

Photometric test report

Family
Monsun® 31

Order number: 51FD20MD430A
EAN: 4069025458308

LP number
59820_1



Version damp-proof luminaire, cover, frosted, PC, diffuse beam
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Setting factory setting: DIP-Step=1
Rated values Net luminous flux = 2510 lm
Power consumption = 15.0 W
Luminous efficacy = 167.3 lm/W

serial
documentation
26.09.2025

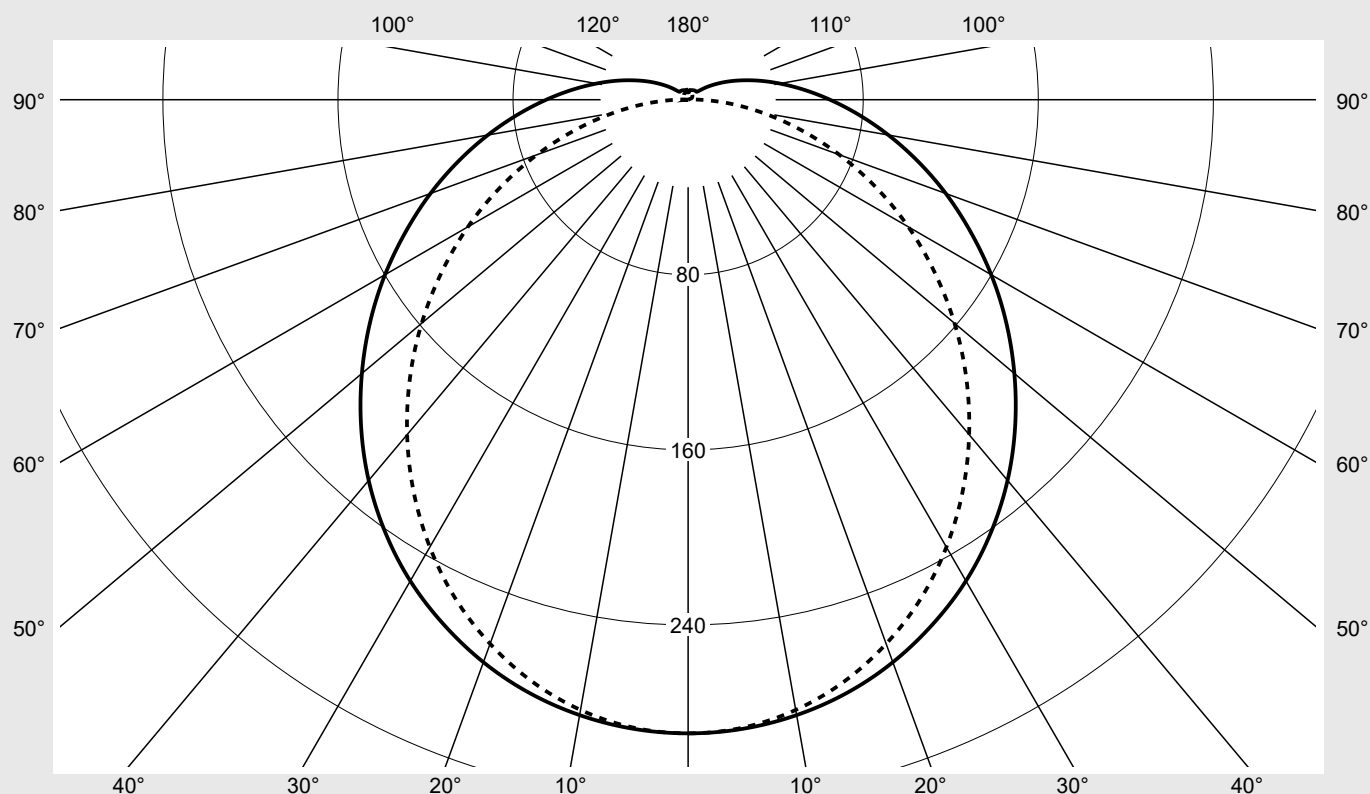
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 290 cd/klm



