

Photometric test report

Family
LANTERN CLASSIC LED

Order number: **5XA5245LF14HP**
EAN: **4058352834619**

LP number
58717_19

serial
documentation
24.05.2022



Version post-top- or mounting to wall arm
Optic asymmetric, extremely wide distribution (P1.0a)
Cover cover transparent, PMMA
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 4400 lm
Power consumption = 33.6 W
Luminous efficacy = 130.9 lm/W

siteco

Luminous intensity in cd/klm

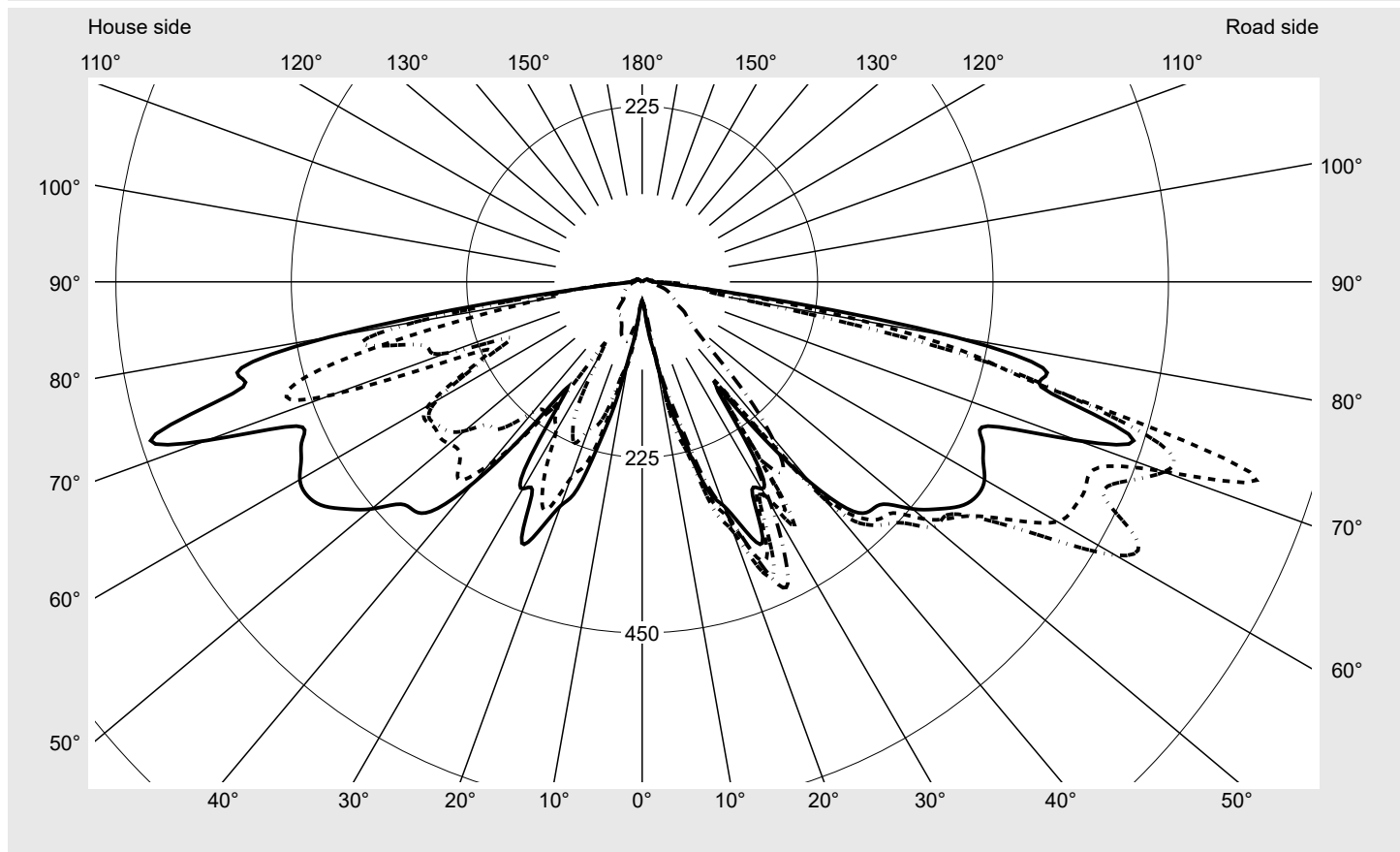
C180-0

C185-5

C190-10

C270-90

Imax: 822 cd/klm



Luminaire output ratios

| | |
|----------------|--------|
| Eta | 100.0% |
| Eta 0° - 90° | 96.4% |
| Eta 90° - 180° | 3.6% |

