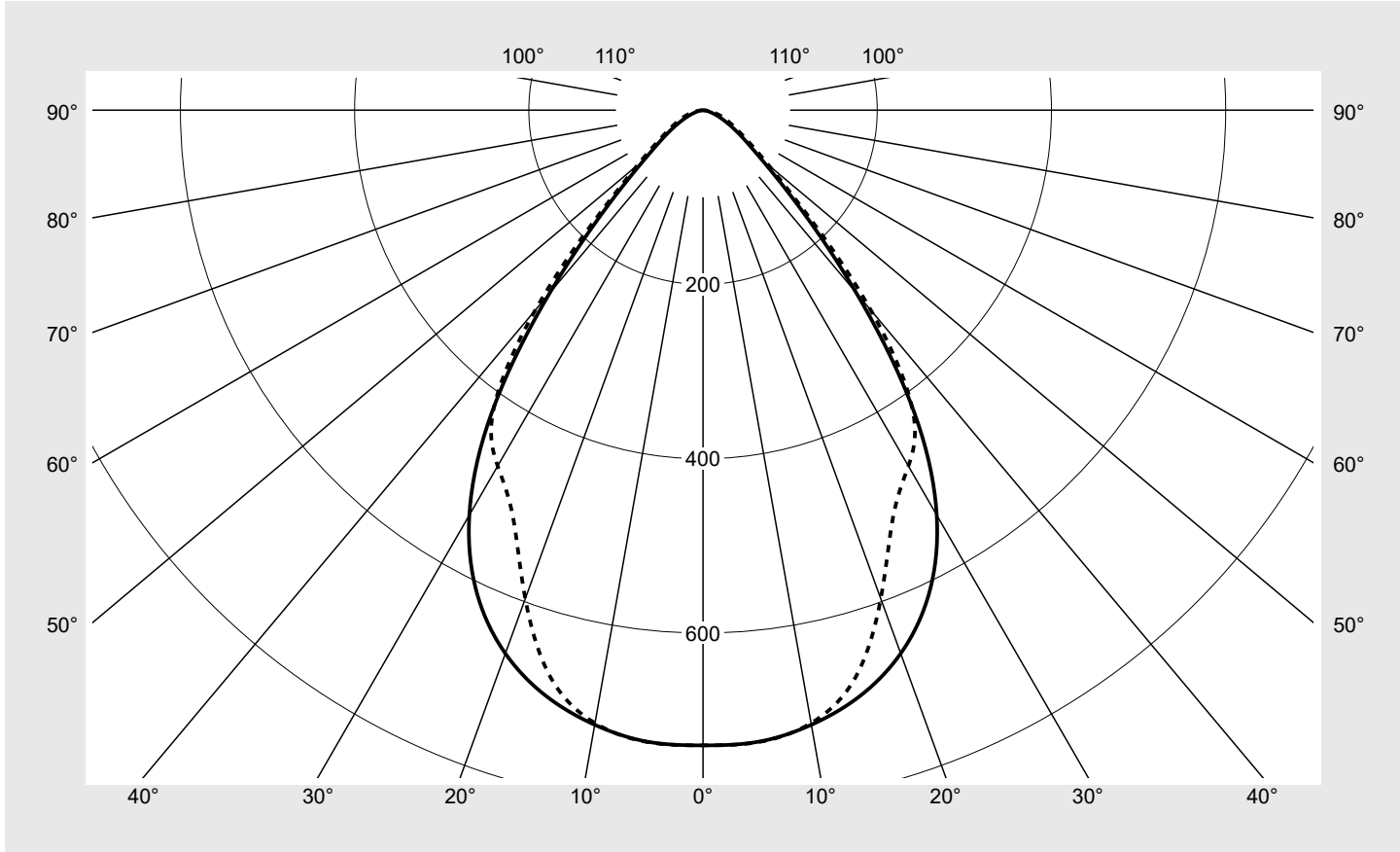


Photometric test report

| | | |
|---|--|---|
| Family Licross® 21 Recessed | Order number: 52TL18DND75F EAN: 4058352454312 | LP number 59103_225 |
|  | Version cover frosted, medium distribution, high visual comfort | serial documentation 04.07.2022 |
| | Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI | |
| Rated values | | |
| Net luminous flux = 7730 lm Power consumption = 59.8 W Luminous efficacy = 129.3 lm/W | | |
| | |  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 729 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 6 0 |
| CIE | N1=79 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

