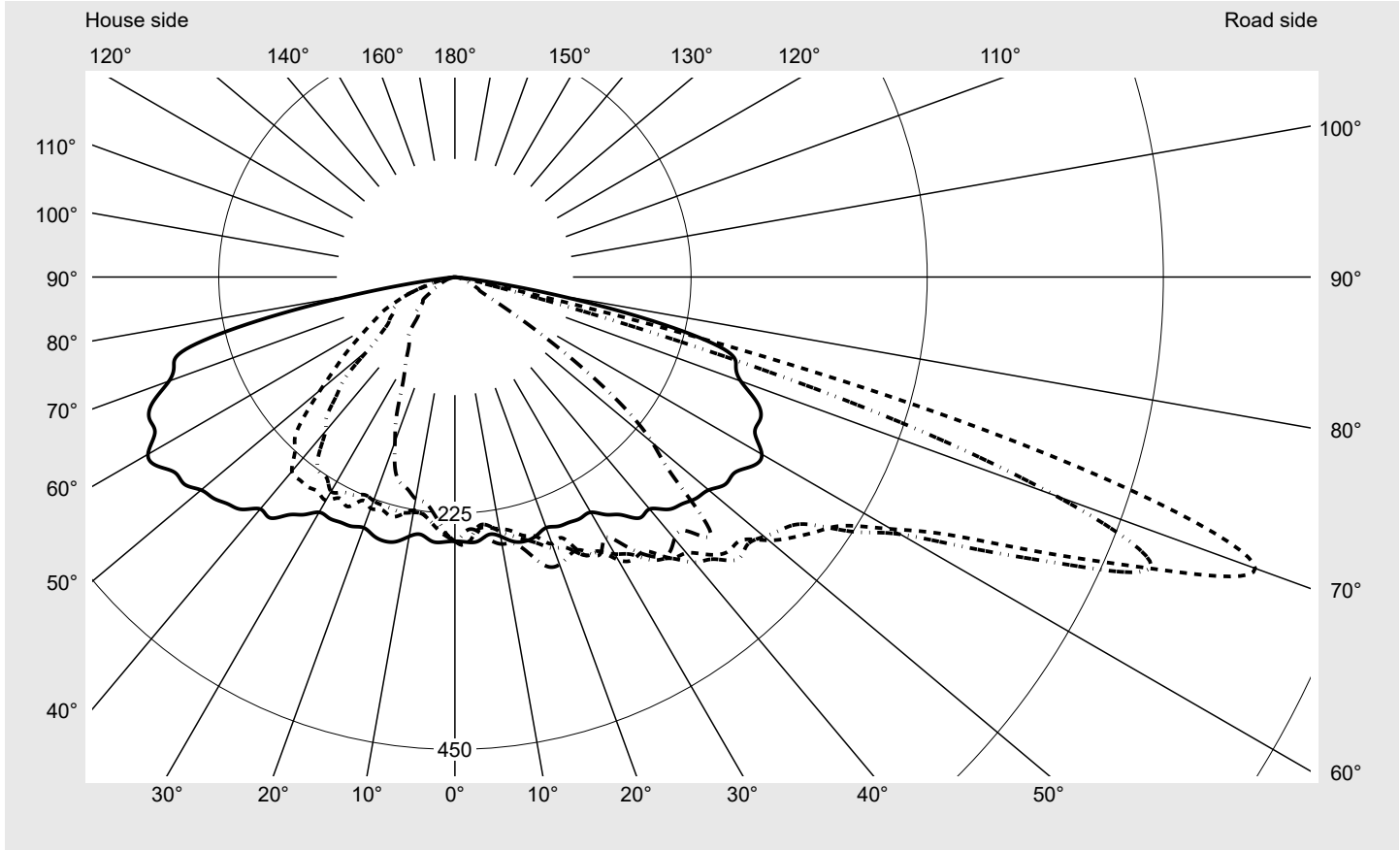


# Photometric test report

|  |   |  |
|--|---|--|
| <b>Family</b><br><b>Streetlight 21 micro LED</b> | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b>  | <b>LP number</b><br><b>59152_1222</b>            |
|  | <b>Version</b> post-top or side-entry mounting, Smart Interface down<br><b>Optic</b> asymmetric, wide distribution (ST1.0a), Back Light Control (BLC)<br><b>Cover</b> toughened safety glass<br><b>Lamps</b> LED 3000 K   CRI ≥ 70<br><b>Controlgear</b> EVG SITECO iQ - Smart Interface<br><b>Rated values</b> Net luminous flux = 4490 lm<br>Power consumption = 39.1 W<br>Luminous efficacy = 114.8 lm/W | <b>serial documentation</b><br><b>11.08.2023</b> |



**Luminous intensity in cd/klm** C180-0 C205-25 C210-30 C270-90 **Imax: 811 cd/klm**



| Luminaire output ratios |        |
|-------------------------|--------|
| Eta                     | 100.0% |
| Eta 0° - 90°            | 100.0% |
| Eta 90° - 180°          | 0.0%   |

