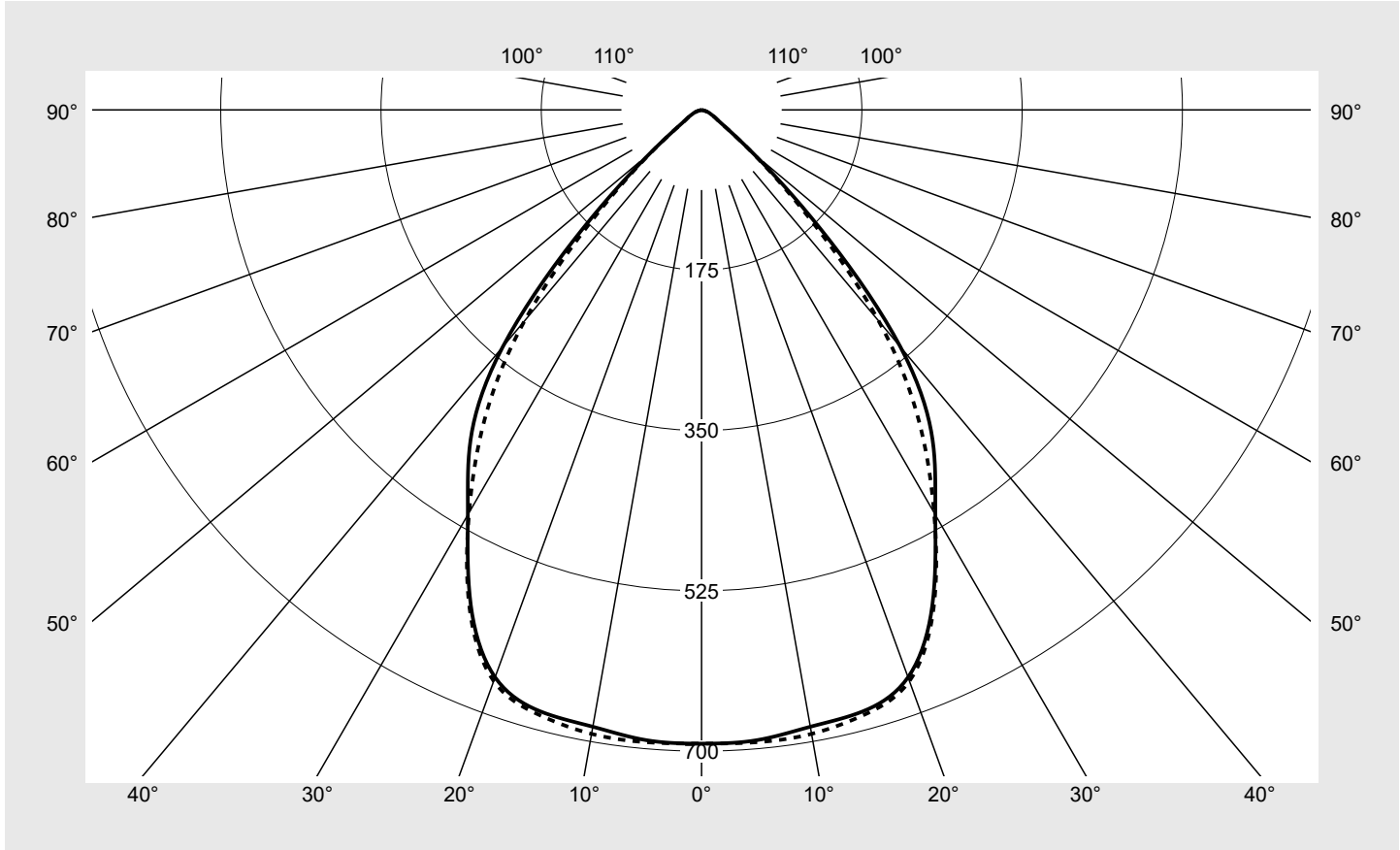


Photometric test report

| | | |
|--|--|---|
| Family Silica® 21 | Order number: 51MX26DA44WB EAN: 4058352896297 | LP number 59267_132 |
|  | Version surface-mounted luminaire, reflector, white, direct distribution, wide distribution, UGR≤19 (L65≤3000cd/m²) | serial documentation 02.08.2023 |
| | Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4320 lm Power consumption = 23.4 W Luminous efficacy = 184.6 lm/W |  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 693 cd/klm**



| Classifications | |
|-----------------|-------------------------------------|
| DIN 5040 | A 6 0 |
| CIE | N1=83 N2=98 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

