

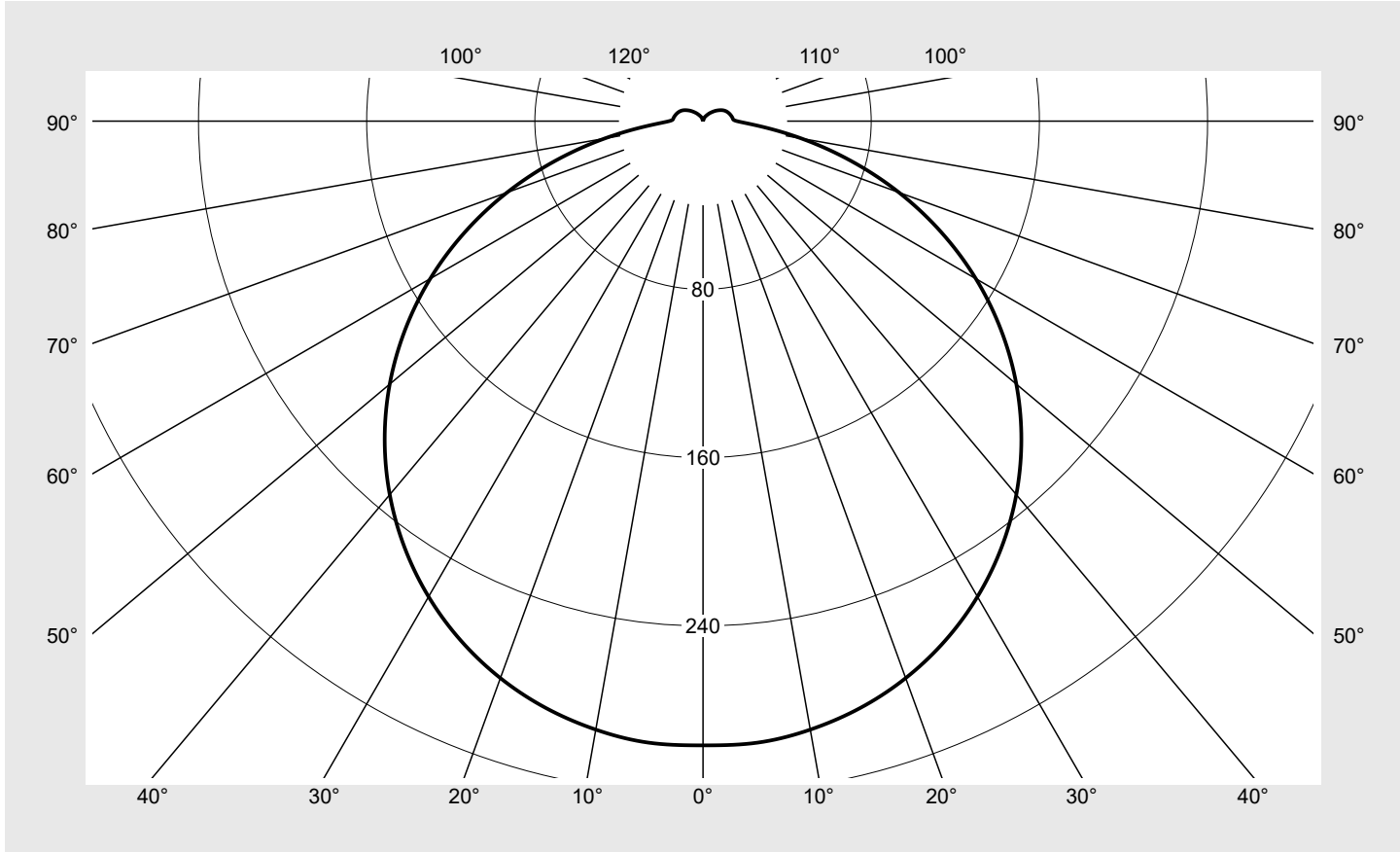


Photometric test report

Family Rondel 31	Order number: 51WC10MB34AS EAN: 4058352616994	LP number 59345_50
	Version enclosure, PC, transparent, opal, with presence- and daylightsensor, diffuse beam	serial documentation 09.08.2023
	Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 4250 lm Power consumption = 35.4 W Luminous efficacy = 120.1 lm/W	
		