Luminous intensity class acc. to EN13201-2

| | |
|-----------|-------|
| Class: | --- |
| Imax 70° | 741.1 |
| Imax 80° | 408.1 |
| Imax 90° | 15.6 |
| Imax >90° | 14.8 |
| Imax >95° | 13.2 |

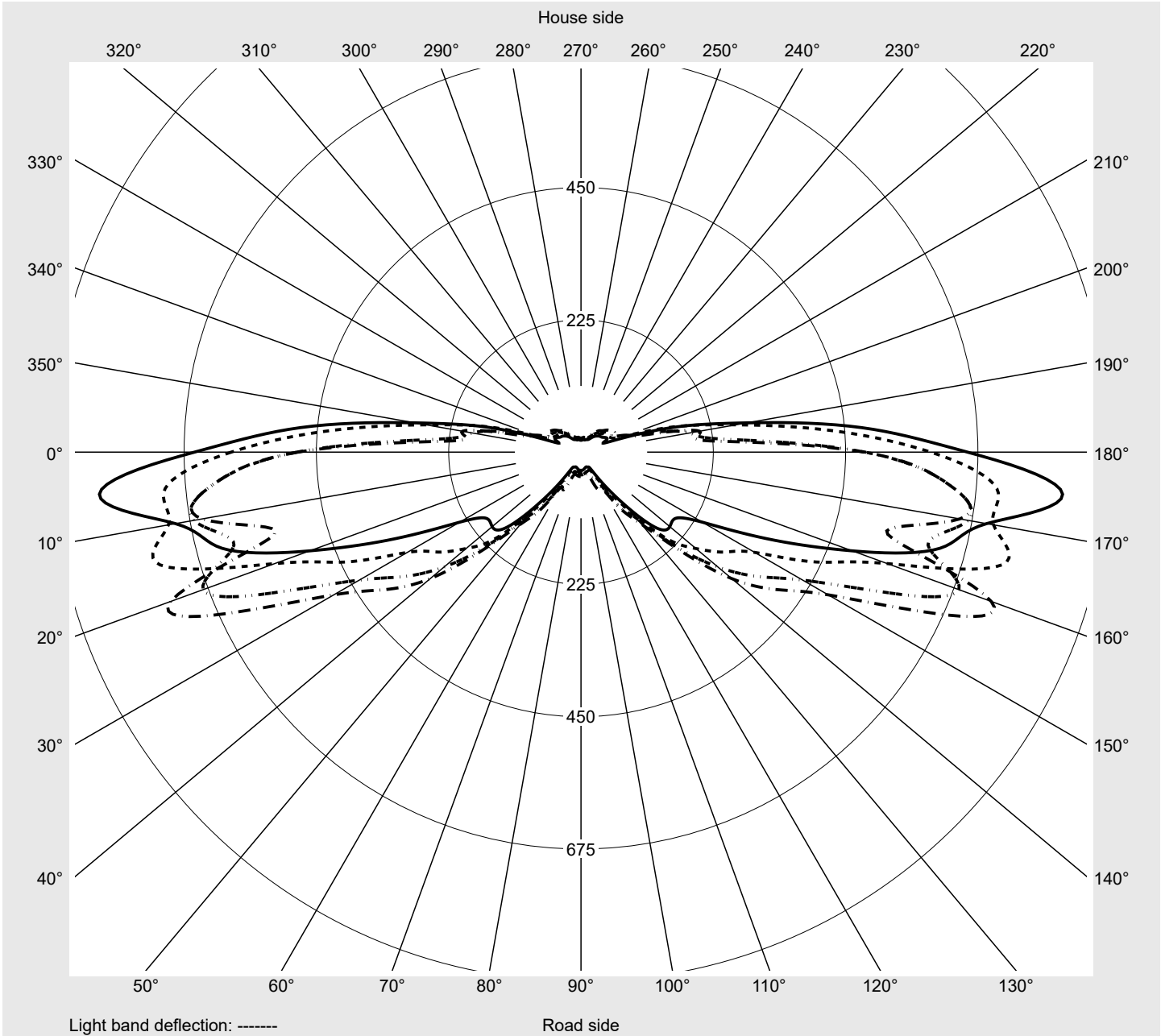
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

| | | |
|---|---|-------------------------------------|
| Family LANTERN CLASSIC LED | Order number: 5XA5245LF14HP EAN: 4058352834619 | LP number 58717_19 |
|---|---|-------------------------------------|

