

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 11 Recessed**

**Bestell-Nr.: 51TL18VN465G**  
**EAN: 4058352972359**

**LP-Nummer**  
**58691\_213**

**Seriendokumentation**  
**13.11.2025**



**Ausführung** Abdeckung satiniert, medium strahlend, hoher Sehkomfort  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI CLO  
**Bemessungswerte** Nettolichtstrom = 6520 lm  
Systemleistung = 36.0 W  
Lichtausbeute = 181.1 lm/W

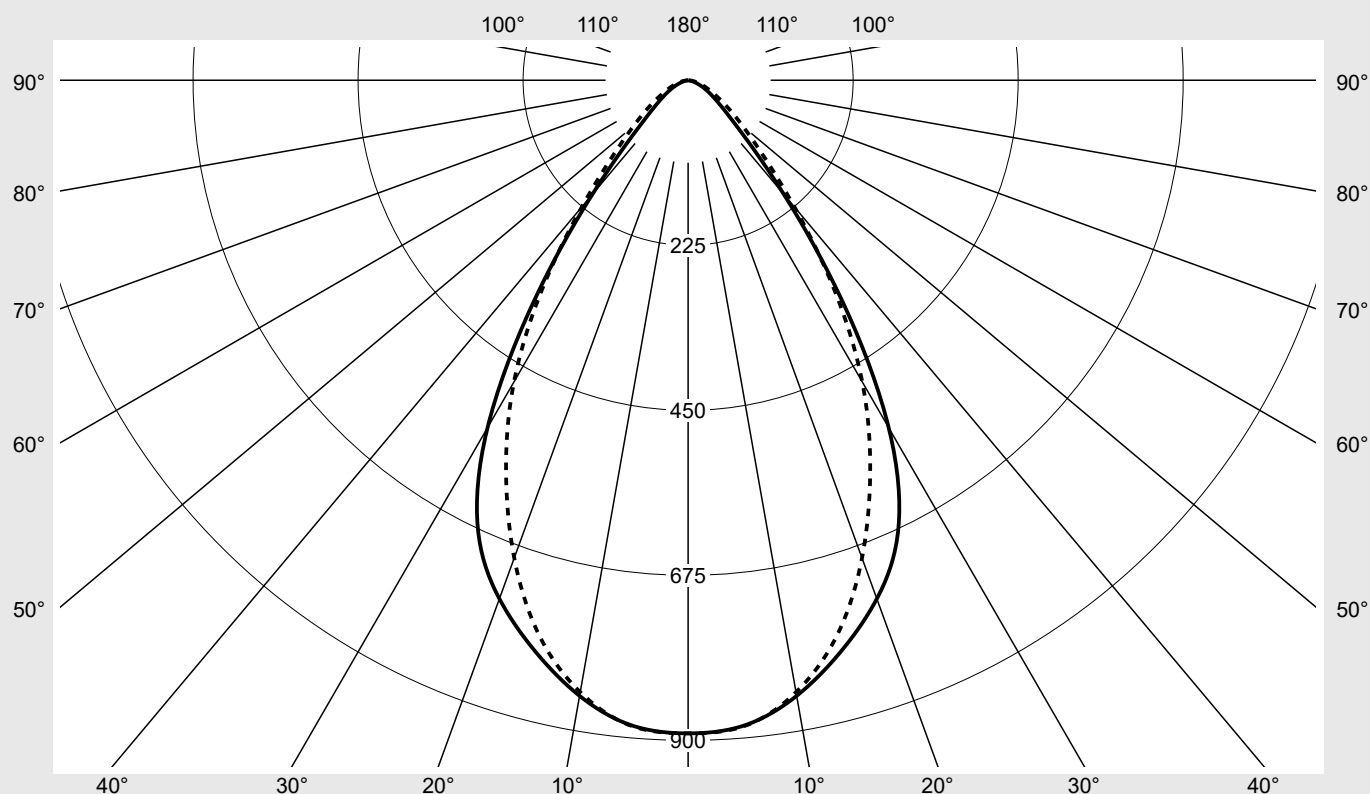
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 890 cd/klm**



