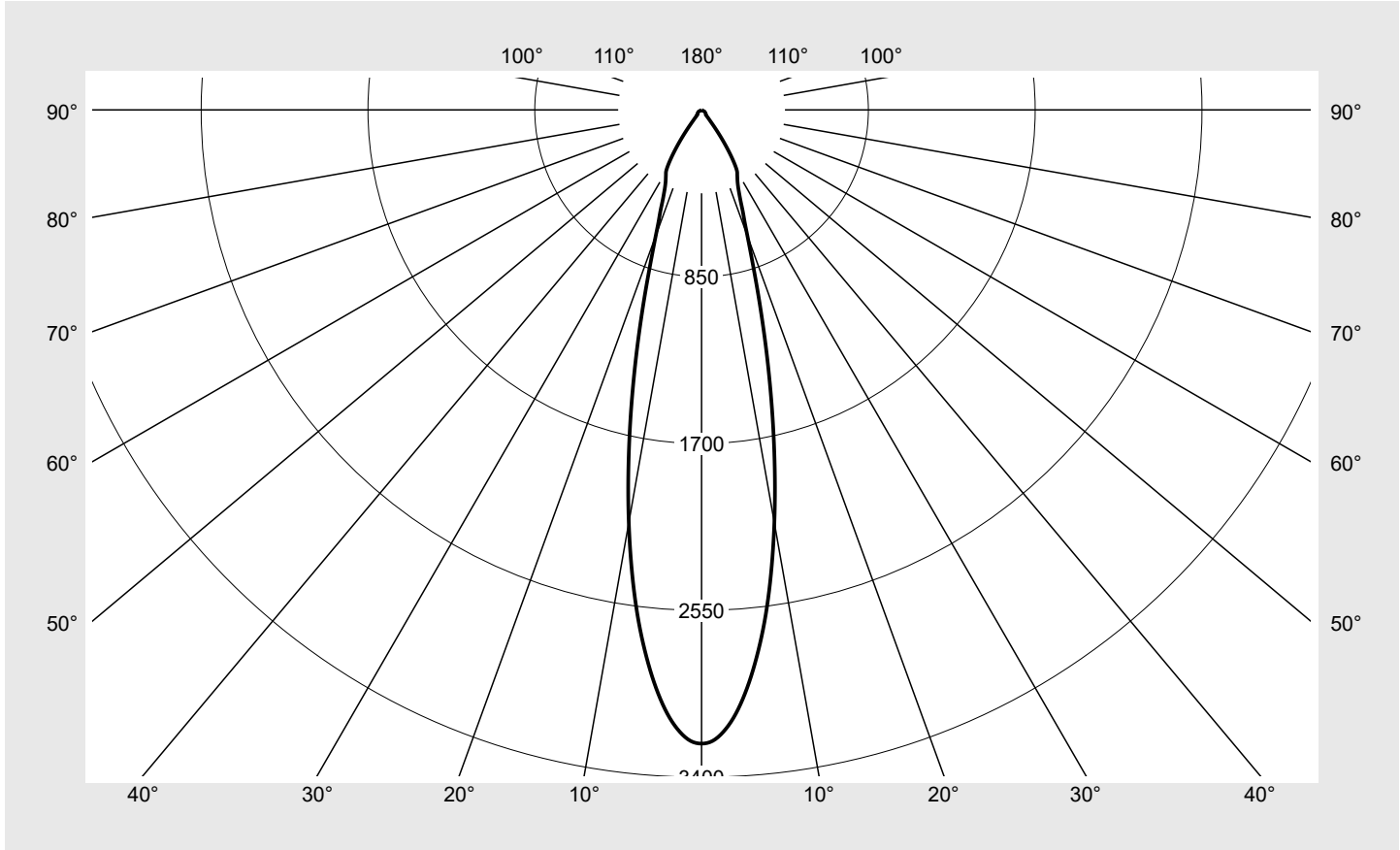


## Photometric test report

|  |  |  |
|--|--|--|
| <b>Family</b><br><b>Spot 21 Modario®</b> | <b>Order number: 51SM13MB11A2C</b><br><b>EAN: 4069025531308</b>  | <b>LP number</b><br><b>59885_18</b>              |
|  | <b>Version</b> reflector, cover, polycarbonate, rotationally symmetrical medium distribution<br><b>Lamps</b> LED 2700 K   CRI ≥ 90<br><b>Controlgear</b> ECG Multilumen<br><b>Setting</b> factory setting: DIP-Step=9<br><b>Rated values</b> Net luminous flux = 3860 lm<br>Power consumption = 28.7 W<br>Luminous efficacy = 134.5 lm/W | <b>serial documentation</b><br><b>21.05.2026</b> |

**Luminous intensity in cd/klm** C180-0 **Imax: 3229 cd/klm**



| Classifications |                                    |
|-----------------|------------------------------------|
| DIN 5040        | A 7 0                              |
| CIE             | N1=93 N2=97 N3=99<br>N4=100 N5=100 |

| Luminaire light output ratios |        |
|-------------------------------|--------|
| $\eta_{LB}$                   | 100.0% |
| $\phi_u$                      | 100.0% |
| $\phi_o$                      | 0.0%   |

| Measurement conditions    |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

## Photometric test report

|   |   |                                   |
|---|---|-----------------------------------|
| <b>Family</b><br>Spot 21 Modario®               | <b>Order number: 51SM13MB11A2C</b><br><b>EAN: 4069025531308</b> | <b>LP number</b><br>59885_18      |
| <b>Table of values for luminous intensities</b> |   | <b>Maximum luminous intensity</b> |
|   |   | <b>sITeCO</b>                     |

| C-planes | 0°                           | Phi-zone | Total Phi-zone          |
|----------|------------------------------|----------|-------------------------|
| γ        | Luminous intensity in cd/klm |          | Luminous flux in lm/klm |
| 0°       | 3228.9                       | 0.8      | 0.8                     |
| 1°       | 3215.7                       | 6.2      | 6.9                     |
| 2°       | 3171.2                       | 12.1     | 19.1                    |
| 3°       | 3102.3                       | 17.8     | 36.9                    |
| 4°       | 3009.1                       | 23.0     | 59.9                    |
| 5°       | 2896.6                       | 27.7     | 87.6                    |
| 6°       | 2768.9                       | 31.7     | 119.3                   |
| 7°       | 2629.1                       | 35.1     | 154.4                   |
| 8°       | 2474.1                       | 37.8     | 192.2                   |
| 9°       | 2308.0                       | 39.6     | 231.8                   |
| 10°      | 2135.7                       | 40.7     | 272.5                   |
| 11°      | 1959.4                       | 41.0     | 313.5                   |
