

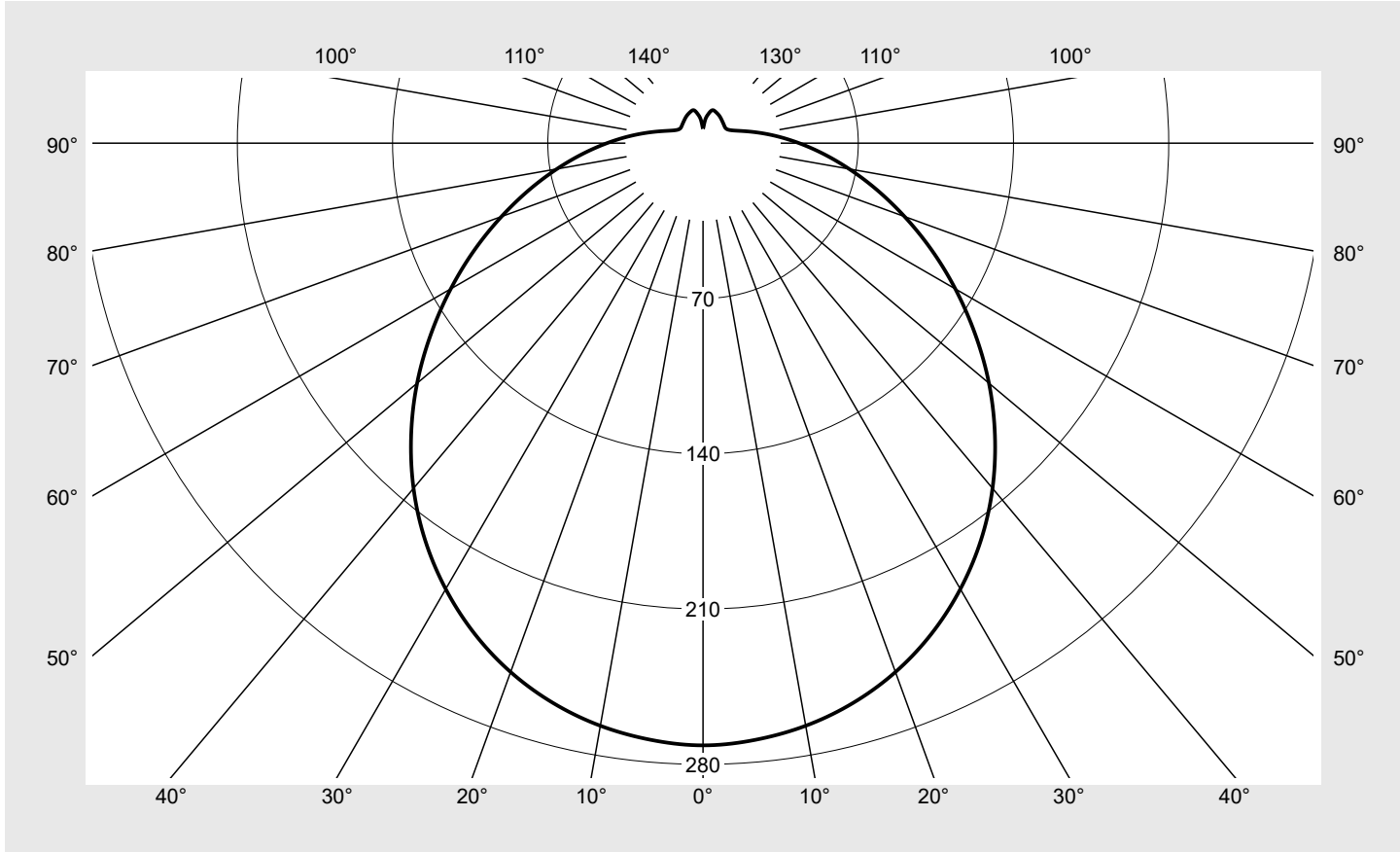


Photometric test report

Family Round 31	Order number: 5PJA210001A EAN: 4058352955161	LP number 59497_6
	Version surface-mounted luminaire, diffuser, cambered, opal, PMMA, with homogeneous illumination, extremely wide distribution	serial documentation 08.11.2023
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Rated values Net luminous flux = 4700 lm Power consumption = 39.0 W Luminous efficacy = 120.5 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	
η_{LB}	100.0%
ϕ_u	88.4%
ϕ_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
γ	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	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	17.8	19.5	18.3	19.9	20.4	17.8	19.5	18.3	19.9	20.4
	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	20.0	19.1	20.4	21.0	18.6	20.0	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	23.7	24.6	25.3	23.2	24.0	23.7	24.6	25.3
	12H	23.7	24.4	24.3	25.0	25.7	23.7	24.4	24.3	25.0	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	24.6	25.3	23.3	24.0	23.9	24.6	25.3
	8H	23.9	24.6	24.5	25.2	25.9	23.9	24.6	24.5	25.2	25.9
	12H	24.6	25.1	25.2	25.8	26.5	24.6	25.1	25.2	25.8	26.5
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	25.4	23.5	24.1	24.1	24.7	25.4
	8H	24.2	24.7	24.8	25.4	26.1	24.2	24.7	24.8	25.4	26.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 464	H(C0) = 60 H(C90) = 60	H(C180) = 60 H(C270) = 60
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C-planes	0°
γ	Luminance in cd/m ²
45°	6282.9
50°	6084.6
55°	5873.9
60°	5682.3
65°	5523.4
70°	5411.0
75°	5395.1
80°	5538.6
85°	6009.9