### Klassifizierungen

DIN 5040 A 6 0  
CIE N1=83 N2=96 N3=99  
N4=100 N5=100

### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

### Messbedingungen

DIN EN 13032 und DIN 5032

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|                                                                            |                                                                    |                                           |
|----------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------|
| <div>Familie</div> <div>Licross® 11 Recessed</div>                         | <div>Bestell-Nr.: 51TL18VN465G</div> <div>EAN: 4058352972359</div> | <div>LP-Nummer</div> <div>58691_213</div> |
| <div>Wertetabelle Lichtstärkemessung</div> <div>Maximale Lichtstärke</div> |                                                                    | <div>sit</div> <div>eco</div>             |

| C-<br>Ebenen | 0°<br>180°            | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |                             |                             |                             |                             |                             |             | Lichtstrom in lm/klm |                   |
| 0°           | 890.5                 | 890.5                       | 890.5                       | 890.5                       | 890.5                       | 890.5                       | 890.5       | 5.3                  | 5.3               |
| 5°           | 883.0                 | 882.3                       | 875.7                       | 876.1                       | 880.2                       | 881.2                       | 883.8       | 42.0                 | 47.4              |
| 10°          | 852.3                 | 852.7                       | 846.0                       | 846.4                       | 847.1                       | 846.1                       | 847.2       | 80.7                 | 128.1             |
| 15°          | 806.0                 | 807.1                       | 800.6                       | 798.1                       | 793.1                       | 786.0                       | 783.9       | 113.0                | 241.1             |
| 20°          | 752.4                 | 753.8                       | 745.8                       | 735.1                       | 719.0                       | 700.4                       | 693.3       | 136.8                | 377.8             |
| 25°          | 677.7                 | 678.7                       | 666.2                       | 642.3                       | 616.2                       | 594.6                       | 587.5       | 147.9                | 525.7             |
| 30°          | 547.1                 | 547.0                       | 530.5                       | 500.0                       | 481.5                       | 475.9                       | 474.8       | 139.1                | 664.9             |
| 35°          | 364.4                 | 363.5                       | 349.1                       | 327.1                       | 328.9                       | 340.7                       | 345.9       | 108.2                | 773.0             |
| 40°          | 203.2                 | 202.2                       | 193.4                       | 185.6                       | 201.9                       | 218.9                       | 225.4       | 71.4                 | 844.5             |
| 45°          | 108.8                 | 108.0                       | 102.7                       | 103.7                       | 123.9                       | 139.5                       | 144.1       | 45.5                 | 890.0             |
| 50°          | 66.7                  | 66.1                        | 62.8                        | 66.6                        | 83.9                        | 94.8                        | 97.2        | 31.9                 | 921.9             |
| 55°          | 45.6                  | 45.3                        | 45.3                        | 49.0                        | 60.9                        | 67.0                        | 67.8        | 24.3                 | 946.1             |
| 60°          | 31.9                  | 31.8                        | 34.1                        | 38.0                        | 45.2                        | 47.1                        | 47.1        | 18.6                 | 964.8             |
| 65°          | 21.6                  | 21.7                        | 24.8                        | 28.3                        | 33.6                        | 33.2                        | 32.9        | 14.0                 | 978.8             |
| 70°          | 13.4                  | 13.7                        | 16.2                        | 19.9                        | 24.5                        | 23.3                        | 22.8        | 9.9                  | 988.7             |
| 75°          | 7.5                   | 7.7                         | 9.1                         | 12.7                        | 16.1                        | 15.5                        | 14.8        | 6.4                  | 995.1             |
| 80°          | 4.0                   | 4.1                         | 4.6                         | 6.4                         | 8.9                         | 8.9                         | 8.1         | 3.5                  | 998.6             |
| 85°          | 1.9                   | 1.8                         | 2.0                         | 2.6                         | 3.4                         | 3.5                         | 3.0         | 1.4                  | 1000.0            |
| 90°          | 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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|                                 |     |                                     |                                                 |      |      |      |                                       |      |                        |      |        |     |
|---------------------------------|-----|-------------------------------------|-------------------------------------------------|------|------|------|---------------------------------------|------|------------------------|------|--------|-----|
