
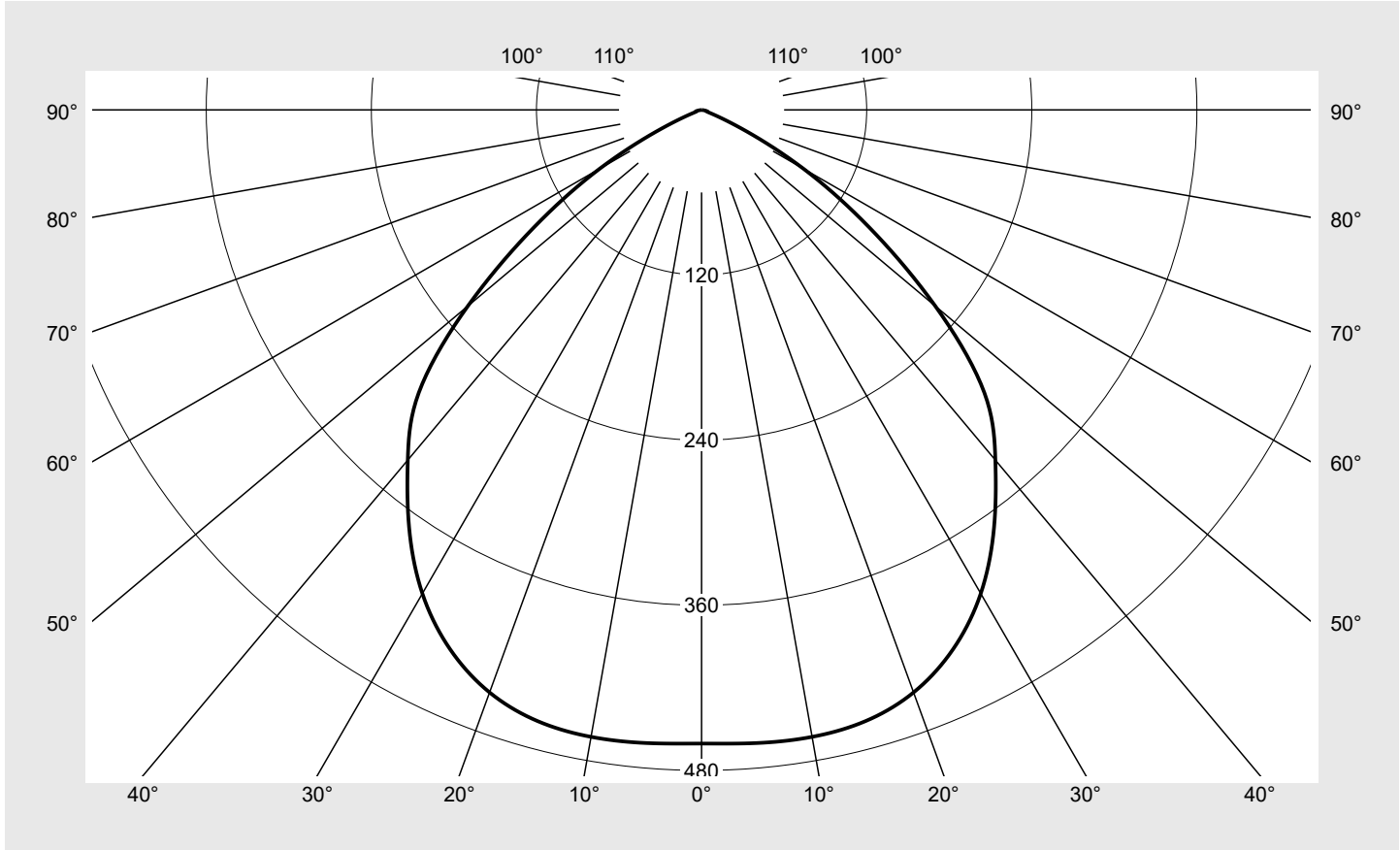


Photometric test report

Family Highbay 41	Order number: 51HP32MB7MMA + 59HP91003 EAN: 4058352475669 + 4058352475843	LP number 59151_7
	Version cover panel, PC, clear, ALUSOFT reflector, extremely wide distribution	serial documentation 15.04.2021
	Lamps LED 5700 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 26250 lm Power consumption = 175.0 W Luminous efficacy = 150 lm/W	
		

