.0	848.4
75°	89.7	87.9	81.7	72.5	63.8	55.3	51.1	38.1	886.5
80°	69.6	67.6	61.9	52.4	43.1	34.0	28.9	27.7	914.2
85°	52.2	49.9	44.6	35.4	25.7	16.3	10.6	18.5	932.7
90°	41.2	39.2	34.0	25.7	16.3	7.4	2.3	13.2	945.9
95°	36.2	34.5	30.1	22.6	13.9	5.6	2.0	11.4	957.3
100°	31.8	30.4	26.2	19.4	11.5	4.0	1.7	9.7	967.1
105°	27.9	26.5	22.5	16.5	9.2	2.5	1.5	8.1	975.2
110°	24.2	22.6	19.2	13.5	6.9	1.5	1.3	6.6	981.8
115°	20.8	19.1	16.0	10.8	4.9	1.4	1.2	5.2	987.0
120°	17.3	15.9	12.9	8.1	3.1	1.3	1.2	4.0	991.0
125°	13.9	12.5	9.8	5.6	1.6	1.3	1.1	2.9	993.8
130°	10.5	9.4	7.0	3.5	1.5	1.3	1.1	2.0	995.8
135°	7.3	6.4	4.4	1.9	1.5	1.2	1.0	1.3	997.1
140°	4.5	3.8	2.3	1.7	1.5	1.2	1.1	0.8	997.9
145°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	0.5	998.4
150°	2.0	2.0	1.9	1.7	1.5	1.4	1.3	0.5	998.9
155°	1.9	1.9	1.8	1.7	1.5	1.4	1.4	0.4	999.3
160°	1.8	1.8	1.7	1.6	1.5	1.5	1.4	0.3	999.6
165°	1.7	1.7	1.6	1.5	1.5	1.5	1.4	0.2	999.8
170°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	0.1	999.9
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.1	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1000.0

Photometric test report

Family Monsun® 21			Order number: 51FB10ML460K EAN: 4069025131584							LP number 59393_25			
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	20.9	22.6	21.2	22.9	23.2	20.7	22.4	21.1	22.7	23.1		
	3H	22.7	24.2	23.1	24.6	24.9	22.2	23.7	22.6	24.1	24.4		
	4H	23.5	25.0	23.9	25.3	25.7	22.8	24.2	23.1	24.6	24.9		
	6H	24.3	25.6	24.7	26.0	26.4	23.2	24.5	23.6	24.9	25.3		
	8H	24.6	25.9	25.1	26.3	26.7	23.3	24.6	23.7	25.0	25.4		
	12H	24.9	26.1	25.4	26.5	26.9	23.4	24.6	23.8	25.0	25.4		
4H	2H	21.6	23.1	22.0	23.4	23.8	21.5	22.9	21.9	23.3	23.6		
	3H	23.6	24.9	24.0	25.3	25.7	23.1	24.4	23.5	24.8	25.2		
	4H	24.6	25.7	25.0	26.1	26.6	23.8	25.0	24.3	25.4	25.8		
	6H	25.5	26.5	25.9	26.9	27.4	24.3	25.3	24.8	25.8	26.2		
	8H	25.9	26.8	26.4	27.3	27.7	24.5	25.4	25.0	25.9	26.3		
	12H	26.3	27.1	26.8	27.6	28.1	24.6	25.4	25.1	25.9	26.4		
8H	4H	24.9	25.8	25.4	26.3	26.8	24.3	25.2	24.7	25.6	26.1		
	6H	26.0	26.8	26.5	27.2	27.7	24.9	25.7	25.4	26.1	26.6		
	8H	26.5	27.2	27.0	27.7	28.2	25.1	25.8	25.6	26.3	26.8		
	12H	27.0	27.6	27.5	28.1	28.6	25.3	25.9	25.8	26.4	26.9		
12H	4H	25.0	25.8	25.4	26.3	26.7	24.4	25.2	24.8	25.6	26.1		
	6H	26.1	26.8	26.6	27.2	27.8	25.1	25.7	25.6	26.2	26.7		
	8H	26.6	27.2	27.2	27.7	28.3	25.3	25.9	25.8	26.4	27.0		

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1299 B = 87	H(C0) = 21 H(C90) = 21	H(C180) = 21 H(C270) = 21
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		12680.6	12750.9	12818.3	13001.5	13387.4	13988.1	14951.9
50°		12145.5	12170.7	12224.0	12347.0	12671.7	13222.9	14270.3
55°		11630.2	11650.2	11660.3	11706.4	11934.1	12448.6	13521.1
60°		11142.8	11132.4	11103.5	11055.1	11231.3	11641.8	12749.1
65°		10735.8	10660.4	10562.6	10393.5	10569.1	10867.3	12050.6
70°		10273.9	10163.0	9948.5	9676.2	9732.6	9903.7	11109.6
75°		9692.0	9573.3	9271.1	8868.0	8728.5	8799.7	9905.8
80°		9002.1	8830.7	8491.0	7891.5	7483.4	7207.6	8106.8
85°		8470.0	8203.1	7821.2	7001.5	6180.2	5254.5	5477.6

