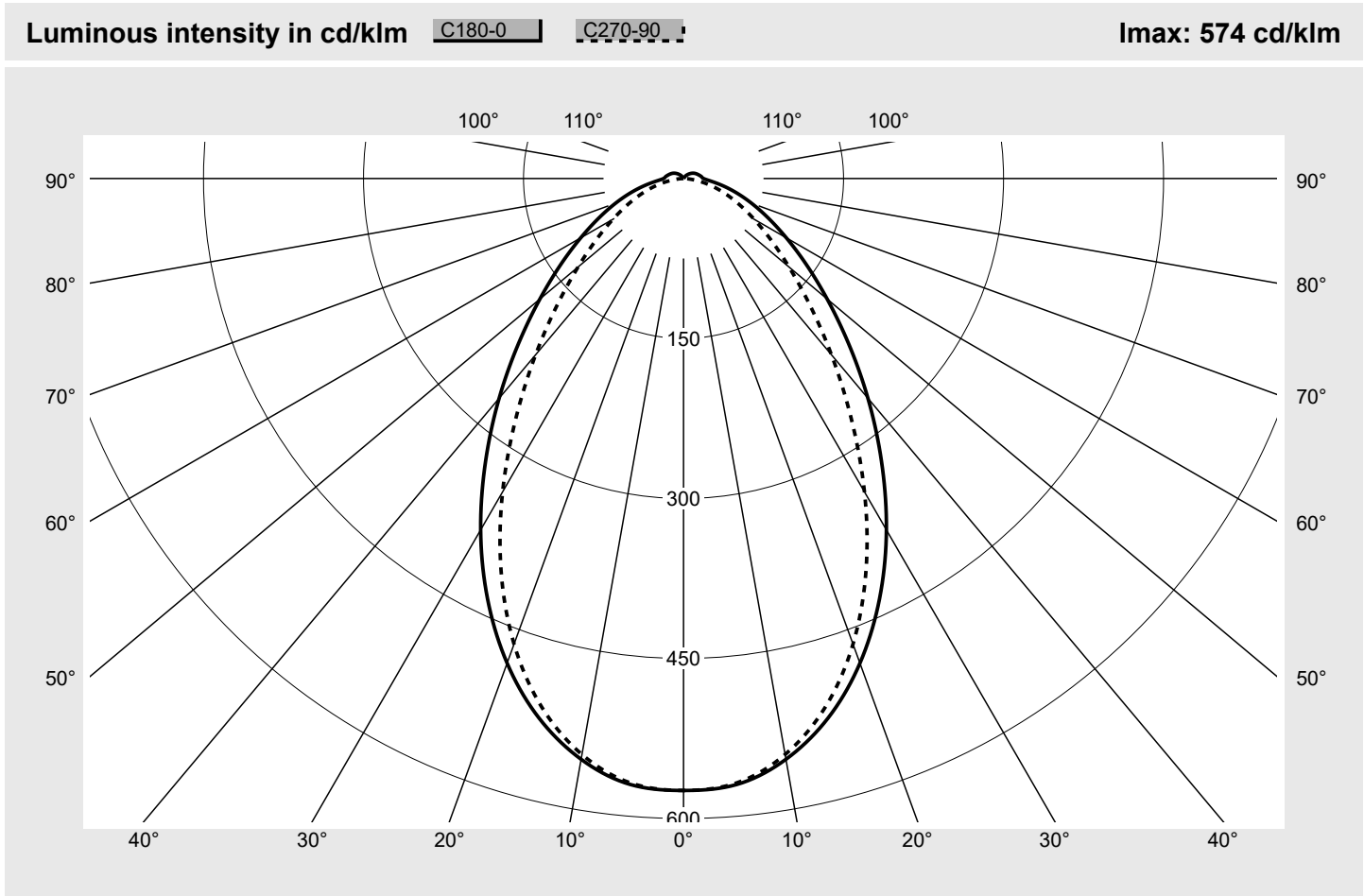


Photometric test report

Family Monsun® 11	Order number: 51FP12DP4B0U EAN: 4069025242556	LP number 59017_4
	Version	prismatic diffuser, opal, PMMA, medium distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 11850 lm Power consumption = 63.5 W Luminous efficacy = 186.6 lm/W
		serial documentation 20.08.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 1	η_{LB}	100.0%
CIE	N1=62 N2=86 N3=96	ϕ_u	96.8%
	N4=97 N5=100	ϕ_o	3.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 11	Order number: 51FP12DP4B0U EAN: 4069025242556	LP number 59017_4
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°	573.7	573.7	573.7	573.7	573.7	573.7	573.7	3.4	3.4
5°	570.3	568.6	565.3	566.8	568.6	568.5	568.9	27.1	30.6
10°	552.9	551.6	547.6	548.1	548.9	548.2	548.3	52.3	82.8
15°	523.6	522.5	517.4	516.3	515.5	513.5	513.2	73.4	156.2
20°	483.5	482.3	475.8	472.1	469.2	465.4	464.5	88.7	244.9
25°	434.8	433.2	425.0	418.2	412.4	406.6	404.9	97.1	342.0
30°	380.4	378.4	368.5	358.6	349.5	341.7	339.2	98.5	440.5
35°	323.5	320.9	310.2	297.8	285.8	276.6	273.8	93.8	534.3
40°	268.9	265.8	255.1	241.2	228.3	218.7	215.7	85.2	619.6
45°	218.7	215.3	205.0	191.3	178.8	169.7	167.2	74.5	694.0
50°	175.8	172.3	163.5	150.9	139.4	131.2	129.1	63.7	757.7
