

## Photometric test report

### Family Streetlight 21 midi LED



**Order number: 5XE3C31D08MB**  
**EAN: 4058352727096**

**LP number**  
**59081\_352**

**Version** post-top or side-entry mounting  
**Optic** direct, asymmetric wide distribution  
 S080002  
**Cover** toughened safety glass  
**Lamps** LED 3000 K | CRI ≥ 70  
**Controlgear** ECG SITECO iQ  
**Rated values** Net luminous flux = 19500 lm  
 Power consumption = 146.7 W  
 Luminous efficacy = 132.9 lm/W

**serial**  
**documentation**  
**15.07.2022**

**siteco**

**Luminous intensity in cd/klm**

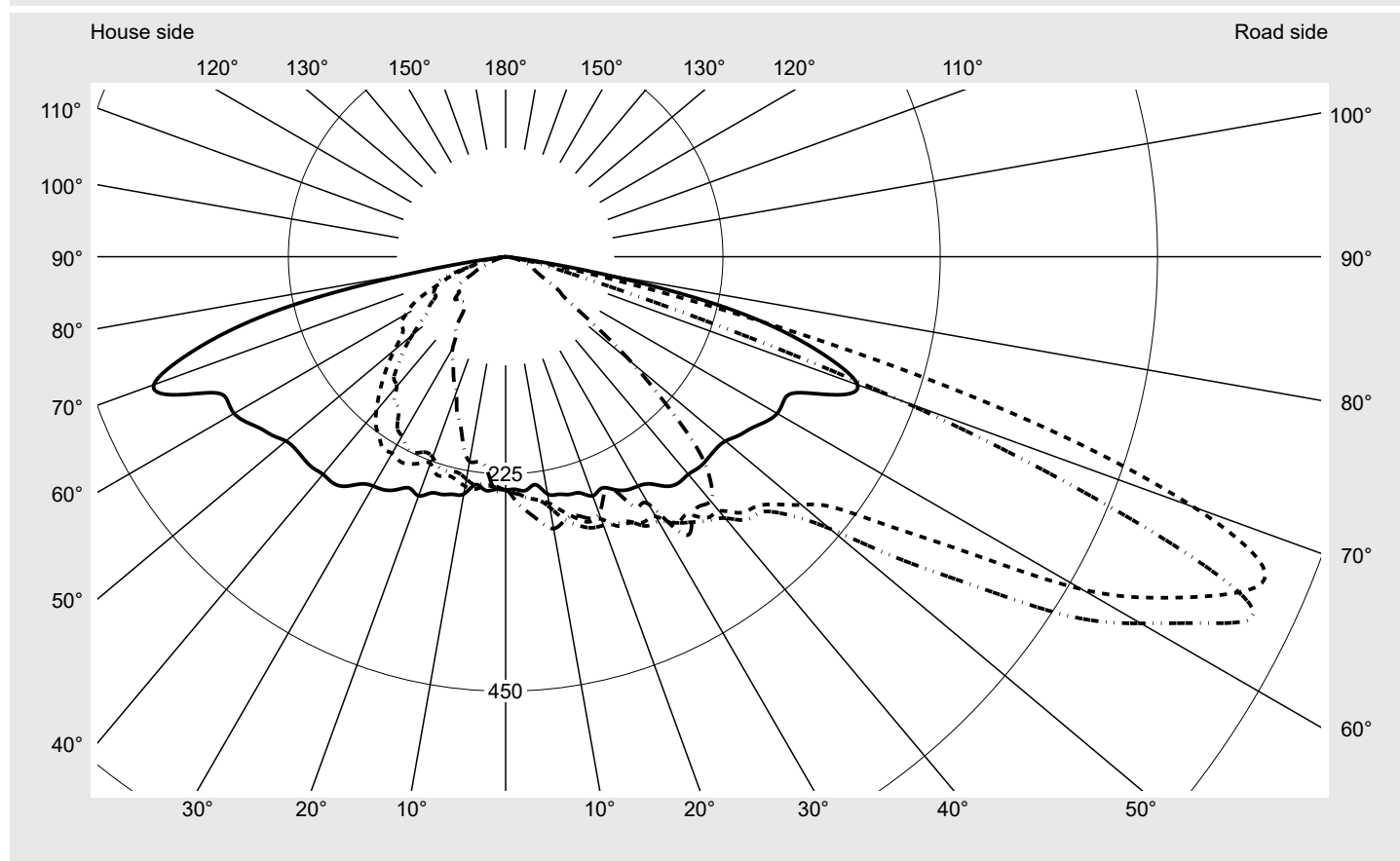
**C180-0**

**C200-20**

**C205-25**

**C270-90**

**Imax: 851 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°  | 826.1 |
| Imax 80°  | 99.6  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

