

Photometric test report

Family
Monsun® 11

Order number: 51FE10MP480S
EAN: 4069025242419

LP number
58939_210

serial
documentation
12.11.2025

siteco

Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 8000 lm
Power consumption = 40.1 W
Luminous efficacy = 199.5 lm/W

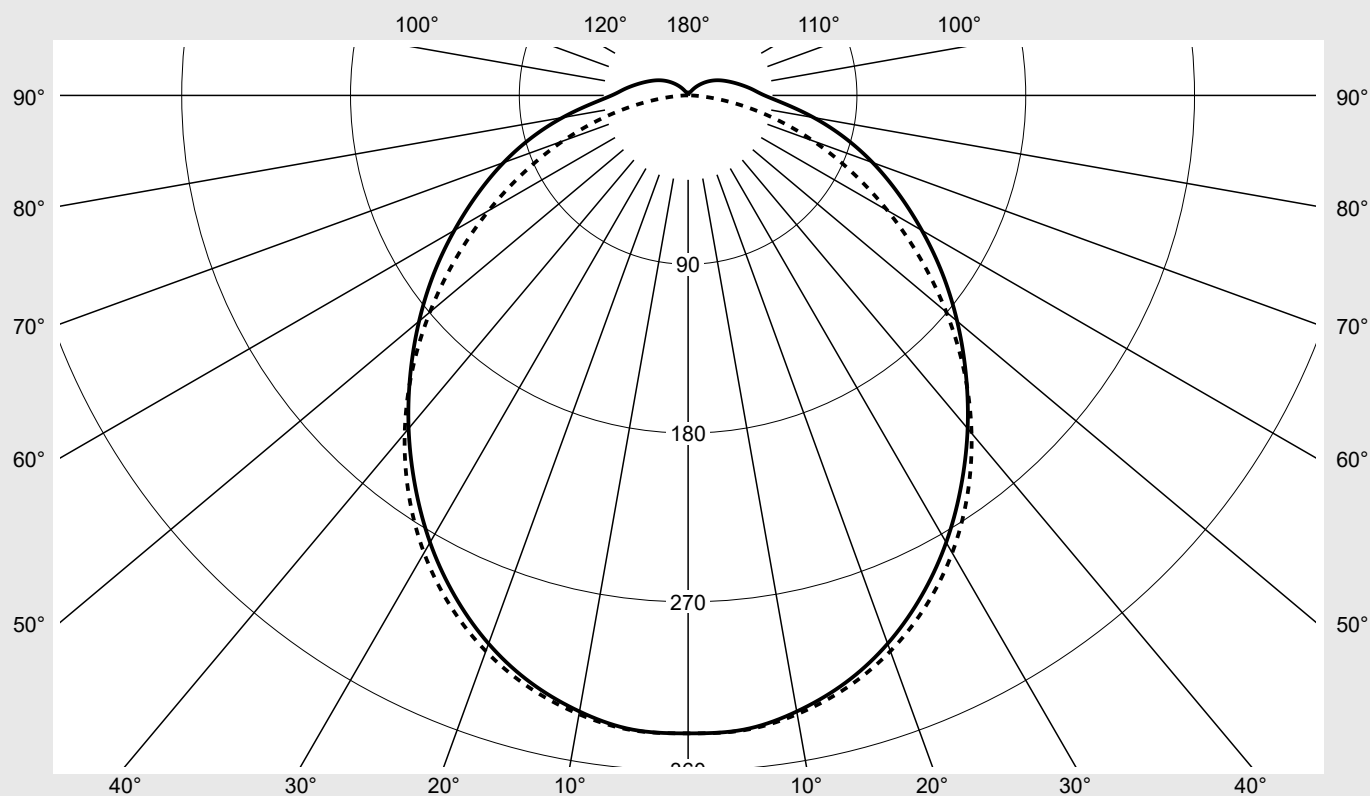


Luminous intensity in cd/klm

C180-0

C270-90

Imax: 340 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=47 N2=77 N3=93
N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 94.2%
 ϕ_o 5.8%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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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

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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	21.0	22.7	21.4	23.1	23.4	21.0	22.7	21.4	23.0	23.4
	3H	22.8	24.3	23.2	24.7	25.0	22.4	24.0	22.8	24.3	24.6
	4H	23.6	25.1	24.0	25.4	25.8	22.9	24.4	23.3	24.7	25.1
	6H	24.4	25.7	24.8	26.1	26.5	23.3	24.6	23.7	25.0	25.4
	8H	24.7	26.0	25.1	26.4	26.8	23.4	24.7	23.8	25.1	25.5
	12H	25.0	26.2	25.5	26.6	27.0	23.5	24.7	23.9	25.1	25.5
4H	2H	21.7	23.2	22.1	23.5	23.9	21.7	23.2	22.1	23.5	23.9
	3H	23.7	24.9	24.1	25.3	25.7	23.3	24.5	23.7	24.9	25.3
	4H	24.6	25.8	25.1	26.2	26.6	23.9	25.1	24.4	25.5	25.9
	6H	25.6	26.5	26.0	27.0	27.4	24.4	25.4	24.9	25.8	26.3
	8H	26.0	26.9	26.4	27.3	27.8	24.6	25.5	25.0	25.9	26.4
	12H	26.4	27.2	26.9	27.7	28.1	24.7	25.5	25.1	26.0	26.4
8H	4H	25.0	25.9	25.4	26.3	26.8	24.4	25.3	24.8	25.7	26.2
	6H	26.0	26.8	26.5	27.3	27.8	25.0	25.7	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	27.1	27.7	27.6	28.2	28.7	25.3	25.9	25.9	26.4	27.0
12H	4H	25.0	25.8	25.5	26.3	26.8	24.5	25.3	24.9	25.7	26.2
	6H	26.1	26.8	26.6	27.3	27.8	25.1	25.8	25.6	26.3	26.8
	8H	26.7	27.3	27.2	27.8	28.3	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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	13794.3	13879.8	13981.3	14273.7	14889.8	15714.4	16804.6
50°	13083.0	13131.5	13229.6	13431.5	13939.4	14722.5	15917.0
55°	12405.8	12420.3	12496.3	12594.8	12987.4	13671.8	14930.5
60°	11736.6	11726.7	11747.1	11784.4	12043.2	12608.3	13878.0
65°	11148.2	11121.4	11027.3	10957.3	11111.2	11536.5	12775.7
70°	10643.0	10582.9	10308.3	10113.6	10131.6	10407.7	11591.5
75°	10116.3	10020.8	9636.4	9245.5	9016.2	9109.2	10183.6
80°	9558.1	9399.4	9014.2	8319.3	7739.9	7482.4	8327.8
85°	9150.7	8957.0	8538.2	7667.0	6517.1	5584.2	5816.0

