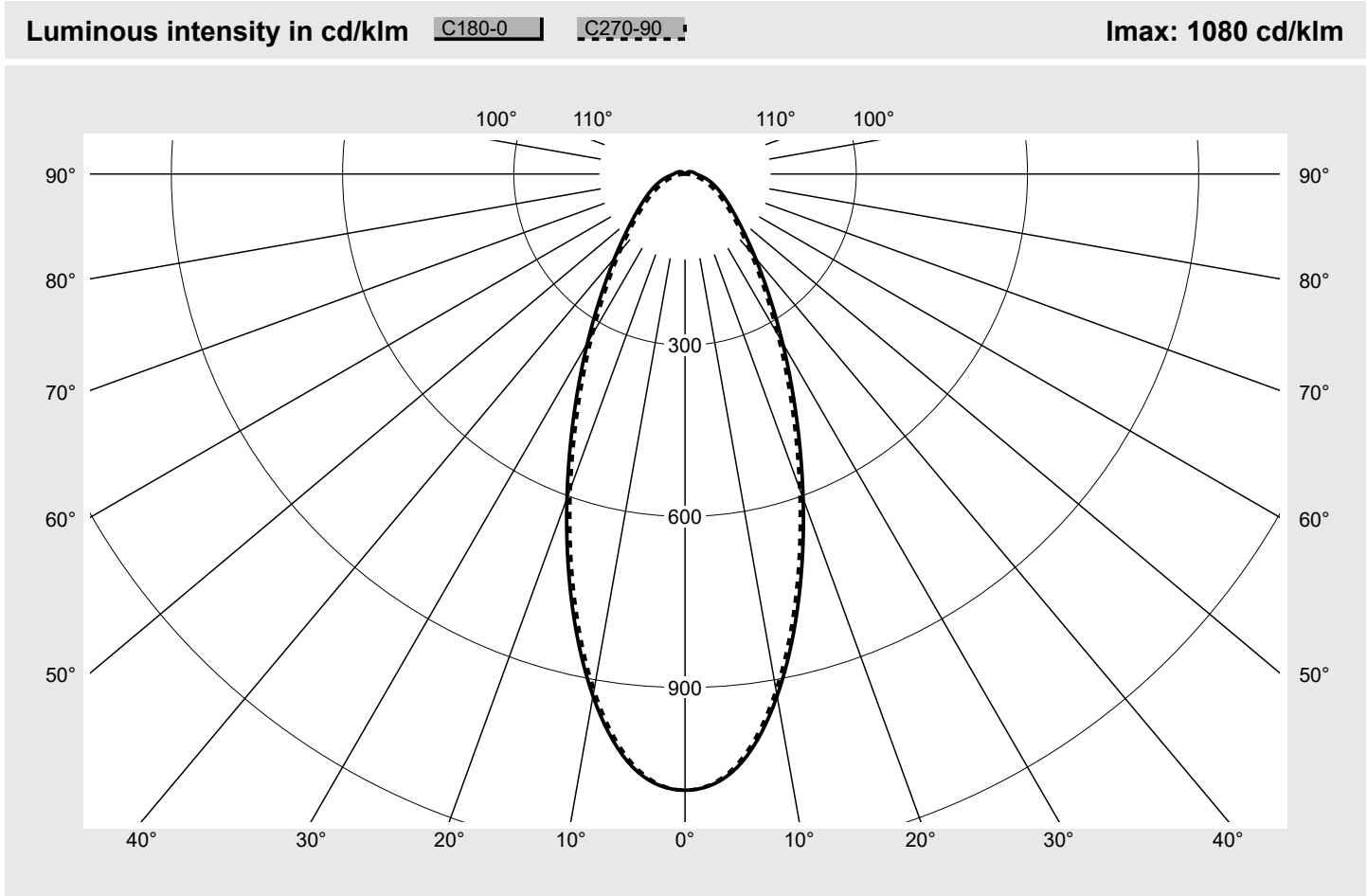


Photometric test report

Family Monsun® 11	Order number: 51FP11MP4B0U EAN: 4069025253224	LP number 59019_3
	Version	prismatic diffuser, opal, PMMA, narrow distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Rated values	Net luminous flux = 11900 lm Power consumption = 62.4 W Luminous efficacy = 190.7 lm/W
		serial documentation 26.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 6 1	η_{LB}	100.0%
CIE	N1=71 N2=88 N3=97	ϕ_u	96.9%
	N4=97 N5=100	ϕ_o	3.1%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 11	Order number: 51FP11MP4B0U EAN: 4069025253224	LP number 59019_3
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°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	6.5	6.5
5°	1044.1	1038.4	1031.7	1035.3	1039.5	1039.0	1039.1	49.6	56.0
10°	928.9	922.4	915.7	917.5	920.1	918.5	918.3	87.5	143.6
15°	770.1	763.9	757.2	757.4	758.0	755.5	755.0	107.7	251.3
20°	605.0	599.5	593.3	591.7	590.9	587.9	587.3	111.2	362.5
25°	458.5	454.5	449.0	446.4	444.8	441.1	440.5	103.7	466.1
30°	342.0	338.7	334.1	331.0	328.6	325.2	324.5	90.9	557.1
35°	254.0	251.7	248.1	244.8	241.8	239.0	238.5	77.1	634.2
40°	191.6	189.9	187.1	183.8	180.7	178.3	178.0	64.9	699.1
45°	147.4	145.9	143.8	140.3	137.3	134.9	134.9	54.5	753.5