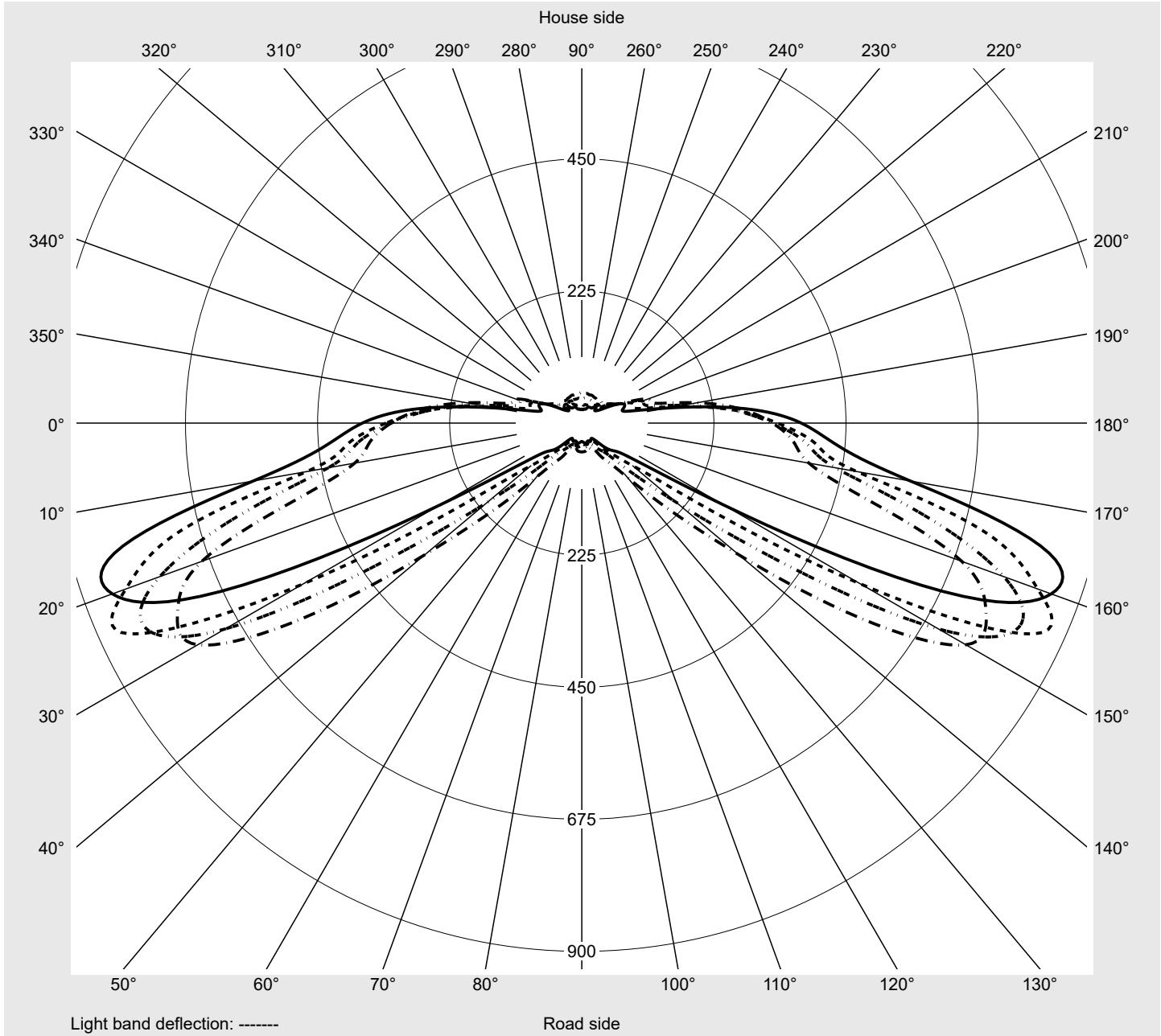
#### Measurement conditions

DIN EN 13032 and DIN 5032

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|                                                 |                                                                |                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Family</b><br><b>Streetlight 21 midi LED</b> | <b>Order number: 5XE3C31D08MB</b><br><b>EAN: 4058352727096</b> | <b>LP number</b><br><b>59081_352</b>                                                         |
| <b>Envelope curve in cd/klm</b>                 |                                                                | <div> <div>KMK 67.5°</div> <div>KMK 65°</div> <div>KMK 62.5°</div> <div>KMK 60°</div> </div> |