| 12°      | 1782.1                       | 40.6     | 354.1                   |
| 13°      | 1608.9                       | 39.7     | 393.8                   |
| 14°      | 1439.7                       | 38.2     | 432.0                   |
| 15°      | 1279.6                       | 36.3     | 468.3                   |
| 16°      | 1128.7                       | 34.1     | 502.4                   |
| 17°      | 992.1                        | 31.8     | 534.2                   |
| 18°      | 870.1                        | 29.5     | 563.7                   |
| 19°      | 767.9                        | 27.4     | 591.1                   |
| 20°      | 682.9                        | 25.6     | 616.7                   |
| 21°      | 613.3                        | 24.1     | 640.8                   |
| 22°      | 563.3                        | 23.1     | 664.0                   |
| 23°      | 513.5                        | 22.0     | 686.0                   |
| 24°      | 475.0                        | 21.2     | 707.2                   |
| 25°      | 444.4                        | 20.6     | 727.8                   |
| 26°      | 420.8                        | 20.2     | 748.0                   |
| 27°      | 402.6                        | 20.0     | 768.0                   |
| 28°      | 388.1                        | 20.0     | 788.0                   |
| 29°      | 374.9                        | 19.9     | 807.9                   |
| 30°      | 361.5                        | 19.8     | 827.8                   |
| 31°      | 336.1                        | 19.0     | 846.7                   |
| 32°      | 302.0                        | 17.6     | 864.3                   |
| 33°      | 263.7                        | 15.8     | 880.0                   |
| 34°      | 223.0                        | 13.7     | 893.7                   |
| 35°      | 182.3                        | 11.5     | 905.2                   |
| 36°      | 142.1                        | 9.2      | 914.3                   |
| 37°      | 103.8                        | 6.9      | 921.2                   |
| 38°      | 71.5                         | 4.8      | 926.0                   |
| 39°      | 54.5                         | 3.8      | 929.8                   |
| 40°      | 37.8                         | 2.7      | 932.5                   |
| 41°      | 35.2                         | 2.5      | 935.0                   |
| 42°      | 33.2                         | 2.4      | 937.4                   |
| 43°      | 32.6                         | 2.4      | 939.9                   |
| 44°      | 32.0                         | 2.4      | 942.3                   |
| 45°      | 31.2                         | 2.4      | 944.7                   |
| 46°      | 30.4                         | 2.4      | 947.1                   |

