

Photometric test report

Family DUS® 31	Order number: 53BD812DV4A5C2 EAN: 4069025124371	LP number 59594_58
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									
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	25.4	22.9	24.6	23.2	24.9	25.2
	3H	23.9	25.5	24.3	25.8	26.2	24.0	25.5	24.4	25.9	26.2
	4H	24.3	25.7	24.7	26.0	26.4	24.4	25.8	24.8	26.2	26.6
	6H	24.6	25.9	25.0	26.2	26.6	24.7	26.0	25.1	26.4	26.8
	8H	24.7	26.0	25.2	26.3	26.7	24.7	26.0	25.2	26.4	26.8
	12H	24.9	26.1	25.3	26.4	26.9	24.8	26.0	25.2	26.4	26.8
4H	2H	23.7	25.2	24.1	25.5	25.9	23.6	25.1	24.0	25.4	25.8
	3H	24.7	26.0	25.2	26.3	26.8	25.0	26.2	25.4	26.6	27.0
	4H	25.1	26.2	25.6	26.7	27.1	25.5	26.6	25.9	27.0	27.4
	6H	25.5	26.5	26.0	26.9	27.4	25.8	26.8	26.3	27.2	27.7
	8H	25.7	26.6	26.2	27.1	27.5	25.9	26.8	26.4	27.3	27.7
	12H	26.0	26.8	26.5	27.2	27.7	26.0	26.8	26.5	27.3	27.7
8H	4H	25.4	26.3	25.9	26.7	27.2	25.7	26.6	26.2	27.0	27.5
	6H	25.9	26.7	26.4	27.1	27.6	26.2	26.9	26.7	27.4	27.9
	8H	26.2	26.9	26.7	27.3	27.9	26.4	27.0	26.9	27.5	28.0
	12H	26.5	27.1	27.0	27.6	28.1	26.5	27.1	27.0	27.6	28.1
12H	4H	25.4	26.2	25.9	26.7	27.2	25.7	26.5	26.2	27.0	27.5
	6H	26.0	26.6	26.5	27.1	27.6	26.3	26.9	26.8	27.4	27.9
	8H	26.3	26.9	26.8	27.4	27.9	26.5	27.0	27.0	27.5	28.1

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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	
		345°	330°	315°	300°			
		Luminance in cd/m ²						
45°		26742.7	27444.6	28203.0	27735.1	25718.2	24182.6	24497.9
50°		23223.7	24030.1	25683.6	26840.6	25429.0	23169.3	23226.8
55°		19529.2	20246.6	22065.1	24380.7	24385.1	21901.3	21717.3
60°		16044.2	16609.3	18141.1	20767.6	22173.0	20196.9	19921.4
65°		13002.2	13418.5	14540.8	16870.5	19097.1	18037.4	17960.5
70°		10414.6	10767.9	11594.9	13462.0	15770.6	15599.9	15956.8
75°		8393.8	8661.5	9404.7	10909.8	12733.4	12958.3	13849.9
80°		7507.9	7624.3	8072.3	8988.7	10061.8	10179.1	11508.4
85°		7481.8	7535.6	7688.6	7870.2	7946.3	7558.4	9150.8