Photometric test report

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|-----------------------------|--|-------------------------------|
| Family Silica® 21 | Order number: 51MX26DA44WB EAN: 4058352896297 | LP number 59267_132 |
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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° | 691.8 | 691.8 | 691.8 | 691.8 | 691.8 | 691.8 | 691.8 | 4.1 | 4.1 |
| 5° | 690.7 | 689.7 | 686.1 | 690.3 | 692.9 | 690.5 | 692.9 | 33.0 | 37.1 |
| 10° | 683.8 | 683.7 | 680.0 | 686.1 | 689.1 | 688.2 | 691.7 | 65.3 | 102.4 |
| 15° | 679.8 | 682.8 | 679.6 | 683.5 | 685.2 | 682.6 | 683.9 | 96.8 | 199.2 |
| 20° | 659.2 | 666.3 | 668.8 | 670.3 | 667.9 | 663.4 | 663.6 | 124.9 | 324.1 |
| 25° | 596.3 | 606.7 | 617.7 | 624.9 | 617.5 | 607.1 | 599.6 | 141.8 | 465.9 |
| 30° | 510.4 | 519.4 | 522.0 | 521.4 | 520.1 | 511.7 | 507.7 | 141.8 | 607.7 |
| 35° | 439.7 | 447.6 | 431.3 | 414.6 | 422.9 | 421.6 | 413.2 | 134.4 | 742.1 |
| 40° | 337.7 | 347.1 | 337.5 | 327.0 | 327.2 | 315.0 | 300.9 | 115.9 | 857.9 |
| 45° | 183.5 | 191.6 | 192.8 | 192.4 | 185.5 | 172.4 | 164.1 | 71.6 | 929.5 |
| 50° | 72.2 | 76.5 | 81.6 | 85.0 | 79.2 | 72.7 | 70.3 | 32.6 | 962.2 |
| 55° | 28.9 | 31.6 | 36.0 | 41.5 | 36.6 | 30.9 | 28.5 | 15.4 | 977.5 |
| 60° | 17.8 | 18.8 | 20.5 | 22.6 | 20.4 | 18.4 | 17.4 | 9.4 | 986.9 |
| 65° | 11.5 | 12.0 | 12.6 | 12.8 | 12.4 | 11.7 | 11.3 | 6.0 | 992.9 |
| 70° | 7.8 | 8.1 | 7.5 | 7.2 | 7.4 | 7.8 | 7.7 | 3.9 | 996.9 |
| 75° | 3.2 | 3.4 | 3.7 | 3.8 | 3.8 | 3.6 | 3.3 | 1.9 | 998.8 |
| 80° | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 999.6 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.4 | 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

