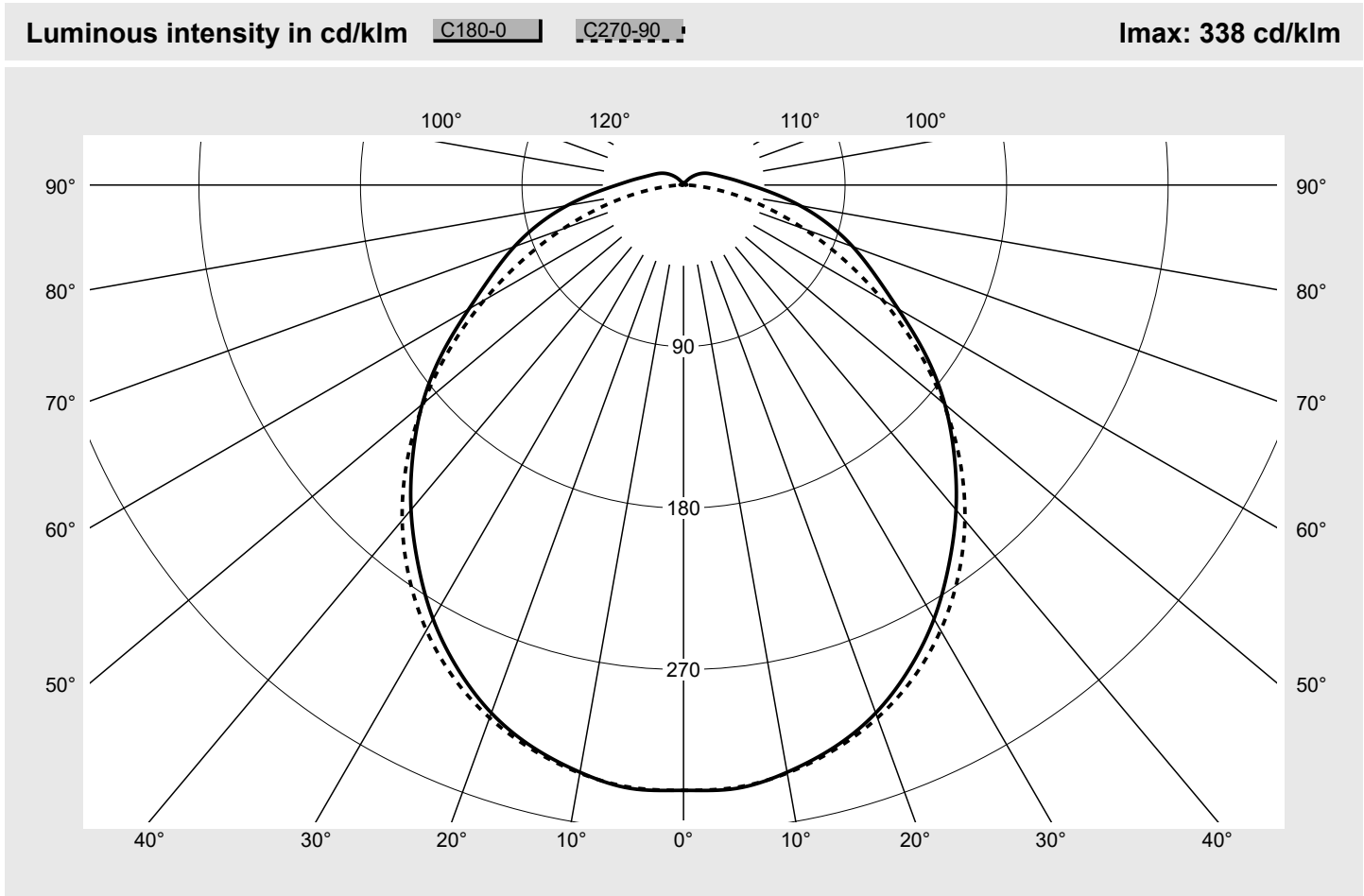


Photometric test report

Family Monsun® 11	Order number: 51FF40DP460L007 EAN: 4069025268617	LP number 59020_7
	Version	prismatic diffuser, opal, PMMA, impact resistant, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 6190 lm Power consumption = 31.8 W Luminous efficacy = 194.7 lm/W
		serial documentation 30.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=77 N3=93	ϕ_u	94.8%
	N4=95 N5=100	ϕ_o	5.2%

