

## Photometric test report

### Family Streetlight 31 midi

**Order number: 5XH3D31R08MA**  
**EAN: 4069025095121**

**LP number**  
**59076\_1858**



|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| <b>Version</b>      | post-top or side-entry mounting, Smart Interface down                                         |
| <b>Optic</b>        | direct, asymmetric wide distribution S100003                                                  |
| <b>Cover</b>        | toughened safety glass                                                                        |
| <b>Lamps</b>        | LED 3000 K   CRI ≥ 70                                                                         |
| <b>Controlgear</b>  | ECG SITECO - Smart Interface                                                                  |
| <b>Rated values</b> | Net luminous flux = 19310 lm<br>Power consumption = 142.8 W<br>Luminous efficacy = 135.2 lm/W |

**serial**  
**documentation**  
**10.04.2024**

**siteco**

**Luminous intensity in cd/klm**

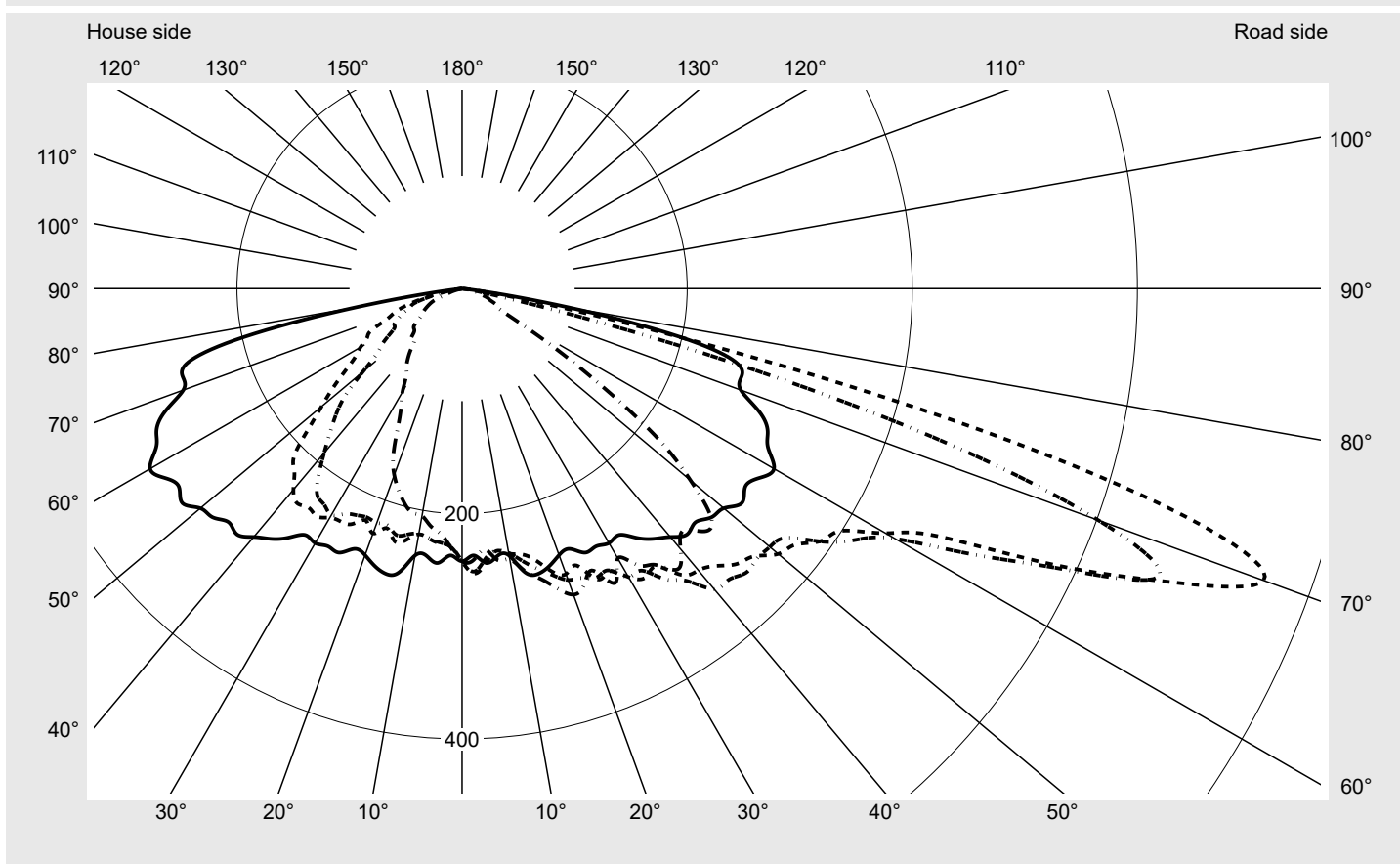
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 758 cd/klm**



#### Luminaire output ratios

|                |        |
|----------------|--------|
| Eta            | 100.0% |
| Eta 0° - 90°   | 100.0% |
| Eta 90° - 180° | 0.0%   |

#### Measurement conditions

DIN EN 13032 and DIN 5032

#### Luminous intensity class acc. to EN13201-2

|           |       |
|-----------|-------|
| Class:    | G3    |
| Imax 70°  | 757.8 |
| Imax 80°  | 95.1  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

