

## Photometric test report

Family  
LANTERN LED

Order number: 5XA5255FF14H  
EAN: 4058352635964

LP number  
57122\_32



**Version** post-top- or mounting to wall arm  
**Optic** asymmetric, extremely wide distribution (P1.0a)  
**Cover** cover transparent, PMMA  
**Lamps** LED 3000 K | CRI ≥ 70  
**Controlgear** ECG SITECO iQ  
**Rated values** Net luminous flux = 1510 lm  
Power consumption = 10.5 W  
Luminous efficacy = 143.8 lm/W

serial  
documentation  
08.07.2022

siteco

Luminous intensity in cd/klm

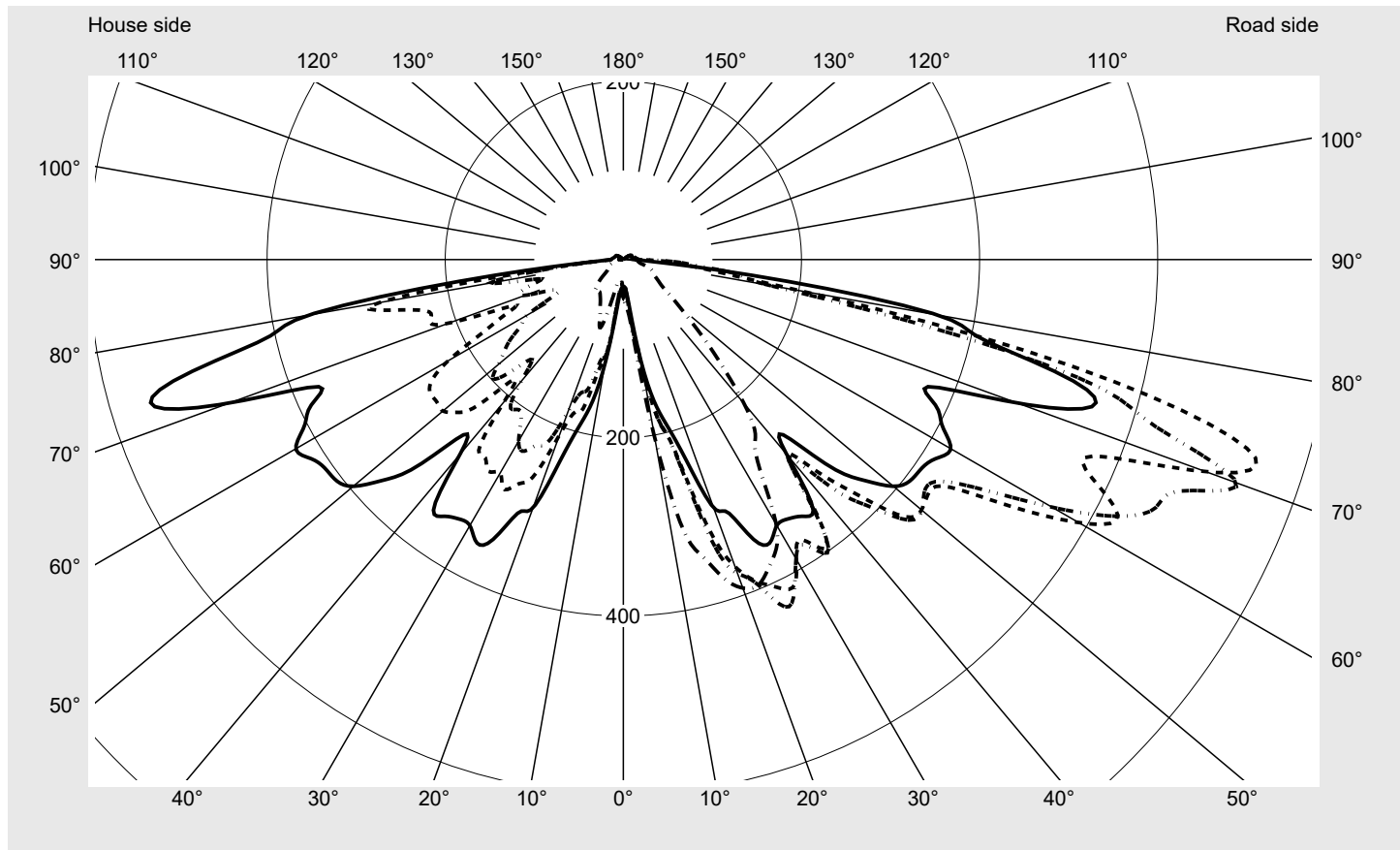
**C180-0**

**C190-10**

**C195-15**

**C270-90**

**Imax: 745 cd/klm**



#### Luminaire output ratios

|                |        |
|----------------|--------|
| Eta            | 100.0% |
| Eta 0° - 90°   | 96.2%  |
| Eta 90° - 180° | 3.8%   |

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

|           |       |
|-----------|-------|
| Class:    | ---   |
| Imax 70°  | 733.1 |
| Imax 80°  | 358.5 |
| Imax 90°  | 16.7  |
| Imax >90° | 14.8  |
| Imax >95° | 14.2  |

