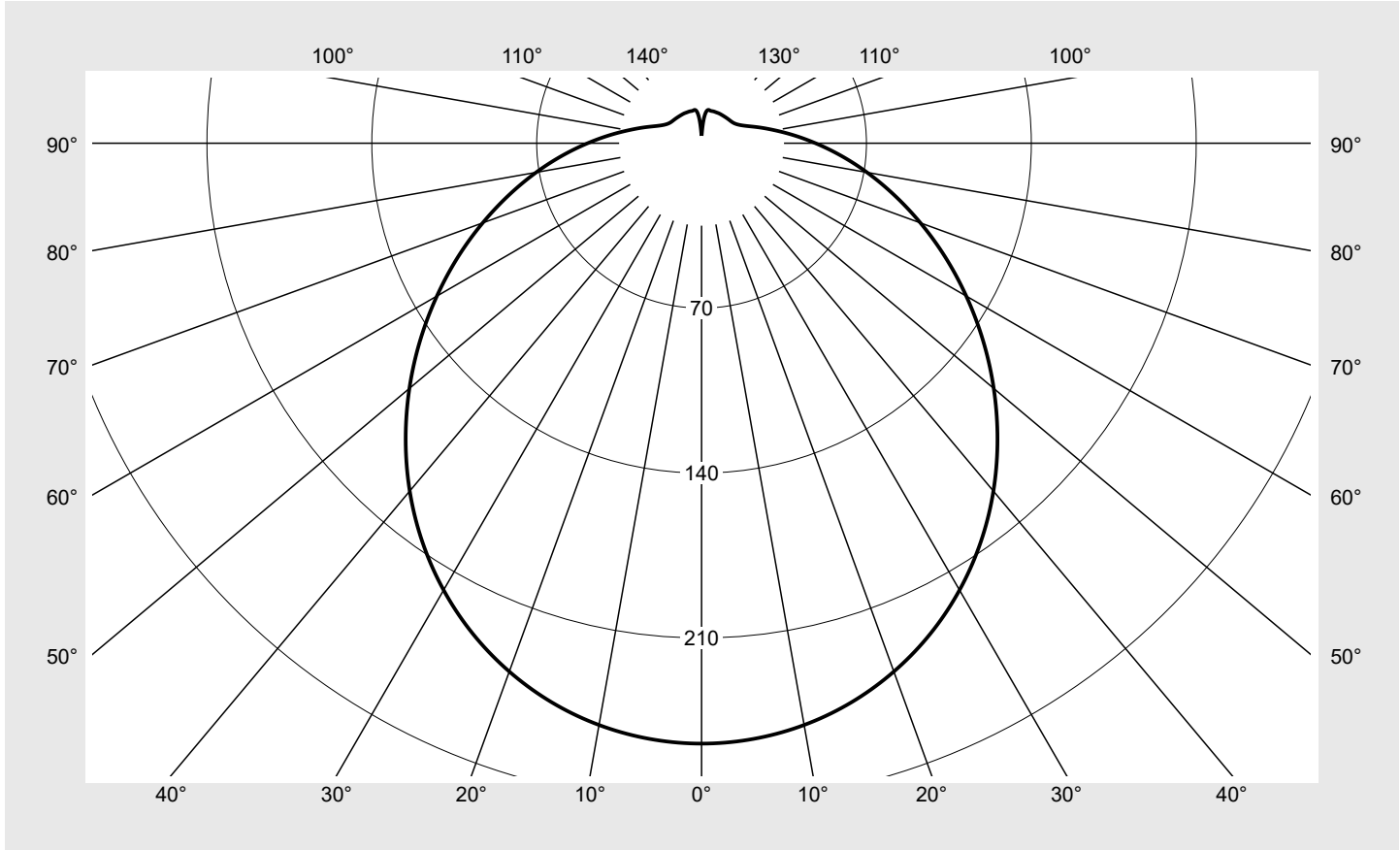


# Photometric test report

<b>Family</b> <b>Rondel 41</b>	<b>Order number: 51WD107BG2A</b> <b>EAN: 4058352520963</b>	<b>LP number</b> <b>59295_6</b>
	<b>Version</b> enclosure of PMMA, opal, adjustable color temperature: 3000 K   4000 K, extremely wide distribution	<b>serial documentation</b> <b>19.08.2022</b>
	<b>Lamps</b> LED 3000 K   CRI ≥ 80	
	<b>Controlgear</b> ECG Multilumen	<b>Rated values</b> Net luminous flux = 2300 lm Power consumption = 21.0 W Luminous efficacy = 109.5 lm/W
	<b>Setting</b> individual position: colour temperature 3000K	



