

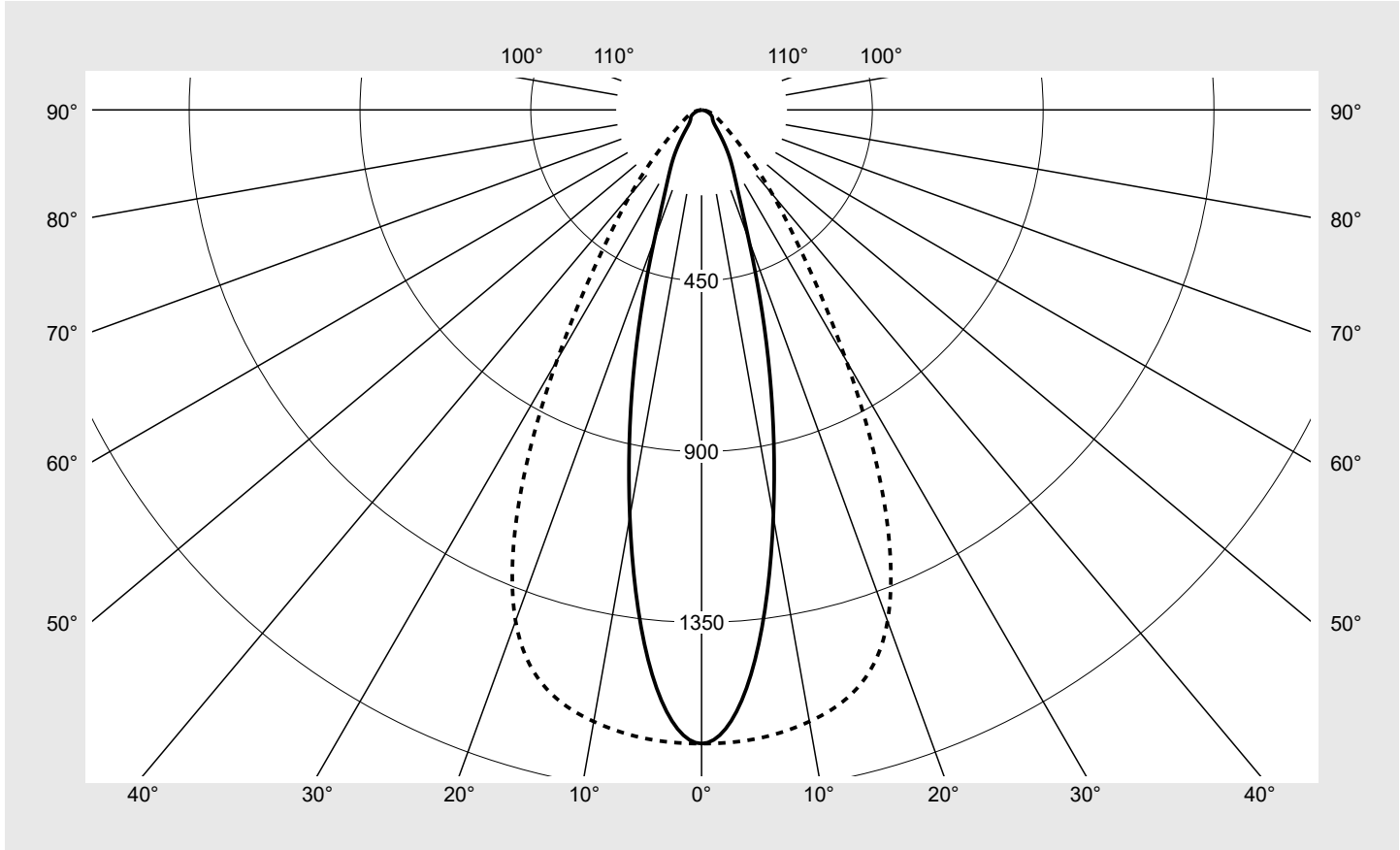


Photometric test report

| | | |
|--|---|---|
| Family Licross® 11 Recessed | Order number: 51UL1EDV4M5R EAN: 4058352606735 | LP number 59263_20 |
|  | Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI | serial documentation 22.02.2022 |
| | Rated values Net luminous flux = 25560 lm Power consumption = 150.1 W Luminous efficacy = 170.3 lm/W |  |

