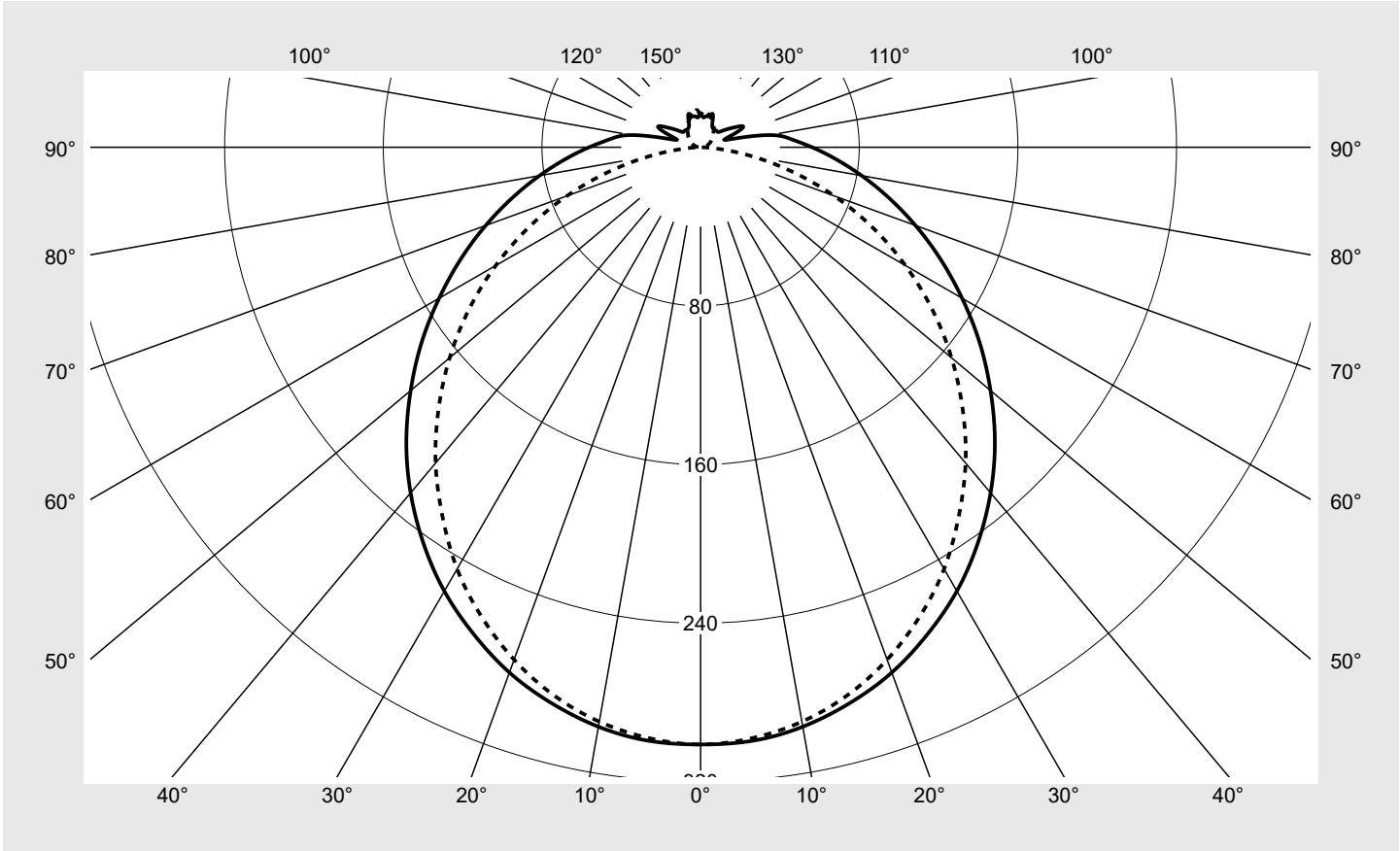


Photometric test report

Family Monsun® 41	Order number: 51FK20MN460A003 EAN: 4058352539620	LP number 59262_4
	Version cover, of PC, frosted Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 6000 lm Power consumption = 46.0 W Luminous efficacy = 130.4 lm/W	serial documentation 08.08.2022
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 301 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=44 N2=74 N3=91 N4=91 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	91.2%
ϕ_o	8.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 41	Order number: 51FK20MN460A003 EAN: 4058352539620	LP number 59262_4
Table of values for luminous intensities		Maximum luminous intensity