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



Photometric test report

| | | |
|---|---|-------------------------------------|
| Family LANTERN CLASSIC LED | Order number: 5XA5245LF14HP EAN: 4058352834619 | LP number 58717_19 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | siteco |

| C-planes | 0° 180° | 5° 175° | 10° 170° | 15° 165° | 20° 160° | 25° 155° | 30° 150° | 35° 145° | 40° 140° | 45° 135° | 50° 130° | 55° 125° | 60° 120° |
|----------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ | Luminous intensity in cd/klm | | | | | | | | | | | | |
| 0,0° | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| 2,5° | 30.7 | 30.5 | 31.6 | 30.7 | 31.6 | 30.5 | 31.2 | 30.5 | 31.2 | 30.5 | 31.4 | 30.8 | 31.8 |
| 5,0° | 34.6 | 34.2 | 33.4 | 34.0 | 32.6 | 33.4 | 32.0 | 33.4 | 33.2 | 34.2 | 34.8 | 34.4 | 34.0 |
| 7,5° | 69.0 | 62.7 | 71.8 | 56.2 | 63.1 | 53.4 | 61.5 | 56.2 | 63.7 | 57.9 | 60.7 | 52.8 | 56.0 |
| 10,0° | 98.1 | 102.0 | 98.3 | 111.1 | 106.8 | 109.4 | 103.6 | 92.3 | 92.1 | 89.0 | 91.8 | 91.2 | 97.1 |
| 12,5° | 159.4 | 170.7 | 188.8 | 172.6 | 169.5 | 136.8 | 143.0 | 154.6 | 164.7 | 163.5 | 166.7 | 134.3 | 133.5 |
| 15,0° | 216.3 | 207.0 | 229.8 | 216.3 | 220.3 | 223.2 | 225.6 | 224.8 | 231.9 | 213.0 | 228.6 | 234.3 | 213.6 |
| 17,5° | 280.4 | 290.1 | 306.7 | 304.3 | 293.6 | 268.1 | 278.2 | 261.2 | 278.2 | 282.2 | 303.5 | 285.3 | 270.7 |
| 20,0° | 305.3 | 321.9 | 340.5 | 334.4 | 331.6 | 301.6 | 338.3 | 344.1 | 361.3 | 327.3 | 346.6 | 327.3 | 334.8 |
| 22,5° | 344.7 | 380.6 | 402.0 | 395.1 | 360.3 | 319.5 | 358.9 | 361.1 | 364.2 | 356.9 | 373.5 | 356.1 | 351.2 |
| 25,0° | 366.2 | 379.1 | 399.8 | 392.7 | 373.5 | 329.0 | 358.7 | 366.0 | 356.9 | 356.5 | 361.9 | 344.7 | 328.2 |
| 27,5° | 305.9 | 320.3 | 333.8 | 346.4 | 351.6 | 308.3 | 349.8 | 347.2 | 345.5 | 346.8 | 341.9 | 322.9 | 295.4 |
| 30,0° | 306.3 | 317.2 | 320.9 | 328.4 | 335.0 | 293.1 | 352.0 | 353.0 | 362.5 | 340.1 | 323.9 | 291.5 | 265.8 |
| 32,5° | 270.3 | 335.8 | 358.5 | 340.1 | 308.1 | 245.8 | 277.2 | 291.7 | 296.4 | 285.9 | 289.1 | 280.4 | 268.1 |
| 35,0° | 166.5 | 180.5 | 179.7 | 248.8 | 265.2 | 184.1 | 252.1 | 245.0 | 259.4 | 262.2 | 268.3 | 266.0 | 253.3 |
| 37,5° | 238.5 | 193.4 | 208.4 | 188.6 | 227.8 | 251.3 | 313.2 | 319.4 | 296.4 | 266.6 | 228.8 | 216.3 | 209.6 |
| 40,0° | 336.2 | 344.9 | 363.1 | 318.8 | 303.3 | 271.9 | 268.7 | 287.7 | 283.8 | 284.0 | 229.2 | 185.3 | 168.5 |
| 42,5° | 398.1 | 408.7 | 421.4 | 398.4 | 371.4 | 280.8 | 282.2 | 251.3 | 233.7 | 227.8 | 219.9 | 192.2 | 168.5 |
| 45,0° | 414.5 | 430.1 | 440.0 | 424.5 | 368.0 | 319.0 | 343.7 | 301.0 | 261.6 | 218.7 | 193.2 | 181.1 | 165.5 |
| 47,5° | 421.8 | 438.6 | 458.0 | 448.9 | 328.2 | 369.0 | 389.5 | 335.2 | 289.9 | 231.0 | 180.7 | 164.9 | 137.8 |