Photometric test report

| | | |
|---|--|--------------------------------------|
| Family Licross® 21 Recessed | Order number: 52TL18DND75F EAN: 4058352454312 | LP number 59103_225 |
| 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° | 728.9 | 728.9 | 728.9 | 728.9 | 728.9 | 728.9 | 728.9 | 4.4 | 4.4 |
| 5° | 727.6 | 725.6 | 721.4 | 724.4 | 727.7 | 727.5 | 728.0 | 34.7 | 39.0 |
| 10° | 716.2 | 715.8 | 711.3 | 714.1 | 716.0 | 714.5 | 714.3 | 68.0 | 107.0 |
| 15° | 696.1 | 697.2 | 692.4 | 692.3 | 687.6 | 678.3 | 674.7 | 97.7 | 204.8 |
| 20° | 663.5 | 665.6 | 659.3 | 649.0 | 628.4 | 605.3 | 596.6 | 119.9 | 324.7 |
| 25° | 613.2 | 616.1 | 603.1 | 573.7 | 542.7 | 522.2 | 516.0 | 132.1 | 456.8 |
| 30° | 536.6 | 538.7 | 513.6 | 472.5 | 462.2 | 468.1 | 471.5 | 135.2 | 592.0 |
| 35° | 422.0 | 421.2 | 386.0 | 361.6 | 387.1 | 411.1 | 419.4 | 125.1 | 717.1 |
| 40° | 273.6 | 269.8 | 241.4 | 246.2 | 279.1 | 295.4 | 299.7 | 95.1 | 812.2 |
| 45° | 153.4 | 148.0 | 132.2 | 146.4 | 164.6 | 167.9 | 167.6 | 59.4 | 871.5 |
| 50° | 87.1 | 86.0 | 88.4 | 95.4 | 105.5 | 102.0 | 98.3 | 39.9 | 911.4 |
| 55° | 56.5 | 55.2 | 58.2 | 69.2 | 74.7 | 68.5 | 64.6 | 28.9 | 940.4 |
| 60° | 37.8 | 37.4 | 39.6 | 46.2 | 52.4 | 47.5 | 45.7 | 20.9 | 961.3 |
| 65° | 24.5 | 24.8 | 27.6 | 32.4 | 36.8 | 34.0 | 33.6 | 15.3 | 976.6 |
| 70° | 15.3 | 15.7 | 18.0 | 22.8 | 25.8 | 24.5 | 24.5 | 10.9 | 987.5 |
| 75° | 8.5 | 8.7 | 10.3 | 14.3 | 17.1 | 16.5 | 16.4 | 7.0 | 994.5 |
| 80° | 4.5 | 4.6 | 5.3 | 7.4 | 9.6 | 9.5 | 9.0 | 3.9 | 998.3 |
| 85° | 2.3 | 2.3 | 2.4 | 3.2 | 3.8 | 3.8 | 3.2 | 1.7 | 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 |

Photometric test report

| | | |
|---------------------------------------|--|-------------------------------|
| Family Licross® 21 Recessed | Order number: 52TL18DND75F EAN: 4058352454312 | LP number 59103_225 |
|---------------------------------------|--|-------------------------------|

