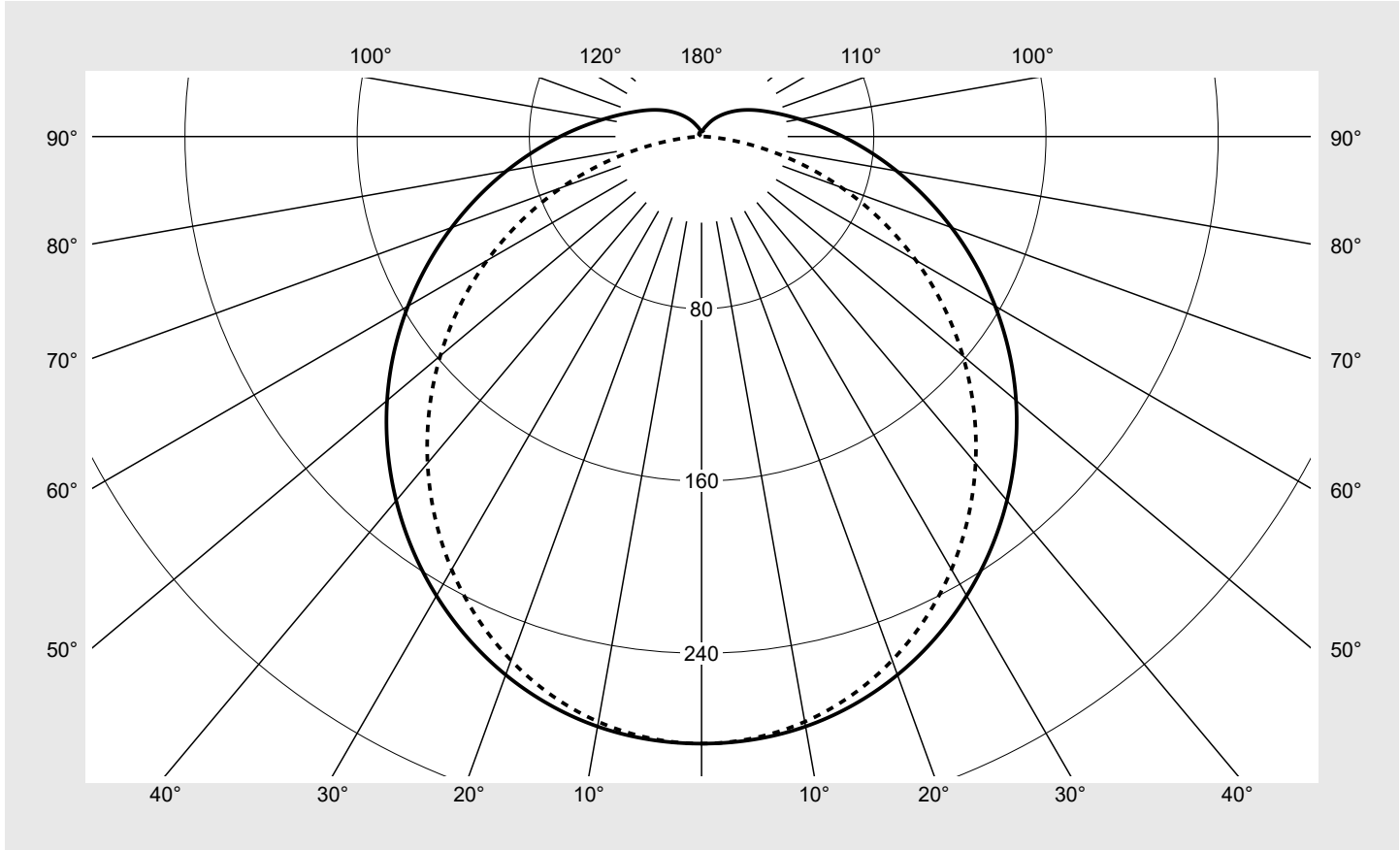


Photometric test report

Family Monsun® 41 	Order number: 51FK20MK450B EAN: 4069025570802	LP number 59971_1
	Version cover polycarbonat, diffuser distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 5100 lm Power consumption = 34.0 W Luminous efficacy = 150 lm/W	serial documentation 12.02.2026