| C-planes | 0°                           | Phi-zone | Total Phi-zone          |
|----------|------------------------------|----------|-------------------------|
| γ        | Luminous intensity in cd/klm |          | Luminous flux in lm/klm |
| 47°      | 29.4                         | 2.4      | 949.5                   |
| 48°      | 28.4                         | 2.3      | 951.8                   |
| 49°      | 27.4                         | 2.3      | 954.1                   |
| 50°      | 26.4                         | 2.2      | 956.3                   |
| 51°      | 25.6                         | 2.2      | 958.5                   |
| 52°      | 24.6                         | 2.1      | 960.6                   |
| 53°      | 23.7                         | 2.1      | 962.6                   |
| 54°      | 22.8                         | 2.0      | 964.7                   |
| 55°      | 21.9                         | 2.0      | 966.6                   |
| 56°      | 20.9                         | 1.9      | 968.5                   |
| 57°      | 20.1                         | 1.8      | 970.4                   |
| 58°      | 19.2                         | 1.8      | 972.2                   |
| 59°      | 18.4                         | 1.7      | 973.9                   |
| 60°      | 17.5                         | 1.7      | 975.6                   |
| 61°      | 16.8                         | 1.6      | 977.2                   |
| 62°      | 15.9                         | 1.5      | 978.7                   |
| 63°      | 15.2                         | 1.5      | 980.2                   |
| 64°      | 14.4                         | 1.4      | 981.6                   |
| 65°      | 13.8                         | 1.4      | 983.0                   |
| 66°      | 13.2                         | 1.3      | 984.3                   |
| 67°      | 12.8                         | 1.3      | 985.6                   |
| 68°      | 12.3                         | 1.3      | 986.9                   |
| 69°      | 11.9                         | 1.2      | 988.1                   |
| 70°      | 11.4                         | 1.2      | 989.3                   |
| 71°      | 11.0                         | 1.1      | 990.4                   |
| 72°      | 10.6                         | 1.1      | 991.5                   |
| 73°      | 10.1                         | 1.1      | 992.6                   |
| 74°      | 9.6                          | 1.0      | 993.6                   |
| 75°      | 9.0                          | 1.0      | 994.5                   |
| 76°      | 8.3                          | 0.9      | 995.4                   |
| 77°      | 7.1                          | 0.8      | 996.2                   |
| 78°      | 6.2                          | 0.7      | 996.8                   |
| 79°      | 5.5                          | 0.6      | 997.4                   |
| 80°      | 4.9                          | 0.5      | 998.0                   |
| 81°      | 4.3                          | 0.5      | 998.4                   |
| 82°      | 3.7                          | 0.4      | 998.8                   |
| 83°      | 3.1                          | 0.3      | 999.2                   |
| 84°      | 2.5                          | 0.3      | 999.4                   |
| 85°      | 2.0                          | 0.2      | 999.7                   |
| 86°      | 1.5                          | 0.2      | 999.8                   |
| 87°      | 1.0                          | 0.1      | 999.9                   |
| 88°      | 0.5                          | 0.1      | 1000.0                  |
| 89°      | 0.1                          | 0.0      | 1000.0                  |
| 90°      | 0.0                          | 0.0      | 1000.0                  |

