

## Photometric test report

### Family Streetlight 21 mini LED

**Order number: 5XE2R33R08GB**  
**EAN: 4069025149503**

**LP number**  
**59535\_231**



|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| <b>Version</b>      | post-top or side-entry mounting, Smart Interface down                                       |
| <b>Optic</b>        | direct, asymmetric wide distribution P08B001                                                |
| <b>Cover</b>        | toughened safety glass                                                                      |
| <b>Lamps</b>        | LED 3000 K   CRI ≥ 70                                                                       |
| <b>Controlgear</b>  | EVG-Smart Interface                                                                         |
| <b>Rated values</b> | Net luminous flux = 5160 lm<br>Power consumption = 40.4 W<br>Luminous efficacy = 127.7 lm/W |

**serial**  
**documentation**  
**18.01.2024**

**siteco**

**Luminous intensity in cd/klm**

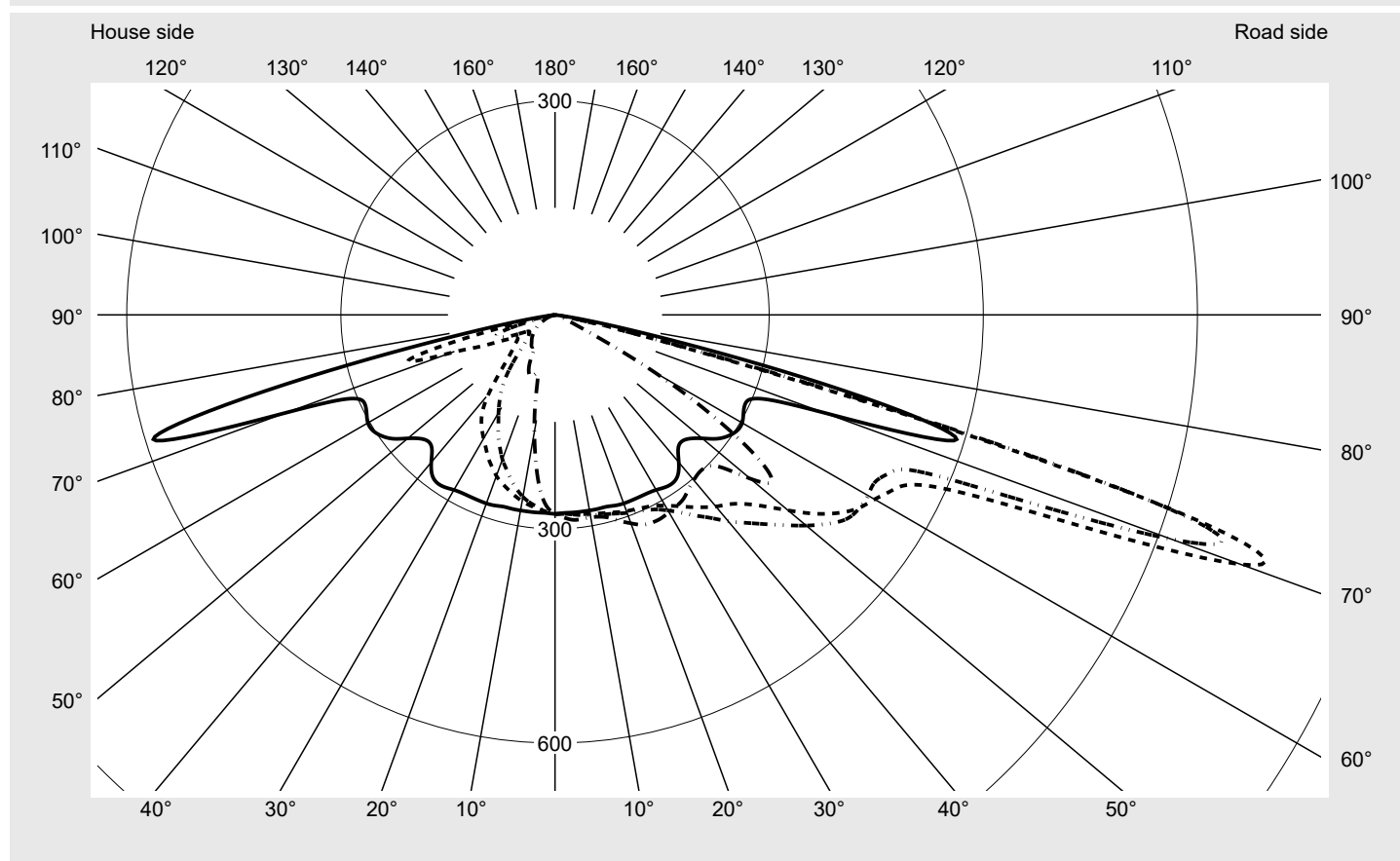
**C180-0**

**C195-15**

**C200-20**

**C270-90**

**Imax: 1022 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°  | 1022.3 |
| Imax 80°  | 56.2   |
| Imax 90°  | 0.0    |
| Imax >90° | 0.0    |
| Imax >95° | 0.0    |

#### Measurement conditions

DIN EN 13032 and DIN 5032

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**Streetlight 21 mini LED**

Order number: **5XE2R33R08GB**  
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Envelope curve in cd/klm