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°	301.2	301.2	301.2	301.2	301.2	301.2	301.2	1.8	1.8
5°	300.5	300.1	299.7	299.3	299.2	299.2	299.1	14.3	16.1
10°	296.7	296.1	295.5	294.9	294.7	294.4	294.1	28.1	44.2
15°	290.3	289.4	288.6	287.7	287.2	286.6	286.1	40.8	85.1
20°	281.9	280.5	279.2	277.9	276.9	275.9	275.0	52.1	137.2
25°	270.9	269.1	267.4	265.6	264.2	262.7	261.3	61.6	198.8
30°	258.5	256.1	253.7	251.3	249.4	247.5	245.6	69.0	267.8
35°	243.7	240.8	238.0	235.1	232.4	229.7	227.0	74.0	341.7
40°	227.5	224.1	220.7	217.3	214.2	211.0	207.9	76.6	418.3
45°	209.9	205.9	202.0	198.1	194.4	190.6	186.9	76.8	495.2
50°	190.9	186.5	182.2	177.9	173.7	169.4	165.2	74.7	569.9
55°	171.8	167.0	162.1	157.3	152.4	147.5	142.6	70.6	640.5
60°	152.3	146.9	141.5	136.1	130.5	124.9	119.3	64.5	705.0
65°	133.5	127.3	121.1	114.9	108.5	102.1	95.7	57.0	762.1
70°	115.3	108.4	101.6	94.7	87.0	79.4	71.7	48.5	810.5
75°	98.2	90.8	83.4	76.0	66.7	57.4	48.1	39.5	850.0
80°	82.5	74.8	67.1	59.4	48.5	37.5	26.6	30.7	880.7
85°	68.4	60.7	53.0	45.3	33.1	21.0	8.9	22.9	903.7
90°	56.2	48.9	41.5	34.1	23.1	12.1	1.1	17.2	920.9
95°	46.0	39.4	32.7	26.1	17.9	9.6	1.4	13.6	934.5
100°	35.4	27.4	19.3	11.3	8.2	5.2	2.2	8.1	942.6
105°	15.8	13.8	11.9	10.0	7.7	5.5	3.2	5.2	947.7
110°	14.7	14.6	14.4	14.3	10.9	7.5	4.1	6.1	953.8
115°	23.5	19.6	15.7	11.8	9.5	7.3	5.1	6.5	960.3
120°	20.3	16.5	12.6	8.8	7.9	7.0	6.1	5.2	965.5
125°	15.5	13.1	10.6	8.1	7.8	7.4	7.1	4.4	969.9
130°	12.0	10.7	9.5	8.2	8.2	8.1	8.1	3.8	973.7
135°	11.6	10.6	9.7	8.7	8.8	8.9	9.0	3.7	977.4
140°	11.4	10.8	10.3	9.7	9.8	10.0	10.2	3.6	981.0
145°	11.3	11.4	11.5	11.5	11.6	11.6	11.6	3.6	984.6
150°	11.8	12.7	13.6	14.5	14.1	13.6	13.2	3.7	988.3
155°	14.2	14.9	15.5	16.2	15.6	15.0	14.4	3.5	991.9
160°	17.8	17.5	17.1	16.8	16.4	16.0	15.6	3.1	995.0
165°	16.3	16.6	16.9	17.2	17.1	16.9	16.8	2.4	997.4
170°	15.9	16.5	17.1	17.8	17.8	17.8	17.9	1.6	999.1
175°	15.2	16.2	17.2	18.3	18.4	18.6	18.8	0.8	999.9
180°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	0.1	1000.0

Photometric test report

Family Monsun® 41	Order number: 51FK20MN460A003 EAN: 4058352539620	LP number 59262_4
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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	20.8	22.6	21.2	22.9	23.2	20.7	22.4	21.1	22.7	23.1
	3H	22.7	24.3	23.1	24.6	25.0	22.2	23.8	22.6	24.2	24.5
	4H	23.6	25.1	24.0	25.4	25.8	22.8	24.3	23.2	24.7	25.1
	6H	24.5	25.9	24.9	26.2	26.6	23.2	24.6	23.6	25.0	25.4
	8H	25.0	26.3	25.4	26.6	27.0	23.4	24.7	23.8	25.1	25.5
	12H	25.4	26.6	25.8	27.0	27.4	23.4	24.7	23.9	25.1	25.5
4H	2H	21.6	23.1	22.0	23.4	23.8	21.5	23.0	21.9	23.3	23.7
	3H	23.6	24.9	24.0	25.3	25.7	23.2	24.5	23.6	24.9	25.3
	4H	24.6	25.8	25.1	26.2	26.7	24.0	25.1	24.4	25.5	26.0
	6H	25.7	26.7	26.1	27.1	27.6	24.5	25.5	25.0	26.0	26.4
	8H	26.2	27.2	26.7	27.6	28.1	24.7	25.6	25.1	26.1	26.6
	12H	26.7	27.6	27.2	28.0	28.5	24.8	25.7	25.3	26.1	26.6
8H	4H	25.0	26.0	25.5	26.4	26.9	24.4	25.4	24.9	25.8	26.3
	6H	26.2	27.0	26.7	27.5	28.0	25.2	26.0	25.6	26.4	26.9
	8H	26.9	27.6	27.3	28.1	28.6	25.4	26.2	25.9	26.6	27.1
	12H	27.5	28.2	28.0	28.6	29.2	25.6	26.3	26.1	26.8	27.3
12H	4H	25.1	25.9	25.5	26.4	26.9	24.5	25.4	25.0	25.8	26.3
	6H	26.3	27.1	26.8	27.5	28.0	25.3	26.0	25.8	26.5	27.0
	8H	27.0	27.7	27.5	28.2	28.7	25.7	26.3	26.2	26.8	27.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1462	H(C0) = 21	H(C180) = 21
			B = 76	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°		12557.0	12414.2	12449.3	12656.4	13042.4	13587.5	14274.1	
50°		12062.1	11889.2	11911.0	12122.0	12526.6	13115.8	13878.2	
55°		11596.9	11380.1	11375.1	11576.9	11982.3	12599.0	13425.0	
60°		11120.8	10847.1	10802.6	10981.9	11372.0	12001.5	12883.0	
65°		10708.4	10344.1	10227.2	10349.7	10697.5	11312.5	12228.0	
70°		10350.3	9878.1	9674.6	9727.3	9958.8	10471.4	11318.9	
75°		10084.8	9488.3	9188.5	9165.8	9180.9	9456.3	10045.5	
80°		9991.0	9250.9	8849.8	8759.7	8448.8	8303.6	8274.0	
85°		10193.0	9283.5	8787.6	8672.8	7963.0	7172.0	5531.0	

