

Lichttechnischer Prüfbefund

Familie

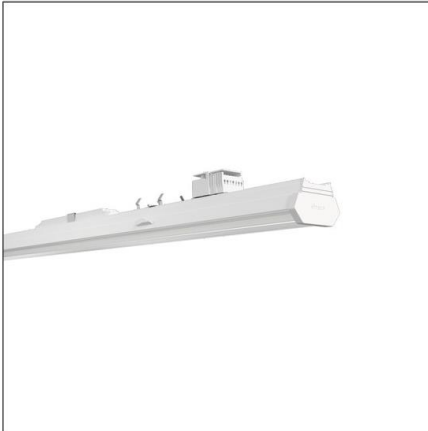
Licross® 11 Protected

Bestell-Nr.: 51TD12CN49XG

EAN: 4058352928653

LP-Nummer

58524_288



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi

Bemessungswerte
 Nettolichtstrom = 9070 lm
 Systemleistung = 49.4 W
 Lichtausbeute = 183.6 lm/W

Seriendokumentation
 12.10.2023

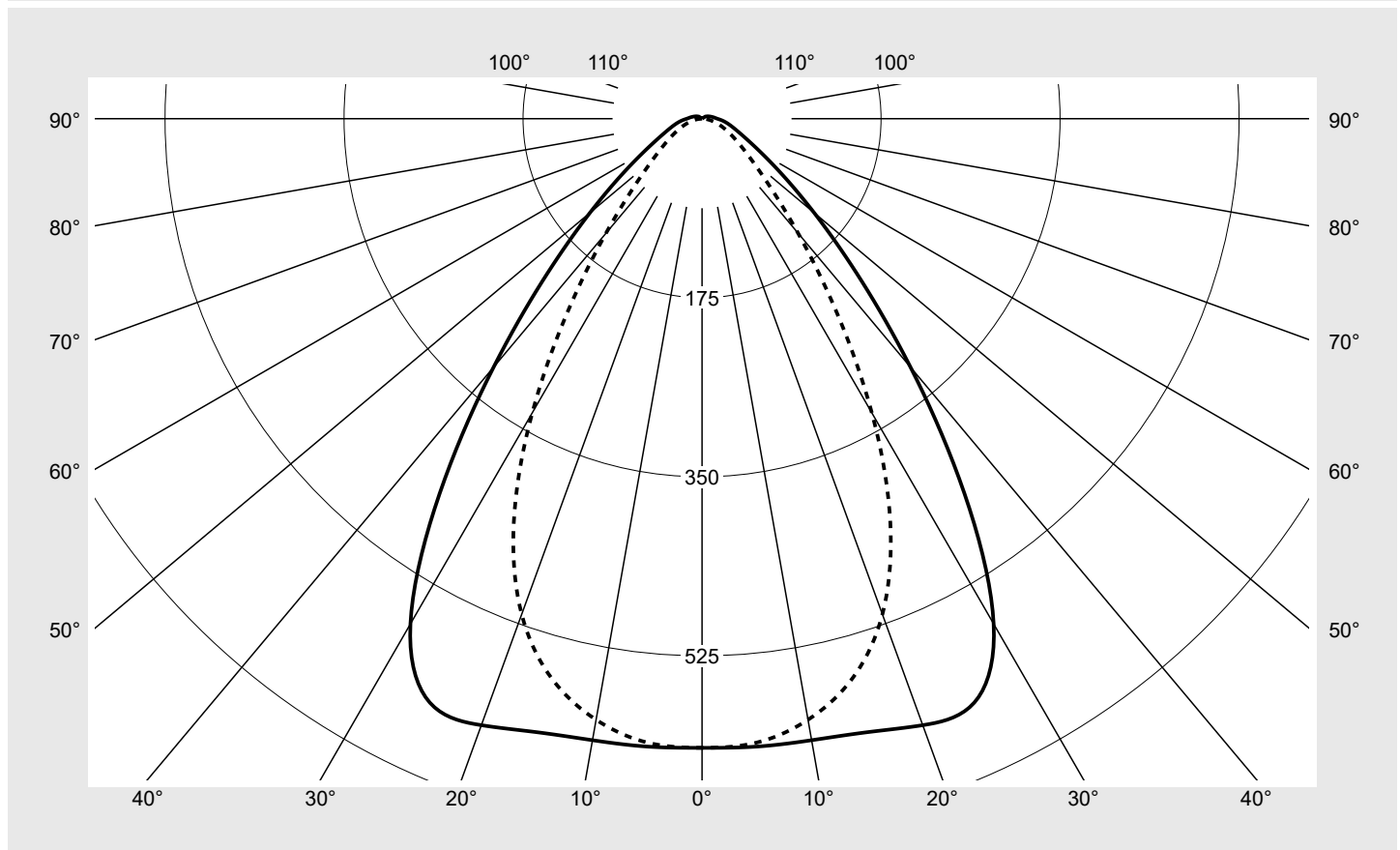
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 631 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=73 N2=92 N3=98
 N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,6%
 ϕ_o 1,4%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|---|---|--------------------------------------|
| Familie Licross® 11 Protected | Bestell-Nr.: 51TD12CN49XG EAN: 4058352928653 | LP-Nummer 58524_288 |
| 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° | | | |
| Lichtstärke in cd/klm | | | | | | | | Lichtstrom in lm/klm | |
| γ | | | | | | | | | |
| 0° | 615.0 | 615.0 | 615.0 | 615.0 | 615.0 | 615.0 | 615.0 | 3.7 | 3.7 |
| 5° | 616.1 | 614.1 | 609.7 | 611.1 | 612.9 | 611.9 | 612.2 | 29.3 | 32.9 |
| 10° | 616.9 | 615.1 | 606.4 | 602.8 | 600.3 | 597.0 | 596.6 | 57.6 | 90.5 |
| 15° | 620.9 | 617.8 | 600.9 | 587.5 | 576.7 | 568.6 | 566.8 | 83.8 | 174.3 |
| 20° | 630.8 | 623.5 | 591.7 | 561.2 | 536.7 | 520.1 | 515.5 | 106.4 | 280.7 |
| 25° | 629.8 | 620.7 | 576.3 | 523.2 | 476.9 | 445.6 | 435.5 | 122.6 | 403.3 |
| 30° | 570.2 | 568.9 | 534.3 | 469.6 | 398.0 | 348.4 | 331.9 | 126.5 | 529.9 |
| 35° | 447.2 | 456.9 | 450.2 | 394.1 | 307.5 | 246.5 | 227.0 | 114.9 | 644.8 |
| 40° | 317.0 | 331.0 | 344.1 | 303.2 | 220.2 | 163.1 | 146.0 | 93.6 | 738.3 |
| 45° | 213.9 | 226.3 | 244.1 | 214.7 | 147.7 | 105.6 | 94.0 | 70.6 | 808.9 |
| 50° | 143.1 | 152.0 | 166.9 | 144.8 | 97.7 | 70.8 | 64.1 | 51.5 | 860.4 |
| 55° | 96.6 | 102.1 | 111.9 | 95.1 | 64.8 | 49.7 | 46.3 | 37.0 | 897.4 |
| 60° | 67.0 | 69.6 | 74.2 | 63.4 | 44.8 | 36.0 | 34.5 | 26.8 | 924.2 |
| 65° | 49.0 | 49.5 | 50.0 | 42.8 | 32.0 | 26.6 | 25.7 | 19.7 | 943.9 |
| 70° | 37.9 | 37.0 | 34.4 | 29.4 | 23.3 | 19.5 | 18.8 | 14.8 | 958.7 |
| 75° | 30.5 | 28.7 | 24.6 | 20.4 | 16.6 | 13.6 | 12.7 | 11.1 | 969.8 |
| 80° | 24.8 | 22.7 | 18.1 | 14.1 | 11.2 | 8.8 | 7.6 | 8.2 | 978.0 |