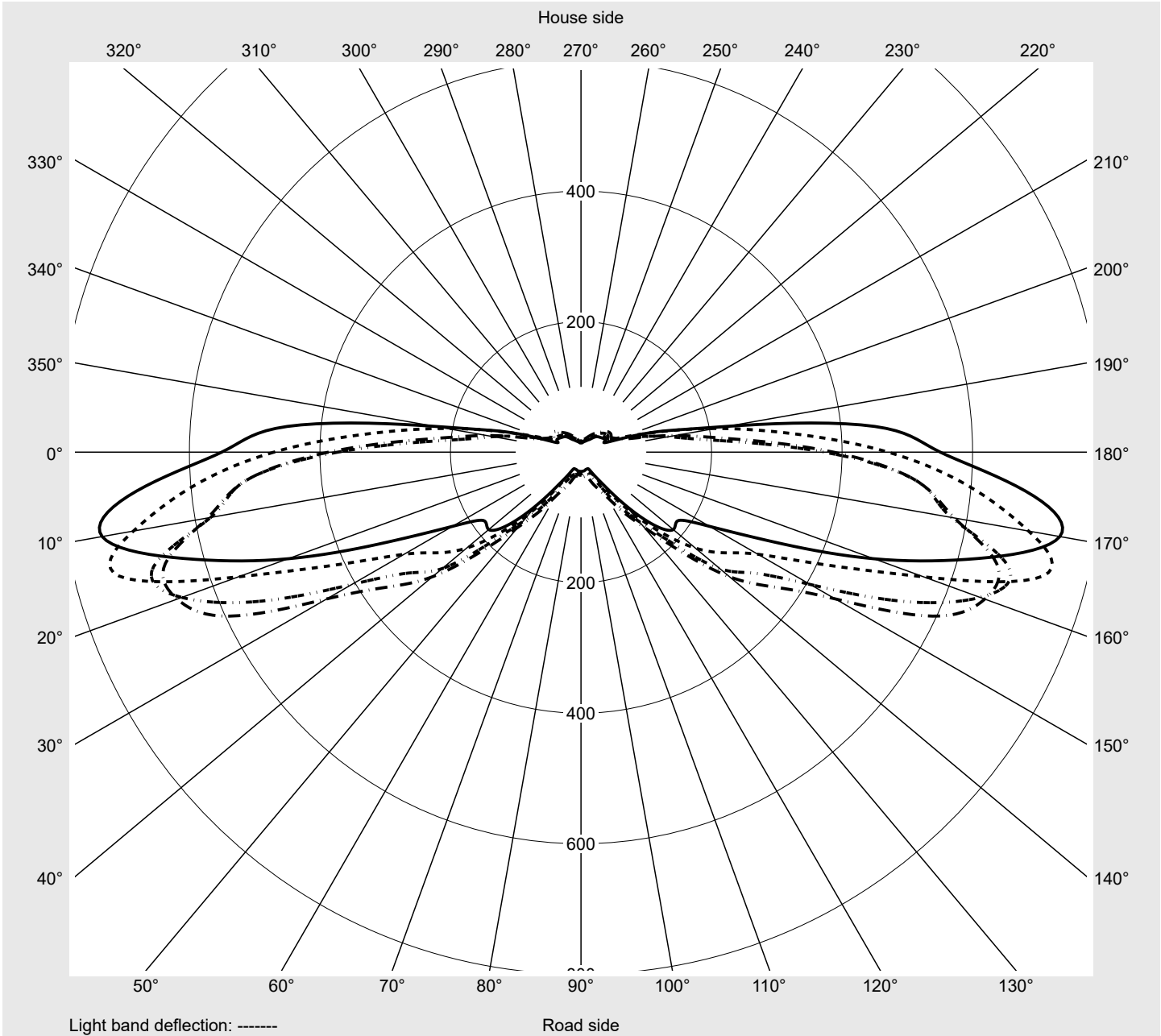
#### Measurement conditions

DIN EN 13032 and DIN 5032

**Photometric test report**

|                                     |  |                                     |
|-------------------------------------|--|-------------------------------------|
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**Envelope curve in cd/klm**      **KMK 72.5°**    **KMK 70°**    **KMK 67.5°**    **KMK 65°**      **siteco**



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|---|--|-------------------------------------|
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| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b>   |
|   |  | <b>siteco</b>                       |

