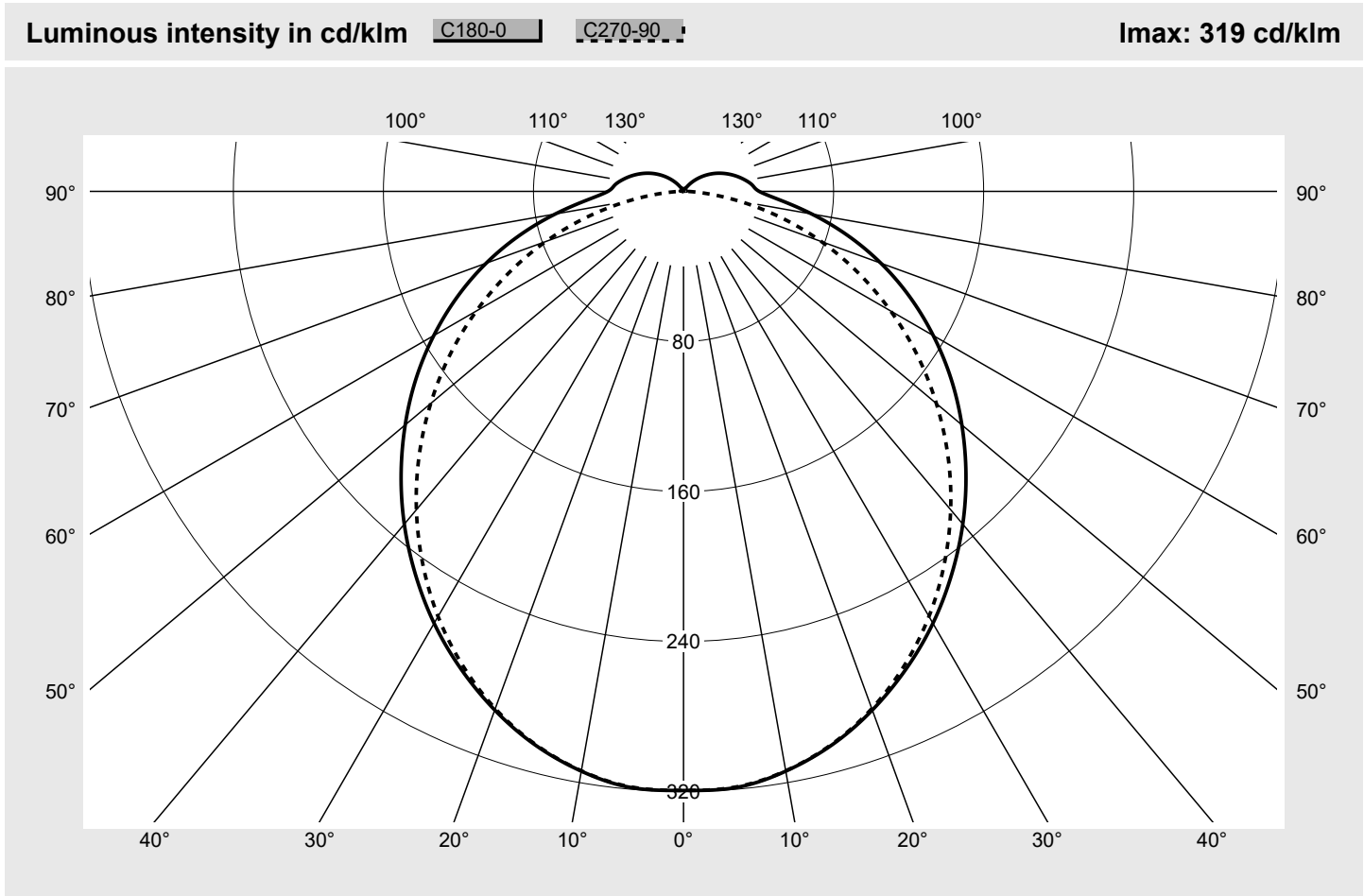


Photometric test report

Family Monsun® 21	Order number: 51FB20DP460C007 EAN: 4069025178428	LP number 59060_114
	Version	prismatic diffuser, opal, polycarbonate, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 5460 lm Power consumption = 32.7 W Luminous efficacy = 167 lm/W
		serial documentation 08.05.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=45 N2=75 N3=93	ϕ_u	93.7%
	N4=94 N5=100	ϕ_o	6.3%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB20DP460C007 EAN: 4069025178428	LP number 59060_114
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°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	1.9	1.9
5°	319.1	317.8	316.0	317.2	318.6	318.6	318.8	15.2	17.1
10°	313.9	312.8	311.0	312.1	313.5	313.5	313.7	29.8	46.9
15°	305.6	304.7	302.7	303.7	305.0	304.9	305.2	43.2	90.1
20°	294.3	293.5	291.4	292.2	293.3	293.1	293.5	54.9	145.0
25°	280.9	280.2	277.7	277.9	278.8	278.5	278.8	64.6	209.6
30°	265.9	265.3	262.4	261.6	261.9	261.4	261.7	72.0	281.6
35°	249.2	248.5	245.6	243.7	242.9	242.2	242.4	77.0	358.5
40°	231.6	230.8	227.5	224.6	222.7	221.4	221.6	79.5	438.0
45°	212.9	211.8	208.5	204.2	201.3	199.0	199.4	79.5	517.5
50°	193.7	192.3	188.8	183.7	179.4	175.9	176.0	77.3	594.9