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| Family Silica® 21 | Order number: 51MX26DA44WB EAN: 4058352896297 | LP number 59267_132 |
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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 | 19.2 | 20.5 | 19.5 | 20.8 | 21.1 | 18.8 | 20.1 | 19.2 | 20.4 | 20.8 |
| | 3H | 19.1 | 20.2 | 19.5 | 20.6 | 20.9 | 18.7 | 19.9 | 19.1 | 20.2 | 20.6 |
| | 4H | 19.0 | 20.1 | 19.4 | 20.4 | 20.8 | 18.7 | 19.8 | 19.1 | 20.1 | 20.5 |
| | 6H | 19.0 | 19.9 | 19.4 | 20.3 | 20.7 | 18.6 | 19.6 | 19.1 | 20.0 | 20.4 |
| | 8H | 19.0 | 19.9 | 19.5 | 20.2 | 20.6 | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 |
| | 12H | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 | 18.7 | 19.4 | 19.1 | 19.8 | 20.2 |
| 4H | 2H | 19.0 | 20.1 | 19.4 | 20.4 | 20.8 | 18.7 | 19.7 | 19.1 | 20.1 | 20.5 |
| | 3H | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 | 18.6 | 19.5 | 19.1 | 19.9 | 20.3 |
| | 4H | 18.9 | 19.7 | 19.3 | 20.1 | 20.5 | 18.6 | 19.3 | 19.0 | 19.8 | 20.2 |
| | 6H | 18.8 | 19.5 | 19.3 | 19.9 | 20.4 | 18.5 | 19.2 | 19.0 | 19.6 | 20.1 |
| | 8H | 18.8 | 19.4 | 19.3 | 19.8 | 20.3 | 18.5 | 19.1 | 18.9 | 19.5 | 20.0 |
| | 12H | 18.8 | 19.3 | 19.3 | 19.7 | 20.2 | 18.5 | 19.0 | 19.0 | 19.4 | 19.9 |
| 8H | 4H | 18.8 | 19.4 | 19.3 | 19.8 | 20.3 | 18.5 | 19.1 | 18.9 | 19.5 | 20.0 |
| | 6H | 18.7 | 19.2 | 19.2 | 19.7 | 20.2 | 18.4 | 18.9 | 18.9 | 19.3 | 19.9 |
| | 8H | 18.7 | 19.1 | 19.2 | 19.6 | 20.1 | 18.3 | 18.8 | 18.8 | 19.3 | 19.8 |
| | 12H | 18.6 | 19.0 | 19.2 | 19.5 | 20.0 | 18.3 | 18.7 | 18.8 | 19.2 | 19.7 |
| 12H | 4H | 18.8 | 19.3 | 19.3 | 19.7 | 20.2 | 18.5 | 19.0 | 19.0 | 19.4 | 19.9 |
| | 6H | 18.7 | 19.1 | 19.2 | 19.6 | 20.1 | 18.4 | 18.8 | 18.9 | 19.2 | 19.8 |
| | 8H | 18.6 | 19.0 | 19.2 | 19.5 | 20.0 | 18.3 | 18.7 | 18.8 | 19.2 | 19.7 |

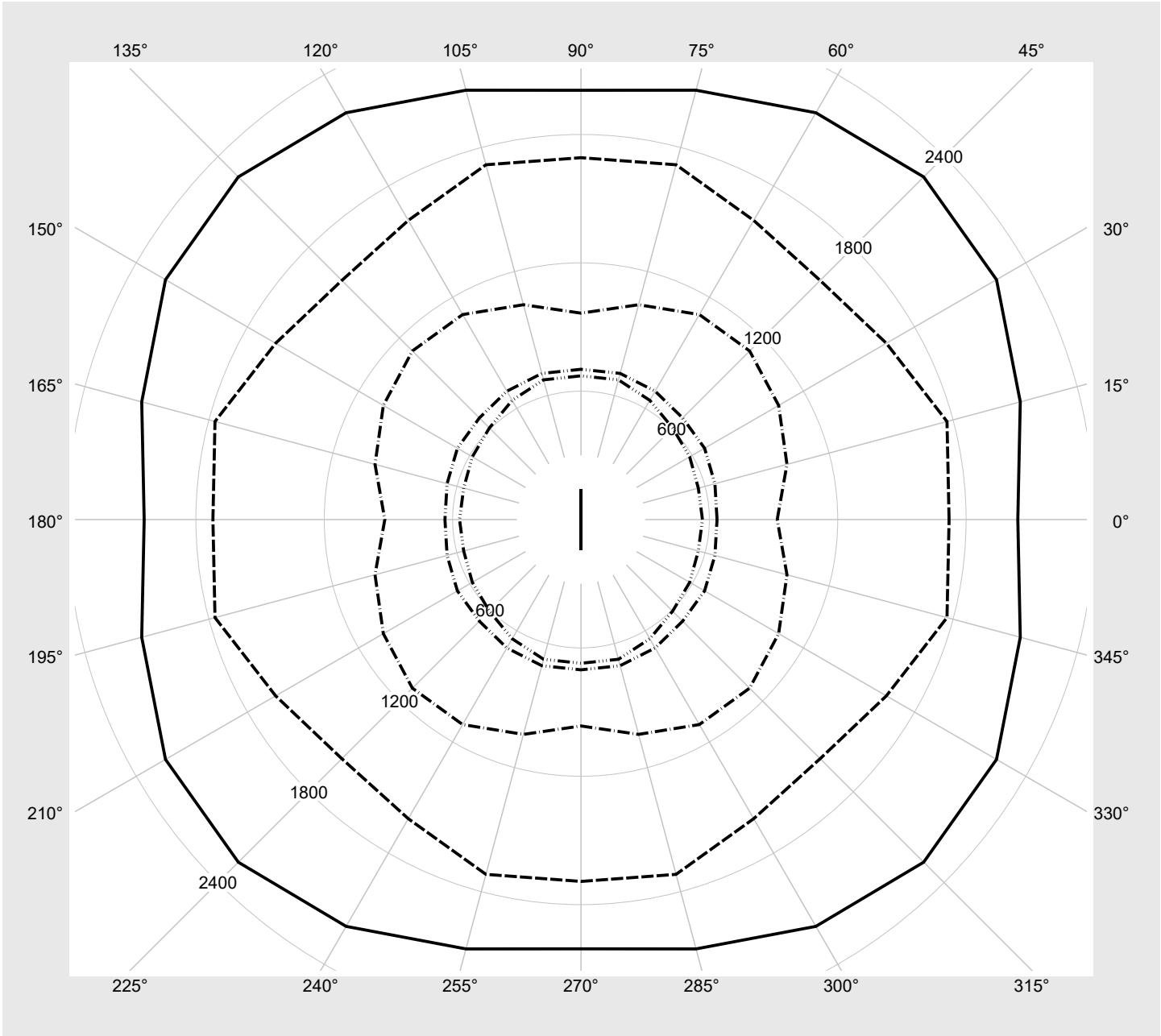
| | | | |
|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 1176 B = 49 |
|------------------------|---|--------------------------------------|----------------------------------|

