

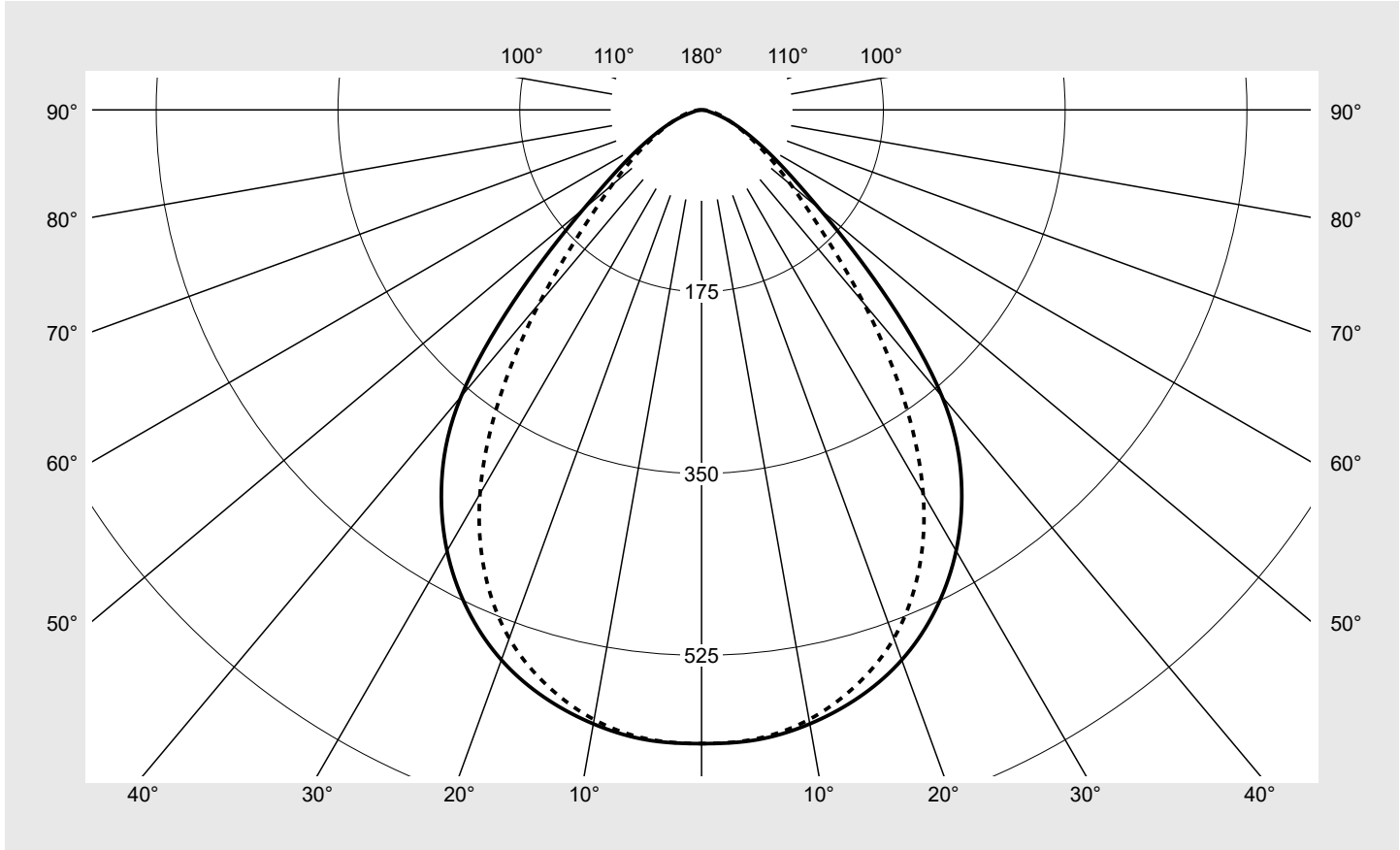


Photometric test report

| | | |
|--|---|--|
| Family Licross® 11 Recessed | Order number: 51TL1WDV465M EAN: 4069025692993 | LP number 59521_72 |
|  | Version cover frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 6760 lm Power consumption = 34.7 W Luminous efficacy = 194.8 lm/W | serial documentation 06.02.2026 |
| |  | |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 610 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 5 0 |
| CIE | N1=73 N2=94 N3=99 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 |
|---|-----------------------------------|