Luminous intensity in cd/klm C180-0 **Imax: 463 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=64 N2=96 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

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°	460.5	2.8	2.8
5°	461.9	22.1	24.8
10°	462.6	44.0	68.9
15°	459.9	65.2	134.1
20°	450.5	84.5	218.6
25°	432.5	100.2	318.7
30°	405.8	111.2	430.0
35°	370.6	116.5	546.5
40°	332.2	117.0	663.5
45°	290.7	112.7	776.2
50°	221.7	93.1	869.3
55°	148.6	66.7	936.0
60°	85.6	40.6	976.6
65°	31.8	15.8	992.4
70°	6.4	3.3	995.7
75°	4.3	2.3	998.0
80°	2.5	1.4	999.3
85°	1.2	0.7	1000.0
90°	0.0	0.0	1000.0
95°	0.0	0.0	1000.0
100°	0.0	0.0	1000.0
105°	0.0	0.0	1000.0
110°	0.0	0.0	1000.0
115°	0.0	0.0	1000.0
120°	0.0	0.0	1000.0
125°	0.0	0.0	1000.0
130°	0.0	0.0	1000.0
135°	0.0	0.0	1000.0
140°	0.0	0.0	1000.0
145°	0.0	0.0	1000.0
150°	0.0	0.0	1000.0
155°	0.0	0.0	1000.0
160°	0.0	0.0	1000.0
165°	0.0	0.0	1000.0
170°	0.0	0.0	1000.0
175°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

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UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	25.4	26.9	25.8	27.2	27.5	25.4	26.9	25.8	27.2	27.5
	3H	25.4	26.7	25.8	27.0	27.4	25.4	26.7	25.8	27.0	27.4
	4H	25.3	26.5	25.7	26.9	27.3	25.3	26.5	25.7	26.9	27.3
	6H	25.3	26.4	25.7	26.8	27.1	25.3	26.4	25.7	26.8	27.1
	8H	25.3	26.3	25.7	26.7	27.1	25.3	26.3	25.7	26.7	27.1
	12H	25.3	26.2	25.7	26.6	27.0	25.3	26.2	25.7	26.6	27.0
4H	2H	25.5	26.7	25.9	27.1	27.5	25.5	26.7	25.9	27.1	27.5
	3H	25.5	26.5	25.9	26.9	27.3	25.5	26.5	25.9	26.9	27.3
	4H	25.4	26.3	25.9	26.7	27.1	25.4	26.3	25.9	26.7	27.1
	6H	25.4	26.1	25.8	26.5	27.0	25.4	26.1	25.8	26.5	27.0
	8H	25.3	26.0	25.8	26.5	26.9	25.3	26.0	25.8	26.5	26.9
	12H	25.3	25.9	25.8	26.4	26.9	25.3	25.9	25.8	26.4	26.9
8H	4H	25.3	26.0	25.8	26.5	26.9	25.3	26.0	25.8	26.5	26.9
	6H	25.3	25.8	25.7	26.3	26.8	25.3	25.8	25.7	26.3	26.8
	8H	25.2	25.7	25.7	26.2	26.7	25.2	25.7	25.7	26.2	26.7
	12H	25.2	25.6	25.7	26.1	26.6	25.2	25.6	25.7	26.1	26.6
12H	4H	25.3	25.9	25.8	26.4	26.9	25.3	25.9	25.8	26.4	26.9
	6H	25.2	25.7	25.7	26.2	26.7	25.2	25.7	25.7	26.2	26.7
	8H	25.2	25.6	25.7	26.1	26.6	25.2	25.6	25.7	26.1	26.6

