

## Lichttechnischer Prüfbefund

**Familie**  
Linear Office VEGA®

**Bestell-Nr.:** 5MN238DLE0S3 + 5MN91401  
**EAN:** 4050737964263 + 4050737754987

**LP-Nummer**  
56404\_24



**Ausführung** Anbauleuchte, Prismen-Lichtleiter, 100%  
Passepartout, direkt strahlend, Sensor Master

**Bestückung** 1 x LED 3000K / CRI ≥ 80  
(unbekannt LED 3000K / CRI = 80)

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 7100 lm  
Systemleistung = 62.0 W  
Lichtausbeute = 114.5 lm/W

**Seriendokumentation**  
23.10.2015

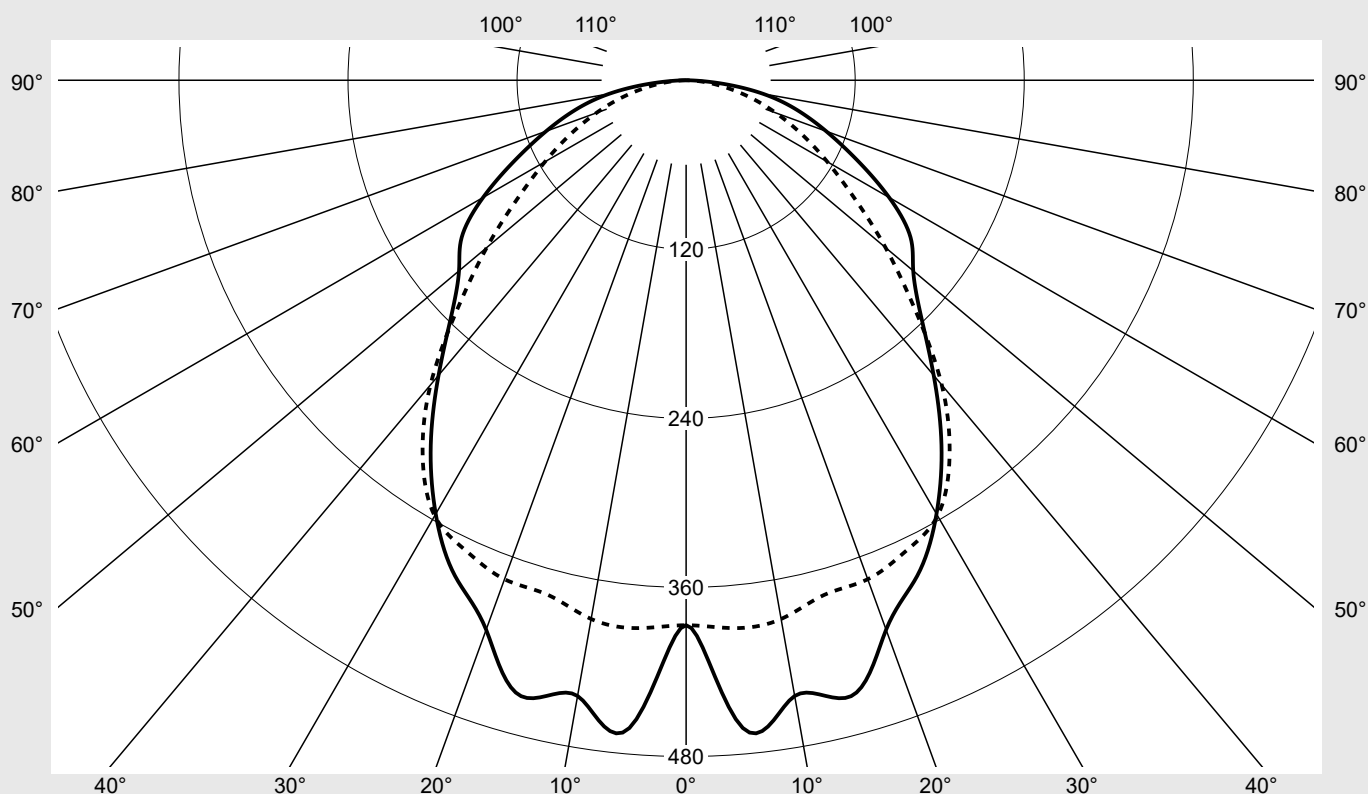
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 467 cd/klm



