

## Photometric test report

### Family Streetlight 11 micro LED

**Order number: 5XC1A41Y08CE**  
**EAN: 4058352918616**

**LP number**  
**58065\_151**



|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| <b>Version</b>      | post-top or side-entry mounting, Smart Interface up/down                                    |
| <b>Optic</b>        | direct, asymmetric wide distribution S120001                                                |
| <b>Cover</b>        | transparent, PMMA                                                                           |
| <b>Lamps</b>        | LED 4000 K   CRI ≥ 70                                                                       |
| <b>Controlgear</b>  | ECG SITECO iQ - DALI2                                                                       |
| <b>Rated values</b> | Net luminous flux = 1960 lm<br>Power consumption = 12.3 W<br>Luminous efficacy = 159.4 lm/W |

**serial**  
**documentation**  
**27.07.2023**

**siteco**

**Luminous intensity in cd/klm**

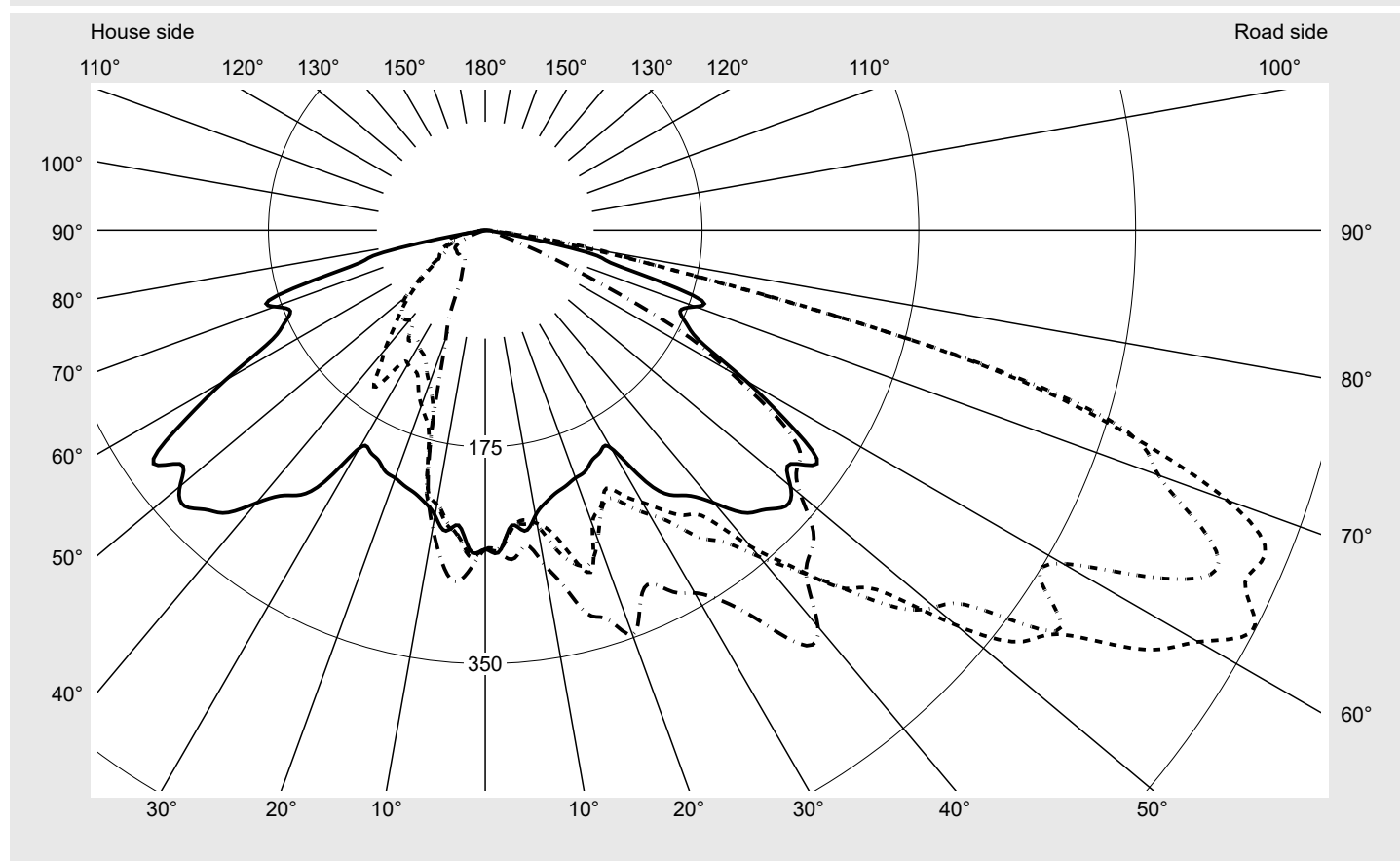
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 699 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°  | 637.5 |
| Imax 80°  | 98.2  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

#### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family  
**Streetlight 11 micro LED**

Order number: **5XC1A41Y08CE**  
EAN: **4058352918616**

LP number  
**58065\_151**

Envelope curve in cd/klm

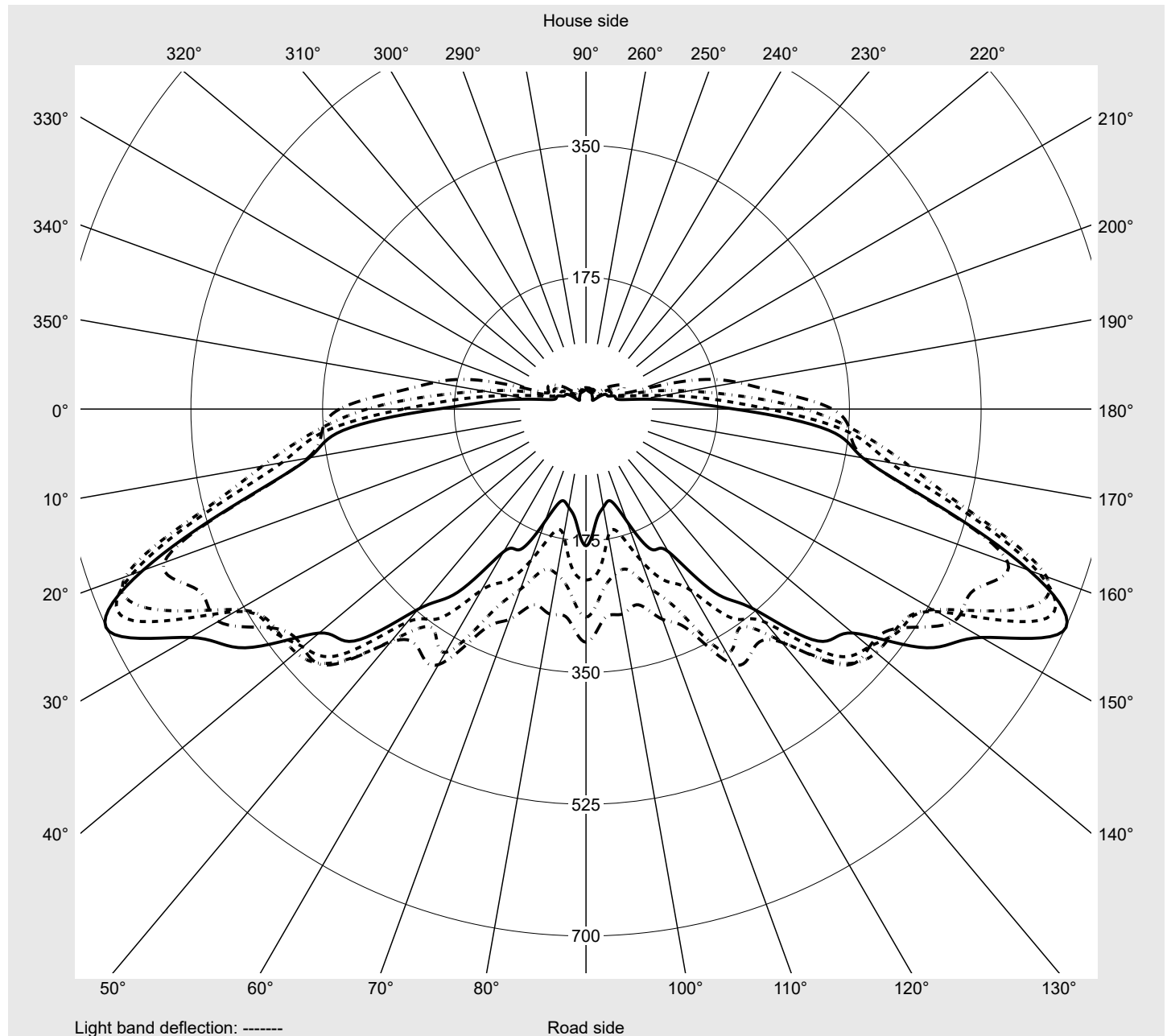
KMK 62.5°

KMK 60°

KMK 57.5°

KMK 55°

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Photometric test report

|                                          |                                                  |                            |
|------------------------------------------|--------------------------------------------------|----------------------------|
| Family<br>Streetlight 11 micro LED       | Order number: 5XC1A41Y08CE<br>EAN: 4058352918616 | LP number<br>58065_151     |
| 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°         | 257.7                        | 257.7      | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       | 257.7       |
| 2,5°         | 259.9                        | 259.7      | 259.7       | 260.1       | 259.7       | 258.6       | 257.4       | 255.7       | 253.8       | 253.3       | 252.7       | 252.9       | 253.7       |
| 5,0°         | 239.6                        | 238.9      | 237.5       | 239.1       | 243.2       | 242.7       | 240.8       | 244.6       | 250.6       | 256.3       | 263.1       | 271.3       | 271.3       |
| 7,5°         | 244.9                        | 242.1      | 235.6       | 230.9       | 228.8       | 236.0       | 239.4       | 250.8       | 256.3       | 259.9       | 254.4       | 255.2       | 258.8       |
| 10,0°        | 233.7                        | 243.2      | 241.5       | 238.9       | 240.0       | 240.4       | 242.7       | 243.0       | 250.6       | 255.7       | 265.4       | 267.5       | 278.3       |
| 12,5°        | 225.2                        | 233.7      | 239.6       | 245.3       | 250.1       | 250.4       | 263.7       | 271.5       | 263.5       | 263.7       | 272.0       | 275.3       | 277.7       |
| 15,0°        | 219.7                        | 229.0      | 247.6       | 256.3       | 265.0       | 273.9       | 278.9       | 272.2       | 267.7       | 271.1       | 272.8       | 264.7       | 275.6       |
| 17,5°        | 216.5                        | 223.5      | 248.2       | 257.8       | 271.3       | 287.6       | 282.1       | 276.8       | 264.1       | 264.7       | 264.1       | 271.1       | 270.1       |
| 20,0°        | 212.9                        | 224.3      | 235.6       | 241.9       | 249.3       | 252.9       | 265.6       | 273.9       | 277.0       | 265.4       | 250.6       | 254.8       | 274.5       |
| 22,5°        | 210.8                        | 219.3      | 222.6       | 234.7       | 239.4       | 243.0       | 245.1       | 248.3       | 255.4       | 253.7       | 253.7       | 262.2       | 262.4       |
| 25,0°        | 204.6                        | 216.7      | 224.8       | 227.7       | 230.5       | 230.3       | 238.7       | 255.2       | 263.5       | 262.2       | 277.0       | 272.4       | 278.5       |
| 27,5°        | 201.5                        | 215.0      | 216.5       | 224.8       | 233.7       | 241.5       | 251.4       | 261.8       | 265.4       | 279.6       | 301.0       | 305.2       | 312.8       |
| 30,0°        | 203.0                        | 214.8      | 220.7       | 231.7       | 244.7       | 253.8       | 265.0       | 270.1       | 283.8       | 299.2       | 324.7       | 337.6       | 348.1       |
| 32,5°        | 240.0                        | 235.6      | 234.5       | 235.3       | 252.5       | 268.3       | 280.4       | 287.4       | 312.2       | 327.0       | 350.0       | 360.2       | 381.1       |
