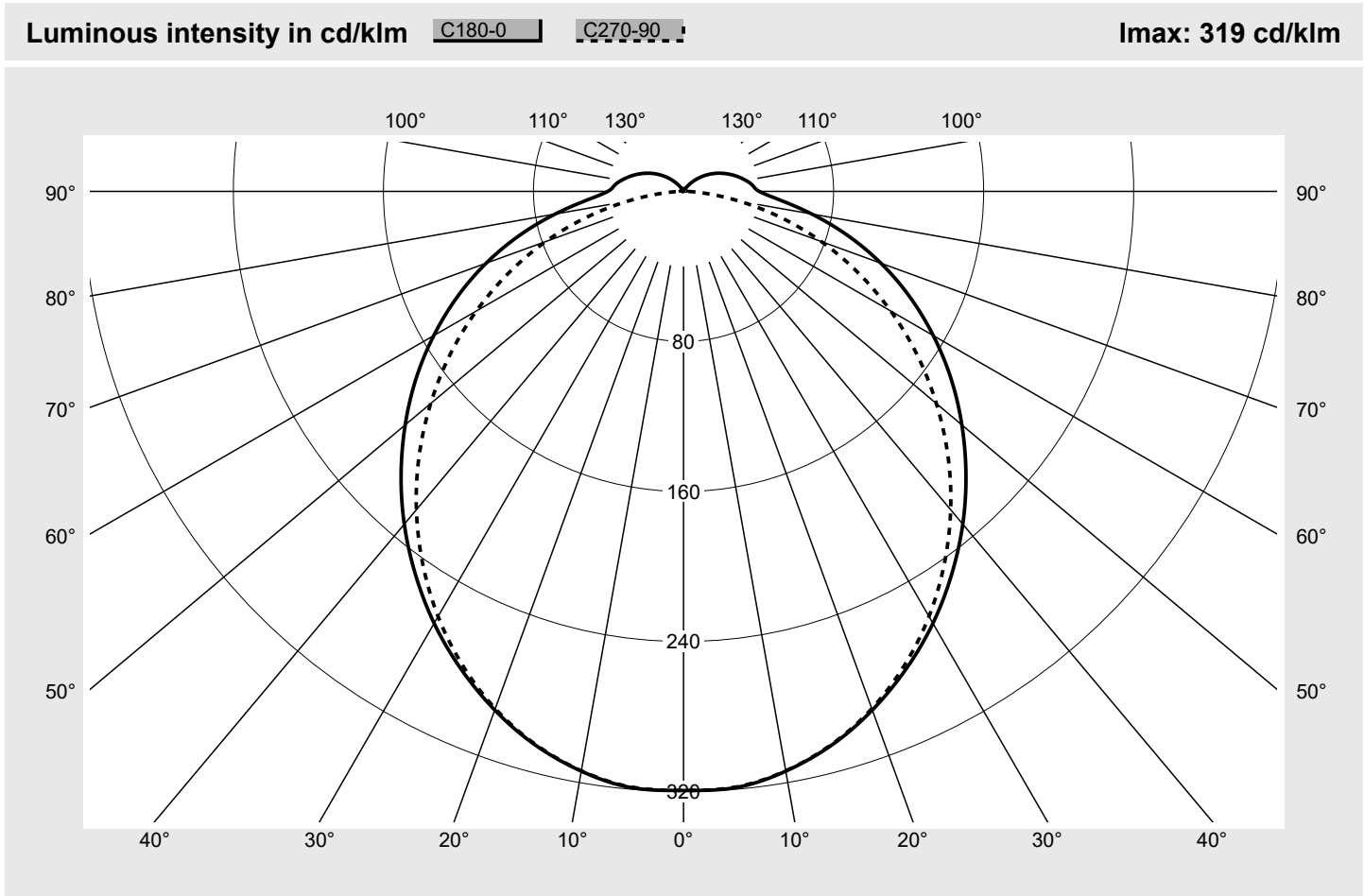


Photometric test report

Family Monsun® 11	Order number: 51FP20DP4B0U007 EAN: 4069025242617	LP number 59060_134
	Version	prismatic diffuser, opal, polycarbonate, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 10950 lm Power consumption = 63.7 W Luminous efficacy = 171.9 lm/W
		serial documentation 20.08.2024
		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® 11	Order number: 51FP20DP4B0U007 EAN: 4069025242617	LP number 59060_134
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® 11	Order number: 51FP20DP4B0U007 EAN: 4069025242617	LP number 59060_134
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	22.4	24.1	22.8	24.4	24.8	22.2	24.0	22.6	24.3	24.6
	3H	24.2	25.8	24.6	26.1	26.5	23.8	25.4	24.2	25.7	26.0
	4H	25.1	26.5	25.4	26.9	27.2	24.4	25.9	24.8	26.2	26.6
	6H	25.8	27.1	26.2	27.5	27.9	24.8	26.2	25.2	26.6	27.0
	8H	26.1	27.4	26.5	27.8	28.2	25.0	26.3	25.4	26.6	27.0
	12H	26.4	27.6	26.8	28.0	28.4	25.0	26.3	25.4	26.7	27.1
4H	2H	23.2	24.6	23.5	25.0	25.4	23.0	24.5	23.4	24.8	25.2
	3H	25.2	26.4	25.6	26.8	27.2	24.8	26.0	25.2	26.4	26.8
	4H	26.1	27.3	26.6	27.7	28.1	25.5	26.6	25.9	27.1	27.5