55°	174.1	172.4	168.8	162.7	157.2	152.3	152.1	73.1	667.9
60°	153.8	152.1	148.1	141.4	134.9	128.8	127.5	66.9	734.9
65°	133.1	131.4	127.0	119.9	112.8	105.5	102.8	59.2	794.0
70°	112.0	110.4	105.0	98.0	90.2	82.2	78.2	49.9	843.9
75°	90.5	88.8	83.0	75.7	67.3	58.8	53.6	39.3	883.2
80°	69.4	67.4	62.0	54.0	45.3	36.4	30.4	28.3	911.6
85°	51.2	49.1	43.8	35.9	26.7	17.7	11.3	18.6	930.2
90°	40.3	38.3	33.0	25.3	16.4	7.5	1.9	12.9	943.1
95°	36.9	35.1	30.2	22.8	14.1	5.6	1.6	11.6	954.7
100°	33.7	31.9	27.1	20.1	11.9	4.0	1.5	10.1	964.8
105°	30.1	28.5	23.8	17.3	9.5	2.6	1.3	8.6	973.4
110°	26.5	24.6	20.5	14.4	7.3	1.5	1.2	7.1	980.4
115°	22.8	21.1	17.3	11.6	5.2	1.3	1.2	5.7	986.1
120°	19.1	17.5	14.1	8.9	3.4	1.3	1.1	4.4	990.5
125°	15.4	13.9	10.8	6.2	1.7	1.2	1.0	3.2	993.6
130°	11.8	10.5	7.7	3.9	1.4	1.2	1.0	2.2	995.8
135°	8.3	7.2	5.0	2.0	1.4	1.2	1.1	1.4	997.2
140°	5.1	4.3	2.5	1.6	1.3	1.1	1.0	0.8	998.0
145°	2.4	2.0	1.8	1.6	1.4	1.2	1.2	0.5	998.5
150°	1.9	1.9	1.8	1.5	1.4	1.3	1.2	0.4	999.0
155°	1.8	1.8	1.6	1.5	1.4	1.3	1.3	0.4	999.3
160°	1.6	1.6	1.5	1.5	1.4	1.4	1.3	0.3	999.6
165°	1.5	1.5	1.4	1.4	1.4	1.4	1.3	0.2	999.8
170°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.4	1.4	1.4	1.3	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® 21	Order number: 51FB20DP460C007 EAN: 4069025178428	LP number 59060_114