| 35,0°        | 261.0                        | 262.6      | 256.5       | 255.9       | 264.3       | 281.0       | 303.1       | 310.9       | 322.3       | 347.3       | 367.4       | 382.6       | 402.5       |
| 37,5°        | 270.1                        | 279.4      | 281.0       | 280.8       | 282.5       | 292.3       | 317.5       | 330.6       | 342.0       | 366.8       | 377.3       | 417.6       | 423.1       |
| 40,0°        | 287.6                        | 289.7      | 295.7       | 308.3       | 316.2       | 333.5       | 344.3       | 342.9       | 362.1       | 396.0       | 398.7       | 425.6       | 460.3       |
| 42,5°        | 309.6                        | 310.1      | 306.5       | 320.6       | 345.6       | 369.9       | 373.1       | 366.5       | 370.1       | 405.9       | 409.7       | 424.1       | 463.7       |
| 45,0°        | 319.1                        | 326.6      | 339.9       | 375.4       | 394.1       | 408.9       | 409.3       | 397.9       | 403.0       | 408.5       | 412.3       | 421.8       | 444.0       |
| 47,5°        | 329.5                        | 324.9      | 325.9       | 392.6       | 432.8       | 430.2       | 451.0       | 434.1       | 450.1       | 424.7       | 412.7       | 419.2       | 439.1       |
| 50,0°        | 321.7                        | 337.0      | 337.0       | 403.0       | 489.7       | 496.5       | 473.8       | 484.8       | 475.1       | 452.0       | 430.2       | 413.1       | 420.5       |
| 52,5°        | 310.1                        | 321.7      | 346.7       | 404.6       | 507.5       | 545.8       | 500.9       | 473.0       | 508.8       | 459.5       | 427.7       | 416.3       | 397.2       |
| 55,0°        | 327.4                        | 352.3      | 375.6       | 473.9       | 596.6       | 568.9       | 564.2       | 507.3       | 491.6       | 480.8       | 404.6       | 388.3       | 392.0       |
| 57,5°        | 290.6                        | 365.3      | 436.7       | 530.2       | 651.2       | 630.3       | 533.1       | 505.4       | 503.3       | 477.0       | 401.5       | 355.3       | 373.3       |
| 60,0°        | 242.7                        | 350.2      | 410.5       | 516.6       | 642.3       | 664.7       | 538.2       | 510.5       | 491.4       | 462.0       | 369.5       | 339.3       | 277.9       |
| 62,5°        | 197.0                        | 323.8      | 373.5       | 476.4       | 626.6       | 699.2       | 606.8       | 553.0       | 462.9       | 435.8       | 347.1       | 297.1       | 218.8       |
| 65,0°        | 179.5                        | 280.2      | 343.1       | 404.0       | 556.8       | 676.6       | 650.6       | 531.2       | 454.6       | 415.7       | 339.3       | 267.7       | 193.9       |
| 67,5°        | 170.4                        | 253.6      | 315.8       | 366.1       | 567.4       | 681.7       | 625.0       | 497.3       | 409.1       | 364.7       | 296.5       | 241.5       | 173.8       |
| 70,0°        | 180.7                        | 254.0      | 305.9       | 356.9       | 500.0       | 637.5       | 578.2       | 458.2       | 366.5       | 303.9       | 243.8       | 186.5       | 151.1       |
| 72,5°        | 177.1                        | 253.8      | 262.9       | 340.7       | 417.3       | 539.9       | 545.4       | 397.0       | 317.0       | 272.8       | 193.0       | 154.3       | 144.8       |