Luminous intensity in cd/klm C180-0 **Imax: 297 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=44 N2=75 N3=94 N4=94 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	94.2%
ϕ_o	5.8%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	296.8	1.8	1.8
5°	296.7	14.2	15.9
10°	293.8	28.0	43.9
15°	288.9	41.0	84.9
20°	281.8	52.8	137.7
25°	272.6	63.1	200.9
30°	261.1	71.6	272.4
35°	247.5	77.8	350.2
40°	231.8	81.7	431.9
45°	214.2	83.0	514.9
50°	194.6	81.7	596.6
55°	173.0	77.7	674.3
60°	149.9	71.1	745.5
65°	125.1	62.1	807.6
70°	99.2	51.1	858.7
75°	72.7	38.5	897.2
80°	47.5	25.7	922.8
85°	26.9	14.7	937.5
90°	16.1	8.8	946.3
95°	14.2	7.7	954.1
100°	13.7	7.4	961.5
105°	13.1	7.0	968.4
110°	12.4	6.4	974.8
115°	11.6	5.8	980.6
120°	10.4	4.9	985.5
125°	9.0	4.0	989.6
130°	7.6	3.2	992.7
135°	6.1	2.4	995.1
140°	4.9	1.7	996.8
145°	3.8	1.2	998.0
150°	2.9	0.8	998.8
155°	2.2	0.5	999.3
160°	1.6	0.3	999.6
165°	1.3	0.2	999.8
170°	1.2	0.1	999.9
175°	1.2	0.1	1000.0
180°	1.2	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	18.8	20.5	19.1	20.8	21.2	18.8	20.5	19.1	20.8	21.2
	3H	20.5	22.1	20.9	22.4	22.8	20.5	22.1	20.9	22.4	22.8
	4H	21.2	22.7	21.6	23.0	23.4	21.2	22.7	21.6	23.0	23.4
	6H	21.7	23.1	22.2	23.5	23.9	21.7	23.1	22.2	23.5	23.9
	8H	22.0	23.3	22.4	23.6	24.0	22.0	23.3	22.4	23.6	24.0
	12H	22.1	23.3	22.6	23.7	24.2	22.1	23.3	22.6	23.7	24.2
4H	2H	19.6	21.1	20.0	21.4	21.8	19.6	21.1	20.0	21.4	21.8
	3H	21.5	22.8	21.9	23.1	23.5	21.5	22.8	21.9	23.1	23.5
	4H	22.3	23.5	22.7	23.9	24.3	22.3	23.5	22.7	23.9	24.3
	6H	23.0	24.0	23.4	24.4	24.9	23.0	24.0	23.4	24.4	24.9
	8H	23.2	24.1	23.7	24.6	25.1	23.2	24.1	23.7	24.6	25.1
	12H	23.4	24.3	23.9	24.7	25.2	23.4	24.3	23.9	24.7	25.2
8H	4H	22.7	23.6	23.1	24.0	24.5	22.7	23.6	23.1	24.0	24.5
	6H	23.5	24.2	24.0	24.7	25.2	23.5	24.2	24.0	24.7	25.2
	8H	23.8	24.5	24.3	25.0	25.5	23.8	24.5	24.3	25.0	25.5
	12H	24.1	24.7	24.6	25.2	25.7	24.1	24.7	24.6	25.2	25.7
12H	4H	22.7	23.6	23.2	24.0	24.5	22.7	23.6	23.2	24.0	24.5
	6H	23.6	24.3	24.1	24.7	25.2	23.6	24.3	24.1	24.7	25.2
	8H	23.9	24.5	24.5	25.0	25.6	23.9	24.5	24.5	25.0	25.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 480	H(C0) = 30 H(C90) = 30	H(C180) = 30 H(C270) = 30
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C-planes	0°
γ	Luminance in cd/m ²
45°	6588.9
50°	6492.8
55°	6361.8
60°	6186.4
65°	5937.0
70°	5588.9
75°	5085.1
80°	4430.3
85°	3789.3