50°	116.4	115.3	113.5	110.2	106.8	104.2	104.2	46.2	799.8
55°	94.3	93.4	91.7	88.3	84.5	81.6	81.3	39.5	839.2
60°	77.6	76.8	75.1	71.6	67.5	64.0	63.3	33.7	872.9
65°	64.3	63.6	61.7	58.1	53.7	49.8	48.5	28.4	901.3
70°	52.9	52.3	50.1	46.3	41.6	37.4	35.6	23.4	924.7
75°	42.6	42.0	39.6	35.6	30.6	26.2	23.9	18.3	943.0
80°	33.0	32.3	30.1	25.7	20.6	16.1	13.5	13.3	956.3
85°	24.9	24.2	22.0	17.7	12.5	7.9	5.1	9.0	965.3
90°	19.7	19.1	17.0	12.9	7.9	3.4	0.9	6.5	971.8
95°	17.4	16.8	15.0	11.4	6.8	2.6	0.7	5.6	977.4
100°	15.2	14.7	13.0	9.7	5.7	1.8	0.7	4.8	982.1
105°	13.2	12.6	11.0	8.1	4.4	1.2	0.6	3.9	986.0
110°	11.3	10.7	9.1	6.5	3.3	0.7	0.6	3.1	989.1
115°	9.6	9.0	7.5	5.2	2.3	0.7	0.6	2.5	991.6
120°	8.0	7.4	6.1	3.9	1.6	0.7	0.6	1.9	993.5
125°	6.5	5.9	4.7	2.9	1.1	0.8	0.7	1.4	994.9
130°	5.2	4.7	3.6	2.1	1.1	1.0	0.9	1.1	996.0
135°	4.1	3.7	2.8	1.7	1.4	1.1	1.1	0.9	996.9
140°	3.2	2.8	2.2	1.7	1.6	1.3	1.3	0.7	997.6
145°	2.4	2.3	2.1	1.9	1.7	1.5	1.5	0.6	998.2
150°	2.3	2.3	2.2	2.0	1.7	1.6	1.6	0.5	998.7
155°	2.3	2.2	2.1	2.0	1.7	1.7	1.6	0.5	999.2
160°	2.1	2.1	2.0	1.8	1.7	1.6	1.6	0.3	999.5
165°	1.8	1.8	1.8	1.7	1.6	1.6	1.5	0.2	999.8
170°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	0.1	999.9
175°	1.5	1.6	1.5	1.6	1.6	1.6	1.6	0.1	1000.0
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1000.0