| 50,0° | 452.8 | 473.2 | 488.8 | 486.0 | 327.3 | 410.5 | 408.7 | 349.8 | 294.6 | 217.5 | 164.3 | 182.3 | 139.6 |
| 52,5° | 478.3 | 497.9 | 491.6 | 481.7 | 366.4 | 453.8 | 429.3 | 367.6 | 303.5 | 217.3 | 160.2 | 151.9 | 115.1 |
| 55,0° | 500.3 | 523.4 | 528.0 | 459.5 | 404.6 | 485.3 | 437.6 | 373.9 | 308.7 | 219.9 | 160.8 | 153.6 | 102.0 |
| 57,5° | 509.6 | 569.7 | 605.1 | 454.0 | 452.8 | 502.9 | 429.3 | 379.7 | 313.4 | 214.5 | 163.7 | 140.2 | 91.0 |
| 60,0° | 507.0 | 615.0 | 701.0 | 479.9 | 558.2 | 549.7 | 437.4 | 389.5 | 324.1 | 220.1 | 169.1 | 128.3 | 82.3 |
| 62,5° | 493.0 | 625.1 | 715.2 | 519.7 | 687.7 | 628.0 | 480.1 | 404.6 | 332.2 | 231.0 | 167.7 | 123.2 | 77.9 |
| 65,0° | 481.3 | 627.2 | 654.1 | 540.0 | 742.5 | 642.5 | 485.5 | 407.7 | 334.6 | 234.1 | 160.0 | 117.5 | 69.4 |
| 67,5° | 483.3 | 627.8 | 668.8 | 611.0 | 684.0 | 561.2 | 435.2 | 369.2 | 303.7 | 224.0 | 147.1 | 109.5 | 53.2 |
| 70,0° | 594.8 | 709.9 | 712.5 | 741.1 | 554.3 | 442.3 | 341.1 | 296.4 | 255.1 | 210.4 | 136.0 | 82.5 | 43.5 |
| 72,5° | 657.3 | 822.2 | 700.4 | 632.0 | 491.0 | 348.2 | 238.3 | 196.4 | 197.1 | 183.1 | 121.0 | 66.4 | 33.6 |
| 75,0° | 535.3 | 568.3 | 568.1 | 593.2 | 323.3 | 230.6 | 152.5 | 141.4 | 132.1 | 131.3 | 85.2 | 57.7 | 25.3 |
| 77,5° | 531.5 | 436.8 | 402.8 | 388.0 | 234.1 | 167.5 | 126.9 | 122.0 | 94.7 | 70.6 | 42.9 | 30.8 | 19.6 |
| 80,0° | 408.1 | 286.7 | 136.4 | 194.0 | 139.2 | 110.7 | 88.8 | 85.8 | 55.4 | 45.7 | 32.0 | 23.7 | 17.4 |
| 82,5° | 157.6 | 131.7 | 86.6 | 120.8 | 100.3 | 75.3 | 70.0 | 57.7 | 28.3 | 22.3 | 19.4 | 18.2 | 15.4 |
| 85,0° | 40.7 | 47.3 | 67.6 | 109.2 | 79.3 | 56.4 | 47.7 | 34.6 | 21.8 | 17.8 | 15.0 | 14.8 | 13.6 |
| 87,5° | 21.0 | 31.2 | 49.6 | 65.5 | 45.3 | 33.6 | 24.1 | 22.5 | 16.2 | 15.0 | 14.0 | 13.4 | 12.3 |
| 90,0° | 13.6 | 14.4 | 14.8 | 15.6 | 15.2 | 15.2 | 14.8 | 14.4 | 14.0 | 13.8 | 13.4 | 12.9 | 12.1 |
| 92,5° | 13.4 | 14.0 | 14.4 | 14.8 | 14.6 | 14.6 | 14.2 | 14.0 | 13.4 | 13.4 | 13.1 | 12.9 | 12.3 |
| 95,0° | 12.7 | 13.1 | 13.4 | 14.0 | 13.8 | 13.8 | 13.8 | 13.4 | 13.1 | 12.9 | 12.7 | 12.7 | 12.3 |
| 97,5° | 11.9 | 12.3 | 12.5 | 12.9 | 12.9 | 13.2 | 13.1 | 13.1 | 12.7 | 12.5 | 12.3 | 11.9 | 11.9 |
| 100,0° | 10.7 | 10.9 | 11.3 | 11.7 | 11.7 | 12.1 | 12.3 | 12.1 | 11.7 | 11.7 | 11.3 | 11.5 | 11.1 |
| 102,5° | 9.7 | 10.1 | 10.3 | 10.7 | 10.9 | 11.3 | 11.3 | 11.3 | 10.9 | 10.9 | 10.9 | 10.7 | 10.5 |
| 105,0° | 9.3 | 9.3 | 9.5 | 9.9 | 10.1 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.1 | 10.3 | 10.1 |
| 107,5° | 8.5 | 8.7 | 9.1 | 9.3 | 9.7 | 10.1 | 10.1 | 10.1 | 9.7 | 9.7 | 9.7 | 9.7 | 9.9 |
| 110,0° | 8.1 | 8.3 | 8.5 | 8.9 | 9.3 | 9.7 | 9.7 | 9.7 | 9.3 | 9.3 | 9.3 | 9.5 | 9.7 |
| 112,5° | 8.1 | 7.9 | 8.5 | 8.5 | 8.9 | 9.3 | 9.3 | 9.3 | 9.1 | 9.1 | 9.3 | 9.3 | 9.3 |

