

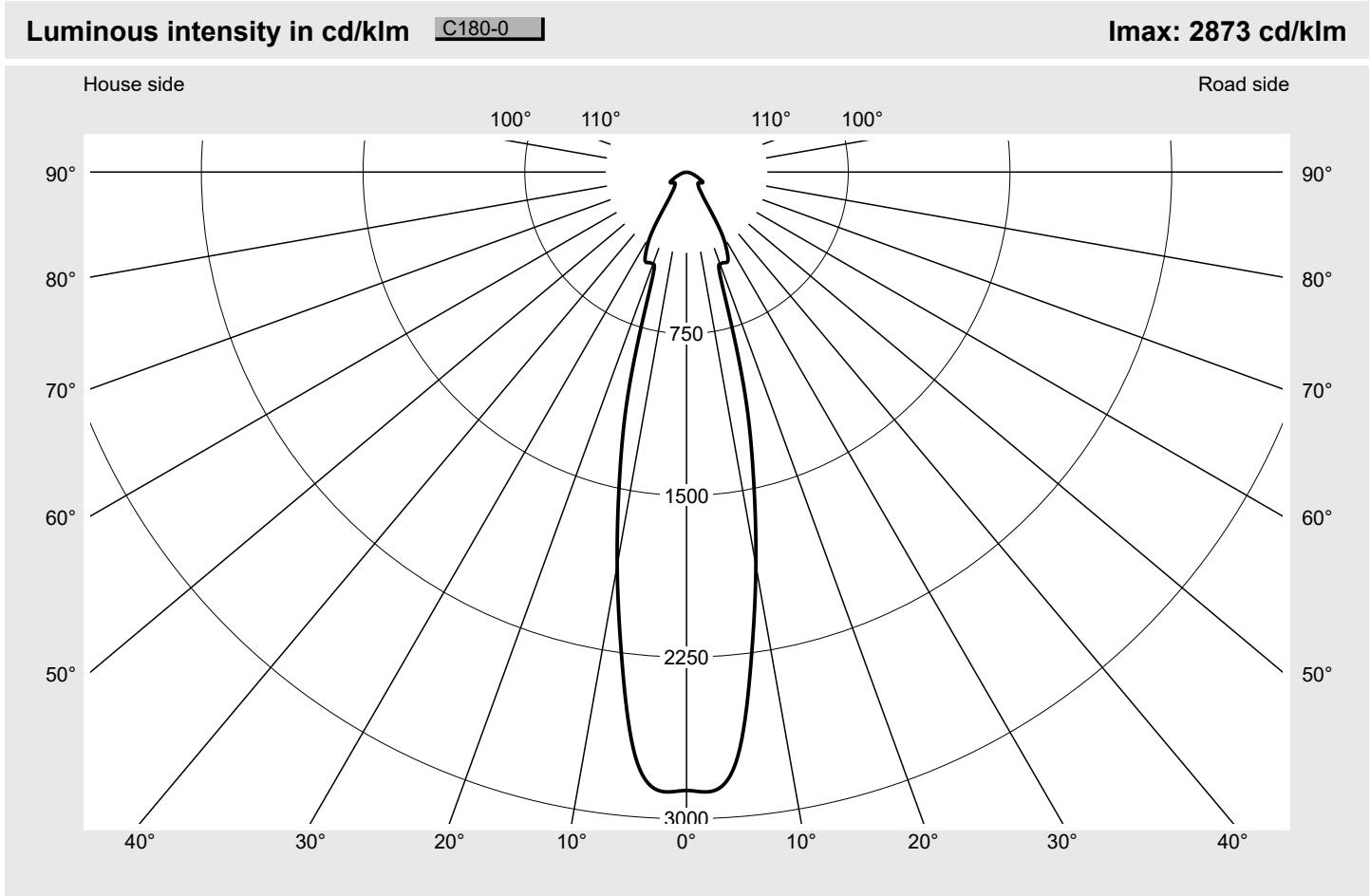


# Photometric test report

|  |   |  |
|--|---|--|
| <b>Family</b><br><b>Floodlight FL21 mini</b> | <b>Order number: 5XA7772D1B1A</b><br><b>EAN: 4058352655801</b>  | <b>LP number</b><br><b>59238_68</b>              |
|  | <b>Version</b> mounting bracket<br><b>Optic</b> symmetric distribution RS12<br><b>Cover</b> toughened safety glass<br><b>Lamps</b> LED 2200 K   CRI ≥ 70<br><b>Controlgear</b> ECG SITECO iQ<br><b>Rated values</b> Net luminous flux = 14920 lm<br>Power consumption = 143.0 W<br>Luminous efficacy = 104.3 lm/W | <b>serial documentation</b><br><b>26.08.2022</b> |







