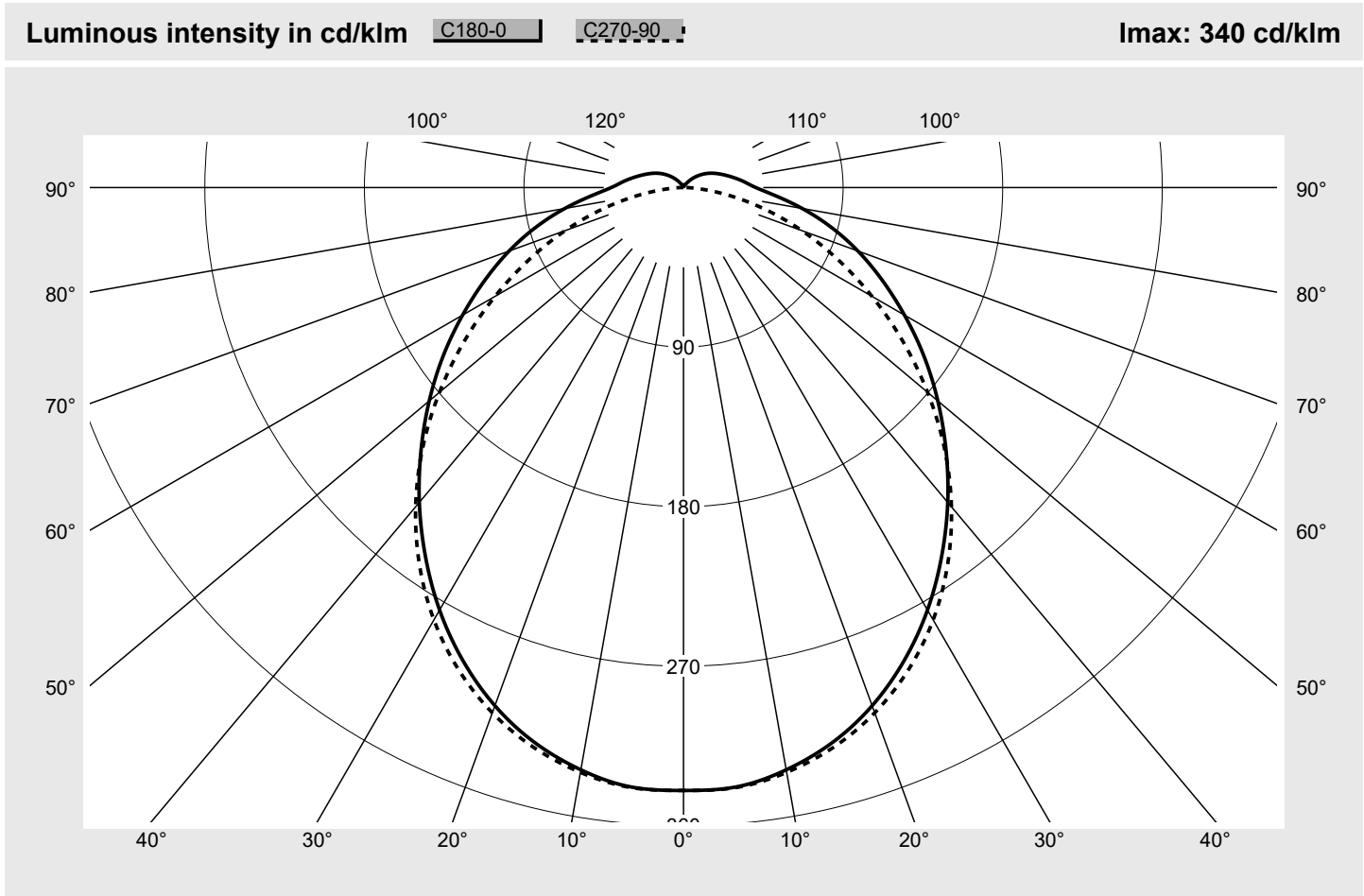


Photometric test report

Family Monsun® 11	Order number: 51FP10DP467L3H EAN: 4069025268716	LP number 58939_158
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	AC-mode
	Rated values	Net luminous flux = 6050 lm Power consumption = 35.3 W Luminous efficacy = 171.4 lm/W
		serial documentation 30.09.2024
		