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 282 cd/klm**



Classifications	
DIN 5040	A 3 1
CIE	N1=42 N2=72 N3=90 N4=91 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	90.6%
ϕ_o	9.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 41	Order number: 51FK20MK450B EAN: 4069025570802	LP number 59971_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	1.7	1.7
5°	281.1	281.0	280.9	280.8	280.6	280.5	280.4	13.4	15.1
10°	278.3	278.0	277.7	277.2	276.6	276.2	276.0	26.4	41.5
15°	273.2	272.8	272.2	271.2	270.1	269.3	268.8	38.5	79.9
20°	266.1	265.5	264.4	262.9	261.0	259.7	258.9	49.2	129.2
25°	257.0	256.2	254.6	252.4	249.8	247.9	246.6	58.4	187.6
30°	246.3	245.2	243.1	240.0	236.4	233.9	232.2	65.7	253.3
35°	234.1	232.7	230.0	225.9	221.4	218.1	215.9	70.9	324.2
40°	220.7	218.9	215.5	210.5	204.7	200.6	198.0	74.0	398.1
45°	206.2	204.1	200.0	193.9	186.9	181.8	178.8	74.9	473.0
50°	190.7	188.3	183.5	176.3	168.1	162.1	158.4	73.7	546.7
55°	174.4	171.6	166.2	158.1	148.5	141.5	137.1	70.5	617.2
60°	157.5	154.5	148.4	139.2	128.3	120.2	115.0	65.4	682.6
65°	140.4	137.0	130.3	120.1	107.8	98.5	92.2	58.8	741.4
70°	123.6	119.9	112.4	101.2	87.4	76.7	69.1	51.0	792.4
75°	107.3	103.4	95.4	83.2	67.7	55.4	46.3	42.5	834.9
80°	92.0	88.1	79.7	66.9	49.9	36.0	25.1	34.1	869.0
85°	78.0	74.2	65.7	52.7	35.4	20.5	8.1	26.5	895.5
90°	65.7	61.9	53.8	41.4	24.9	11.3	0.6	20.7	916.2
95°	55.1	51.9	44.5	32.8	18.2	7.5	0.7	16.6	932.8
100°	46.3	43.5	36.9	26.7	14.3	5.7	0.8	13.5	946.4
105°	39.2	36.7	31.0	22.3	11.6	4.5	0.9	11.1	957.5
110°	33.4	31.1	26.2	18.6	9.8	4.0	1.1	9.2	966.7
115°	28.8	26.7	22.3	15.7	8.2	3.3	1.2	7.6	974.3
120°	24.8	22.7	18.8	13.0	6.9	3.0	1.3	6.1	980.4
125°	21.2	19.7	16.2	10.8	5.9	2.8	1.5	5.0	985.4
130°	17.8	16.5	13.6	9.0	5.1	2.6	1.6	4.0	989.3
135°	14.8	13.7	11.2	7.5	4.6	2.6	1.7	3.1	992.4
140°	12.2	10.7	8.8	6.3	4.0	2.5	1.8	2.3	994.7
145°	9.8	8.6	7.1	5.3	3.5	2.4	2.0	1.7	996.5
150°	7.6	6.8	5.8	4.5	3.2	2.4	2.1	1.3	997.7
155°	5.7	5.4	4.8	3.8	2.9	2.4	2.2	0.9	998.6
160°	4.5	4.3	3.8	3.3	2.7	2.4	2.2	0.6	999.2
165°	3.6	3.3	3.1	2.8	2.5	2.3	2.3	0.4	999.6
170°	2.8	2.7	2.6	2.5	2.4	2.4	2.3	0.2	999.9
175°	2.5	2.4	2.4	2.4	2.4	2.4	2.4	0.1	1000.0
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	1000.0

