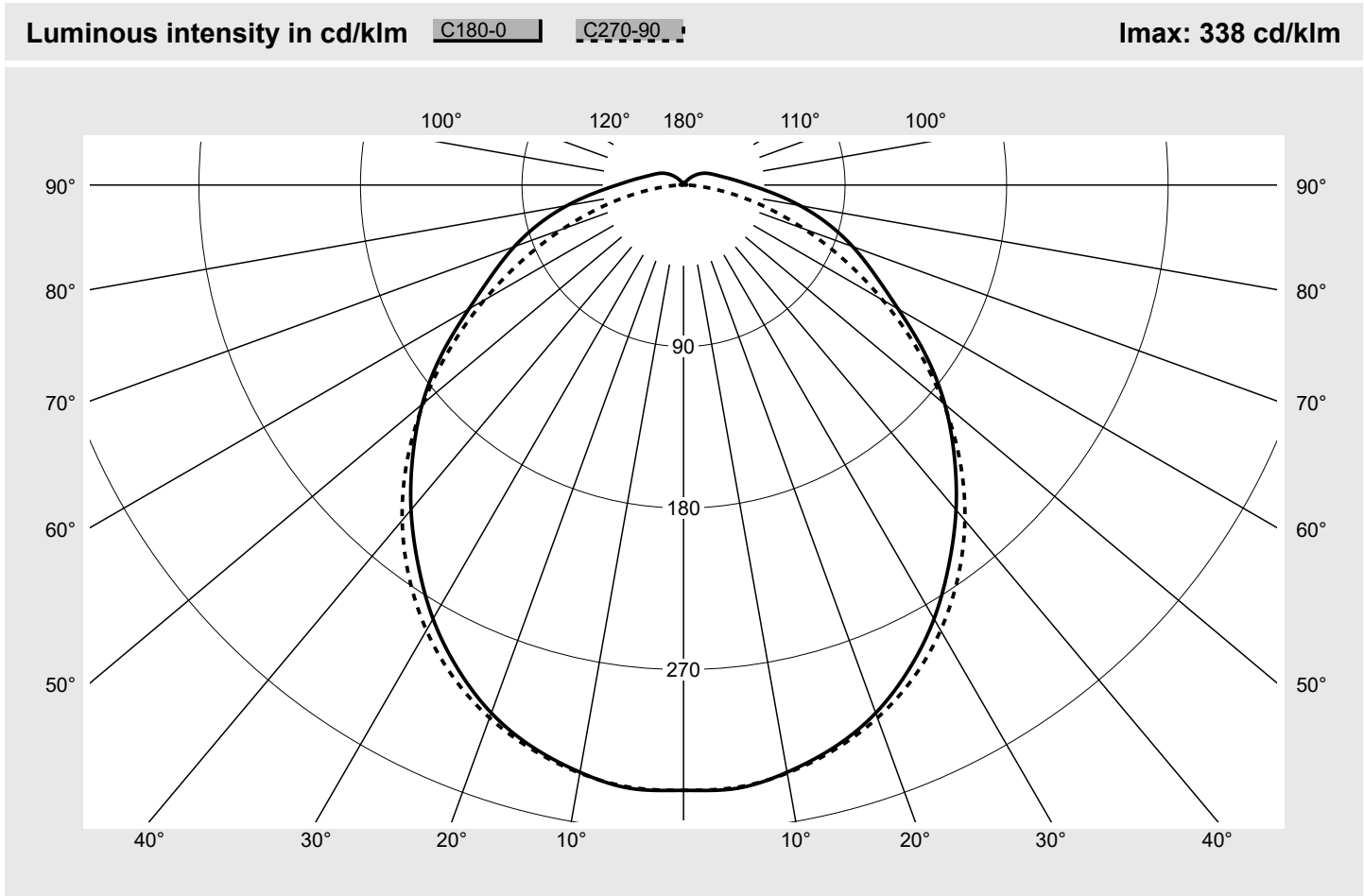


Photometric test report

Family Monsun® 11	Order number: 51FF40DP360L007 EAN: 4069025374615	LP number 59020_10
	Version	prismatic diffuser, opal, PMMA, impact resistant, wide distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 6190 lm Power consumption = 33.4 W Luminous efficacy = 185.3 lm/W
		serial documentation 18.02.2025
		



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: 51FF40DP360L007 EAN: 4069025374615	LP number 59020_10
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: 51FF40DP360L007 EAN: 4069025374615	LP number 59020_10
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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	20.1	21.8	20.4	22.1	22.4	20.4	22.1	20.7	22.4	22.7
	3H	21.7	23.2	22.1	23.6	23.9	21.7	23.2	22.0	23.5	23.9
	4H	22.5	24.0	22.9	24.3	24.7	22.2	23.6	22.5	24.0	24.3
	6H	23.3	24.6	23.7	25.0	25.4	22.5	23.8	22.9	24.2	24.6
	8H	23.6	24.9	24.0	25.3	25.7	22.6	23.9	23.0	24.3	24.7
	12H	23.9	25.1	24.4	25.5	25.9	22.7	23.9	23.1	24.2	24.7
4H	2H	20.8	22.2	21.2	22.6	22.9	21.0	22.4	21.4	22.8	23.1
	3H	22.6	23.8	23.0	24.2	24.6	22.5	23.7	22.9	24.1	24.5
	4H	23.5	24.7	24.0	25.1	25.5	23.1	24.2	23.5	24.6	25.0
	6H	24.4	25.4	24.9	25.9	26.3	23.5	24.5	24.0	24.9	25.4
	8H	24.9	25.8	25.3	26.2	26.7	23.7	24.6	24.1	25.0	25.5
	12H	25.3	26.1	25.8	26.5	27.0	23.8	24.6	24.2	25.0	25.5
8H	4H	23.8	24.8	24.3	25.2	25.7	23.4	24.3	23.9	24.8	25.3
	6H	24.9	25.7	25.4	26.2	26.7	24.0	24.8	24.5	25.2	25.7
	8H	25.5	26.2	26.0	26.6	27.2	24.2	24.9	24.7	25.4	25.9
	12H	26.0	26.6	26.5	27.1	27.6	24.4	24.9	24.9	25.4	26.0
12H	4H	23.9	24.7	24.4	25.2	25.6	23.5	24.3	24.0	24.8	25.3
	6H	25.0	25.7	25.5	26.2	26.7	24.2	24.8	24.7	25.3	25.8
	8H	25.6	26.2	26.1	26.7	27.2	24.4	25.0	24.9	25.5	26.0