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|                                          |                                                  |                            |
|------------------------------------------|--------------------------------------------------|----------------------------|
| Family<br>Streetlight 21 midi LED        | Order number: 5XE3C31D08MB<br>EAN: 4058352727096 | LP number<br>59081_352     |
| 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°         | 241.6                        | 241.6      | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       | 241.6       |
| 2,5°         | 241.2                        | 242.0      | 242.3       | 244.6       | 244.8       | 245.6       | 247.5       | 249.2       | 247.9       | 248.6       | 249.4       | 249.4       | 252.1       |
| 5,0°         | 242.8                        | 244.4      | 246.4       | 248.5       | 250.4       | 250.4       | 252.4       | 251.7       | 252.9       | 252.6       | 256.1       | 257.1       | 257.8       |
| 7,5°         | 238.1                        | 244.7      | 246.4       | 249.3       | 254.1       | 253.8       | 256.3       | 259.1       | 262.2       | 263.1       | 264.0       | 270.2       | 274.3       |
| 10,0°        | 249.5                        | 250.2      | 252.0       | 252.1       | 259.2       | 263.7       | 267.3       | 266.8       | 269.8       | 277.2       | 281.7       | 280.5       | 280.0       |
| 12,5°        | 252.1                        | 255.9      | 263.4       | 267.0       | 269.7       | 278.2       | 283.8       | 288.0       | 292.2       | 295.4       | 292.5       | 284.3       | 282.5       |
| 15,0°        | 254.9                        | 259.7      | 266.2       | 274.9       | 280.0       | 287.7       | 293.3       | 298.3       | 295.3       | 290.9       | 287.2       | 283.7       | 284.2       |
| 17,5°        | 256.6                        | 260.1      | 271.3       | 284.8       | 287.9       | 294.5       | 301.9       | 294.7       | 290.2       | 290.7       | 291.7       | 283.4       | 285.5       |
| 20,0°        | 263.5                        | 268.8      | 274.7       | 282.1       | 289.2       | 296.3       | 303.4       | 296.5       | 296.4       | 293.4       | 288.7       | 286.4       | 289.0       |
| 22,5°        | 259.6                        | 274.8      | 287.3       | 297.4       | 301.8       | 299.5       | 298.4       | 305.1       | 306.8       | 304.8       | 295.9       | 292.1       | 289.5       |
| 25,0°        | 266.1                        | 276.1      | 285.1       | 300.8       | 304.0       | 302.6       | 304.5       | 311.0       | 310.2       | 300.7       | 297.4       | 287.1       | 288.5       |
| 27,5°        | 272.3                        | 279.3      | 296.0       | 304.9       | 309.9       | 314.4       | 317.9       | 310.6       | 307.7       | 310.4       | 295.7       | 288.2       | 284.2       |
| 30,0°        | 274.3                        | 289.2      | 300.3       | 316.6       | 310.7       | 316.6       | 319.9       | 318.9       | 312.8       | 302.3       | 293.0       | 291.8       | 303.0       |
| 32,5°        | 279.1                        | 301.8      | 308.2       | 311.8       | 328.0       | 326.7       | 325.8       | 322.5       | 315.6       | 310.9       | 310.7       | 313.2       | 326.1       |
| 35,0°        | 290.3                        | 306.6      | 313.9       | 321.4       | 326.3       | 335.7       | 340.7       | 328.4       | 326.0       | 321.2       | 325.3       | 345.8       | 350.0       |
| 37,5°        | 294.9                        | 312.8      | 318.0       | 328.7       | 341.1       | 344.6       | 341.9       | 346.7       | 346.5       | 347.6       | 362.9       | 374.3       | 375.4       |
| 40,0°        | 294.3                        | 313.3      | 322.6       | 331.9       | 343.9       | 353.4       | 365.0       | 349.2       | 364.3       | 390.5       | 399.4       | 410.7       | 406.8       |
| 42,5°        | 296.2                        | 309.6      | 325.7       | 338.2       | 359.7       | 369.6       | 367.0       | 368.1       | 396.6       | 441.2       | 445.2       | 430.6       | 422.9       |
| 45,0°        | 295.8                        | 310.9      | 331.9       | 350.3       | 366.0       | 373.9       | 386.4       | 416.1       | 448.0       | 481.0       | 472.9       | 440.8       | 413.9       |
| 47,5°        | 295.0                        | 309.3      | 335.6       | 359.3       | 379.7       | 395.4       | 417.5       | 470.9       | 503.3       | 514.4       | 478.4       | 422.0       | 378.4       |
| 50,0°        | 297.1                        | 314.5      | 341.4       | 367.3       | 399.9       | 438.3       | 493.0       | 538.5       | 552.9       | 521.1       | 455.9       | 389.4       | 328.3       |
| 52,5°        | 304.1                        | 328.9      | 343.7       | 368.4       | 425.7       | 514.1       | 577.6       | 608.3       | 578.7       | 500.9       | 416.3       | 327.5       | 253.0       |
| 55,0°        | 310.1                        | 333.9      | 356.5       | 394.4       | 487.6       | 595.7       | 651.0       | 646.3       | 561.3       | 455.6       | 325.0       | 237.0       | 181.1       |
| 57,5°        | 318.6                        | 348.3      | 372.4       | 430.0       | 573.5       | 693.1       | 711.4       | 657.9       | 500.3       | 322.7       | 213.2       | 147.1       | 101.6       |
| 60,0°        | 324.7                        | 361.8      | 392.8       | 503.4       | 688.8       | 759.6       | 755.3       | 579.5       | 348.8       | 203.5       | 120.8       | 83.4        | 65.9        |
| 62,5°        | 324.4                        | 382.8      | 438.5       | 601.3       | 765.0       | 821.8       | 701.7       | 408.6       | 209.8       | 117.2       | 71.5        | 56.9        | 47.8        |
| 65,0°        | 333.4                        | 399.5      | 475.5       | 706.3       | 826.4       | 849.8       | 548.2       | 221.0       | 113.1       | 76.8        | 55.7        | 41.0        | 36.7        |
| 67,5°        | 373.8                        | 437.3      | 568.4       | 809.1       | 850.8       | 678.6       | 279.2       | 107.7       | 74.5        | 62.1        | 43.2        | 32.6        | 31.2        |
| 70,0°        | 387.7                        | 464.2      | 653.7       | 826.1       | 758.4       | 435.7       | 109.8       | 75.1        | 59.5        | 49.6        | 33.2        | 30.6        | 30.4        |
| 72,5°        | 352.6                        | 441.9      | 676.5       | 725.8       | 577.5       | 196.6       | 70.4        | 55.5        | 45.7        | 39.8        | 29.7        | 22.8        | 23.7        |
| 75,0°        | 295.8                        | 412.3      | 568.9       | 514.5       | 344.7       | 80.9        | 53.8        | 39.8        | 29.9        | 31.3        | 23.0        | 17.7        | 16.7        |
| 77,5°        | 213.1                        | 276.5      | 324.1       | 259.9       | 142.0       | 43.1        | 29.2        | 20.9        | 19.0        | 22.5        | 18.6        | 15.0        | 14.8        |
| 80,0°        | 96.9                         | 99.6       | 98.7        | 79.6        | 43.8        | 20.2        | 12.7        | 11.1        | 13.4        | 14.1        | 12.0        | 9.7         | 10.4        |
| 82,5°        | 18.6                         | 21.9       | 19.9        | 11.4        | 8.2         | 6.5         | 5.2         | 5.0         | 6.6         | 7.4         | 7.2         | 5.6         | 6.1         |
| 85,0°        | 1.2                          | 1.2        | 1.3         | 1.4         | 1.4         | 1.6         | 1.6         | 1.7         | 2.2         | 2.8         | 2.5         | 2.3         | 2.1         |
| 87,5°        | 0.3                          | 0.3        | 0.3         | 0.4         | 0.4         | 0.5         | 0.5         | 0.4         | 0.4         | 0.4         | 0.5         | 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         |