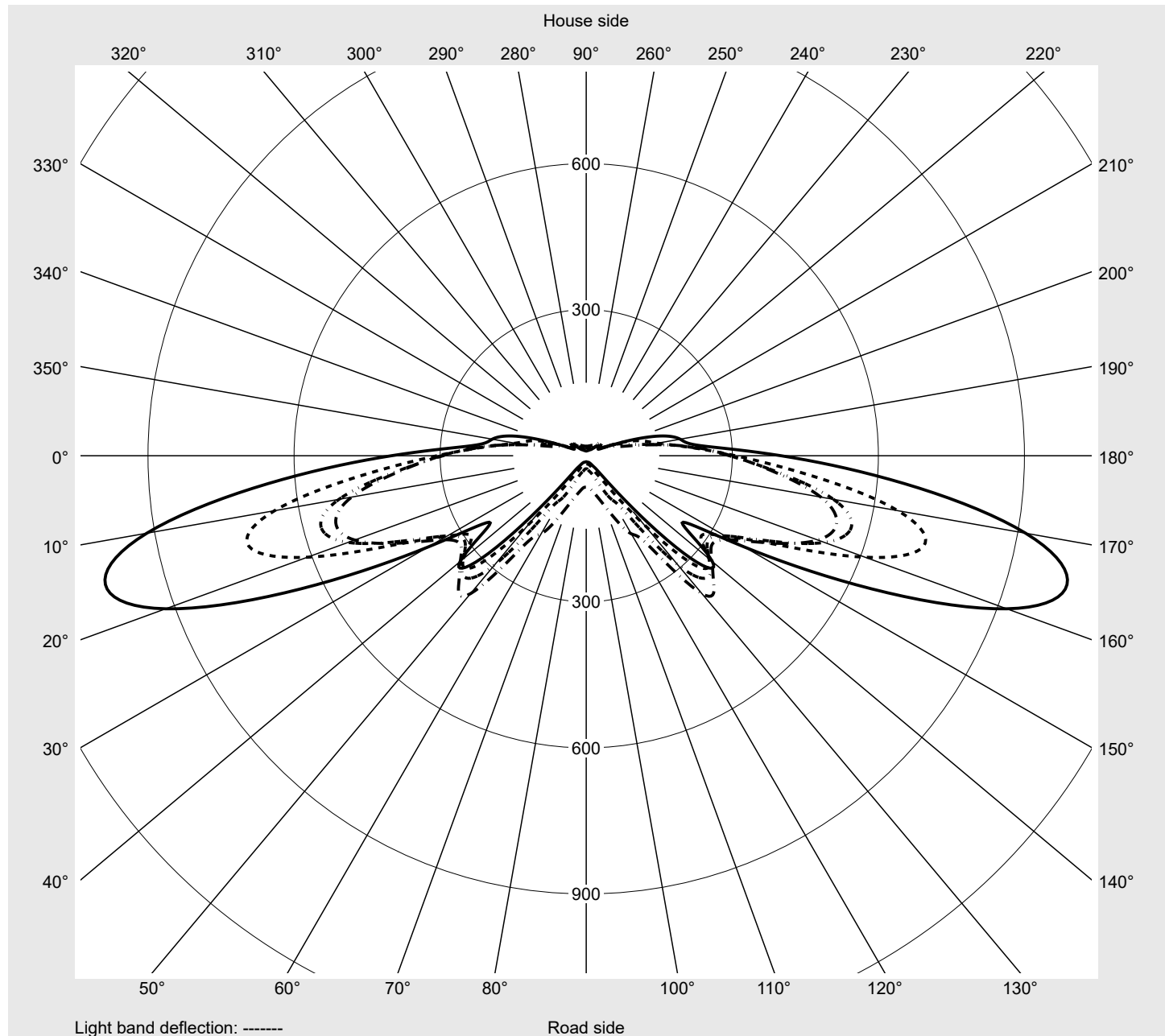
KMK 70°

KMK 67.5°

KMK 65°

KMK 62.5°

**siteco**



Photometric test report

|                                   |                                                  |                        |
|-----------------------------------|--------------------------------------------------|------------------------|
| Family<br>Streetlight 21 mini LED | Order number: 5XE2R33R08GB<br>EAN: 4069025149503 | LP number<br>59535_231 |
|-----------------------------------|--------------------------------------------------|------------------------|

|                                          |                            |        |
|------------------------------------------|----------------------------|--------|
| Table of values for luminous intensities | Maximum luminous intensity | siteco |
|------------------------------------------|----------------------------|--------|

