
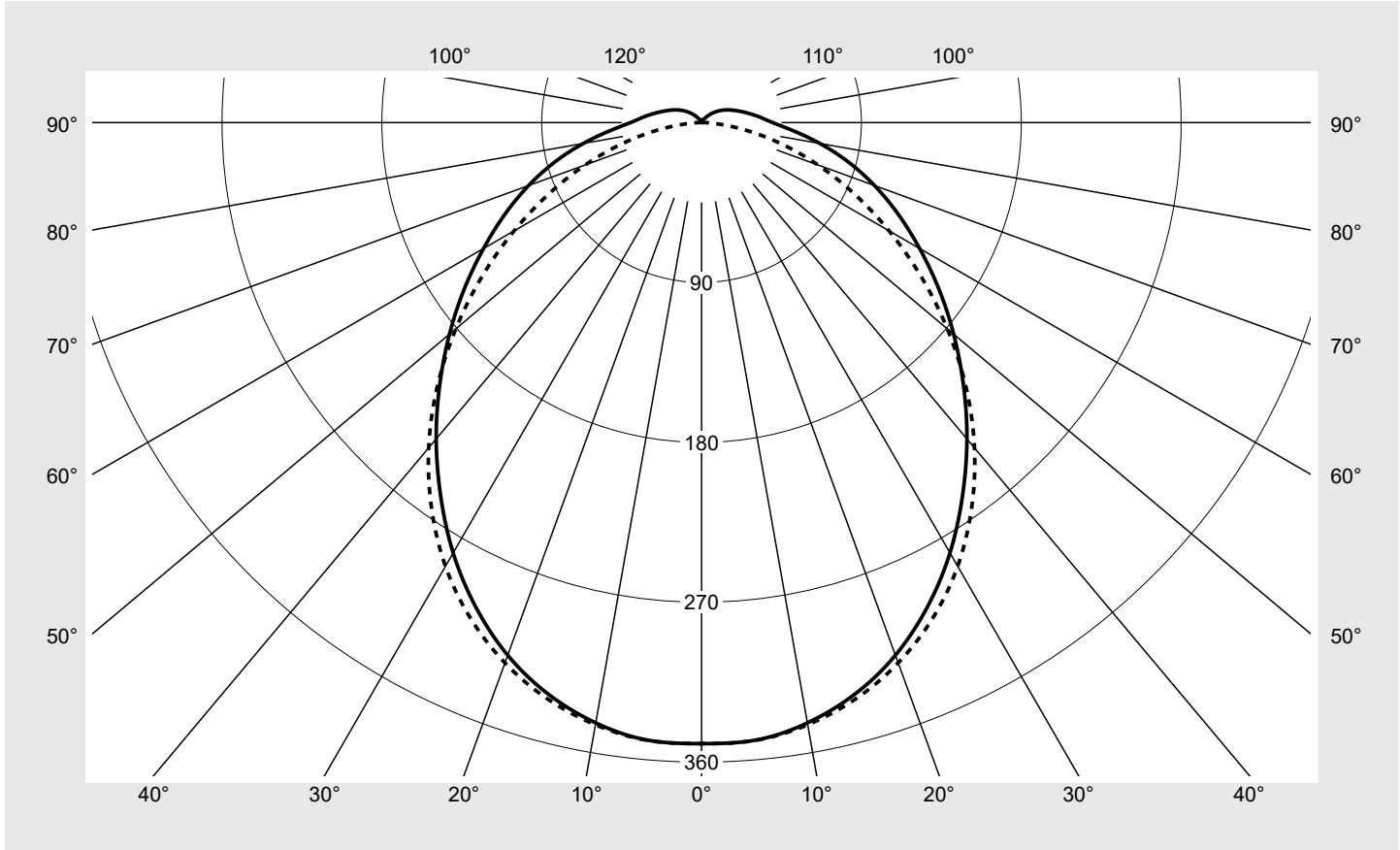


Photometric test report

Family Monsun® 21	Order number: 51FB30MP480B EAN: 4058352520338	LP number 59013_9
	Version prismatic diffuser, opal, PA, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 7750 lm Power consumption = 53.6 W Luminous efficacy = 144.6 lm/W	serial documentation 12.01.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 350 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=48 N2=77 N3=93 N4=95 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	94.6%
ϕ_o	5.4%