Photometric test report

Family Monsun® 41	Order number: 51FK20MK450B EAN: 4069025570802	LP number 59971_1
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UGR-Table	Standard room	siteco
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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	21.8	23.5	22.1	23.8	24.1	21.2	23.0	21.6	23.3	23.6
	3H	23.8	25.4	24.1	25.7	26.0	22.8	24.4	23.2	24.7	25.1
	4H	24.8	26.3	25.1	26.6	27.0	23.4	24.9	23.8	25.2	25.6
	6H	25.7	27.1	26.1	27.5	27.9	23.8	25.2	24.2	25.6	25.9
	8H	26.2	27.5	26.6	27.9	28.3	23.9	25.2	24.3	25.6	26.0
	12H	26.7	27.9	27.1	28.3	28.7	23.9	25.2	24.4	25.6	26.0
4H	2H	22.5	24.0	22.9	24.4	24.7	22.1	23.6	22.5	24.0	24.3
	3H	24.7	26.0	25.1	26.4	26.8	23.8	25.2	24.3	25.5	25.9
	4H	25.8	27.1	26.3	27.5	27.9	24.6	25.8	25.0	26.2	26.6
	6H	27.0	28.0	27.4	28.5	28.9	25.1	26.2	25.5	26.6	27.0
	8H	27.6	28.5	28.0	29.0	29.4	25.3	26.3	25.7	26.7	27.2
	12H	28.1	29.0	28.6	29.5	29.9	25.4	26.3	25.8	26.7	27.2
8H	4H	26.2	27.2	26.7	27.7	28.1	25.1	26.1	25.6	26.5	27.0
	6H	27.6	28.4	28.0	28.9	29.4	25.9	26.7	26.3	27.1	27.6
	8H	28.3	29.0	28.8	29.5	30.0	26.1	26.9	26.6	27.3	27.9
	12H	29.0	29.7	29.5	30.1	30.7	26.3	27.0	26.8	27.5	28.0
12H	4H	26.3	27.2	26.7	27.6	28.1	25.3	26.2	25.8	26.6	27.1
	6H	27.7	28.4	28.2	28.9	29.4	26.1	26.8	26.6	27.3	27.8
	8H	28.5	29.1	29.0	29.6	30.1	26.4	27.1	27.0	27.6	28.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1130	H(C0) = 20	H(C180) = 20
			B = 66	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	15302.1	15267.7	15319.5	15440.3	15693.8	16307.1	17292.1	
50°	50°	14906.3	14849.4	14868.6	14942.3	15145.8	15772.1	16855.2	
55°	55°	14511.6	14429.6	14411.1	14428.3	14553.4	15170.4	16344.7	
60°	60°	14124.3	14018.3	13952.0	13888.9	13901.0	14475.9	15723.2	
65°	65°	13770.7	13620.8	13485.9	13315.3	13168.7	13646.8	14917.1	
70°	70°	13483.0	13286.1	13061.6	12736.3	12342.6	12623.7	13824.1	
75°	75°	13301.3	13057.8	12732.1	12215.5	11424.4	11322.8	12242.2	
80°	80°	13331.8	13037.0	12609.3	11889.0	10573.2	9811.5	9887.2	
85°	85°	13718.1	13388.4	12890.2	11990.3	10160.9	8488.3	6378.1	