| C-planes | 0°<br>180°                   | 5°<br>175° | 10°<br>170° | 15°<br>165° | 20°<br>160° | 25°<br>155° | 30°<br>150° | 35°<br>145° | 40°<br>140° | 45°<br>135° | 50°<br>130° | 55°<br>125° | 60°<br>120° |
|----------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $\gamma$ | Luminous intensity in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 0,0°     | 42.3                         | 42.3       | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        | 42.3        |
| 2,5°     | 33.5                         | 33.8       | 34.1        | 34.5        | 34.8        | 35.4        | 36.4        | 37.4        | 39.3        | 40.9        | 43.2        | 45.4        | 47.3        |
| 5,0°     | 35.1                         | 35.8       | 36.4        | 37.0        | 37.7        | 39.9        | 41.9        | 44.8        | 49.0        | 51.5        | 53.8        | 56.0        | 57.3        |
| 7,5°     | 57.0                         | 64.4       | 71.5        | 77.3        | 82.8        | 87.9        | 91.2        | 94.4        | 97.3        | 99.2        | 99.5        | 98.9        | 97.3        |
| 10,0°    | 118.9                        | 123.4      | 127.9       | 132.4       | 137.2       | 141.4       | 148.5       | 157.2       | 162.3       | 167.5       | 173.3       | 176.2       | 184.6       |
| 12,5°    | 166.2                        | 169.1      | 187.5       | 186.2       | 198.4       | 205.8       | 211.6       | 220.3       | 235.8       | 238.7       | 251.6       | 263.8       | 278.6       |
| 15,0°    | 195.5                        | 219.0      | 219.7       | 223.2       | 265.4       | 282.5       | 296.0       | 311.8       | 317.3       | 337.2       | 345.3       | 348.5       | 353.0       |
| 17,5°    | 238.0                        | 256.1      | 313.4       | 332.1       | 362.4       | 374.3       | 389.7       | 386.5       | 376.5       | 373.0       | 372.7       | 373.6       | 372.0       |
| 20,0°    | 296.3                        | 334.3      | 366.9       | 374.9       | 379.1       | 397.5       | 406.2       | 418.4       | 413.9       | 413.2       | 395.9       | 396.2       | 391.0       |
| 22,5°    | 307.3                        | 359.8      | 391.0       | 394.9       | 408.7       | 393.9       | 415.2       | 403.9       | 407.5       | 420.7       | 403.9       | 406.8       | 401.0       |
| 25,0°    | 346.9                        | 374.6      | 405.5       | 430.3       | 412.9       | 407.5       | 405.5       | 405.5       | 409.7       | 410.3       | 409.4       | 396.8       | 391.0       |
| 27,5°    | 357.5                        | 382.3      | 413.9       | 416.1       | 410.3       | 408.7       | 402.0       | 403.9       | 397.8       | 391.7       | 388.8       | 380.7       | 374.3       |
| 30,0°    | 344.6                        | 365.9      | 388.4       | 387.8       | 385.5       | 391.3       | 382.3       | 385.9       | 380.4       | 369.8       | 364.6       | 354.6       | 342.7       |
| 32,5°    | 345.0                        | 360.4      | 372.7       | 379.4       | 382.3       | 377.2       | 390.4       | 392.0       | 378.5       | 364.3       | 351.7       | 331.8       | 308.6       |
| 35,0°    | 351.7                        | 385.2      | 395.9       | 400.7       | 391.7       | 386.8       | 384.6       | 368.5       | 359.5       | 339.8       | 317.6       | 298.9       | 282.8       |
| 37,5°    | 348.8                        | 360.7      | 351.7       | 346.3       | 354.6       | 334.0       | 319.8       | 318.2       | 313.1       | 299.5       | 290.5       | 264.4       | 251.2       |
| 40,0°    | 285.4                        | 279.6      | 285.4       | 289.9       | 283.1       | 303.7       | 312.4       | 310.8       | 303.4       | 279.9       | 256.1       | 228.7       | 214.8       |
| 42,5°    | 267.7                        | 288.9      | 323.7       | 348.8       | 357.8       | 364.9       | 360.1       | 342.4       | 327.2       | 286.3       | 250.9       | 212.6       | 195.2       |
| 45,0°    | 329.2                        | 351.4      | 374.9       | 392.6       | 398.4       | 389.7       | 369.8       | 349.5       | 320.5       | 284.1       | 237.1       | 198.7       | 181.3       |
| 47,5°    | 366.9                        | 402.6      | 426.8       | 432.6       | 418.7       | 397.8       | 368.2       | 340.5       | 303.7       | 260.9       | 214.5       | 185.2       | 173.6       |
| 50,0°    | 395.9                        | 424.2      | 437.1       | 437.7       | 434.2       | 415.5       | 381.4       | 349.5       | 299.2       | 236.4       | 188.1       | 168.5       | 158.5       |
| 52,5°    | 406.8                        | 436.1      | 431.6       | 426.5       | 434.8       | 426.5       | 396.5       | 350.4       | 297.0       | 222.9       | 168.8       | 156.2       | 139.1       |
| 55,0°    | 408.7                        | 438.1      | 444.5       | 433.9       | 427.4       | 425.2       | 400.4       | 353.0       | 292.1       | 217.7       | 161.0       | 144.9       | 123.0       |
| 57,5°    | 415.8                        | 465.4      | 515.0       | 481.5       | 443.8       | 440.9       | 399.1       | 352.4       | 294.1       | 216.1       | 156.5       | 127.2       | 105.6       |
| 60,0°    | 424.5                        | 511.8      | 590.4       | 555.9       | 500.9       | 479.6       | 416.5       | 356.6       | 295.7       | 226.4       | 159.1       | 122.1       | 99.8        |
| 62,5°    | 403.6                        | 517.3      | 625.8       | 623.9       | 613.9       | 570.8       | 447.1       | 365.9       | 304.4       | 225.5       | 157.2       | 115.6       | 97.6        |
| 65,0°    | 386.8                        | 517.9      | 581.1       | 659.3       | 658.4       | 594.6       | 449.6       | 360.1       | 297.0       | 213.5       | 150.1       | 110.8       | 78.6        |
| 67,5°    | 372.7                        | 518.3      | 576.2       | 678.0       | 651.0       | 540.2       | 405.5       | 323.1       | 277.6       | 195.8       | 139.1       | 99.2        | 61.8        |
| 70,0°    | 470.6                        | 596.2      | 696.4       | 733.1       | 558.5       | 406.5       | 313.1       | 269.0       | 228.7       | 174.3       | 121.8       | 74.1        | 44.8        |
| 72,5°    | 550.5                        | 683.5      | 745.0       | 629.7       | 477.7       | 325.3       | 227.4       | 182.6       | 184.6       | 157.8       | 106.9       | 63.5        | 41.9        |
| 75,0°    | 519.9                        | 539.5      | 642.9       | 552.7       | 376.9       | 219.7       | 160.1       | 132.7       | 121.1       | 98.9        | 73.1        | 47.0        | 31.6        |
| 77,5°    | 412.9                        | 386.5      | 437.4       | 360.4       | 254.1       | 153.6       | 121.8       | 107.3       | 83.4        | 63.1        | 42.2        | 27.4        | 22.5        |
| 80,0°    | 358.5                        | 319.2      | 202.3       | 166.2       | 151.1       | 108.9       | 92.8        | 69.6        | 45.7        | 38.0        | 29.0        | 22.2        | 19.0        |
| 82,5°    | 182.3                        | 137.2      | 108.5       | 132.4       | 109.8       | 83.7        | 68.9        | 47.7        | 26.4        | 20.9        | 18.7        | 18.0        | 17.7        |
| 85,0°    | 53.8                         | 46.4       | 72.5        | 85.7        | 75.4        | 52.8        | 42.8        | 33.2        | 20.9        | 18.0        | 16.7        | 16.7        | 16.4        |
| 87,5°    | 22.5                         | 32.2       | 49.9        | 58.9        | 39.0        | 31.6        | 25.8        | 22.2        | 16.7        | 15.5        | 15.8        | 15.8        | 15.5        |
| 90,0°    | 14.5                         | 15.1       | 16.4        | 16.7        | 16.4        | 15.8        | 15.5        | 15.1        | 14.8        | 14.8        | 14.8        | 15.1        | 14.8        |
| 92,5°    | 13.2                         | 13.9       | 14.2        | 14.5        | 14.5        | 14.8        | 14.8        | 14.8        | 14.8        | 14.8        | 14.8        | 14.8        | 14.8        |
| 95,0°    | 12.6                         | 13.2       | 13.9        | 13.9        | 13.9        | 14.2        | 14.2        | 14.2        | 14.2        | 14.2        | 14.2        | 14.5        | 14.5        |
| 97,5°    | 11.9                         | 12.6       | 13.2        | 13.2        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.9        | 13.9        | 14.2        | 14.2        |
| 100,0°   | 11.3                         | 11.9       | 12.2        | 12.2        | 12.6        | 12.9        | 12.9        | 12.9        | 12.9        | 13.2        | 13.5        | 13.5        | 13.5        |
| 102,5°   | 10.6                         | 11.0       | 11.6        | 11.6        | 11.9        | 12.2        | 12.2        | 12.2        | 12.6        | 12.9        | 12.9        | 12.9        | 12.9        |
| 105,0°   | 10.3                         | 10.6       | 11.0        | 11.3        | 11.6        | 11.6        | 11.9        | 11.9        | 12.2        | 12.2        | 12.2        | 12.2        | 12.9        |
| 107,5°   | 10.0                         | 10.3       | 10.6        | 11.0        | 11.0        | 11.3        | 11.6        | 11.6        | 11.6        | 11.6        | 12.2        | 12.2        | 12.2        |
| 110,0°   | 9.7                          | 10.0       | 10.3        | 10.6        | 11.0        | 11.0        | 11.3        | 11.6        | 11.6        | 11.6        | 11.9        | 12.2        | 12.2        |
| 112,5°   | 9.7                          | 10.0       | 10.3        | 10.3        | 10.6        | 11.0        | 11.0        | 11.0        | 11.6        | 11.6        | 11.6        | 11.6        | 11.9        |