Measurement conditions
DIN EN 13032 and DIN 5032

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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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	2.1	2.1
5°	349.0	348.0	345.9	347.3	348.9	348.8	349.1	16.6	18.7
10°	343.1	342.7	340.7	342.3	343.9	344.0	344.2	32.6	51.4
15°	333.2	333.4	331.6	333.4	335.2	335.4	335.8	47.4	98.7
20°	319.1	319.9	318.4	320.5	322.7	323.2	323.7	60.2	158.9
25°	300.9	302.3	301.1	303.5	306.2	307.2	307.9	70.4	229.4
30°	279.7	281.4	280.3	282.7	285.9	287.4	288.4	77.7	307.1
35°	256.2	258.1	257.1	258.9	262.0	263.8	265.1	81.8	388.9
40°	232.4	233.8	232.7	233.2	235.7	237.7	239.0	82.7	471.6
45°	208.5	209.2	207.5	206.2	207.4	208.7	210.5	80.7	552.2
50°	185.3	185.4	183.1	180.1	179.1	179.0	180.6	76.3	628.5
55°	163.0	162.4	159.5	154.8	151.6	149.7	150.8	70.0	698.5
60°	141.8	140.8	136.8	130.7	125.6	121.9	121.9	62.3	760.8
65°	122.2	120.9	115.6	108.1	101.6	96.2	94.8	53.9	814.7
70°	103.6	102.2	95.5	87.0	79.2	72.5	69.8	44.9	859.6
75°	85.5	83.7	76.7	67.5	58.3	50.8	46.8	35.6	895.2
80°	67.6	65.6	59.5	49.4	39.4	31.1	26.3	26.3	921.4
85°	51.6	49.7	44.2	34.8	24.1	15.2	9.9	18.1	939.5
90°	40.0	38.5	33.8	25.4	15.4	6.7	1.8	12.9	952.4
95°	33.4	32.2	28.6	21.7	12.9	4.9	1.6	10.7	963.1
100°	28.1	27.1	23.9	18.1	10.6	3.5	1.4	8.8	971.9
105°	23.6	22.7	19.8	14.8	8.2	2.2	1.2	7.1	979.0
110°	20.0	18.9	16.3	11.8	6.0	1.3	1.1	5.6	984.5
115°	16.9	15.8	13.4	9.2	4.2	1.2	1.1	4.4	988.9
120°	14.0	13.0	10.7	6.9	2.6	1.1	1.0	3.3	992.2
125°	11.3	10.3	8.1	4.8	1.5	1.1	0.9	2.4	994.6
130°	8.7	7.8	5.8	3.1	1.3	1.0	1.0	1.7	996.2
135°	6.2	5.5	3.8	1.8	1.4	1.0	1.0	1.1	997.4
140°	4.0	3.4	2.2	1.6	1.4	1.1	1.1	0.7	998.1
145°	2.3	2.0	1.8	1.6	1.4	1.2	1.2	0.5	998.6
150°	1.9	1.9	1.8	1.6	1.3	1.2	1.2	0.4	999.0
155°	1.8	1.8	1.6	1.5	1.3	1.3	1.3	0.3	999.3
160°	1.6	1.6	1.5	1.3	1.3	1.3	1.3	0.3	999.6
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.8
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.3	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
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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	20.9	22.5	21.2	22.9	23.2	20.9	22.6	21.2	22.9	23.2
	3H	22.6	24.1	23.0	24.5	24.8	22.2	23.8	22.6	24.1	24.4
	4H	23.4	24.9	23.8	25.2	25.6	22.7	24.2	23.1	24.5	24.9
	6H	24.2	25.5	24.6	25.9	26.3	23.1	24.4	23.5	24.8	25.2
	8H	24.5	25.8	25.0	26.2	26.6	23.2	24.5	23.6	24.9	25.3
	12H	24.9	26.0	25.3	26.4	26.8	23.3	24.5	23.7	24.9	25.3
4H	2H	21.5	23.0	21.9	23.3	23.7	21.6	23.0	21.9	23.3	23.7
	3H	23.5	24.7	23.9	25.1	25.5	23.1	24.3	23.5	24.7	25.1
	4H	24.4	25.6	24.9	26.0	26.4	23.7	24.8	24.2	25.2	25.7
	6H	25.4	26.3	25.8	26.8	27.2	24.2	25.2	24.6	25.6	26.1
	8H	25.8	26.7	26.2	27.1	27.6	24.3	25.2	24.8	25.7	26.2
	12H	26.2	27.0	26.7	27.5	27.9	24.4	25.2	24.9	25.7	26.2
8H	4H	24.7	25.7	25.2	26.1	26.6	24.1	25.0	24.6	25.5	25.9
	6H	25.8	26.6	26.3	27.1	27.6	24.7	25.5	25.2	25.9	26.4
	8H	26.4	27.1	26.9	27.5	28.1	24.9	25.6	25.4	26.1	26.6
	12H	26.9	27.5	27.5	28.0	28.6	25.1	25.7	25.6	26.2	26.7
12H	4H	24.8	25.6	25.3	26.1	26.6	24.2	25.0	24.7	25.5	26.0
	6H	25.9	26.6	26.4	27.1	27.6	24.9	25.5	25.4	26.0	26.5
	8H	26.5	27.1	27.0	27.6	28.1	25.1	25.7	25.7	26.2	26.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1590	H(C0) = 21	H(C180) = 21
			B = 87	H(C90) = 21	H(C270) = 21

