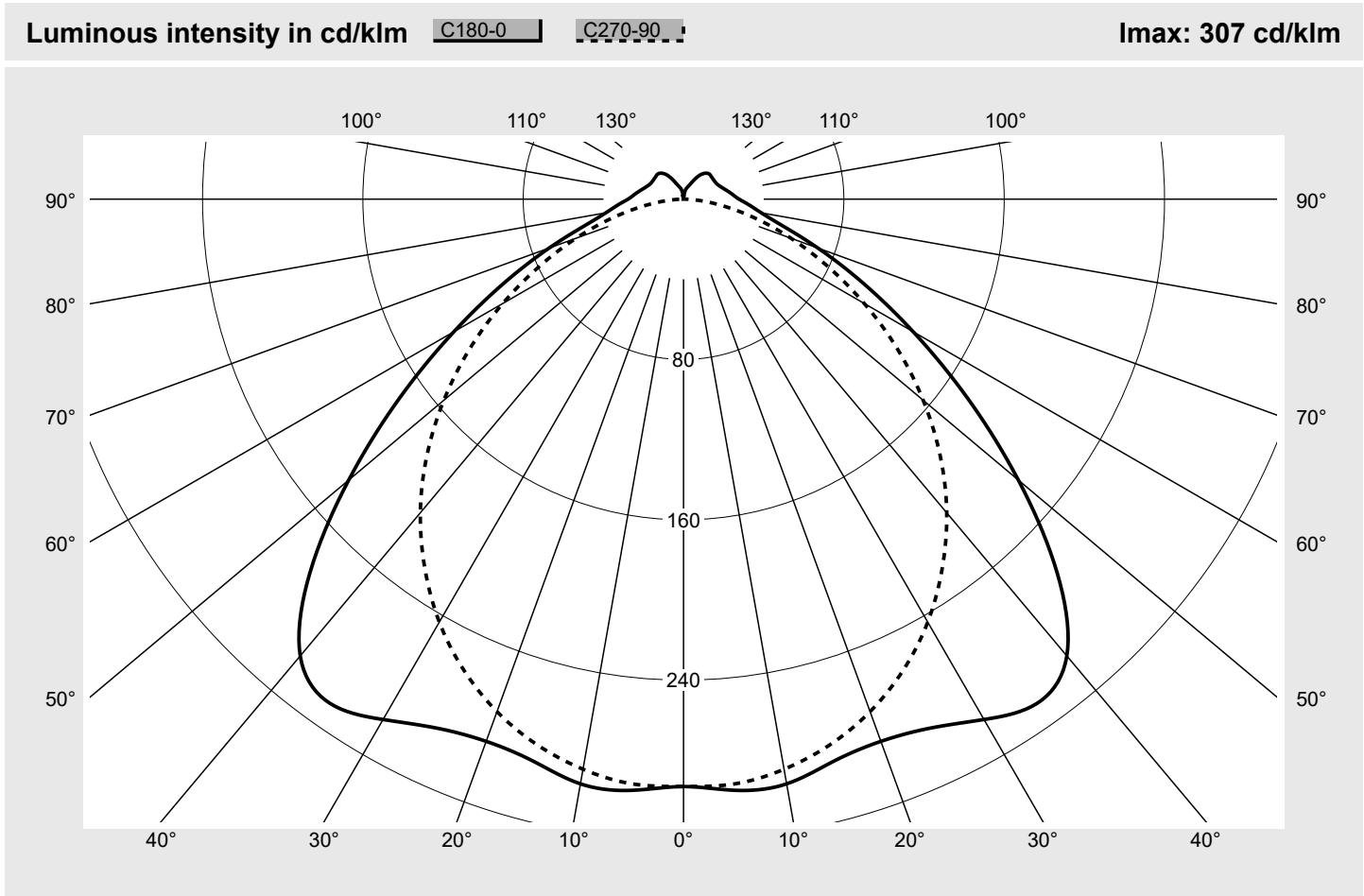


Photometric test report

Family DUS® 31	Order number: 53BD812MV4A5C2 EAN: 4069025124449	LP number 59594_79
	Version	diffuser optic, frosted, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Rated values	Net luminous flux = 10960 lm Power consumption = 60.5 W Luminous efficacy = 181.2 lm/W
		serial documentation 07.05.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=80 N3=95	ϕ_u	92.6%
	N4=93 N5=100	ϕ_o	7.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family DUS® 31	Order number: 53BD812MV4A5C2 EAN: 4069025124449	LP number 59594_79
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°	293.1	293.1	293.1	293.1	293.1	293.1	293.1	1.8	1.8
5°	296.1	295.6	293.1	293.6	293.8	293.0	292.9	14.0	15.8
10°	296.3	296.3	293.6	293.6	292.6	289.9	288.9	27.9	43.7
15°	290.3	290.9	288.4	289.1	288.3	284.2	281.9	40.8	84.5
20°	287.9	288.2	282.8	281.1	280.6	275.9	272.2	52.8	137.3
25°	291.3	290.8	281.6	274.0	270.0	264.7	259.4	64.0	201.2
30°	299.8	298.4	283.7	269.7	258.3	250.5	243.7	74.6	275.8
35°	307.3	306.0	288.6	266.7	246.6	233.7	225.0	84.2	360.1
40°	297.5	299.0	287.4	263.1	235.0	215.2	204.3	91.1	451.1
45°	263.6	268.2	268.7	253.4	221.8	194.2	181.1	92.3	543.4
50°	218.1	223.5	232.0	231.1	204.9	171.7	156.1	87.5	630.9