| C-planes γ | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-zone | Total Phi-zone |
|------------------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|-------------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| Luminous intensity in cd/klm | | | | | | | | Luminous flux in lm/klm | |
| 0° | 610.0 | 610.0 | 610.0 | 610.0 | 610.0 | 610.0 | 610.0 | 3.6 | 3.6 |
| 5° | 608.6 | 607.6 | 603.5 | 605.7 | 607.8 | 607.2 | 607.6 | 29.0 | 32.6 |
| 10° | 600.1 | 600.0 | 594.9 | 595.9 | 596.5 | 595.2 | 595.9 | 56.8 | 89.4 |
| 15° | 585.3 | 585.9 | 578.8 | 577.8 | 576.6 | 573.9 | 573.7 | 82.1 | 171.5 |
| 20° | 563.4 | 563.9 | 554.9 | 550.2 | 546.3 | 542.2 | 541.3 | 103.4 | 275.0 |
| 25° | 531.8 | 531.9 | 519.6 | 510.4 | 502.3 | 495.0 | 493.0 | 118.6 | 393.5 |
| 30° | 490.1 | 489.9 | 473.2 | 457.8 | 443.0 | 430.6 | 426.6 | 125.7 | 519.3 |
| 35° | 436.1 | 434.9 | 413.9 | 389.9 | 365.2 | 345.5 | 339.2 | 122.5 | 641.7 |
| 40° | 360.2 | 357.4 | 334.2 | 303.1 | 273.1 | 250.6 | 243.1 | 106.9 | 748.6 |
| 45° | 245.6 | 242.6 | 226.1 | 203.9 | 182.4 | 166.8 | 161.9 | 79.2 | 827.8 |
| 50° | 148.2 | 149.1 | 145.2 | 133.7 | 122.4 | 114.2 | 112.6 | 55.6 | 883.4 |
| 55° | 94.6 | 95.2 | 94.9 | 92.6 | 85.9 | 79.9 | 79.2 | 40.1 | 923.5 |
| 60° | 61.8 | 62.8 | 63.1 | 63.8 | 60.6 | 55.1 | 54.9 | 28.8 | 952.3 |
| 65° | 39.8 | 41.1 | 42.4 | 42.8 | 42.4 | 38.1 | 37.8 | 20.3 | 972.6 |
| 70° | 23.6 | 24.8 | 26.8 | 28.2 | 28.2 | 26.4 | 25.7 | 13.6 | 986.2 |
| 75° | 10.5 | 11.2 | 13.0 | 16.6 | 16.9 | 18.1 | 17.0 | 7.9 | 994.2 |
| 80° | 5.4 | 5.5 | 5.6 | 6.4 | 8.9 | 11.0 | 9.8 | 4.1 | 998.2 |
| 85° | 2.7 | 2.8 | 2.9 | 2.9 | 2.8 | 4.7 | 4.7 | 1.8 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

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|------------------|----------------------|---------------|
| UGR-Table | Standard room | siteco |
|------------------|----------------------|---------------|

