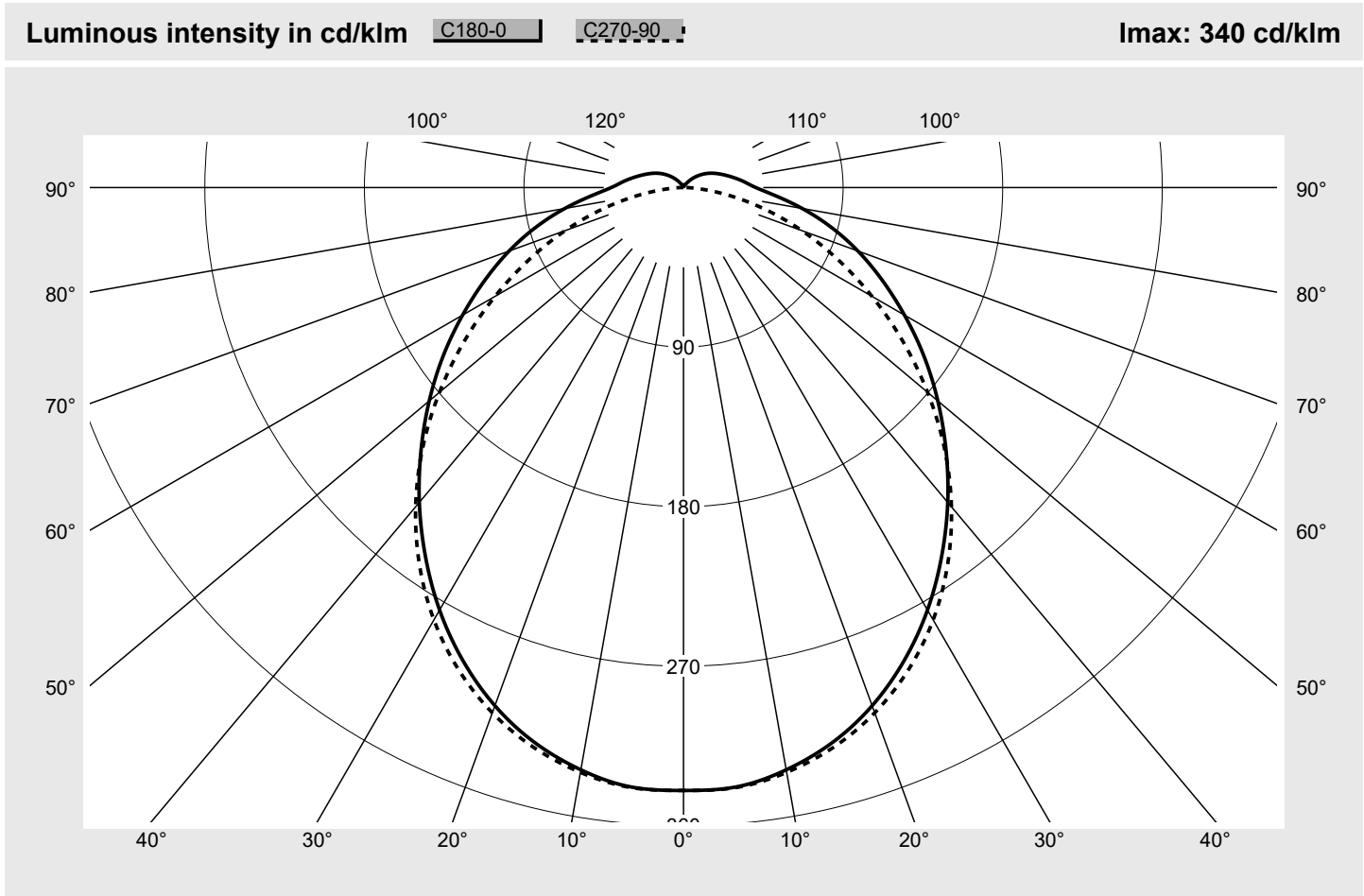


Photometric test report

Family Monsun® 11	Order number: 51FP10DP467L3H EAN: 4069025268716	LP number 58939_159
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	emergency light operation: 3 h
	Rated values	Net luminous flux = 1010 lm Power consumption = 6.2 W Luminous efficacy = 162.9 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

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Family Monsun® 11	Order number: 51FP10DP467L3H EAN: 4069025268716	LP number 58939_159
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

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Family Monsun® 11	Order number: 51FP10DP467L3H EAN: 4069025268716	LP number 58939_159
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	13.9	15.6	14.2	15.9	16.2	13.8	15.5	14.2	15.9	16.2
	3H	15.6	17.1	16.0	17.5	17.8	15.2	16.8	15.6	17.1	17.4
	4H	16.4	17.9	16.8	18.2	18.6	15.7	17.2	16.1	17.6	17.9
	6H	17.2	18.5	17.6	18.9	19.3	16.1	17.5	16.5	17.8	18.2
	8H	17.5	18.8	18.0	19.2	19.6	16.2	17.5	16.7	17.9	18.3
	12H	17.8	19.0	18.3	19.4	19.8	16.3	17.5	16.7	17.9	18.3
4H	2H	14.6	16.0	14.9	16.4	16.7	14.5	16.0	14.9	16.3	16.7
	3H	16.5	17.7	16.9	18.1	18.5	16.1	17.4	16.5	17.7	18.1
	4H	17.4	18.6	17.9	19.0	19.4	16.8	17.9	17.2	18.3	18.7
	6H	18.4	19.4	18.8	19.8	20.2	17.2	18.2	17.7	18.7	19.1
	8H	18.8	19.7	19.2	20.1	20.6	17.4	18.3	17.8	18.7	19.2
	12H	19.2	20.0	19.7	20.5	21.0	17.5	18.3	18.0	18.8	19.3
8H	4H	17.8	18.7	18.2	19.1	19.6	17.2	18.1	17.6	18.5	19.0
	6H	18.9	19.6	19.3	20.1	20.6	17.8	18.5	18.3	19.0	19.5
	8H	19.4	20.1	19.9	20.6	21.1	18.0	18.7	18.5	19.2	19.7
	12H	19.9	20.5	20.5	21.0	21.6	18.2	18.7	18.7	19.2	19.8
12H	4H	17.8	18.6	18.3	19.1	19.6	17.3	18.1	17.7	18.5	19.0
	6H	18.9	19.6	19.4	20.1	20.6	17.9	18.6	18.4	19.1	19.6
	8H	19.5	20.1	20.0	20.6	21.2	18.2	18.8	18.7	19.3	19.8

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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	1741.5	1752.3	1765.1	1802.1	1879.8	1983.9	2121.6
50°	1651.7	1657.8	1670.2	1695.7	1759.9	1858.7	2009.5
55°	1566.2	1568.1	1577.7	1590.1	1639.7	1726.1	1885.0
60°	1481.7	1480.5	1483.1	1487.8	1520.5	1591.8	1752.1
65°	1407.5	1404.1	1392.2	1383.4	1402.8	1456.5	1612.9
70°	1343.7	1336.1	1301.4	1276.8	1279.1	1314.0	1463.4
75°	1277.2	1265.1	1216.6	1167.2	1138.3	1150.0	1285.7
80°	1206.7	1186.7	1138.0	1050.3	977.2	944.6	1051.4
85°	1155.3	1130.8	1077.9	968.0	822.8	705.0	734.3

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Family
Monsun® 11

Order number: 51FP10DP467L3H
EAN: 4069025268716

LP number
58939_159

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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