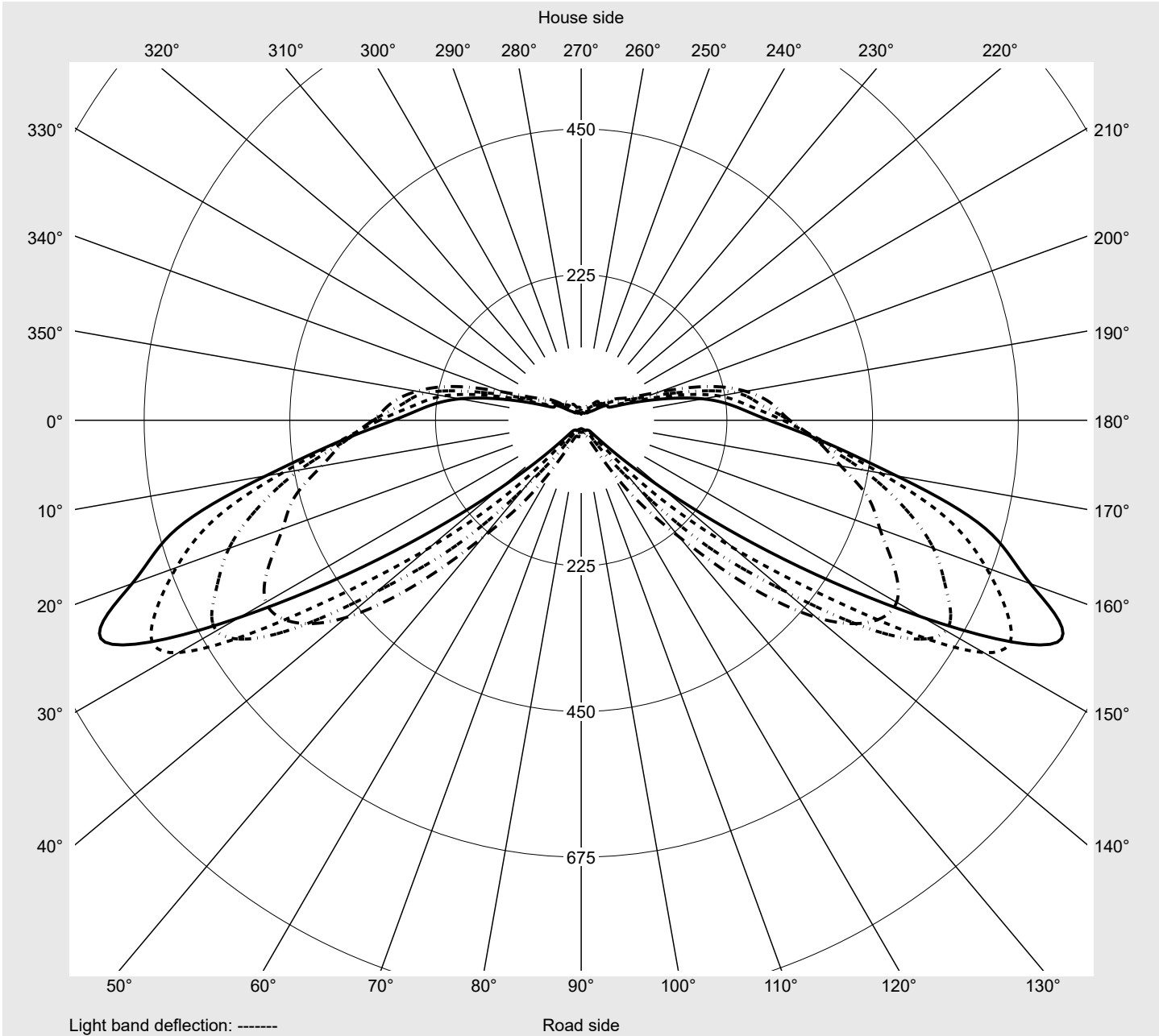
| Luminous intensity class acc. to EN13201-2 |       |
|--|-------|
| Class:                                     | G3    |
| Imax 70°                                   | 811.4 |
| Imax 80°                                   | 97.1  |
| Imax 90°                                   | 0.0   |
| Imax >90°                                  | 0.0   |
| Imax >95°                                  | 0.0   |

**Measurement conditions**  
DIN EN 13032 and DIN 5032

**Photometric test report**

|   |  |                                |
|---|--|--------------------------------|
| <b>Family</b><br>Streetlight 21 micro LED | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br>59152_1222 |
|---|--|--------------------------------|

**Envelope curve in cd/klm**      **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**      **siteco**



## Photometric test report

|   |  |                                   |
|---|--|-----------------------------------|
| <b>Family</b><br>Streetlight 21 micro LED       | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br>59152_1222    |
| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b> |
|   |  |                                   |