## Photometric test report

|                                   |   |                              |
|-----------------------------------|---|------------------------------|
| Family<br><b>Spot 21 Modario®</b> | Order number: <b>51SM13MB11A2C</b><br>EAN: <b>4069025531308</b> | LP number<br><b>59885_18</b> |
|-----------------------------------|---|------------------------------|

|                  |                      |               |
|------------------|----------------------|---------------|
| <b>UGR-Table</b> | <b>Standard room</b> | <b>siteco</b> |
|------------------|----------------------|---------------|

|                              |                     |      |      |      |      |                    |      |      |      |      |      |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| 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                  | 20.4 | 21.4 | 20.7 | 21.8 | 22.1               | 20.4 | 21.4 | 20.7 | 21.8 | 22.1 |
|                              | 3H                  | 20.9 | 21.9 | 21.3 | 22.2 | 22.6               | 20.9 | 21.9 | 21.3 | 22.2 | 22.6 |
|                              | 4H                  | 21.3 | 22.2 | 21.7 | 22.5 | 22.9               | 21.3 | 22.2 | 21.7 | 22.5 | 22.9 |
|                              | 6H                  | 21.6 | 22.3 | 22.0 | 22.7 | 23.1               | 21.6 | 22.3 | 22.0 | 22.7 | 23.1 |
|                              | 8H                  | 21.8 | 22.4 | 22.2 | 22.7 | 23.2               | 21.8 | 22.4 | 22.2 | 22.7 | 23.2 |
|                              | 12H                 | 21.8 | 22.3 | 22.2 | 22.7 | 23.2               | 21.8 | 22.3 | 22.2 | 22.7 | 23.2 |
| 4H                           | 2H                  | 20.5 | 21.3 | 20.9 | 21.7 | 22.1               | 20.5 | 21.3 | 20.9 | 21.7 | 22.1 |
|                              | 3H                  | 21.3 | 22.0 | 21.7 | 22.4 | 22.8               | 21.3 | 22.0 | 21.7 | 22.4 | 22.8 |
|                              | 4H                  | 21.8 | 22.4 | 22.2 | 22.8 | 23.3               | 21.8 | 22.4 | 22.2 | 22.8 | 23.3 |
|                              | 6H                  | 22.1 | 22.7 | 22.6 | 23.1 | 23.6               | 22.1 | 22.7 | 22.6 | 23.1 | 23.6 |
|                              | 8H                  | 22.3 | 22.7 | 22.7 | 23.2 | 23.6               | 22.3 | 22.7 | 22.7 | 23.2 | 23.6 |
|                              | 12H                 | 22.3 | 22.7 | 22.8 | 23.2 | 23.7               | 22.3 | 22.7 | 22.8 | 23.2 | 23.7 |
| 8H                           | 4H                  | 21.9 | 22.4 | 22.4 | 22.8 | 23.3               | 21.9 | 22.4 | 22.4 | 22.8 | 23.3 |
|                              | 6H                  | 22.4 | 22.7 | 22.9 | 23.2 | 23.7               | 22.4 | 22.7 | 22.9 | 23.2 | 23.7 |
|                              | 8H                  | 22.5 | 22.8 | 23.0 | 23.3 | 23.9               | 22.5 | 22.8 | 23.0 | 23.3 | 23.9 |
|                              | 12H                 | 22.7 | 22.9 | 23.2 | 23.4 | 24.0               | 22.7 | 22.9 | 23.2 | 23.4 | 24.0 |
| 12H                          | 4H                  | 22.0 | 22.3 | 22.5 | 22.8 | 23.3               | 22.0 | 22.3 | 22.5 | 22.8 | 23.3 |
|                              | 6H                  | 22.4 | 22.7 | 22.9 | 23.2 | 23.7               | 22.4 | 22.7 | 22.9 | 23.2 | 23.7 |
|                              | 8H                  | 22.6 | 22.8 | 23.1 | 23.3 | 23.9               | 22.6 | 22.8 | 23.1 | 23.3 | 23.9 |