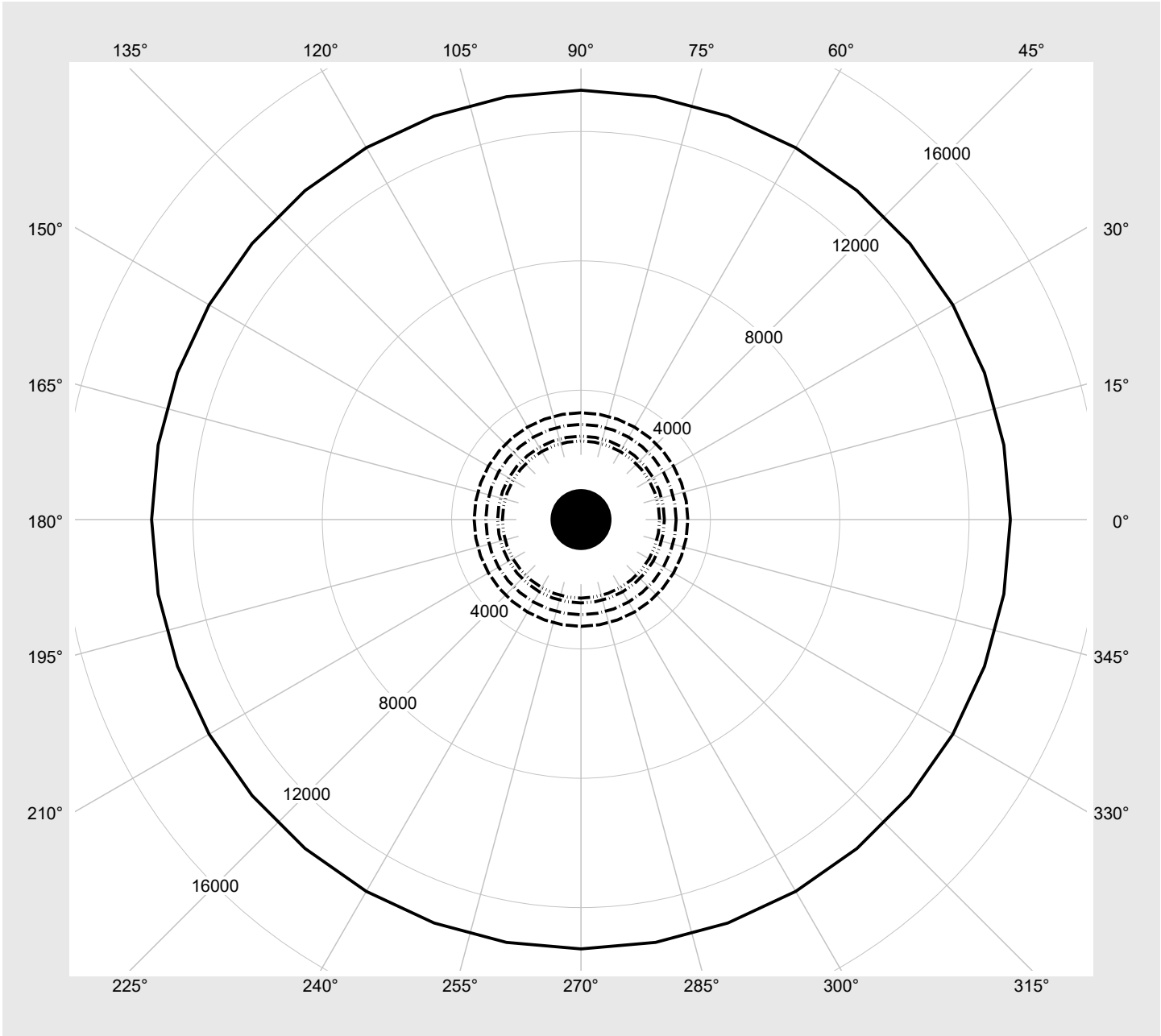
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 435
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C-planes	0°
γ	Luminance in cd/m^2
45°	72606.4
50°	60926.5
55°	45755.9
60°	30223.3
65°	13277.9
70°	3303.6
75°	2943.4
80°	2578.5
85°	2429.9

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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		
0	OFF	OFF	OFF	26250	175.0
1	ON	OFF	OFF	18750	120.0
2	OFF	ON	OFF	14060	90.0
4	OFF	OFF	ON	9380	60.0