| 75,0°        | 110.7                        | 201.4      | 253.0       | 322.9       | 326.5       | 401.9       | 408.9       | 286.5       | 228.6       | 201.1       | 142.4       | 135.5       | 132.5       |
| 77,5°        | 88.0                         | 125.7      | 156.6       | 239.2       | 175.9       | 190.1       | 183.1       | 164.0       | 125.9       | 136.7       | 94.4        | 91.6        | 91.9        |
| 80,0°        | 24.5                         | 28.1       | 39.4        | 78.7        | 68.8        | 80.0        | 96.1        | 98.2        | 94.9        | 89.3        | 52.1        | 31.7        | 29.0        |
| 82,5°        | 5.9                          | 6.6        | 7.8         | 9.5         | 12.1        | 17.6        | 35.1        | 52.1        | 44.2        | 29.6        | 19.5        | 15.7        | 12.1        |
| 85,0°        | 4.2                          | 4.4        | 4.7         | 5.5         | 6.8         | 8.0         | 8.7         | 9.7         | 9.9         | 9.1         | 8.5         | 7.6         | 7.2         |
| 87,5°        | 2.7                          | 2.7        | 3.0         | 3.4         | 3.8         | 4.6         | 4.7         | 5.1         | 5.3         | 4.9         | 4.6         | 4.2         | 3.6         |
| 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         |
| 100,0°       | 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         |
| 110,0°       | 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         |
| 120,0°       | 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         |
| 130,0°       | 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         |
| 140,0°       | 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         |
| 150,0°       | 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         |
| 160,0°       | 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         |
| 170,0°       | 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         |
| 180,0°       | 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 11 micro LED       | Order number: 5XC1A41Y08CE<br>EAN: 4058352918616 | LP number<br>58065_151     |
| 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°         | 257.7                        | 257.7       | 257.7       | 257.7       | 257.7      | 257.7 | 257.7        | 257.7        | 257.7        | 257.7        | 257.7        | 257.7        | 257.7        |
| 2,5°         | 255.2                        | 257.3       | 259.0       | 260.5       | 261.0      | 260.5 | 260.5        | 260.9        | 261.4        | 262.0        | 262.8        | 264.3        | 266.5        |
| 5,0°         | 271.1                        | 267.7       | 264.7       | 264.1       | 266.0      | 266.2 | 241.5        | 243.6        | 246.1        | 247.0        | 247.8        | 248.5        | 247.0        |
| 7,5°         | 257.6                        | 258.8       | 261.4       | 260.7       | 257.3      | 256.7 | 241.5        | 238.9        | 239.6        | 239.6        | 239.4        | 237.4        | 234.1        |
| 10,0°        | 278.1                        | 274.7       | 268.3       | 265.0       | 270.1      | 274.1 | 225.6        | 221.4        | 223.7        | 228.4        | 224.8        | 224.5        | 220.5        |
| 12,5°        | 274.9                        | 275.1       | 275.6       | 285.7       | 289.5      | 294.6 | 219.9        | 216.9        | 213.3        | 209.1        | 214.4        | 218.6        | 219.3        |
| 15,0°        | 280.8                        | 283.8       | 297.3       | 315.8       | 317.9      | 321.1 | 215.7        | 202.3        | 195.1        | 186.0        | 175.7        | 167.2        | 166.3        |
