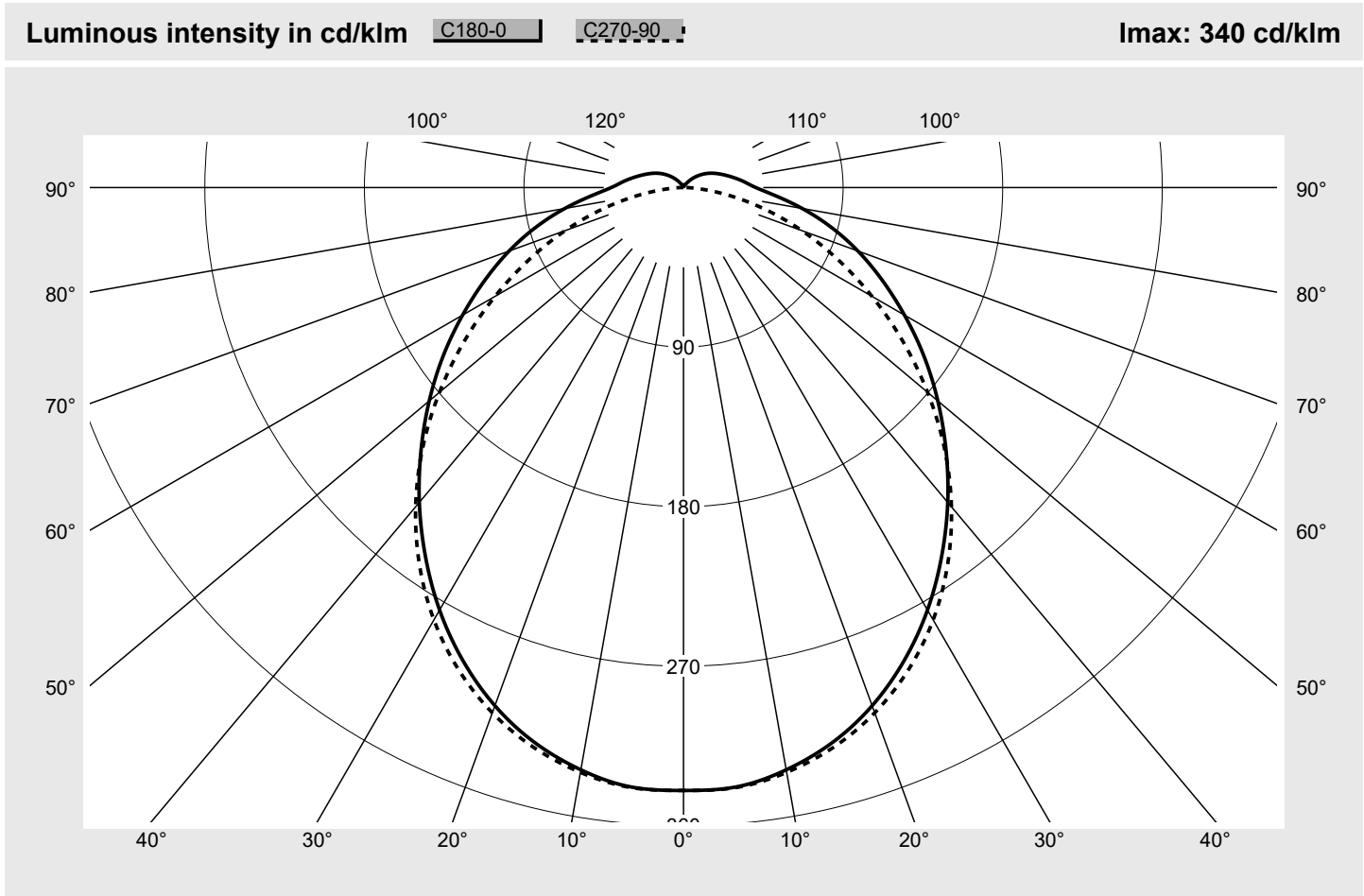


Photometric test report

Family Monsun® 11	Order number: 51FP109P440L EAN: 4069025280374	LP number 58939_163
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG CLOi
	Rated values	Net luminous flux = 4120 lm Power consumption = 21.3 W Luminous efficacy = 193.4 lm/W
		serial documentation 06.11.2024
		siteco



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: 51FP109P440L EAN: 4069025280374	LP number 58939_163
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

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Family Monsun® 11			Order number: 51FP109P440L EAN: 4069025280374							LP number 58939_163	
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	18.7	20.4	19.1	20.8	21.1	18.7	20.4	19.1	20.7	21.1
	3H	20.5	22.0	20.9	22.4	22.7	20.1	21.6	20.5	22.0	22.3
	4H	21.3	22.8	21.7	23.1	23.5	20.6	22.1	21.0	22.4	22.8
	6H	22.1	23.4	22.5	23.8	24.2	21.0	22.3	21.4	22.7	23.1
	8H	22.4	23.7	22.8	24.1	24.5	21.1	22.4	21.5	22.8	23.2
	12H	22.7	23.9	23.2	24.3	24.7	21.2	22.4	21.6	22.8	23.2
4H	2H	19.4	20.9	19.8	21.2	21.6	19.4	20.9	19.8	21.2	21.6
	3H	21.4	22.6	21.8	23.0	23.4	21.0	22.2	21.4	22.6	23.0
	4H	22.3	23.5	22.8	23.9	24.3	21.6	22.8	22.1	23.2	23.6
	6H	23.2	24.2	23.7	24.7	25.1	22.1	23.1	22.6	23.5	24.0
	8H	23.7	24.6	24.1	25.0	25.5	22.3	23.2	22.7	23.6	24.1
	12H	24.1	24.9	24.6	25.3	25.8	22.4	23.2	22.8	23.6	24.1
8H	4H	22.7	23.6	23.1	24.0	24.5	22.1	23.0	22.5	23.4	23.9
	6H	23.7	24.5	24.2	25.0	25.5	22.7	23.4	23.2	23.9	24.4
	8H	24.3	25.0	24.8	25.4	26.0	22.9	23.6	23.4	24.1	24.6
	12H	24.8	25.4	25.3	25.9	26.4	23.0	23.6	23.5	24.1	24.7
12H	4H	22.7	23.5	23.2	24.0	24.5	22.2	23.0	22.6	23.4	23.9
	6H	23.8	24.5	24.3	25.0	25.5	22.8	23.5	23.3	24.0	24.5
	8H	24.4	25.0	24.9	25.5	26.0	23.1	23.7	23.6	24.2	24.7

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°		7104.1	7148.1	7200.4	7350.9	7668.2	8092.9	8654.3
50°		6737.7	6762.7	6813.3	6917.2	7178.8	7582.1	8197.3
55°		6389.0	6396.4	6435.6	6486.3	6688.5	7041.0	7689.2
60°		6044.3	6039.3	6049.8	6069.0	6202.2	6493.3	7147.2
65°		5741.3	5727.5	5679.1	5643.0	5722.3	5941.3	6579.5
70°		5481.2	5450.2	5308.8	5208.5	5217.8	5360.0	5969.6
75°		5209.9	5160.7	4962.7	4761.4	4643.3	4691.2	5244.5
80°		4922.4	4840.7	4642.3	4284.4	3986.0	3853.4	4288.8
85°		4712.6	4612.9	4397.2	3948.5	3356.3	2875.8	2995.2

Photometric test report

Family
Monsun® 11

Order number: 51FP109P440L
EAN: 4069025280374

LP number
58939_163

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

