

Lichttechnischer Prüfbefund

Familie
Trunking Flex 31

Bestell-Nr.: 51RF11DB49XG5
EAN: 4069025515971

LP-Nummer
59298_170



Ausführung primäre Lichtlenkung mit Linse, klar, PMMA, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 9000 lm
Systemleistung = 49.7 W
Lichtausbeute = 181.1 lm/W

Seriendokumentation
15.10.2025

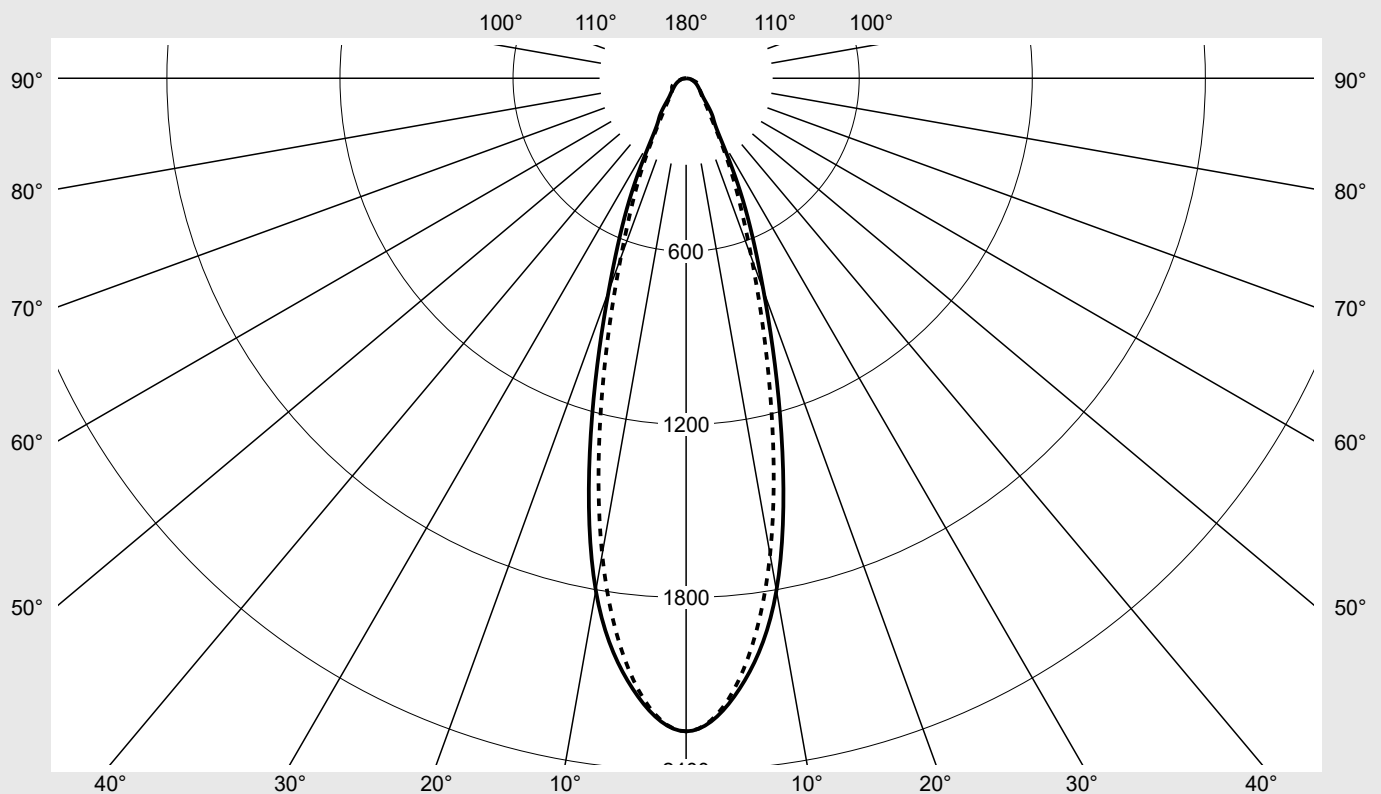
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 2264 cd/klm



Klassifizierungen

DIN 5040 A 7 1
CIE N1=83 N2=93 N3=98
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,6%
 ϕ_o 0,4%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|--|--|-------------------------------|
| Familie Trunking Flex 31 | Bestell-Nr.: 51RF11DB49XG5 EAN: 4069025515971 | LP-Nummer 59298_170 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | sITeCO |