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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	20.0	21.7	20.4	22.0	22.4	19.8	21.5	20.2	21.8	22.2
	3H	21.8	23.4	22.2	23.7	24.1	21.4	22.9	21.7	23.3	23.6
	4H	22.6	24.1	23.0	24.5	24.8	22.0	23.5	22.4	23.8	24.2
	6H	23.4	24.7	23.8	25.1	25.5	22.4	23.8	22.8	24.1	24.5
	8H	23.7	25.0	24.1	25.4	25.8	22.5	23.8	23.0	24.2	24.6
	12H	24.0	25.2	24.4	25.6	26.0	22.6	23.8	23.0	24.2	24.6
4H	2H	20.7	22.2	21.1	22.6	22.9	20.6	22.1	21.0	22.4	22.8
	3H	22.7	24.0	23.2	24.4	24.8	22.3	23.6	22.8	24.0	24.4
	4H	23.7	24.9	24.1	25.3	25.7	23.1	24.2	23.5	24.6	25.1
	6H	24.6	25.6	25.0	26.0	26.5	23.6	24.6	24.1	25.1	25.5
	8H	25.0	25.9	25.4	26.3	26.8	23.8	24.7	24.2	25.2	25.6
	12H	25.3	26.2	25.8	26.6	27.1	23.9	24.7	24.4	25.2	25.7
8H	4H	24.0	25.0	24.5	25.4	25.9	23.5	24.4	24.0	24.9	25.3
	6H	25.1	25.9	25.6	26.3	26.8	24.2	25.0	24.7	25.4	25.9
	8H	25.6	26.3	26.1	26.8	27.3	24.4	25.1	24.9	25.6	26.1
	12H	26.1	26.7	26.6	27.2	27.7	24.6	25.2	25.1	25.7	26.2
12H	4H	24.1	24.9	24.6	25.4	25.9	23.6	24.4	24.1	24.9	25.4
	6H	25.2	25.9	25.7	26.3	26.9	24.3	25.0	24.8	25.5	26.0
	8H	25.7	26.3	26.2	26.8	27.3	24.6	25.2	25.1	25.7	26.2