Photometric test report

Family Monsun® 11			Order number: 51FP11MP4B0U EAN: 4069025253224							LP number 59019_3	
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	19.3	20.7	19.6	21.0	21.3	19.0	20.5	19.4	20.8	21.1
	3H	20.5	21.8	20.9	22.1	22.5	20.0	21.3	20.4	21.7	22.0
	4H	21.1	22.3	21.5	22.7	23.0	20.5	21.6	20.8	22.0	22.4
	6H	21.7	22.8	22.1	23.2	23.6	20.7	21.8	21.1	22.2	22.6
	8H	22.0	23.0	22.5	23.4	23.8	20.9	21.8	21.3	22.2	22.6
	12H	22.3	23.2	22.7	23.6	24.0	20.9	21.8	21.3	22.2	22.6
4H	2H	19.7	20.9	20.1	21.3	21.6	19.6	20.7	20.0	21.1	21.5
	3H	21.2	22.2	21.6	22.6	23.0	20.8	21.8	21.2	22.1	22.6
	4H	22.0	22.9	22.4	23.3	23.7	21.3	22.2	21.7	22.6	23.0
	6H	22.7	23.5	23.2	23.9	24.4	21.7	22.4	22.1	22.9	23.3
	8H	23.0	23.7	23.5	24.2	24.7	21.8	22.5	22.3	22.9	23.4
	12H	23.4	24.0	23.9	24.4	24.9	21.9	22.5	22.3	22.9	23.4
8H	4H	22.2	22.9	22.7	23.4	23.9	21.6	22.3	22.1	22.7	23.2
	6H	23.1	23.7	23.6	24.2	24.7	22.1	22.7	22.6	23.2	23.7
	8H	23.5	24.1	24.0	24.6	25.1	22.3	22.8	22.8	23.3	23.8
	12H	24.0	24.4	24.5	24.9	25.5	22.4	22.8	22.9	23.3	23.9
12H	4H	22.3	22.9	22.7	23.3	23.8	21.7	22.3	22.2	22.7	23.2
	6H	23.2	23.7	23.7	24.2	24.7	22.2	22.7	22.7	23.2	23.7
	8H	23.7	24.1	24.2	24.6	25.1	22.5	22.9	23.0	23.4	23.9

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°		14442.3	14358.1	14386.8	14469.0	14751.9	15267.5	16193.7
50°		12103.0	12039.4	12087.2	12141.0	12346.8	12801.7	13723.9
55°		10521.5	10470.9	10516.3	10538.6	10665.2	11051.9	11973.8
60°		9411.9	9374.9	9401.9	9396.1	9446.1	9747.1	10655.4
65°		8624.0	8590.4	8594.1	8525.2	8517.3	8727.8	9600.9
70°		8002.2	7976.1	7916.7	7784.0	7683.8	7798.8	8644.1
75°		7446.6	7417.4	7287.8	7070.3	6810.7	6805.8	7579.3
80°		6904.3	6838.3	6697.3	6292.6	5828.7	5593.5	6201.2
85°		6542.5	6452.5	6276.1	5725.7	4896.6	4188.8	4354.8