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Streetlight 31 midi

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Envelope curve in cd/klm

KMK 70°

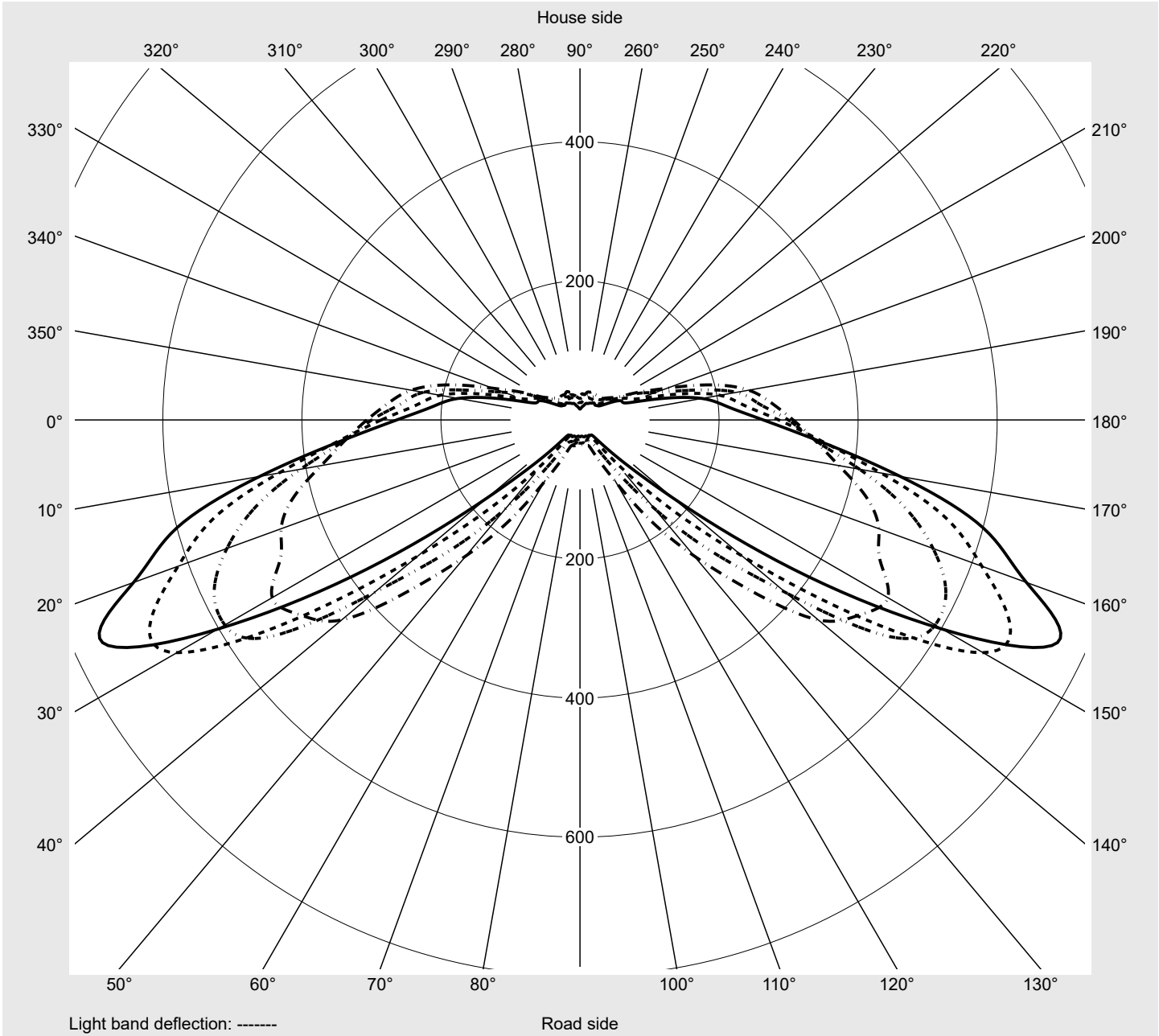
KMK 67.5°

KMK 65°

KMK 62.5°

sit

eco



Photometric test report

|                                          |                              |                                                  |             |             |             |             |             |             |             |                            |             |                         |             |
|------------------------------------------|------------------------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|-------------|-------------------------|-------------|
| Family<br>Streetlight 31 midi            |                              | Order number: 5XH3D31R08MA<br>EAN: 4069025095121 |             |             |             |             |             |             |             |                            |             | LP number<br>59076_1858 |             |
| 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°                                     | 242.2                        | 242.2                                            | 242.2       | 242.2       | 242.2       | 242.2       | 242.2       | 242.2       | 242.2       | 242.2                      | 242.2       | 242.2                   | 242.2       |
| 2,5°                                     | 237.2                        | 240.2                                            | 243.6       | 247.1       | 250.1       | 253.3       | 251.5       | 253.0       | 253.9       | 252.9                      | 249.2       | 247.7                   | 247.6       |
| 5,0°                                     | 244.6                        | 247.2                                            | 246.5       | 245.5       | 245.0       | 244.3       | 240.5       | 238.5       | 236.3       | 236.3                      | 235.1       | 233.7                   | 233.4       |
| 7,5°                                     | 239.7                        | 245.1                                            | 248.3       | 244.6       | 238.3       | 235.0       | 234.8       | 231.4       | 230.3       | 234.8                      | 234.3       | 239.5                   | 238.7       |
| 10,0°                                    | 240.7                        | 249.2                                            | 251.4       | 243.9       | 239.9       | 238.9       | 238.4       | 242.1       | 240.6       | 240.8                      | 243.3       | 249.6                   | 251.2       |
| 12,5°                                    | 258.0                        | 251.3                                            | 242.2       | 234.8       | 236.0       | 241.7       | 247.8       | 251.1       | 250.2       | 252.7                      | 253.4       | 256.8                   | 257.4       |
| 15,0°                                    | 262.2                        | 249.0                                            | 244.4       | 246.5       | 247.0       | 249.2       | 257.5       | 261.4       | 264.2       | 266.4                      | 265.5       | 261.6                   | 261.2       |
| 17,5°                                    | 258.3                        | 251.3                                            | 248.4       | 253.2       | 259.5       | 262.9       | 266.6       | 264.1       | 266.6       | 271.6                      | 270.9       | 268.4                   | 275.4       |
| 20,0°                                    | 251.9                        | 249.8                                            | 249.6       | 255.8       | 262.8       | 269.8       | 275.4       | 276.2       | 274.3       | 273.3                      | 279.4       | 281.1                   | 281.7       |
| 22,5°                                    | 250.2                        | 252.4                                            | 255.0       | 266.6       | 270.7       | 266.2       | 278.1       | 280.2       | 283.2       | 284.7                      | 277.3       | 280.4                   | 284.0       |
| 25,0°                                    | 258.8                        | 258.1                                            | 263.4       | 267.5       | 275.0       | 285.0       | 283.0       | 287.9       | 292.3       | 291.9                      | 288.1       | 291.2                   | 291.4       |
| 27,5°                                    | 258.1                        | 259.3                                            | 264.2       | 271.8       | 275.5       | 283.2       | 282.1       | 292.3       | 297.8       | 295.7                      | 295.0       | 295.6                   | 295.2       |
| 30,0°                                    | 261.0                        | 264.7                                            | 278.4       | 274.8       | 287.8       | 295.8       | 295.6       | 301.4       | 307.5       | 307.5                      | 302.4       | 301.2                   | 298.5       |
| 32,5°                                    | 259.5                        | 271.5                                            | 275.0       | 285.5       | 290.4       | 303.8       | 296.9       | 312.8       | 318.7       | 323.5                      | 314.1       | 299.9                   | 297.4       |
| 35,0°                                    | 270.2                        | 277.9                                            | 282.4       | 285.4       | 294.7       | 301.1       | 315.2       | 320.4       | 320.7       | 320.8                      | 310.6       | 315.9                   | 307.3       |
| 37,5°                                    | 280.1                        | 288.9                                            | 291.9       | 300.1       | 302.5       | 320.5       | 327.1       | 330.1       | 327.2       | 324.3                      | 312.1       | 312.9                   | 322.0       |
