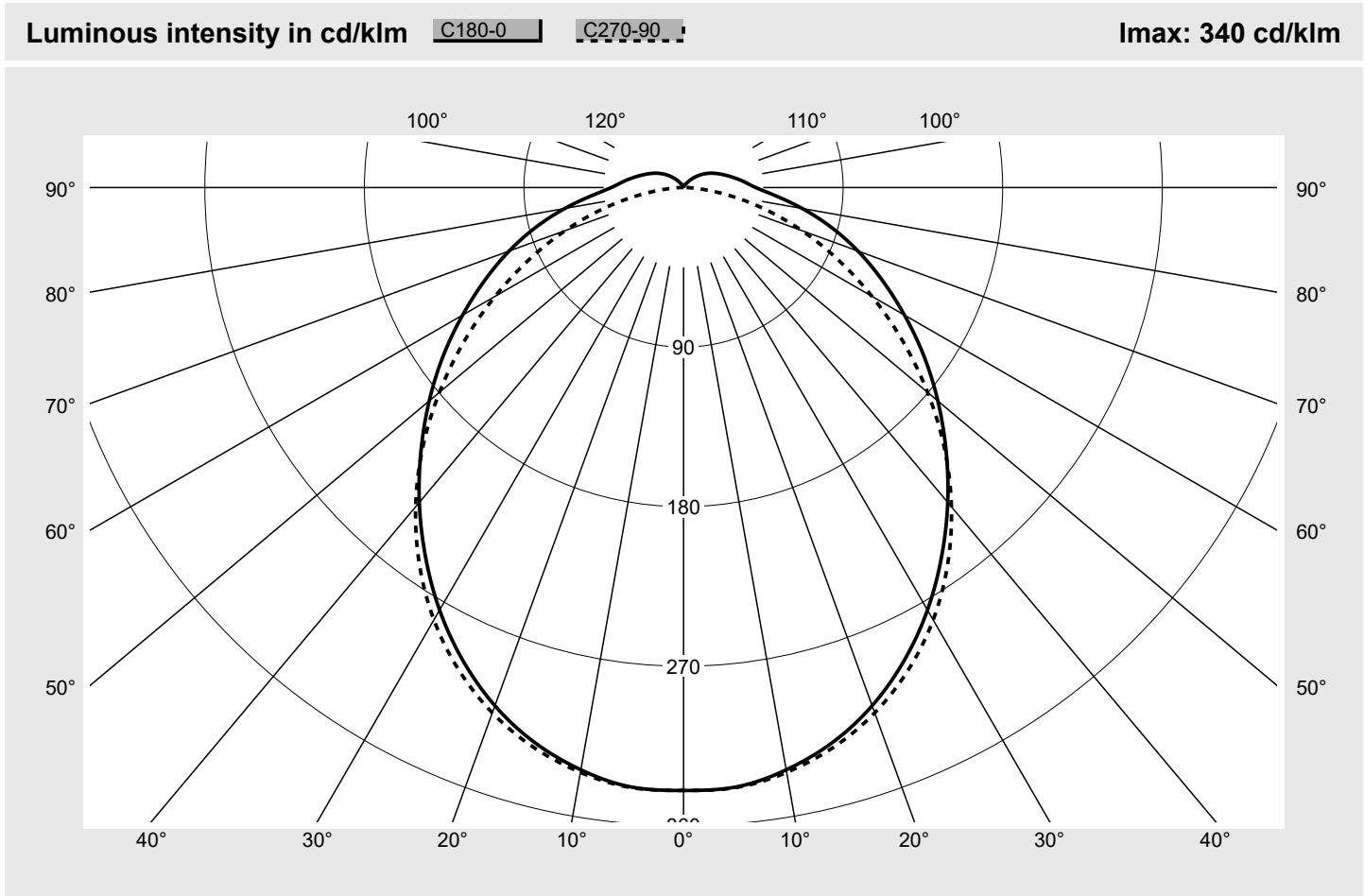


Photometric test report

Family Monsun® 21	Order number: 51FB10DP480C EAN: 4069025178114	LP number 58939_120
	Version	prismatic diffuser, opal, PMMA, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 8090 lm Power consumption = 46.1 W Luminous efficacy = 175.5 lm/W
		serial documentation 08.05.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=77 N3=93	ϕ_u	94.2%
	N4=94 N5=100	ϕ_o	5.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB10DP480C EAN: 4069025178114	LP number 58939_120
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°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1000.0