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|                                          |                              |                                                  |             |             |            |       |              |              |              |                            |              |                        |              |
|------------------------------------------|------------------------------|--------------------------------------------------|-------------|-------------|------------|-------|--------------|--------------|--------------|----------------------------|--------------|------------------------|--------------|
| Family<br>Streetlight 21 midi LED        |                              | Order number: 5XE3C31D08MB<br>EAN: 4058352727096 |             |             |            |       |              |              |              |                            |              | LP number<br>59081_352 |              |
| 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°                                     | 241.6                        | 241.6                                            | 241.6       | 241.6       | 241.6      | 241.6 | 241.6        | 241.6        | 241.6        | 241.6                      | 241.6        | 241.6                  | 241.6        |
| 2,5°                                     | 252.7                        | 252.3                                            | 253.5       | 253.9       | 252.0      | 253.8 | 240.2        | 239.2        | 240.4        | 239.0                      | 237.8        | 236.9                  | 238.2        |
| 5,0°                                     | 261.6                        | 262.9                                            | 262.6       | 262.5       | 264.1      | 265.6 | 242.6        | 240.6        | 238.7        | 238.3                      | 235.4        | 234.3                  | 235.6        |
| 7,5°                                     | 275.6                        | 278.5                                            | 278.2       | 277.4       | 277.8      | 277.0 | 238.4        | 241.3        | 240.2        | 242.8                      | 238.2        | 235.5                  | 230.7        |
| 10,0°                                    | 284.8                        | 286.5                                            | 285.3       | 284.2       | 283.5      | 286.0 | 246.7        | 248.1        | 242.7        | 241.4                      | 234.0        | 230.9                  | 226.1        |
| 12,5°                                    | 282.9                        | 285.3                                            | 280.5       | 275.7       | 279.2      | 280.2 | 254.8        | 247.0        | 239.2        | 236.8                      | 229.0        | 222.6                  | 221.7        |
| 15,0°                                    | 281.8                        | 277.5                                            | 277.9       | 279.4       | 277.7      | 277.4 | 244.7        | 239.6        | 238.4        | 234.6                      | 230.0        | 219.2                  | 214.8        |
| 17,5°                                    | 283.9                        | 277.3                                            | 277.7       | 278.9       | 281.6      | 284.0 | 248.6        | 244.3        | 240.8        | 236.9                      | 228.6        | 219.6                  | 210.1        |
| 20,0°                                    | 284.6                        | 279.3                                            | 279.5       | 278.5       | 278.6      | 283.3 | 250.4        | 244.8        | 243.7        | 227.9                      | 221.0        | 216.4                  | 210.3        |
| 22,5°                                    | 284.0                        | 276.8                                            | 272.6       | 269.1       | 269.6      | 266.4 | 255.9        | 245.3        | 244.2        | 231.5                      | 219.1        | 210.1                  | 200.8        |
| 25,0°                                    | 275.9                        | 270.8                                            | 271.0       | 266.2       | 274.3      | 266.8 | 255.1        | 246.9        | 247.0        | 236.8                      | 224.1        | 207.1                  | 197.3        |
| 27,5°                                    | 277.2                        | 288.3                                            | 288.6       | 296.6       | 291.7      | 292.3 | 261.4        | 252.5        | 247.8        | 238.4                      | 222.4        | 196.8                  | 187.3        |
| 30,0°                                    | 300.5                        | 303.6                                            | 307.8       | 308.9       | 315.5      | 295.9 | 263.4        | 249.0        | 247.9        | 235.1                      | 214.7        | 195.0                  | 180.4        |
| 32,5°                                    | 328.9                        | 326.4                                            | 327.8       | 332.8       | 327.9      | 340.2 | 269.9        | 256.6        | 249.9        | 235.9                      | 208.8        | 190.6                  | 172.1        |
| 35,0°                                    | 351.6                        | 348.3                                            | 339.6       | 342.2       | 331.1      | 336.2 | 268.3        | 256.9        | 245.4        | 228.0                      | 192.6        | 183.8                  | 161.7        |
| 37,5°                                    | 368.3                        | 358.0                                            | 349.0       | 341.4       | 341.3      | 326.8 | 275.2        | 256.7        | 243.1        | 220.7                      | 189.6        | 173.4                  | 144.9        |
| 40,0°                                    | 386.9                        | 376.4                                            | 360.5       | 348.9       | 343.2      | 330.2 | 273.0        | 257.9        | 233.4        | 208.2                      | 175.4        | 159.5                  | 133.5        |
| 42,5°                                    | 394.5                        | 377.0                                            | 352.8       | 342.8       | 324.4      | 313.6 | 277.4        | 255.6        | 229.9        | 194.1                      | 171.3        | 138.8                  | 126.0        |
| 45,0°                                    | 373.7                        | 341.2                                            | 311.2       | 287.0       | 275.0      | 280.3 | 269.7        | 257.0        | 221.7        | 179.7                      | 156.7        | 124.5                  | 119.8        |
| 47,5°                                    | 332.0                        | 291.1                                            | 265.7       | 241.8       | 221.6      | 223.1 | 275.8        | 249.1        | 205.7        | 165.3                      | 142.6        | 109.4                  | 111.0        |
| 50,0°                                    | 269.1                        | 232.1                                            | 206.2       | 184.4       | 172.7      | 170.4 | 273.8        | 244.3        | 195.3        | 150.3                      | 126.0        | 94.7                   | 101.4        |
| 52,5°                                    | 205.2                        | 169.9                                            | 145.0       | 128.5       | 115.1      | 114.5 | 281.2        | 239.7        | 184.0        | 136.5                      | 110.2        | 80.3                   | 85.7         |