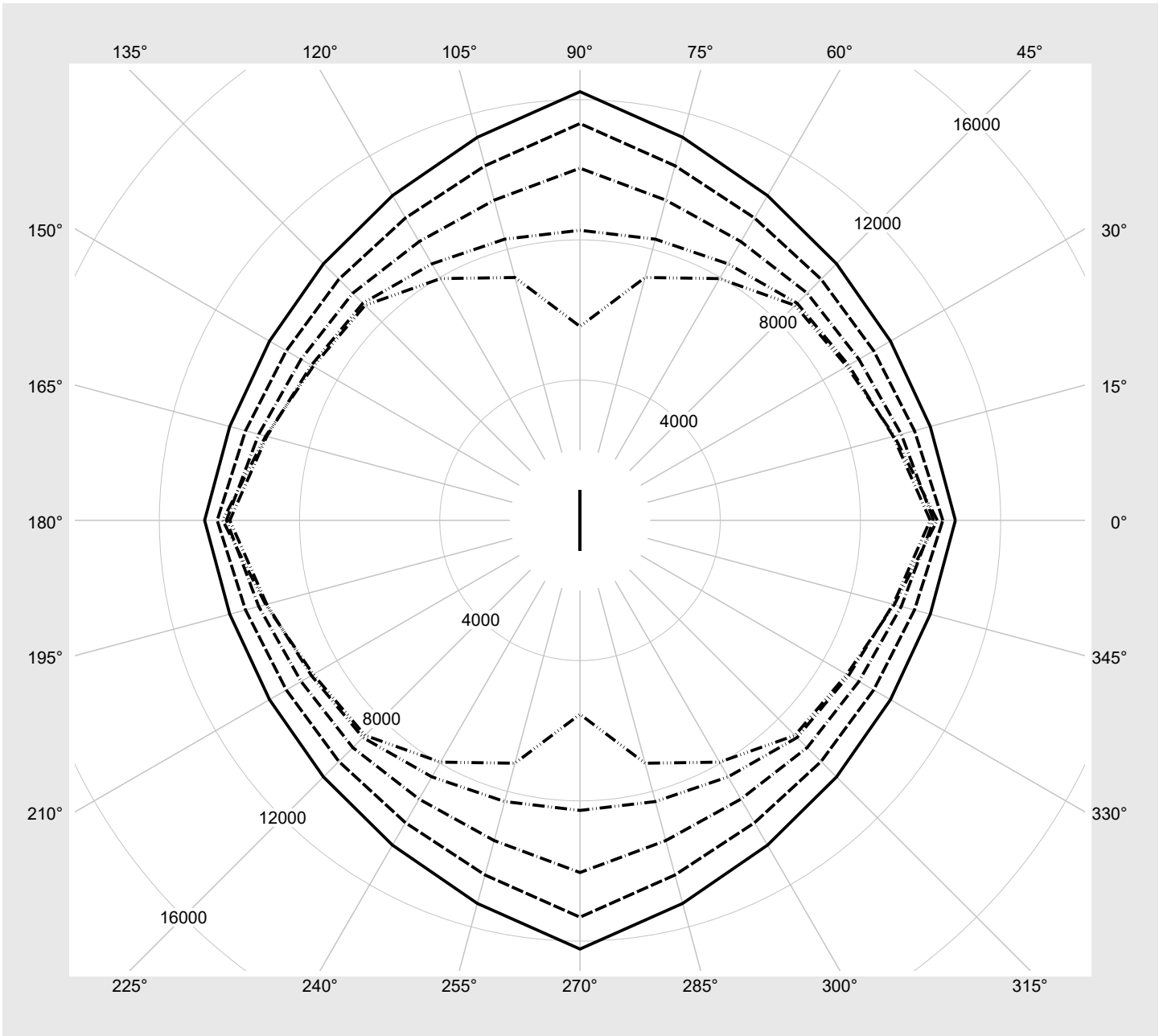
Photometric test report

Family Monsun® 41	Order number: 51FK20MN460A003 EAN: 4058352539620	LP number 59262_4
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Monsun® 41	Order number: 51FK20MN460A003 EAN: 4058352539620	LP number 59262_4
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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	6000	46.0
0	LOW	3500	27.0