	6H	27.0	28.0	27.4	28.4	28.9	26.0	27.0	26.5	27.5	27.9
	8H	27.4	28.3	27.8	28.7	29.2	26.2	27.1	26.7	27.6	28.0
	12H	27.8	28.6	28.2	29.0	29.5	26.3	27.2	26.8	27.6	28.1
8H	4H	26.5	27.4	26.9	27.8	28.3	25.9	26.9	26.4	27.3	27.8
	6H	27.5	28.3	28.0	28.7	29.2	26.6	27.4	27.1	27.9	28.3
	8H	28.0	28.7	28.5	29.2	29.7	26.8	27.6	27.3	28.0	28.5
	12H	28.5	29.1	29.0	29.6	30.1	27.0	27.6	27.5	28.1	28.6
12H	4H	26.5	27.4	27.0	27.8	28.3	26.0	26.8	26.5	27.3	27.8
	6H	27.6	28.3	28.1	28.8	29.3	26.8	27.4	27.3	27.9	28.4
	8H	28.1	28.7	28.6	29.2	29.8	27.0	27.6	27.6	28.1	28.7

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°	19203.7	19177.2	19198.7	19375.1	19900.3	20717.5	22026.8
50°	18526.3	18472.0	18501.1	18628.8	19088.6	19876.7	21334.4
55°	17868.5	17780.9	17807.5	17860.7	18250.8	18979.2	20599.8
60°	17165.5	17078.7	17071.6	17069.7	17382.6	18037.8	19735.4
65°	16426.2	16334.2	16259.3	16208.0	16459.1	17007.4	18715.7
70°	15585.2	15483.5	15267.1	15173.5	15313.5	15757.3	17459.4
75°	14557.9	14428.1	14069.3	13851.0	13786.2	14044.2	15634.9
80°	13359.5	13123.8	12719.4	12170.8	11796.8	11633.0	12912.3
85°	12381.8	12050.5	11483.0	10653.9	9645.7	8620.5	8931.2