| C-<br>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° |
|--------------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ            | Luminous intensity in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 0,0°         | 278.8                        | 278.8      | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       |
| 2,5°         | 277.9                        | 277.8      | 278.3       | 278.5       | 279.1       | 279.5       | 279.7       | 280.3       | 281.1       | 281.1       | 281.8       | 282.0       | 282.5       |
| 5,0°         | 278.0                        | 278.0      | 278.8       | 279.6       | 280.7       | 281.8       | 282.5       | 283.4       | 284.3       | 284.7       | 285.3       | 285.7       | 286.3       |
| 7,5°         | 278.2                        | 278.8      | 279.7       | 281.6       | 283.0       | 284.3       | 285.2       | 285.8       | 286.5       | 286.6       | 286.8       | 287.0       | 287.2       |
| 10,0°        | 278.3                        | 279.3      | 281.1       | 283.2       | 284.8       | 286.1       | 286.8       | 287.1       | 287.4       | 287.5       | 287.6       | 287.5       | 287.6       |
| 12,5°        | 278.4                        | 280.6      | 282.9       | 285.1       | 287.1       | 288.1       | 288.1       | 288.3       | 288.6       | 288.3       | 288.2       | 288.3       | 288.1       |
| 15,0°        | 278.3                        | 281.8      | 284.2       | 287.0       | 288.9       | 289.7       | 290.4       | 290.4       | 290.4       | 290.5       | 290.7       | 291.2       | 291.5       |
| 17,5°        | 280.1                        | 284.2      | 287.0       | 289.9       | 291.8       | 292.6       | 293.2       | 293.3       | 294.2       | 295.6       | 296.5       | 297.9       | 299.1       |
| 20,0°        | 281.2                        | 286.5      | 289.9       | 292.7       | 295.2       | 296.4       | 297.4       | 298.7       | 300.7       | 302.2       | 304.8       | 306.3       | 307.6       |
| 22,5°        | 281.2                        | 288.0      | 291.8       | 294.7       | 298.0       | 300.7       | 303.7       | 306.7       | 309.6       | 312.0       | 314.3       | 316.4       | 318.0       |
| 25,0°        | 281.2                        | 289.0      | 293.5       | 297.6       | 302.0       | 305.6       | 310.8       | 316.1       | 320.1       | 323.0       | 325.6       | 327.5       | 328.0       |
| 27,5°        | 281.6                        | 290.6      | 296.3       | 301.5       | 307.4       | 313.2       | 319.9       | 326.8       | 332.3       | 336.2       | 338.0       | 338.5       | 336.9       |
| 30,0°        | 283.2                        | 294.4      | 301.5       | 308.8       | 316.5       | 324.6       | 332.6       | 340.2       | 345.8       | 350.2       | 351.0       | 348.3       | 344.3       |
| 32,5°        | 286.5                        | 299.7      | 308.4       | 317.7       | 328.5       | 340.0       | 349.8       | 357.0       | 362.1       | 365.5       | 364.2       | 358.0       | 349.5       |
| 35,0°        | 287.6                        | 303.8      | 315.5       | 328.7       | 343.4       | 357.5       | 368.6       | 376.7       | 381.4       | 382.7       | 377.3       | 366.1       | 353.1       |
| 37,5°        | 282.8                        | 302.1      | 319.8       | 339.7       | 358.7       | 375.8       | 388.1       | 395.7       | 398.9       | 396.8       | 386.6       | 370.4       | 354.4       |
| 40,0°        | 269.7                        | 294.5      | 321.2       | 350.6       | 377.6       | 398.0       | 410.2       | 417.0       | 415.9       | 407.6       | 392.5       | 373.6       | 355.1       |
| 42,5°        | 255.3                        | 287.6      | 322.7       | 360.0       | 395.2       | 420.8       | 432.6       | 434.9       | 428.7       | 414.1       | 394.4       | 373.9       | 354.4       |
| 45,0°        | 251.0                        | 289.5      | 331.0       | 374.7       | 414.6       | 444.9       | 453.6       | 450.5       | 436.8       | 415.6       | 393.7       | 371.5       | 352.8       |
| 47,5°        | 256.6                        | 303.0      | 350.2       | 396.9       | 436.1       | 462.6       | 468.6       | 458.1       | 439.5       | 412.5       | 387.5       | 369.7       | 355.1       |
| 50,0°        | 269.2                        | 324.0      | 378.1       | 426.2       | 459.3       | 475.7       | 475.8       | 456.8       | 430.3       | 401.5       | 381.2       | 373.1       | 369.5       |
| 52,5°        | 285.2                        | 346.9      | 408.8       | 457.5       | 481.0       | 483.4       | 467.9       | 440.5       | 409.6       | 388.7       | 382.1       | 388.8       | 404.4       |
| 55,0°        | 295.9                        | 364.8      | 434.7       | 484.0       | 498.6       | 480.9       | 443.0       | 412.5       | 385.1       | 377.3       | 391.6       | 422.7       | 440.8       |
| 57,5°        | 302.2                        | 378.2      | 457.4       | 504.1       | 505.0       | 463.7       | 409.7       | 376.6       | 362.7       | 372.1       | 410.7       | 405.5       | 386.0       |
| 60,0°        | 302.7                        | 385.2      | 474.2       | 517.0       | 506.3       | 445.5       | 376.2       | 342.3       | 346.6       | 374.1       | 408.1       | 323.4       | 289.9       |
| 62,5°        | 297.6                        | 389.4      | 489.3       | 532.5       | 506.1       | 424.7       | 345.6       | 316.1       | 337.3       | 370.1       | 369.8       | 228.7       | 185.2       |
| 65,0°        | 294.2                        | 397.3      | 515.7       | 563.9       | 520.7       | 414.1       | 329.1       | 304.9       | 329.7       | 352.9       | 292.0       | 146.3       | 103.0       |
| 67,5°        | 306.5                        | 462.0      | 650.1       | 717.4       | 609.4       | 431.9       | 331.0       | 288.1       | 329.0       | 319.8       | 183.6       | 76.0        | 42.3        |
| 70,0°        | 400.3                        | 655.6      | 916.4       | 1022.3      | 919.1       | 647.3       | 374.3       | 240.7       | 338.2       | 282.9       | 84.5        | 28.5        | 20.0        |
| 72,5°        | 586.0                        | 762.4      | 853.4       | 904.4       | 899.0       | 672.4       | 361.6       | 293.9       | 353.5       | 133.4       | 22.0        | 16.9        | 14.5        |
| 75,0°        | 449.7                        | 381.0      | 325.6       | 308.5       | 339.8       | 261.0       | 278.4       | 408.8       | 241.2       | 30.0        | 14.0        | 12.7        | 10.9        |
| 77,5°        | 187.6                        | 136.4      | 104.4       | 83.4        | 66.4        | 31.3        | 81.0        | 143.9       | 55.8        | 10.9        | 9.4         | 9.1         | 7.9         |
| 80,0°        | 56.2                         | 38.7       | 28.1        | 20.2        | 12.5        | 7.1         | 6.9         | 10.5        | 5.9         | 5.4         | 6.4         | 5.7         | 5.0         |
| 82,5°        | 9.6                          | 8.1        | 6.9         | 5.8         | 4.4         | 3.9         | 3.4         | 3.0         | 2.7         | 2.5         | 2.7         | 2.4         | 2.4         |
| 85,0°        | 2.7                          | 2.5        | 2.3         | 2.2         | 1.9         | 1.7         | 1.6         | 1.6         | 1.3         | 1.3         | 1.2         | 1.1         | 1.0         |
| 87,5°        | 1.5                          | 1.3        | 1.2         | 1.2         | 1.1         | 1.0         | 1.0         | 0.8         | 0.8         | 0.8         | 0.6         | 0.6         | 0.6         |
| 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         |