| Familie<br>Licross® 11 Recessed |     |                                     | Bestell-Nr.: 51TL18VN465G<br>EAN: 4058352972359 |      |      |      |                                       |      | LP-Nummer<br>58691_213 |      |        |     |
| UGR-Tabelle                     |     |                                     |                                                 |      |      |      |                                       |      | Standardraum           |      | siteco |     |
| Reflexionsgrad Decke            |     | 0,7                                 | 0,7                                             | 0,5  | 0,5  | 0,3  | 0,7                                   | 0,7  | 0,5                    | 0,5  |        | 0,3 |
| Reflexionsgrad Wände            |     | 0,5                                 | 0,3                                             | 0,5  | 0,3  | 0,3  | 0,5                                   | 0,3  | 0,5                    | 0,3  |        | 0,3 |
| Reflexionsgrad Boden            |     | 0,2                                 | 0,2                                             | 0,2  | 0,2  | 0,2  | 0,2                                   | 0,2  | 0,2                    | 0,2  |        | 0,2 |
| Raumabmessungen                 |     | Blickrichtung quer zur Leuchte (C0) |                                                 |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |                        |      |        |     |
| x                               | y   |                                     |                                                 |      |      |      |                                       |      |                        |      |        |     |
| 2H                              | 2H  | 17,5                                | 18,8                                            | 17,8 | 19,1 | 19,4 | 18,4                                  | 19,7 | 18,8                   | 20,0 | 20,3   |     |
|                                 | 3H  | 17,7                                | 18,8                                            | 18,0 | 19,1 | 19,5 | 18,9                                  | 20,0 | 19,3                   | 20,4 | 20,7   |     |
|                                 | 4H  | 17,7                                | 18,7                                            | 18,1 | 19,1 | 19,5 | 19,1                                  | 20,1 | 19,5                   | 20,5 | 20,9   |     |
|                                 | 6H  | 17,7                                | 18,6                                            | 18,1 | 19,0 | 19,4 | 19,2                                  | 20,2 | 19,6                   | 20,5 | 20,9   |     |
|                                 | 8H  | 17,8                                | 18,6                                            | 18,2 | 19,0 | 19,4 | 19,3                                  | 20,1 | 19,8                   | 20,5 | 20,9   |     |
|                                 | 12H | 17,8                                | 18,5                                            | 18,2 | 18,9 | 19,3 | 19,3                                  | 20,1 | 19,8                   | 20,5 | 20,9   |     |
| 4H                              | 2H  | 17,6                                | 18,7                                            | 18,0 | 19,1 | 19,4 | 18,5                                  | 19,5 | 18,9                   | 19,9 | 20,3   |     |
|                                 | 3H  | 17,9                                | 18,8                                            | 18,3 | 19,2 | 19,6 | 19,1                                  | 20,0 | 19,6                   | 20,4 | 20,8   |     |
|                                 | 4H  | 18,0                                | 18,8                                            | 18,4 | 19,2 | 19,6 | 19,4                                  | 20,2 | 19,9                   | 20,6 | 21,1   |     |
|                                 | 6H  | 18,0                                | 18,7                                            | 18,5 | 19,1 | 19,6 | 19,6                                  | 20,3 | 20,1                   | 20,8 | 21,2   |     |
|                                 | 8H  | 18,0                                | 18,6                                            | 18,5 | 19,1 | 19,5 | 19,7                                  | 20,3 | 20,2                   | 20,8 | 21,2   |     |
|                                 | 12H | 18,0                                | 18,5                                            | 18,5 | 19,0 | 19,5 | 19,8                                  | 20,3 | 20,3                   | 20,7 | 21,2   |     |
| 8H                              | 4H  | 18,1                                | 18,7                                            | 18,6 | 19,1 | 19,6 | 19,5                                  | 20,1 | 19,9                   | 20,5 | 21,0   |     |
|                                 | 6H  | 18,1                                | 18,6                                            | 18,6 | 19,1 | 19,6 | 19,8                                  | 20,2 | 20,2                   | 20,7 | 21,2   |     |
|                                 | 8H  | 18,1                                | 18,6                                            | 18,6 | 19,0 | 19,6 | 19,8                                  | 20,3 | 20,3                   | 20,8 | 21,3   |     |
|                                 | 12H | 18,2                                | 18,5                                            | 18,7 | 19,0 | 19,5 | 19,9                                  | 20,3 | 20,5                   | 20,8 | 21,3   |     |
| 12H                             | 4H  | 18,1                                | 18,6                                            | 18,6 | 19,1 | 19,6 | 19,5                                  | 20,0 | 20,0                   | 20,4 | 20,9   |     |
|                                 | 6H  | 18,2                                | 18,6                                            | 18,7 | 19,0 | 19,6 | 19,8                                  | 20,1 | 20,3                   | 20,6 | 21,2   |     |
|                                 | 8H  | 18,2                                | 18,5                                            | 18,7 | 19,0 | 19,6 | 19,9                                  | 20,2 | 20,4                   | 20,7 | 21,3   |     |