| 40,0°                                    | 288.0                        | 294.9                                            | 294.8       | 301.0       | 311.0       | 326.6       | 348.4       | 339.0       | 340.9       | 323.5                      | 314.9       | 336.9                   | 331.0       |
| 42,5°                                    | 296.1                        | 297.5                                            | 298.1       | 316.3       | 327.4       | 334.0       | 350.7       | 340.8       | 336.4       | 326.9                      | 332.4       | 337.9                   | 345.0       |
| 45,0°                                    | 293.4                        | 307.2                                            | 308.2       | 316.1       | 329.3       | 345.7       | 356.8       | 343.0       | 340.7       | 351.3                      | 353.6       | 361.0                   | 358.7       |
| 47,5°                                    | 300.6                        | 307.3                                            | 314.8       | 328.8       | 344.9       | 352.0       | 355.2       | 354.7       | 351.0       | 370.6                      | 372.7       | 358.6                   | 351.6       |
| 50,0°                                    | 303.5                        | 304.1                                            | 310.6       | 329.1       | 357.1       | 366.7       | 357.0       | 357.9       | 374.0       | 384.7                      | 373.8       | 352.0                   | 342.3       |
| 52,5°                                    | 313.1                        | 308.3                                            | 311.4       | 326.1       | 362.1       | 373.6       | 363.6       | 377.1       | 396.3       | 399.9                      | 374.1       | 343.5                   | 326.4       |
| 55,0°                                    | 307.1                        | 316.8                                            | 324.7       | 337.2       | 363.3       | 390.4       | 392.0       | 402.7       | 402.8       | 386.8                      | 366.3       | 344.1                   | 310.0       |
| 57,5°                                    | 313.1                        | 325.8                                            | 337.5       | 353.8       | 370.6       | 400.3       | 415.2       | 426.0       | 418.2       | 382.6                      | 371.0       | 318.2                   | 258.7       |
| 60,0°                                    | 320.0                        | 336.4                                            | 356.7       | 382.3       | 399.2       | 434.6       | 444.2       | 455.3       | 436.4       | 397.2                      | 321.8       | 253.6                   | 192.9       |
| 62,5°                                    | 306.5                        | 339.5                                            | 378.1       | 425.8       | 457.4       | 476.0       | 511.2       | 489.6       | 447.5       | 347.0                      | 255.1       | 175.8                   | 103.5       |
| 65,0°                                    | 299.6                        | 340.0                                            | 408.3       | 483.0       | 540.4       | 580.6       | 589.8       | 543.1       | 386.3       | 266.9                      | 165.4       | 84.9                    | 43.0        |
| 67,5°                                    | 285.8                        | 348.9                                            | 439.6       | 545.0       | 615.1       | 681.0       | 669.3       | 499.2       | 304.3       | 169.4                      | 77.8        | 34.0                    | 31.0        |
| 70,0°                                    | 263.6                        | 344.2                                            | 467.8       | 600.6       | 683.4       | 757.8       | 601.6       | 373.8       | 175.0       | 76.2                       | 32.7        | 27.1                    | 25.4        |
| 72,5°                                    | 260.2                        | 352.1                                            | 495.4       | 595.6       | 690.0       | 674.7       | 438.4       | 194.3       | 80.1        | 34.9                       | 24.8        | 22.8                    | 22.3        |
| 75,0°                                    | 251.4                        | 355.3                                            | 453.9       | 502.5       | 563.4       | 449.7       | 222.3       | 65.9        | 33.6        | 23.0                       | 18.2        | 18.2                    | 18.1        |
| 77,5°                                    | 197.9                        | 250.8                                            | 269.9       | 280.6       | 272.8       | 192.3       | 58.2        | 20.2        | 16.5        | 16.7                       | 17.0        | 14.7                    | 13.0        |
| 80,0°                                    | 95.1                         | 86.3                                             | 83.1        | 87.4        | 87.1        | 61.8        | 14.5        | 10.9        | 9.9         | 10.1                       | 14.8        | 9.2                     | 8.4         |
| 82,5°                                    | 19.9                         | 14.9                                             | 10.6        | 15.6        | 24.6        | 15.4        | 6.7         | 8.0         | 5.4         | 4.5                        | 5.7         | 4.8                     | 5.3         |
| 85,0°                                    | 1.2                          | 1.1                                              | 1.6         | 1.3         | 1.6         | 1.7         | 1.9         | 2.0         | 2.1         | 1.8                        | 1.8         | 1.6                     | 1.8         |