Luminous intensity in cd/klm C180-0 C270-90 Imax: 1670 cd/klm



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 7 0 |
| CIE | N1=85 N2=95 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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|---|--|-------------------------------------|
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| Table of values for luminous intensities | | Maximum luminous intensity |
| | | siteco |

| 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° | 1669.5 | 1669.5 | 1669.5 | 1669.5 | 1669.5 | 1669.5 | 1669.5 | 10.0 | 10.0 |
| 5° | 1493.3 | 1495.6 | 1516.6 | 1565.9 | 1616.3 | 1649.8 | 1662.9 | 75.0 | 85.0 |
| 10° | 1088.5 | 1106.7 | 1175.0 | 1303.4 | 1460.6 | 1586.1 | 1636.2 | 126.8 | 211.8 |
| 15° | 678.3 | 712.7 | 825.0 | 1006.5 | 1239.9 | 1474.8 | 1578.7 | 151.0 | 362.9 |
| 20° | 362.1 | 388.9 | 492.0 | 707.6 | 980.6 | 1275.8 | 1432.9 | 148.2 | 511.0 |
| 25° | 217.8 | 231.1 | 285.8 | 436.7 | 705.9 | 972.9 | 1137.5 | 127.8 | 638.8 |
| 30° | 151.3 | 158.5 | 185.3 | 264.1 | 455.8 | 646.3 | 761.7 | 99.0 | 737.8 |
| 35° | 95.4 | 107.0 | 131.3 | 171.8 | 268.4 | 391.1 | 463.8 | 70.7 | 808.5 |
| 40° | 57.7 | 64.5 | 93.9 | 120.6 | 157.9 | 239.7 | 291.4 | 50.0 | 858.5 |
| 45° | 43.5 | 45.9 | 58.2 | 86.3 | 99.5 | 145.4 | 176.9 | 35.2 | 893.7 |
| 50° | 37.7 | 39.0 | 42.8 | 61.0 | 68.3 | 89.3 | 109.1 | 26.2 | 919.9 |
| 55° | 34.6 | 35.0 | 36.7 | 43.5 | 50.5 | 59.6 | 73.7 | 20.9 | 940.8 |
| 60° | 30.2 | 31.1 | 32.8 | 34.2 | 38.6 | 42.0 | 53.5 | 17.5 | 958.3 |
| 65° | 23.9 | 25.4 | 29.1 | 28.1 | 30.1 | 30.8 | 41.3 | 14.6 | 972.8 |
| 70° | 17.0 | 18.4 | 22.5 | 23.3 | 23.4 | 22.7 | 30.8 | 11.5 | 984.3 |
| 75° | 10.9 | 12.0 | 16.2 | 17.9 | 17.4 | 15.7 | 20.7 | 8.4 | 992.7 |
| 80° | 6.2 | 6.7 | 9.0 | 10.7 | 11.0 | 9.3 | 11.6 | 5.0 | 997.7 |
| 85° | 3.1 | 3.3 | 4.2 | 5.0 | 4.8 | 3.9 | 4.2 | 2.3 | 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 | 17.0 | 18.2 | 17.4 | 18.5 | 18.9 | 22.0 | 23.2 | 22.4 | 23.5 | 23.9 |
| | 3H | 18.2 | 19.3 | 18.6 | 19.6 | 20.0 | 22.6 | 23.6 | 23.0 | 24.0 | 24.3 |
| | 4H | 18.5 | 19.6 | 18.9 | 19.9 | 20.3 | 22.9 | 23.8 | 23.3 | 24.2 | 24.6 |
| | 6H | 18.8 | 19.7 | 19.2 | 20.1 | 20.5 | 23.1 | 23.9 | 23.5 | 24.3 | 24.7 |
| | 8H | 19.0 | 19.8 | 19.4 | 20.1 | 20.6 | 23.2 | 24.0 | 23.7 | 24.4 | 24.8 |
| | 12H | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 | 23.3 | 23.9 | 23.7 | 24.3 | 24.8 |
| 4H | 2H | 17.8 | 18.8 | 18.2 | 19.1 | 19.5 | 22.0 | 23.0 | 22.4 | 23.4 | 23.8 |
| | 3H | 19.3 | 20.1 | 19.7 | 20.5 | 20.9 | 22.7 | 23.6 | 23.1 | 23.9 | 24.4 |
| | 4H | 19.8 | 20.5 | 20.2 | 20.9 | 21.4 | 23.1 | 23.8 | 23.5 | 24.2 | 24.7 |
| | 6H | 20.0 | 20.7 | 20.5 | 21.1 | 21.6 | 23.4 | 24.0 | 23.8 | 24.4 | 24.9 |
| | 8H | 20.2 | 20.7 | 20.6 | 21.2 | 21.7 | 23.5 | 24.0 | 24.0 | 24.5 | 25.0 |
| | 12H | 20.3 | 20.8 | 20.7 | 21.2 | 21.7 | 23.6 | 24.0 | 24.1 | 24.5 | 25.0 |
| 8H | 4H | 20.2 | 20.8 | 20.7 | 21.2 | 21.7 | 23.2 | 23.8 | 23.7 | 24.2 | 24.7 |
| | 6H | 20.7 | 21.1 | 21.2 | 21.6 | 22.1 | 23.6 | 24.0 | 24.1 | 24.5 | 25.0 |
| | 8H | 20.8 | 21.2 | 21.3 | 21.7 | 22.3 | 23.7 | 24.1 | 24.2 | 24.6 | 25.1 |
| | 12H | 20.9 | 21.3 | 21.5 | 21.8 | 22.4 | 23.8 | 24.1 | 24.3 | 24.6 | 25.2 |
| 12H | 4H | 20.3 | 20.7 | 20.8 | 21.2 | 21.7 | 23.2 | 23.7 | 23.7 | 24.1 | 24.6 |
| | 6H | 20.8 | 21.2 | 21.3 | 21.7 | 22.2 | 23.6 | 24.0 | 24.1 | 24.5 | 25.0 |
| | 8H | 21.0 | 21.3 | 21.5 | 21.8 | 22.4 | 23.7 | 24.1 | 24.3 | 24.6 | 25.1 |