55°	140.4	137.2	129.8	118.8	108.7	101.5	99.7	53.6	811.3
60°	111.3	108.7	102.5	93.3	84.6	78.2	76.4	44.4	855.7
65°	87.6	85.4	80.2	72.6	65.4	59.6	57.6	36.1	891.8
70°	67.9	66.3	61.5	55.4	49.2	44.0	41.8	28.4	920.2
75°	51.0	49.6	45.6	40.4	35.0	30.3	27.9	21.2	941.4
80°	36.3	35.1	32.0	27.3	22.3	18.0	15.5	14.5	955.9
85°	24.8	23.8	21.1	17.0	12.4	8.3	5.7	8.9	964.8
90°	18.7	17.8	15.3	11.6	7.2	3.2	0.9	5.9	970.7
95°	17.1	16.3	14.0	10.5	6.3	2.5	0.8	5.3	976.0
100°	15.6	14.8	12.6	9.3	5.4	1.8	0.7	4.7	980.7
105°	14.2	13.4	11.2	8.0	4.4	1.2	0.6	4.0	984.7
110°	12.8	12.0	9.8	6.8	3.4	0.8	0.6	3.4	988.1
115°	11.5	10.5	8.5	5.6	2.5	0.8	0.6	2.8	990.9
120°	9.9	9.0	7.2	4.5	1.8	0.8	0.7	2.3	993.2
125°	8.3	7.4	5.7	3.3	1.2	0.8	0.7	1.7	994.9
130°	6.6	5.9	4.3	2.4	1.2	0.9	0.9	1.3	996.2
135°	5.0	4.4	3.2	1.7	1.3	1.0	1.0	0.9	997.2
140°	3.5	3.0	2.2	1.6	1.4	1.2	1.2	0.7	997.8
145°	2.3	2.1	1.9	1.7	1.5	1.4	1.4	0.5	998.4
150°	2.0	2.0	1.9	1.7	1.5	1.4	1.4	0.5	998.9
155°	2.0	1.9	1.8	1.7	1.5	1.5	1.5	0.4	999.3
160°	1.8	1.8	1.7	1.6	1.5	1.5	1.5	0.3	999.6
165°	1.5	1.6	1.6	1.5	1.5	1.5	1.5	0.2	999.8
170°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.1	999.9
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.1	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1000.0