Measurement conditions	
DIN EN 13032 and DIN 5032	

Photometric test report

Family Monsun® 11	Order number: 51FF40DP460L007 EAN: 4069025268617	LP number 59020_7
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°	337.3	337.3	337.3	337.3	337.3	337.3	337.3	2.0	2.0
5°	337.5	336.4	334.5	335.8	337.2	336.9	336.9	16.1	18.1
10°	332.2	331.9	329.8	331.2	333.0	332.9	332.8	31.6	49.7
15°	324.3	324.6	322.6	323.9	325.4	325.8	325.7	46.0	95.7
20°	313.1	314.1	312.1	313.6	315.1	315.7	315.9	58.9	154.6
25°	297.5	298.9	297.5	299.8	301.9	302.4	303.0	69.5	224.1
30°	279.2	281.0	279.9	281.8	284.8	285.5	286.5	77.5	301.6
35°	257.9	260.0	259.0	261.1	264.4	265.2	266.6	82.4	384.0
40°	236.2	237.9	236.5	237.1	240.1	242.3	243.9	84.2	468.2
45°	213.3	214.4	212.9	211.4	213.4	215.8	217.9	82.9	551.1
50°	190.1	190.6	188.8	186.3	185.4	186.8	189.1	78.9	630.0
55°	164.5	165.1	164.4	160.2	157.7	156.9	158.8	72.3	702.3
60°	138.1	138.1	137.0	134.7	130.2	127.4	128.2	63.3	765.6
65°	117.3	116.4	112.4	108.2	104.2	99.4	98.8	53.7	819.3
70°	100.3	99.0	91.7	84.5	79.3	73.6	71.6	44.1	863.5
75°	83.2	81.7	74.7	65.1	57.1	50.8	47.3	34.8	898.3
80°	65.8	64.5	59.3	48.9	38.3	30.8	26.4	25.9	924.2
85°	49.5	48.3	44.5	35.6	23.7	15.0	10.1	17.9	942.1
90°	37.1	36.3	33.4	26.4	15.8	6.7	2.1	12.6	954.7
95°	29.4	28.9	27.0	22.0	13.4	5.0	1.8	10.2	964.9
100°	23.9	23.5	21.8	17.7	11.0	3.7	1.6	8.1	973.0
105°	20.2	19.6	17.9	14.3	8.4	2.4	1.4	6.5	979.5
110°	17.5	16.7	15.0	11.5	6.2	1.4	1.2	5.2	984.7
115°	15.3	14.5	12.7	9.2	4.4	1.2	1.1	4.2	988.8
120°	13.2	12.3	10.5	7.1	2.9	1.2	1.0	3.2	992.1
125°	11.0	10.1	8.2	5.1	1.7	1.1	1.0	2.4	994.5
130°	8.6	7.8	6.1	3.4	1.3	1.0	1.0	1.7	996.2
135°	6.4	5.7	4.2	2.0	1.3	1.0	1.0	1.2	997.3
140°	4.2	3.7	2.5	1.6	1.3	1.1	1.1	0.7	998.1
145°	2.4	2.1	1.8	1.6	1.3	1.1	1.1	0.5	998.6
150°	1.9	1.8	1.7	1.5	1.2	1.2	1.2	0.4	999.0
155°	1.7	1.7	1.6	1.5	1.3	1.3	1.3	0.3	999.4
160°	1.6	1.6	1.5	1.3	1.3	1.3	1.3	0.3	999.6
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.8
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.3	1.3	1.4	1.4	0.1	1000.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1000.0