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

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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® 11		Order number: 51FP10DP467L3H EAN: 4069025268716							LP number 58939_158	
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	20.1	21.8	20.4	22.1	22.4	20.1	21.8	20.4	22.1
	3H	21.8	23.4	22.2	23.7	24.0	21.4	23.0	21.8	23.3
	4H	22.6	24.1	23.0	24.4	24.8	22.0	23.4	22.4	23.8
	6H	23.4	24.7	23.8	25.1	25.5	22.3	23.7	22.7	24.0
	8H	23.8	25.0	24.2	25.4	25.8	22.5	23.7	22.9	24.1
	12H	24.1	25.3	24.5	25.6	26.1	22.5	23.7	22.9	24.1
4H	2H	20.8	22.2	21.2	22.6	22.9	20.8	22.2	21.2	22.6
	3H	22.7	24.0	23.1	24.3	24.7	22.3	23.6	22.7	24.0
	4H	23.7	24.8	24.1	25.2	25.6	23.0	24.1	23.4	24.5
	6H	24.6	25.6	25.0	26.0	26.5	23.4	24.4	23.9	24.9
	8H	25.0	25.9	25.5	26.4	26.8	23.6	24.5	24.1	25.0
	12H	25.4	26.2	25.9	26.7	27.2	23.7	24.5	24.2	25.0
8H	4H	24.0	24.9	24.5	25.4	25.8	23.4	24.3	23.9	24.7
	6H	25.1	25.8	25.6	26.3	26.8	24.0	24.8	24.5	25.2
	8H	25.6	26.3	26.1	26.8	27.3	24.2	24.9	24.7	25.4
	12H	26.2	26.7	26.7	27.2	27.8	24.4	25.0	24.9	25.5
12H	4H	24.0	24.9	24.5	25.3	25.8	23.5	24.3	24.0	24.7
	6H	25.2	25.8	25.7	26.3	26.8	24.2	24.8	24.7	25.3
	8H	25.8	26.3	26.3	26.8	27.4	24.4	25.0	24.9	25.5

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° 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°		10432.0	10496.6	10573.4	10794.5	11260.4	11884.0	12708.4
50°		9894.0	9930.7	10004.9	10157.5	10541.7	11133.9	12037.3
55°		9381.9	9392.8	9450.4	9524.8	9821.7	10339.3	11291.2
60°		8875.8	8868.3	8883.8	8911.9	9107.6	9535.1	10495.3
65°		8430.8	8410.6	8339.4	8286.5	8402.8	8724.5	9661.6
70°		8048.8	8003.3	7795.7	7648.4	7662.0	7870.8	8766.0
75°		7650.5	7578.2	7287.5	6991.9	6818.5	6888.8	7701.3
80°		7228.3	7108.3	6817.0	6291.5	5853.3	5658.5	6297.9
85°		6920.2	6773.7	6457.0	5798.1	4928.5	4223.0	4398.3