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°	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: 51FF40DP360L007
EAN: 4069025374615

LP number
59020_10

Luminance values in cd/m²

γ 65°

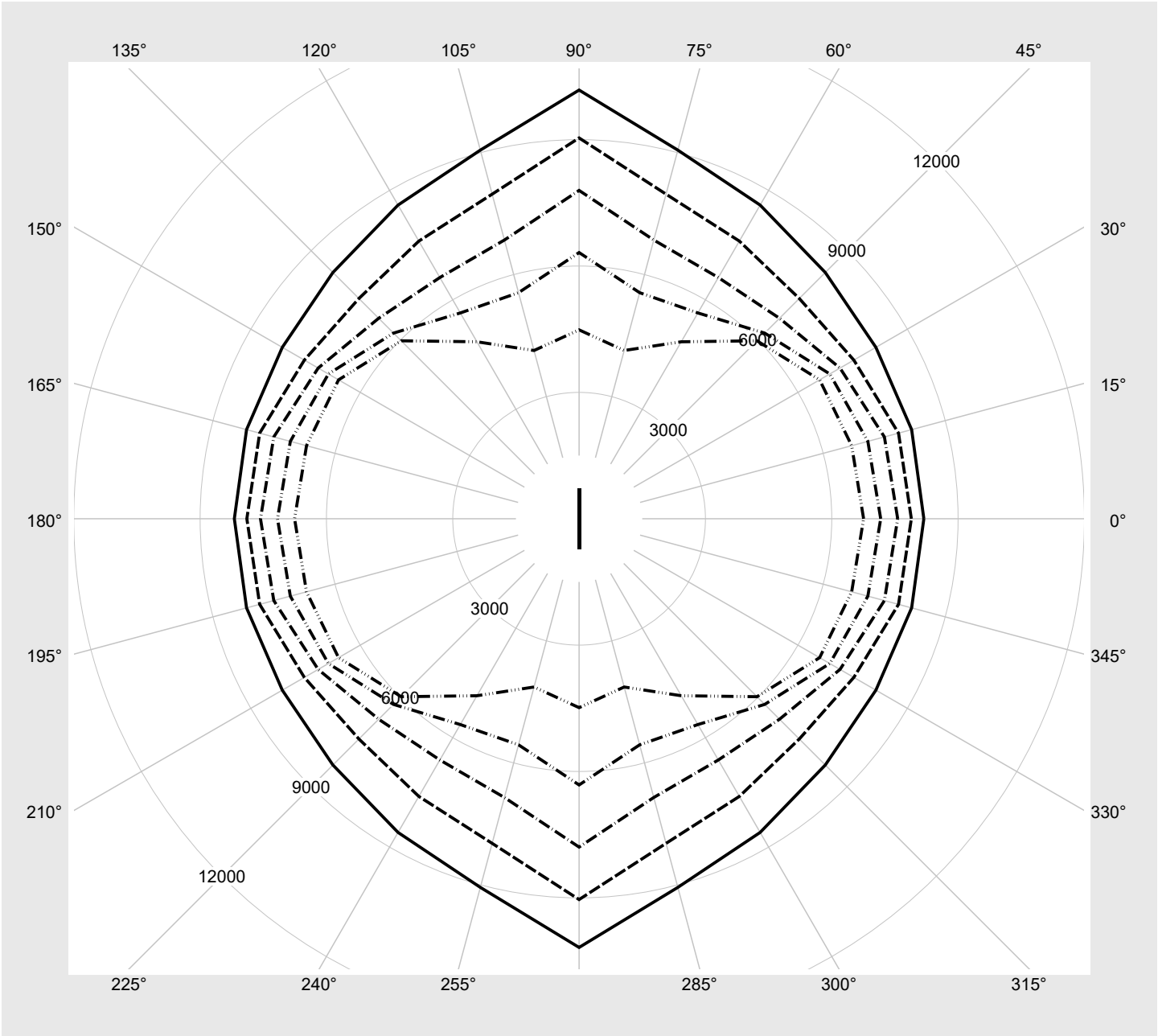
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 11	Order number: 51FF40DP360L007 EAN: 4069025374615	LP number 59020_10
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	33.4
95	240	252	5872	31.7
90	227	250	5571	30.0
85	214	248	5269	28.5
80	200	245	4941	26.8
75	187	243	4635	25.3
70	174	240	4325	23.7
65	161	237	4015	22.1
60	148	234	3703	20.5
55	136	231	3412	18.9
50	123	227	3094	17.3
45	110	223	2775	15.6
40	98	219	2479	13.9
35	85	214	2155	12.2
30	73	208	1857	10.6
25	61	202	1555	9.0
20	49	194	1250	7.5
15	36	182	918	5.9
10	24	168	609	4.5
5	12	142	298	3.2
3	7	122	168	2.9