**siteco**

| C-planes | 0°<br>180°                   | 5°<br>175° | 10°<br>170° | 15°<br>165° | 20°<br>160° | 25°<br>155° | 30°<br>150° | 35°<br>145° | 40°<br>140° | 45°<br>135° | 50°<br>130° | 55°<br>125° | 60°<br>120° |
|----------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $\gamma$ | Luminous intensity in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 0,0°     | 251.7                        | 251.7      | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       | 251.7       |
| 2,5°     | 252.7                        | 252.6      | 255.1       | 255.9       | 254.5       | 255.0       | 254.0       | 252.2       | 251.7       | 247.4       | 245.6       | 244.7       | 243.6       |
| 5,0°     | 252.7                        | 247.6      | 244.8       | 246.2       | 244.1       | 242.4       | 239.8       | 236.2       | 239.7       | 236.4       | 232.5       | 233.6       | 234.3       |
| 7,5°     | 247.5                        | 246.2      | 247.0       | 241.4       | 241.5       | 240.8       | 238.5       | 238.2       | 237.0       | 239.8       | 242.0       | 244.4       | 244.4       |
| 10,0°    | 250.9                        | 251.6      | 254.7       | 244.8       | 240.1       | 243.6       | 246.0       | 248.9       | 247.1       | 245.5       | 243.2       | 248.5       | 256.4       |
| 12,5°    | 258.1                        | 251.0      | 248.5       | 247.9       | 244.5       | 247.6       | 252.4       | 251.2       | 250.3       | 256.2       | 259.5       | 260.6       | 263.5       |
| 15,0°    | 260.4                        | 253.2      | 248.3       | 249.4       | 250.9       | 255.1       | 259.0       | 261.5       | 258.8       | 265.7       | 270.2       | 267.9       | 269.6       |
| 17,5°    | 258.3                        | 257.3      | 247.8       | 248.7       | 251.9       | 259.5       | 266.5       | 266.0       | 275.2       | 277.4       | 277.3       | 277.8       | 286.1       |
| 20,0°    | 254.1                        | 250.5      | 251.9       | 255.9       | 262.1       | 270.4       | 275.0       | 276.8       | 276.7       | 279.1       | 278.4       | 285.9       | 281.5       |
| 22,5°    | 257.0                        | 252.2      | 255.3       | 268.1       | 272.7       | 269.3       | 279.3       | 285.9       | 287.4       | 287.8       | 284.5       | 282.2       | 286.1       |
| 25,0°    | 257.8                        | 257.2      | 270.3       | 273.8       | 283.2       | 292.2       | 292.5       | 297.3       | 302.1       | 298.9       | 293.3       | 289.8       | 292.8       |
| 27,5°    | 259.1                        | 258.9      | 269.3       | 275.9       | 290.3       | 294.3       | 295.3       | 301.0       | 295.9       | 293.4       | 289.9       | 296.4       | 293.1       |
| 30,0°    | 258.8                        | 273.0      | 282.5       | 292.7       | 295.7       | 311.0       | 304.7       | 312.4       | 300.4       | 305.3       | 301.8       | 299.0       | 302.9       |
| 32,5°    | 268.4                        | 281.3      | 284.7       | 297.6       | 311.2       | 318.2       | 313.4       | 319.9       | 315.8       | 313.8       | 308.7       | 313.3       | 302.9       |
| 35,0°    | 276.6                        | 287.2      | 295.6       | 296.7       | 309.7       | 318.9       | 329.3       | 329.7       | 312.6       | 320.8       | 315.6       | 320.8       | 316.5       |
| 37,5°    | 289.2                        | 297.8      | 300.2       | 316.3       | 319.7       | 337.4       | 337.7       | 332.8       | 327.5       | 323.7       | 318.9       | 318.2       | 332.2       |
| 40,0°    | 288.5                        | 305.0      | 310.1       | 313.4       | 327.9       | 343.2       | 354.8       | 344.9       | 337.5       | 333.4       | 324.7       | 347.2       | 341.1       |
| 42,5°    | 300.3                        | 309.6      | 317.1       | 332.9       | 343.7       | 358.8       | 364.5       | 353.0       | 347.4       | 337.7       | 344.4       | 349.5       | 356.9       |
| 45,0°    | 305.8                        | 317.1      | 325.5       | 333.0       | 349.1       | 369.1       | 380.6       | 362.0       | 354.6       | 368.9       | 366.8       | 388.4       | 383.2       |
| 47,5°    | 312.0                        | 313.3      | 325.1       | 341.9       | 368.3       | 370.8       | 377.7       | 368.2       | 368.3       | 388.5       | 397.5       | 390.1       | 382.7       |
| 50,0°    | 315.7                        | 324.5      | 327.1       | 342.0       | 370.4       | 390.2       | 384.7       | 382.7       | 398.7       | 421.6       | 412.3       | 380.7       | 354.1       |
| 52,5°    | 324.5                        | 324.8      | 337.8       | 340.4       | 373.5       | 407.0       | 394.1       | 398.2       | 435.2       | 435.4       | 412.2       | 358.0       | 310.7       |
| 55,0°    | 325.2                        | 339.0      | 343.2       | 354.4       | 370.6       | 422.3       | 410.7       | 440.5       | 443.3       | 424.3       | 372.3       | 320.6       | 285.2       |
| 57,5°    | 335.5                        | 346.3      | 354.6       | 362.1       | 389.2       | 440.8       | 451.8       | 462.3       | 460.2       | 409.5       | 351.4       | 299.4       | 233.2       |
| 60,0°    | 337.7                        | 358.8      | 382.6       | 394.8       | 422.9       | 480.1       | 490.2       | 493.0       | 465.8       | 401.4       | 305.0       | 234.6       | 170.2       |
| 62,5°    | 322.3                        | 366.3      | 407.2       | 458.3       | 491.0       | 532.4       | 562.5       | 543.7       | 474.1       | 356.4       | 235.0       | 151.7       | 80.7        |
| 65,0°    | 320.9                        | 365.9      | 441.4       | 515.0       | 579.1       | 622.5       | 650.4       | 576.3       | 411.2       | 274.5       | 136.3       | 61.5        | 26.5        |
| 67,5°    | 311.5                        | 375.7      | 468.6       | 584.1       | 665.5       | 729.3       | 718.0       | 501.2       | 307.7       | 161.4       | 52.8        | 22.8        | 20.7        |
| 70,0°    | 289.9                        | 375.0      | 494.5       | 646.3       | 738.3       | 811.4       | 609.3       | 353.6       | 163.9       | 60.9        | 24.9        | 18.9        | 17.3        |
| 72,5°    | 280.7                        | 388.9      | 529.3       | 634.1       | 740.9       | 675.2       | 389.9       | 143.3       | 60.4        | 27.9        | 16.8        | 16.0        | 15.2        |
| 75,0°    | 265.2                        | 365.2      | 466.4       | 531.9       | 584.7       | 383.0       | 130.8       | 41.7        | 27.5        | 17.8        | 14.0        | 12.8        | 11.6        |
| 77,5°    | 192.5                        | 248.8      | 264.2       | 279.3       | 239.7       | 78.3        | 24.8        | 16.9        | 12.2        | 9.5         | 10.3        | 8.9         | 7.8         |
| 80,0°    | 95.5                         | 89.9       | 86.1        | 97.1        | 65.8        | 14.7        | 10.3        | 5.9         | 5.3         | 5.7         | 6.8         | 5.1         | 5.0         |
| 82,5°    | 25.0                         | 19.4       | 13.4        | 7.5         | 11.9        | 4.8         | 3.8         | 3.1         | 3.0         | 2.4         | 2.7         | 2.7         | 2.2         |
| 85,0°    | 1.0                          | 1.6        | 1.6         | 1.3         | 1.4         | 1.6         | 1.4         | 1.2         | 1.4         | 0.9         | 1.2         | 0.9         | 1.0         |
| 87,5°    | 0.4                          | 0.4        | 0.4         | 0.5         | 0.5         | 0.5         | 0.3         | 0.6         | 0.5         | 0.4         | 0.4         | 0.4         | 0.4         |
| 90,0°    | 0.0                          | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |

## Photometric test report

|   |  |                                   |
|---|--|-----------------------------------|
| <b>Family</b><br>Streetlight 21 micro LED       | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br>59152_1222    |
| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b> |
|   |  |                                   |



| C-planes | 65°<br>115°                  | 70°<br>110° | 75°<br>105° | 80°<br>100° | 85°<br>95° | 90°   | 185°<br>355° | 190°<br>350° | 195°<br>345° | 200°<br>340° | 205°<br>335° | 210°<br>330° | 215°<br>325° |
|----------|------------------------------|-------------|-------------|-------------|------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\gamma$ | Luminous intensity in cd/klm |             |             |             |            |       |              |              |              |              |              |              |              |
| 0,0°     | 251.7                        | 251.7       | 251.7       | 251.7       | 251.7      | 251.7 | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        |
| 2,5°     | 243.6                        | 243.2       | 243.3       | 241.2       | 240.5      | 242.2 | 250.2        | 248.9        | 247.1        | 245.4        | 245.5        | 243.3        | 240.0        |
| 5,0°     | 234.1                        | 234.7       | 239.6       | 243.4       | 242.3      | 242.8 | 249.9        | 251.9        | 245.5        | 241.3        | 236.8        | 236.2        | 233.4        |
| 7,5°     | 243.7                        | 243.8       | 244.1       | 247.6       | 248.9      | 252.1 | 248.0        | 241.8        | 234.4        | 231.7        | 228.2        | 228.4        | 225.5        |
| 10,0°    | 257.2                        | 254.6       | 250.4       | 251.4       | 252.5      | 258.3 | 242.9        | 242.6        | 235.3        | 228.9        | 225.6        | 227.8        | 225.5        |
| 12,5°    | 261.6                        | 262.7       | 263.6       | 260.7       | 258.4      | 260.1 | 257.9        | 249.1        | 241.8        | 233.6        | 231.4        | 229.9        | 224.5        |
| 15,0°    | 273.9                        | 274.4       | 275.1       | 277.9       | 277.1      | 272.5 | 263.7        | 252.8        | 241.7        | 241.0        | 236.1        | 228.8        | 219.4        |
| 17,5°    | 276.7                        | 270.5       | 275.6       | 275.9       | 279.5      | 288.6 | 260.3        | 251.3        | 244.9        | 237.3        | 232.4        | 228.0        | 216.6        |
| 20,0°    | 285.2                        | 286.3       | 287.4       | 283.7       | 284.5      | 291.4 | 254.3        | 265.1        | 245.3        | 240.9        | 234.4        | 226.8        | 227.8        |
| 22,5°    | 290.7                        | 287.8       | 282.6       | 280.9       | 284.6      | 286.4 | 258.8        | 258.1        | 247.1        | 240.8        | 230.3        | 224.6        | 223.8        |
| 25,0°    | 290.9                        | 287.2       | 284.9       | 293.2       | 285.2      | 287.3 | 253.7        | 262.3        | 252.9        | 244.0        | 241.3        | 229.1        | 223.8        |
| 27,5°    | 289.3                        | 299.7       | 289.5       | 293.7       | 287.8      | 298.4 | 247.8        | 259.9        | 263.0        | 254.6        | 237.6        | 231.2        | 222.7        |
| 30,0°    | 304.3                        | 292.9       | 297.5       | 300.8       | 300.7      | 286.7 | 261.7        | 260.3        | 261.4        | 242.3        | 245.5        | 235.9        | 219.5        |
| 32,5°    | 305.9                        | 308.9       | 297.2       | 312.5       | 307.7      | 304.5 | 270.7        | 266.6        | 261.3        | 257.8        | 242.7        | 227.1        | 210.7        |
| 35,0°    | 312.3                        | 315.7       | 323.4       | 321.9       | 326.7      | 324.5 | 274.1        | 271.0        | 269.6        | 262.0        | 244.2        | 226.0        | 186.2        |
| 37,5°    | 342.6                        | 338.0       | 331.5       | 344.3       | 331.4      | 333.1 | 273.8        | 276.4        | 276.8        | 258.8        | 243.4        | 213.1        | 165.6        |
