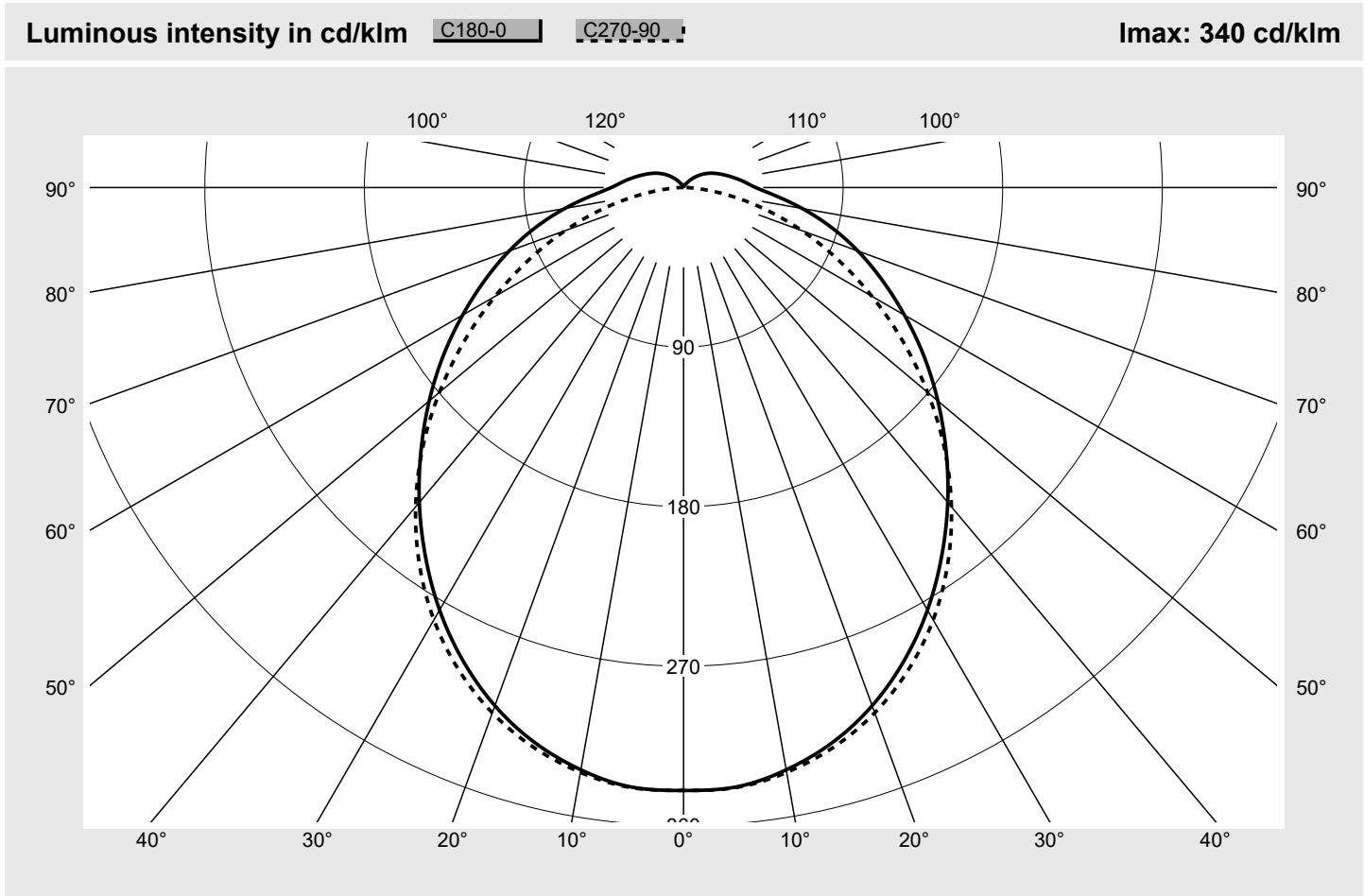


Photometric test report

Family Monsun® 11	Order number: 51FP107P467L3G EAN: 4069025280336	LP number 58939_153
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Setting	emergency light operation: 3 h
	Rated values	Net luminous flux = 990 lm Power consumption = 6.5 W Luminous efficacy = 152.3 lm/W
		serial documentation 30.09.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	ηLB	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: 51FP107P467L3G EAN: 4069025280336	LP number 58939_153
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: 51FP107P467L3G EAN: 4069025280336	LP number 58939_153
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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	13.8	15.5	14.1	15.8	16.1	13.8	15.5	14.1	15.8	16.1
	3H	15.5	17.1	15.9	17.4	17.8	15.1	16.7	15.5	17.0	17.4
	4H	16.3	17.8	16.7	18.1	18.5	15.7	17.1	16.1	17.5	17.9
	6H	17.1	18.4	17.5	18.8	19.2	16.0	17.4	16.4	17.8	18.1
	8H	17.5	18.7	17.9	19.1	19.5	16.2	17.4	16.6	17.8	18.2
	12H	17.8	19.0	18.2	19.4	19.8	16.2	17.4	16.6	17.8	18.2
4H	2H	14.5	15.9	14.9	16.3	16.7	14.5	15.9	14.9	16.3	16.6
	3H	16.4	17.7	16.8	18.1	18.5	16.0	17.3	16.5	17.7	18.1
	4H	17.4	18.5	17.8	18.9	19.3	16.7	17.8	17.1	18.2	18.7
	6H	18.3	19.3	18.7	19.7	20.2	17.2	18.2	17.6	18.6	19.0
	8H	18.7	19.6	19.2	20.1	20.5	17.3	18.2	17.8	18.7	19.1
	12H	19.1	19.9	19.6	20.4	20.9	17.4	18.2	17.9	18.7	19.2
8H	4H	17.7	18.6	18.2	19.1	19.5	17.1	18.0	17.6	18.4	18.9
	6H	18.8	19.6	19.3	20.0	20.5	17.7	18.5	18.2	18.9	19.4
	8H	19.3	20.0	19.8	20.5	21.0	17.9	18.6	18.4	19.1	19.6
	12H	19.9	20.5	20.4	21.0	21.5	18.1	18.7	18.6	19.2	19.7
12H	4H	17.7	18.6	18.2	19.0	19.5	17.2	18.0	17.7	18.5	18.9
	6H	18.9	19.6	19.4	20.0	20.5	17.9	18.5	18.4	19.0	19.5
	8H	19.5	20.1	20.0	20.6	21.1	18.1	18.7	18.6	19.2	19.7

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°		1707.0	1717.6	1730.2	1766.4	1842.6	1944.7	2079.6
50°		1619.0	1625.0	1637.2	1662.1	1725.0	1821.9	1969.7
55°		1535.2	1537.0	1546.4	1558.6	1607.2	1691.9	1847.7
60°		1452.4	1451.2	1453.7	1458.3	1490.3	1560.3	1717.4
65°		1379.6	1376.3	1364.6	1356.0	1375.0	1427.6	1581.0
70°		1317.1	1309.6	1275.7	1251.6	1253.8	1288.0	1434.4
75°		1251.9	1240.1	1192.5	1144.1	1115.8	1127.3	1260.2
80°		1182.8	1163.2	1115.5	1029.5	957.8	925.9	1030.6
85°		1132.4	1108.4	1056.6	948.8	806.5	691.0	719.7

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Family
Monsun® 11

Order number: 51FP107P467L3G
EAN: 4069025280336

LP number
58939_153

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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