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| γ | | | | | | | | | |
| Lichtstärke in cd/klm | | | | | | | | | |
| Lichtstrom in lm/klm | | | | | | | | | |
| 0° | 2264.0 | 2264.0 | 2264.0 | 2264.0 | 2264.0 | 2264.0 | 2264.0 | 13.5 | 13.5 |
| 5° | 2124.6 | 2117.3 | 2110.0 | 2106.4 | 2102.8 | 2098.6 | 2094.4 | 100.7 | 114.2 |
| 10° | 1803.1 | 1798.4 | 1793.7 | 1758.4 | 1723.0 | 1699.6 | 1676.2 | 166.8 | 281.0 |
| 15° | 1276.6 | 1263.1 | 1249.6 | 1218.9 | 1188.2 | 1155.9 | 1123.7 | 172.0 | 453.0 |
| 20° | 785.2 | 773.2 | 761.2 | 738.3 | 715.4 | 689.4 | 663.4 | 137.5 | 590.6 |
| 25° | 464.9 | 459.0 | 453.1 | 430.5 | 408.0 | 399.6 | 391.2 | 99.5 | 690.1 |
| 30° | 231.5 | 245.6 | 259.7 | 243.1 | 226.4 | 219.0 | 211.5 | 64.6 | 754.8 |
| 35° | 159.7 | 155.6 | 151.5 | 146.8 | 142.0 | 136.2 | 130.5 | 46.0 | 800.7 |
| 40° | 102.9 | 101.3 | 99.7 | 98.2 | 96.6 | 94.1 | 91.5 | 34.5 | 835.2 |
| 45° | 75.8 | 74.7 | 73.5 | 74.4 | 75.2 | 73.4 | 71.7 | 28.7 | 863.9 |
| 50° | 60.6 | 60.0 | 59.4 | 61.7 | 64.1 | 63.5 | 63.0 | 25.9 | 889.9 |
| 55° | 50.2 | 50.1 | 50.0 | 53.9 | 57.9 | 58.8 | 59.6 | 24.4 | 914.2 |
| 60° | 41.8 | 41.5 | 41.2 | 46.6 | 51.9 | 53.9 | 55.8 | 22.5 | 936.7 |
| 65° | 33.8 | 33.4 | 32.9 | 37.5 | 42.1 | 45.1 | 48.0 | 19.2 | 955.9 |
| 70° | 26.2 | 26.2 | 26.2 | 27.6 | 29.0 | 31.8 | 34.7 | 14.7 | 970.6 |
| 75° | 20.4 | 20.2 | 20.1 | 21.5 | 22.8 | 21.7 | 20.6 | 11.2 | 981.8 |
| 80° | 14.1 | 14.0 | 14.0 | 15.4 | 16.8 | 16.1 | 15.5 | 8.2 | 990.0 |
| 85° | 7.7 | 7.7 | 7.8 | 9.4 | 11.0 | 10.5 | 10.0 | 5.0 | 995.0 |
| 90° | 1.9 | 1.9 | 1.9 | 3.7 | 5.5 | 4.9 | 4.4 | 1.9 | 996.9 |
| 95° | 0.0 | 0.0 | 0.0 | 1.4 | 2.7 | 3.0 | 3.2 | 0.8 | 997.7 |
| 100° | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 2.5 | 2.9 | 0.6 | 998.3 |
| 105° | 0.0 | 0.0 | 0.0 | 1.0 | 1.9 | 2.2 | 2.5 | 0.6 | 998.9 |
| 110° | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 1.9 | 2.2 | 0.5 | 999.4 |
| 115° | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.5 | 1.8 | 0.4 | 999.7 |
| 120° | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.2 | 1.4 | 0.3 | 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-Tabelle | | Standardraum | | | | | | | | | |
|----------------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| Raumabmessungen | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 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 | |
| 2H | 2H | 16,4 | 17,6 | 16,8 | 17,9 | 18,3 | 17,6 | 18,8 | 17,9 | 19,1 | 19,4 |
| | 3H | 17,6 | 18,7 | 18,0 | 19,0 | 19,4 | 19,2 | 20,3 | 19,6 | 20,6 | 21,0 |
| | 4H | 18,2 | 19,2 | 18,6 | 19,6 | 19,9 | 19,7 | 20,7 | 20,1 | 21,1 | 21,5 |
| | 6H | 18,7 | 19,6 | 19,2 | 20,0 | 20,4 | 20,2 | 21,1 | 20,7 | 21,5 | 21,9 |
| | 8H | 19,0 | 19,8 | 19,4 | 20,1 | 20,5 | 20,6 | 21,3 | 21,0 | 21,7 | 22,1 |
| | 12H | 19,1 | 19,8 | 19,6 | 20,2 | 20,6 | 20,8 | 21,5 | 21,3 | 21,9 | 22,3 |
| 4H | 2H | 17,1 | 18,1 | 17,5 | 18,4 | 18,8 | 18,0 | 19,0 | 18,4 | 19,4 | 19,7 |
| | 3H | 18,5 | 19,3 | 18,9 | 19,7 | 20,1 | 19,8 | 20,6 | 20,2 | 21,0 | 21,4 |
| | 4H | 19,1 | 19,9 | 19,6 | 20,3 | 20,7 | 20,4 | 21,2 | 20,9 | 21,6 | 22,0 |
| | 6H | 19,8 | 20,4 | 20,2 | 20,8 | 21,3 | 21,1 | 21,7 | 21,6 | 22,2 | 22,6 |
| | 8H | 20,0 | 20,6 | 20,5 | 21,0 | 21,5 | 21,4 | 22,0 | 21,9 | 22,5 | 22,9 |
| | 12H | 20,2 | 20,7 | 20,7 | 21,1 | 21,6 | 21,8 | 22,3 | 22,3 | 22,7 | 23,2 |
| 8H | 4H | 19,5 | 20,1 | 20,0 | 20,5 | 21,0 | 20,7 | 21,2 | 21,2 | 21,7 | 22,2 |
| | 6H | 20,2 | 20,7 | 20,7 | 21,2 | 21,7 | 21,5 | 22,0 | 22,0 | 22,4 | 22,9 |
| | 8H | 20,5 | 21,0 | 21,1 | 21,4 | 22,0 | 21,9 | 22,3 | 22,4 | 22,8 | 23,4 |
| | 12H | 20,8 | 21,2 | 21,4 | 21,7 | 22,2 | 22,4 | 22,7 | 22,9 | 23,2 | 23,8 |
| 12H | 4H | 19,6 | 20,0 | 20,1 | 20,5 | 21,0 | 20,7 | 21,2 | 21,2 | 21,6 | 22,1 |
| | 6H | 20,4 | 20,8 | 20,9 | 21,2 | 21,8 | 21,6 | 21,9 | 22,1 | 22,4 | 23,0 |
| | 8H | 20,7 | 21,1 | 21,3 | 21,6 | 22,1 | 22,1 | 22,4 | 22,6 | 22,9 | 23,4 |