#### Klassifizierungen

DIN 5040 A 4 0  
CIE N1=54 N2=82 N3=96  
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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|                                       |  |                                     |
|---------------------------------------|--|-------------------------------------|
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|---------------------------------------|--|-------------------------------------|

|  |                             |               |
|--|-----------------------------|---------------|
| <b>Wertetabelle Lichtstärkemessung</b> | <b>Maximale Lichtstärke</b> | <b>sITeco</b> |
|--|-----------------------------|---------------|

| C-<br>Ebenen          | 0°<br>180° | 15°                  | 30°                  | 45°                  | 60°                  | 75°                  | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------------|-------------------|
|                       |            | 165°<br>195°<br>345° | 150°<br>210°<br>330° | 135°<br>225°<br>315° | 120°<br>240°<br>300° | 105°<br>255°<br>285° |             |                      |                   |
| Lichtstärke in cd/klm |            |                      |                      |                      |                      |                      |             | Lichtstrom in lm/klm |                   |
| γ                     |            |                      |                      |                      |                      |                      |             |                      |                   |
| 0°                    | 386.8      | 386.8                | 386.8                | 386.8                | 386.8                | 386.8                | 386.8       | 2.3                  | 2.3               |
| 5°                    | 461.5      | 461.5                | 461.5                | 461.5                | 461.5                | 381.0                | 390.4       | 21.1                 | 23.4              |
| 10°                   | 443.8      | 437.9                | 432.9                | 446.3                | 467.4                | 428.3                | 388.3       | 41.7                 | 65.1              |
| 15°                   | 452.6      | 449.2                | 439.8                | 423.2                | 442.6                | 433.2                | 378.2       | 61.6                 | 126.7             |
| 20°                   | 415.0      | 411.0                | 408.2                | 404.7                | 404.8                | 433.1                | 376.9       | 76.8                 | 203.5             |
| 25°                   | 388.2      | 380.5                | 367.1                | 362.4                | 367.8                | 402.6                | 368.8       | 87.2                 | 290.7             |
| 30°                   | 355.5      | 345.4                | 333.6                | 317.4                | 310.7                | 360.6                | 357.0       | 92.4                 | 383.2             |
| 35°                   | 316.0      | 305.8                | 289.3                | 279.6                | 259.0                | 314.3                | 326.0       | 92.7                 | 475.8             |
| 40°                   | 273.4      | 262.9                | 250.7                | 236.6                | 216.5                | 258.3                | 282.3       | 88.3                 | 564.1             |
| 45°                   | 235.5      | 226.1                | 210.9                | 196.5                | 181.8                | 207.9                | 229.6       | 81.1                 | 645.2             |
| 50°                   | 210.4      | 203.1                | 181.3                | 164.6                | 153.9                | 170.2                | 184.8       | 74.9                 | 720.2             |
| 55°                   | 194.5      | 184.5                | 158.1                | 135.8                | 130.8                | 140.3                | 145.8       | 68.8                 | 789.0             |
| 60°                   | 166.4      | 157.1                | 131.9                | 111.3                | 109.6                | 116.7                | 115.7       | 60.7                 | 849.7             |
| 65°                   | 133.7      | 127.5                | 106.3                | 88.5                 | 90.0                 | 95.0                 | 90.5        | 51.3                 | 901.0             |
| 70°                   | 105.8      | 98.2                 | 81.0                 | 67.0                 | 69.7                 | 72.9                 | 67.8        | 40.8                 | 941.8             |
| 75°                   | 81.5       | 72.6                 | 57.9                 | 46.6                 | 49.7                 | 51.7                 | 47.1        | 30.3                 | 972.1             |
| 80°                   | 55.5       | 48.5                 | 36.3                 | 28.2                 | 30.2                 | 30.7                 | 27.7        | 19.4                 | 991.4             |
| 85°                   | 23.2       | 20.4                 | 15.9                 | 12.8                 | 13.9                 | 13.4                 | 11.8        | 8.5                  | 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            |