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|                                          |                              |                                                  |             |             |            |       |              |              |              |                            |              |                        |              |
|------------------------------------------|------------------------------|--------------------------------------------------|-------------|-------------|------------|-------|--------------|--------------|--------------|----------------------------|--------------|------------------------|--------------|
| Family<br>Streetlight 21 mini LED        |                              | Order number: 5XE2R33R08GB<br>EAN: 4069025149503 |             |             |            |       |              |              |              |                            |              | LP number<br>59535_231 |              |
| Table of values for luminous intensities |                              |                                                  |             |             |            |       |              |              |              | Maximum luminous intensity |              | siteco                 |              |
| C-<br>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° |
| γ                                        | Luminous intensity in cd/klm |                                                  |             |             |            |       |              |              |              |                            |              |                        |              |
| 0,0°                                     | 278.8                        | 278.8                                            | 278.8       | 278.8       | 278.8      | 278.8 | 278.8        | 278.8        | 278.8        | 278.8                      | 278.8        | 278.8                  | 278.8        |
| 2,5°                                     | 282.9                        | 283.2                                            | 283.5       | 283.8       | 284.1      | 284.2 | 277.4        | 276.4        | 276.1        | 275.6                      | 274.5        | 273.9                  | 273.1        |
| 5,0°                                     | 286.6                        | 287.0                                            | 287.2       | 287.6       | 288.0      | 288.3 | 277.0        | 274.5        | 272.6        | 270.8                      | 268.5        | 266.3                  | 264.1        |
| 7,5°                                     | 287.4                        | 287.5                                            | 287.8       | 288.2       | 288.3      | 288.6 | 276.2        | 272.6        | 269.3        | 265.7                      | 261.4        | 256.5                  | 251.1        |
| 10,0°                                    | 287.2                        | 287.1                                            | 287.2       | 287.7       | 288.3      | 288.1 | 275.3        | 270.3        | 265.0        | 258.9                      | 250.7        | 242.0                  | 231.8        |
| 12,5°                                    | 288.1                        | 288.2                                            | 288.7       | 289.2       | 289.4      | 289.8 | 274.1        | 267.4        | 259.7        | 249.5                      | 236.8        | 222.9                  | 208.7        |
| 15,0°                                    | 292.0                        | 292.1                                            | 292.7       | 293.8       | 294.2      | 294.4 | 273.1        | 264.3        | 253.4        | 238.6                      | 221.3        | 203.4                  | 184.9        |
| 17,5°                                    | 299.9                        | 300.3                                            | 300.8       | 301.6       | 302.6      | 302.8 | 273.2        | 261.7        | 247.2        | 226.6                      | 204.9        | 181.7                  | 160.7        |
| 20,0°                                    | 308.0                        | 308.8                                            | 309.2       | 309.9       | 310.3      | 310.8 | 273.2        | 259.9        | 240.1        | 215.4                      | 188.9        | 162.4                  | 139.4        |
| 22,5°                                    | 318.6                        | 318.4                                            | 318.1       | 317.7       | 317.8      | 318.3 | 271.5        | 255.2        | 230.6        | 201.6                      | 170.3        | 143.2                  | 114.9        |
| 25,0°                                    | 327.4                        | 325.7                                            | 323.3       | 321.8       | 320.7      | 321.2 | 269.5        | 249.4        | 221.2        | 187.9                      | 153.1        | 121.8                  | 90.5         |
| 27,5°                                    | 334.3                        | 330.2                                            | 326.2       | 323.3       | 321.5      | 321.5 | 266.7        | 243.2        | 210.0        | 171.9                      | 135.7        | 99.1                   | 71.1         |
| 30,0°                                    | 339.2                        | 333.1                                            | 326.9       | 322.2       | 319.5      | 319.3 | 265.3        | 237.9        | 200.2        | 158.3                      | 118.4        | 79.9                   | 62.3         |
| 32,5°                                    | 341.5                        | 333.3                                            | 325.9       | 320.7       | 318.1      | 317.3 | 264.9        | 232.9        | 190.4        | 145.0                      | 101.3        | 66.5                   | 60.1         |
| 35,0°                                    | 342.5                        | 333.9                                            | 325.9       | 318.9       | 315.1      | 314.2 | 263.0        | 225.7        | 179.7        | 131.6                      | 85.9         | 59.6                   | 60.6         |