| 87,5°                                    | 0.3                          | 0.3                                              | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.5         | 0.5         | 0.4                        | 0.4         | 0.5                     | 0.5         |
| 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 31 midi            |                              | Order number: 5XH3D31R08MA<br>EAN: 4069025095121 |             |             |            |       |              |              |              |                            |              | LP number<br>59076_1858 |              |
| 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°                                     | 242.2                        | 242.2                                            | 242.2       | 242.2       | 242.2      | 242.2 | 242.2        | 242.2        | 242.2        | 242.2                      | 242.2        | 242.2                   | 242.2        |
| 2,5°                                     | 246.5                        | 245.6                                            | 245.8       | 243.2       | 241.6      | 241.0 | 237.5        | 234.9        | 231.4        | 229.7                      | 229.1        | 229.7                   | 228.7        |
| 5,0°                                     | 231.5                        | 228.9                                            | 230.8       | 232.5       | 234.2      | 232.7 | 235.6        | 233.9        | 229.2        | 227.3                      | 227.0        | 226.3                   | 224.2        |
| 7,5°                                     | 238.9                        | 237.7                                            | 239.2       | 239.1       | 238.8      | 243.3 | 233.9        | 231.9        | 226.6        | 222.4                      | 224.0        | 223.5                   | 219.5        |
| 10,0°                                    | 251.1                        | 250.4                                            | 247.0       | 246.6       | 242.9      | 244.2 | 232.6        | 230.0        | 230.1        | 225.8                      | 221.6        | 221.1                   | 218.9        |
| 12,5°                                    | 255.3                        | 254.8                                            | 254.6       | 255.0       | 256.4      | 256.8 | 251.6        | 236.9        | 233.3        | 228.9                      | 228.6        | 223.7                   | 220.7        |
| 15,0°                                    | 261.0                        | 263.4                                            | 264.6       | 269.2       | 266.7      | 266.5 | 251.8        | 236.5        | 234.4        | 231.8                      | 232.1        | 226.4                   | 214.7        |
| 17,5°                                    | 273.5                        | 269.8                                            | 271.0       | 269.3       | 274.0      | 278.7 | 254.8        | 236.7        | 230.6        | 229.6                      | 223.0        | 220.4                   | 211.5        |
| 20,0°                                    | 277.0                        | 273.8                                            | 278.5       | 273.5       | 277.4      | 289.2 | 253.6        | 246.1        | 236.7        | 232.5                      | 231.4        | 221.3                   | 218.5        |
| 22,5°                                    | 283.3                        | 280.0                                            | 281.4       | 274.0       | 278.9      | 284.1 | 258.2        | 245.1        | 237.3        | 231.5                      | 223.1        | 220.1                   | 214.1        |
| 25,0°                                    | 291.6                        | 289.2                                            | 282.7       | 284.9       | 281.8      | 276.4 | 256.1        | 253.5        | 245.1        | 231.6                      | 230.7        | 222.1                   | 220.2        |
| 27,5°                                    | 291.0                        | 297.1                                            | 284.7       | 284.4       | 283.7      | 294.6 | 253.8        | 262.2        | 247.2        | 243.6                      | 233.3        | 225.6                   | 220.2        |
| 30,0°                                    | 299.4                        | 285.0                                            | 290.4       | 287.0       | 284.1      | 276.6 | 260.1        | 262.3        | 252.5        | 242.6                      | 235.0        | 232.1                   | 216.3        |
| 32,5°                                    | 303.1                        | 294.9                                            | 292.6       | 291.3       | 291.6      | 291.4 | 267.1        | 268.3        | 257.6        | 249.2                      | 239.9        | 227.8                   | 207.5        |
| 35,0°                                    | 305.6                        | 303.8                                            | 309.8       | 304.1       | 309.8      | 299.5 | 265.1        | 272.9        | 264.3        | 257.9                      | 237.6        | 224.2                   | 192.7        |
| 37,5°                                    | 327.6                        | 321.4                                            | 316.6       | 327.0       | 311.9      | 314.4 | 267.5        | 273.9        | 266.0        | 253.1                      | 240.5        | 209.6                   | 171.7        |
| 40,0°                                    | 335.6                        | 329.6                                            | 322.7       | 314.6       | 317.2      | 302.1 | 280.5        | 272.5        | 268.4        | 257.7                      | 233.1        | 190.7                   | 159.6        |
