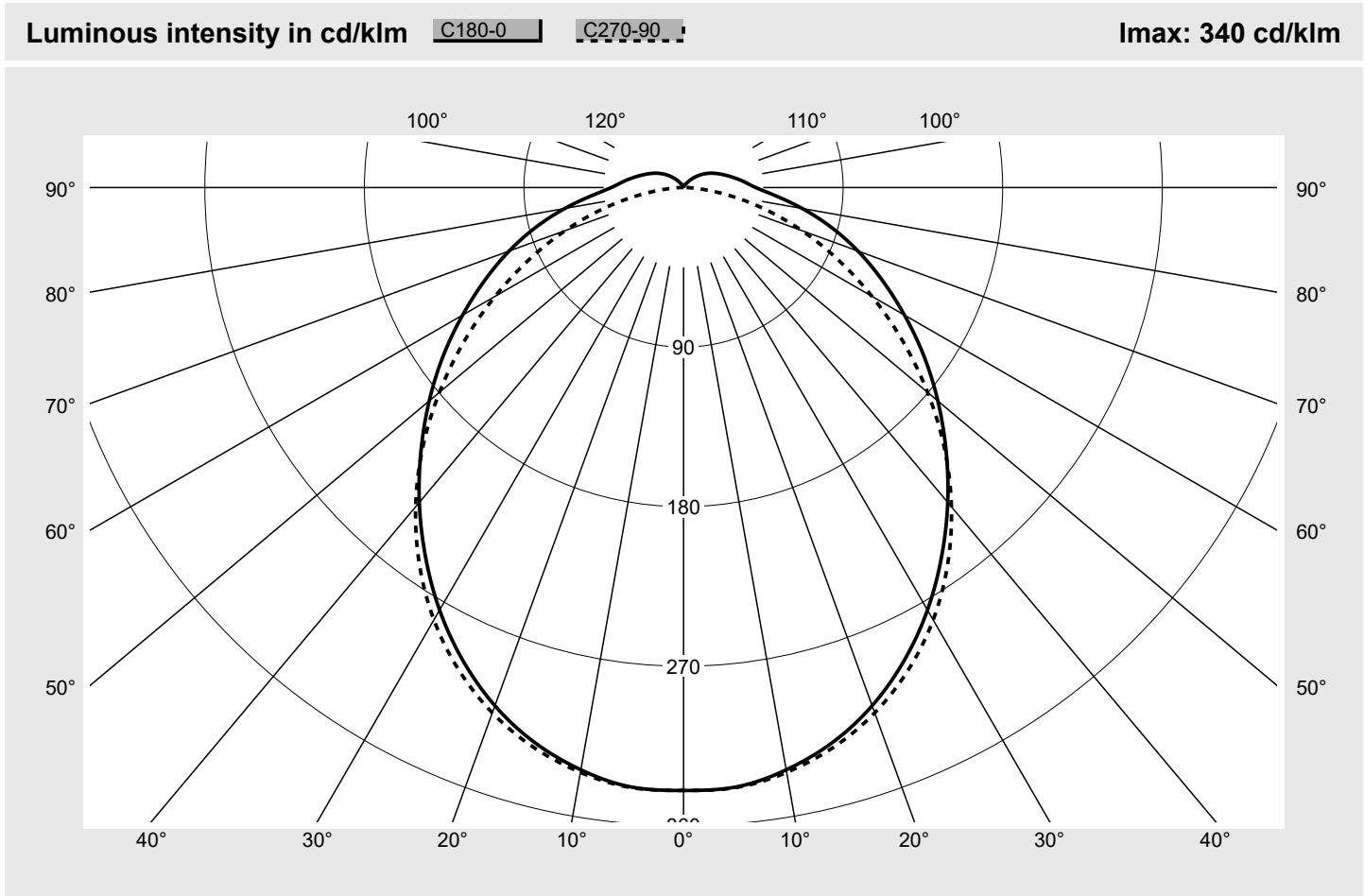


Photometric test report

Family Monsun® 21	Order number: 51FB10DP440C EAN: 4069025178008	LP number 58939_114
	Version	prismatic diffuser, opal, PMMA, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 4360 lm Power consumption = 24.2 W Luminous efficacy = 180.2 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: 51FB10DP440C EAN: 4069025178008	LP number 58939_114
Table of values for luminous intensities		Maximum luminous intensity