| 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° | | 19452.8 | 20315.3 | 20437.6 | 20402.6 | 19662.5 | 18275.0 | 17396.7 | |
| 50° | | 8421.2 | 8918.7 | 9514.3 | 9918.7 | 9238.0 | 8480.2 | 8204.5 | |
| 55° | | 3783.2 | 4132.5 | 4709.4 | 5424.9 | 4781.9 | 4042.7 | 3721.5 | |
| 60° | | 2665.3 | 2812.8 | 3074.2 | 3383.2 | 3063.4 | 2762.6 | 2614.2 | |
| 65° | | 2041.8 | 2125.7 | 2242.6 | 2265.1 | 2195.7 | 2077.8 | 2006.6 | |
| 70° | | 1720.5 | 1771.1 | 1648.1 | 1580.8 | 1614.6 | 1716.9 | 1691.5 | |
| 75° | | 917.1 | 996.7 | 1066.8 | 1114.6 | 1106.5 | 1039.6 | 964.8 | |
| 80° | | 635.9 | 648.0 | 667.0 | 671.8 | 692.9 | 707.2 | 702.4 | |
| 85° | | 567.7 | 567.7 | 586.6 | 605.6 | 643.4 | 676.1 | 671.8 | |

Photometric test report

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| Family Silica® 21 | Order number: 51MX26DA44WB EAN: 4058352896297 | LP number 59267_132 |
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

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| Family Silica® 21 | Order number: 51MX26DA44WB EAN: 4058352896297 | LP number 59267_132 |
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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 | 4320 | 23.4 |
| 95 | 241 | 252 | 4111 | 22.2 |
| 90 | 227 | 250 | 3883 | 20.9 |
| 85 | 214 | 248 | 3671 | 19.7 |
| 80 | 201 | 245 | 3457 | 18.5 |
| 75 | 188 | 243 | 3242 | 17.3 |
| 70 | 175 | 240 | 3025 | 16.1 |
| 65 | 162 | 238 | 2808 | 15.0 |
| 60 | 149 | 234 | 2587 | 13.8 |
| 55 | 137 | 231 | 2384 | 12.7 |
| 50 | 124 | 228 | 2162 | 11.5 |
| 45 | 111 | 224 | 1939 | 10.3 |
| 40 | 99 | 219 | 1733 | 9.3 |
| 35 | 86 | 214 | 1508 | 8.2 |
| 30 | 74 | 209 | 1299 | 7.1 |
| 25 | 62 | 202 | 1088 | 6.2 |
| 20 | 49 | 194 | 860 | 5.0 |
| 15 | 37 | 183 | 647 | 4.0 |
| 10 | 25 | 169 | 435 | 3.0 |
| 5 | 13 | 145 | 222 | 1.8 |
| 3 | 9 | 132 | 151 | 1.3 |