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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° | | 12046.1 | 12707.0 | 16107.6 | 23898.2 | 27570.0 | 40274.5 | 49010.8 |
| 50° | | 11499.3 | 11877.5 | 13040.6 | 18597.8 | 20814.9 | 27219.5 | 33254.5 |
| 55° | | 11802.1 | 11945.1 | 12539.0 | 14845.6 | 17250.3 | 20360.8 | 25173.2 |
| 60° | | 11812.8 | 12201.0 | 12854.4 | 13407.5 | 15117.8 | 16445.0 | 20954.1 |
| 65° | | 11089.4 | 11759.6 | 13494.2 | 13027.1 | 13963.7 | 14264.5 | 19146.9 |
| 70° | | 9722.1 | 10515.8 | 12872.9 | 13355.6 | 13398.0 | 12980.5 | 17654.0 |
| 75° | | 8216.1 | 9087.8 | 12254.9 | 13570.9 | 13178.9 | 11912.0 | 15656.5 |
| 80° | | 6941.2 | 7506.3 | 10158.1 | 12020.3 | 12373.3 | 10476.2 | 13106.5 |
| 85° | | 7022.7 | 7490.1 | 9530.7 | 11297.0 | 10822.8 | 8750.9 | 9377.8 |

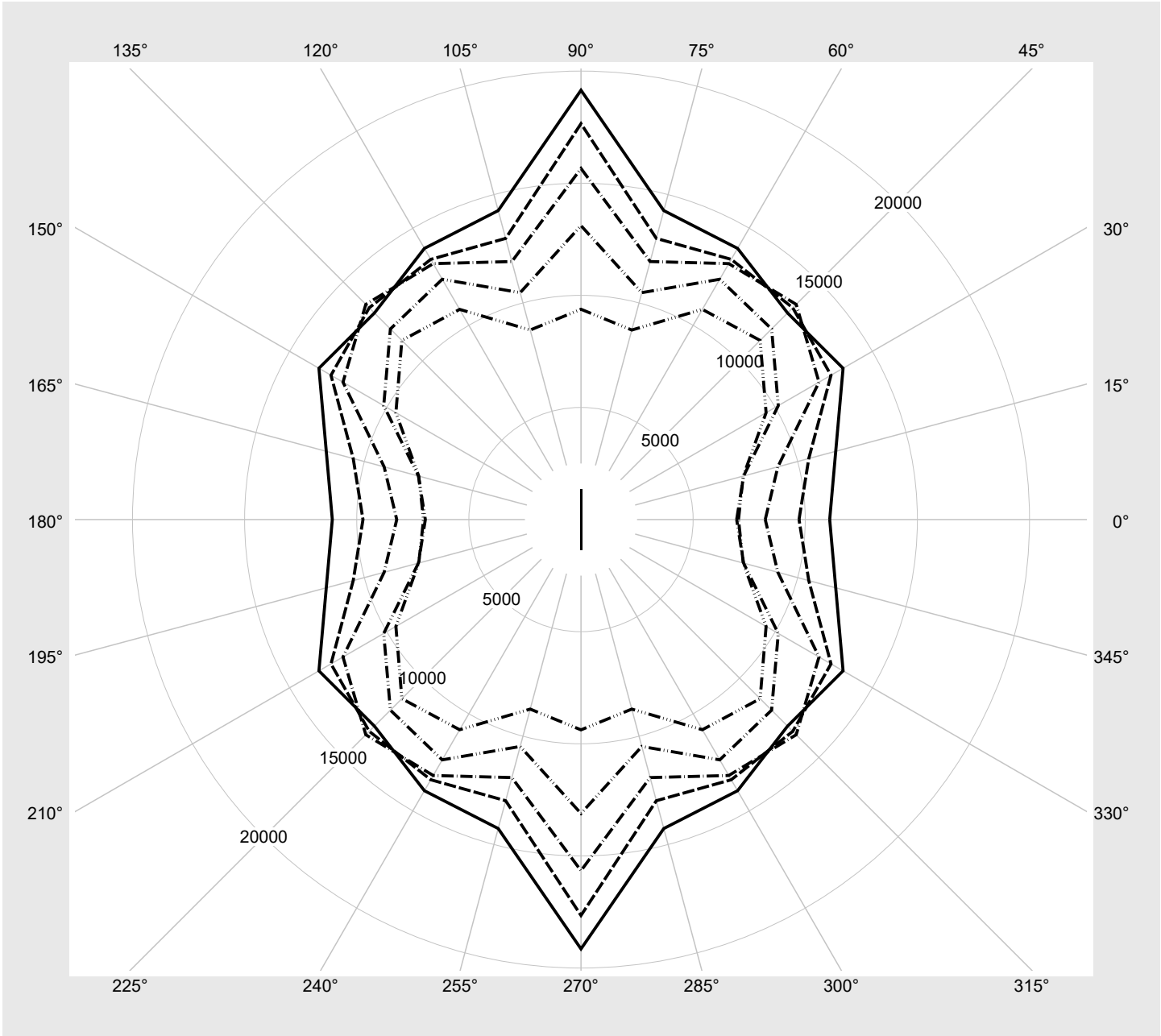