Photometric test report

Family
Monsun® 11

Order number: **51FP20DP4B0U007**
EAN: **4069025242617**

LP number
59060_134

Luminance values in cd/m²

γ 65°

γ 70°

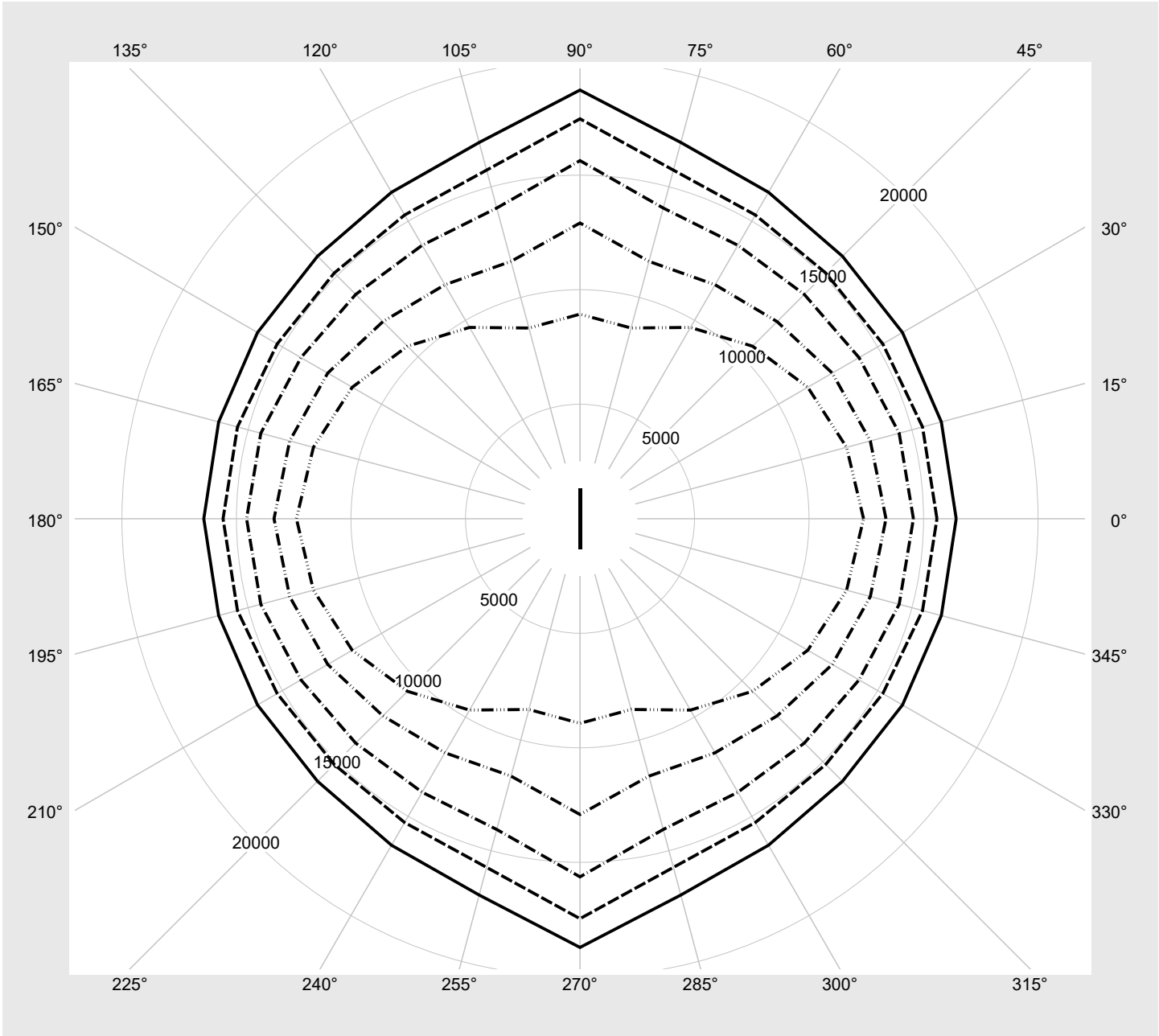
γ 75°

γ 80°

γ 85°

sit

eco



Photometric test report

Family Monsun® 11	Order number: 51FP20DP4B0U007 EAN: 4069025242617	LP number 59060_134
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10950	63.7
95	240	252	10385	60.1
90	227	250	9858	56.9
85	214	248	9325	53.6
80	200	245	8749	50.1
75	187	243	8208	46.8
70	174	240	7666	43.5
65	161	237	7120	40.3
60	148	234	6568	37.2
55	135	231	6013	34.1
50	123	227	5497	31.1
45	110	223	4932	28.0
40	97	219	4363	24.9
35	85	214	3833	21.9
30	73	208	3301	19.0
25	60	201	2719	15.8
20	48	193	2175	12.9
15	36	182	1628	9.9
10	24	168	1075	6.7
5	13	145	567	3.8
2	5	110	193	1.5