Photometric test report

| | | |
|---|---|-------------------------------------|
| Family LANTERN CLASSIC LED | Order number: 5XA5245LF14HP EAN: 4058352834619 | LP number 58717_19 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | siteco |

| C-planes | 65° 115° | 70° 110° | 75° 105° | 80° 100° | 85° 95° | 90° | 185° 355° | 190° 350° | 195° 345° | 200° 340° | 205° 335° | 210° 330° | 215° 325° |
|----------|------------------------------|-------------|-------------|-------------|------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| γ | Luminous intensity in cd/klm | | | | | | | | | | | | |
| 0,0° | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| 2,5° | 31.0 | 32.0 | 31.2 | 33.4 | 32.4 | 34.4 | 31.0 | 30.7 | 30.8 | 29.9 | 30.7 | 29.3 | 29.9 |
| 5,0° | 36.0 | 37.2 | 37.6 | 36.6 | 36.8 | 35.2 | 35.8 | 35.8 | 38.2 | 36.8 | 39.9 | 37.8 | 40.1 |
| 7,5° | 49.2 | 50.2 | 44.1 | 44.7 | 38.0 | 41.9 | 72.2 | 65.1 | 66.2 | 62.5 | 63.9 | 57.3 | 66.4 |
| 10,0° | 82.3 | 82.7 | 77.7 | 84.8 | 80.1 | 89.4 | 108.2 | 106.0 | 90.8 | 92.5 | 95.5 | 88.8 | 97.7 |
| 12,5° | 114.5 | 106.6 | 100.5 | 116.5 | 126.6 | 140.8 | 138.8 | 125.2 | 131.3 | 116.7 | 126.0 | 108.4 | 111.9 |
| 15,0° | 185.3 | 157.6 | 142.4 | 173.8 | 176.8 | 189.8 | 201.7 | 167.3 | 171.6 | 155.6 | 138.4 | 138.8 | 133.1 |
| 17,5° | 254.7 | 229.4 | 210.6 | 242.4 | 247.8 | 266.2 | 248.4 | 193.2 | 204.9 | 186.5 | 181.1 | 166.3 | 145.7 |
| 20,0° | 321.5 | 265.4 | 240.1 | 259.4 | 283.8 | 315.2 | 267.9 | 202.3 | 216.7 | 197.3 | 176.6 | 162.3 | 154.2 |
| 22,5° | 349.6 | 298.2 | 287.3 | 316.2 | 353.6 | 383.2 | 315.0 | 223.6 | 238.9 | 201.1 | 177.4 | 169.1 | 138.8 |
| 25,0° | 339.7 | 317.0 | 324.5 | 351.2 | 416.6 | 433.1 | 303.7 | 210.4 | 247.2 | 211.8 | 153.1 | 135.1 | 113.1 |
| 27,5° | 308.3 | 293.4 | 322.9 | 332.0 | 391.5 | 396.7 | 265.2 | 177.8 | 197.7 | 160.6 | 125.4 | 110.5 | 104.8 |
