

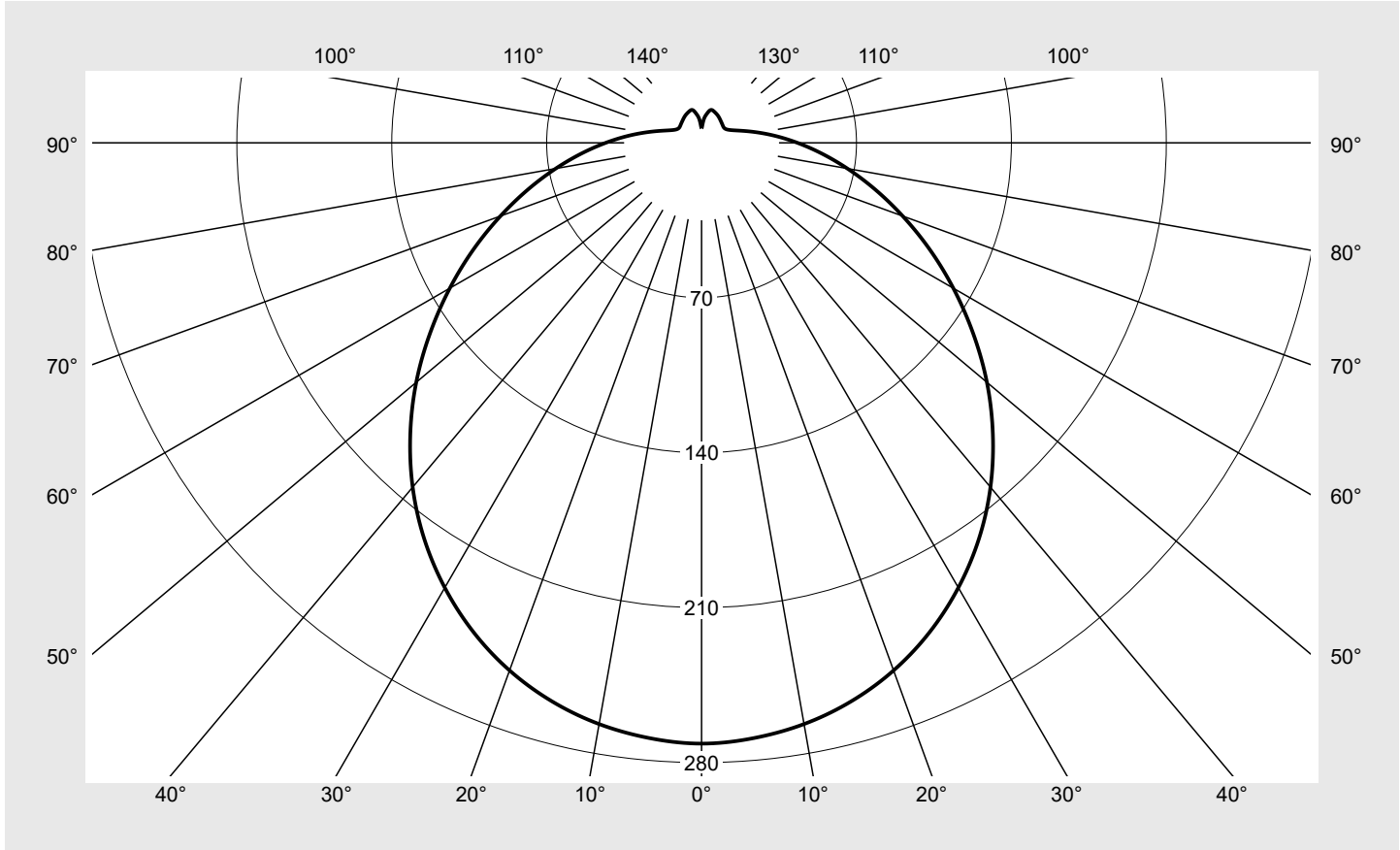


# Photometric test report

<b>Family</b> <b>Round 31</b>	<b>Order number: 5PJA010001A</b> <b>EAN: 4058352954041</b>	<b>LP number</b> <b>59497_2</b>
	<b>Version</b> surface-mounted luminaire, diffuser, cambered, opal, PMMA, with homogeneous illumination, extremely wide distribution	<b>serial documentation</b> 08.11.2023
	<b>Lamps</b> LED 3000 K   CRI ≥ 80	
	<b>Controlgear</b> ECG	
	<b>Rated values</b> Net luminous flux = 1800 lm Power consumption = 15.0 W Luminous efficacy = 120 lm/W	