Photometric test report

Family Monsun® 11		Order number: 51FP12DP4B0U EAN: 4069025242556							LP number 59017_4	
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	21.5	23.0	21.8	23.3	23.6	20.4	21.9	20.8	22.2
	3H	22.6	23.9	22.9	24.3	24.6	21.3	22.7	21.7	23.0
	4H	23.1	24.3	23.4	24.7	25.1	21.7	23.0	22.1	23.3
	6H	23.5	24.6	23.9	25.0	25.4	21.9	23.1	22.3	23.5
	8H	23.7	24.7	24.1	25.1	25.5	22.0	23.1	22.5	23.5
	12H	23.8	24.8	24.3	25.2	25.6	22.1	23.1	22.5	23.5
4H	2H	21.8	23.1	22.2	23.5	23.8	21.0	22.2	21.4	22.6
	3H	23.1	24.2	23.6	24.6	25.0	22.1	23.1	22.5	23.5
	4H	23.7	24.7	24.2	25.1	25.6	22.5	23.5	23.0	23.9
	6H	24.3	25.1	24.7	25.6	26.0	22.9	23.7	23.3	24.1
	8H	24.5	25.3	25.0	25.7	26.2	23.0	23.7	23.4	24.2
	12H	24.8	25.4	25.2	25.9	26.4	23.0	23.7	23.5	24.2
8H	4H	23.9	24.7	24.4	25.1	25.6	22.8	23.6	23.3	24.0
	6H	24.6	25.2	25.1	25.7	26.2	23.3	23.9	23.8	24.4
	8H	24.9	25.5	25.4	25.9	26.5	23.4	24.0	23.9	24.5
	12H	25.2	25.7	25.7	26.2	26.7	23.5	24.0	24.0	24.5
12H	4H	23.9	24.6	24.4	25.1	25.6	22.9	23.6	23.4	24.0
	6H	24.6	25.2	25.1	25.7	26.2	23.4	23.9	23.9	24.4
	8H	25.0	25.4	25.5	25.9	26.5	23.5	24.0	24.1	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° 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°		21347.2	21092.4	20433.3	19635.8	19131.9	19115.6	19993.0
50°		18193.5	17914.4	17335.9	16561.6	16053.3	16042.6	16940.5
55°		15598.3	15315.3	14822.6	14119.0	13658.6	13684.7	14615.3
60°		13449.2	13205.0	12780.1	12184.1	11798.3	11846.6	12797.5
65°		11698.6	11487.9	11119.7	10614.3	10326.4	10397.7	11355.1
70°		10219.8	10068.3	9678.6	9279.5	9039.3	9123.5	10105.6
75°		8873.4	8725.4	8359.1	8005.1	7747.5	7822.0	8792.4
80°		7568.5	7400.7	7105.7	6656.0	6298.6	6240.5	7117.8
85°		6484.9	6305.9	5996.4	5467.9	4855.3	4372.0	4852.3

