

Photometric test report

Family DUS® 31	Order number: 53BD812DV6A5C2 EAN: 4069025124401	LP number 59594_206
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	23.0	24.7	23.4	25.0	25.3	22.8	24.5	23.1	24.8	25.1
	3H	23.8	25.4	24.2	25.7	26.1	23.9	25.4	24.3	25.8	26.1
	4H	24.2	25.6	24.6	25.9	26.3	24.3	25.7	24.7	26.1	26.5
	6H	24.5	25.8	24.9	26.1	26.5	24.5	25.9	25.0	26.3	26.6
	8H	24.6	25.9	25.1	26.2	26.6	24.6	25.9	25.1	26.3	26.7
	12H	24.8	26.0	25.2	26.3	26.8	24.7	25.9	25.1	26.3	26.7
4H	2H	23.6	25.1	24.0	25.4	25.8	23.5	25.0	23.9	25.3	25.7
	3H	24.6	25.9	25.1	26.2	26.7	24.9	26.1	25.3	26.5	26.9
	4H	25.0	26.1	25.5	26.6	27.0	25.4	26.5	25.8	26.9	27.3
	6H	25.4	26.4	25.9	26.8	27.3	25.7	26.7	26.2	27.1	27.6
	8H	25.6	26.5	26.1	27.0	27.4	25.8	26.7	26.3	27.2	27.6
	12H	25.9	26.7	26.4	27.1	27.6	25.9	26.7	26.4	27.2	27.6
8H	4H	25.3	26.2	25.8	26.6	27.1	25.6	26.5	26.1	26.9	27.4
	6H	25.8	26.6	26.3	27.0	27.5	26.1	26.8	26.6	27.3	27.8
	8H	26.1	26.8	26.6	27.2	27.8	26.3	26.9	26.8	27.4	27.9
	12H	26.4	27.0	26.9	27.5	28.0	26.4	27.0	26.9	27.5	28.0
12H	4H	25.3	26.1	25.8	26.6	27.1	25.6	26.4	26.1	26.9	27.4
	6H	25.9	26.5	26.4	27.0	27.5	26.2	26.8	26.7	27.3	27.8
	8H	26.2	26.8	26.7	27.3	27.8	26.4	26.9	26.9	27.4	28.0

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°		25979.3	26661.2	27397.9	26943.4	24984.1	23492.3	23798.6	
50°		22560.7	23344.2	24950.5	26074.5	24703.2	22507.9	22563.8	
55°		18971.8	19668.7	21435.2	23684.8	23689.1	21276.2	21097.4	
60°		15586.2	16135.2	17623.3	20174.8	21540.1	19620.3	19352.7	
65°		12631.1	13035.5	14125.7	16389.0	18552.0	17522.5	17447.8	
70°		10117.3	10460.5	11263.9	13077.7	15320.4	15154.6	15501.3	
75°		8154.2	8414.3	9136.3	10598.3	12369.9	12588.4	13454.5	
80°		7293.6	7406.6	7841.9	8732.1	9774.5	9888.5	11179.9	
85°		7268.3	7320.5	7469.1	7645.6	7719.4	7342.7	8889.6	