|                        |   |   |
|------------------------|---|---|
| <b>Luminance table</b> | <b>Max. for <math>\gamma \geq 65^\circ</math></b> | <b>Photometric dimensions in mm: D = 85</b> |
|------------------------|---|---|

|                 |                                      |
|-----------------|--------------------------------------|
| <b>C-planes</b> | <b>0°</b>                            |
| $\gamma$        | <b>Luminance in cd/m<sup>2</sup></b> |
| 45°             | 30039.4                              |
| 50°             | 27951.8                              |
| 55°             | 25965.3                              |
| 60°             | 23831.4                              |
| 65°             | 22244.3                              |
| 70°             | 22770.7                              |
| 75°             | 23701.4                              |
| 80°             | 19175.3                              |
| 85°             | 15562.8                              |

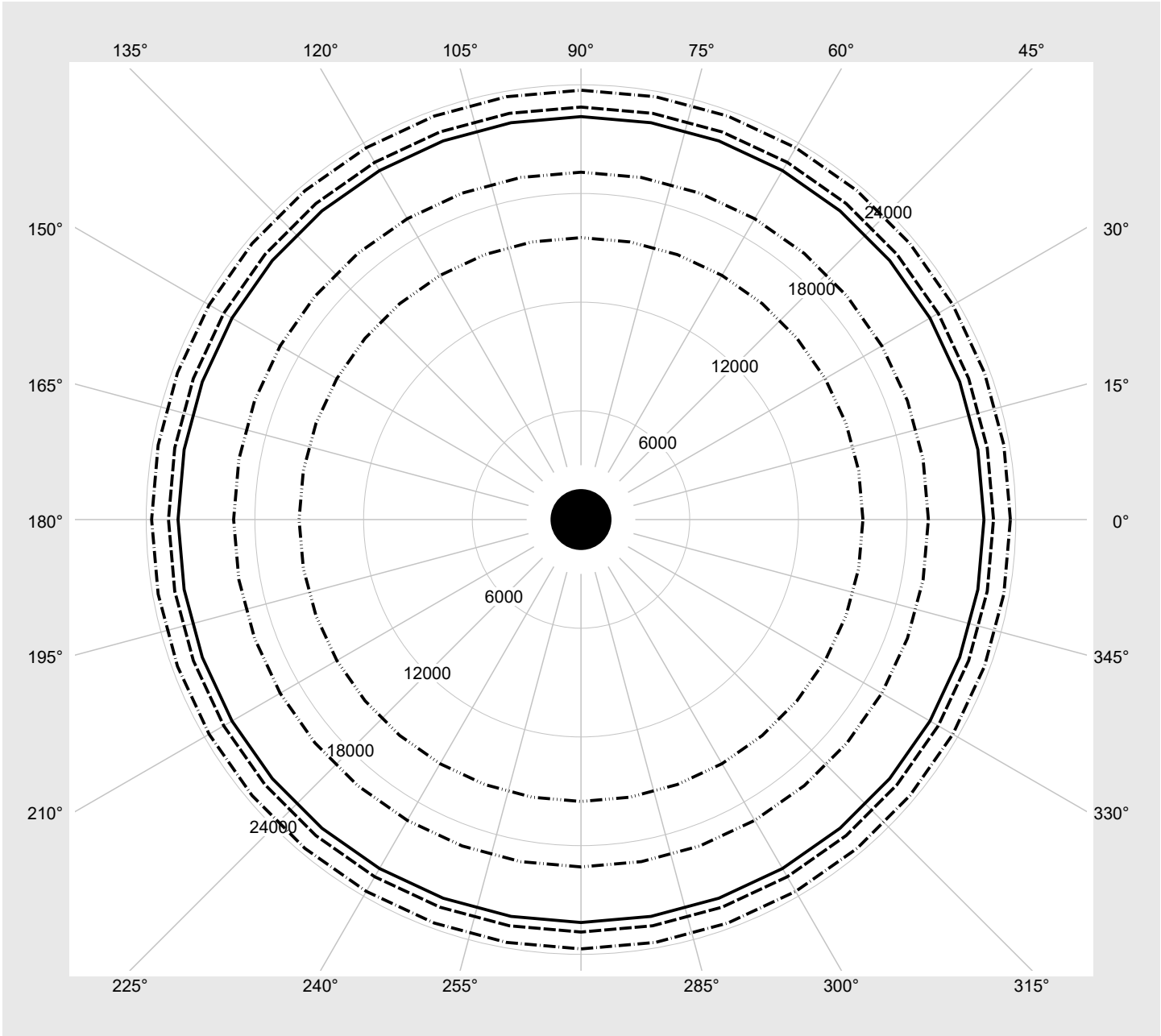
**Photometric test report**

|                                   |   |                              |
|-----------------------------------|---|------------------------------|
| <b>Family</b><br>Spot 21 Modario® | <b>Order number: 51SM13MB11A2C</b><br><b>EAN: 4069025531308</b> | <b>LP number</b><br>59885_18 |
|-----------------------------------|---|------------------------------|

**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

**siteco**



## Photometric test report

|                                   |   |                              |
|-----------------------------------|---|------------------------------|
| Family<br><b>Spot 21 Modario®</b> | Order number: <b>51SM13MB11A2C</b><br>EAN: <b>4069025531308</b> | LP number<br><b>59885_18</b> |
|-----------------------------------|---|------------------------------|

|                         |                                 |               |