Classifications

DIN 5040 A 3 1
CIE N1=42 N2=72 N3=90
N4=92 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 92.3%
 ϕ_o 7.7%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 31	Order number: 51FD20MD430A EAN: 4069025458308	LP number 59820_1
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	30° 150° 210° 330°	60° 120° 240° 300°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm				Luminous flux in lm/klm	
0°	289.5	289.5	289.5	289.5	1.7	1.7
5°	288.5	288.4	288.1	288.0	13.8	15.5
10°	285.5	285.0	283.8	283.1	27.1	42.6
15°	280.6	279.3	276.6	275.3	39.4	82.0
20°	273.5	271.4	266.8	264.6	50.4	132.4
25°	264.5	261.2	254.8	251.5	59.8	192.2
30°	253.9	249.3	240.6	236.0	67.1	259.3
35°	241.3	235.7	224.3	218.7	72.3	331.6
40°	227.1	220.3	206.5	199.8	75.2	406.8
45°	211.3	203.6	187.5	179.7	75.8	482.6
50°	194.6	185.8	167.7	158.9	74.2	556.9
55°	177.4	167.6	147.6	137.5	70.7	627.6
60°	159.9	149.4	127.5	116.2	65.7	693.3
65°	142.3	131.6	107.5	94.7	59.2	752.5
70°	125.3	114.1	88.4	73.5	51.8	804.3
75°	108.7	97.4	70.6	53.3	44.0	848.3
80°	92.9	81.8	54.1	34.7	35.9	884.2
85°	78.2	67.4	40.1	18.3	28.3	912.5
90°	64.8	53.0	29.0	5.4	21.4	933.9
95°	52.9	43.7	20.9	1.3	16.7	950.6
100°	42.5	34.3	14.0	0.7	12.6	963.2
105°	33.6	26.3	9.4	1.0	9.3	972.6
110°	25.8	19.6	6.0	1.4	6.7	979.3
115°	19.4	14.2	4.0	1.9	4.8	984.1
120°	14.0	9.7	3.7	2.1	3.4	987.5
125°	9.6	6.2	3.5	2.3	2.3	989.8
130°	6.0	4.8	3.4	2.6	1.8	991.6
135°	5.2	4.8	3.4	2.8	1.6	993.2
140°	5.2	4.7	3.5	3.0	1.5	994.6
145°	5.1	4.6	3.6	3.1	1.3	995.9
150°	5.0	4.4	3.8	3.3	1.1	997.0
155°	4.8	4.3	3.9	3.4	1.0	998.0
160°	4.7	4.2	4.1	3.5	0.8	998.7
165°	4.6	4.2	4.3	4.2	0.6	999.4
170°	4.2	4.2	4.4	4.4	0.4	999.8
175°	3.5	4.3	4.6	4.6	0.2	1000.0
180°	4.4	4.4	4.4	4.4	0.0	1000.0

Photometric test report

Family Monsun® 31			Order number: 51FD20MD430A EAN: 4069025458308							LP number 59820_1	
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	20.4	22.2	20.8	22.5	22.8	19.8	21.6	20.2	21.9	22.2
	3H	22.4	24.0	22.8	24.4	24.7	21.4	23.0	21.8	23.4	23.7
	4H	23.4	24.9	23.8	25.3	25.6	22.1	23.6	22.5	24.0	24.4
	6H	24.4	25.8	24.8	26.1	26.5	22.7	24.1	23.1	24.5	24.8
	8H	24.9	26.2	25.3	26.6	27.0	22.9	24.3	23.3	24.6	25.0
	12H	25.3	26.6	25.7	26.9	27.4	23.1	24.4	23.5	24.8	25.2
4H	2H	21.1	22.7	21.5	23.0	23.4	20.7	22.2	21.1	22.5	22.9
	3H	23.4	24.7	23.8	25.1	25.5	22.5	23.8	22.9	24.2	24.6
	4H	24.5	25.7	24.9	26.1	26.5	23.3	24.5	23.7	24.9	25.3
	6H	25.6	26.7	26.1	27.1	27.6	24.0	25.1	24.4	25.5	25.9
	8H	26.2	27.2	26.7	27.6	28.1	24.3	25.3	24.7	25.7	26.2
	12H	26.8	27.6	27.2	28.1	28.6	24.5	25.4	25.0	25.8	26.3
8H	4H	24.9	25.9	25.3	26.3	26.8	23.9	24.8	24.3	25.3	25.7
	6H	26.2	27.1	26.7	27.5	28.0	24.7	25.6	25.2	26.0	26.5
	8H	26.9	27.7	27.4	28.2	28.7	25.1	25.9	25.6	26.4	26.9
	12H	27.7	28.3	28.2	28.8	29.3	25.5	26.1	26.0	26.6	27.1
12H	4H	24.9	25.8	25.4	26.3	26.8	24.0	24.9	24.5	25.3	25.8
	6H	26.4	27.1	26.8	27.6	28.1	25.0	25.7	25.5	26.2	26.7
	8H	27.1	27.8	27.6	28.3	28.8	25.4	26.1	25.9	26.6	27.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 600 B = 90	H(C0) = 28 H(C90) = 0	H(C180) = 28 H(C270) = 0
C- planes		0° 180°	30° 150° 210° 330°	60° 120° 240° 300°		90° 270°
γ	Luminance in cd/m²					
45°	10594.7	10544.8	10665.9	11815.2		
50°	10265.9	10172.6	10227.6	11492.2		
55°	9955.8	9808.4	9784.7	11143.4		
60°	9661.2	9467.5	9338.9	10801.5		
65°	9385.1	9175.5	8864.5	10413.2		
70°	9180.8	8907.8	8417.8	9991.3		
75°	9032.0	8721.5	8026.0	9577.9		
80°	8997.2	8665.8	7693.8	9290.2		
85°	9151.7	8804.6	7705.4	9759.1		