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°		13304.7	13404.1	13524.5	13847.0	14515.9	15380.4	16463.5	
50°		12542.2	12602.3	12697.9	12924.4	13485.7	14315.4	15497.3	
55°		11841.5	11858.9	11912.6	12025.5	12458.8	13202.7	14455.9	
60°		11201.4	11189.6	11157.9	11165.3	11456.0	12086.8	13349.8	
65°		10676.2	10631.7	10478.8	10343.6	10493.4	10985.8	12219.2	
70°		10206.8	10144.1	9818.9	9537.2	9519.1	9844.1	11026.7	
75°		9732.8	9626.5	9195.9	8737.5	8458.8	8581.4	9658.0	
80°		9203.8	9044.2	8632.1	7888.8	7268.6	7026.2	7888.1	
85°		8818.4	8632.9	8202.5	7310.9	6161.6	5253.8	5556.0	

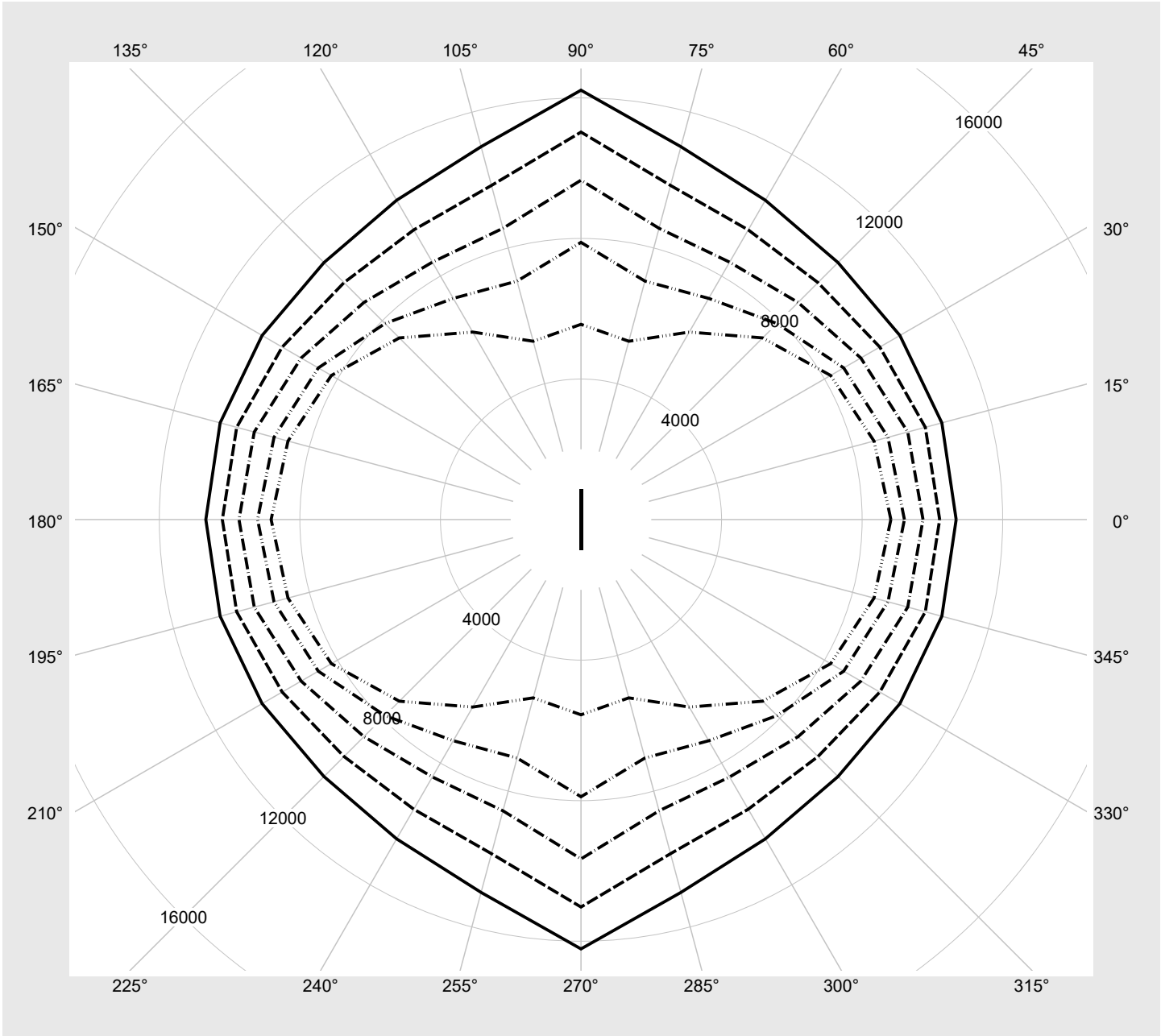
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	7750	53.6
2	A	C	F	7000	47.6
3	A	D	E	6460	43.5
4	A	D	F	5860	39.0
5	B	C	E	5310	35.0
6	B	C	F	4740	31.0
7	B	D	E	4170	27.1
8	B	D	F	3650	23.6