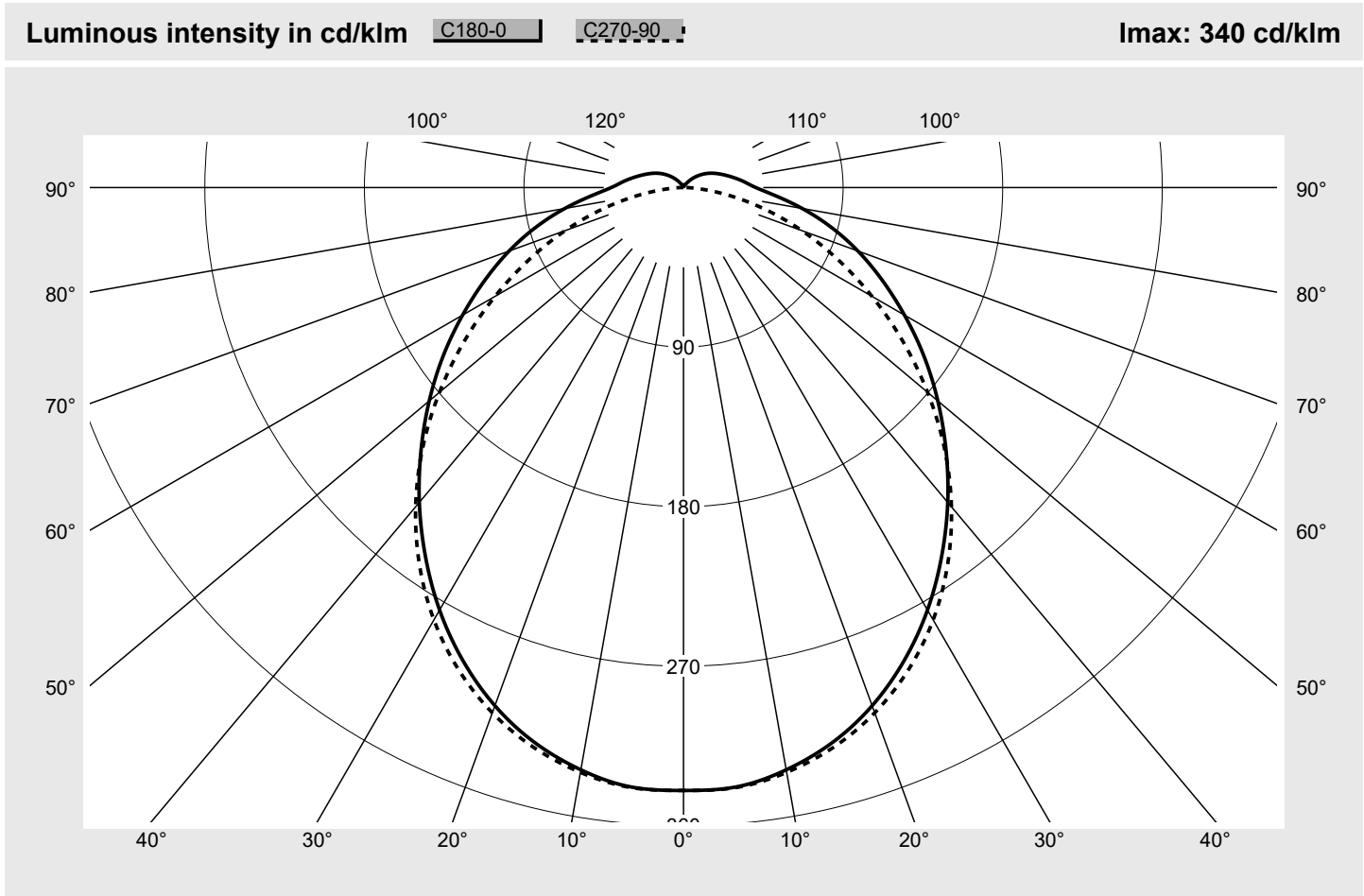


Photometric test report

Family Monsun® 11	Order number: 51FP10DP480L EAN: 4069025268754	LP number 58939_157
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 8000 lm Power consumption = 44.4 W Luminous efficacy = 180.2 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

Family Monsun® 11	Order number: 51FP10DP480L EAN: 4069025268754	LP number 58939_157
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: 51FP10DP480L EAN: 4069025268754							LP number 58939_157	
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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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
	3H	22.8	24.3	23.2	24.7	25.0	22.4	24.0	22.8	24.3
	4H	23.6	25.1	24.0	25.4	25.8	22.9	24.4	23.3	24.7
	6H	24.4	25.7	24.8	26.1	26.5	23.3	24.6	23.7	25.0
	8H	24.7	26.0	25.1	26.4	26.8	23.4	24.7	23.8	25.1
	12H	25.0	26.2	25.5	26.6	27.0	23.5	24.7	23.9	25.1
4H	2H	21.7	23.2	22.1	23.5	23.9	21.7	23.2	22.1	23.5
	3H	23.7	24.9	24.1	25.3	25.7	23.3	24.5	23.7	24.9
	4H	24.6	25.8	25.1	26.2	26.6	23.9	25.1	24.4	25.5
	6H	25.6	26.5	26.0	27.0	27.4	24.4	25.4	24.9	25.8
	8H	26.0	26.9	26.4	27.3	27.8	24.6	25.5	25.0	25.9
	12H	26.4	27.2	26.9	27.7	28.1	24.7	25.5	25.1	26.0
8H	4H	25.0	25.9	25.4	26.3	26.8	24.4	25.3	24.8	25.7
	6H	26.0	26.8	26.5	27.3	27.8	25.0	25.7	25.5	26.2
	8H	26.6	27.3	27.1	27.8	28.3	25.2	25.9	25.7	26.4
	12H	27.1	27.7	27.6	28.2	28.7	25.3	25.9	25.9	26.4
12H	4H	25.0	25.8	25.5	26.3	26.8	24.5	25.3	24.9	25.7
	6H	26.1	26.8	26.6	27.3	27.8	25.1	25.8	25.6	26.3
	8H	26.7	27.3	27.2	27.8	28.3	25.4	26.0	25.9	26.5