**Luminous intensity in cd/klm** C180-0 **Imax: 255 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=40 N2=69 N3=88 N4=86 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	86.4%
$\phi_o$	13.6%

Measurement conditions
DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	254.9	1.5	1.5
5°	253.8	12.1	13.6
10°	250.8	23.9	37.5
15°	245.7	34.9	72.4
20°	238.7	44.7	117.1
25°	229.8	53.2	170.4
30°	219.0	60.0	230.4
35°	206.7	65.0	295.4
40°	192.8	67.9	363.3
45°	177.7	68.9	432.1
50°	161.9	68.0	500.1
55°	145.8	65.5	565.6
60°	129.8	61.6	627.2
65°	114.1	56.7	683.9
70°	98.9	50.9	734.8
75°	84.5	44.8	779.6
80°	71.3	38.5	818.1
85°	59.2	32.3	850.4
90°	48.4	26.5	876.9
95°	39.2	21.4	898.3
100°	31.6	17.1	915.4
105°	25.7	13.6	929.0
110°	21.2	10.9	939.9
115°	18.2	9.0	948.9
120°	16.5	7.9	956.8
125°	15.7	7.1	963.9
130°	15.4	6.5	970.3
135°	15.1	5.9	976.2
140°	14.9	5.2	981.4
145°	14.7	4.6	986.0
150°	14.7	4.0	990.1
155°	14.5	3.4	993.4
160°	14.4	2.7	996.1
165°	14.3	2.0	998.2
170°	14.2	1.4	999.5
175°	10.0	0.5	1000.0
180°	3.2	0.0	1000.0

## Photometric test report

Family <b>Rondel 41</b>	Order number: <b>51WD107BG2A</b> EAN: <b>4058352520963</b>	LP number <b>59295_6</b>
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	17.1	18.7	17.5	19.1	19.6	17.1	18.7	17.5	19.1	19.6
	3H	19.0	20.4	19.4	20.9	21.4	19.0	20.4	19.4	20.9	21.4
	4H	19.8	21.1	20.3	21.6	22.2	19.8	21.1	20.3	21.6	22.2
	6H	20.6	21.9	21.2	22.4	23.0	20.6	21.9	21.2	22.4	23.0
	8H	21.0	22.2	21.6	22.8	23.4	21.0	22.2	21.6	22.8	23.4
	12H	21.4	22.5	22.0	23.1	23.7	21.4	22.5	22.0	23.1	23.7
4H	2H	17.8	19.2	18.3	19.7	20.2	17.8	19.2	18.3	19.7	20.2
	3H	19.8	21.0	20.4	21.6	22.2	19.8	21.0	20.4	21.6	22.2
	4H	20.9	21.9	21.4	22.5	23.1	20.9	21.9	21.4	22.5	23.1
	6H	21.9	22.8	22.5	23.4	24.1	21.9	22.8	22.5	23.4	24.1
	8H	22.3	23.2	22.9	23.8	24.5	22.3	23.2	22.9	23.8	24.5
	12H	22.8	23.6	23.4	24.2	24.9	22.8	23.6	23.4	24.2	24.9
8H	4H	21.3	22.1	21.9	22.8	23.4	21.3	22.1	21.9	22.8	23.4
	6H	22.5	23.2	23.1	23.8	24.6	22.5	23.2	23.1	23.8	24.6
	8H	23.1	23.8	23.7	24.4	25.1	23.1	23.8	23.7	24.4	25.1
	12H	23.7	24.3	24.4	25.0	25.7	23.7	24.3	24.4	25.0	25.7
12H	4H	21.3	22.1	22.0	22.8	23.5	21.3	22.1	22.0	22.8	23.5
	6H	22.6	23.3	23.3	23.9	24.7	22.6	23.3	23.3	23.9	24.7
	8H	23.3	23.9	24.0	24.5	25.3	23.3	23.9	24.0	24.5	25.3

<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 330	H(C0) = 76 H(C90) = 76	H(C180) = 76 H(C270) = 76
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	5224.8
50°	5020.2
55°	4819.5
60°	4628.1
65°	4456.1
70°	4305.8
75°	4194.2
80°	4147.1
85°	4197.3