55°	172.9	177.3	186.9	195.4	181.1	147.5	130.2	77.8	708.7
60°	132.3	135.3	142.3	152.9	149.4	121.4	104.1	64.8	773.5
65°	98.5	100.2	104.0	112.2	114.5	94.5	79.4	50.9	824.4
70°	71.4	72.6	74.4	79.3	82.2	69.0	57.1	37.9	862.3
75°	51.0	51.6	52.9	55.5	55.9	46.4	37.5	27.0	889.4
80°	39.4	39.1	38.7	38.1	35.5	27.5	20.9	18.8	908.2
85°	32.8	32.1	30.1	26.5	21.0	13.7	8.3	13.1	921.3
90°	27.7	27.1	24.5	19.3	12.6	5.6	0.8	9.4	930.7
95°	24.8	24.4	22.4	17.8	11.6	5.3	0.8	8.6	939.3
100°	22.5	22.2	20.5	16.7	11.5	5.5	0.8	7.9	947.2
105°	20.6	20.3	18.7	16.0	11.5	5.9	0.8	7.3	954.6
110°	19.2	18.7	17.6	15.5	11.7	6.3	0.7	6.8	961.4
115°	18.2	17.8	17.0	15.3	12.2	5.8	0.8	6.4	967.8
120°	17.9	17.4	16.9	15.5	12.3	5.3	0.8	6.1	973.9
125°	17.8	17.4	16.9	15.5	11.8	5.2	0.8	5.7	979.6
130°	17.9	17.4	16.8	15.0	10.1	5.0	0.9	5.2	984.7
135°	17.9	17.3	16.2	13.6	8.1	4.3	1.0	4.5	989.2
140°	16.9	16.0	14.5	11.2	6.7	3.5	1.1	3.6	992.8
145°	14.9	14.0	12.0	8.5	5.5	2.8	1.2	2.7	995.4
150°	11.8	10.8	9.0	6.5	4.7	2.2	1.4	1.8	997.3
155°	8.6	8.1	7.0	5.2	4.0	1.7	1.5	1.2	998.5
160°	6.8	6.5	5.3	4.3	3.2	1.5	1.5	0.8	999.2
165°	5.5	5.3	3.9	3.4	2.1	1.6	1.6	0.5	999.7
170°	3.8	3.1	2.5	2.0	1.6	1.6	1.6	0.2	999.9
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.1	1000.0
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1000.0

