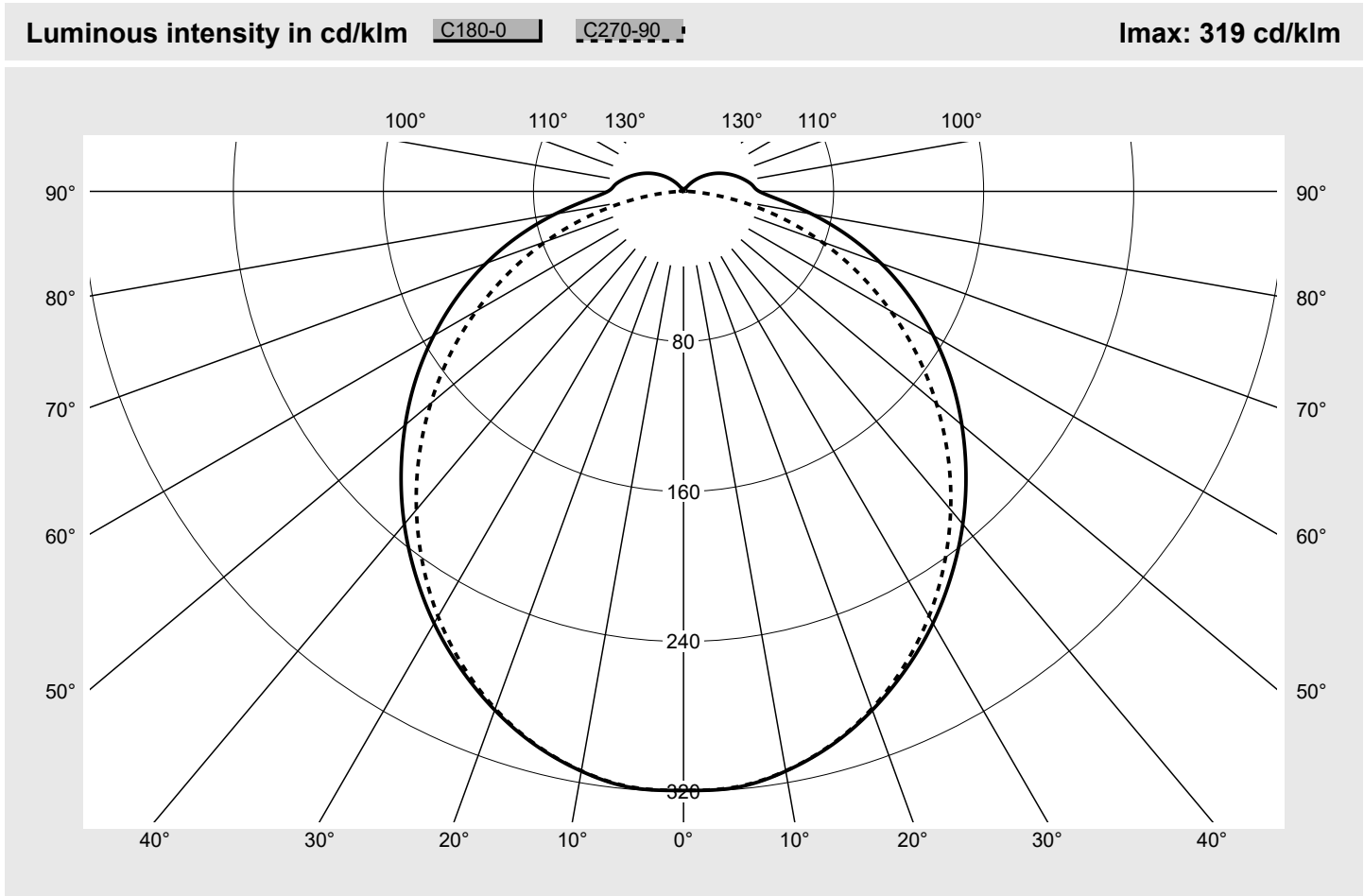


Photometric test report

Family Monsun® 21	Order number: 51FB207P437C3G EAN: 4069025178282	LP number 59060_123
	Version	prismatic diffuser, opal, polycarbonate, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Setting	emergency light operation: 3 h
	Rated values	Net luminous flux = 820 lm Power consumption = 7.1 W Luminous efficacy = 115.5 lm/W
		serial documentation 08.05.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=45 N2=75 N3=93	ϕ_u	93.7%
	N4=94 N5=100	ϕ_o	6.3%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB207P437C3G EAN: 4069025178282	LP number 59060_123
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	1.9	1.9
5°	319.1	317.8	316.0	317.2	318.6	318.6	318.8	15.2	17.1
10°	313.9	312.8	311.0	312.1	313.5	313.5	313.7	29.8	46.9
15°	305.6	304.7	302.7	303.7	305.0	304.9	305.2	43.2	90.1
20°	294.3	293.5	291.4	292.2	293.3	293.1	293.5	54.9	145.0
25°	280.9	280.2	277.7	277.9	278.8	278.5	278.8	64.6	209.6
30°	265.9	265.3	262.4	261.6	261.9	261.4	261.7	72.0	281.6
35°	249.2	248.5	245.6	243.7	242.9	242.2	242.4	77.0	358.5
40°	231.6	230.8	227.5	224.6	222.7	221.4	221.6	79.5	438.0
45°	212.9	211.8	208.5	204.2	201.3	199.0	199.4	79.5	517.5
50°	193.7	192.3	188.8	183.7	179.4	175.9	176.0	77.3	594.9
55°	174.1	172.4	168.8	162.7	157.2	152.3	152.1	73.1	667.9
60°	153.8	152.1	148.1	141.4	134.9	128.8	127.5	66.9	734.9
65°	133.1	131.4	127.0	119.9	112.8	105.5	102.8	59.2	794.0
70°	112.0	110.4	105.0	98.0	90.2	82.2	78.2	49.9	843.9
75°	90.5	88.8	83.0	75.7	67.3	58.8	53.6	39.3	883.2
80°	69.4	67.4	62.0	54.0	45.3	36.4	30.4	28.3	911.6
85°	51.2	49.1	43.8	35.9	26.7	17.7	11.3	18.6	930.2
90°	40.3	38.3	33.0	25.3	16.4	7.5	1.9	12.9	943.1
95°	36.9	35.1	30.2	22.8	14.1	5.6	1.6	11.6	954.7
100°	33.7	31.9	27.1	20.1	11.9	4.0	1.5	10.1	964.8
105°	30.1	28.5	23.8	17.3	9.5	2.6	1.3	8.6	973.4
110°	26.5	24.6	20.5	14.4	7.3	1.5	1.2	7.1	980.4
115°	22.8	21.1	17.3	11.6	5.2	1.3	1.2	5.7	986.1
120°	19.1	17.5	14.1	8.9	3.4	1.3	1.1	4.4	990.5
125°	15.4	13.9	10.8	6.2	1.7	1.2	1.0	3.2	993.6
130°	11.8	10.5	7.7	3.9	1.4	1.2	1.0	2.2	995.8
135°	8.3	7.2	5.0	2.0	1.4	1.2	1.1	1.4	997.2
140°	5.1	4.3	2.5	1.6	1.3	1.1	1.0	0.8	998.0
145°	2.4	2.0	1.8	1.6	1.4	1.2	1.2	0.5	998.5
150°	1.9	1.9	1.8	1.5	1.4	1.3	1.2	0.4	999.0
