
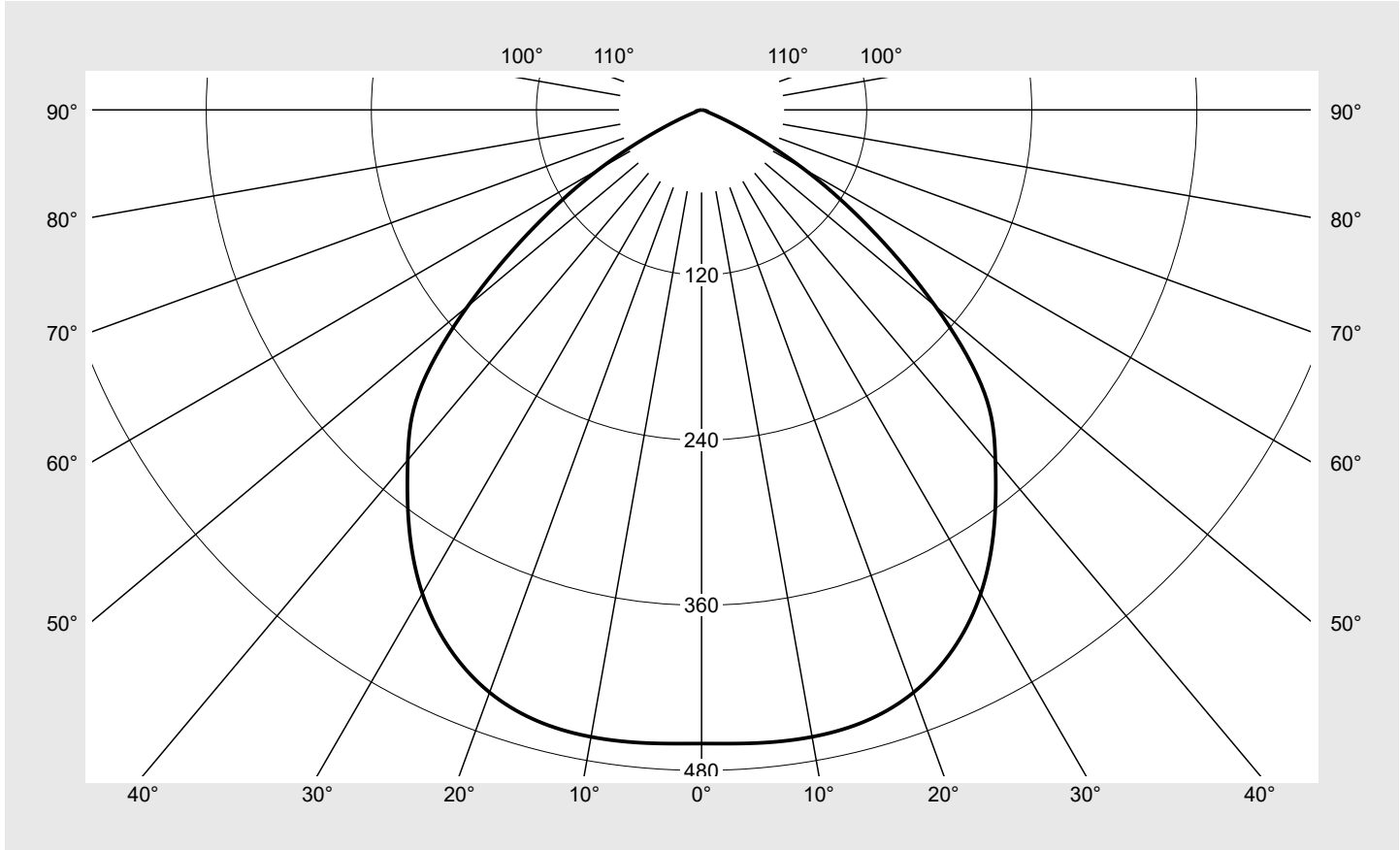


# Photometric test report

<b>Family</b> <b>Highbay 41</b>	<b>Order number: 51HP32MB4MMA + 59HP91003</b> <b>EAN: 4058352475652 + 4058352475843</b>	<b>LP number</b> <b>59151_4</b>
	<b>Version</b> cover panel, PC, clear, ALUSOFT reflector, extremely wide distribution	<b>serial documentation</b> <b>15.04.2021</b>
	<b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> 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	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**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°	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