| 37,5°                                    | 342.0                        | 331.6                                            | 322.7       | 314.3       | 309.4      | 307.4 | 254.3        | 213.3        | 165.2        | 116.7                      | 73.0         | 56.4                   | 60.0         |
| 40,0°                                    | 340.1                        | 328.2                                            | 319.5       | 310.6       | 304.4      | 302.4 | 235.8        | 192.1        | 144.6        | 99.3                       | 62.9         | 54.2                   | 57.1         |
| 42,5°                                    | 337.2                        | 325.3                                            | 318.1       | 307.7       | 301.1      | 299.2 | 216.4        | 169.2        | 122.0        | 81.3                       | 56.4         | 52.1                   | 54.2         |
| 45,0°                                    | 337.1                        | 325.6                                            | 317.5       | 309.4       | 303.1      | 301.1 | 203.9        | 150.0        | 103.2        | 66.2                       | 51.0         | 50.1                   | 52.0         |
| 47,5°                                    | 343.8                        | 336.0                                            | 329.8       | 323.8       | 318.2      | 316.4 | 200.2        | 139.3        | 88.8         | 56.2                       | 48.4         | 48.6                   | 50.7         |
| 50,0°                                    | 367.8                        | 368.7                                            | 368.6       | 364.8       | 359.1      | 357.0 | 204.6        | 135.1        | 79.1         | 49.7                       | 47.4         | 49.0                   | 50.6         |
| 52,5°                                    | 419.9                        | 422.4                                            | 412.8       | 399.2       | 386.2      | 382.4 | 211.0        | 133.0        | 72.3         | 46.2                       | 47.5         | 49.5                   | 49.6         |
| 55,0°                                    | 424.6                        | 395.0                                            | 374.2       | 359.3       | 344.6      | 341.1 | 216.4        | 132.7        | 66.2         | 43.9                       | 45.5         | 46.9                   | 45.5         |
| 57,5°                                    | 353.8                        | 310.6                                            | 285.4       | 270.3       | 259.7      | 257.6 | 218.5        | 130.4        | 61.9         | 43.1                       | 41.0         | 41.0                   | 39.3         |
| 60,0°                                    | 250.3                        | 204.6                                            | 182.6       | 173.4       | 165.1      | 161.8 | 217.0        | 129.2        | 64.3         | 47.9                       | 38.9         | 36.0                   | 36.2         |
| 62,5°                                    | 145.5                        | 108.8                                            | 86.7        | 74.0        | 66.0       | 64.6  | 214.2        | 129.0        | 73.8         | 58.1                       | 41.2         | 33.5                   | 34.8         |
| 65,0°                                    | 67.5                         | 45.0                                             | 35.7        | 31.3        | 27.6       | 26.8  | 210.1        | 133.0        | 90.9         | 71.2                       | 45.1         | 31.9                   | 34.7         |
| 67,5°                                    | 26.8                         | 20.8                                             | 18.5        | 17.5        | 16.8       | 16.4  | 208.5        | 148.3        | 118.6        | 81.6                       | 45.1         | 29.9                   | 33.7         |
| 70,0°                                    | 16.2                         | 14.4                                             | 13.8        | 13.2        | 12.7       | 12.3  | 236.4        | 195.9        | 156.6        | 87.0                       | 37.9         | 28.1                   | 32.3         |
| 72,5°                                    | 12.8                         | 11.4                                             | 10.8        | 10.2        | 9.6        | 9.4   | 409.6        | 322.7        | 215.6        | 78.7                       | 30.0         | 27.9                   | 29.6         |
| 75,0°                                    | 9.7                          | 8.6                                              | 7.9         | 7.5         | 7.1        | 7.0   | 414.6        | 266.9        | 148.4        | 43.3                       | 26.7         | 27.7                   | 25.5         |
| 77,5°                                    | 6.7                          | 5.8                                              | 5.3         | 5.0         | 4.7        | 4.6   | 158.3        | 92.5         | 50.4         | 16.7                       | 18.7         | 22.5                   | 20.1         |
| 80,0°                                    | 4.0                          | 3.5                                              | 3.0         | 2.9         | 2.7        | 2.7   | 44.1         | 27.3         | 12.5         | 8.6                        | 10.0         | 12.3                   | 11.7         |
| 82,5°                                    | 2.2                          | 2.1                                              | 1.8         | 1.8         | 1.7        | 1.7   | 10.0         | 6.4          | 4.8          | 4.8                        | 5.1          | 5.3                    | 5.2          |
| 85,0°                                    | 1.0                          | 1.0                                              | 1.0         | 0.8         | 0.8        | 1.0   | 2.8          | 2.8          | 2.8          | 2.7                        | 2.5          | 2.4                    | 2.2          |
| 87,5°                                    | 0.6                          | 0.6                                              | 0.5         | 0.5         | 0.5        | 0.5   | 1.5          | 1.5          | 1.5          | 1.5                        | 1.3          | 1.3                    | 1.3          |
| 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          |