| 55,0°                                    | 131.1                        | 105.8                                            | 91.9        | 86.1        | 80.5       | 76.4  | 280.3        | 234.7        | 170.5        | 129.9                      | 97.7         | 73.5                   | 69.5         |
| 57,5°                                    | 73.3                         | 66.6                                             | 63.9        | 61.6        | 62.7       | 65.4  | 278.3        | 218.0        | 152.3        | 128.6                      | 92.8         | 69.3                   | 60.8         |
| 60,0°                                    | 48.6                         | 47.2                                             | 42.4        | 46.5        | 48.7       | 49.2  | 272.7        | 199.4        | 130.1        | 119.1                      | 83.8         | 65.0                   | 57.4         |
| 62,5°                                    | 40.8                         | 39.5                                             | 39.7        | 41.1        | 40.0       | 38.8  | 256.8        | 173.8        | 115.3        | 109.6                      | 83.4         | 61.6                   | 54.5         |
| 65,0°                                    | 37.1                         | 33.9                                             | 37.3        | 36.9        | 36.5       | 33.5  | 258.2        | 159.9        | 96.1         | 94.2                       | 81.3         | 61.6                   | 46.5         |
| 67,5°                                    | 34.6                         | 32.3                                             | 33.4        | 34.6        | 33.0       | 31.3  | 280.0        | 147.2        | 77.5         | 76.0                       | 77.6         | 59.7                   | 40.8         |
| 70,0°                                    | 32.0                         | 32.4                                             | 30.4        | 31.7        | 27.2       | 29.4  | 247.6        | 108.4        | 58.8         | 62.7                       | 73.3         | 58.4                   | 38.2         |
| 72,5°                                    | 25.2                         | 26.4                                             | 26.2        | 25.4        | 24.8       | 23.6  | 184.7        | 71.9         | 48.7         | 47.4                       | 57.3         | 50.8                   | 34.9         |
| 75,0°                                    | 18.7                         | 17.1                                             | 18.0        | 18.7        | 18.1       | 18.1  | 95.7         | 27.7         | 25.4         | 34.3                       | 36.0         | 34.8                   | 26.3         |
| 77,5°                                    | 14.2                         | 12.3                                             | 12.0        | 12.2        | 12.3       | 12.3  | 55.6         | 9.6          | 10.9         | 31.1                       | 30.8         | 23.9                   | 17.8         |
| 80,0°                                    | 9.5                          | 8.8                                              | 8.8         | 7.5         | 7.9        | 7.8   | 31.0         | 5.8          | 8.6          | 24.2                       | 22.9         | 16.0                   | 10.4         |
| 82,5°                                    | 5.3                          | 5.0                                              | 4.6         | 4.2         | 4.0        | 3.9   | 6.6          | 3.0          | 4.1          | 6.3                        | 5.3          | 3.5                    | 3.5          |
| 85,0°                                    | 2.4                          | 2.0                                              | 1.4         | 1.5         | 1.4        | 1.5   | 1.1          | 1.0          | 1.1          | 0.9                        | 0.9          | 0.9                    | 0.8          |
| 87,5°                                    | 0.4                          | 0.4                                              | 0.3         | 0.3         | 0.3        | 0.2   | 0.3          | 0.3          | 0.2          | 0.2                        | 0.2          | 0.2                    | 0.2          |
| 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                                   |                              |              |              | Order number: 5XE3C31D08MB |              |              |              |              |              |              |       | LP number                  |                   |        |  |
|------------------------------------------|------------------------------|--------------|--------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|----------------------------|-------------------|--------|--|
| Streetlight 21 midi LED                  |                              |              |              | EAN: 4058352727096         |              |              |              |              |              |              |       | 59081_352                  |                   |        |  |
| 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°                                     | 241.6                        | 241.6        | 241.6        | 241.6                      | 241.6        | 241.6        | 241.6        | 241.6        | 241.6        | 241.6        | 241.6 | 0.4                        | 0.4               |        |  |
| 2,5°                                     | 241.3                        | 240.5        | 242.5        | 240.1                      | 240.5        | 238.9        | 241.6        | 240.1        | 240.9        | 241.1        | 242.6 | 2.9                        | 3.3               |        |  |
| 5,0°                                     | 232.5                        | 230.0        | 225.5        | 221.8                      | 226.5        | 227.3        | 225.3        | 224.8        | 224.3        | 223.2        | 221.9 | 5.8                        | 9.1               |        |  |
| 7,5°                                     | 228.8                        | 226.5        | 219.5        | 220.7                      | 219.6        | 217.7        | 217.0        | 215.7        | 214.0        | 216.2        | 214.1 | 8.8                        | 17.9              |        |  |
| 10,0°                                    | 221.8                        | 216.9        | 211.2        | 208.7                      | 206.8        | 206.5        | 210.1        | 210.0        | 211.5        | 208.9        | 215.3 | 11.8                       | 29.6              |        |  |
| 12,5°                                    | 221.7                        | 219.0        | 212.0        | 208.5                      | 206.1        | 204.8        | 203.5        | 204.8        | 201.1        | 201.1        | 201.2 | 14.8                       | 44.4              |        |  |
| 15,0°                                    | 211.3                        | 207.1        | 204.4        | 200.9                      | 196.2        | 194.7        | 186.5        | 183.8        | 185.7        | 182.0        | 180.8 | 17.4                       | 61.9              |        |  |
| 17,5°                                    | 206.3                        | 200.6        | 196.9        | 186.4                      | 183.3        | 178.8        | 172.8        | 169.8        | 169.5        | 171.3        | 167.7 | 20.1                       | 82.0              |        |  |
| 20,0°                                    | 201.6                        | 192.2        | 182.0        | 171.8                      | 168.4        | 169.4        | 161.9        | 159.0        | 152.8        | 148.9        | 148.7 | 22.6                       | 104.6             |        |  |