| | | | | | | | | | | | |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| 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 | 19.7 | 21.1 | 20.0 | 21.4 | 21.7 | 18.4 | 19.8 | 18.7 | 20.1 | 20.4 |
| | 3H | 19.9 | 21.2 | 20.3 | 21.5 | 21.9 | 18.8 | 20.1 | 19.2 | 20.4 | 20.7 |
| | 4H | 19.9 | 21.1 | 20.3 | 21.5 | 21.8 | 19.0 | 20.1 | 19.4 | 20.5 | 20.9 |
| | 6H | 19.9 | 21.0 | 20.3 | 21.4 | 21.7 | 19.1 | 20.2 | 19.5 | 20.5 | 20.9 |
| | 8H | 20.0 | 20.9 | 20.4 | 21.3 | 21.7 | 19.2 | 20.2 | 19.6 | 20.5 | 20.9 |
| | 12H | 20.0 | 20.8 | 20.4 | 21.2 | 21.7 | 19.2 | 20.1 | 19.6 | 20.5 | 20.9 |
| 4H | 2H | 19.8 | 21.0 | 20.2 | 21.3 | 21.7 | 18.7 | 19.8 | 19.1 | 20.2 | 20.6 |
| | 3H | 20.1 | 21.1 | 20.6 | 21.5 | 21.9 | 19.2 | 20.2 | 19.6 | 20.6 | 21.0 |
| | 4H | 20.2 | 21.0 | 20.6 | 21.5 | 21.9 | 19.5 | 20.3 | 19.9 | 20.7 | 21.2 |
| | 6H | 20.2 | 20.9 | 20.6 | 21.4 | 21.8 | 19.7 | 20.4 | 20.1 | 20.8 | 21.3 |
| | 8H | 20.2 | 20.8 | 20.7 | 21.3 | 21.8 | 19.8 | 20.4 | 20.2 | 20.9 | 21.3 |
| | 12H | 20.2 | 20.8 | 20.7 | 21.2 | 21.7 | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 |
| 8H | 4H | 20.2 | 20.9 | 20.7 | 21.3 | 21.8 | 19.5 | 20.2 | 20.0 | 20.6 | 21.1 |
| | 6H | 20.2 | 20.7 | 20.7 | 21.2 | 21.7 | 19.8 | 20.3 | 20.3 | 20.8 | 21.3 |
| | 8H | 20.2 | 20.7 | 20.7 | 21.2 | 21.7 | 19.9 | 20.4 | 20.4 | 20.8 | 21.4 |
| | 12H | 20.2 | 20.6 | 20.7 | 21.1 | 21.7 | 20.0 | 20.4 | 20.5 | 20.9 | 21.4 |
| 12H | 4H | 20.2 | 20.8 | 20.7 | 21.2 | 21.7 | 19.5 | 20.1 | 20.0 | 20.5 | 21.0 |
| | 6H | 20.2 | 20.7 | 20.7 | 21.1 | 21.7 | 19.8 | 20.2 | 20.3 | 20.7 | 21.2 |
| | 8H | 20.2 | 20.6 | 20.7 | 21.1 | 21.6 | 19.9 | 20.3 | 20.4 | 20.8 | 21.3 |

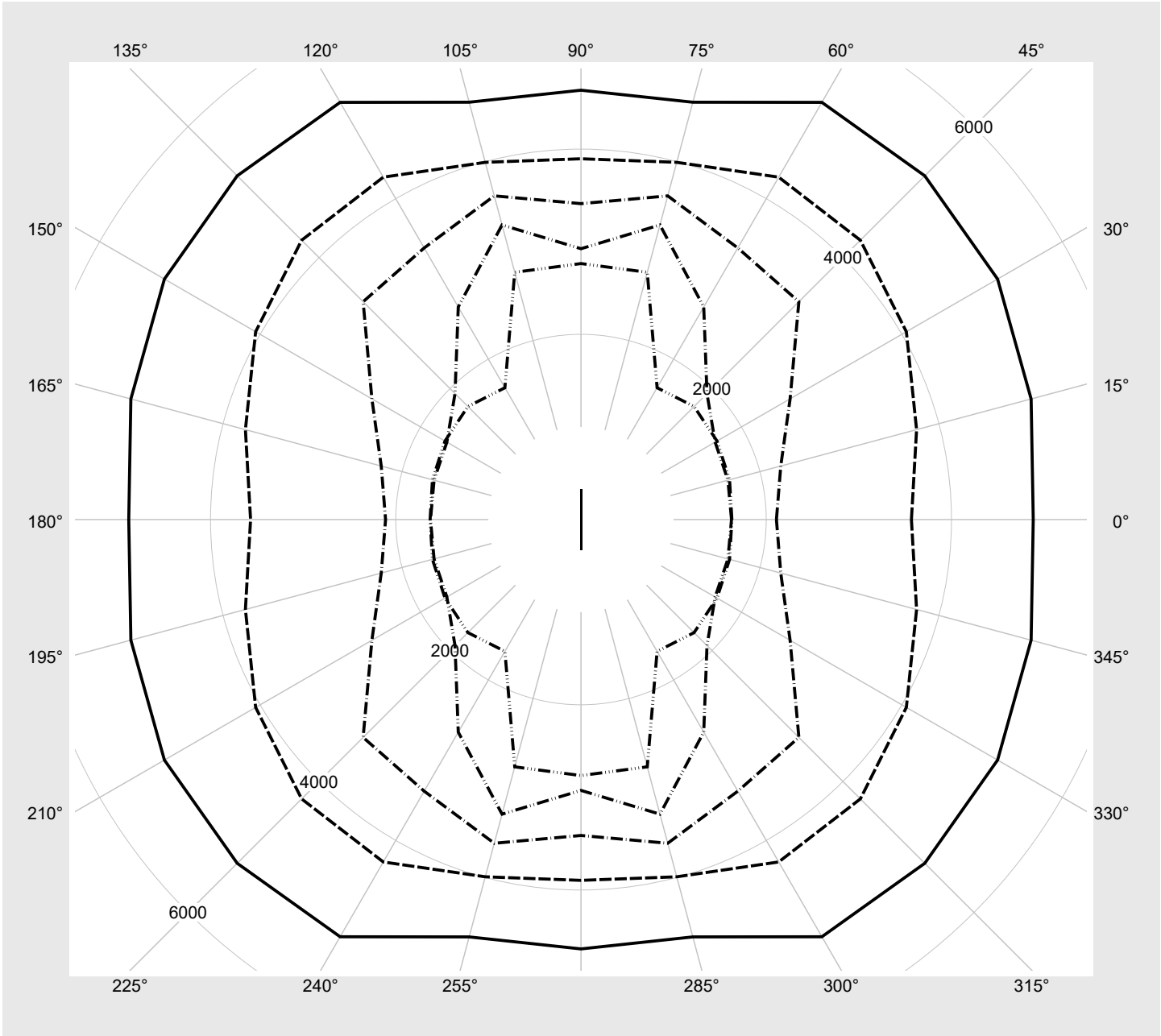
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|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 2250 B = 58 |
|------------------------|---|--------------------------------------|----------------------------------|