| 85° | 19.7 | 17.8 | 13.4 | 9.8 | 7.1 | 4.8 | 3.4 | 5.9 | 983.8 |
| 90° | 14.9 | 13.4 | 9.7 | 6.4 | 4.0 | 1.9 | 0.4 | 3.9 | 987.8 |
| 95° | 12.2 | 11.1 | 8.2 | 5.4 | 3.1 | 1.2 | 0.3 | 3.2 | 991.0 |
| 100° | 10.0 | 9.2 | 6.9 | 4.5 | 2.4 | 0.7 | 0.3 | 2.6 | 993.6 |
| 105° | 8.2 | 7.6 | 5.7 | 3.6 | 1.7 | 0.4 | 0.3 | 2.1 | 995.6 |
| 110° | 6.8 | 6.2 | 4.6 | 2.7 | 1.1 | 0.3 | 0.3 | 1.6 | 997.2 |
| 115° | 5.5 | 5.0 | 3.7 | 2.0 | 0.7 | 0.4 | 0.4 | 1.2 | 998.4 |
| 120° | 4.3 | 3.8 | 2.7 | 1.4 | 0.6 | 0.5 | 0.5 | 0.9 | 999.3 |
| 125° | 3.1 | 2.7 | 1.8 | 0.9 | 0.6 | 0.6 | 0.6 | 0.6 | 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 | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 20,9 | 22,4 | 21,3 | 22,7 | 23,0 | 17,7 | 19,1 | 18,0 | 19,4 | 19,7 |
| | 3H | 21,4 | 22,6 | 21,7 | 22,9 | 23,3 | 18,0 | 19,3 | 18,4 | 19,6 | 20,0 |
| | 4H | 21,6 | 22,7 | 22,0 | 23,1 | 23,5 | 18,2 | 19,4 | 18,6 | 19,7 | 20,1 |
| | 6H | 21,9 | 22,9 | 22,3 | 23,3 | 23,7 | 18,3 | 19,4 | 18,7 | 19,8 | 20,2 |
| | 8H | 22,1 | 23,0 | 22,5 | 23,4 | 23,8 | 18,4 | 19,4 | 18,8 | 19,8 | 20,2 |
| | 12H | 22,3 | 23,1 | 22,7 | 23,5 | 23,9 | 18,4 | 19,4 | 18,8 | 19,8 | 20,2 |
| 4H | 2H | 21,0 | 22,2 | 21,4 | 22,5 | 22,9 | 18,2 | 19,4 | 18,6 | 19,7 | 20,1 |
| | 3H | 21,5 | 22,5 | 22,0 | 22,9 | 23,3 | 18,7 | 19,7 | 19,1 | 20,0 | 20,5 |
| | 4H | 21,9 | 22,8 | 22,3 | 23,2 | 23,6 | 18,9 | 19,8 | 19,3 | 20,2 | 20,6 |
| | 6H | 22,3 | 23,0 | 22,7 | 23,5 | 23,9 | 19,1 | 19,9 | 19,6 | 20,3 | 20,8 |
| | 8H | 22,5 | 23,2 | 23,0 | 23,6 | 24,1 | 19,2 | 19,9 | 19,6 | 20,3 | 20,8 |
| | 12H | 22,8 | 23,4 | 23,3 | 23,8 | 24,3 | 19,2 | 19,8 | 19,7 | 20,3 | 20,8 |
| 8H | 4H | 21,9 | 22,6 | 22,4 | 23,0 | 23,5 | 19,1 | 19,8 | 19,6 | 20,2 | 20,7 |
| | 6H | 22,4 | 23,0 | 22,9 | 23,4 | 23,9 | 19,4 | 20,0 | 19,9 | 20,4 | 21,0 |
| | 8H | 22,7 | 23,2 | 23,2 | 23,7 | 24,2 | 19,5 | 20,0 | 20,0 | 20,5 | 21,0 |
| | 12H | 23,1 | 23,5 | 23,6 | 24,0 | 24,5 | 19,6 | 20,1 | 20,2 | 20,6 | 21,1 |
| 12H | 4H | 21,9 | 22,5 | 22,4 | 23,0 | 23,4 | 19,2 | 19,8 | 19,7 | 20,2 | 20,7 |
| | 6H | 22,4 | 22,9 | 22,9 | 23,4 | 23,9 | 19,5 | 20,0 | 20,0 | 20,5 | 21,0 |
| | 8H | 22,7 | 23,2 | 23,3 | 23,7 | 24,2 | 19,7 | 20,1 | 20,2 | 20,6 | 21,1 |