| | | |
|------------------|----------------------|---------------|
| 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 | 19.3 | 20.7 | 19.7 | 21.0 | 21.3 | 20.0 | 21.3 | 20.3 | 21.7 | 22.0 |
| | 3H | 19.5 | 20.7 | 19.9 | 21.0 | 21.4 | 20.4 | 21.6 | 20.7 | 21.9 | 22.3 |
| | 4H | 19.5 | 20.6 | 19.9 | 21.0 | 21.3 | 20.5 | 21.6 | 20.9 | 22.0 | 22.4 |
| | 6H | 19.5 | 20.5 | 19.9 | 20.9 | 21.3 | 20.7 | 21.7 | 21.1 | 22.0 | 22.4 |
| | 8H | 19.6 | 20.5 | 20.0 | 20.8 | 21.2 | 20.8 | 21.6 | 21.2 | 22.0 | 22.4 |
| 12H | 19.6 | 20.4 | 20.0 | 20.8 | 21.2 | 20.8 | 21.6 | 21.2 | 22.0 | 22.4 | |
| 4H | 2H | 19.5 | 20.6 | 19.9 | 21.0 | 21.3 | 20.1 | 21.2 | 20.5 | 21.5 | 21.9 |
| | 3H | 19.7 | 20.6 | 20.2 | 21.0 | 21.5 | 20.6 | 21.5 | 21.0 | 21.9 | 22.3 |
| | 4H | 19.8 | 20.6 | 20.2 | 21.0 | 21.4 | 20.9 | 21.7 | 21.3 | 22.1 | 22.5 |
| | 6H | 19.8 | 20.5 | 20.3 | 20.9 | 21.4 | 21.1 | 21.8 | 21.5 | 22.2 | 22.7 |
| | 8H | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 | 21.1 | 21.7 | 21.6 | 22.2 | 22.7 |
| 12H | 19.8 | 20.4 | 20.3 | 20.8 | 21.3 | 21.2 | 21.7 | 21.7 | 22.2 | 22.7 | |
| 8H | 4H | 19.9 | 20.5 | 20.3 | 20.9 | 21.4 | 20.9 | 21.5 | 21.4 | 22.0 | 22.4 |
| | 6H | 19.9 | 20.4 | 20.4 | 20.9 | 21.4 | 21.2 | 21.7 | 21.6 | 22.1 | 22.6 |
| | 8H | 19.9 | 20.3 | 20.4 | 20.8 | 21.4 | 21.2 | 21.7 | 21.7 | 22.2 | 22.7 |
| | 12H | 19.9 | 20.3 | 20.4 | 20.8 | 21.3 | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 |
| 12H | 4H | 19.9 | 20.4 | 20.4 | 20.9 | 21.4 | 20.9 | 21.4 | 21.4 | 21.9 | 22.4 |
| | 6H | 19.9 | 20.3 | 20.4 | 20.8 | 21.4 | 21.2 | 21.6 | 21.7 | 22.1 | 22.6 |
| | 8H | 19.9 | 20.3 | 20.5 | 20.8 | 21.3 | 21.3 | 21.6 | 21.8 | 22.1 | 22.7 |

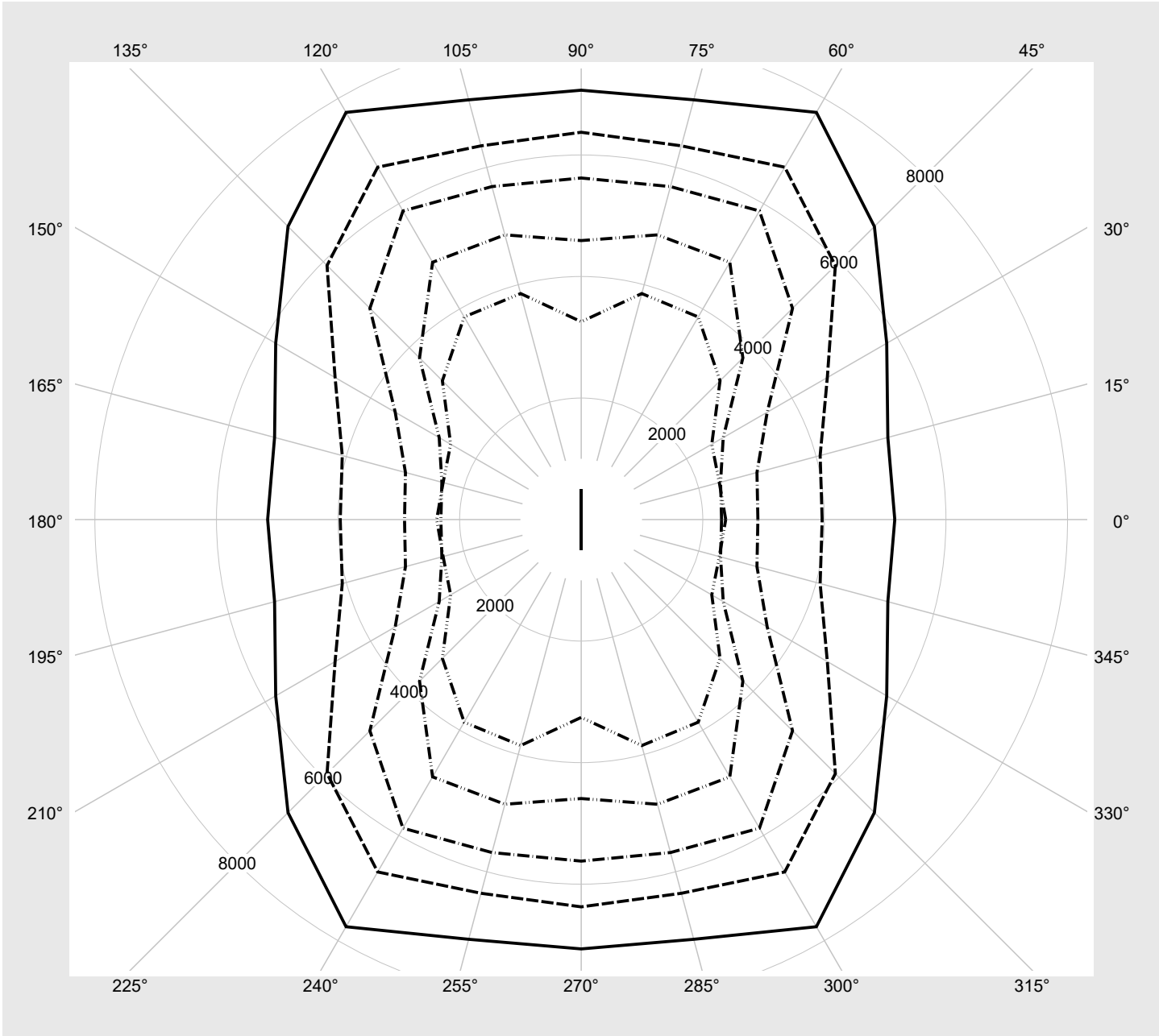
| | | | |
|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 1500 B = 58 |
|------------------------|---|--------------------------------------|----------------------------------|