Photometric test report

Family Monsun® 11		Order number: 51FF40DP460L007 EAN: 4069025268617							LP number 59020_7	
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	20.1	21.8	20.4	22.1	22.4	20.4	22.1	20.7	22.4
	3H	21.7	23.2	22.1	23.6	23.9	21.7	23.2	22.0	23.5
	4H	22.5	24.0	22.9	24.3	24.7	22.2	23.6	22.5	24.0
	6H	23.3	24.6	23.7	25.0	25.4	22.5	23.8	22.9	24.2
	8H	23.6	24.9	24.0	25.3	25.7	22.6	23.9	23.0	24.3
	12H	23.9	25.1	24.4	25.5	25.9	22.7	23.9	23.1	24.2
4H	2H	20.8	22.2	21.2	22.6	22.9	21.0	22.4	21.4	22.8
	3H	22.6	23.8	23.0	24.2	24.6	22.5	23.7	22.9	24.1
	4H	23.5	24.7	24.0	25.1	25.5	23.1	24.2	23.5	24.6
	6H	24.4	25.4	24.9	25.9	26.3	23.5	24.5	24.0	24.9
	8H	24.9	25.8	25.3	26.2	26.7	23.7	24.6	24.1	25.0
	12H	25.3	26.1	25.8	26.5	27.0	23.8	24.6	24.2	25.0
8H	4H	23.8	24.8	24.3	25.2	25.7	23.4	24.3	23.9	24.8
	6H	24.9	25.7	25.4	26.2	26.7	24.0	24.8	24.5	25.2
	8H	25.5	26.2	26.0	26.6	27.2	24.2	24.9	24.7	25.4
	12H	26.0	26.6	26.5	27.1	27.6	24.4	24.9	24.9	25.4
12H	4H	23.9	24.7	24.4	25.2	25.6	23.5	24.3	24.0	24.8
	6H	25.0	25.7	25.5	26.2	26.7	24.2	24.8	24.7	25.3
	8H	25.6	26.2	26.1	26.7	27.2	24.4	25.0	24.9	25.5

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°		10875.2	10970.5	11082.1	11337.0	11930.9	12702.5	13611.4
50°		10275.5	10348.8	10457.8	10680.4	11151.4	11934.9	12961.0
55°		9543.5	9626.8	9803.3	9940.8	10347.2	11051.2	12162.2
60°		8715.0	8770.0	8928.4	9187.7	9481.3	10083.7	11213.8
65°		8187.0	8176.0	8138.7	8268.2	8599.2	9060.6	10177.6
70°		7890.3	7853.3	7533.7	7395.2	7611.8	7978.2	9040.6
75°		7566.2	7506.2	7154.9	6731.3	6612.9	6851.0	7795.0
80°		7162.6	7099.4	6874.9	6233.3	5641.8	5556.7	6319.9
85°		6756.5	6701.6	6596.0	5974.8	4851.7	4135.5	4484.5