|-------------------------|---------------------------------|---------------|
| <b>Multilumen Table</b> | environmental temperature: 25°C | <b>siteco</b> |
|-------------------------|---------------------------------|---------------|

| DIP-Step | Switch Setting |     |     |     | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|-----|--------------------|-----------------------|
|          | 1              | 2   | 3   | 4   |                    |                       |
| 15       | ON             | ON  | ON  | ON  | 5000               | 40.4                  |
| 14       | ON             | ON  | ON  | OFF | 4880               | 38.5                  |
| 13       | ON             | ON  | OFF | ON  | 4660               | 36.6                  |
| 12       | ON             | ON  | OFF | OFF | 4480               | 34.7                  |
| 11       | ON             | OFF | ON  | ON  | 4290               | 32.6                  |
| 10       | ON             | OFF | ON  | OFF | 4090               | 30.7                  |
| 9        | ON             | OFF | OFF | ON  | 3860               | 28.7                  |
| 8        | ON             | OFF | OFF | OFF | 3670               | 26.8                  |
| 7        | OFF            | ON  | ON  | ON  | 3360               | 24.3                  |
| 6        | OFF            | ON  | ON  | OFF | 3080               | 22.4                  |
| 5        | OFF            | ON  | OFF | ON  | 2900               | 20.6                  |
| 4        | OFF            | ON  | OFF | OFF | 2660               | 18.7                  |
| 3        | OFF            | OFF | ON  | ON  | 2410               | 16.6                  |
| 2        | OFF            | OFF | ON  | OFF | 2130               | 14.8                  |
| 1        | OFF            | OFF | OFF | ON  | 1890               | 13.0                  |
| 0        | OFF            | OFF | OFF | OFF | 1540               | 11.2                  |