Photometric test report

Family
Monsun® 31

Order number: 51FD20MD430A
EAN: 4069025458308

LP number
59820_1

Luminance values in cd/m²

γ 65°

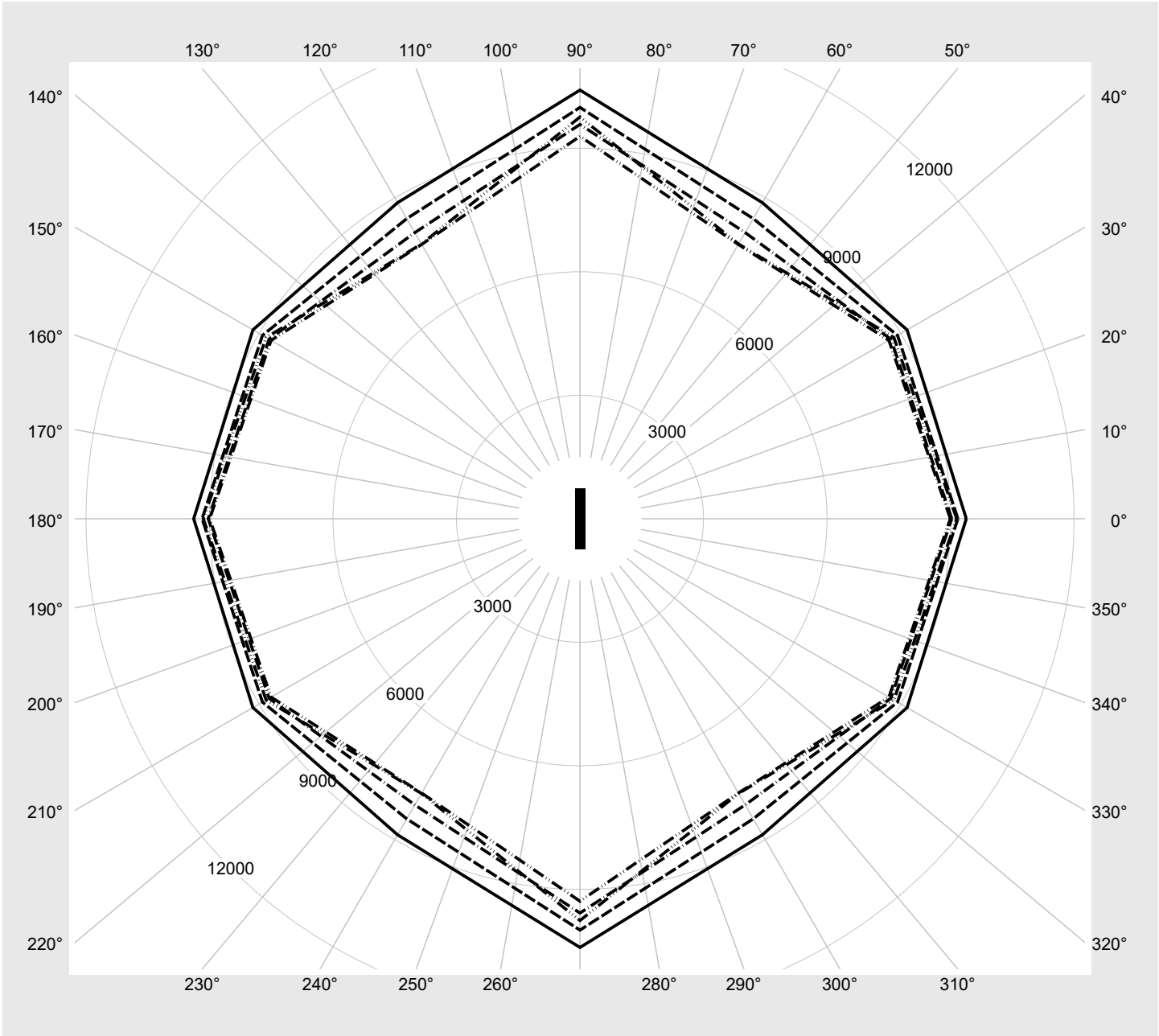
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 31	Order number: 51FD20MD430A EAN: 4069025458308	LP number 59820_1
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	3530	21.0
2	OFF	ON	3060	18.0
1	ON	OFF	2510	15.0
0	OFF	OFF	2020	12.0