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Luminance values in cd/m²

γ 65°

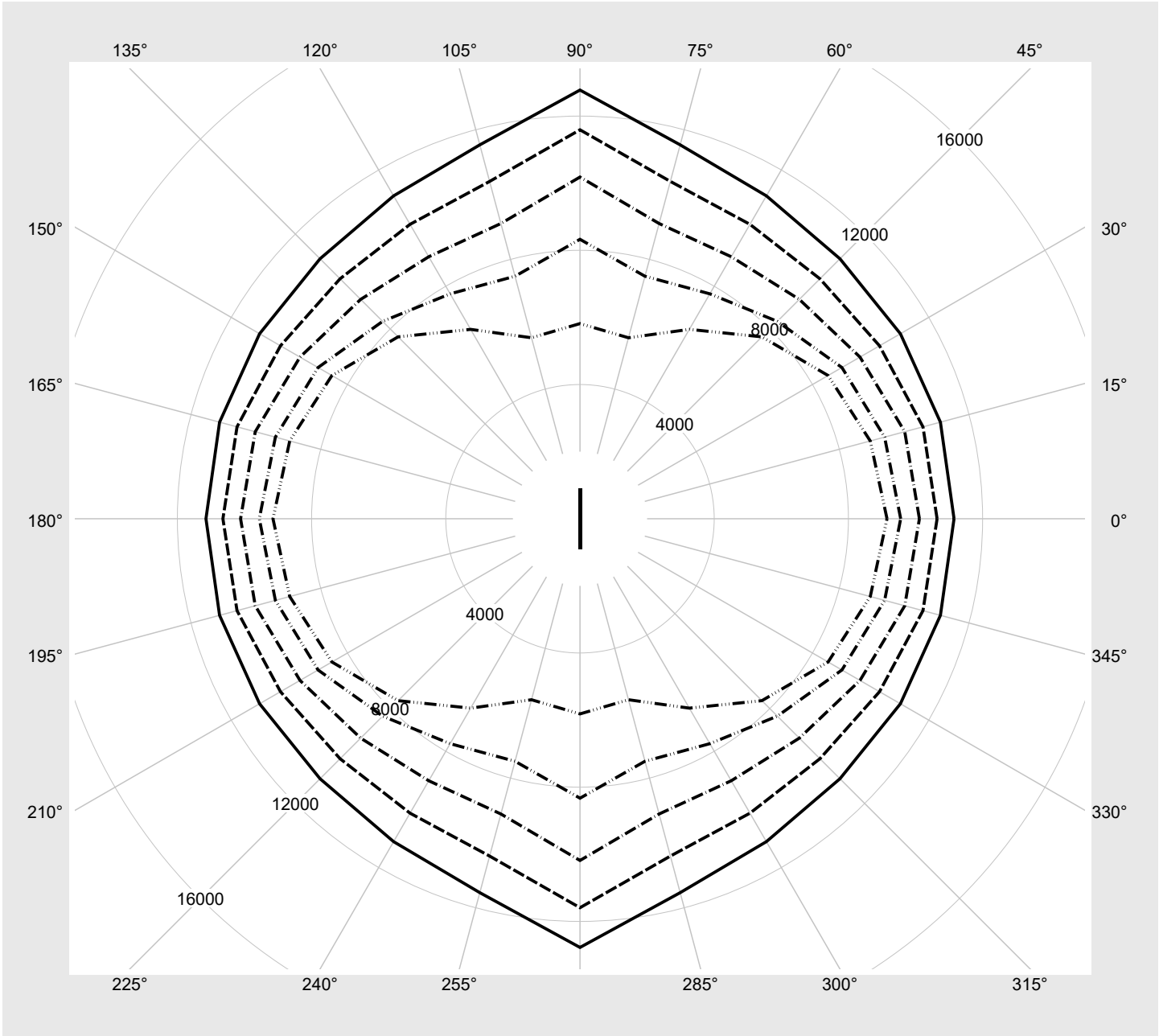
γ 70°

γ 75°

γ 80°

γ 85°

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Family Monsun® 11	Order number: 51FE10MP480S EAN: 4069025242419	LP number 58939_210
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8000	40.1
2	A	C	F	7440	37.2
3	A	D	E	6760	33.7
4	A	D	F	6260	31.1
5	B	C	E	5720	28.4
6	B	C	F	5240	26.0
7	B	D	E	4760	23.7
8	B	D	F	4220	21.1