| | | | |
|--|--|-----------------------|--------------------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1433, B = 61 | H(C0) = 5, H(C90) = 5 | H(C180) = 5, H(C270) = 5 |
|--|--|-----------------------|--------------------------|

| C-Ebenen | γ | Leuchtdichte 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° | | 10200.5 | 10066.1 | 9981.8 | 10213.4 | 10491.6 | 10437.6 | 10398.8 |
| 50° | | 8837.8 | 8770.0 | 8754.0 | 9224.2 | 9752.8 | 9886.4 | 10046.0 |
| 55° | | 8058.8 | 8062.3 | 8122.9 | 8908.5 | 9773.7 | 10188.9 | 10652.4 |
| 60° | | 7542.0 | 7503.5 | 7527.4 | 8677.3 | 9937.8 | 10643.7 | 11429.7 |
| 65° | | 7012.9 | 6939.9 | 6935.8 | 8090.8 | 9376.1 | 10429.5 | 11611.2 |
| 70° | | 6429.3 | 6464.5 | 6581.1 | 7123.7 | 7776.5 | 8973.4 | 10343.4 |
| 75° | | 6208.8 | 6199.6 | 6289.5 | 6967.6 | 7800.1 | 7910.2 | 8085.9 |
| 80° | | 5693.8 | 5714.6 | 5861.3 | 6783.7 | 7953.6 | 8391.9 | 9007.3 |
| 85° | | 4668.9 | 4772.7 | 5045.1 | 6578.5 | 8652.2 | 9694.9 | 11378.4 |