| 42,5°                                    | 344.1                        | 323.1                                            | 317.5       | 312.8       | 305.5      | 291.3 | 285.6        | 276.8        | 274.2        | 255.0                      | 220.5        | 173.7                   | 147.1        |
| 45,0°                                    | 334.8                        | 321.1                                            | 311.8       | 310.6       | 303.9      | 304.9 | 290.4        | 275.0        | 272.0        | 249.5                      | 211.3        | 158.5                   | 132.3        |
| 47,5°                                    | 329.8                        | 320.9                                            | 301.3       | 306.7       | 283.3      | 299.9 | 289.6        | 280.3        | 276.9        | 239.7                      | 185.9        | 140.8                   | 119.7        |
| 50,0°                                    | 322.5                        | 303.3                                            | 286.7       | 277.3       | 266.1      | 264.8 | 299.6        | 279.3        | 263.2        | 226.2                      | 163.0        | 115.2                   | 100.4        |
| 52,5°                                    | 304.5                        | 279.5                                            | 254.9       | 243.3       | 227.8      | 220.6 | 304.6        | 284.5        | 261.5        | 202.5                      | 144.2        | 95.6                    | 87.7         |
| 55,0°                                    | 271.9                        | 232.3                                            | 195.4       | 182.8       | 167.1      | 154.6 | 302.4        | 281.2        | 248.9        | 189.5                      | 126.0        | 87.0                    | 82.7         |
| 57,5°                                    | 205.3                        | 164.9                                            | 136.9       | 107.6       | 100.1      | 94.8  | 295.7        | 276.1        | 229.0        | 169.2                      | 112.1        | 76.9                    | 69.4         |
| 60,0°                                    | 135.3                        | 91.2                                             | 69.1        | 54.0        | 51.1       | 48.0  | 295.6        | 255.4        | 206.1        | 148.6                      | 104.2        | 69.2                    | 64.4         |
| 62,5°                                    | 63.8                         | 41.6                                             | 38.3        | 37.4        | 35.9       | 35.9  | 276.8        | 246.4        | 194.9        | 133.5                      | 95.3         | 67.9                    | 56.0         |
| 65,0°                                    | 34.8                         | 33.0                                             | 36.1        | 33.5        | 33.3       | 33.3  | 259.4        | 228.7        | 165.0        | 116.1                      | 89.9         | 62.4                    | 52.0         |
| 67,5°                                    | 28.3                         | 30.3                                             | 30.4        | 29.0        | 28.2       | 27.1  | 237.7        | 204.2        | 142.9        | 89.0                       | 74.0         | 56.7                    | 44.9         |
| 70,0°                                    | 26.6                         | 24.6                                             | 25.1        | 24.3        | 23.4       | 24.3  | 214.1        | 178.1        | 117.5        | 71.7                       | 65.1         | 49.6                    | 35.8         |
| 72,5°                                    | 20.9                         | 22.8                                             | 22.1        | 20.1        | 20.0       | 18.5  | 199.3        | 149.2        | 98.9         | 60.6                       | 55.2         | 45.6                    | 31.0         |
| 75,0°                                    | 18.0                         | 17.9                                             | 18.1        | 15.7        | 15.1       | 15.9  | 176.2        | 102.0        | 69.4         | 40.3                       | 40.9         | 34.6                    | 28.7         |
| 77,5°                                    | 14.2                         | 13.9                                             | 12.6        | 12.2        | 11.3       | 11.2  | 100.8        | 18.4         | 18.7         | 26.1                       | 24.0         | 21.5                    | 20.6         |
| 80,0°                                    | 9.5                          | 8.9                                              | 8.4         | 8.0         | 6.9        | 6.7   | 38.7         | 5.8          | 7.9          | 14.6                       | 11.5         | 12.5                    | 10.7         |
| 82,5°                                    | 4.7                          | 5.0                                              | 4.6         | 3.8         | 3.5        | 3.5   | 7.8          | 3.4          | 3.6          | 6.4                        | 5.1          | 4.4                     | 4.3          |
| 85,0°                                    | 2.1                          | 1.9                                              | 1.8         | 1.5         | 1.1        | 1.5   | 1.2          | 1.1          | 1.1          | 1.1                        | 1.1          | 1.1                     | 0.9          |
| 87,5°                                    | 0.4                          | 0.4                                              | 0.4         | 0.3         | 0.3        | 0.7   | 0.3          | 0.2          | 0.3          | 0.3                        | 0.2          | 0.2                     | 0.1          |
| 90,0°                                    | 0.0                          | 0.0                                              | 0.0         | 0.0         | 0.0        | 0.0   | 0.0          | 0.0          | 0.0          | 0.0                        | 0.0          | 0.0                     | 0.0          |