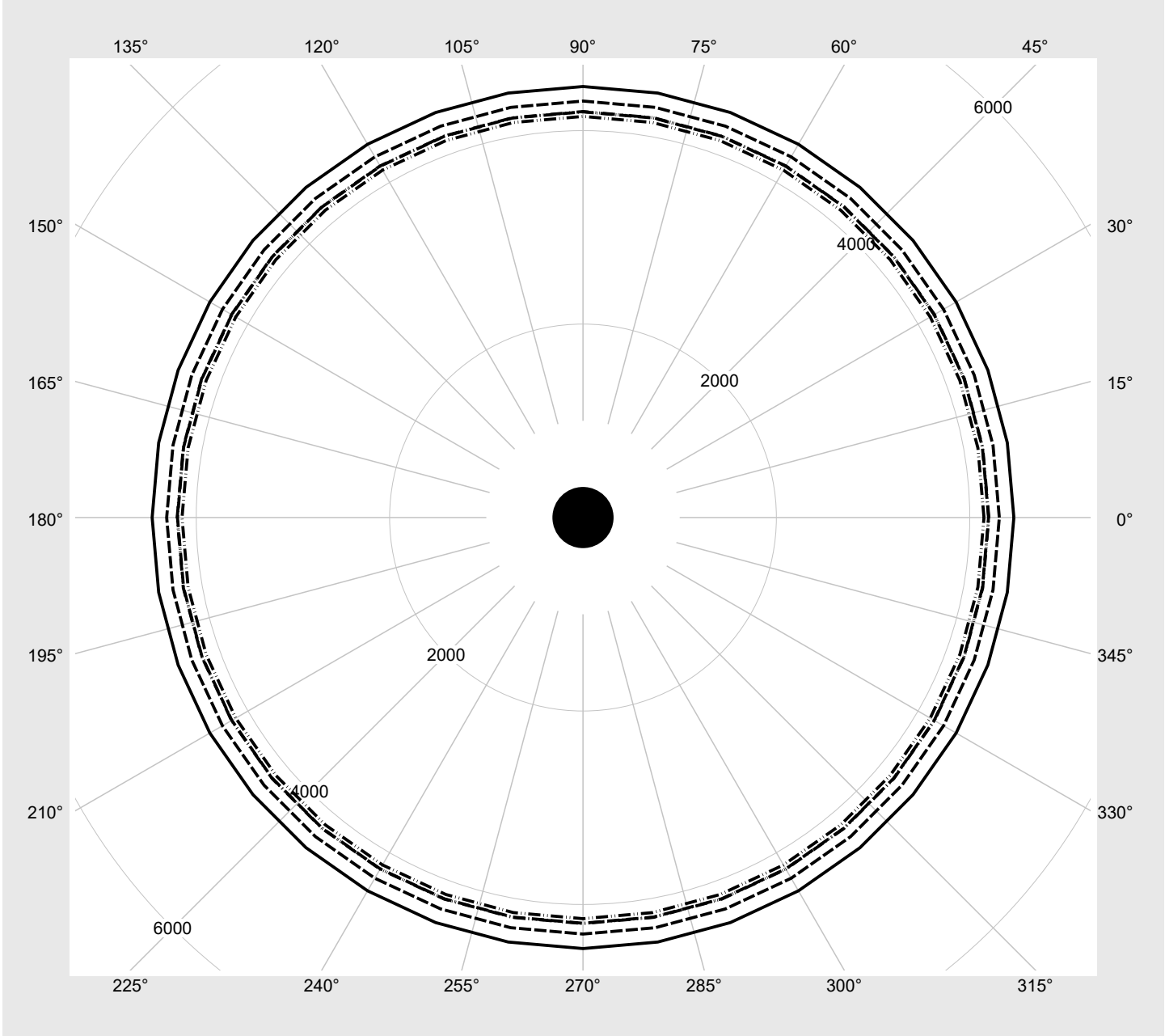
**Photometric test report**

<b>Family</b> <b>Rondel 41</b>	<b>Order number: 51WD107BG2A</b> <b>EAN: 4058352520963</b>	<b>LP number</b> <b>59295_6</b>
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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**Photometric test report**

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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting 1	Luminous flux [lm]	Power consumption [W]
1	HIGH	2300	21.0
0	LOW	1750	16.0