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| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 18,0                                | 19,6 | 18,3 | 19,9 | 20,2 | 16,5                                  | 18,2 | 16,9 | 18,5 | 18,8 |
|                 | 3H  | 19,8                                | 21,2 | 20,2 | 21,6 | 21,9 | 18,0                                  | 19,5 | 18,4 | 19,8 | 20,1 |
|                 | 4H  | 20,6                                | 22,0 | 21,0 | 22,3 | 22,7 | 18,6                                  | 20,0 | 19,0 | 20,3 | 20,7 |
|                 | 6H  | 21,4                                | 22,6 | 21,8 | 23,0 | 23,4 | 19,0                                  | 20,3 | 19,4 | 20,6 | 21,0 |
|                 | 8H  | 21,7                                | 22,9 | 22,1 | 23,2 | 23,7 | 19,2                                  | 20,3 | 19,6 | 20,7 | 21,1 |
|                 | 12H | 21,9                                | 23,0 | 22,3 | 23,4 | 23,8 | 19,3                                  | 20,4 | 19,7 | 20,8 | 21,2 |
| 4H              | 2H  | 18,4                                | 19,7 | 18,8 | 20,1 | 20,5 | 17,2                                  | 18,6 | 17,6 | 18,9 | 19,3 |
|                 | 3H  | 20,4                                | 21,5 | 20,8 | 21,9 | 22,3 | 18,9                                  | 20,0 | 19,3 | 20,4 | 20,8 |
|                 | 4H  | 21,3                                | 22,4 | 21,8 | 22,8 | 23,2 | 19,6                                  | 20,6 | 20,0 | 21,0 | 21,5 |
|                 | 6H  | 22,3                                | 23,2 | 22,7 | 23,6 | 24,0 | 20,1                                  | 21,0 | 20,6 | 21,5 | 21,9 |
|                 | 8H  | 22,6                                | 23,4 | 23,1 | 23,9 | 24,4 | 20,3                                  | 21,2 | 20,8 | 21,6 | 22,1 |
|                 | 12H | 22,9                                | 23,6 | 23,4 | 24,1 | 24,6 | 20,5                                  | 21,2 | 21,0 | 21,7 | 22,2 |
| 8H              | 4H  | 21,5                                | 22,3 | 22,0 | 22,8 | 23,2 | 19,9                                  | 20,7 | 20,4 | 21,2 | 21,7 |
|                 | 6H  | 22,5                                | 23,2 | 23,0 | 23,7 | 24,2 | 20,6                                  | 21,3 | 21,1 | 21,7 | 22,2 |
|                 | 8H  | 23,0                                | 23,6 | 23,5 | 24,0 | 24,6 | 20,9                                  | 21,5 | 21,4 | 21,9 | 22,5 |
|                 | 12H | 23,3                                | 23,8 | 23,8 | 24,3 | 24,8 | 21,1                                  | 21,6 | 21,6 | 22,1 | 22,6 |
| 12H             | 4H  | 21,5                                | 22,3 | 22,0 | 22,7 | 23,2 | 20,0                                  | 20,7 | 20,5 | 21,2 | 21,7 |
|                 | 6H  | 22,6                                | 23,2 | 23,1 | 23,6 | 24,2 | 20,7                                  | 21,3 | 21,2 | 21,8 | 22,3 |
|                 | 8H  | 23,0                                | 23,5 | 23,5 | 24,0 | 24,6 | 21,0                                  | 21,5 | 21,5 | 22,0 | 22,5 |

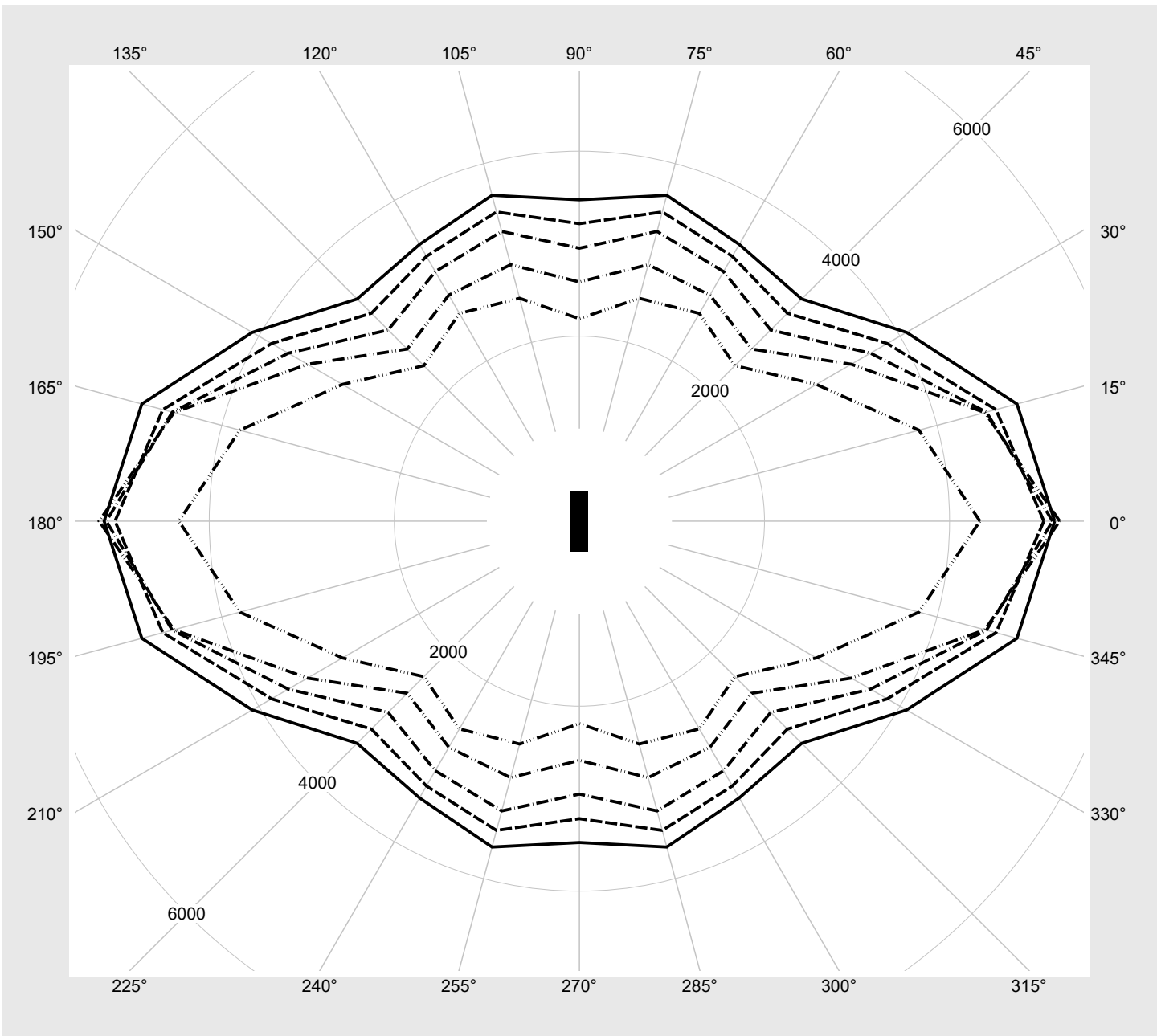
|  |   |
|--|---|
| <b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$ | <b>Lichttechnische Abmessungen in mm:</b> L = 1250<br>B = 350 |
|--|---|