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| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b>   |
|   |  | <b>siteco</b>                       |

| C-planes | 65°<br>115°                  | 70°<br>110° | 75°<br>105° | 80°<br>100° | 85°<br>95° | 90°   | 185°<br>355° | 190°<br>350° | 195°<br>345° | 200°<br>340° | 205°<br>335° | 210°<br>330° | 215°<br>325° |
|----------|------------------------------|-------------|-------------|-------------|------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| γ        | Luminous intensity in cd/klm |             |             |             |            |       |              |              |              |              |              |              |              |
| 0,0°     | 42.3                         | 42.3        | 42.3        | 42.3        | 42.3       | 42.3  | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         |
| 2,5°     | 48.6                         | 49.0        | 49.3        | 49.6        | 49.6       | 49.6  | 33.5         | 33.5         | 33.5         | 33.2         | 32.9         | 32.5         | 32.5         |
| 5,0°     | 57.7                         | 57.7        | 58.0        | 58.0        | 58.0       | 58.0  | 35.1         | 35.1         | 35.4         | 35.8         | 35.8         | 35.4         | 35.1         |
| 7,5°     | 96.3                         | 95.7        | 94.7        | 92.8        | 92.1       | 92.1  | 49.0         | 43.5         | 39.6         | 37.7         | 36.7         | 36.1         | 35.8         |
| 10,0°    | 193.6                        | 195.2       | 197.4       | 200.0       | 201.6      | 203.6 | 114.0        | 110.8        | 105.0        | 97.0         | 88.3         | 75.4         | 55.7         |
| 12,5°    | 292.1                        | 303.4       | 313.7       | 314.7       | 311.5      | 310.5 | 145.9        | 125.9        | 114.7        | 111.1        | 99.8         | 97.9         | 95.7         |
| 15,0°    | 350.8                        | 352.1       | 350.8       | 349.2       | 345.6      | 345.3 | 180.1        | 172.0        | 148.5        | 165.2        | 128.5        | 131.4        | 123.7        |
| 17,5°    | 373.3                        | 374.6       | 378.5       | 375.6       | 375.6      | 374.9 | 220.0        | 179.4        | 156.5        | 145.3        | 164.9        | 128.2        | 111.4        |
| 20,0°    | 392.3                        | 389.1       | 391.3       | 389.1       | 391.7      | 392.3 | 266.4        | 209.0        | 182.0        | 169.7        | 136.6        | 120.8        | 110.2        |
| 22,5°    | 393.6                        | 389.7       | 388.4       | 389.4       | 391.3      | 395.5 | 287.0        | 263.2        | 222.2        | 184.9        | 156.5        | 138.5        | 120.8        |
| 25,0°    | 385.9                        | 380.1       | 380.7       | 380.7       | 383.6      | 383.9 | 307.0        | 277.6        | 230.0        | 179.7        | 163.6        | 140.8        | 127.2        |
| 27,5°    | 363.3                        | 355.9       | 358.5       | 364.9       | 368.5      | 369.8 | 330.8        | 290.5        | 242.5        | 198.4        | 171.0        | 143.7        | 120.8        |
| 30,0°    | 323.7                        | 318.2       | 326.0       | 334.0       | 339.8      | 343.4 | 323.1        | 276.4        | 235.1        | 209.0        | 174.9        | 140.1        | 113.1        |
| 32,5°    | 293.4                        | 289.6       | 292.5       | 292.5       | 291.5      | 291.2 | 310.5        | 281.8        | 213.5        | 186.2        | 173.0        | 132.1        | 95.0         |
| 35,0°    | 274.1                        | 270.2       | 268.0       | 262.2       | 258.3      | 257.7 | 322.7        | 270.9        | 205.5        | 180.4        | 154.0        | 108.2        | 77.0         |
| 37,5°    | 245.4                        | 245.8       | 245.8       | 242.5       | 242.2      | 242.9 | 300.5        | 265.4        | 208.4        | 184.9        | 132.7        | 84.4         | 62.5         |
| 40,0°    | 209.7                        | 212.3       | 213.5       | 214.2       | 211.9      | 210.7 | 264.1        | 208.1        | 178.8        | 162.7        | 112.4        | 75.0         | 59.6         |
| 42,5°    | 197.4                        | 198.1       | 193.6       | 182.3       | 174.6      | 169.4 | 236.1        | 182.6        | 152.0        | 121.8        | 91.2         | 65.4         | 61.8         |
| 45,0°    | 175.2                        | 170.7       | 162.7       | 148.5       | 137.2      | 134.6 | 304.4        | 232.2        | 176.5        | 129.2        | 76.7         | 65.1         | 64.1         |
| 47,5°    | 157.8                        | 146.2       | 135.0       | 119.5       | 108.2      | 104.4 | 319.5        | 253.8        | 198.1        | 115.3        | 65.1         | 63.8         | 65.7         |
| 50,0°    | 142.0                        | 124.3       | 110.5       | 97.0        | 85.7       | 82.5  | 337.6        | 264.4        | 183.0        | 108.2        | 62.5         | 62.8         | 64.1         |
| 52,5°    | 121.8                        | 103.1       | 91.2        | 79.2        | 68.9       | 67.0  | 346.6        | 263.5        | 168.1        | 85.4         | 63.1         | 60.9         | 61.5         |
| 55,0°    | 104.7                        | 88.3        | 75.0        | 65.4        | 57.0       | 54.8  | 342.7        | 263.8        | 153.3        | 77.6         | 63.1         | 58.6         | 58.3         |
| 57,5°    | 91.8                         | 74.4        | 62.2        | 53.8        | 48.6       | 48.3  | 350.4        | 256.1        | 135.0        | 67.3         | 61.8         | 57.7         | 56.4         |
| 60,0°    | 79.2                         | 60.9        | 50.2        | 45.4        | 43.8       | 43.8  | 344.0        | 227.1        | 125.0        | 65.7         | 60.2         | 56.4         | 55.7         |
| 62,5°    | 75.4                         | 56.4        | 43.2        | 39.9        | 39.9       | 39.9  | 297.0        | 179.1        | 87.6         | 59.3         | 56.4         | 55.7         | 55.4         |
| 65,0°    | 61.8                         | 50.2        | 39.9        | 37.4        | 37.7       | 37.4  | 232.9        | 146.9        | 82.1         | 61.2         | 52.5         | 53.1         | 52.8         |
| 67,5°    | 45.7                         | 37.7        | 35.4        | 34.5        | 35.1       | 35.4  | 207.4        | 136.6        | 91.2         | 60.2         | 47.0         | 48.0         | 47.7         |
| 70,0°    | 35.8                         | 34.5        | 32.2        | 32.2        | 32.9       | 33.5  | 325.3        | 209.0        | 117.2        | 66.0         | 45.4         | 43.8         | 42.5         |
| 72,5°    | 29.3                         | 27.4        | 27.7        | 29.0        | 29.3       | 29.6  | 451.9        | 227.4        | 120.8        | 48.3         | 40.3         | 40.9         | 38.3         |
| 75,0°    | 24.8                         | 24.8        | 25.1        | 25.4        | 25.1       | 25.1  | 466.7        | 226.1        | 103.7        | 44.4         | 35.8         | 35.4         | 34.5         |
| 77,5°    | 21.6                         | 21.9        | 22.2        | 21.3        | 20.6       | 20.0  | 356.9        | 261.5        | 101.5        | 31.6         | 32.9         | 32.9         | 31.2         |
| 80,0°    | 19.6                         | 19.6        | 19.3        | 18.7        | 18.0       | 18.0  | 212.9        | 279.6        | 150.7        | 36.4         | 29.0         | 28.7         | 27.7         |
| 82,5°    | 18.4                         | 18.0        | 17.4        | 16.7        | 16.7       | 16.7  | 134.0        | 119.2        | 96.0         | 23.5         | 25.1         | 25.8         | 25.4         |
| 85,0°    | 16.4                         | 16.4        | 16.1        | 16.1        | 16.1       | 16.1  | 75.7         | 43.2         | 48.3         | 31.9         | 22.5         | 23.5         | 23.8         |
| 87,5°    | 15.5                         | 15.5        | 15.5        | 15.5        | 15.5       | 15.5  | 23.2         | 18.7         | 19.6         | 19.6         | 20.6         | 21.9         | 20.9         |
| 90,0°    | 14.8                         | 14.8        | 14.8        | 14.8        | 14.8       | 14.8  | 13.2         | 12.2         | 12.2         | 12.2         | 12.9         | 12.6         | 11.9         |
| 92,5°    | 14.8                         | 14.8        | 14.8        | 14.8        | 14.8       | 14.8  | 12.6         | 11.9         | 11.0         | 10.3         | 9.7          | 9.0          | 8.4          |
| 95,0°    | 14.5                         | 14.8        | 14.8        | 14.8        | 14.8       | 14.8  | 11.9         | 11.3         | 10.6         | 10.0         | 9.3          | 8.7          | 8.1          |
| 97,5°    | 14.2                         | 14.2        | 14.2        | 14.2        | 14.2       | 14.2  | 11.3         | 11.0         | 10.3         | 9.7          | 9.0          | 8.4          | 7.7          |
| 100,0°   | 13.5                         | 13.5        | 13.5        | 13.5        | 13.5       | 13.5  | 11.3         | 10.6         | 10.0         | 9.3          | 8.7          | 8.1          | 7.7          |
| 102,5°   | 12.9                         | 12.9        | 12.9        | 12.9        | 12.9       | 12.9  | 10.3         | 10.0         | 9.3          | 8.7          | 8.1          | 7.7          | 7.1          |
| 105,0°   | 12.9                         | 12.9        | 12.9        | 12.9        | 12.9       | 12.2  | 10.0         | 9.3          | 9.0          | 8.4          | 8.1          | 7.7          | 7.1          |
| 107,5°   | 12.2                         | 12.2        | 12.6        | 12.9        | 12.9       | 11.6  | 9.7          | 9.0          | 8.7          | 8.4          | 7.7          | 7.4          | 7.1          |
| 110,0°   | 12.2                         | 12.2        | 12.2        | 12.2        | 12.2       | 11.0  | 9.3          | 9.0          | 8.7          | 8.1          | 7.7          | 7.4          | 7.1          |
| 112,5°   | 12.2                         | 12.2        | 12.2        | 12.2        | 11.3       | 7.1   | 9.0          | 9.0          | 8.4          | 8.4          | 7.7          | 7.1          | 7.1          |