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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: 51FB10DP440C EAN: 4069025178008	LP number 58939_114
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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	18.9	20.6	19.3	20.9	21.3	18.9	20.6	19.3	20.9	21.3
	3H	20.7	22.2	21.1	22.6	22.9	20.3	21.8	20.7	22.2	22.5
	4H	21.5	22.9	21.9	23.3	23.7	20.8	22.3	21.2	22.6	23.0
	6H	22.2	23.6	22.7	24.0	24.3	21.2	22.5	21.6	22.9	23.3
	8H	22.6	23.9	23.0	24.3	24.7	21.3	22.6	21.7	23.0	23.4
	12H	22.9	24.1	23.4	24.5	24.9	21.4	22.6	21.8	23.0	23.4
4H	2H	19.6	21.1	20.0	21.4	21.8	19.6	21.1	20.0	21.4	21.8
	3H	21.6	22.8	22.0	23.2	23.6	21.2	22.4	21.6	22.8	23.2
	4H	22.5	23.7	23.0	24.1	24.5	21.8	23.0	22.3	23.4	23.8
	6H	23.4	24.4	23.9	24.9	25.3	22.3	23.3	22.8	23.7	24.2
	8H	23.9	24.8	24.3	25.2	25.7	22.5	23.4	22.9	23.8	24.3
	12H	24.3	25.1	24.8	25.5	26.0	22.6	23.4	23.0	23.8	24.3
8H	4H	22.8	23.8	23.3	24.2	24.7	22.2	23.2	22.7	23.6	24.1
	6H	23.9	24.7	24.4	25.2	25.7	22.9	23.6	23.3	24.1	24.6
	8H	24.5	25.2	25.0	25.6	26.2	23.1	23.8	23.6	24.2	24.8
	12H	25.0	25.6	25.5	26.1	26.6	23.2	23.8	23.7	24.3	24.9
12H	4H	22.9	23.7	23.4	24.2	24.7	22.3	23.2	22.8	23.6	24.1
	6H	24.0	24.7	24.5	25.2	25.7	23.0	23.7	23.5	24.2	24.7
	8H	24.6	25.2	25.1	25.7	26.2	23.3	23.9	23.8	24.4	24.9

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	γ	0°	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°	7517.9	7564.5	7619.8	7779.2	8114.9	8564.4	9158.5			
	50°	7130.2	7156.7	7210.1	7320.1	7597.0	8023.8	8674.8			
	55°	6761.2	6769.0	6810.5	6864.2	7078.1	7451.1	8137.1			
	60°	6396.4	6391.1	6402.2	6422.5	6563.5	6871.5	7563.5			
	65°	6075.8	6061.2	6009.9	5971.8	6055.6	6287.4	6962.8			
	70°	5800.5	5767.7	5618.0	5511.9	5521.7	5672.2	6317.4			
	75°	5513.4	5461.3	5251.8	5038.8	4913.8	4964.5	5550.0			
	80°	5209.2	5122.7	4912.7	4534.0	4218.2	4077.9	4538.7			
	85°	4987.2	4881.6	4653.3	4178.5	3551.8	3043.4	3169.7			