| 40,0°    | 350.0                        | 346.7       | 344.9       | 344.4       | 337.9      | 325.4 | 288.1        | 279.6        | 275.1        | 264.7        | 241.7        | 191.8        | 147.8        |
| 42,5°    | 364.9                        | 348.0       | 345.2       | 345.9       | 342.0      | 328.4 | 291.2        | 281.7        | 286.2        | 261.6        | 225.5        | 181.1        | 134.3        |
| 45,0°    | 364.0                        | 353.2       | 344.2       | 344.8       | 339.4      | 344.7 | 297.8        | 279.5        | 275.9        | 253.2        | 215.4        | 159.3        | 121.5        |
| 47,5°    | 357.3                        | 337.5       | 304.9       | 296.2       | 280.5      | 284.0 | 305.0        | 284.6        | 285.2        | 249.7        | 192.9        | 141.3        | 109.9        |
| 50,0°    | 314.0                        | 275.9       | 263.2       | 255.3       | 247.2      | 245.9 | 311.3        | 293.6        | 273.0        | 229.3        | 166.9        | 107.3        | 88.1         |
| 52,5°    | 278.1                        | 253.7       | 229.4       | 220.1       | 205.6      | 201.2 | 315.6        | 297.5        | 264.7        | 208.9        | 144.9        | 89.3         | 79.1         |
| 55,0°    | 239.5                        | 201.5       | 165.8       | 154.9       | 144.9      | 137.0 | 312.2        | 294.2        | 259.8        | 194.6        | 127.1        | 78.0         | 74.1         |
| 57,5°    | 183.6                        | 138.9       | 110.6       | 88.6        | 79.1       | 74.1  | 313.5        | 287.5        | 236.2        | 170.2        | 109.8        | 73.2         | 66.2         |
| 60,0°    | 111.5                        | 71.4        | 46.5        | 37.5        | 35.2       | 32.8  | 311.2        | 271.5        | 216.0        | 147.6        | 95.5         | 67.8         | 62.2         |
| 62,5°    | 42.8                         | 28.4        | 25.5        | 26.0        | 25.5       | 25.7  | 295.3        | 257.9        | 201.5        | 127.0        | 83.6         | 67.2         | 53.8         |
| 65,0°    | 23.4                         | 23.1        | 22.8        | 23.5        | 21.6       | 21.4  | 278.4        | 243.5        | 170.0        | 104.7        | 73.6         | 60.2         | 48.1         |
| 67,5°    | 20.9                         | 19.5        | 18.9        | 18.8        | 18.6       | 18.7  | 259.7        | 216.3        | 148.1        | 85.9         | 59.1         | 57.9         | 41.2         |
| 70,0°    | 17.3                         | 16.9        | 14.9        | 14.9        | 13.3       | 13.2  | 239.7        | 190.8        | 125.8        | 74.2         | 47.9         | 45.9         | 33.0         |
| 72,5°    | 14.5                         | 13.7        | 11.8        | 11.8        | 9.4        | 10.7  | 215.6        | 168.6        | 110.3        | 54.9         | 29.2         | 33.4         | 25.5         |
| 75,0°    | 10.2                         | 9.6         | 8.6         | 7.6         | 7.1        | 8.2   | 187.2        | 114.4        | 77.4         | 24.7         | 20.0         | 22.7         | 19.4         |
| 77,5°    | 6.8                          | 6.5         | 5.6         | 5.4         | 5.0        | 4.8   | 100.2        | 23.1         | 17.9         | 7.8          | 11.3         | 11.5         | 11.8         |
| 80,0°    | 3.9                          | 4.2         | 3.1         | 3.3         | 3.8        | 3.3   | 40.0         | 7.2          | 6.0          | 5.2          | 7.0          | 6.8          | 6.4          |
| 82,5°    | 2.1                          | 2.1         | 1.7         | 2.3         | 1.9        | 1.6   | 10.0         | 3.5          | 3.0          | 2.4          | 3.3          | 3.1          | 2.9          |
| 85,0°    | 0.8                          | 1.0         | 0.6         | 0.7         | 0.6        | 0.6   | 1.5          | 1.2          | 1.1          | 1.1          | 1.1          | 1.3          | 1.1          |
| 87,5°    | 0.4                          | 0.2         | 0.2         | 0.2         | 0.2        | 0.4   | 0.3          | 0.3          | 0.2          | 0.4          | 0.3          | 0.2          | 0.1          |
| 90,0°    | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0        | 0.0   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |

## Photometric test report

|  |  |                                       |
|--|--|---------------------------------------|
| <b>Family</b><br><b>Streetlight 21 micro LED</b> | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br><b>59152_1222</b> |
| <b>Table of values for luminous intensities</b>  |  | <b>Maximum luminous intensity</b>     |
|  |  | <b>sITeCO</b>                         |

| C-planes | 220°<br>320°                 | 225°<br>315° | 230°<br>310° | 235°<br>305° | 240°<br>300° | 245°<br>295° | 250°<br>290° | 255°<br>285° | 260°<br>280° | 265°<br>275° | 270°  | Phi-zone                | Total<br>Phi-zone |
|----------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------------------------|-------------------|
| γ        | Luminous intensity in cd/klm |              |              |              |              |              |              |              |              |              |       | Luminous flux in lm/klm |                   |
| 0,0°     | 251.7                        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7        | 251.7 | 0.4                     | 0.4               |
| 2,5°     | 240.3                        | 241.6        | 238.8        | 237.8        | 237.5        | 239.7        | 242.6        | 244.7        | 244.9        | 242.1        | 241.0 | 2.9                     | 3.3               |
| 5,0°     | 228.5                        | 228.0        | 227.0        | 225.7        | 228.3        | 227.7        | 229.0        | 226.6        | 226.4        | 225.7        | 226.7 | 5.7                     | 9.0               |
| 7,5°     | 228.3                        | 226.6        | 219.5        | 221.8        | 216.9        | 216.1        | 216.6        | 215.9        | 217.8        | 218.5        | 216.7 | 8.4                     | 17.4              |
| 10,0°    | 218.6                        | 215.1        | 214.8        | 214.4        | 213.9        | 212.4        | 209.8        | 207.9        | 207.4        | 213.1        | 214.6 | 11.2                    | 28.6              |
| 12,5°    | 222.9                        | 224.9        | 218.4        | 214.2        | 208.1        | 211.3        | 215.6        | 212.9        | 208.3        | 206.4        | 207.2 | 14.2                    | 42.8              |
| 15,0°    | 213.8                        | 216.2        | 213.4        | 214.0        | 210.7        | 206.1        | 202.7        | 200.1        | 201.7        | 201.8        | 202.6 | 17.2                    | 60.1              |
| 17,5°    | 213.2                        | 212.5        | 216.4        | 210.3        | 205.3        | 203.3        | 199.8        | 189.2        | 192.6        | 193.9        | 189.9 | 20.1                    | 80.2              |
| 20,0°    | 221.3                        | 208.9        | 205.5        | 200.6        | 189.2        | 182.7        | 179.3        | 173.8        | 164.6        | 163.6        | 167.0 | 22.8                    | 102.9             |
| 22,5°    | 220.7                        | 214.8        | 198.3        | 184.9        | 172.2        | 159.3        | 158.7        | 146.8        | 146.8        | 144.1        | 146.6 | 25.2                    | 128.1             |
| 25,0°    | 217.0                        | 197.4        | 182.7        | 161.6        | 153.9        | 143.9        | 140.8        | 132.9        | 136.9        | 126.6        | 121.7 | 27.8                    | 155.9             |
| 27,5°    | 207.1                        | 180.6        | 159.0        | 145.7        | 138.5        | 128.8        | 124.3        | 119.3        | 110.8        | 107.1        | 104.5 | 29.9                    | 185.9             |
| 30,0°    | 187.4                        | 164.9        | 146.0        | 133.8        | 122.6        | 115.2        | 100.8        | 101.8        | 98.2         | 93.7         | 93.5  | 32.4                    | 218.3             |
| 32,5°    | 173.5                        | 148.1        | 134.8        | 114.4        | 104.9        | 102.5        | 95.5         | 91.7         | 86.3         | 82.3         | 83.0  | 35.0                    | 253.3             |
| 35,0°    | 154.6                        | 136.4        | 115.1        | 101.4        | 100.1        | 95.8         | 89.4         | 82.3         | 80.9         | 75.6         | 76.0  | 37.5                    | 290.8             |
| 37,5°    | 136.6                        | 117.1        | 104.1        | 96.7         | 95.3         | 87.5         | 84.6         | 81.1         | 77.0         | 76.2         | 72.8  | 40.4                    | 331.2             |
| 40,0°    | 121.4                        | 107.1        | 99.6         | 91.1         | 89.3         | 82.0         | 77.5         | 73.8         | 68.3         | 66.8         | 65.6  | 42.9                    | 374.0             |
| 42,5°    | 113.6                        | 96.2         | 91.9         | 86.0         | 85.0         | 79.7         | 71.7         | 68.0         | 59.4         | 56.2         | 53.6  | 45.4                    | 419.4             |
| 45,0°    | 100.6                        | 90.9         | 85.7         | 81.0         | 74.3         | 66.6         | 57.9         | 54.8         | 51.6         | 51.5         | 49.7  | 47.7                    | 467.1             |
| 47,5°    | 93.6                         | 83.1         | 73.5         | 70.4         | 63.4         | 53.5         | 51.8         | 47.0         | 51.1         | 49.2         | 51.2  | 48.6                    | 515.7             |
| 50,0°    | 84.1                         | 73.4         | 60.5         | 61.0         | 52.7         | 47.5         | 47.1         | 44.9         | 45.0         | 43.7         | 42.9  | 48.6                    | 564.3             |
| 52,5°    | 75.3                         | 64.9         | 55.6         | 50.1         | 46.6         | 40.8         | 42.4         | 40.3         | 40.5         | 36.3         | 38.4  | 48.6                    | 613.0             |
| 55,0°    | 64.4                         | 54.4         | 47.2         | 42.8         | 42.1         | 38.4         | 38.0         | 35.6         | 33.6         | 34.1         | 36.2  | 47.5                    | 660.5             |
| 57,5°    | 53.1                         | 46.8         | 44.4         | 39.8         | 37.9         | 35.5         | 33.5         | 33.2         | 32.2         | 31.5         | 28.2  | 46.2                    | 706.7             |
| 60,0°    | 44.6                         | 40.4         | 41.3         | 35.5         | 32.0         | 30.9         | 30.1         | 30.0         | 29.4         | 28.7         | 24.4  | 44.7                    | 751.4             |
| 62,5°    | 40.0                         | 38.3         | 37.9         | 30.7         | 28.1         | 26.9         | 22.0         | 20.8         | 20.6         | 19.4         | 17.2  | 44.1                    | 795.5             |
| 65,0°    | 37.9                         | 33.8         | 30.2         | 24.9         | 21.3         | 19.0         | 18.2         | 16.5         | 16.8         | 16.2         | 14.2  | 43.7                    | 839.1             |
| 67,5°    | 30.5                         | 27.2         | 21.8         | 17.6         | 15.1         | 15.1         | 14.7         | 14.6         | 14.7         | 13.4         | 12.3  | 42.8                    | 881.9             |
| 70,0°    | 22.9                         | 18.7         | 15.1         | 14.0         | 13.3         | 12.0         | 11.9         | 12.1         | 11.4         | 11.7         | 9.5   | 40.0                    | 921.9             |
| 72,5°    | 18.9                         | 15.1         | 13.3         | 11.8         | 10.6         | 9.5          | 8.2          | 7.9          | 7.5          | 7.0          | 7.5   | 34.4                    | 956.3             |
| 75,0°    | 14.0                         | 11.5         | 8.9          | 9.5          | 7.5          | 5.9          | 4.0          | 4.3          | 4.2          | 3.7          | 3.9   | 25.3                    | 981.7             |
| 77,5°    | 10.3                         | 7.2          | 5.6          | 5.4          | 3.9          | 2.9          | 2.4          | 2.5          | 1.9          | 2.4          | 2.1   | 12.3                    | 994.0             |
| 80,0°    | 6.0                          | 3.9          | 3.0          | 2.5          | 1.9          | 1.4          | 1.2          | 0.9          | 1.0          | 0.9          | 1.0   | 4.6                     | 998.6             |
| 82,5°    | 2.5                          | 1.9          | 0.8          | 0.6          | 0.7          | 0.4          | 0.3          | 0.2          | 0.3          | 0.4          | 0.4   | 1.1                     | 999.7             |
| 85,0°    | 0.9                          | 0.4          | 0.4          | 0.2          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.0   | 0.2                     | 999.9             |
| 87,5°    | 0.1                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.1                     | 1000.0            |
| 90,0°    | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |