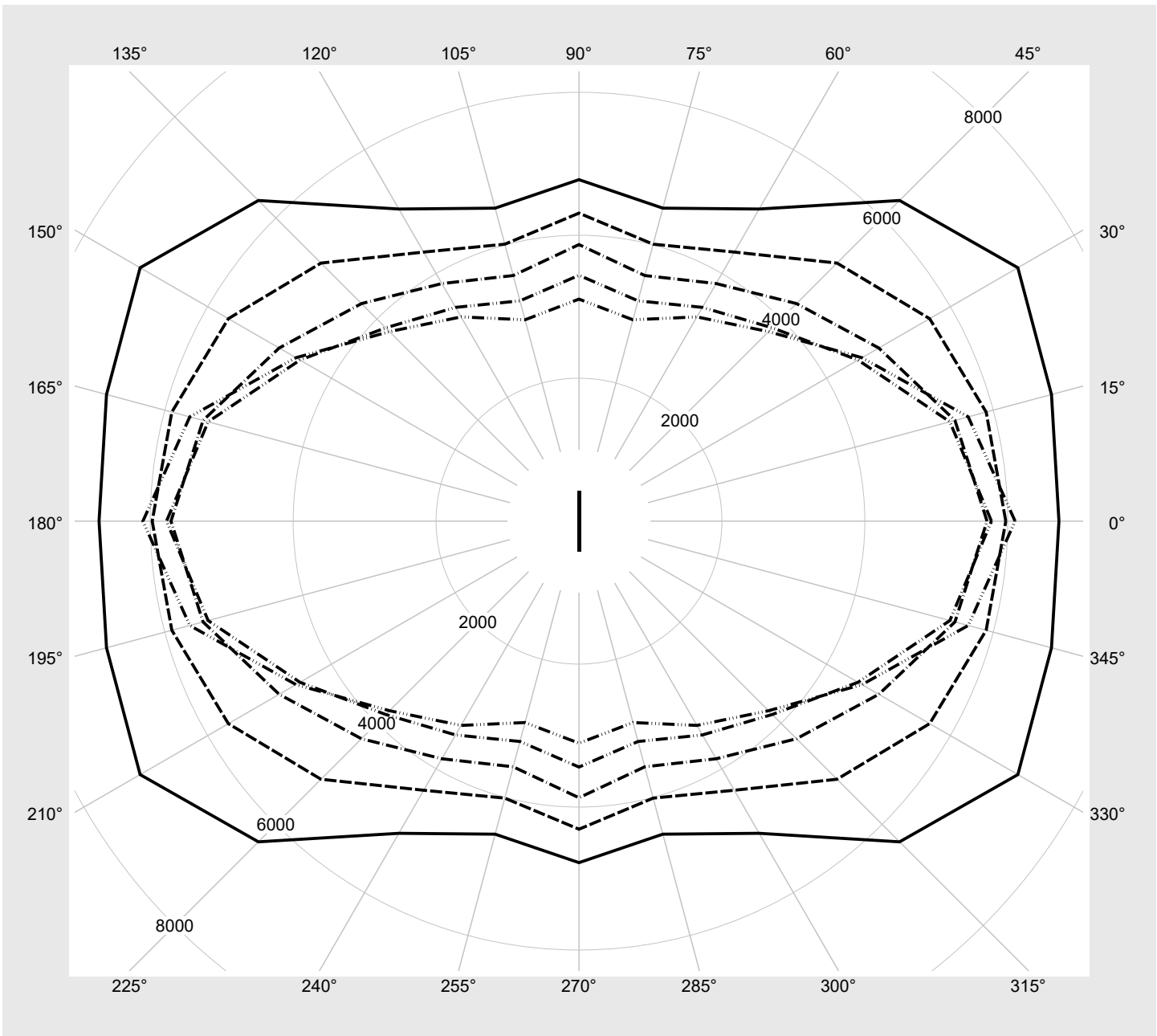
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|--|---|------------|--------------|------------|-------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1480 B = 78 | H(C0) = 13 | H(C180) = 13 | H(C90) = 0 | H(C270) = 0 |
|--|---|------------|--------------|------------|-------------|