Photometric test report

Family Monsun® 21	Order number: 51FB10DP480C EAN: 4069025178114	LP number 58939_120
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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	21.1	22.8	21.4	23.1	23.4	21.1	22.8	21.4	23.1	23.4
	3H	22.8	24.4	23.2	24.7	25.1	22.4	24.0	22.8	24.3	24.7
	4H	23.6	25.1	24.0	25.4	25.8	23.0	24.4	23.4	24.8	25.1
	6H	24.4	25.7	24.8	26.1	26.5	23.3	24.7	23.7	25.1	25.4
	8H	24.8	26.0	25.2	26.4	26.8	23.5	24.7	23.9	25.1	25.5
	12H	25.1	26.3	25.5	26.7	27.1	23.5	24.7	23.9	25.1	25.5
4H	2H	21.8	23.2	22.2	23.6	24.0	21.8	23.2	22.2	23.6	23.9
	3H	23.7	25.0	24.1	25.4	25.8	23.3	24.6	23.8	25.0	25.4
	4H	24.7	25.8	25.1	26.2	26.6	24.0	25.1	24.4	25.5	26.0
	6H	25.6	26.6	26.0	27.0	27.5	24.5	25.5	24.9	25.9	26.3
	8H	26.0	26.9	26.5	27.4	27.8	24.6	25.5	25.1	26.0	26.4
	12H	26.4	27.2	26.9	27.7	28.2	24.7	25.5	25.2	26.0	26.5
8H	4H	25.0	25.9	25.5	26.4	26.8	24.4	25.3	24.9	25.7	26.2
	6H	26.1	26.9	26.6	27.3	27.8	25.0	25.8	25.5	26.2	26.7
	8H	26.6	27.3	27.1	27.8	28.3	25.2	25.9	25.7	26.4	26.9
	12H	27.2	27.8	27.7	28.3	28.8	25.4	26.0	25.9	26.5	27.0
12H	4H	25.0	25.9	25.5	26.3	26.8	24.5	25.3	25.0	25.8	26.2
	6H	26.2	26.9	26.7	27.3	27.8	25.2	25.8	25.7	26.3	26.8
	8H	26.8	27.4	27.3	27.9	28.4	25.4	26.0	25.9	26.5	27.0

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°	13949.5	14036.0	14138.6	14434.3	15057.3	15891.2	16993.6			
	50°	13230.2	13279.2	13378.5	13582.6	14096.2	14888.2	16096.1			
	55°	12545.4	12560.0	12636.9	12736.5	13133.5	13825.6	15098.5			
	60°	11868.6	11858.7	11879.3	11917.0	12178.7	12750.2	14034.2			
	65°	11273.6	11246.5	11151.4	11080.6	11236.2	11666.3	12919.4			
	70°	10762.8	10702.0	10424.3	10227.4	10245.6	10524.8	11721.9			
	75°	10230.1	10133.5	9744.8	9349.5	9117.6	9211.6	10298.1			
	80°	9665.6	9505.1	9115.6	8412.9	7827.0	7566.5	8421.5			
	85°	9253.7	9057.8	8634.2	7753.2	6590.4	5647.0	5881.4			