| Leuchtdichten-Tabelle |                       | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische<br>Abmessungen in mm: |                             | L = 1500<br>B = 58          |             |
|-----------------------|-----------------------|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|-----------------------------|-------------|
| C-<br>Ebenen          | 0°<br>180°            | 15°<br>165°<br>195°<br>345°     | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315°           | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° |
| $\gamma$              | Leuchtdichte in cd/m² |                                 |                             |                                       |                             |                             |             |
| 45°                   | 11533.7               | 11449.6                         | 10879.9                     | 10985.7                               | 13134.3                     | 14781.5                     | 15276.6     |
| 50°                   | 7781.9                | 7706.6                          | 7317.4                      | 7767.9                                | 9785.9                      | 11052.5                     | 11338.2     |
| 55°                   | 5956.3                | 5919.9                          | 5923.1                      | 6397.7                                | 7951.3                      | 8751.6                      | 8857.6      |
| 60°                   | 4785.8                | 4762.1                          | 5118.4                      | 5700.6                                | 6769.4                      | 7058.7                      | 7052.1      |
| 65°                   | 3833.5                | 3849.1                          | 4398.8                      | 5024.4                                | 5954.5                      | 5879.5                      | 5827.9      |
| 70°                   | 2929.2                | 3006.5                          | 3556.3                      | 4357.1                                | 5366.0                      | 5114.9                      | 4991.9      |
| 75°                   | 2171.1                | 2233.1                          | 2638.1                      | 3664.9                                | 4667.1                      | 4498.0                      | 4286.0      |
| 80°                   | 1726.7                | 1754.8                          | 1992.2                      | 2768.1                                | 3856.1                      | 3824.2                      | 3514.8      |
| 85°                   | 1601.9                | 1586.5                          | 1715.4                      | 2268.3                                | 2933.0                      | 3029.3                      | 2571.9      |

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|                                               |                                                               |                                      |
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|-----------------------------------------------|---------------------------------------------------------------|--------------------------------------|