| 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° | | 20375.0 | 21654.5 | 23701.1 | 21338.8 | 15146.7 | 11250.4 | 10448.6 |
| 50° | | 14589.0 | 15589.2 | 17410.8 | 15523.6 | 10863.8 | 8227.8 | 7830.0 |
| 55° | | 10683.7 | 11367.3 | 12705.0 | 11149.8 | 7932.9 | 6408.2 | 6343.2 |
| 60° | | 8174.8 | 8551.3 | 9330.6 | 8271.1 | 6145.4 | 5269.2 | 5415.1 |
| 65° | | 6716.7 | 6845.7 | 7091.8 | 6345.0 | 5042.7 | 4533.8 | 4777.7 |
| 70° | | 5972.9 | 5899.1 | 5666.2 | 5106.5 | 4347.3 | 4011.7 | 4309.8 |
| 75° | | 5710.1 | 5447.0 | 4845.1 | 4305.1 | 3838.5 | 3557.9 | 3869.6 |
| 80° | | 5772.5 | 5373.2 | 4508.7 | 3825.3 | 3453.8 | 3191.4 | 3440.1 |
| 85° | | 6103.0 | 5639.4 | 4573.4 | 3750.6 | 3299.8 | 2916.9 | 3106.5 |

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



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| | | |
|---------------------------|---------------------------|---------------|
| Multilumen-Tabelle | Umgebungstemperatur: 25°C | siteco |
|---------------------------|---------------------------|---------------|

| DIP-Stufe | Schalterstellung | | | Lichtstrom [lm] | Systemleistung [W] | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|-----------|------------------|---|---|--------------------|-----------------------|---------------------------------------|------------------------------------|
| | 1 | 2 | 3 | | | | |
| 1 | A | C | E | 9070 | 49.4 | 55.3 | 52.4 |
| 2 | A | C | F | 8548 | 46.3 | 51.7 | 49.0 |
| 3 | A | D | E | 8016 | 43.1 | 48.1 | 45.6 |
| 4 | A | D | F | 7569 | 40.5 | 44.5 | 42.5 |
| 5 | B | C | E | 7026 | 37.4 | 41.8 | 39.6 |
| 6 | B | C | F | 6558 | 34.7 | 38.3 | 36.5 |
| 7 | B | D | E | 6015 | 31.8 | 35.2 | 33.5 |
| 8 | B | D | F | 5546 | 29.2 | 32.2 | 30.7 |