| 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° | | 19274.8 | 18593.2 | 16609.0 | 18389.4 | 20682.5 | 21096.5 | 21064.7 | |
| 50° | | 12045.2 | 11887.5 | 12220.4 | 13187.4 | 14585.3 | 14094.7 | 13593.8 | |
| 55° | | 8747.9 | 8547.6 | 9010.9 | 10726.6 | 11570.9 | 10616.8 | 10004.2 | |
| 60° | | 6711.1 | 6639.1 | 7030.9 | 8210.9 | 9305.5 | 8440.6 | 8116.3 | |
| 65° | | 5158.2 | 5222.1 | 5803.0 | 6820.8 | 7737.4 | 7151.3 | 7065.9 | |
| 70° | | 3963.7 | 4069.2 | 4675.0 | 5912.9 | 6696.4 | 6367.2 | 6373.7 | |
| 75° | | 2906.3 | 2993.2 | 3532.8 | 4916.3 | 5864.5 | 5673.2 | 5621.1 | |
| 80° | | 2308.7 | 2373.1 | 2697.5 | 3760.8 | 4889.5 | 4850.6 | 4591.2 | |
| 85° | | 2377.3 | 2351.9 | 2480.3 | 3229.6 | 3850.4 | 3850.4 | 3256.1 | |

Photometric test report

| | | |
|--|--|--------------------------------------|
| Family Licross® 21 Recessed | Order number: 52TL18DND75F EAN: 4058352454312 | LP number 59103_225 |
|--|--|--------------------------------------|

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



Photometric test report

| | | |
|---------------------------------------|--|--------------------------------------|
| Family Licross® 21 Recessed | Order number: 52TL18DND75F EAN: 4058352454312 | LP number 59103_225 |
|---------------------------------------|--|--------------------------------------|

| | | |
|-----------------------------|---------------------------------|---------------|
| 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 | 7730 | 59.8 |
| 95 | 240 | 252 | 7356 | 56.5 |
| 90 | 225 | 250 | 6948 | 52.7 |
| 85 | 211 | 247 | 6559 | 49.4 |
| 80 | 198 | 245 | 6192 | 46.3 |
| 75 | 184 | 242 | 5792 | 42.9 |
| 70 | 171 | 240 | 5411 | 39.9 |
| 65 | 158 | 237 | 5029 | 36.7 |
| 60 | 145 | 233 | 4638 | 33.7 |
| 55 | 132 | 230 | 4244 | 30.8 |
| 50 | 120 | 227 | 3875 | 28.0 |
| 45 | 107 | 222 | 3472 | 25.1 |
| 40 | 95 | 218 | 3095 | 22.4 |
| 35 | 83 | 213 | 2713 | 19.8 |
| 30 | 71 | 207 | 2328 | 17.1 |
| 25 | 59 | 201 | 1939 | 14.5 |
| 20 | 47 | 192 | 1548 | 11.8 |
| 15 | 35 | 181 | 1151 | 9.2 |
| 10 | 24 | 168 | 785 | 6.8 |
| 5 | 12 | 142 | 381 | 4.3 |
| 1 | 4 | 102 | 110 | 2.6 |