**Leuchtdichten in cd/m²**

γ 65°

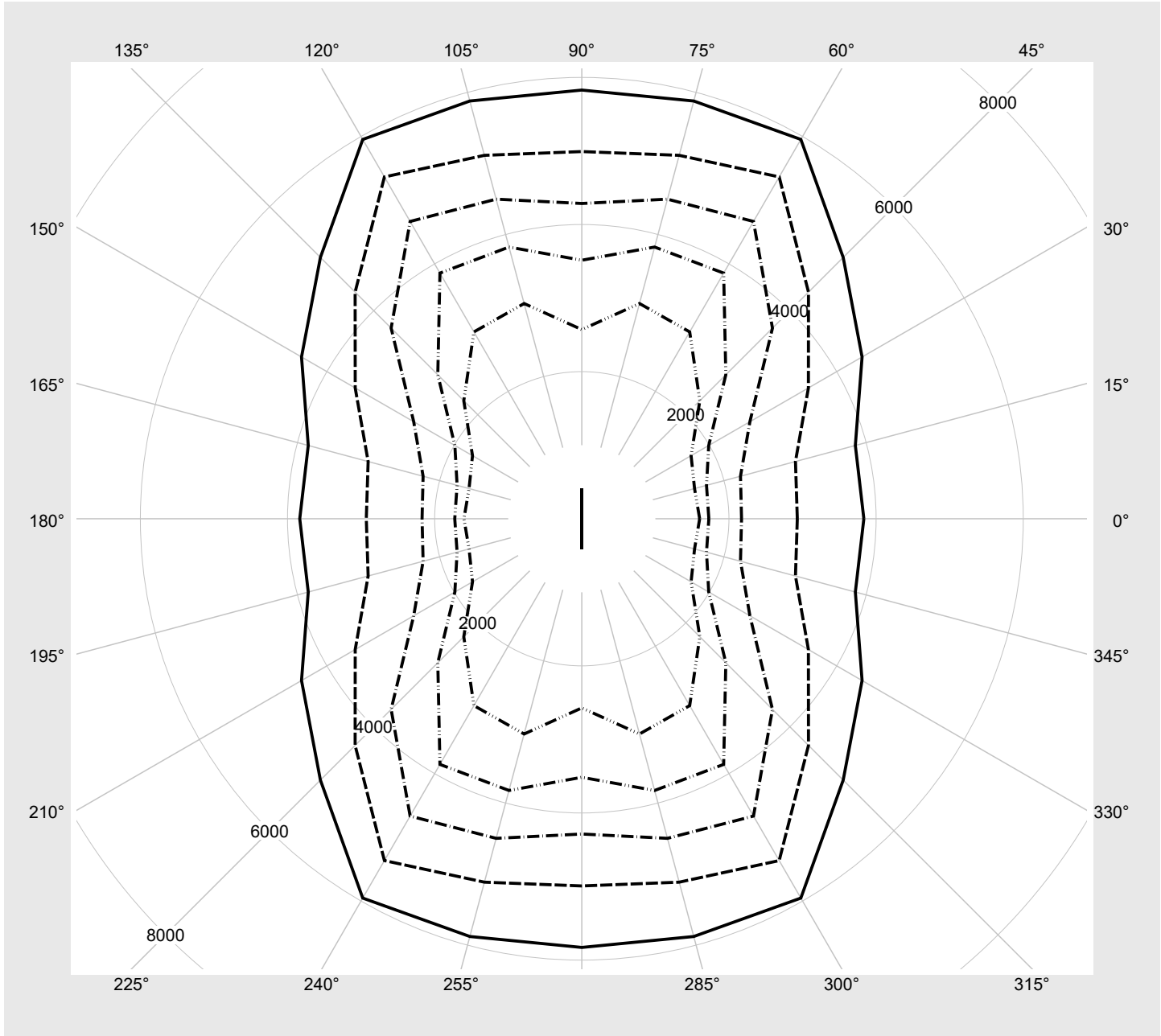
γ 70°

γ 75°

γ 80°

γ 85°

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|                                                        |                                                               |                                      |
|--------------------------------------------------------|---------------------------------------------------------------|--------------------------------------|
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| <b>Dimmstufen-Tabelle</b><br>Umgebungstemperatur: 25°C |                                                               | <b>sit</b> eco                       |

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100            | 254              | 254                     | 6520            | 36.0                                 | 37.8                               | 36.9                            |
| 95             | 241              | 252                     | 6204            | 34.2                                 | 35.9                               | 35.0                            |
| 90             | 227              | 250                     | 5859            | 32.1                                 | 33.9                               | 33.0                            |
| 85             | 214              | 248                     | 5540            | 30.4                                 | 31.9                               | 31.2                            |
| 80             | 201              | 245                     | 5218            | 28.6                                 | 30.0                               | 29.3                            |
| 75             | 188              | 243                     | 4895            | 26.9                                 | 28.1                               | 27.5                            |
| 70             | 175              | 240                     | 4569            | 25.1                                 | 26.3                               | 25.7                            |
| 65             | 162              | 238                     | 4239            | 23.3                                 | 24.5                               | 23.9                            |
| 60             | 149              | 234                     | 3910            | 21.5                                 | 22.6                               | 22.0                            |
| 55             | 136              | 231                     | 3579            | 19.8                                 | 20.8                               | 20.3                            |
| 50             | 124              | 228                     | 3272            | 18.2                                 | 19.0                               | 18.6                            |
| 45             | 111              | 224                     | 2937            | 16.6                                 | 17.3                               | 17.0                            |
| 40             | 98               | 219                     | 2598            | 14.8                                 | 15.5                               | 15.2                            |
| 35             | 86               | 214                     | 2285            | 13.1                                 | 13.8                               | 13.4                            |
| 30             | 73               | 208                     | 1945            | 11.4                                 | 11.9                               | 11.6                            |
| 25             | 61               | 202                     | 1628            | 9.8                                  | 10.2                               | 10.0                            |
| 20             | 49               | 194                     | 1310            | 8.2                                  | 8.6                                | 8.4                             |
| 15             | 37               | 183                     | 991             | 6.7                                  | 7.0                                | 6.8                             |
| 10             | 24               | 168                     | 640             | 5.0                                  | 5.2                                | 5.1                             |
| 5              | 12               | 142                     | 316             | 3.6                                  | 3.6                                | 3.6                             |
| 2              | 6                | 117                     | 154             | 2.7                                  | 2.8                                | 2.8                             |