

Photometric test report

Family DUS® 31	Order number: 53BD812CV49XC2 EAN: 4069025124289	LP number 59594_82
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	Phi-zone	Total Phi-zone
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

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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	22.5	24.2	22.9	24.5	24.9	22.3	24.0	22.7	24.3	24.6
	3H	23.4	24.9	23.8	25.2	25.6	23.4	25.0	23.8	25.3	25.7
	4H	23.7	25.1	24.1	25.5	25.9	23.8	25.3	24.2	25.6	26.0
	6H	24.0	25.3	24.4	25.7	26.1	24.1	25.4	24.5	25.8	26.2
	8H	24.2	25.4	24.6	25.8	26.2	24.2	25.4	24.6	25.8	26.2
	12H	24.3	25.5	24.8	25.9	26.3	24.2	25.4	24.6	25.8	26.2
4H	2H	23.2	24.6	23.6	25.0	25.3	23.1	24.5	23.5	24.8	25.2
	3H	24.2	25.4	24.6	25.8	26.2	24.4	25.6	24.8	26.0	26.4
	4H	24.6	25.7	25.0	26.1	26.5	24.9	26.0	25.3	26.4	26.8
	6H	25.0	25.9	25.4	26.4	26.8	25.3	26.2	25.7	26.6	27.1
	8H	25.2	26.1	25.6	26.5	27.0	25.4	26.3	25.8	26.7	27.2
	12H	25.4	26.2	25.9	26.7	27.1	25.4	26.2	25.9	26.7	27.2
8H	4H	24.8	25.7	25.3	26.2	26.7	25.1	26.0	25.6	26.5	26.9
	6H	25.4	26.1	25.8	26.6	27.1	25.6	26.4	26.1	26.8	27.3
	8H	25.6	26.3	26.1	26.8	27.3	25.8	26.5	26.3	26.9	27.5
	12H	26.0	26.5	26.5	27.0	27.6	25.9	26.5	26.4	27.0	27.5
12H	4H	24.9	25.7	25.4	26.1	26.6	25.2	26.0	25.7	26.4	26.9
	6H	25.4	26.1	25.9	26.6	27.1	25.7	26.3	26.2	26.8	27.3
	8H	25.8	26.3	26.3	26.8	27.4	25.9	26.5	26.4	27.0	27.5

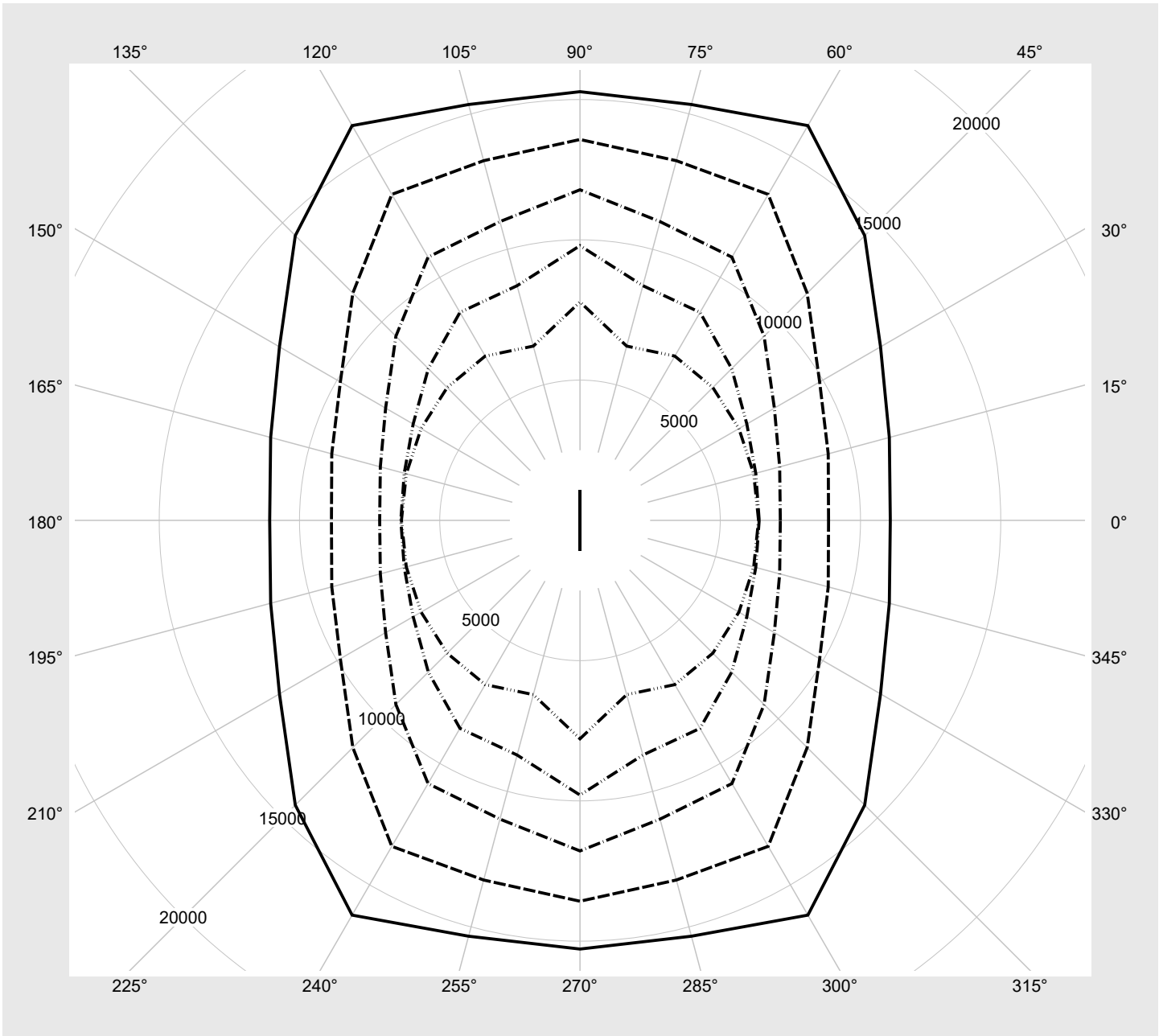
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1514	H(C0) = 25	H(C180) = 25
			B = 75	H(C90) = 0	H(C270) = 0

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°		22753.5	23350.6	23995.9	23597.8	21881.8	20575.3	20843.5	
50°		19759.3	20445.5	21852.4	22836.8	21635.7	19713.1	19762.0	
55°		16616.0	17226.4	18773.6	20743.8	20747.6	18634.3	18477.7	
60°		13650.8	14131.7	15435.0	17669.7	18865.4	17184.1	16949.7	
65°		11062.7	11416.9	12371.7	14353.9	16248.4	15346.7	15281.3	
70°		8861.0	9161.6	9865.3	11453.8	13418.1	13272.8	13576.5	
75°		7141.7	7369.5	8001.8	9282.3	10833.9	11025.3	11783.9	
80°		6387.9	6486.9	6868.1	7647.9	8560.8	8660.6	9791.7	
85°		6365.8	6411.5	6541.7	6696.2	6760.9	6430.9	7785.8	

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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]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	9240	49.9	60.5	55.2
2	A	C	F	8804	47.4	56.9	52.2
3	A	D	E	8276	44.3	53.4	48.8
4	A	D	F	7757	41.3	49.5	45.4
5	B	C	E	7301	38.8	46.5	42.6
6	B	C	F	6761	35.8	42.6	39.2
7	B	D	E	6222	32.8	39.1	36.0
8	B	D	F	5673	29.9	35.3	32.6