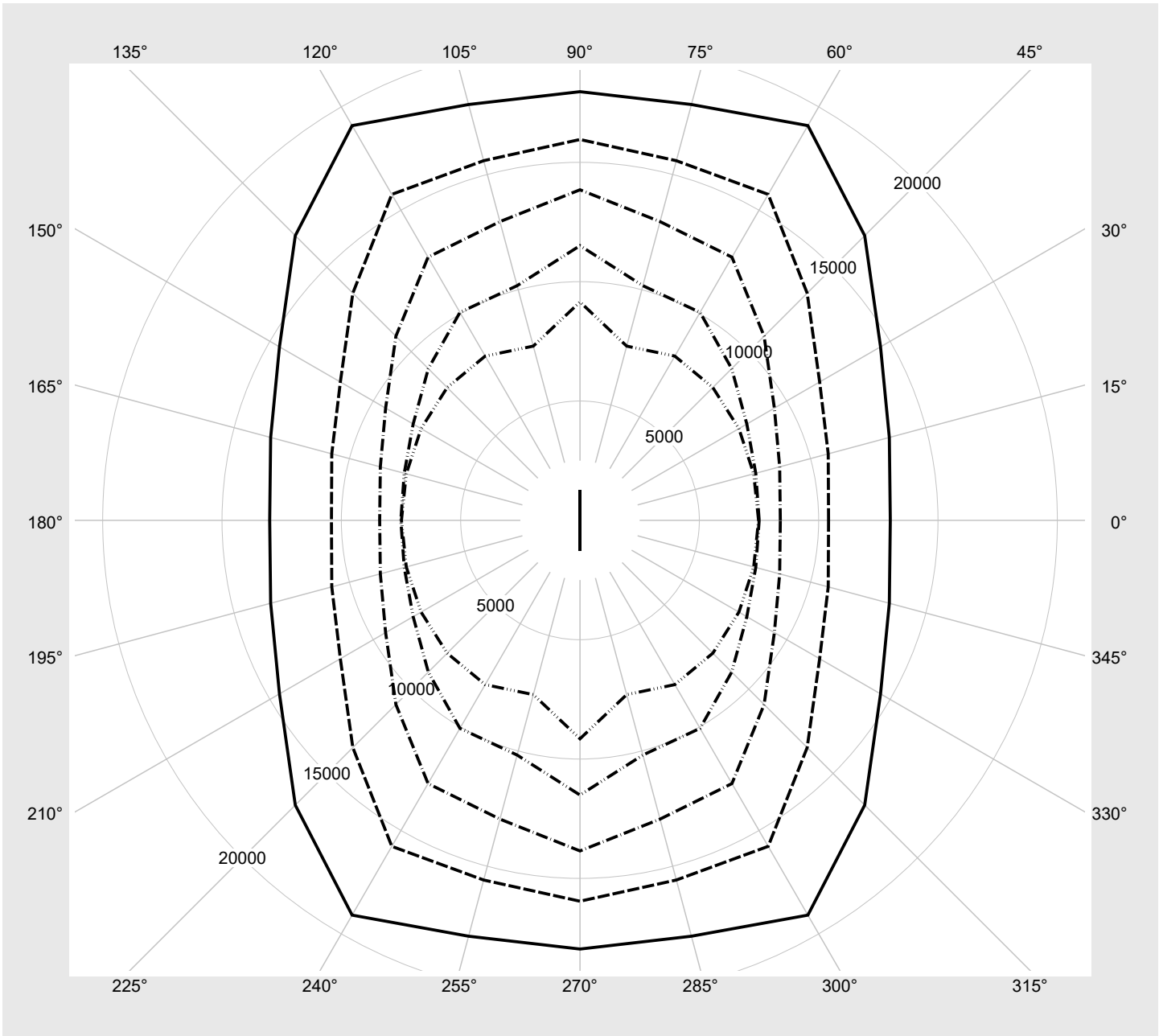
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Family
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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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	----	----	----	----
100	253	254	10822	61.1
95	240	252	10320	57.9
90	226	250	9772	54.5
85	212	247	9218	51.0
80	199	245	8697	47.9
75	185	242	8126	44.6
70	172	240	7591	41.4
65	159	237	7051	38.3
60	146	234	6504	35.3
55	134	231	5994	32.5
50	121	227	5436	29.4
45	108	223	4872	26.3
40	96	218	4347	23.6
35	84	213	3817	20.8
30	71	207	3237	17.9
25	59	201	2695	15.3
20	47	192	2151	12.6
15	36	182	1649	10.0
10	24	168	1098	7.0
5	12	142	543	4.2
2	4	102	170	2.4