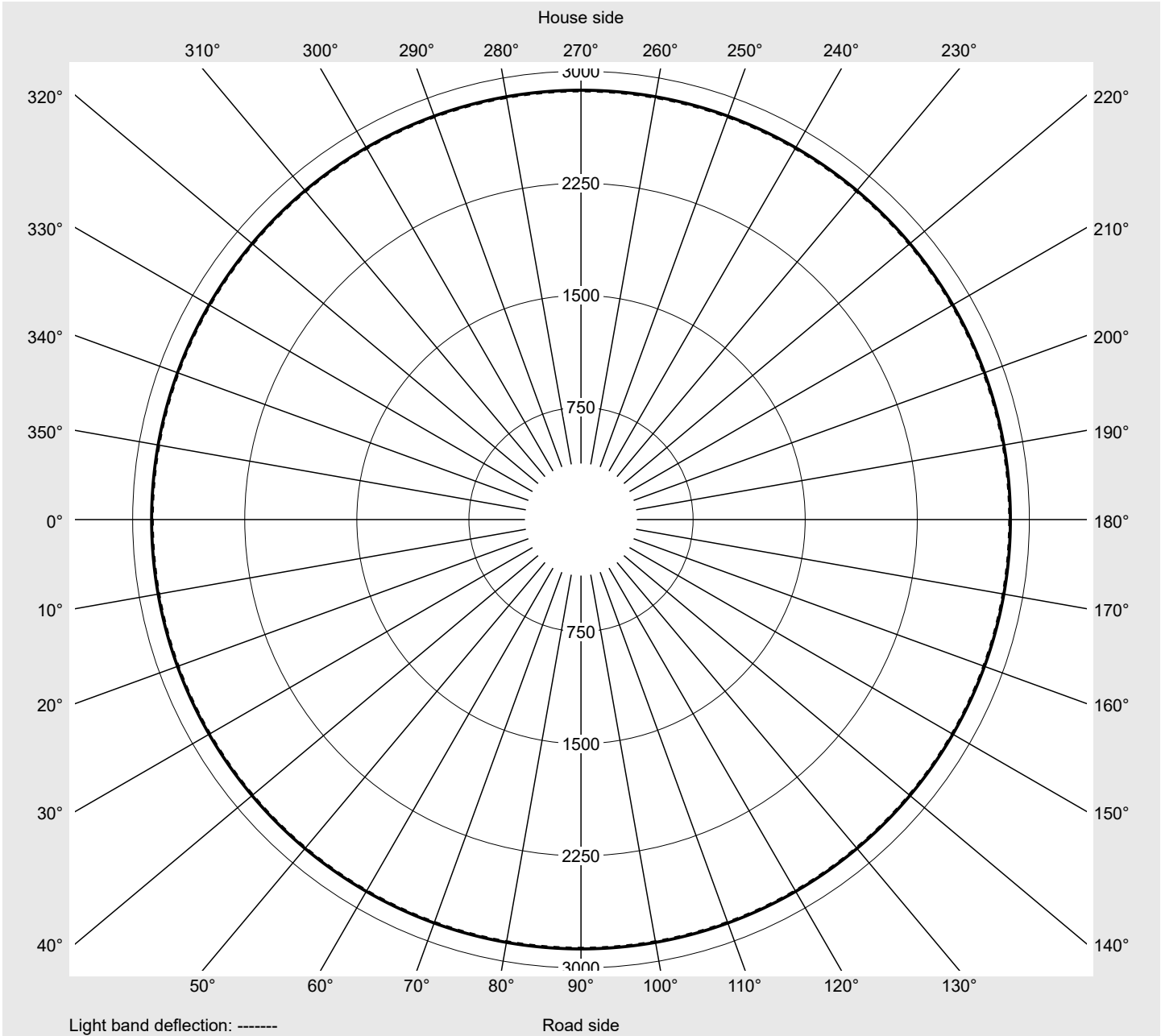
| Luminaire output ratios   |        |
|---------------------------|--------|
| Eta                       | 100.0% |
| Eta 0° - 90°              | 100.0% |
| Eta 90° - 180°            | 0.0%   |
| Measurement conditions    |        |
| DIN EN 13032 and DIN 5032 |        |

| Luminous intensity class acc. to EN13201-2 |      |
|--|------|
| Class:                                     | G6   |
| Imax 70°                                   | 36.4 |
| Imax 80°                                   | 9.1  |
| Imax 90°                                   | 0.0  |
| Imax >90°                                  | 0.0  |
| Imax >95°                                  | 0.0  |

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|                                       |  |                              |
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**Envelope curve in cd/klm** KMK 2.5°  KMK 0°  siteco