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°		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® 11

Order number: **51FP10DP480L**
EAN: **4069025268754**

LP number
58939_157

Luminance values in cd/m²

γ 65°

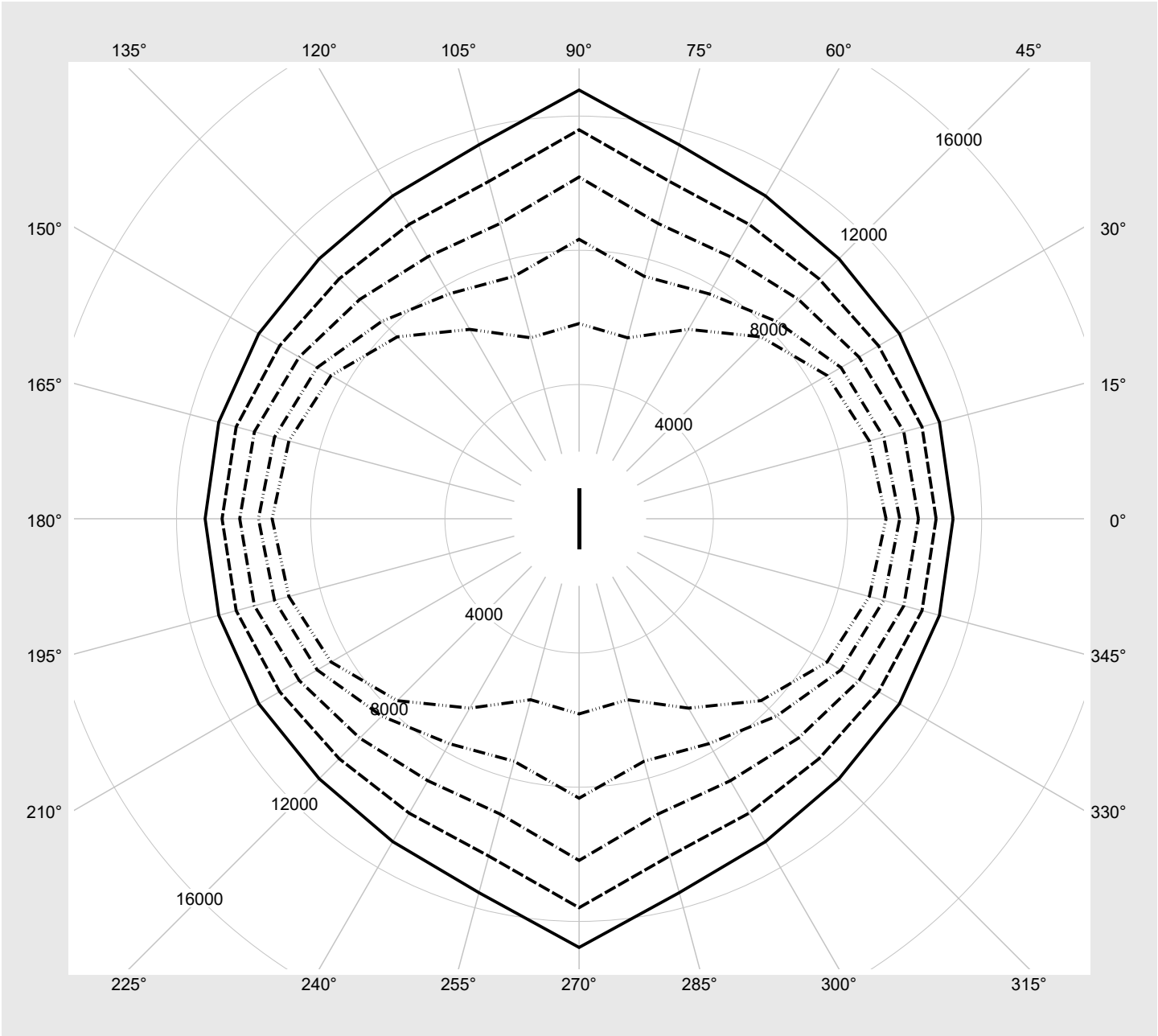
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Monsun® 11	Order number: 51FP10DP480L EAN: 4069025268754	LP number 58939_157
Dimming levels table		environmental temperature: 25°C

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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8000	44.4
95	240	252	7590	41.9
90	227	250	7205	39.7
85	213	248	6790	37.3
80	200	245	6400	35.0
75	187	243	6011	32.8
70	174	240	5614	30.5
65	160	237	5185	28.3
60	148	234	4814	26.3
55	135	231	4409	24.2
50	122	227	4002	22.1
45	109	223	3589	19.9
40	97	219	3206	17.8
35	84	213	2787	15.6
30	72	208	2397	13.5
25	60	201	2006	11.4
20	48	193	1608	9.4
15	36	182	1206	7.3
10	24	168	801	5.3
5	12	142	391	3.5
2	6	117	185	2.7