Photometric test report

Family
Monsun® 21

Order number: **51FB10ML460K**
EAN: **4069025131584**

LP number
59393_25

Luminance values in cd/m²

γ 65°

γ 70°

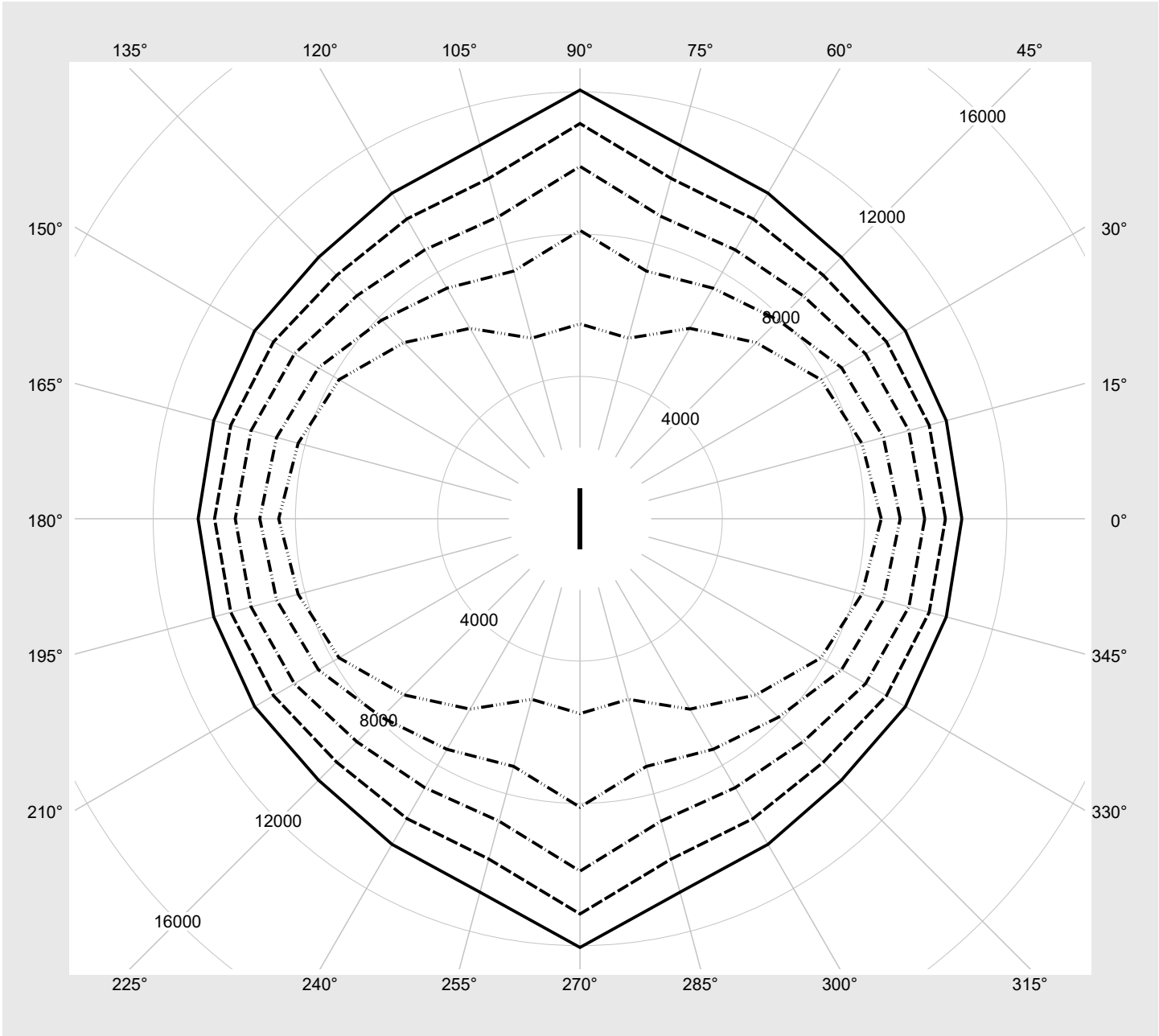
γ 75°

γ 80°

γ 85°

sit

eco



Photometric test report

Family Monsun® 21	Order number: 51FB10ML460K EAN: 4069025131584	LP number 59393_25
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	6010	33.2
2	A	C	F	5720	31.6
3	A	D	E	5490	30.3
4	A	D	F	5050	27.8
5	B	C	E	4590	25.3
6	B	C	F	4440	24.4
7	B	D	E	4050	22.3
8	B	D	F	3980	21.9