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|   |                                   |
|---|-----------------------------------|
| <b>Table of values for luminous intensities</b> | <b>Maximum luminous intensity</b> |
|---|-----------------------------------|

| C-planes | 0°                           | Phi-zone | Total Phi-zone          |
|----------|------------------------------|----------|-------------------------|
| $\gamma$ | Luminous intensity in cd/klm |          | Luminous flux in lm/klm |
| 0,0°     | 2868.8                       | 4.3      | 4.3                     |
| 2,5°     | 2873.2                       | 34.4     | 38.6                    |
| 5,0°     | 2722.5                       | 65.0     | 103.7                   |
| 7,5°     | 2292.0                       | 82.0     | 185.7                   |
| 10,0°    | 1852.6                       | 88.2     | 273.9                   |
| 12,5°    | 1427.9                       | 84.7     | 358.6                   |
| 15,0°    | 1018.5                       | 72.3     | 430.9                   |
| 17,5°    | 552.2                        | 45.5     | 476.4                   |
| 20,0°    | 453.7                        | 42.5     | 518.9                   |
| 22,5°    | 454.7                        | 47.7     | 566.6                   |
| 25,0°    | 454.2                        | 52.6     | 619.2                   |
| 27,5°    | 400.1                        | 50.6     | 669.9                   |
| 30,0°    | 317.0                        | 43.5     | 713.3                   |
| 32,5°    | 178.5                        | 26.3     | 739.6                   |
| 35,0°    | 121.9                        | 19.2     | 758.8                   |
| 37,5°    | 96.3                         | 16.1     | 774.9                   |
| 40,0°    | 86.4                         | 15.2     | 790.1                   |
| 42,5°    | 78.8                         | 14.6     | 804.7                   |
| 45,0°    | 75.0                         | 14.5     | 819.2                   |
| 47,5°    | 74.2                         | 15.0     | 834.2                   |
| 50,0°    | 76.8                         | 16.1     | 850.4                   |
| 52,5°    | 82.1                         | 17.9     | 868.2                   |
| 55,0°    | 87.5                         | 19.7     | 887.9                   |
| 57,5°    | 89.5                         | 20.7     | 908.6                   |
| 60,0°    | 83.0                         | 19.7     | 928.3                   |
| 62,5°    | 67.2                         | 16.3     | 944.6                   |
| 65,0°    | 57.1                         | 14.2     | 958.8                   |
| 67,5°    | 43.9                         | 11.1     | 969.9                   |
| 70,0°    | 36.4                         | 9.4      | 979.3                   |
| 72,5°    | 27.1                         | 7.1      | 986.4                   |
| 75,0°    | 21.2                         | 5.6      | 992.0                   |
| 77,5°    | 13.7                         | 3.7      | 995.6                   |
| 80,0°    | 9.1                          | 2.5      | 998.1                   |
| 82,5°    | 4.7                          | 1.3      | 999.4                   |
| 85,0°    | 1.8                          | 0.5      | 999.9                   |
| 87,5°    | 0.5                          | 0.1      | 1000.0                  |
| 90,0°    | 0.0                          | 0.0      | 1000.0                  |

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|                             |                                 |               |
|-----------------------------|---------------------------------|---------------|
| <b>Dimming levels table</b> | environmental temperature: 25°C | <b>siteco</b> |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] | Power consumption [W] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|-----------------------|-----------------------|
|                 |                      |                           |                    | start of lifetime     | end of lifetime       | average               |
| 100             | 254                  | 254                       | 14920              | 143.0                 | 151.5                 | 147.2                 |
| 95              | 241                  | 252                       | 14156              | 132.7                 | 140.6                 | 136.6                 |
| 90              | 229                  | 250                       | 13451              | 123.7                 | 131.0                 | 127.4                 |
| 85              | 216                  | 248                       | 12688              | 114.4                 | 121.1                 | 117.8                 |
| 80              | 203                  | 246                       | 11924              | 105.5                 | 111.7                 | 108.6                 |
| 75              | 190                  | 243                       | 11161              | 97.1                  | 102.6                 | 99.8                  |
| 70              | 178                  | 241                       | 10456              | 89.7                  | 94.7                  | 92.2                  |
| 65              | 165                  | 238                       | 9692               | 81.8                  | 86.4                  | 84.1                  |
| 60              | 152                  | 235                       | 8929               | 74.2                  | 78.4                  | 76.3                  |
| 55              | 140                  | 232                       | 8224               | 67.6                  | 71.3                  | 69.4                  |
| 50              | 127                  | 229                       | 7460               | 60.5                  | 63.8                  | 62.2                  |
| 45              | 114                  | 225                       | 6696               | 53.7                  | 56.6                  | 55.2                  |
| 40              | 102                  | 221                       | 5991               | 47.5                  | 50.1                  | 48.8                  |
| 35              | 89                   | 216                       | 5228               | 41.0                  | 43.2                  | 42.1                  |
| 30              | 76                   | 210                       | 4464               | 34.7                  | 36.6                  | 35.7                  |
| 25              | 63                   | 203                       | 3701               | 28.7                  | 30.2                  | 29.4                  |
| 20              | 51                   | 195                       | 2996               | 23.4                  | 24.5                  | 24.0                  |
| 15              | 38                   | 184                       | 2232               | 17.8                  | 18.6                  | 18.2                  |
| 11              | 28                   | 173                       | 1645               | 13.5                  | 14.1                  | 13.8                  |