| 17,5°        | 291.2                        | 299.0       | 298.2       | 315.1       | 329.9      | 329.5 | 198.7        | 186.4        | 181.8        | 175.4        | 159.2        | 142.2        | 130.1        |
| 20,0°        | 271.3                        | 289.1       | 297.8       | 313.2       | 341.0      | 347.7 | 199.8        | 181.6        | 168.9        | 161.5        | 150.5        | 131.8        | 120.4        |
| 22,5°        | 270.5                        | 277.2       | 305.4       | 312.6       | 324.4      | 326.8 | 190.3        | 175.9        | 161.0        | 150.7        | 140.7        | 123.4        | 105.2        |
| 25,0°        | 282.8                        | 301.6       | 307.7       | 314.7       | 328.2      | 315.1 | 190.9        | 167.2        | 157.3        | 140.3        | 129.1        | 114.5        | 102.6        |
| 27,5°        | 315.3                        | 328.0       | 341.6       | 331.0       | 327.8      | 329.5 | 184.8        | 171.2        | 157.0        | 141.2        | 126.8        | 110.9        | 93.1         |
| 30,0°        | 362.3                        | 355.3       | 351.3       | 350.0       | 344.3      | 338.2 | 189.8        | 175.4        | 158.7        | 140.1        | 124.7        | 107.5        | 87.6         |
| 32,5°        | 375.7                        | 361.3       | 361.5       | 370.6       | 364.6      | 354.5 | 230.1        | 220.3        | 179.5        | 151.7        | 129.1        | 104.5        | 85.1         |
| 35,0°        | 399.3                        | 383.3       | 385.8       | 390.0       | 393.9      | 384.1 | 253.1        | 241.5        | 199.8        | 175.5        | 154.7        | 108.1        | 82.5         |
| 37,5°        | 425.0                        | 417.1       | 400.2       | 406.6       | 416.9      | 422.4 | 261.4        | 243.2        | 194.1        | 165.9        | 140.3        | 96.1         | 84.7         |
| 40,0°        | 456.3                        | 428.4       | 401.5       | 377.8       | 394.5      | 417.8 | 293.1        | 265.8        | 201.9        | 175.2        | 126.3        | 94.8         | 88.7         |
| 42,5°        | 467.3                        | 416.5       | 391.7       | 370.2       | 369.9      | 384.5 | 299.0        | 255.9        | 192.0        | 172.1        | 110.9        | 97.3         | 86.6         |
| 45,0°        | 479.8                        | 431.7       | 387.1       | 364.9       | 366.5      | 370.4 | 313.6        | 262.0        | 196.8        | 154.1        | 99.2         | 94.8         | 89.7         |
| 47,5°        | 461.1                        | 403.4       | 368.2       | 367.0       | 372.9      | 359.1 | 308.1        | 244.2        | 191.3        | 127.6        | 88.3         | 91.0         | 93.1         |
| 50,0°        | 420.3                        | 371.2       | 331.2       | 323.8       | 346.4      | 332.1 | 295.6        | 240.4        | 177.4        | 103.5        | 76.8         | 84.0         | 77.5         |
| 52,5°        | 382.0                        | 343.3       | 299.5       | 312.4       | 316.4      | 317.0 | 279.1        | 224.8        | 162.7        | 87.2         | 65.0         | 70.1         | 65.2         |
| 55,0°        | 324.2                        | 297.3       | 269.2       | 276.6       | 279.2      | 309.8 | 255.9        | 204.2        | 148.4        | 70.5         | 54.8         | 58.4         | 55.9         |
| 57,5°        | 299.3                        | 254.8       | 221.8       | 222.9       | 244.0      | 276.4 | 202.8        | 138.2        | 92.1         | 55.0         | 45.9         | 49.3         | 47.6         |