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| Family<br>Streetlight 21 mini LED        |                              |              |              | Order number: 5XE2R33R08GB<br>EAN: 4069025149503 |              |              |              |              |              |              |       | LP number<br>59535_231     |                   |        |  |
|------------------------------------------|------------------------------|--------------|--------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|----------------------------|-------------------|--------|--|
| Table of values for luminous intensities |                              |              |              |                                                  |              |              |              |              |              |              |       | Maximum luminous intensity |                   | sīteco |  |
| C-<br>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°                                     | 278.8                        | 278.8        | 278.8        | 278.8                                            | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8 | 0.4                        | 0.4               |        |  |
| 2,5°                                     | 272.2                        | 271.8        | 271.0        | 270.4                                            | 269.8        | 269.5        | 269.2        | 268.7        | 268.6        | 268.6        | 268.5 | 3.3                        | 3.7               |        |  |
| 5,0°                                     | 261.5                        | 258.9        | 256.5        | 253.9                                            | 251.4        | 249.4        | 247.6        | 246.1        | 245.0        | 244.4        | 244.3 | 6.5                        | 10.2              |        |  |
| 7,5°                                     | 244.8                        | 238.5        | 232.3        | 226.9                                            | 221.6        | 217.2        | 213.5        | 210.6        | 208.6        | 207.3        | 206.8 | 9.4                        | 19.6              |        |  |
| 10,0°                                    | 221.4                        | 211.9        | 203.1        | 194.5                                            | 186.1        | 179.5        | 174.5        | 171.0        | 168.5        | 167.1        | 166.7 | 12.0                       | 31.6              |        |  |
| 12,5°                                    | 195.0                        | 181.2        | 169.8        | 160.0                                            | 151.3        | 144.4        | 138.5        | 134.0        | 131.0        | 128.9        | 128.4 | 14.2                       | 45.8              |        |  |
| 15,0°                                    | 167.9                        | 153.5        | 140.2        | 128.2                                            | 117.7        | 109.1        | 102.7        | 98.6         | 95.9         | 94.7         | 94.3  | 16.3                       | 62.0              |        |  |
| 17,5°                                    | 142.2                        | 124.6        | 108.6        | 95.7                                             | 87.6         | 83.9         | 83.1         | 83.8         | 84.7         | 85.5         | 85.9  | 18.4                       | 80.4              |        |  |
| 20,0°                                    | 116.6                        | 96.4         | 83.1         | 78.2                                             | 78.6         | 81.3         | 84.5         | 87.3         | 89.3         | 90.3         | 90.9  | 20.8                       | 101.2             |        |  |
| 22,5°                                    | 89.5                         | 75.2         | 72.6         | 76.0                                             | 80.9         | 85.1         | 88.4         | 90.5         | 91.6         | 91.8         | 92.2  | 23.2                       | 124.4             |        |  |
| 25,0°                                    | 71.4                         | 68.6         | 73.3         | 79.7                                             | 85.5         | 88.8         | 90.0         | 89.7         | 88.7         | 87.4         | 87.1  | 25.6                       | 150.0             |        |  |
| 27,5°                                    | 64.7                         | 70.1         | 78.6         | 86.0                                             | 89.6         | 90.0         | 87.9         | 84.8         | 81.5         | 78.7         | 77.4  | 28.0                       | 178.0             |        |  |
| 30,0°                                    | 64.8                         | 74.0         | 83.0         | 87.6                                             | 87.7         | 84.1         | 78.9         | 73.3         | 68.2         | 64.5         | 62.9  | 30.3                       | 208.3             |        |  |
| 32,5°                                    | 67.5                         | 77.3         | 83.7         | 84.9                                             | 81.4         | 75.6         | 69.2         | 63.0         | 57.6         | 53.9         | 52.5  | 32.7                       | 241.0             |        |  |
| 35,0°                                    | 69.5                         | 77.5         | 81.3         | 79.5                                             | 74.6         | 69.1         | 63.6         | 59.6         | 56.8         | 55.4         | 54.7  | 35.2                       | 276.2             |        |  |
| 37,5°                                    | 66.9                         | 72.0         | 72.9         | 70.1                                             | 66.3         | 64.1         | 63.0         | 61.0         | 57.8         | 55.1         | 54.2  | 37.4                       | 313.5             |        |  |
| 40,0°                                    | 61.1                         | 63.3         | 62.3         | 60.6                                             | 62.2         | 62.0         | 58.2         | 55.0         | 53.0         | 51.5         | 51.0  | 39.1                       | 352.7             |        |  |
| 42,5°                                    | 56.2                         | 56.2         | 55.5         | 58.5                                             | 59.0         | 54.9         | 52.9         | 51.4         | 50.1         | 49.0         | 48.4  | 40.8                       | 393.5             |        |  |
| 45,0°                                    | 53.0                         | 52.6         | 55.5         | 57.6                                             | 52.9         | 50.7         | 49.0         | 47.7         | 46.7         | 46.0         | 45.7  | 42.7                       | 436.2             |        |  |
| 47,5°                                    | 51.0                         | 53.0         | 57.0         | 52.2                                             | 48.3         | 46.4         | 45.0         | 44.0         | 43.2         | 42.7         | 42.6  | 45.2                       | 481.4             |        |  |
| 50,0°                                    | 50.3                         | 54.8         | 53.7         | 46.7                                             | 43.9         | 42.3         | 41.2         | 40.5         | 39.8         | 39.4         | 39.2  | 48.5                       | 529.9             |        |  |
| 52,5°                                    | 49.2                         | 54.1         | 48.4         | 42.2                                             | 39.7         | 38.5         | 37.5         | 36.4         | 35.8         | 35.3         | 35.3  | 52.1                       | 582.0             |        |  |
| 55,0°                                    | 47.2                         | 51.3         | 42.8         | 37.7                                             | 35.7         | 34.3         | 33.3         | 32.8         | 32.2         | 31.9         | 31.9  | 53.0                       | 634.9             |        |  |
| 57,5°                                    | 46.8                         | 46.6         | 37.7         | 33.1                                             | 31.7         | 30.7         | 29.9         | 29.5         | 29.0         | 28.8         | 28.8  | 50.6                       | 685.5             |        |  |
| 60,0°                                    | 45.6                         | 41.7         | 32.2         | 29.5                                             | 28.5         | 27.6         | 26.4         | 25.5         | 24.7         | 24.2         | 24.2  | 46.4                       | 731.9             |        |  |
| 62,5°                                    | 43.5                         | 35.8         | 28.2         | 26.2                                             | 24.8         | 23.3         | 21.9         | 20.9         | 20.2         | 19.7         | 19.8  | 41.6                       | 773.6             |        |  |
| 65,0°                                    | 39.3                         | 31.9         | 24.7         | 22.4                                             | 20.8         | 19.0         | 17.8         | 17.1         | 16.4         | 16.2         | 16.2  | 38.9                       | 812.4             |        |  |
| 67,5°                                    | 35.7                         | 27.6         | 20.9         | 18.1                                             | 16.8         | 15.5         | 14.4         | 13.8         | 13.5         | 13.3         | 13.3  | 40.2                       | 852.7             |        |  |
| 70,0°                                    | 31.4                         | 23.6         | 17.7         | 15.1                                             | 13.8         | 12.3         | 11.5         | 10.8         | 10.3         | 9.9          | 9.7   | 49.7                       | 902.3             |        |  |
| 72,5°                                    | 26.8                         | 19.7         | 14.6         | 12.0                                             | 10.5         | 9.1          | 8.2          | 7.7          | 7.3          | 6.8          | 6.8   | 52.1                       | 954.4             |        |  |
| 75,0°                                    | 22.1                         | 15.8         | 11.6         | 9.2                                              | 7.7          | 6.8          | 5.8          | 5.3          | 4.8          | 4.6          | 4.6   | 30.6                       | 985.0             |        |  |
| 77,5°                                    | 16.3                         | 11.4         | 8.2          | 6.4                                              | 5.3          | 4.4          | 3.7          | 3.1          | 2.9          | 2.7          | 2.7   | 10.4                       | 995.4             |        |  |
| 80,0°                                    | 9.8                          | 6.7          | 5.0          | 4.0                                              | 3.1          | 2.5          | 2.1          | 1.7          | 1.3          | 1.0          | 1.0   | 2.9                        | 998.4             |        |  |
| 82,5°                                    | 4.5                          | 3.5          | 2.8          | 2.1                                              | 1.6          | 1.3          | 1.1          | 1.0          | 0.7          | 0.6          | 0.5   | 1.0                        | 999.3             |        |  |
| 85,0°                                    | 1.9                          | 1.7          | 1.5          | 1.1                                              | 0.8          | 0.8          | 0.7          | 0.6          | 0.5          | 0.5          | 0.5   | 0.4                        | 999.8             |        |  |
| 87,5°                                    | 1.2                          | 1.1          | 0.8          | 0.8                                              | 0.6          | 0.6          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5   | 0.2                        | 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            |        |  |