| 22,5°                                    | 189.5                        | 176.3        | 168.2        | 165.5                      | 154.6        | 153.5        | 147.6        | 143.0        | 146.7        | 143.6        | 139.5 | 25.0                       | 129.6             |        |  |
| 25,0°                                    | 184.5                        | 169.4        | 158.8        | 149.7                      | 145.1        | 148.3        | 144.2        | 138.2        | 133.4        | 130.4        | 128.2 | 27.4                       | 157.0             |        |  |
| 27,5°                                    | 173.0                        | 162.7        | 150.4        | 149.3                      | 152.3        | 145.3        | 136.2        | 132.8        | 127.0        | 122.5        | 119.2 | 30.2                       | 187.2             |        |  |
| 30,0°                                    | 162.4                        | 143.6        | 144.2        | 152.2                      | 146.6        | 139.1        | 131.5        | 121.9        | 116.8        | 109.9        | 110.0 | 32.9                       | 220.1             |        |  |
| 32,5°                                    | 151.4                        | 142.8        | 146.9        | 152.1                      | 141.3        | 130.1        | 121.6        | 111.3        | 102.8        | 98.5         | 94.4  | 36.1                       | 256.2             |        |  |
| 35,0°                                    | 140.7                        | 148.0        | 157.5        | 143.3                      | 130.4        | 119.8        | 107.6        | 101.9        | 94.1         | 89.2         | 89.6  | 39.0                       | 295.2             |        |  |
| 37,5°                                    | 138.0                        | 151.9        | 149.9        | 134.8                      | 118.8        | 107.3        | 100.5        | 88.0         | 82.4         | 76.3         | 72.6  | 41.9                       | 337.1             |        |  |
| 40,0°                                    | 134.4                        | 154.1        | 135.3        | 122.6                      | 107.1        | 94.1         | 82.6         | 75.7         | 70.2         | 69.0         | 67.6  | 44.8                       | 381.9             |        |  |
| 42,5°                                    | 138.4                        | 139.5        | 121.1        | 109.8                      | 93.4         | 82.5         | 71.8         | 67.9         | 67.8         | 68.3         | 64.3  | 47.4                       | 429.2             |        |  |
| 45,0°                                    | 135.6                        | 129.0        | 109.2        | 95.4                       | 84.3         | 74.3         | 65.8         | 66.7         | 65.5         | 64.6         | 65.4  | 48.8                       | 478.1             |        |  |
| 47,5°                                    | 125.8                        | 116.1        | 98.6         | 83.3                       | 73.0         | 64.2         | 64.1         | 63.7         | 65.2         | 64.9         | 63.6  | 49.6                       | 527.7             |        |  |
| 50,0°                                    | 107.6                        | 99.0         | 88.5         | 78.2                       | 64.9         | 64.1         | 63.1         | 62.8         | 63.9         | 65.5         | 68.4  | 50.0                       | 577.6             |        |  |
| 52,5°                                    | 82.9                         | 78.7         | 77.0         | 68.7                       | 62.1         | 60.2         | 64.1         | 62.3         | 63.2         | 61.5         | 60.9  | 49.5                       | 627.1             |        |  |
| 55,0°                                    | 64.7                         | 64.0         | 67.3         | 59.9                       | 58.1         | 58.2         | 61.6         | 60.8         | 61.2         | 59.8         | 60.3  | 48.5                       | 675.6             |        |  |
| 57,5°                                    | 53.0                         | 55.4         | 58.6         | 53.2                       | 55.7         | 56.3         | 57.2         | 58.4         | 55.2         | 57.5         | 58.2  | 47.1                       | 722.8             |        |  |
| 60,0°                                    | 49.5                         | 48.0         | 49.5         | 47.1                       | 48.3         | 48.9         | 50.3         | 49.9         | 51.1         | 50.6         | 52.4  | 45.5                       | 768.2             |        |  |
| 62,5°                                    | 42.5                         | 42.0         | 42.1         | 39.9                       | 42.7         | 41.6         | 42.2         | 42.0         | 42.4         | 42.1         | 39.2  | 43.6                       | 811.9             |        |  |
| 65,0°                                    | 40.5                         | 35.1         | 38.1         | 36.5                       | 35.7         | 35.7         | 33.2         | 31.9         | 31.9         | 30.6         | 32.6  | 41.7                       | 853.6             |        |  |
| 67,5°                                    | 33.0                         | 31.2         | 36.8         | 31.9                       | 30.2         | 29.8         | 27.8         | 24.5         | 24.4         | 22.9         | 23.8  | 39.4                       | 892.9             |        |  |
| 70,0°                                    | 29.7                         | 26.8         | 31.6         | 27.6                       | 24.7         | 23.0         | 20.2         | 19.4         | 17.5         | 17.6         | 16.9  | 35.6                       | 928.5             |        |  |
| 72,5°                                    | 23.8                         | 22.1         | 24.3         | 22.0                       | 18.8         | 15.9         | 14.1         | 13.3         | 12.0         | 11.5         | 10.8  | 29.6                       | 958.2             |        |  |
| 75,0°                                    | 17.8                         | 15.2         | 17.8         | 16.9                       | 13.4         | 11.6         | 9.2          | 7.4          | 6.2          | 5.9          | 5.9   | 21.6                       | 979.7             |        |  |
| 77,5°                                    | 13.5                         | 11.4         | 11.0         | 11.4                       | 10.7         | 7.7          | 5.3          | 3.3          | 2.5          | 1.9          | 1.7   | 12.8                       | 992.6             |        |  |
| 80,0°                                    | 7.9                          | 5.9          | 6.5          | 6.2                        | 5.3          | 4.4          | 3.9          | 1.5          | 1.0          | 0.8          | 0.8   | 5.5                        | 998.1             |        |  |
| 82,5°                                    | 3.3                          | 2.7          | 2.5          | 2.3                        | 2.2          | 1.7          | 2.0          | 0.7          | 0.3          | 0.2          | 0.2   | 1.5                        | 999.6             |        |  |
| 85,0°                                    | 0.6                          | 0.6          | 0.5          | 0.4                        | 0.2          | 0.2          | 0.2          | 0.1          | 0.0          | 0.1          | 0.1   | 0.3                        | 999.9             |        |  |
| 87,5°                                    | 0.1                          | 0.1          | 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            |        |  |