Photometric test report

Family
Monsun® 11

Order number: 51FF40DP460L007
EAN: 4069025268617

LP number
59020_7

Luminance values in cd/m²

γ 65°

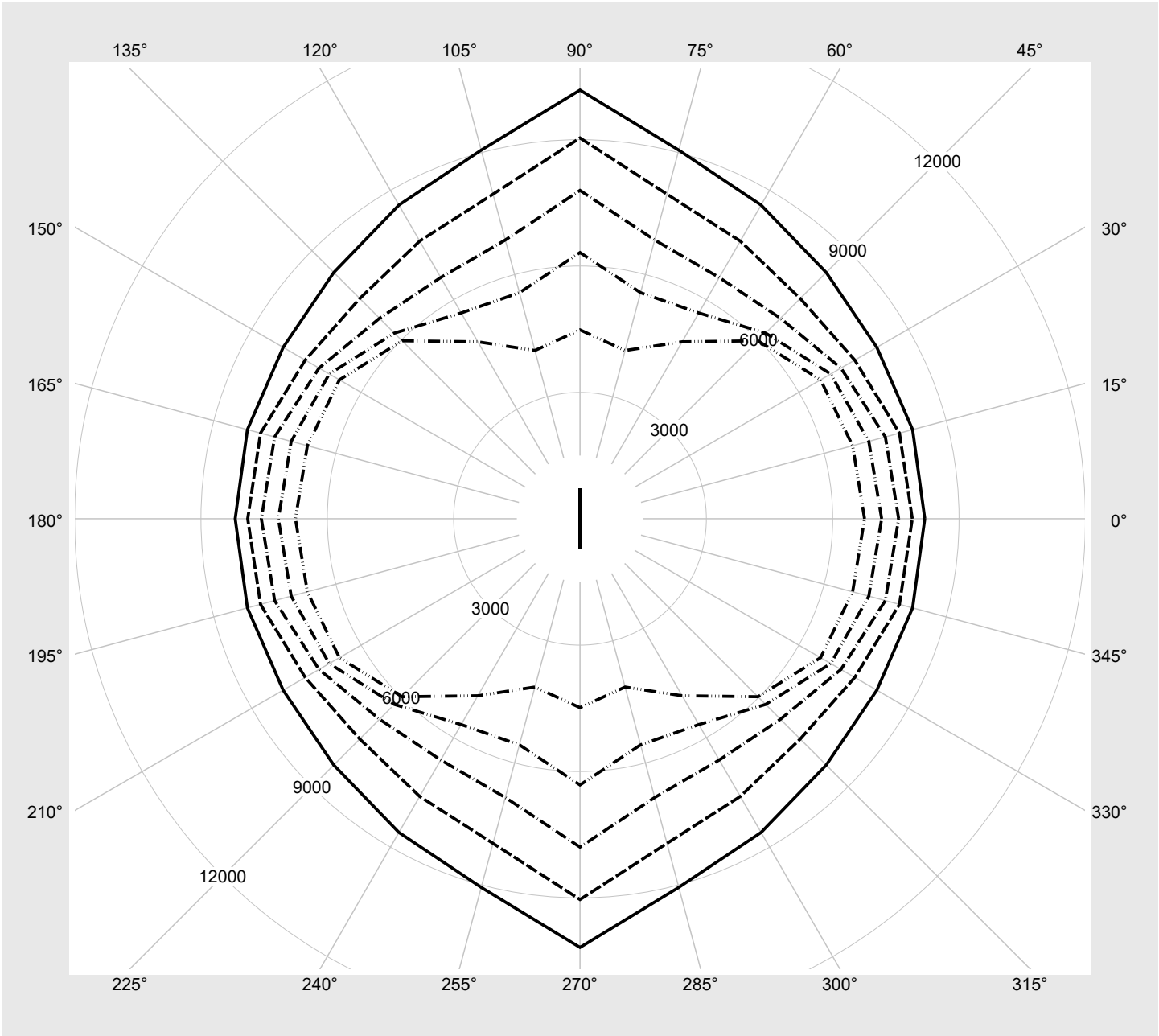
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 11	Order number: 51FF40DP460L007 EAN: 4069025268617	LP number 59020_7
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	6190	31.8
95	241	252	5890	30.3
90	227	250	5566	28.7
85	214	248	5263	27.2
80	201	245	4959	25.8
75	188	243	4652	24.2
70	175	240	4344	22.7
65	162	238	4034	21.2
60	149	234	3721	19.6
55	136	231	3406	18.1
50	123	227	3090	16.4
45	111	224	2796	14.9
40	98	219	2475	13.3
35	86	214	2178	11.7
30	73	208	1854	10.1
25	61	202	1552	8.6
20	49	194	1247	7.2
15	37	183	939	5.8
10	25	169	629	4.4
5	13	145	317	3.2
3	8	127	187	2.9