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|                                          |                              |                                                  |              |              |              |              |              |              |              |                            |                         |                         |                   |
|------------------------------------------|------------------------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|-------------------------|-------------------------|-------------------|
| Family<br>Streetlight 31 midi            |                              | Order number: 5XH3D31R08MA<br>EAN: 4069025095121 |              |              |              |              |              |              |              |                            |                         | LP number<br>59076_1858 |                   |
| 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°                                     | 242.2                        | 242.2                                            | 242.2        | 242.2        | 242.2        | 242.2        | 242.2        | 242.2        | 242.2        | 242.2                      | 242.2                   | 0.4                     | 0.4               |
| 2,5°                                     | 228.8                        | 228.3                                            | 228.5        | 228.0        | 228.0        | 228.7        | 228.7        | 231.0        | 230.4        | 231.6                      | 230.0                   | 2.9                     | 3.2               |
| 5,0°                                     | 224.8                        | 225.1                                            | 221.3        | 223.3        | 220.3        | 219.6        | 217.9        | 216.2        | 216.4        | 215.3                      | 218.6                   | 5.5                     | 8.7               |
| 7,5°                                     | 220.9                        | 217.1                                            | 216.6        | 214.6        | 211.5        | 209.0        | 207.0        | 206.4        | 212.3        | 211.0                      | 212.9                   | 8.2                     | 16.9              |
| 10,0°                                    | 212.8                        | 212.3                                            | 211.5        | 209.7        | 207.2        | 204.3        | 201.1        | 201.2        | 202.8        | 204.7                      | 205.0                   | 10.9                    | 27.9              |
| 12,5°                                    | 217.1                        | 216.0                                            | 210.6        | 208.5        | 204.9        | 207.1        | 208.1        | 204.9        | 204.6        | 202.9                      | 203.9                   | 13.9                    | 41.8              |
| 15,0°                                    | 211.1                        | 211.6                                            | 209.7        | 208.3        | 208.4        | 199.1        | 197.1        | 199.6        | 201.2        | 197.7                      | 197.5                   | 16.9                    | 58.7              |
| 17,5°                                    | 211.3                        | 207.4                                            | 206.9        | 203.8        | 201.8        | 202.0        | 195.0        | 187.2        | 191.9        | 191.4                      | 187.7                   | 19.7                    | 78.4              |
| 20,0°                                    | 213.6                        | 205.7                                            | 202.9        | 195.4        | 190.5        | 187.5        | 184.4        | 179.4        | 172.2        | 171.5                      | 176.2                   | 22.5                    | 100.9             |
| 22,5°                                    | 212.9                        | 210.7                                            | 194.4        | 186.3        | 177.3        | 171.4        | 168.7        | 164.9        | 160.5        | 160.6                      | 159.6                   | 25.0                    | 125.9             |
| 25,0°                                    | 207.0                        | 196.3                                            | 186.3        | 173.2        | 173.2        | 166.6        | 162.4        | 151.7        | 148.3        | 140.9                      | 134.3                   | 27.8                    | 153.7             |
| 27,5°                                    | 205.7                        | 183.9                                            | 171.4        | 164.0        | 160.4        | 151.4        | 145.5        | 135.8        | 126.3        | 118.7                      | 117.1                   | 30.1                    | 183.8             |
| 30,0°                                    | 186.6                        | 174.1                                            | 167.0        | 162.4        | 148.6        | 139.7        | 122.7        | 116.4        | 109.9        | 107.3                      | 105.9                   | 32.6                    | 216.3             |
| 32,5°                                    | 175.3                        | 165.5                                            | 162.0        | 143.4        | 132.8        | 123.0        | 112.7        | 104.0        | 100.1        | 96.4                       | 92.3                    | 35.0                    | 251.3             |
| 35,0°                                    | 168.9                        | 162.9                                            | 151.7        | 132.5        | 123.6        | 110.4        | 102.5        | 95.4         | 88.8         | 88.3                       | 86.2                    | 37.5                    | 288.8             |
| 37,5°                                    | 154.1                        | 150.9                                            | 143.5        | 124.9        | 111.8        | 100.4        | 94.1         | 85.8         | 82.5         | 77.7                       | 79.4                    | 40.1                    | 328.9             |
| 40,0°                                    | 146.7                        | 143.1                                            | 129.9        | 114.4        | 102.6        | 93.9         | 81.3         | 76.5         | 72.4         | 72.8                       | 70.8                    | 42.4                    | 371.3             |
| 42,5°                                    | 142.1                        | 129.9                                            | 121.4        | 103.1        | 90.1         | 80.9         | 72.5         | 69.7         | 70.3         | 66.8                       | 63.1                    | 44.2                    | 415.5             |
| 45,0°                                    | 124.3                        | 119.9                                            | 105.6        | 93.4         | 78.6         | 73.7         | 68.4         | 68.6         | 64.0         | 63.1                       | 64.5                    | 46.2                    | 461.7             |
| 47,5°                                    | 112.2                        | 105.5                                            | 95.1         | 80.2         | 69.5         | 67.1         | 63.7         | 61.0         | 61.9         | 62.9                       | 58.3                    | 47.7                    | 509.4             |
| 50,0°                                    | 97.1                         | 86.2                                             | 81.0         | 69.9         | 65.2         | 62.2         | 59.9         | 57.5         | 58.2         | 56.9                       | 55.7                    | 48.2                    | 557.6             |
| 52,5°                                    | 81.4                         | 76.9                                             | 71.9         | 64.5         | 61.2         | 57.0         | 55.7         | 54.0         | 52.9         | 51.0                       | 53.4                    | 48.5                    | 606.2             |
| 55,0°                                    | 72.4                         | 66.4                                             | 64.2         | 58.5         | 55.6         | 52.3         | 52.1         | 49.6         | 48.4         | 46.8                       | 46.3                    | 47.9                    | 654.0             |
| 57,5°                                    | 63.8                         | 60.2                                             | 56.0         | 51.2         | 50.2         | 51.5         | 48.3         | 47.3         | 44.5         | 43.7                       | 41.9                    | 46.4                    | 700.4             |
| 60,0°                                    | 52.9                         | 50.5                                             | 50.6         | 46.0         | 48.1         | 46.5         | 47.5         | 42.4         | 40.8         | 41.6                       | 38.9                    | 44.7                    | 745.2             |
| 62,5°                                    | 49.0                         | 44.0                                             | 43.6         | 43.5         | 43.0         | 44.9         | 42.5         | 41.4         | 36.9         | 37.8                       | 35.1                    | 43.7                    | 788.8             |
| 65,0°                                    | 46.0                         | 41.2                                             | 39.4         | 40.3         | 38.3         | 37.3         | 38.4         | 37.2         | 34.9         | 32.2                       | 31.0                    | 43.4                    | 832.2             |
| 67,5°                                    | 36.6                         | 34.3                                             | 35.2         | 34.3         | 34.4         | 34.1         | 34.2         | 31.5         | 29.4         | 25.2                       | 25.2                    | 42.6                    | 874.8             |
| 70,0°                                    | 32.1                         | 30.4                                             | 31.6         | 29.6         | 27.9         | 26.0         | 25.2         | 21.7         | 19.5         | 17.0                       | 15.7                    | 39.8                    | 914.6             |
| 72,5°                                    | 26.7                         | 27.4                                             | 25.8         | 25.7         | 21.0         | 20.1         | 16.5         | 13.8         | 12.3         | 12.4                       | 11.0                    | 35.2                    | 949.9             |
| 75,0°                                    | 21.8                         | 21.8                                             | 21.8         | 20.0         | 15.4         | 14.0         | 12.0         | 9.0          | 7.9          | 7.7                        | 7.0                     | 27.3                    | 977.2             |
| 77,5°                                    | 15.9                         | 14.8                                             | 13.6         | 12.0         | 9.9          | 8.9          | 7.1          | 5.2          | 3.1          | 2.1                        | 2.4                     | 15.0                    | 992.2             |
| 80,0°                                    | 7.8                          | 7.4                                              | 6.6          | 6.1          | 5.8          | 5.3          | 3.8          | 2.4          | 1.3          | 0.7                        | 1.0                     | 5.8                     | 998.0             |
| 82,5°                                    | 3.2                          | 2.6                                              | 2.4          | 3.5          | 2.9          | 2.3          | 1.6          | 0.9          | 0.4          | 0.3                        | 0.2                     | 1.7                     | 999.6             |
| 85,0°                                    | 0.8                          | 0.6                                              | 0.6          | 0.5          | 0.4          | 0.4          | 0.3          | 0.2          | 0.1          | 0.0                        | 0.1                     | 0.3                     | 999.9             |
| 87,5°                                    | 0.1                          | 0.1                                              | 0.1          | 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 31 midi</b> | Order number: <b>5XH3D31R08MA</b><br>EAN: <b>4069025095121</b> | LP number<br><b>59076_1858</b>  |
| Dimming levels table                 |                                                                | environmental temperature: 25°C |
|                                      |                                                                | <b>sit</b> eco                  |