155°	1.8	1.8	1.6	1.5	1.4	1.3	1.3	0.4	999.3
160°	1.6	1.6	1.5	1.5	1.4	1.4	1.3	0.3	999.6
165°	1.5	1.5	1.4	1.4	1.4	1.4	1.3	0.2	999.8
170°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.4	1.4	1.4	1.3	0.1	1000.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1000.0

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Family Monsun® 21			Order number: 51FB207P437C3G EAN: 4069025178282							LP number 59060_123	
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	13.4	15.1	13.8	15.4	15.8	13.2	15.0	13.6	15.3	15.6
	3H	15.2	16.8	15.6	17.1	17.5	14.8	16.4	15.2	16.7	17.0
	4H	16.1	17.5	16.4	17.9	18.2	15.4	16.9	15.8	17.2	17.6
	6H	16.8	18.1	17.2	18.5	18.9	15.8	17.2	16.2	17.6	17.9
	8H	17.1	18.4	17.5	18.8	19.2	16.0	17.3	16.4	17.6	18.0
	12H	17.4	18.6	17.8	19.0	19.4	16.0	17.3	16.4	17.6	18.1
4H	2H	14.1	15.6	14.5	16.0	16.4	14.0	15.5	14.4	15.8	16.2
	3H	16.2	17.4	16.6	17.8	18.2	15.8	17.0	16.2	17.4	17.8
	4H	17.1	18.3	17.6	18.7	19.1	16.5	17.6	16.9	18.0	18.5
	6H	18.0	19.0	18.4	19.4	19.9	17.0	18.0	17.5	18.5	18.9
	8H	18.4	19.3	18.8	19.7	20.2	17.2	18.1	17.7	18.6	19.0
	12H	18.8	19.6	19.2	20.0	20.5	17.3	18.2	17.8	18.6	19.1
8H	4H	17.5	18.4	17.9	18.8	19.3	16.9	17.8	17.4	18.3	18.8
	6H	18.5	19.3	19.0	19.7	20.2	17.6	18.4	18.1	18.8	19.3
	8H	19.0	19.7	19.5	20.2	20.7	17.8	18.5	18.3	19.0	19.5
	12H	19.5	20.1	20.0	20.6	21.1	18.0	18.6	18.5	19.1	19.6
12H	4H	17.5	18.4	18.0	18.8	19.3	17.0	17.8	17.5	18.3	18.8
	6H	18.6	19.3	19.1	19.8	20.3	17.8	18.4	18.2	18.9	19.4
	8H	19.1	19.7	19.6	20.2	20.8	18.0	18.6	18.5	19.1	19.7

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	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		1438.1	1436.1	1437.7	1450.9	1490.3	1551.4	1649.5
50°		1387.4	1383.3	1385.5	1395.0	1429.5	1488.5	1597.6
55°		1338.1	1331.5	1333.5	1337.5	1366.7	1421.3	1542.6
60°		1285.5	1279.0	1278.4	1278.3	1301.7	1350.8	1477.9
65°		1230.1	1223.2	1217.6	1213.8	1232.6	1273.6	1401.5
70°		1167.1	1159.5	1143.3	1136.3	1146.8	1180.0	1307.5
75°		1090.2	1080.5	1053.6	1037.2	1032.4	1051.7	1170.8
80°		1000.4	982.8	952.5	911.4	883.4	871.1	966.9
85°		927.2	902.4	859.9	797.8	722.3	645.6	668.8

Photometric test report

Family
Monsun® 21

Order number: 51FB207P437C3G
EAN: 4069025178282

LP number
59060_123

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