Photometric test report

Family
Monsun® 11

Order number: **51FP12DP4B0U**
EAN: **4069025242556**

LP number
59017_4

Luminance values in cd/m²

γ 65°

γ 70°

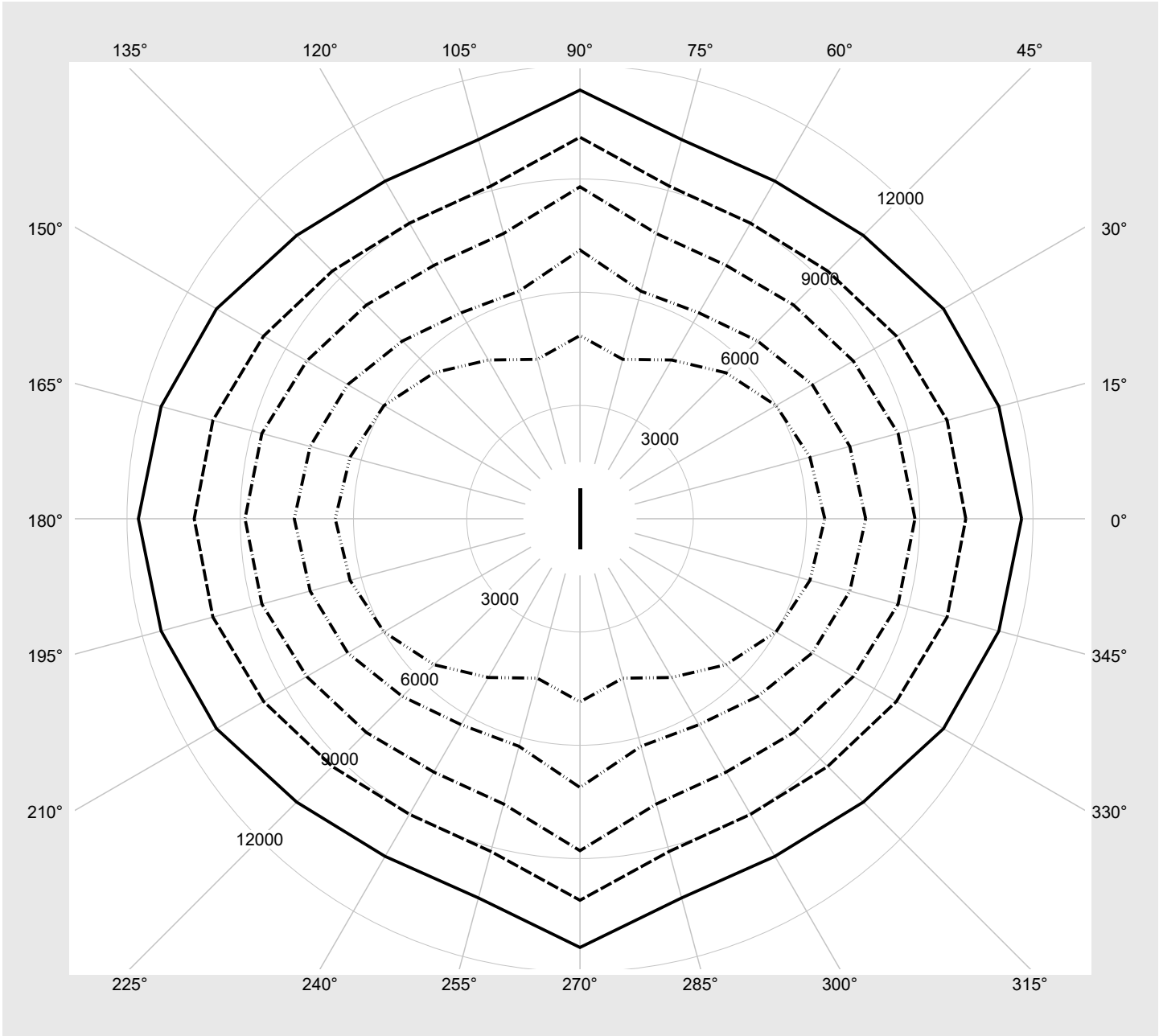
γ 75°

γ 80°

γ 85°

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eco



Photometric test report

Family Monsun® 11	Order number: 51FP12DP4B0U EAN: 4069025242556	LP number 59017_4
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	11850	63.5
95	240	252	11238	59.9
90	227	250	10668	56.7
85	214	248	10091	53.4
80	200	245	9468	49.9
75	187	243	8882	46.7
70	174	240	8296	43.4
65	161	237	7704	40.2
60	148	234	7108	37.1
55	135	231	6506	33.9
50	123	227	5948	31.0
45	110	223	5336	27.9
40	97	219	4721	24.8
35	85	214	4148	21.8
30	73	208	3572	18.9
25	60	201	2942	15.8
20	48	193	2353	12.8
15	36	182	1761	9.8
10	24	168	1163	6.7
5	13	145	613	3.8
2	5	110	209	1.5