## Photometric test report

|   |  |                                |
|---|--|--------------------------------|
| <b>Family</b><br>Streetlight 21 micro LED | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br>59152_1222 |
| <b>Dimming levels table</b>               |  | <b>siteco</b>                  |
| environmental temperature: 25°C           |  |                                |

| 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                       | 4490               | 39.1                  | 41.2                  | 40.2                  |
| 95              | 241                  | 252                       | 4260               | 36.4                  | 38.2                  | 37.3                  |
| 90              | 229                  | 250                       | 4048               | 33.9                  | 35.7                  | 34.8                  |
| 85              | 216                  | 248                       | 3818               | 31.5                  | 33.0                  | 32.2                  |
| 80              | 203                  | 246                       | 3588               | 29.0                  | 30.5                  | 29.8                  |
| 75              | 190                  | 243                       | 3359               | 26.7                  | 28.1                  | 27.4                  |
| 70              | 178                  | 241                       | 3147               | 24.7                  | 25.9                  | 25.3                  |
| 65              | 165                  | 238                       | 2917               | 22.5                  | 23.6                  | 23.0                  |
| 60              | 152                  | 235                       | 2687               | 20.5                  | 21.4                  | 21.0                  |
| 55              | 140                  | 232                       | 2475               | 18.6                  | 19.5                  | 19.0                  |
| 50              | 127                  | 229                       | 2245               | 16.7                  | 17.5                  | 17.1                  |
| 45              | 114                  | 225                       | 2015               | 14.8                  | 15.5                  | 15.2                  |
| 40              | 102                  | 221                       | 1803               | 13.1                  | 13.8                  | 13.4                  |
| 35              | 89                   | 216                       | 1573               | 11.4                  | 11.9                  | 11.6                  |
| 30              | 76                   | 210                       | 1343               | 9.7                   | 10.2                  | 10.0                  |
| 25              | 63                   | 203                       | 1114               | 8.1                   | 8.4                   | 8.2                   |
| 20              | 51                   | 195                       | 902                | 6.6                   | 6.9                   | 6.8                   |
| 15              | 38                   | 184                       | 672                | 5.1                   | 5.3                   | 5.2                   |
| 10              | 26                   | 171                       | 460                | 3.7                   | 3.9                   | 3.8                   |