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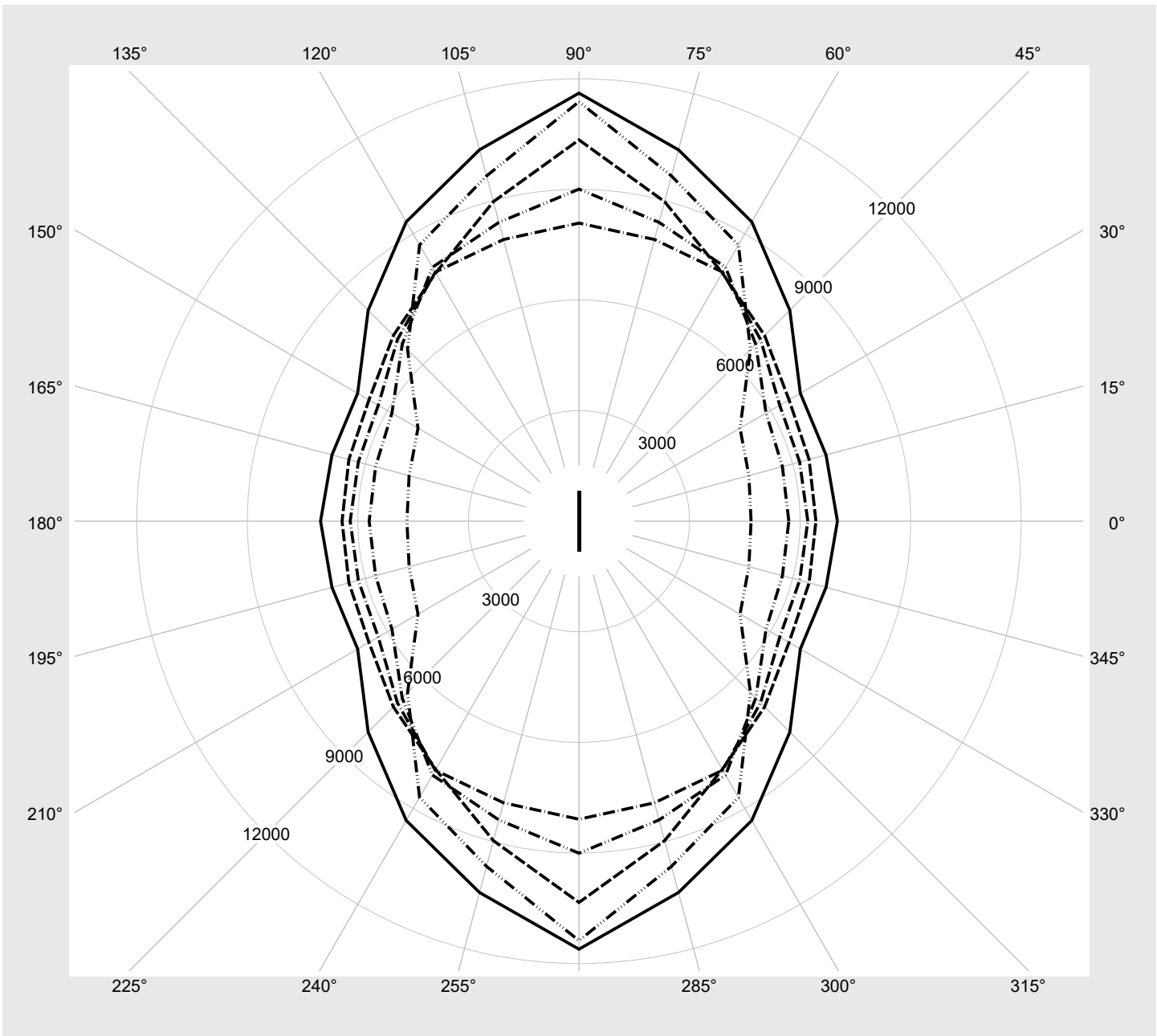
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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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|---------------------------|---------------------------|---------------|
| Dimmstufen-Tabelle | Umgebungstemperatur: 25°C | sITeco |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 9000 | 49.7 |
| 95 | 241 | 252 | 8566 | 47.2 |
| 90 | 227 | 250 | 8091 | 44.6 |
| 85 | 214 | 248 | 7650 | 42.1 |
| 80 | 201 | 245 | 7205 | 39.6 |
| 75 | 188 | 243 | 6757 | 37.1 |
| 70 | 175 | 240 | 6305 | 34.6 |
| 65 | 162 | 238 | 5853 | 32.3 |
| 60 | 149 | 234 | 5395 | 29.9 |
| 55 | 136 | 231 | 4935 | 27.6 |
| 50 | 124 | 228 | 4511 | 25.4 |
| 45 | 111 | 224 | 4045 | 23.0 |
| 40 | 99 | 219 | 3613 | 20.6 |
| 35 | 86 | 214 | 3146 | 18.1 |
| 30 | 74 | 209 | 2709 | 15.8 |
| 25 | 61 | 202 | 2235 | 13.2 |
| 20 | 49 | 194 | 1798 | 10.9 |
| 15 | 37 | 183 | 1356 | 8.5 |
| 10 | 25 | 169 | 911 | 6.3 |
| 5 | 13 | 145 | 468 | 4.1 |
| 3 | 7 | 122 | 244 | 3.0 |