## Photometric test report

|   |  |                                   |
|---|--|-----------------------------------|
| Family<br><b>LANTERN LED</b>                    | Order number: <b>5XA5255FF14H</b><br>EAN: <b>4058352635964</b> | LP number<br><b>57122_32</b>      |
| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b> |
|   |  | <b>siteco</b>                     |

| C-planes | 220°<br>320°                 | 225°<br>315° | 230°<br>310° | 235°<br>305° | 240°<br>300° | 245°<br>295° | 250°<br>290° | 255°<br>285° | 260°<br>280° | 265°<br>275° | 270° | Phi-zone                | Total<br>Phi-zone |
|----------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|-------------------------|-------------------|
| γ        | Luminous intensity in cd/klm |              |              |              |              |              |              |              |              |              |      | Luminous flux in lm/klm |                   |
| 0,0°     | 42.3                         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3         | 42.3 | 0.1                     | 0.1               |
| 2,5°     | 32.5                         | 32.2         | 32.2         | 31.9         | 31.2         | 30.9         | 30.3         | 29.6         | 28.3         | 28.0         | 27.7 | 0.4                     | 0.5               |
| 5,0°     | 34.5                         | 33.8         | 33.2         | 32.5         | 31.2         | 30.6         | 29.6         | 28.7         | 28.0         | 27.1         | 26.4 | 1.0                     | 1.5               |
| 7,5°     | 35.1                         | 34.5         | 33.5         | 32.9         | 31.6         | 30.3         | 29.0         | 28.0         | 27.4         | 27.1         | 27.1 | 2.2                     | 3.7               |
| 10,0°    | 43.5                         | 38.3         | 36.1         | 34.1         | 33.5         | 31.2         | 29.0         | 26.4         | 25.4         | 25.1         | 25.1 | 5.3                     | 9.0               |
| 12,5°    | 89.2                         | 82.5         | 68.3         | 57.3         | 47.3         | 42.5         | 37.0         | 29.3         | 26.1         | 25.1         | 25.1 | 9.6                     | 18.6              |
| 15,0°    | 102.1                        | 99.8         | 103.4        | 95.3         | 100.5        | 65.1         | 56.7         | 50.9         | 43.2         | 37.7         | 36.1 | 14.7                    | 33.3              |
| 17,5°    | 108.2                        | 92.1         | 104.7        | 87.6         | 83.7         | 76.0         | 75.0         | 71.5         | 73.1         | 74.1         | 74.1 | 19.6                    | 52.9              |
| 20,0°    | 97.9                         | 90.5         | 108.2        | 100.5        | 88.3         | 84.4         | 78.6         | 69.3         | 71.8         | 77.6         | 78.6 | 24.1                    | 77.0              |
| 22,5°    | 102.7                        | 104.4        | 102.1        | 93.7         | 81.8         | 74.1         | 73.1         | 67.0         | 68.6         | 69.6         | 68.3 | 27.7                    | 104.7             |
| 25,0°    | 107.9                        | 111.4        | 80.8         | 72.5         | 70.5         | 71.5         | 69.6         | 66.4         | 61.5         | 61.8         | 61.8 | 30.7                    | 135.4             |
| 27,5°    | 108.2                        | 80.8         | 69.6         | 66.7         | 69.3         | 71.8         | 66.7         | 61.5         | 55.7         | 56.0         | 56.0 | 32.9                    | 168.3             |
| 30,0°    | 92.4                         | 77.3         | 72.8         | 72.1         | 68.9         | 67.6         | 62.2         | 57.3         | 51.9         | 51.5         | 51.5 | 33.6                    | 201.9             |
| 32,5°    | 75.4                         | 75.4         | 74.1         | 71.8         | 69.3         | 66.7         | 60.2         | 55.7         | 49.3         | 48.3         | 48.3 | 34.4                    | 236.3             |
| 35,0°    | 70.2                         | 74.4         | 74.7         | 70.9         | 69.9         | 67.3         | 60.2         | 54.1         | 45.7         | 46.1         | 45.7 | 35.4                    | 271.7             |
| 37,5°    | 65.7                         | 70.5         | 70.9         | 70.2         | 69.6         | 68.9         | 60.9         | 55.1         | 44.1         | 45.4         | 45.1 | 34.2                    | 305.9             |
| 40,0°    | 59.6                         | 62.8         | 65.4         | 66.0         | 66.0         | 65.1         | 59.6         | 54.4         | 45.4         | 47.7         | 47.7 | 31.7                    | 337.6             |
| 42,5°    | 56.7                         | 55.1         | 59.3         | 60.6         | 59.3         | 58.9         | 56.4         | 52.5         | 46.1         | 46.7         | 47.0 | 33.1                    | 370.7             |
| 45,0°    | 61.8                         | 57.7         | 53.8         | 55.1         | 55.1         | 52.2         | 49.6         | 47.3         | 42.8         | 42.2         | 41.2 | 35.7                    | 406.4             |
| 47,5°    | 65.4                         | 62.5         | 57.3         | 50.2         | 48.0         | 45.4         | 42.5         | 39.0         | 37.4         | 38.3         | 37.4 | 37.0                    | 443.4             |
| 50,0°    | 65.4                         | 64.1         | 59.6         | 51.2         | 44.4         | 38.7         | 34.8         | 33.5         | 31.9         | 30.9         | 32.2 | 37.8                    | 481.2             |