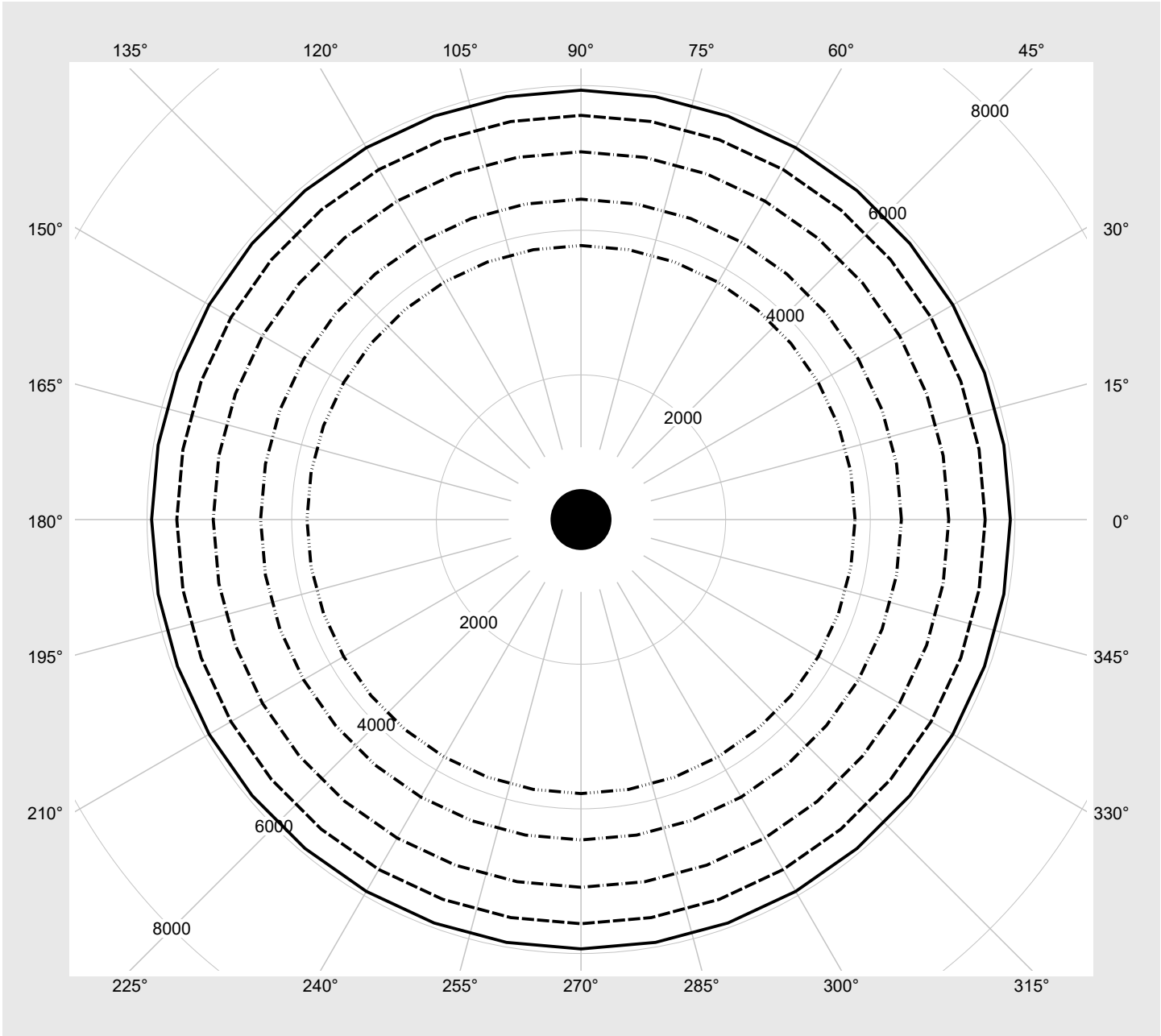
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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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]
	1	2		
3	ON	ON	4250	35.4
2	ON	OFF	4070	34.0
1	OFF	ON	3850	32.0
0	OFF	OFF	3600	30.0