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

## Photometric test report

|                                          |                                                                |                                 |
|------------------------------------------|----------------------------------------------------------------|---------------------------------|
| Family<br><b>Streetlight 21 midi LED</b> | Order number: <b>5XE3C31D08MB</b><br>EAN: <b>4058352727096</b> | LP number<br><b>59081_352</b>   |
| Dimming levels table                     |                                                                | environmental temperature: 25°C |
|                                          |                                                                | <b>sit</b> eco                  |

| 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                       | 19500              | 146.7                                  | 161.2                                | 154.0                        |
| 95                | 241                  | 252                       | 18502              | 135.9                                  | 149.3                                | 142.6                        |
| 90                | 229                  | 250                       | 17581              | 126.6                                  | 138.9                                | 132.8                        |
| 85                | 216                  | 248                       | 16583              | 117.1                                  | 128.4                                | 122.8                        |
| 80                | 203                  | 246                       | 15585              | 107.9                                  | 118.3                                | 113.1                        |
| 75                | 190                  | 243                       | 14587              | 99.3                                   | 108.6                                | 104.0                        |
| 70                | 178                  | 241                       | 13665              | 91.5                                   | 100.1                                | 95.8                         |
| 65                | 165                  | 238                       | 12667              | 83.4                                   | 91.3                                 | 87.4                         |
| 60                | 152                  | 235                       | 11669              | 75.7                                   | 82.7                                 | 79.2                         |
| 55                | 140                  | 232                       | 10748              | 68.9                                   | 75.2                                 | 72.1                         |
| 50                | 127                  | 229                       | 9750               | 61.7                                   | 67.3                                 | 64.5                         |
| 45                | 114                  | 225                       | 8752               | 54.7                                   | 59.6                                 | 57.2                         |
| 40                | 102                  | 221                       | 7831               | 48.3                                   | 52.8                                 | 50.6                         |
| 35                | 89                   | 216                       | 6833               | 41.7                                   | 45.4                                 | 43.6                         |
| 30                | 76                   | 210                       | 5835               | 35.3                                   | 38.5                                 | 36.9                         |
| 25                | 63                   | 203                       | 4837               | 29.2                                   | 31.7                                 | 30.4                         |
| 20                | 51                   | 195                       | 3915               | 23.8                                   | 25.8                                 | 24.8                         |
| 15                | 38                   | 184                       | 2917               | 18.1                                   | 19.5                                 | 18.8                         |
| 11                | 27                   | 172                       | 2073               | 13.3                                   | 14.3                                 | 13.8                         |