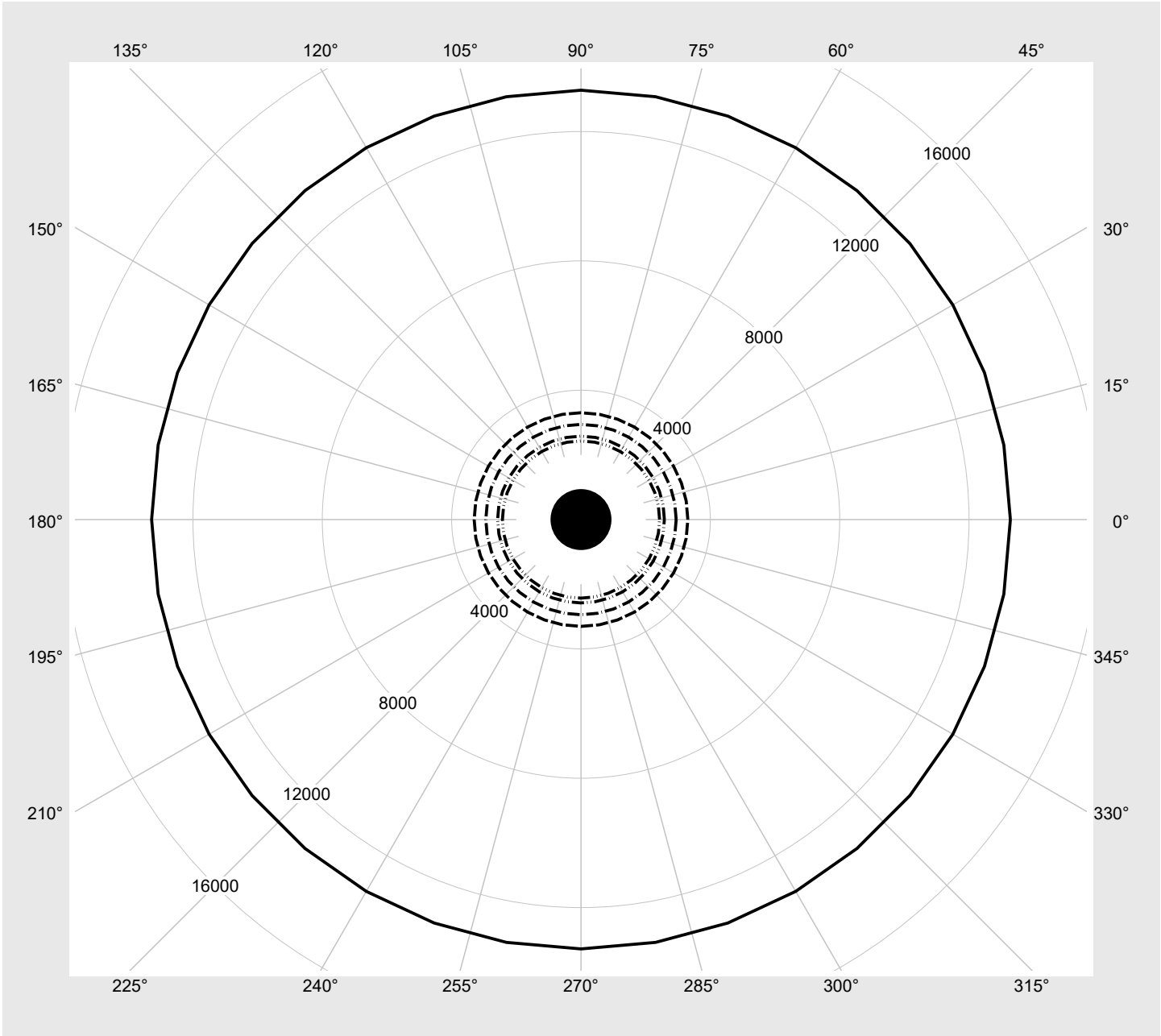
<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 435
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C-planes	$0^\circ$
$\gamma$	Luminance in $\text{cd/m}^2$
45°	72606.4
50°	60926.5
55°	45755.9
60°	30223.3
65°	13277.9
70°	3303.6
75°	2943.4
80°	2578.5
85°	2429.9

**Photometric test report**

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**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



### Photometric test report

Family <b>Highbay 41</b>	Order number: <b>51HP32MB4MMA + 59HP91003</b> EAN: <b>4058352475652 + 4058352475843</b>	LP number <b>59151_4</b>
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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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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