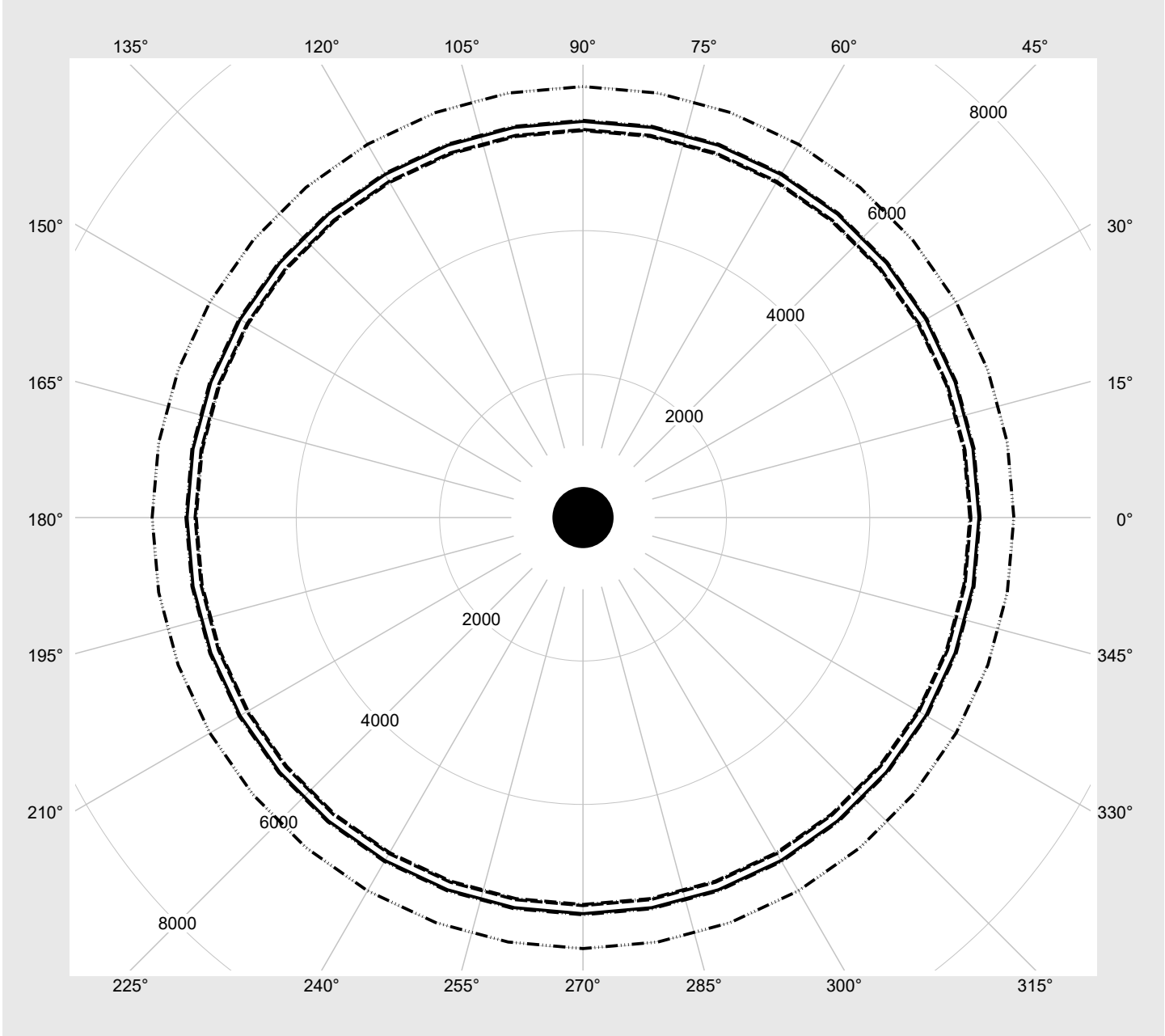
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Luminance values in cd/m²

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		
7	ON	ON	ON	4700	39.0
6	OFF	ON	ON	4500	37.0
5	ON	OFF	ON	4200	35.0
4	OFF	OFF	ON	4000	33.0
3	ON	ON	OFF	3800	31.0
2	OFF	ON	OFF	3500	29.0
1	ON	OFF	OFF	3300	27.0
0	OFF	OFF	OFF	3000	25.0