Photometric test report

Family
Monsun® 21

Order number: 51FB10DP440C
EAN: 4069025178008

LP number
58939_114

Luminance values in cd/m²

γ 65°

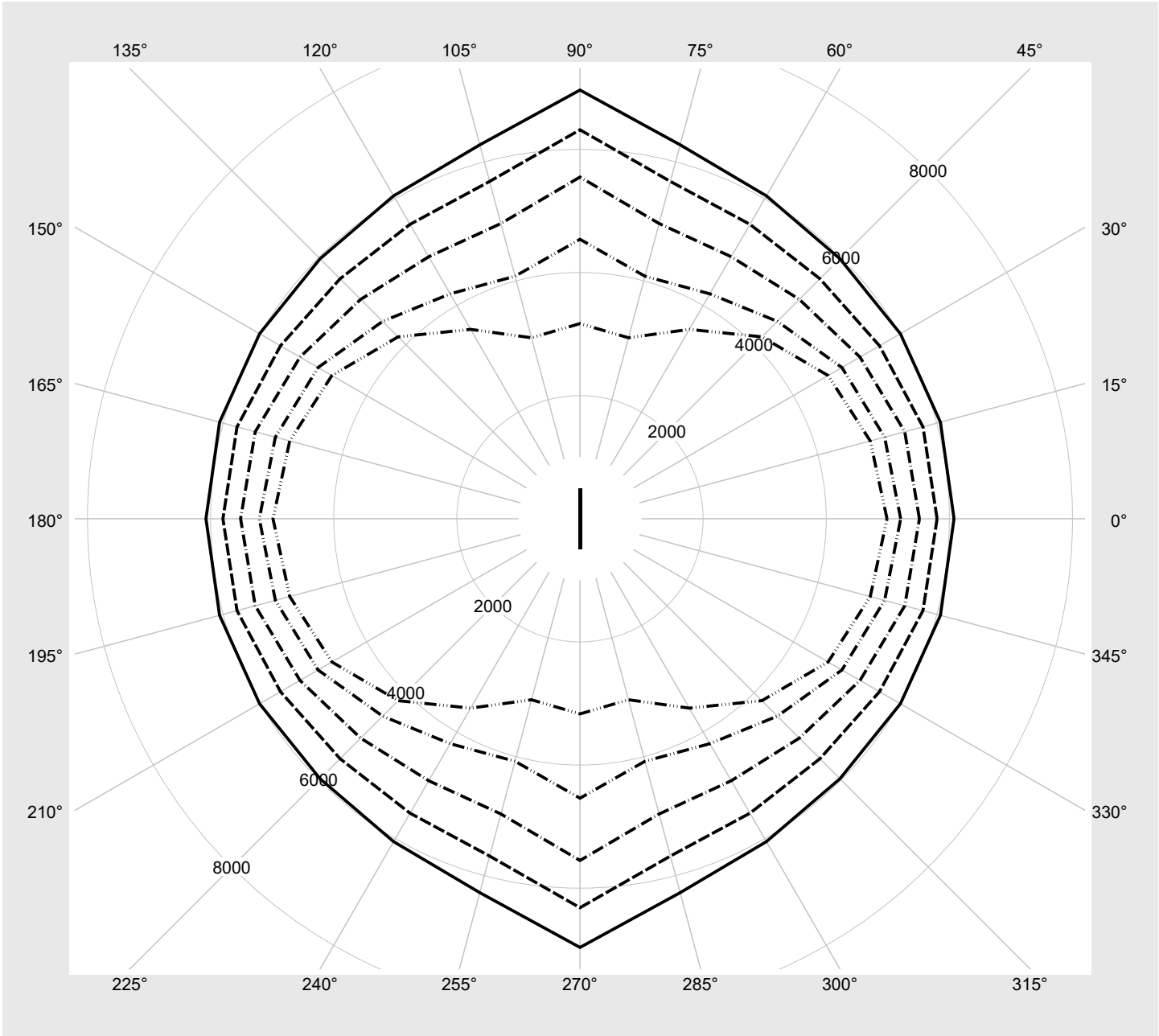
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Monsun® 21	Order number: 51FB10DP440C EAN: 4069025178008	LP number 58939_114
Dimming levels table	environmental temperature: 25°C	siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4360	24.2
95	241	252	4143	23.1
90	228	250	3924	22.0
85	215	248	3704	20.9
80	202	246	3484	19.7
75	189	243	3264	18.6
70	177	241	3060	17.5
65	164	238	2838	16.3
60	151	235	2614	15.1
55	138	232	2391	13.9
50	126	228	2185	12.8
45	113	224	1963	11.5
40	100	220	1738	10.4
35	88	215	1529	9.3
30	75	209	1302	8.0
25	63	203	1093	7.0
20	50	194	866	5.9
15	38	184	655	4.9
10	26	171	444	4.0
5	13	145	214	3.1
4	10	136	162	3.0