Photometric test report

Family
Monsun® 21

Order number: 51FB10DP480C
EAN: 4069025178114

LP number
58939_120

Luminance values in cd/m²

γ 65°

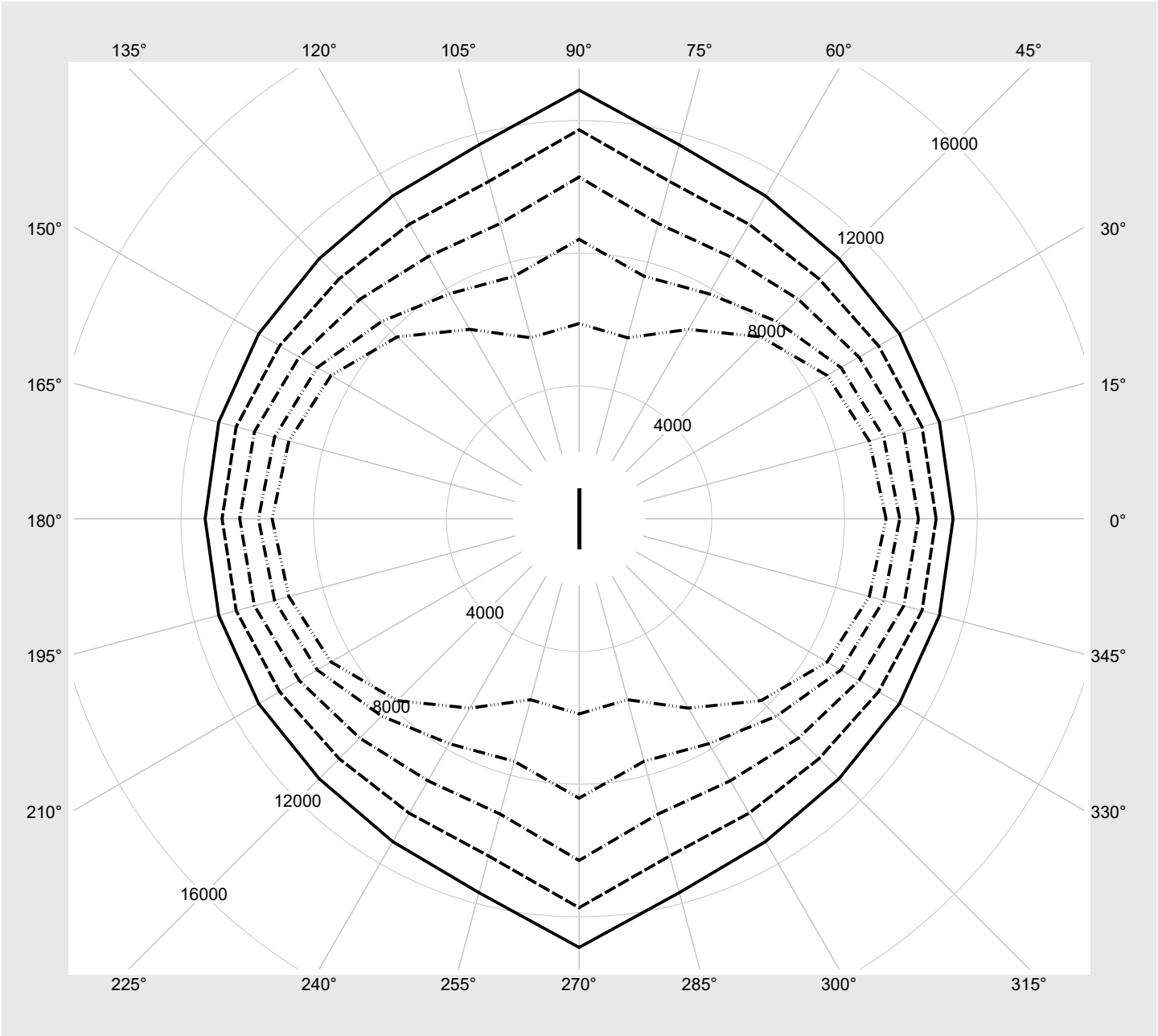
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 21	Order number: 51FB10DP480C EAN: 4069025178114	LP number 58939_120
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	8090	46.1
95	240	252	7671	43.6
90	227	250	7279	41.4
85	214	248	6883	39.1
80	201	245	6486	36.8
75	187	243	6055	34.4
70	174	240	5651	32.0
65	161	237	5244	29.7
60	149	234	4865	27.8
55	136	231	4452	25.6
50	123	227	4037	23.4
45	111	224	3651	21.3
40	98	219	3230	19.0
35	86	214	2840	16.9
30	73	208	2414	14.5
25	61	202	2020	12.3
20	49	194	1625	10.1
15	37	183	1226	8.0
10	25	169	825	5.9
5	12	142	389	3.7
2	6	117	187	2.8