| Luminous flux<br>[%] | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W]start of lifetime | Power consumption<br>[W]end of lifetime | Power consumption<br>[W]average |
|----------------------|-------------------------|------------------------------|-----------------------|-------------------------------------------|-----------------------------------------|---------------------------------|
| 100                  | 254                     | 254                          | 19310                 | 142.8                                     | 158.8                                   | 150.8                           |
| 95                   | 237                     | 251                          | 18332                 | 132.6                                     | 147.2                                   | 139.9                           |
| 90                   | 221                     | 249                          | 17370                 | 123.0                                     | 136.5                                   | 129.8                           |
| 85                   | 206                     | 246                          | 16433                 | 114.2                                     | 126.6                                   | 120.4                           |
| 80                   | 191                     | 244                          | 15459                 | 105.6                                     | 116.9                                   | 111.2                           |
| 75                   | 176                     | 241                          | 14452                 | 96.9                                      | 107.3                                   | 102.1                           |
| 70                   | 162                     | 238                          | 13483                 | 89.0                                      | 98.4                                    | 93.7                            |
| 65                   | 149                     | 234                          | 12558                 | 81.7                                      | 90.3                                    | 86.0                            |
| 60                   | 136                     | 231                          | 11608                 | 74.4                                      | 82.1                                    | 78.2                            |
| 55                   | 123                     | 227                          | 10630                 | 67.1                                      | 74.2                                    | 70.6                            |
| 50                   | 110                     | 223                          | 9625                  | 60.0                                      | 66.2                                    | 63.1                            |
| 45                   | 98                      | 219                          | 8674                  | 53.4                                      | 59.0                                    | 56.2                            |
| 40                   | 86                      | 214                          | 7701                  | 46.8                                      | 51.7                                    | 49.2                            |
| 35                   | 75                      | 209                          | 6788                  | 40.9                                      | 45.0                                    | 43.0                            |
| 30                   | 63                      | 203                          | 5772                  | 34.5                                      | 37.8                                    | 36.2                            |
| 25                   | 52                      | 196                          | 4821                  | 28.7                                      | 31.5                                    | 30.1                            |
| 20                   | 41                      | 187                          | 3850                  | 23.0                                      | 25.1                                    | 24.0                            |
| 15                   | 30                      | 176                          | 2862                  | 17.4                                      | 18.9                                    | 18.2                            |
| 11                   | 21                      | 163                          | 2041                  | 12.8                                      | 13.9                                    | 13.4                            |