|        |          |         |        |        |        |
|--------|----------|---------|--------|--------|--------|
| office | industry | traffic | retail | public | sports |
|--------|----------|---------|--------|--------|--------|

## Photometric test report

|                                          |                                                                |                                 |
|------------------------------------------|----------------------------------------------------------------|---------------------------------|
| Family<br><b>Streetlight 21 mini LED</b> | Order number: <b>5XE2R33R08GB</b><br>EAN: <b>4069025149503</b> | LP number<br><b>59535_231</b>   |
| Dimming levels table                     |                                                                | environmental temperature: 25°C |
|                                          |                                                                | <b>sit</b> eco                  |

| Luminous flux<br>[%] | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W]start of lifetime | Power consumption<br>[W]end of lifetime | Power consumption<br>[W]average |
|----------------------|-------------------------|------------------------------|-----------------------|-------------------------------------------|-----------------------------------------|---------------------------------|
| 100                  | 254                     | 254                          | 5160                  | 40.4                                      | 41.1                                    | 40.8                            |
| 95                   | 240                     | 252                          | 4910                  | 38.1                                      | 38.8                                    | 38.4                            |
| 90                   | 225                     | 250                          | 4639                  | 35.8                                      | 36.4                                    | 36.1                            |
| 85                   | 211                     | 247                          | 4381                  | 33.5                                      | 34.1                                    | 33.8                            |
| 80                   | 197                     | 245                          | 4120                  | 31.3                                      | 31.9                                    | 31.6                            |
| 75                   | 184                     | 242                          | 3875                  | 29.3                                      | 29.8                                    | 29.6                            |
| 70                   | 170                     | 239                          | 3606                  | 27.1                                      | 27.5                                    | 27.3                            |
| 65                   | 157                     | 236                          | 3353                  | 25.1                                      | 25.5                                    | 25.3                            |
| 60                   | 144                     | 233                          | 3097                  | 23.2                                      | 23.5                                    | 23.4                            |
| 55                   | 131                     | 230                          | 2838                  | 21.2                                      | 21.5                                    | 21.4                            |
| 50                   | 118                     | 226                          | 2576                  | 19.2                                      | 19.5                                    | 19.4                            |
| 45                   | 106                     | 222                          | 2330                  | 17.4                                      | 17.6                                    | 17.5                            |
| 40                   | 93                      | 217                          | 2061                  | 15.4                                      | 15.6                                    | 15.5                            |
| 35                   | 81                      | 212                          | 1810                  | 13.6                                      | 13.8                                    | 13.7                            |
| 30                   | 69                      | 206                          | 1555                  | 11.8                                      | 12.0                                    | 11.9                            |
| 25                   | 57                      | 199                          | 1297                  | 10.1                                      | 10.2                                    | 10.1                            |
| 20                   | 45                      | 191                          | 1036                  | 8.3                                       | 8.4                                     | 8.4                             |
| 15                   | 33                      | 179                          | 772                   | 6.6                                       | 6.7                                     | 6.6                             |
| 11                   | 23                      | 166                          | 550                   | 5.2                                       | 5.2                                     | 5.2                             |

|                      |  |                                |
|----------------------|--|--------------------------------|
| Dimming levels table |  | environmental temperature: 5°C |
|----------------------|--|--------------------------------|