| C-Ebenen | $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |                             |                             |                             |                             |                             |             |  |
|----------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
|          |          | 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° |  |
| 45°      | 45°      | 5405.4                            | 5189.2                      | 4841.2                      | 4509.0                      | 4173.4                      | 4771.8                      | 5268.9      |  |
| 50°      | 50°      | 5313.1                            | 5127.9                      | 4576.1                      | 4155.6                      | 3885.3                      | 4297.0                      | 4664.9      |  |
| 55°      | 55°      | 5502.6                            | 5220.8                      | 4472.2                      | 3842.7                      | 3700.7                      | 3970.2                      | 4124.5      |  |
| 60°      | 60°      | 5401.8                            | 5097.5                      | 4281.1                      | 3611.1                      | 3558.0                      | 3786.3                      | 3754.0      |  |
| 65°      | 65°      | 5135.7                            | 4895.2                      | 4081.8                      | 3397.0                      | 3454.9                      | 3647.3                      | 3474.1      |  |
| 70°      | 70°      | 5018.7                            | 4660.2                      | 3841.3                      | 3178.8                      | 3305.8                      | 3461.0                      | 3216.2      |  |
| 75°      | 75°      | 5112.5                            | 4554.3                      | 3632.0                      | 2923.1                      | 3115.1                      | 3242.8                      | 2951.0      |  |
| 80°      | 80°      | 5189.9                            | 4536.1                      | 3392.9                      | 2631.5                      | 2822.3                      | 2870.4                      | 2585.7      |  |
| 85°      | 85°      | 4328.6                            | 3798.5                      | 2956.9                      | 2377.4                      | 2593.2                      | 2494.5                      | 2188.8      |  |

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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



| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100            | 254              | 254                     | 7100            | 62.0               |
| 95             | 240              | 252                     | 6745            | 58.6               |
| 90             | 225              | 250                     | 6390            | 54.9               |
| 85             | 211              | 247                     | 6035            | 51.5               |
| 80             | 198              | 245                     | 5680            | 48.2               |
| 75             | 184              | 242                     | 5325            | 45.0               |
| 70             | 171              | 240                     | 4970            | 41.8               |
| 65             | 158              | 237                     | 4615            | 38.5               |
| 60             | 144              | 234                     | 4260            | 35.2               |
| 55             | 132              | 230                     | 3905            | 32.5               |
| 50             | 119              | 227                     | 3550            | 29.2               |
| 45             | 107              | 223                     | 3195            | 26.5               |
| 40             | 94               | 218                     | 2840            | 23.6               |
| 35             | 82               | 213                     | 2485            | 20.8               |
| 30             | 70               | 207                     | 2130            | 17.9               |
| 25             | 58               | 200                     | 1775            | 15.3               |
| 20             | 46               | 192                     | 1420            | 12.5               |
| 15             | 34               | 181                     | 1065            | 9.8                |
| 10             | 23               | 166                     | 710             | 7.2                |
| 5              | 12               | 141                     | 355             | 4.6                |