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

| Luminous flux<br>[%] | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W]start of lifetime | Power consumption<br>[W]end of lifetime | Power consumption<br>[W]average |
|----------------------|-------------------------|------------------------------|-----------------------|-------------------------------------------|-----------------------------------------|---------------------------------|
| 100                  | 254                     | 254                          | 19940                 | 144.4                                     | 160.5                                   | 152.4                           |
| 95                   | 238                     | 252                          | 18953                 | 134.7                                     | 149.5                                   | 142.1                           |
| 90                   | 222                     | 249                          | 17931                 | 125.1                                     | 138.7                                   | 131.9                           |
| 85                   | 207                     | 247                          | 16941                 | 116.2                                     | 128.8                                   | 122.5                           |
| 80                   | 192                     | 244                          | 15919                 | 107.5                                     | 118.9                                   | 113.2                           |
| 75                   | 178                     | 241                          | 14937                 | 99.3                                      | 109.9                                   | 104.6                           |
| 70                   | 164                     | 238                          | 13931                 | 91.3                                      | 100.9                                   | 96.1                            |
| 65                   | 151                     | 235                          | 12972                 | 83.9                                      | 92.6                                    | 88.2                            |
| 60                   | 138                     | 232                          | 11990                 | 76.5                                      | 84.5                                    | 80.5                            |
| 55                   | 125                     | 228                          | 10985                 | 69.2                                      | 76.3                                    | 72.8                            |
| 50                   | 112                     | 224                          | 9954                  | 61.9                                      | 68.3                                    | 65.1                            |
| 45                   | 100                     | 220                          | 8982                  | 55.3                                      | 60.9                                    | 58.1                            |
| 40                   | 88                      | 215                          | 7989                  | 48.6                                      | 53.6                                    | 51.1                            |
| 35                   | 76                      | 210                          | 6972                  | 42.0                                      | 46.3                                    | 44.2                            |
| 30                   | 65                      | 204                          | 6024                  | 36.1                                      | 39.6                                    | 37.8                            |
| 25                   | 53                      | 197                          | 4972                  | 29.7                                      | 32.5                                    | 31.1                            |
| 20                   | 42                      | 188                          | 3987                  | 23.9                                      | 26.1                                    | 25.0                            |
| 15                   | 31                      | 177                          | 2986                  | 18.2                                      | 19.8                                    | 19.0                            |
| 10                   | 21                      | 163                          | 2063                  | 13.0                                      | 14.1                                    | 13.6                            |

Photometric test report

|                               |                                                  |                                 |
|-------------------------------|--------------------------------------------------|---------------------------------|
| Family<br>Streetlight 31 midi | Order number: 5XH3D31R08MA<br>EAN: 4069025095121 | LP number<br>59076_1858         |
| 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                       | 19650              | 143.6                                  | 159.6                                | 151.6                        |
| 95                | 238                  | 252                       | 18695              | 133.9                                  | 148.7                                | 141.3                        |
| 90                | 222                  | 249                       | 17702              | 124.3                                  | 137.9                                | 131.1                        |
| 85                | 206                  | 246                       | 16672              | 114.9                                  | 127.4                                | 121.2                        |
| 80                | 192                  | 244                       | 15740              | 106.8                                  | 118.2                                | 112.5                        |
| 75                | 177                  | 241                       | 14709              | 98.1                                   | 108.5                                | 103.3                        |
| 70                | 163                  | 238                       | 13720              | 90.1                                   | 99.6                                 | 94.8                         |
| 65                | 150                  | 235                       | 12777              | 82.8                                   | 91.4                                 | 87.1                         |
| 60                | 137                  | 231                       | 11810              | 75.4                                   | 83.3                                 | 79.4                         |
| 55                | 124                  | 228                       | 10817              | 68.2                                   | 75.2                                 | 71.7                         |
| 50                | 111                  | 224                       | 9798               | 61.0                                   | 67.3                                 | 64.2                         |
| 45                | 99                   | 219                       | 8836               | 54.3                                   | 59.9                                 | 57.1                         |
| 40                | 87                   | 215                       | 7851               | 47.7                                   | 52.7                                 | 50.2                         |
| 35                | 75                   | 209                       | 6844               | 41.1                                   | 45.3                                 | 43.2                         |
| 30                | 64                   | 204                       | 5902               | 35.2                                   | 38.7                                 | 37.0                         |
| 25                | 53                   | 197                       | 4944               | 29.4                                   | 32.2                                 | 30.8                         |
| 20                | 42                   | 188                       | 3967               | 23.7                                   | 25.9                                 | 24.8                         |
| 15                | 31                   | 177                       | 2972               | 18.1                                   | 19.7                                 | 18.9                         |
| 10                | 21                   | 163                       | 2054               | 12.9                                   | 14.0                                 | 13.4                         |

Photometric test report

|                               |                                                  |                         |
|-------------------------------|--------------------------------------------------|-------------------------|
| Family<br>Streetlight 31 midi | Order number: 5XH3D31R08MA<br>EAN: 4069025095121 | LP number<br>59076_1858 |
| Luminousfluxs table           |                                                  | siteco                  |

| Temperature<br>°C | Luminous flux<br>lm | Power consumption<br>W |
|-------------------|---------------------|------------------------|
| 25.0              | 19310.0             | 142.8                  |
| 5.0               | 19940.0             | 144.4                  |
| 15.0              | 19650.0             | 143.6                  |