| Luminous flux<br>[%] | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W]start of lifetime | Power consumption<br>[W]end of lifetime | Power consumption<br>[W]average |
|----------------------|-------------------------|------------------------------|-----------------------|-------------------------------------------|-----------------------------------------|---------------------------------|
| 100                  | 254                     | 254                          | 5270                  | 40.9                                      | 41.6                                    | 41.2                            |
| 95                   | 240                     | 252                          | 5012                  | 38.6                                      | 39.3                                    | 39.0                            |
| 90                   | 226                     | 250                          | 4749                  | 36.4                                      | 37.0                                    | 36.7                            |
| 85                   | 212                     | 247                          | 4484                  | 34.2                                      | 34.8                                    | 34.5                            |
| 80                   | 198                     | 245                          | 4216                  | 31.9                                      | 32.5                                    | 32.2                            |
| 75                   | 184                     | 242                          | 3943                  | 29.8                                      | 30.2                                    | 30.0                            |
| 70                   | 171                     | 240                          | 3687                  | 27.7                                      | 28.1                                    | 27.9                            |
| 65                   | 158                     | 237                          | 3428                  | 25.7                                      | 26.0                                    | 25.8                            |
| 60                   | 145                     | 233                          | 3166                  | 23.6                                      | 24.0                                    | 23.8                            |
| 55                   | 132                     | 230                          | 2902                  | 21.6                                      | 21.9                                    | 21.8                            |
| 50                   | 119                     | 226                          | 2634                  | 19.6                                      | 19.9                                    | 19.8                            |
| 45                   | 106                     | 222                          | 2363                  | 17.6                                      | 17.8                                    | 17.7                            |
| 40                   | 94                      | 218                          | 2110                  | 15.8                                      | 16.1                                    | 16.0                            |
| 35                   | 82                      | 213                          | 1854                  | 13.9                                      | 14.2                                    | 14.0                            |
| 30                   | 69                      | 206                          | 1573                  | 12.0                                      | 12.2                                    | 12.1                            |
| 25                   | 57                      | 199                          | 1312                  | 10.2                                      | 10.3                                    | 10.2                            |
| 20                   | 45                      | 191                          | 1048                  | 8.5                                       | 8.6                                     | 8.6                             |
| 15                   | 33                      | 179                          | 781                   | 6.7                                       | 6.8                                     | 6.8                             |
| 11                   | 23                      | 166                          | 556                   | 5.3                                       | 5.3                                     | 5.3                             |

Photometric test report

|                                   |                                                  |                                 |
|-----------------------------------|--------------------------------------------------|---------------------------------|
| Family<br>Streetlight 21 mini LED | Order number: 5XE2R33R08GB<br>EAN: 4069025149503 | LP number<br>59535_231          |
| Dimming levels table              |                                                  | environmental temperature: 15°C |
|                                   |                                                  | siteco                          |

| Luminous flux [%] | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W]start of lifetime | Power consumption [W]end of lifetime | Power consumption [W]average |
|-------------------|----------------------|---------------------------|--------------------|----------------------------------------|--------------------------------------|------------------------------|
| 100               | 254                  | 254                       | 5220               | 40.6                                   | 41.4                                 | 41.0                         |
| 95                | 240                  | 252                       | 4966               | 38.4                                   | 39.1                                 | 38.8                         |
| 90                | 225                  | 250                       | 4690               | 36.0                                   | 36.7                                 | 36.4                         |
| 85                | 212                  | 247                       | 4446               | 34.0                                   | 34.5                                 | 34.2                         |
| 80                | 198                  | 245                       | 4181               | 31.7                                   | 32.3                                 | 32.0                         |
| 75                | 184                  | 242                       | 3913               | 29.5                                   | 30.0                                 | 29.8                         |
| 70                | 171                  | 240                       | 3660               | 27.5                                   | 27.9                                 | 27.7                         |
| 65                | 157                  | 236                       | 3384               | 25.3                                   | 25.7                                 | 25.5                         |
| 60                | 144                  | 233                       | 3124               | 23.3                                   | 23.7                                 | 23.5                         |
| 55                | 131                  | 230                       | 2862               | 21.3                                   | 21.6                                 | 21.5                         |
| 50                | 119                  | 226                       | 2617               | 19.4                                   | 19.7                                 | 19.5                         |
| 45                | 106                  | 222                       | 2349               | 17.5                                   | 17.7                                 | 17.6                         |
| 40                | 94                   | 218                       | 2097               | 15.6                                   | 15.9                                 | 15.8                         |
| 35                | 81                   | 212                       | 1822               | 13.7                                   | 13.9                                 | 13.8                         |
| 30                | 69                   | 206                       | 1565               | 11.9                                   | 12.1                                 | 12.0                         |
| 25                | 57                   | 199                       | 1305               | 10.1                                   | 10.3                                 | 10.2                         |
| 20                | 45                   | 191                       | 1042               | 8.4                                    | 8.5                                  | 8.4                          |
| 15                | 33                   | 179                       | 777                | 6.6                                    | 6.7                                  | 6.6                          |
| 11                | 23                   | 166                       | 553                | 5.2                                    | 5.2                                  | 5.2                          |

Photometric test report

|                                   |                                                  |                        |
|-----------------------------------|--------------------------------------------------|------------------------|
| Family<br>Streetlight 21 mini LED | Order number: 5XE2R33R08GB<br>EAN: 4069025149503 | LP number<br>59535_231 |
| Luminousfluxs table               |                                                  | siteco                 |

| Temperature<br>°C | Luminous flux<br>lm | Power consumption<br>W |
|-------------------|---------------------|------------------------|
| 25.0              | 5160.0              | 40.4                   |
| 5.0               | 5270.0              | 40.9                   |
| 15.0              | 5220.0              | 40.6                   |