Photometric test report

Family
Monsun® 11

Order number: **51FP11MP4B0U**
EAN: **4069025253224**

LP number
59019_3

Luminance values in cd/m²

γ 65°

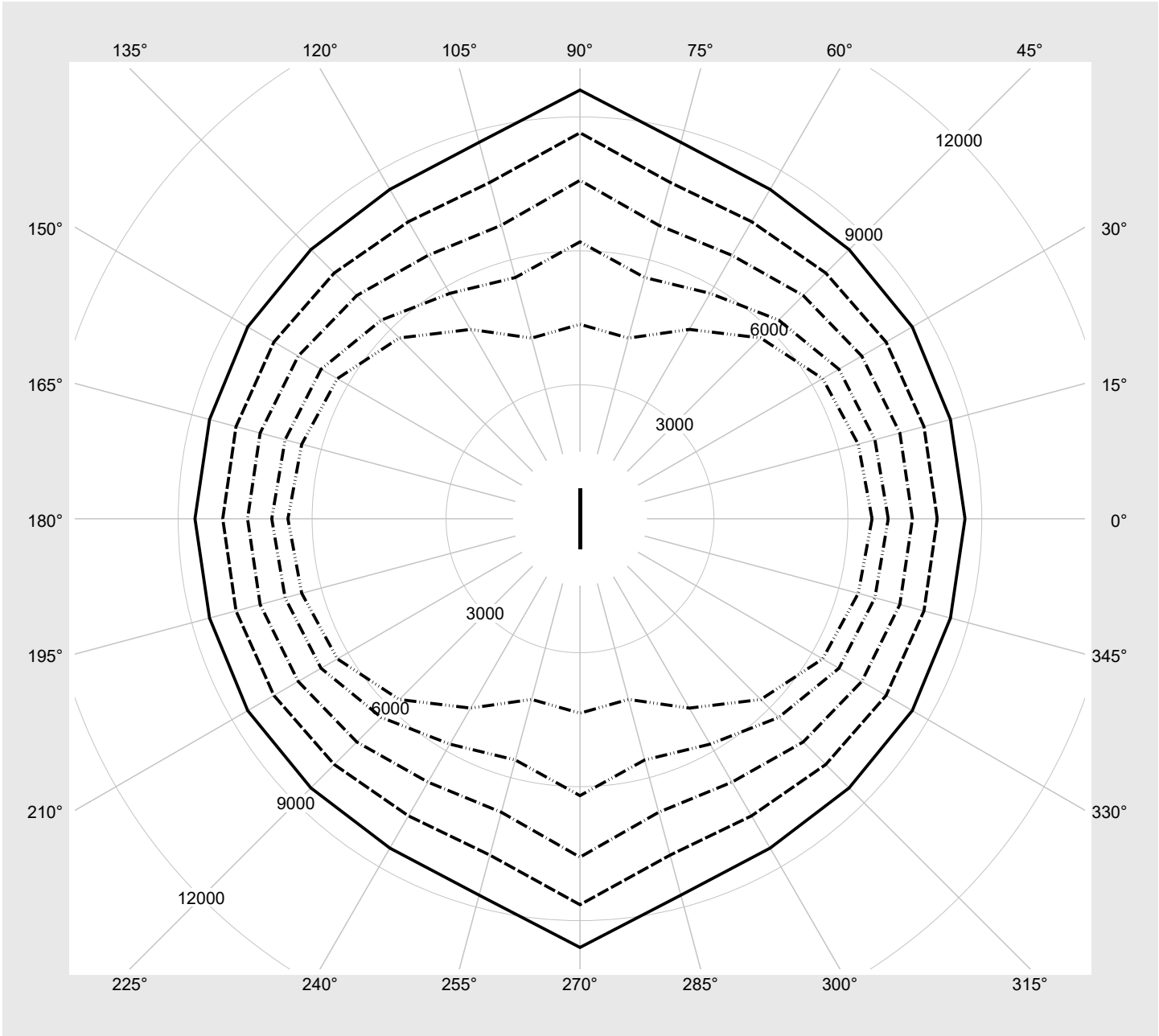
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 11	Order number: 51FP11MP4B0U EAN: 4069025253224	LP number 59019_3
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	11900	62.4
2	A	C	F	11240	58.6
3	A	D	E	10650	55.2
4	A	D	F	10130	52.3
5	B	C	E	9540	49.0
6	B	C	F	9010	46.1
7	B	D	E	8560	43.7
8	B	D	F	7950	40.4