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

| 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                       | 19500              | 141.2                                  | 147.7                                | 144.4                        |
| 95                | 241                  | 252                       | 18502              | 131.5                                  | 137.4                                | 134.4                        |
| 90                | 229                  | 250                       | 17581              | 123.1                                  | 128.5                                | 125.8                        |
| 85                | 216                  | 248                       | 16583              | 114.1                                  | 119.2                                | 116.6                        |
| 80                | 203                  | 246                       | 15585              | 105.6                                  | 110.2                                | 107.9                        |
| 75                | 190                  | 243                       | 14587              | 97.3                                   | 101.6                                | 99.4                         |
| 70                | 178                  | 241                       | 13665              | 90.1                                   | 94.0                                 | 92.0                         |
| 65                | 165                  | 238                       | 12667              | 82.4                                   | 85.9                                 | 84.2                         |
| 60                | 152                  | 235                       | 11669              | 74.9                                   | 78.1                                 | 76.5                         |
| 55                | 140                  | 232                       | 10748              | 68.2                                   | 71.2                                 | 69.7                         |
| 50                | 127                  | 229                       | 9750               | 61.2                                   | 63.8                                 | 62.5                         |
| 45                | 114                  | 225                       | 8752               | 54.4                                   | 56.7                                 | 55.6                         |
| 40                | 102                  | 221                       | 7831               | 48.1                                   | 50.3                                 | 49.2                         |
| 35                | 89                   | 216                       | 6833               | 41.6                                   | 43.4                                 | 42.5                         |
| 30                | 76                   | 210                       | 5835               | 35.3                                   | 36.8                                 | 36.0                         |
| 25                | 63                   | 203                       | 4837               | 29.3                                   | 30.4                                 | 29.8                         |
| 20                | 51                   | 195                       | 3915               | 23.9                                   | 24.7                                 | 24.3                         |
| 15                | 38                   | 184                       | 2917               | 18.2                                   | 18.8                                 | 18.5                         |
| 11                | 27                   | 172                       | 2073               | 13.4                                   | 13.9                                 | 13.6                         |

Photometric test report

|                                   |                                                  |                        |
|-----------------------------------|--------------------------------------------------|------------------------|
| Family<br>Streetlight 21 midi LED | Order number: 5XE3C31D08MB<br>EAN: 4058352727096 | LP number<br>59081_352 |
| 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                       | 19500              | 143.5                                  | 152.2                                | 147.8                        |
| 95                | 241                  | 252                       | 18502              | 133.4                                  | 141.3                                | 137.4                        |
| 90                | 229                  | 250                       | 17581              | 124.6                                  | 131.9                                | 128.2                        |
| 85                | 216                  | 248                       | 16583              | 115.4                                  | 122.2                                | 118.8                        |
| 80                | 203                  | 246                       | 15585              | 106.6                                  | 112.7                                | 109.6                        |
| 75                | 190                  | 243                       | 14587              | 98.2                                   | 103.8                                | 101.0                        |
| 70                | 178                  | 241                       | 13665              | 90.7                                   | 95.8                                 | 93.2                         |
| 65                | 165                  | 238                       | 12667              | 82.8                                   | 87.5                                 | 85.2                         |
| 60                | 152                  | 235                       | 11669              | 75.2                                   | 79.5                                 | 77.4                         |
| 55                | 140                  | 232                       | 10748              | 68.5                                   | 72.3                                 | 70.4                         |
| 50                | 127                  | 229                       | 9750               | 61.4                                   | 64.8                                 | 63.1                         |
| 45                | 114                  | 225                       | 8752               | 54.5                                   | 57.5                                 | 56.0                         |
| 40                | 102                  | 221                       | 7831               | 48.2                                   | 50.9                                 | 49.6                         |
| 35                | 89                   | 216                       | 6833               | 41.6                                   | 43.9                                 | 42.8                         |
| 30                | 76                   | 210                       | 5835               | 35.3                                   | 37.2                                 | 36.2                         |
| 25                | 63                   | 203                       | 4837               | 29.1                                   | 30.7                                 | 29.9                         |
| 20                | 51                   | 195                       | 3915               | 23.8                                   | 24.9                                 | 24.4                         |
| 15                | 38                   | 184                       | 2917               | 18.1                                   | 18.9                                 | 18.5                         |
| 11                | 27                   | 172                       | 2073               | 13.4                                   | 14.0                                 | 13.7                         |

Photometric test report

|                                   |                                                  |                        |
|-----------------------------------|--------------------------------------------------|------------------------|
| Family<br>Streetlight 21 midi LED | Order number: 5XE3C31D08MB<br>EAN: 4058352727096 | LP number<br>59081_352 |
| Luminousfluxs table               |                                                  | siteco                 |

| Temperature<br>°C | Luminous flux<br>lm | Power consumption<br>W |
|-------------------|---------------------|------------------------|
| 25.0              | 19500.0             | 146.7                  |
| 5.0               | 19500.0             | 141.2                  |
| 15.0              | 19500.0             | 143.5                  |