| 52,5°    | 62.8                         | 62.8         | 60.6         | 53.1         | 44.4         | 37.0         | 30.9         | 27.1         | 26.1         | 25.8         | 26.4 | 38.0                    | 519.2             |
| 55,0°    | 58.3                         | 58.3         | 56.7         | 50.9         | 43.2         | 35.8         | 29.6         | 26.1         | 23.8         | 22.2         | 22.5 | 38.2                    | 557.4             |
| 57,5°    | 54.4                         | 53.1         | 51.9         | 46.7         | 40.3         | 34.1         | 28.7         | 25.4         | 22.5         | 20.9         | 20.6 | 39.4                    | 596.8             |
| 60,0°    | 52.5                         | 49.3         | 47.7         | 42.8         | 36.7         | 30.9         | 26.7         | 23.8         | 21.9         | 20.3         | 20.6 | 41.8                    | 638.6             |
| 62,5°    | 50.9                         | 46.4         | 43.5         | 38.7         | 32.9         | 28.7         | 24.5         | 22.5         | 20.9         | 19.6         | 20.0 | 43.7                    | 682.3             |
| 65,0°    | 49.3                         | 43.2         | 38.7         | 34.5         | 30.0         | 26.1         | 22.9         | 20.6         | 19.3         | 18.4         | 18.7 | 43.5                    | 725.8             |
| 67,5°    | 45.1                         | 40.3         | 35.4         | 30.9         | 26.4         | 23.5         | 20.9         | 19.3         | 17.7         | 17.1         | 17.4 | 42.0                    | 767.8             |
| 70,0°    | 39.9                         | 35.8         | 31.2         | 27.1         | 24.2         | 21.6         | 19.3         | 18.0         | 16.7         | 15.8         | 16.1 | 42.8                    | 810.5             |
| 72,5°    | 36.1                         | 33.5         | 29.0         | 24.2         | 21.6         | 19.3         | 17.7         | 16.4         | 15.1         | 14.2         | 14.2 | 41.7                    | 852.2             |
| 75,0°    | 31.6                         | 29.0         | 25.4         | 22.2         | 19.6         | 17.7         | 16.1         | 14.8         | 13.9         | 12.6         | 12.9 | 35.4                    | 887.6             |
| 77,5°    | 29.3                         | 26.1         | 23.2         | 20.3         | 17.7         | 15.5         | 13.9         | 12.9         | 11.9         | 11.0         | 11.0 | 27.0                    | 914.5             |
| 80,0°    | 25.4                         | 22.5         | 20.0         | 18.0         | 16.1         | 14.2         | 12.6         | 11.0         | 10.0         | 9.0          | 9.0  | 19.9                    | 934.4             |
| 82,5°    | 22.5                         | 19.6         | 16.4         | 15.1         | 14.2         | 12.9         | 11.6         | 9.7          | 8.7          | 7.7          | 7.7  | 12.5                    | 947.0             |
| 85,0°    | 20.3                         | 16.4         | 13.9         | 12.2         | 11.9         | 11.0         | 9.7          | 8.4          | 7.7          | 6.8          | 7.1  | 7.8                     | 954.8             |
| 87,5°    | 17.1                         | 13.9         | 11.3         | 10.0         | 9.3          | 9.0          | 7.7          | 7.1          | 6.4          | 5.8          | 6.4  | 5.3                     | 960.1             |
| 90,0°    | 10.0                         | 9.0          | 7.7          | 7.1          | 6.4          | 6.1          | 5.5          | 5.2          | 5.2          | 4.5          | 4.5  | 3.3                     | 963.4             |
| 92,5°    | 7.7                          | 7.1          | 6.4          | 6.4          | 5.8          | 5.2          | 4.5          | 4.5          | 4.5          | 3.9          | 4.5  | 3.1                     | 966.4             |
| 95,0°    | 7.7                          | 7.1          | 6.4          | 5.8          | 5.8          | 5.2          | 5.2          | 4.5          | 4.5          | 3.9          | 4.5  | 3.0                     | 969.4             |
| 97,5°    | 7.4                          | 7.1          | 6.4          | 5.8          | 5.8          | 5.2          | 4.8          | 4.5          | 4.5          | 4.5          | 3.9  | 2.9                     | 972.3             |
| 100,0°   | 7.1                          | 6.8          | 6.4          | 5.8          | 5.5          | 5.2          | 4.5          | 4.5          | 4.5          | 4.5          | 4.5  | 2.7                     | 975.0             |
| 102,5°   | 7.1                          | 6.4          | 5.8          | 5.8          | 5.2          | 5.2          | 4.5          | 4.5          | 4.2          | 3.9          | 3.9  | 2.6                     | 977.5             |
| 105,0°   | 6.8                          | 6.4          | 5.8          | 5.5          | 5.2          | 4.8          | 4.5          | 4.5          | 4.5          | 3.9          | 3.9  | 2.5                     | 980.0             |
| 107,5°   | 6.4                          | 6.4          | 5.8          | 5.5          | 5.2          | 4.8          | 4.5          | 4.5          | 4.2          | 3.9          | 3.9  | 2.4                     | 982.4             |
| 110,0°   | 6.4                          | 6.1          | 5.8          | 5.5          | 5.2          | 4.8          | 4.5          | 4.5          | 4.5          | 3.9          | 3.2  | 2.3                     | 984.7             |
| 112,5°   | 6.4                          | 6.4          | 5.8          | 5.5          | 5.2          | 5.2          | 4.5          | 4.5          | 4.5          | 3.9          | 2.6  | 2.2                     | 986.9             |