Photometric test report

Family DUS® 31	Order number: 53BD812MV4A5C2 EAN: 4069025124449	LP number 59594_79
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	23.1	24.8	23.5	25.1	25.5	22.9	24.6	23.3	24.9	25.2
	3H	24.0	25.5	24.4	25.8	26.2	24.0	25.6	24.4	25.9	26.3
	4H	24.3	25.7	24.7	26.1	26.4	24.4	25.9	24.8	26.2	26.6
	6H	24.6	25.9	25.0	26.3	26.7	24.7	26.0	25.1	26.4	26.8
	8H	24.8	26.0	25.2	26.4	26.8	24.8	26.0	25.2	26.4	26.8
	12H	24.9	26.1	25.4	26.5	26.9	24.8	26.0	25.2	26.4	26.8
4H	2H	23.8	25.2	24.2	25.6	25.9	23.7	25.1	24.1	25.4	25.8
	3H	24.8	26.0	25.2	26.4	26.8	25.0	26.2	25.4	26.6	27.0
	4H	25.2	26.3	25.6	26.7	27.1	25.5	26.6	25.9	27.0	27.4
	6H	25.6	26.5	26.0	27.0	27.4	25.8	26.8	26.3	27.2	27.7
	8H	25.8	26.7	26.2	27.1	27.6	26.0	26.9	26.4	27.3	27.8
	12H	26.0	26.8	26.5	27.3	27.7	26.0	26.8	26.5	27.3	27.8
8H	4H	25.4	26.3	25.9	26.8	27.2	25.7	26.6	26.2	27.1	27.5
	6H	25.9	26.7	26.4	27.2	27.7	26.2	27.0	26.7	27.4	27.9
	8H	26.2	26.9	26.7	27.4	27.9	26.4	27.1	26.9	27.5	28.0
	12H	26.6	27.1	27.1	27.6	28.2	26.5	27.1	27.0	27.6	28.1
12H	4H	25.5	26.3	26.0	26.7	27.2	25.8	26.6	26.3	27.0	27.5
	6H	26.0	26.7	26.5	27.2	27.7	26.3	26.9	26.8	27.4	27.9
	8H	26.4	26.9	26.9	27.4	27.9	26.5	27.1	27.0	27.6	28.1

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1514 B = 75	H(C0) = 25 H(C90) = 0	H(C180) = 25 H(C270) = 0
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°	26989.0	27697.3	28462.7	27990.5	25955.0	24405.3	24723.5	
50°	23437.5	24251.4	25920.1	27087.8	25663.2	23382.7	23440.7	
55°	19709.1	20433.1	22268.3	24605.2	24609.7	22103.0	21917.3	
60°	16191.9	16762.3	18308.2	20958.9	22377.2	20382.8	20104.8	
65°	13122.0	13542.1	14674.7	17025.9	19273.0	18203.5	18125.9	
70°	10510.5	10867.0	11701.7	13585.9	15915.8	15743.5	16103.7	
75°	8471.1	8741.3	9491.3	11010.2	12850.6	13077.6	13977.4	
80°	7577.0	7694.5	8146.6	9071.5	10154.4	10272.8	11614.4	
85°	7550.7	7604.9	7759.4	7942.7	8019.4	7628.0	9235.1	