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°	9575.5	9562.3	9573.1	9661.0	9922.9	10330.4	10983.3			
	50°	9237.8	9210.7	9225.2	9288.9	9518.2	9911.1	10638.0			
	55°	8909.8	8866.1	8879.4	8905.9	9100.4	9463.6	10271.7			
	60°	8559.2	8516.0	8512.4	8511.4	8667.5	8994.2	9840.7			
	65°	8190.6	8144.7	8107.4	8081.8	8207.0	8480.4	9332.2			
	70°	7771.2	7720.6	7612.6	7565.9	7635.8	7857.1	8705.8			
	75°	7259.0	7194.3	7015.4	6906.5	6874.2	7002.9	7796.0			
	80°	6661.5	6543.9	6342.3	6068.8	5882.3	5800.6	6438.4			
	85°	6173.9	6008.7	5725.7	5312.4	4809.6	4298.4	4453.4			

Photometric test report

Family
Monsun® 21

Order number: 51FB20DP460C007
EAN: 4069025178428

LP number
59060_114

Luminance values in cd/m²

γ 65°

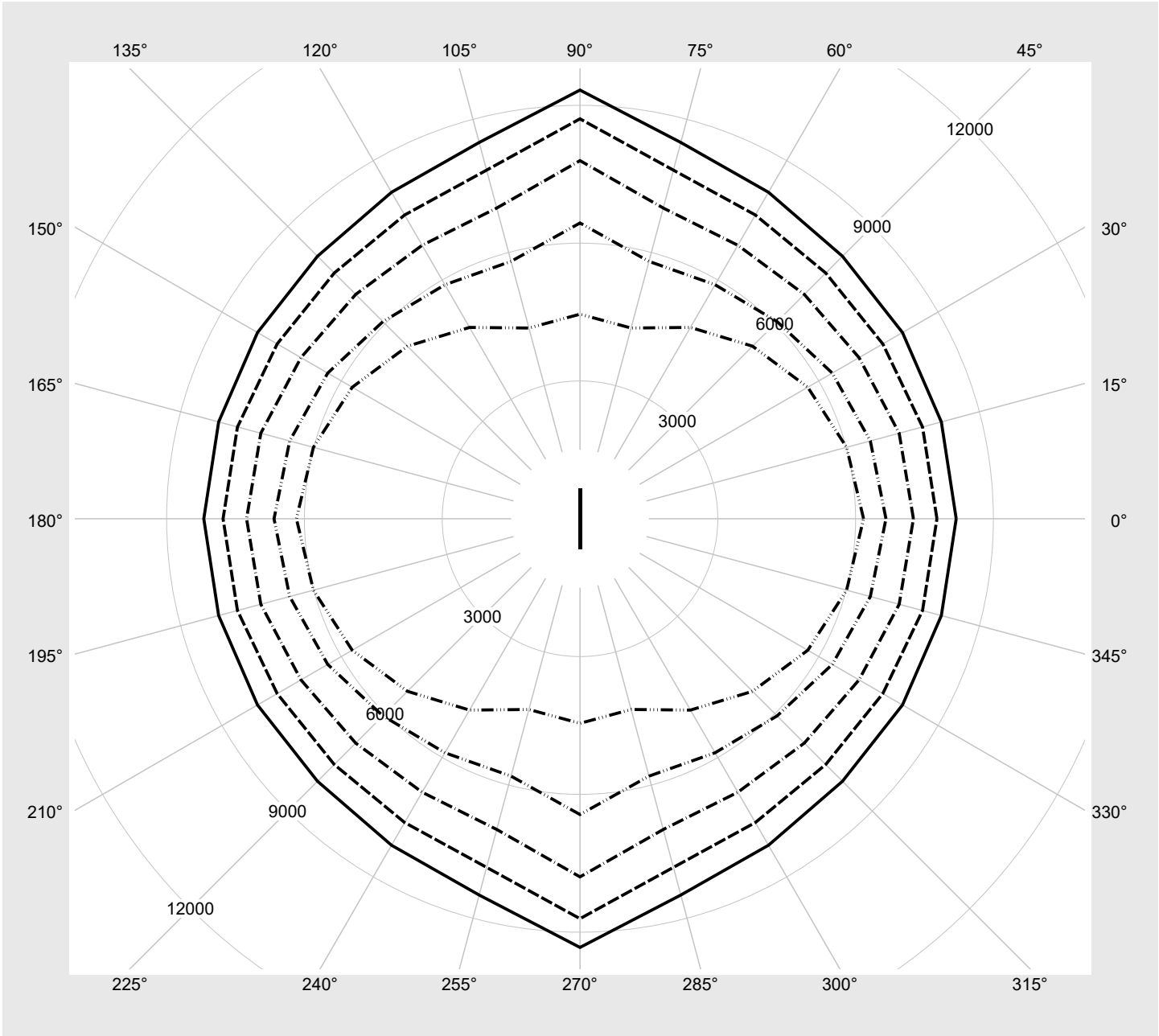
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 21	Order number: 51FB20DP460C007 EAN: 4069025178428	LP number 59060_114
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5460	32.7
95	241	252	5193	31.1
90	228	250	4923	29.6
85	214	248	4631	28.0
80	201	245	4358	26.5
75	189	243	4105	25.2
70	176	241	3830	23.6
65	163	238	3553	22.1
60	150	235	3276	20.6
55	137	231	2996	18.9
50	125	228	2738	17.4
45	112	224	2456	15.7
40	99	219	2173	14.0
35	87	215	1911	12.4
30	74	209	1629	10.7
25	62	202	1365	9.2
20	50	194	1100	7.6
15	37	183	812	6.1
10	25	169	545	4.6
5	13	145	277	3.4
3	8	127	165	3.1