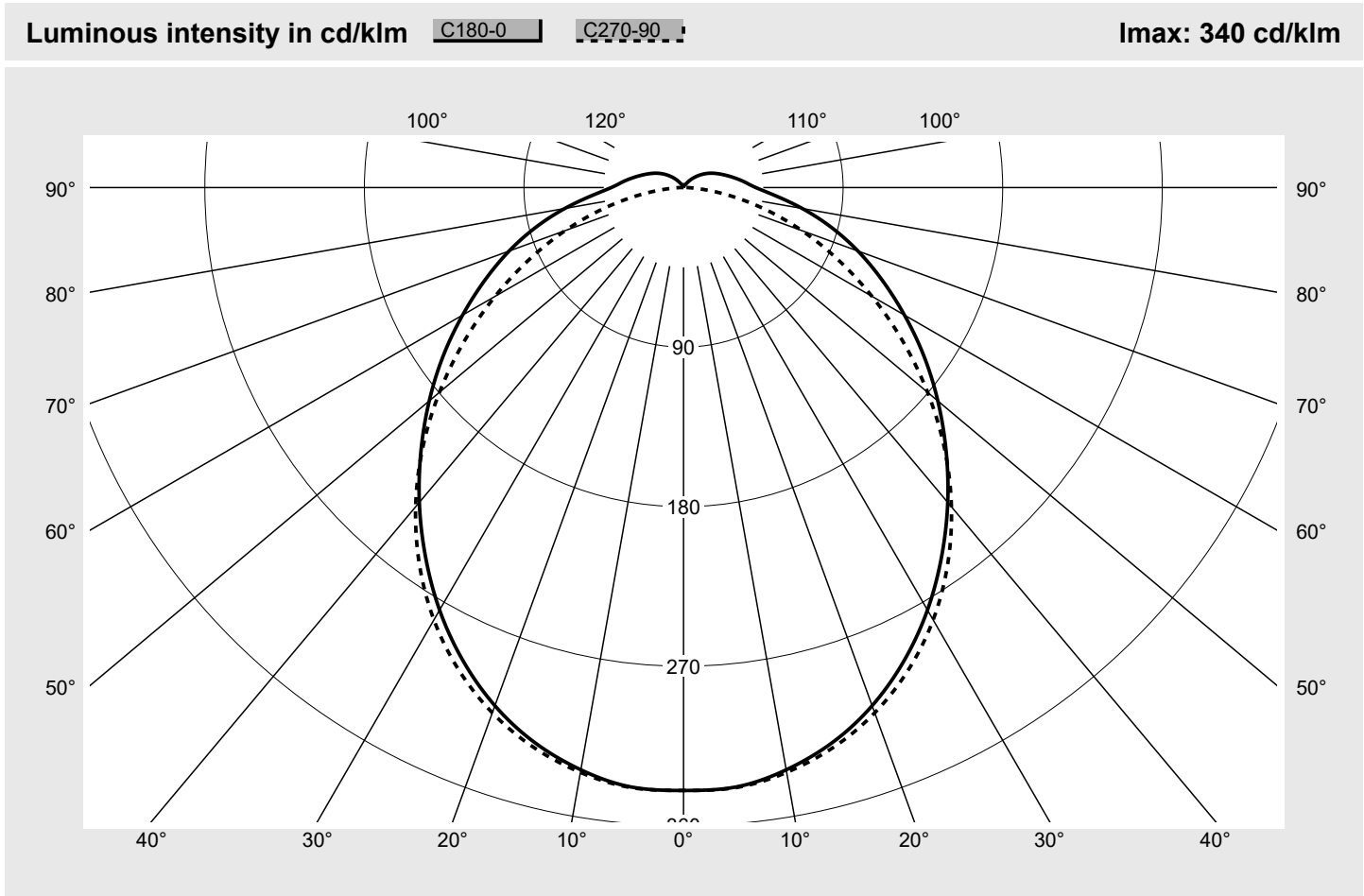


Photometric test report

Family Monsun® 11	Order number: 51FP107P437L3G EAN: 4069025280299	LP number 58939_181
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Setting	AC-mode
	Rated values	Net luminous flux = 3840 lm Power consumption = 24.9 W Luminous efficacy = 154.2 lm/W
		serial documentation 05.11.2024
		



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: 51FP107P437L3G EAN: 4069025280299	LP number 58939_181
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

Photometric test report

Family Monsun® 11	Order number: 51FP107P437L3G EAN: 4069025280299	LP number 58939_181
----------------------	--	------------------------

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	18.5	20.2	18.9	20.5	20.8	18.5	20.2	18.8	20.5	20.8
	3H	20.2	21.8	20.6	22.1	22.5	19.9	21.4	20.2	21.7	22.1
	4H	21.1	22.5	21.4	22.9	23.2	20.4	21.8	20.8	22.2	22.6
	6H	21.8	23.1	22.2	23.5	23.9	20.7	22.1	21.2	22.5	22.9
	8H	22.2	23.4	22.6	23.8	24.2	20.9	22.2	21.3	22.5	22.9
	12H	22.5	23.7	22.9	24.1	24.5	20.9	22.1	21.4	22.5	22.9
4H	2H	19.2	20.6	19.6	21.0	21.4	19.2	20.6	19.6	21.0	21.3
	3H	21.1	22.4	21.5	22.8	23.2	20.7	22.0	21.2	22.4	22.8
	4H	22.1	23.2	22.5	23.6	24.1	21.4	22.5	21.8	22.9	23.4
	6H	23.0	24.0	23.5	24.4	24.9	21.9	22.9	22.3	23.3	23.8
	8H	23.4	24.3	23.9	24.8	25.2	22.0	22.9	22.5	23.4	23.9
	12H	23.8	24.6	24.3	25.1	25.6	22.1	22.9	22.6	23.4	23.9
8H	4H	22.4	23.3	22.9	23.8	24.2	21.8	22.7	22.3	23.2	23.6
	6H	23.5	24.3	24.0	24.7	25.2	22.4	23.2	22.9	23.7	24.2
	8H	24.0	24.7	24.5	25.2	25.7	22.6	23.3	23.1	23.8	24.3
	12H	24.6	25.2	25.1	25.7	26.2	22.8	23.4	23.3	23.9	24.4
12H	4H	22.5	23.3	22.9	23.7	24.2	21.9	22.7	22.4	23.2	23.7
	6H	23.6	24.3	24.1	24.7	25.3	22.6	23.2	23.1	23.7	24.2
	8H	24.2	24.8	24.7	25.3	25.8	22.8	23.4	23.4	23.9	24.5

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°	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°	6621.3	6662.3	6711.0	6851.4	7147.1	7542.9	8066.2
	50°	6279.8	6303.1	6350.2	6447.1	6690.9	7066.8	7640.2
	55°	5954.8	5961.7	5998.2	6045.5	6234.0	6562.4	7166.7
	60°	5633.6	5628.8	5638.6	5656.5	5780.7	6052.0	6661.5
	65°	5351.1	5338.3	5293.1	5259.5	5333.4	5537.5	6132.3
	70°	5108.7	5079.8	4948.0	4854.5	4863.2	4995.7	5563.9
	75°	4855.8	4810.0	4625.5	4437.8	4327.8	4372.4	4888.1
	80°	4587.9	4511.7	4326.8	3993.3	3715.1	3591.5	3997.3
	85°	4392.4	4299.4	4098.3	3680.1	3128.2	2680.4	2791.7

Photometric test report

Family Monsun® 11	Order number: 51FP107P437L3G EAN: 4069025280299	LP number 58939_181
Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°		

siteco