**Luminous intensity in cd/klm** C180-0 **Imax: 271 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=42 N2=71 N3=89 N4=88 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	88.4%
$\phi_o$	11.6%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	271.4	1.6	1.6
5°	270.0	12.9	14.5
10°	266.7	25.4	39.9
15°	261.2	37.1	77.0
20°	253.7	47.6	124.5
25°	243.9	56.5	181.0
30°	232.1	63.6	244.6
35°	218.5	68.7	313.3
40°	203.1	71.6	384.9
45°	186.2	72.2	457.0
50°	168.3	70.7	527.7
55°	149.7	67.2	594.9
60°	131.4	62.4	657.3
65°	113.6	56.5	713.7
70°	96.7	49.8	763.5
75°	81.1	42.9	806.5
80°	66.9	36.1	842.6
85°	54.3	29.7	872.3
90°	43.3	23.8	896.0
95°	34.1	18.6	914.6
100°	26.4	14.3	928.9
105°	20.6	10.9	939.8
110°	16.4	8.4	948.2
115°	13.8	6.9	955.1
120°	12.5	6.0	961.0
125°	12.2	5.5	966.5
130°	12.4	5.2	971.7
135°	12.8	5.0	976.7
140°	13.3	4.7	981.4
145°	13.9	4.4	985.7
150°	14.4	4.0	989.7
155°	14.9	3.5	993.2
160°	15.4	2.9	996.0
165°	15.3	2.2	998.2
170°	13.2	1.3	999.5
175°	10.3	0.5	1000.0
180°	6.6	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	17.8	19.4	18.3	19.9	20.3	17.8	19.4	18.3	19.9	20.3
	3H	19.7	21.2	20.2	21.6	22.1	19.7	21.2	20.2	21.6	22.1
	4H	20.5	21.9	21.0	22.4	22.9	20.5	21.9	21.0	22.4	22.9
	6H	21.4	22.7	21.9	23.2	23.7	21.4	22.7	21.9	23.2	23.7
	8H	21.8	23.0	22.4	23.5	24.1	21.8	23.0	22.4	23.5	24.1
	12H	22.2	23.4	22.8	23.9	24.5	22.2	23.4	22.8	23.9	24.5
4H	2H	18.6	19.9	19.1	20.4	21.0	18.6	19.9	19.1	20.4	21.0
	3H	20.6	21.8	21.1	22.3	22.9	20.6	21.8	21.1	22.3	22.9
	4H	21.6	22.7	22.2	23.3	23.9	21.6	22.7	22.2	23.3	23.9
	6H	22.7	23.6	23.2	24.2	24.8	22.7	23.6	23.2	24.2	24.8
	8H	23.2	24.0	23.8	24.6	25.3	23.2	24.0	23.8	24.6	25.3
	12H	23.7	24.5	24.3	25.1	25.7	23.7	24.5	24.3	25.1	25.7
8H	4H	22.1	22.9	22.7	23.5	24.2	22.1	22.9	22.7	23.5	24.2
	6H	23.3	24.0	23.9	24.7	25.3	23.3	24.0	23.9	24.7	25.3
	8H	23.9	24.6	24.6	25.2	25.9	23.9	24.6	24.6	25.2	25.9
	12H	24.6	25.2	25.3	25.8	26.6	24.6	25.2	25.3	25.8	26.6
12H	4H	22.2	22.9	22.8	23.5	24.2	22.2	22.9	22.8	23.5	24.2
	6H	23.5	24.1	24.1	24.7	25.5	23.5	24.1	24.1	24.7	25.5
	8H	24.2	24.7	24.8	25.4	26.1	24.2	24.7	24.8	25.4	26.1

<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 290	H(C0) = 35 H(C90) = 35	H(C180) = 35 H(C270) = 35
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C-planes	$0^\circ$
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	6218.5
50°	6031.4
55°	5833.0
60°	5654.8
65°	5511.1
70°	5417.5
75°	5427.2
80°	5610.8
85°	6160.4

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Luminance values in cd/m<sup>2</sup>

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