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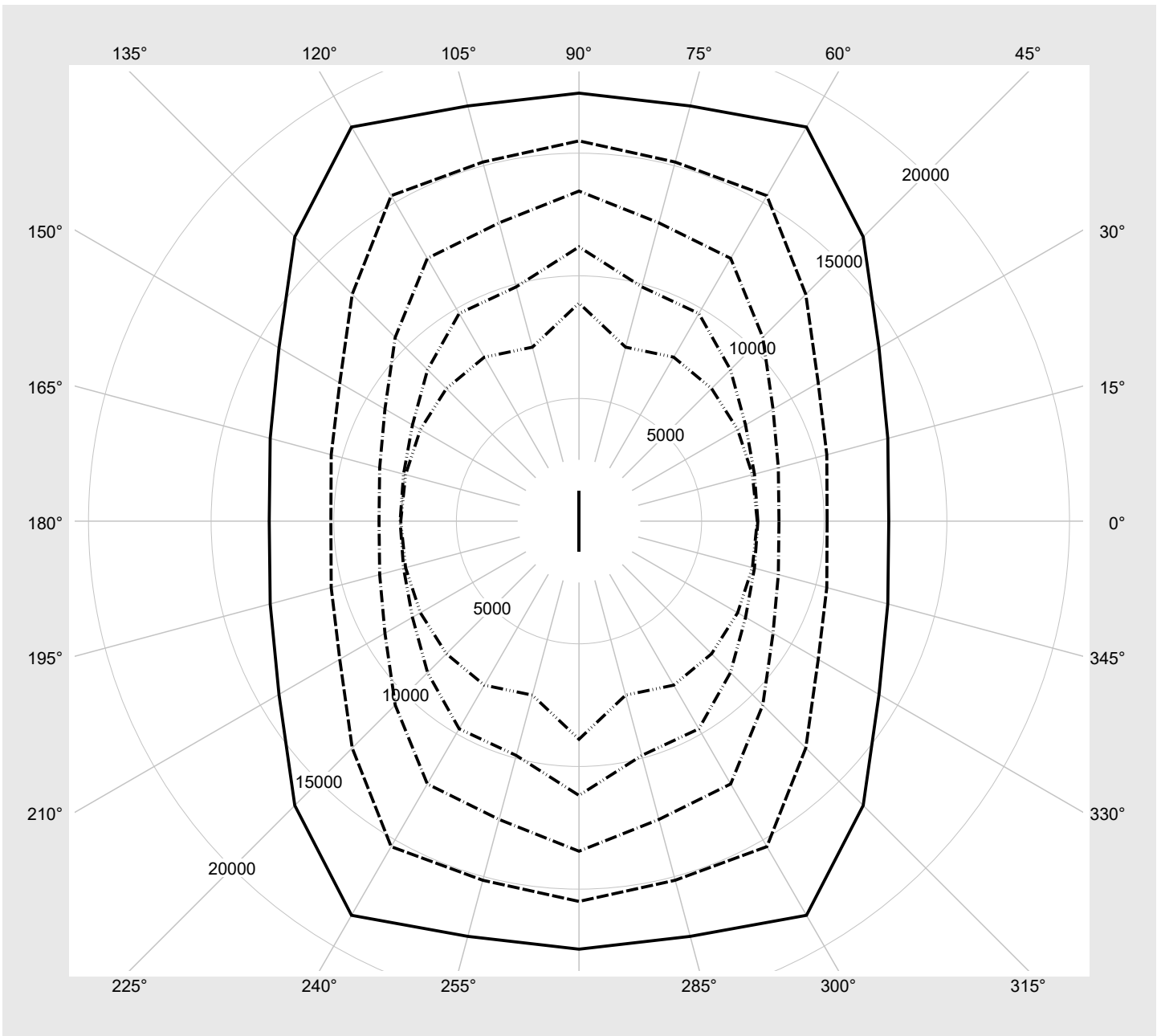
Family
DUS® 31

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10550	61.4
95	240	252	10024	57.9
90	226	250	9490	54.5
85	212	247	8951	51.0
80	199	245	8443	47.9
75	186	243	7928	44.8
70	172	240	7368	41.4
65	159	237	6843	38.3
60	146	234	6311	35.3
55	134	231	5815	32.5
50	121	227	5273	29.4
45	109	223	4767	26.6
40	96	218	4215	23.6
35	84	213	3701	20.8
30	72	208	3182	18.1
25	60	201	2655	15.4
20	48	193	2129	12.8
15	36	182	1598	10.0
10	24	168	1064	7.0
5	12	142	526	4.2
2	4	102	165	2.4