| 60,0°        | 252.3                        | 214.2       | 171.2       | 170.8       | 212.1      | 227.1 | 161.3        | 103.5        | 68.4         | 49.7         | 42.7         | 39.6         | 40.0         |
| 62,5°        | 205.7                        | 158.5       | 126.4       | 132.5       | 150.5      | 181.6 | 122.8        | 75.3         | 48.5         | 42.1         | 41.1         | 34.5         | 33.2         |
| 65,0°        | 152.2                        | 108.4       | 88.3        | 87.6        | 107.1      | 106.9 | 112.6        | 58.0         | 45.9         | 38.3         | 38.1         | 32.4         | 33.0         |
| 67,5°        | 140.1                        | 83.2        | 53.8        | 49.7        | 68.6       | 59.5  | 108.4        | 56.3         | 45.1         | 35.3         | 36.8         | 32.4         | 24.5         |
| 70,0°        | 131.4                        | 69.2        | 38.1        | 24.1        | 29.0       | 25.4  | 106.4        | 59.1         | 44.9         | 35.6         | 29.6         | 24.1         | 22.2         |
| 72,5°        | 108.6                        | 36.0        | 24.5        | 13.6        | 12.5       | 12.1  | 92.3         | 63.5         | 49.3         | 45.9         | 30.9         | 26.5         | 22.6         |
| 75,0°        | 79.2                         | 24.6        | 15.2        | 10.4        | 9.3        | 9.1   | 63.1         | 60.5         | 59.0         | 37.2         | 30.1         | 28.4         | 20.1         |
| 77,5°        | 30.7                         | 16.9        | 10.8        | 8.2         | 7.2        | 7.6   | 72.4         | 53.5         | 51.6         | 29.2         | 26.9         | 24.3         | 17.6         |
| 80,0°        | 16.3                         | 11.4        | 7.8         | 6.1         | 5.3        | 5.3   | 20.5         | 23.7         | 21.0         | 16.1         | 15.7         | 17.3         | 18.6         |
| 82,5°        | 10.0                         | 7.4         | 5.5         | 4.2         | 3.6        | 3.4   | 5.5          | 5.5          | 5.7          | 6.1          | 6.8          | 7.4          | 7.6          |
| 85,0°        | 5.7                          | 4.4         | 3.0         | 2.3         | 1.9        | 1.9   | 3.8          | 3.6          | 3.6          | 3.8          | 4.0          | 3.6          | 3.6          |
| 87,5°        | 2.8                          | 2.1         | 1.3         | 0.9         | 0.8        | 0.8   | 2.3          | 2.3          | 2.3          | 2.3          | 2.1          | 2.1          | 2.1          |
| 90,0°        | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0        | 0.0   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 100,0°       | 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          |
| 110,0°       | 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          |
| 120,0°       | 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          |
| 130,0°       | 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          |
| 140,0°       | 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          |
| 150,0°       | 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          |
| 160,0°       | 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          |
| 170,0°       | 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          |
| 180,0°       | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0        | 0.0   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |

Photometric test report

|                                          |                              |                                                  |              |              |              |              |              |              |              |                            |                         |                        |                   |
|------------------------------------------|------------------------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|-------------------------|------------------------|-------------------|
| Family<br>Streetlight 11 micro LED       |                              | Order number: 5XC1A41Y08CE<br>EAN: 4058352918616 |              |              |              |              |              |              |              |                            |                         | LP number<br>58065_151 |                   |
| Table of values for luminous intensities |                              |                                                  |              |              |              |              |              |              |              | Maximum luminous intensity |                         | sīteco                 |                   |
| C-planes                                 | 220°<br>320°                 | 225°<br>315°                                     | 230°<br>310° | 235°<br>305° | 240°<br>300° | 245°<br>295° | 250°<br>290° | 255°<br>285° | 260°<br>280° | 265°<br>275°               | 270°                    | Phi-zone               | Total<br>Phi-zone |
| γ                                        | Luminous intensity in cd/klm |                                                  |              |              |              |              |              |              |              |                            | Luminous flux in lm/klm |                        |                   |
| 0,0°                                     | 257.7                        | 257.7                                            | 257.7        | 257.7        | 257.7        | 257.7        | 257.7        | 257.7        | 257.7        | 257.7                      | 257.7                   | 0.4                    | 0.4               |
| 2,5°                                     | 268.8                        | 270.9                                            | 274.5        | 277.0        | 277.5        | 276.0        | 273.9        | 274.7        | 275.5        | 274.3                      | 273.7                   | 3.1                    | 3.5               |
| 5,0°                                     | 245.5                        | 250.1                                            | 256.1        | 261.6        | 261.4        | 267.5        | 270.9        | 279.4        | 284.7        | 286.3                      | 284.7                   | 6.1                    | 9.7               |
| 7,5°                                     | 229.8                        | 233.2                                            | 242.3        | 242.1        | 245.1        | 253.5        | 255.9        | 257.4        | 260.5        | 266.2                      | 269.6                   | 8.9                    | 18.5              |
| 10,0°                                    | 208.0                        | 203.6                                            | 214.6        | 211.6        | 221.4        | 226.4        | 236.4        | 243.4        | 247.2        | 244.4                      | 244.2                   | 11.5                   | 30.0              |
| 12,5°                                    | 218.2                        | 195.3                                            | 193.7        | 187.1        | 184.6        | 196.0        | 205.9        | 219.7        | 225.4        | 218.2                      | 213.5                   | 14.1                   | 44.1              |
| 15,0°                                    | 166.3                        | 170.8                                            | 173.1        | 167.4        | 162.8        | 165.5        | 171.9        | 177.6        | 181.0        | 175.5                      | 166.4                   | 16.1                   | 60.1              |
| 17,5°                                    | 130.1                        | 136.5                                            | 137.8        | 132.1        | 125.5        | 138.0        | 139.5        | 135.7        | 127.4        | 120.4                      | 120.2                   | 17.5                   | 77.7              |
| 20,0°                                    | 114.5                        | 118.5                                            | 123.8        | 109.8        | 99.2         | 92.5         | 86.4         | 86.1         | 92.5         | 95.5                       | 92.9                    | 18.6                   | 96.3              |
| 22,5°                                    | 98.6                         | 102.2                                            | 108.4        | 91.0         | 83.2         | 76.0         | 72.0         | 70.3         | 67.1         | 66.0                       | 76.2                    | 19.6                   | 115.9             |
| 25,0°                                    | 87.4                         | 91.2                                             | 91.0         | 81.9         | 76.8         | 71.9         | 69.4         | 60.9         | 53.1         | 51.6                       | 51.9                    | 21.4                   | 137.2             |
| 27,5°                                    | 79.8                         | 70.7                                             | 64.8         | 63.9         | 60.3         | 61.2         | 59.7         | 49.3         | 45.7         | 42.8                       | 41.3                    | 23.6                   | 160.9             |
| 30,0°                                    | 77.3                         | 69.6                                             | 63.7         | 58.4         | 53.7         | 49.7         | 44.9         | 43.8         | 40.4         | 37.9                       | 36.4                    | 26.5                   | 187.4             |
| 32,5°                                    | 73.4                         | 67.5                                             | 62.2         | 54.8         | 46.3         | 41.1         | 38.3         | 36.0         | 34.9         | 33.0                       | 31.5                    | 30.2                   | 217.6             |
| 35,0°                                    | 75.1                         | 67.7                                             | 62.2         | 50.4         | 43.0         | 37.5         | 33.4         | 31.8         | 30.1         | 29.4                       | 28.8                    | 34.3                   | 251.9             |
| 37,5°                                    | 76.4                         | 67.1                                             | 59.0         | 49.3         | 42.7         | 37.2         | 31.5         | 29.4         | 28.2         | 28.4                       | 28.1                    | 38.0                   | 289.8             |
| 40,0°                                    | 77.2                         | 68.6                                             | 56.7         | 49.5         | 40.2         | 32.4         | 30.3         | 29.0         | 28.6         | 28.1                       | 28.1                    | 41.7                   | 331.6             |