| C-planes | γ | Luminance in cd/m ² | | | | | | | |
|----------|----------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | |
| 45° | | 17994.4 | 17775.6 | 16561.4 | 14939.6 | 13360.7 | 12222.0 | 11859.0 | |
| 50° | | 11939.3 | 12016.7 | 11699.6 | 10774.4 | 9863.1 | 9199.9 | 9073.4 | |
| 55° | | 8540.3 | 8596.8 | 8573.0 | 8360.4 | 7755.3 | 7214.2 | 7152.3 | |
| 60° | | 6399.1 | 6501.5 | 6541.6 | 6612.6 | 6274.0 | 5711.4 | 5689.2 | |
| 65° | | 4883.0 | 5031.7 | 5193.8 | 5249.1 | 5201.8 | 4665.4 | 4636.1 | |
| 70° | | 3567.7 | 3751.2 | 4056.4 | 4265.7 | 4269.2 | 3993.4 | 3895.9 | |
| 75° | | 2110.1 | 2233.0 | 2607.1 | 3326.8 | 3386.4 | 3618.6 | 3411.2 | |
| 80° | | 1624.9 | 1642.5 | 1672.3 | 1923.8 | 2650.5 | 3293.3 | 2924.6 | |
| 85° | | 1629.1 | 1660.6 | 1695.7 | 1726.6 | 1643.4 | 2764.3 | 2764.3 | |

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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|-----------------------------|---------------------------------|---------------|
| Dimming levels table | environmental temperature: 25°C | sITeco |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|
| 100 | 254 | 254 | 6760 | 34.7 |
| 95 | 241 | 252 | 6422 | 33.0 |
| 90 | 228 | 250 | 6081 | 31.3 |
| 85 | 215 | 248 | 5739 | 29.5 |
| 80 | 202 | 246 | 5398 | 27.9 |
| 75 | 190 | 243 | 5079 | 26.3 |
| 70 | 177 | 241 | 4737 | 24.5 |
| 65 | 164 | 238 | 4390 | 22.7 |
| 60 | 151 | 235 | 4046 | 21.1 |
| 55 | 139 | 232 | 3729 | 19.6 |
| 50 | 126 | 228 | 3379 | 18.0 |
| 45 | 113 | 224 | 3033 | 16.5 |
| 40 | 101 | 220 | 2709 | 15.2 |
| 35 | 88 | 215 | 2361 | 13.8 |
| 30 | 76 | 210 | 2037 | 12.4 |
| 25 | 63 | 203 | 1685 | 10.6 |
| 20 | 51 | 195 | 1362 | 8.6 |
| 15 | 38 | 184 | 1007 | 6.0 |
| 10 | 26 | 171 | 682 | 3.5 |
| 8 | 22 | 164 | 574 | 2.7 |