### Photometric test report

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| <b>Family</b><br><b>LANTERN LED</b> | <b>Order number: 5XA5255FF14H</b><br><b>EAN: 4058352635964</b> | <b>LP number</b><br><b>57122_32</b> |
|-------------------------------------|--|-------------------------------------|

|   |                                   |   |
|---|-----------------------------------|---|
| <b>Table of values for luminous intensities</b> | <b>Maximum luminous intensity</b> |  |
|---|-----------------------------------|---|

| C-planes | 0°<br>180°                   | 5°<br>175° | 10°<br>170° | 15°<br>165° | 20°<br>160° | 25°<br>155° | 30°<br>150° | 35°<br>145° | 40°<br>140° | 45°<br>135° | 50°<br>130° | 55°<br>125° | 60°<br>120° |
|----------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $\gamma$ | Luminous intensity in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 115,0°   | 9.3                          | 9.7        | 10.0        | 10.3        | 10.3        | 11.0        | 11.0        | 11.0        | 11.3        | 11.3        | 11.6        | 11.6        | 11.6        |
| 117,5°   | 9.3                          | 9.7        | 9.7         | 10.3        | 10.3        | 10.6        | 11.0        | 11.0        | 11.0        | 11.0        | 11.3        | 11.6        | 11.6        |
| 120,0°   | 9.0                          | 9.0        | 9.3         | 9.7         | 10.0        | 10.3        | 10.3        | 10.3        | 10.6        | 11.0        | 11.0        | 11.0        | 11.0        |
| 122,5°   | 8.1                          | 8.4        | 8.7         | 9.0         | 9.0         | 9.3         | 9.7         | 9.7         | 9.7         | 10.0        | 10.3        | 10.3        | 10.3        |
| 125,0°   | 6.8                          | 6.8        | 7.1         | 7.4         | 7.4         | 7.7         | 7.7         | 7.7         | 8.1         | 8.1         | 8.4         | 8.4         | 8.4         |
| 127,5°   | 4.8                          | 5.2        | 5.2         | 5.2         | 5.5         | 5.5         | 5.5         | 5.8         | 5.8         | 5.8         | 5.8         | 5.8         | 5.8         |
| 130,0°   | 3.9                          | 3.9        | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         | 3.9         |
| 132,5°   | 3.2                          | 3.2        | 3.2         | 3.2         | 3.5         | 3.5         | 3.2         | 3.5         | 3.5         | 3.2         | 3.2         | 3.5         | 3.5         |
| 135,0°   | 2.9                          | 2.9        | 2.9         | 3.2         | 3.2         | 3.2         | 2.9         | 3.2         | 3.2         | 2.9         | 3.2         | 2.9         | 3.2         |
| 137,5°   | 2.6                          | 2.6        | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         | 2.6         |
| 140,0°   | 1.9                          | 1.9        | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         | 1.9         |
| 142,5°   | 1.3                          | 1.3        | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.0         | 1.3         |
| 145,0°   | 1.3                          | 1.0        | 1.3         | 1.0         | 0.6         | 1.3         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         |
| 147,5°   | 1.3                          | 0.6        | 1.0         | 1.0         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         |
| 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         |
| 165,0°   | 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

|                                     |  |                                     |
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| <b>Family</b><br><b>LANTERN LED</b> | <b>Order number: 5XA5255FF14H</b><br><b>EAN: 4058352635964</b> | <b>LP number</b><br><b>57122_32</b> |
|                                     |  | <b>siteco</b>                       |