Photometric test report

Family
DUS® 31

Order number: **53BD812MV4A5C2**
EAN: **4069025124449**

LP number
59594_79

Luminance values in cd/m²

γ 65°

γ 70°

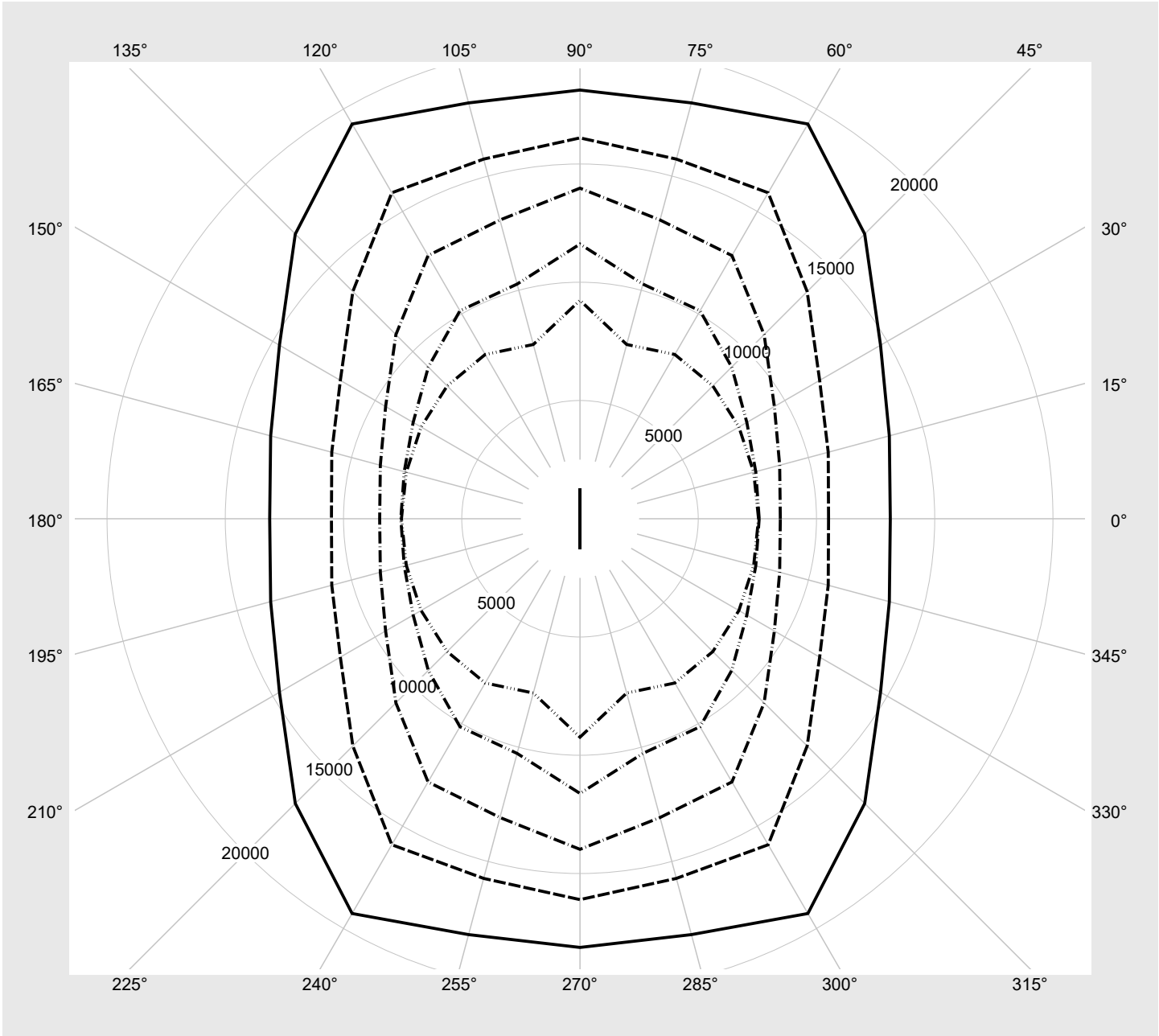
γ 75°

γ 80°

γ 85°

sit

eco



Photometric test report

Family DUS® 31	Order number: 53BD812MV4A5C2 EAN: 4069025124449	LP number 59594_79
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10960	60.5
2	A	C	F	10390	56.9
3	A	D	E	9830	53.4
4	A	D	F	9310	50.4
5	B	C	E	8800	47.4
6	B	C	F	8280	44.3
7	B	D	E	7760	41.3
8	B	D	F	7300	38.8