Photometric test report

Family
Monsun® 11

Order number: 51FP10DP467L3H
EAN: 4069025268716

LP number
58939_158

Luminance values in cd/m²

γ 65°

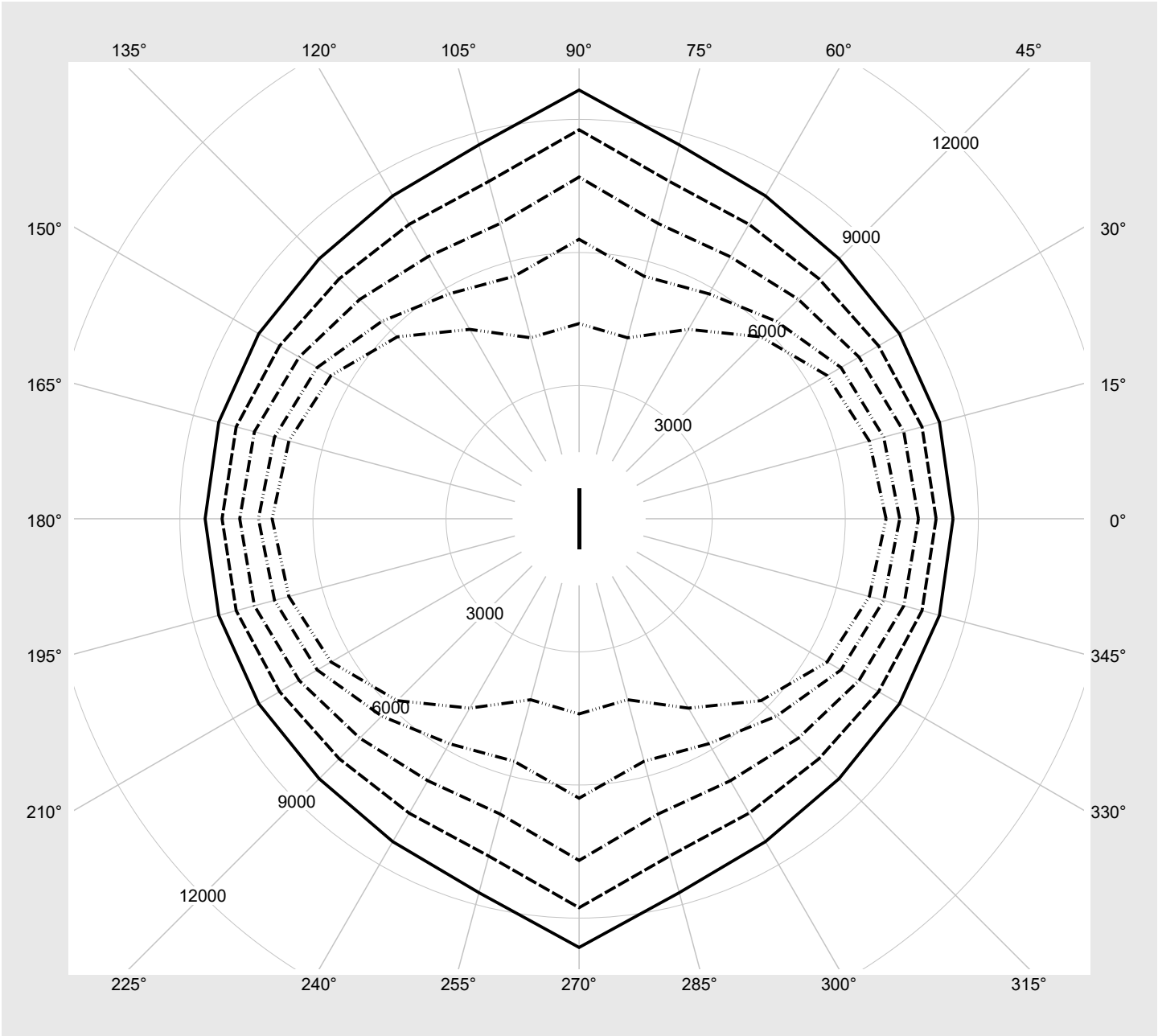
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Monsun® 11	Order number: 51FP10DP467L3H EAN: 4069025268716	LP number 58939_158
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	6050	35.3
95	241	252	5757	33.8
90	227	250	5440	32.2
85	214	248	5144	30.8
80	201	245	4846	29.3
75	188	243	4546	27.8
70	175	240	4245	26.3
65	162	238	3941	24.8
60	149	234	3636	23.2
55	136	231	3329	21.7
50	123	227	3019	20.1
45	111	224	2732	18.6
40	98	219	2418	17.0
35	86	214	2128	15.4
30	73	208	1811	13.8
25	61	202	1516	12.3
20	49	194	1218	11.0
15	37	183	917	9.6
10	25	169	615	8.2
5	13	145	310	7.0
3	8	127	182	6.7