| 42,5°                                    | 79.4                         | 66.0                                             | 57.6         | 47.2         | 39.6         | 33.2         | 29.0         | 29.0         | 28.4         | 28.4                       | 29.2                    | 44.5                   | 376.1             |
| 45,0°                                    | 83.4                         | 69.8                                             | 52.1         | 43.4         | 37.9         | 33.7         | 29.4         | 28.2         | 28.4         | 28.4                       | 28.8                    | 48.1                   | 424.2             |
| 47,5°                                    | 81.1                         | 61.8                                             | 48.2         | 40.0         | 35.6         | 32.8         | 29.4         | 28.2         | 28.4         | 28.2                       | 28.8                    | 50.5                   | 474.7             |
| 50,0°                                    | 63.9                         | 54.0                                             | 44.9         | 36.0         | 33.4         | 30.7         | 30.1         | 28.4         | 28.1         | 28.4                       | 29.2                    | 52.2                   | 526.8             |
| 52,5°                                    | 56.1                         | 48.5                                             | 38.3         | 32.0         | 29.8         | 30.3         | 29.4         | 28.6         | 28.1         | 29.4                       | 28.8                    | 52.9                   | 579.7             |
| 55,0°                                    | 48.3                         | 41.3                                             | 32.8         | 29.0         | 27.1         | 27.1         | 27.9         | 27.3         | 27.9         | 28.2                       | 28.4                    | 54.3                   | 634.0             |
| 57,5°                                    | 40.2                         | 33.0                                             | 27.3         | 24.5         | 25.0         | 25.8         | 26.4         | 26.7         | 27.9         | 27.7                       | 28.4                    | 53.7                   | 687.7             |
| 60,0°                                    | 35.6                         | 25.6                                             | 20.3         | 19.7         | 20.7         | 22.6         | 24.3         | 25.8         | 26.0         | 26.7                       | 28.1                    | 50.9                   | 738.6             |
| 62,5°                                    | 29.4                         | 21.2                                             | 15.5         | 14.8         | 17.3         | 19.3         | 22.0         | 22.7         | 23.5         | 24.5                       | 25.8                    | 48.0                   | 786.6             |
| 65,0°                                    | 22.9                         | 17.3                                             | 13.6         | 12.7         | 14.2         | 16.9         | 19.7         | 19.9         | 21.2         | 22.6                       | 22.0                    | 44.5                   | 831.0             |
| 67,5°                                    | 20.5                         | 15.5                                             | 12.5         | 11.2         | 11.9         | 13.6         | 15.2         | 15.5         | 16.3         | 15.9                       | 15.5                    | 41.4                   | 872.4             |
| 70,0°                                    | 19.0                         | 14.2                                             | 11.6         | 10.4         | 9.9          | 10.4         | 10.4         | 11.0         | 11.2         | 10.2                       | 9.9                     | 37.7                   | 910.1             |
| 72,5°                                    | 16.9                         | 12.7                                             | 9.9          | 8.7          | 8.0          | 8.0          | 7.6          | 7.2          | 7.0          | 4.2                        | 3.8                     | 33.7                   | 943.8             |
| 75,0°                                    | 14.4                         | 11.6                                             | 8.7          | 7.0          | 6.4          | 5.7          | 5.3          | 4.6          | 3.4          | 0.9                        | 0.8                     | 26.9                   | 970.8             |
| 77,5°                                    | 11.6                         | 8.5                                              | 6.8          | 5.7          | 4.7          | 4.4          | 3.4          | 4.0          | 1.9          | 0.8                        | 0.4                     | 16.9                   | 987.6             |
| 80,0°                                    | 13.1                         | 7.2                                              | 4.9          | 4.2          | 3.4          | 2.8          | 2.7          | 2.8          | 1.3          | 0.4                        | 0.4                     | 7.8                    | 995.4             |
| 82,5°                                    | 6.6                          | 4.9                                              | 3.8          | 3.0          | 2.7          | 1.9          | 1.5          | 1.5          | 0.8          | 0.4                        | 0.4                     | 2.8                    | 998.2             |
| 85,0°                                    | 3.2                          | 2.7                                              | 1.9          | 1.7          | 1.5          | 1.1          | 0.9          | 0.8          | 0.4          | 0.4                        | 0.4                     | 1.2                    | 999.4             |
| 87,5°                                    | 1.7                          | 1.5                                              | 1.3          | 0.9          | 0.9          | 0.8          | 0.8          | 0.4          | 0.4          | 0.4                        | 0.4                     | 0.7                    | 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            |
| 100,0°                                   | 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            |
| 110,0°                                   | 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            |
| 120,0°                                   | 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            |
| 130,0°                                   | 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            |
| 140,0°                                   | 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            |
| 150,0°                                   | 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            |
| 160,0°                                   | 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            |
| 170,0°                                   | 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            |
| 180,0°                                   | 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            |