| C-planes | 65°<br>115°                  | 70°<br>110° | 75°<br>105° | 80°<br>100° | 85°<br>95° | 90° | 185°<br>355° | 190°<br>350° | 195°<br>345° | 200°<br>340° | 205°<br>335° | 210°<br>330° | 215°<br>325° |
|----------|------------------------------|-------------|-------------|-------------|------------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\gamma$ | Luminous intensity in cd/klm |             |             |             |            |     |              |              |              |              |              |              |              |
| 115,0°   | 11.9                         | 11.9        | 12.2        | 12.2        | 10.0       | 4.5 | 9.0          | 8.7          | 8.4          | 8.1          | 7.7          | 7.4          | 7.1          |
| 117,5°   | 11.6                         | 11.6        | 11.6        | 11.6        | 8.7        | 4.5 | 9.0          | 8.4          | 8.4          | 7.7          | 7.7          | 7.1          | 6.8          |
| 120,0°   | 11.3                         | 11.6        | 11.6        | 11.6        | 7.7        | 3.9 | 8.4          | 8.1          | 7.7          | 7.4          | 7.1          | 6.8          | 6.4          |
| 122,5°   | 10.3                         | 11.0        | 10.6        | 11.0        | 6.8        | 3.2 | 7.7          | 7.4          | 7.4          | 6.8          | 6.4          | 6.4          | 5.8          |
| 125,0°   | 8.4                          | 8.7         | 8.7         | 8.4         | 5.5        | 2.6 | 6.4          | 6.1          | 6.1          | 5.8          | 5.5          | 5.2          | 5.2          |
| 127,5°   | 5.8                          | 6.1         | 6.4         | 5.8         | 3.9        | 2.6 | 4.8          | 4.5          | 4.5          | 4.5          | 4.2          | 3.9          | 3.9          |
| 130,0°   | 3.9                          | 3.9         | 3.9         | 3.9         | 2.6        | 1.9 | 3.9          | 3.9          | 3.5          | 3.2          | 3.2          | 3.2          | 3.2          |
| 132,5°   | 3.5                          | 3.9         | 3.5         | 3.2         | 2.3        | 1.9 | 3.2          | 3.2          | 3.2          | 3.2          | 3.2          | 2.9          | 2.6          |
| 135,0°   | 3.2                          | 3.2         | 3.2         | 2.6         | 1.9        | 1.9 | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          |
| 137,5°   | 2.6                          | 2.6         | 2.6         | 1.9         | 1.6        | 1.3 | 2.6          | 2.6          | 2.6          | 2.3          | 2.3          | 1.9          | 1.9          |
| 140,0°   | 1.9                          | 1.9         | 1.9         | 1.3         | 1.3        | 1.3 | 1.9          | 1.9          | 1.9          | 1.9          | 1.6          | 1.9          | 1.6          |
| 142,5°   | 1.3                          | 1.3         | 1.3         | 1.3         | 0.6        | 0.6 | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          |
| 145,0°   | 0.6                          | 0.6         | 0.6         | 0.6         | 0.6        | 0.6 | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          |
| 147,5°   | 0.6                          | 0.6         | 0.6         | 0.6         | 0.6        | 0.6 | 1.0          | 0.6          | 1.3          | 1.0          | 1.3          | 1.3          | 1.3          |
| 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          |
| 165,0°   | 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          |

| 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 |
|----------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|-------------------------|-------------------|
| $\gamma$ | Luminous intensity in cd/klm |              |              |              |              |              |              |              |              |              |      | Luminous flux in lm/klm |                   |
| 115,0°   | 6.4                          | 6.4          | 5.8          | 5.5          | 5.2          | 4.8          | 4.5          | 4.5          | 4.5          | 3.2          | 2.6  | 2.1                     | 989.0             |
| 117,5°   | 6.4                          | 5.8          | 5.8          | 5.2          | 5.2          | 4.5          | 4.5          | 4.5          | 3.9          | 3.2          | 1.9  | 2.0                     | 991.1             |
| 120,0°   | 6.1                          | 5.8          | 5.5          | 5.2          | 4.8          | 4.5          | 4.5          | 4.2          | 3.9          | 2.6          | 1.9  | 1.9                     | 993.0             |
| 122,5°   | 5.8                          | 5.2          | 5.2          | 4.5          | 4.5          | 4.5          | 3.9          | 3.9          | 3.9          | 2.6          | 1.9  | 1.7                     | 994.7             |
| 125,0°   | 4.8                          | 4.5          | 4.2          | 3.9          | 3.9          | 3.5          | 3.2          | 3.2          | 2.9          | 2.3          | 1.9  | 1.4                     | 996.0             |
| 127,5°   | 3.5                          | 3.5          | 3.2          | 3.2          | 3.2          | 2.9          | 2.6          | 2.6          | 2.3          | 1.9          | 1.9  | 1.0                     | 997.0             |
| 130,0°   | 3.2                          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.3          | 1.9          | 1.9          | 1.9  | 0.7                     | 997.7             |
| 132,5°   | 2.6                          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.3          | 1.9          | 1.9          | 1.3          | 1.9  | 0.6                     | 998.3             |
| 135,0°   | 2.6                          | 2.6          | 2.3          | 1.9          | 1.9          | 1.9          | 1.9          | 1.9          | 1.9          | 1.3          | 1.3  | 0.5                     | 998.8             |
| 137,5°   | 1.9                          | 1.9          | 1.9          | 1.9          | 1.9          | 1.9          | 1.6          | 1.3          | 1.3          | 1.3          | 1.3  | 0.4                     | 999.2             |
| 140,0°   | 1.6                          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3  | 0.3                     | 999.5             |
| 142,5°   | 1.3                          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3  | 0.2                     | 999.7             |
| 145,0°   | 1.3                          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3  | 0.2                     | 999.9             |
| 147,5°   | 1.3                          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3          | 1.3  | 0.1                     | 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            |
| 165,0°   | 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            |

## Photometric test report

|                              |  |                              |
|------------------------------|--|------------------------------|
| Family<br><b>LANTERN LED</b> | Order number: <b>5XA5255FF14H</b><br>EAN: <b>4058352635964</b> | LP number<br><b>57122_32</b> |
|------------------------------|--|------------------------------|

|                             |                                 |               |
|-----------------------------|---------------------------------|---------------|
| <b>Dimming levels table</b> | environmental temperature: 25°C | <b>siteco</b> |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] | Power consumption [W] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|-----------------------|-----------------------|
|                 |                      |                           |                    | start of lifetime     | end of lifetime       | average               |
| 100             | 254                  | 254                       | 1510               | 10.5                  | 10.8                  | 10.6                  |
| 95              | 241                  | 252                       | 1433               | 10.0                  | 10.3                  | 10.2                  |
| 90              | 229                  | 250                       | 1361               | 9.4                   | 9.8                   | 9.6                   |
| 85              | 216                  | 248                       | 1284               | 8.9                   | 9.2                   | 9.0                   |
| 80              | 203                  | 246                       | 1207               | 8.3                   | 8.7                   | 8.5                   |
| 75              | 190                  | 243                       | 1130               | 7.8                   | 8.1                   | 8.0                   |
| 70              | 178                  | 241                       | 1058               | 7.3                   | 7.6                   | 7.4                   |
| 65              | 165                  | 238                       | 981                | 6.9                   | 7.1                   | 7.0                   |
| 60              | 152                  | 235                       | 904                | 6.4                   | 6.6                   | 6.5                   |
| 55              | 140                  | 232                       | 832                | 5.9                   | 6.1                   | 6.0                   |
| 50              | 127                  | 229                       | 755                | 5.4                   | 5.6                   | 5.5                   |
| 45              | 114                  | 225                       | 678                | 5.0                   | 5.2                   | 5.1                   |
| 40              | 102                  | 221                       | 606                | 4.6                   | 4.7                   | 4.6                   |
| 35              | 89                   | 216                       | 529                | 4.1                   | 4.3                   | 4.2                   |
| 30              | 76                   | 210                       | 452                | 3.7                   | 3.8                   | 3.8                   |
| 28              | 72                   | 208                       | 428                | 3.5                   | 3.7                   | 3.6                   |