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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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 | 25560 | 150.1 |
| 95 | 240 | 252 | 24267 | 141.6 |
| 90 | 227 | 250 | 23050 | 133.6 |
| 85 | 213 | 248 | 21729 | 125.0 |
| 80 | 200 | 245 | 20483 | 117.1 |
| 75 | 186 | 243 | 19129 | 108.7 |
| 70 | 173 | 240 | 17855 | 100.9 |
| 65 | 160 | 237 | 16571 | 93.2 |
| 60 | 148 | 234 | 15374 | 86.2 |
| 55 | 135 | 231 | 14067 | 78.5 |
| 50 | 122 | 227 | 12755 | 71.1 |
| 45 | 110 | 223 | 11528 | 63.9 |
| 40 | 97 | 219 | 10185 | 56.6 |
| 35 | 85 | 214 | 8934 | 49.8 |
| 30 | 73 | 208 | 7673 | 43.0 |
| 25 | 61 | 202 | 6401 | 36.2 |
| 20 | 49 | 194 | 5118 | 29.5 |
| 15 | 37 | 183 | 3830 | 22.8 |
| 10 | 25 | 169 | 2527 | 16.2 |
| 5 | 14 | 148 | 1325 | 10.1 |
| 1 | 4 | 102 | 224 | 4.6 |