Photometric test report

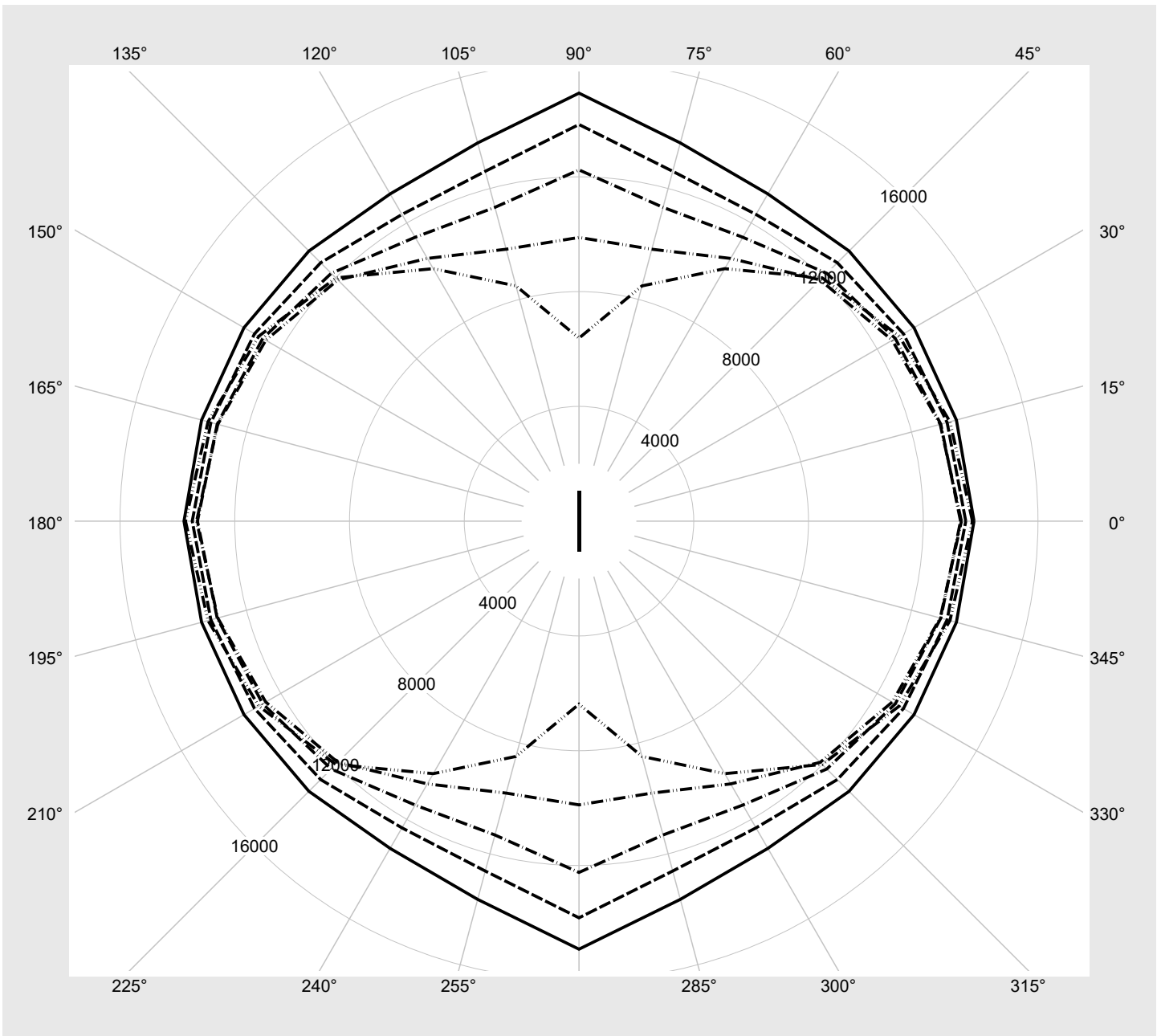
Family
Monsun® 41

Order number: 51FK20MK450B
EAN: 4069025570802

LP number
59971_1

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Monsun® 41	Order number: 51FK20MK450B EAN: 4069025570802	LP number 59971_1
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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting 1	Luminous flux [lm]	Power consumption [W]
1	HIGH	5100	34.0
0	LOW	3000	20.0