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Dimming levels table</b> | environmental temperature: 5°C |
|-----------------------------|--------------------------------|

| 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                       | 4490               | 38.2                  | 39.6                  | 38.9                  |
| 95              | 241                  | 252                       | 4260               | 35.7                  | 37.0                  | 36.4                  |
| 90              | 229                  | 250                       | 4048               | 33.4                  | 34.6                  | 34.0                  |
| 85              | 216                  | 248                       | 3818               | 31.0                  | 32.1                  | 31.6                  |
| 80              | 203                  | 246                       | 3589               | 28.7                  | 29.7                  | 29.2                  |
| 75              | 190                  | 243                       | 3359               | 26.4                  | 27.4                  | 26.9                  |
| 70              | 178                  | 241                       | 3147               | 24.4                  | 25.3                  | 24.8                  |
| 65              | 165                  | 238                       | 2917               | 22.4                  | 23.2                  | 22.8                  |
| 60              | 152                  | 235                       | 2687               | 20.4                  | 21.0                  | 20.7                  |
| 55              | 140                  | 232                       | 2475               | 18.5                  | 19.2                  | 18.8                  |
| 50              | 127                  | 229                       | 2245               | 16.7                  | 17.2                  | 17.0                  |
| 45              | 114                  | 225                       | 2015               | 14.8                  | 15.3                  | 15.0                  |
| 40              | 102                  | 221                       | 1803               | 13.1                  | 13.6                  | 13.4                  |
| 35              | 89                   | 216                       | 1573               | 11.4                  | 11.8                  | 11.6                  |
| 30              | 76                   | 210                       | 1344               | 9.8                   | 10.0                  | 9.9                   |
| 25              | 63                   | 203                       | 1114               | 8.1                   | 8.3                   | 8.2                   |
| 20              | 51                   | 195                       | 902                | 6.7                   | 6.8                   | 6.8                   |
| 15              | 38                   | 184                       | 672                | 5.1                   | 5.3                   | 5.2                   |
| 10              | 26                   | 171                       | 460                | 3.8                   | 3.8                   | 3.8                   |

## Photometric test report

|   |  |                                |
|---|--|--------------------------------|
| <b>Family</b><br>Streetlight 21 micro LED | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br>59152_1222 |
|---|--|--------------------------------|

|                             |                                 |               |
|-----------------------------|---------------------------------|---------------|
| <b>Dimming levels table</b> | environmental temperature: 15°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                       | 4490               | 38.6                  | 40.3                  | 39.4                  |
| 95              | 241                  | 252                       | 4260               | 35.9                  | 37.5                  | 36.7                  |
| 90              | 229                  | 250                       | 4048               | 33.6                  | 35.0                  | 34.3                  |
| 85              | 216                  | 248                       | 3818               | 31.2                  | 32.5                  | 31.8                  |
| 80              | 203                  | 246                       | 3588               | 28.8                  | 30.0                  | 29.4                  |
| 75              | 191                  | 244                       | 3376               | 26.7                  | 27.8                  | 27.2                  |
| 70              | 178                  | 241                       | 3146               | 24.6                  | 25.5                  | 25.0                  |
| 65              | 165                  | 238                       | 2917               | 22.5                  | 23.3                  | 22.9                  |
| 60              | 152                  | 235                       | 2687               | 20.4                  | 21.2                  | 20.8                  |
| 55              | 140                  | 232                       | 2475               | 18.6                  | 19.3                  | 19.0                  |
| 50              | 127                  | 229                       | 2245               | 16.6                  | 17.3                  | 17.0                  |
| 45              | 114                  | 225                       | 2015               | 14.8                  | 15.4                  | 15.1                  |
| 40              | 102                  | 221                       | 1803               | 13.1                  | 13.7                  | 13.4                  |
| 35              | 89                   | 216                       | 1573               | 11.4                  | 11.8                  | 11.6                  |
| 30              | 76                   | 210                       | 1343               | 9.7                   | 10.0                  | 9.8                   |
| 25              | 64                   | 204                       | 1131               | 8.2                   | 8.5                   | 8.4                   |
| 20              | 51                   | 195                       | 902                | 6.7                   | 6.9                   | 6.8                   |
| 15              | 38                   | 184                       | 672                | 5.1                   | 5.3                   | 5.2                   |
| 10              | 26                   | 171                       | 460                | 3.7                   | 3.9                   | 3.8                   |

**Photometric test report**

|   |  |                                       |
|---|--|---------------------------------------|
| <b>Family</b><br>Streetlight 21 micro LED | <b>Order number: 5XE1M31U08DB</b><br><b>EAN: 4058352909805</b> | <b>LP number</b><br><b>59152_1222</b> |
|---|--|---------------------------------------|

**Luminousfluxs table** **siteco**

| Temperature<br>°C | Luminous flux<br>lm | Power consumption<br>W |
|-------------------|---------------------|------------------------|
| 25.0              | 4490.0              | 39.1                   |
| 5.0               | 4490.0              | 38.2                   |
| 15.0              | 4490.0              | 38.6                   |