| 30,0° | 267.7 | 263.2 | 292.5 | 276.6 | 335.2 | 331.0 | 220.5 | 107.2 | 147.7 | 130.9 | 123.4 | 128.3 | 137.2 |
| 32,5° | 263.4 | 244.2 | 264.6 | 225.6 | 268.1 | 268.9 | 208.0 | 106.6 | 185.1 | 176.6 | 177.8 | 157.6 | 120.0 |
| 35,0° | 246.0 | 211.0 | 248.4 | 238.9 | 284.9 | 294.2 | 192.6 | 193.8 | 212.6 | 183.7 | 167.5 | 139.6 | 83.1 |
| 37,5° | 216.7 | 200.7 | 253.5 | 246.4 | 294.8 | 297.0 | 250.1 | 207.6 | 177.6 | 153.1 | 126.8 | 95.3 | 63.9 |
| 40,0° | 193.2 | 188.8 | 244.4 | 223.4 | 263.8 | 257.5 | 306.7 | 218.3 | 198.7 | 178.0 | 128.9 | 88.8 | 72.8 |
| 42,5° | 158.2 | 147.1 | 196.0 | 184.3 | 213.4 | 202.1 | 345.1 | 247.2 | 235.1 | 197.7 | 121.2 | 84.2 | 80.1 |
| 45,0° | 157.8 | 139.4 | 159.4 | 140.4 | 144.9 | 135.7 | 331.8 | 267.1 | 254.5 | 193.4 | 98.7 | 82.1 | 82.1 |
| 47,5° | 134.7 | 125.6 | 128.9 | 100.8 | 104.6 | 97.7 | 319.4 | 271.3 | 269.1 | 174.6 | 86.4 | 81.5 | 80.5 |
| 50,0° | 116.5 | 109.5 | 110.5 | 86.2 | 87.0 | 81.1 | 322.9 | 297.2 | 269.5 | 143.0 | 83.1 | 80.3 | 77.3 |
| 52,5° | 121.6 | 105.4 | 104.4 | 81.7 | 76.7 | 71.6 | 327.3 | 314.0 | 252.1 | 116.3 | 85.6 | 79.3 | 74.0 |
| 55,0° | 106.2 | 87.4 | 81.3 | 67.8 | 69.4 | 64.5 | 325.3 | 319.9 | 221.5 | 99.1 | 84.8 | 76.1 | 70.4 |
| 57,5° | 97.5 | 70.6 | 67.6 | 56.9 | 54.6 | 51.0 | 330.0 | 324.1 | 184.5 | 88.2 | 80.5 | 71.6 | 69.2 |
| 60,0° | 85.6 | 58.1 | 55.4 | 48.8 | 49.2 | 48.2 | 316.0 | 304.3 | 149.7 | 83.1 | 75.5 | 70.6 | 68.6 |
| 62,5° | 76.9 | 52.6 | 44.3 | 44.1 | 45.5 | 45.1 | 264.2 | 252.9 | 118.8 | 77.1 | 70.8 | 70.2 | 68.0 |
| 65,0° | 70.8 | 48.2 | 39.2 | 39.9 | 41.3 | 41.5 | 219.3 | 204.7 | 113.9 | 84.0 | 64.3 | 65.8 | 63.1 |
| 67,5° | 47.7 | 37.0 | 34.6 | 36.6 | 38.4 | 38.8 | 249.7 | 187.9 | 132.9 | 79.7 | 57.5 | 59.7 | 56.4 |
| 70,0° | 33.8 | 32.2 | 31.2 | 32.8 | 35.0 | 34.8 | 424.7 | 267.3 | 168.1 | 80.5 | 57.3 | 52.6 | 49.6 |
| 72,5° | 28.1 | 26.7 | 27.5 | 29.3 | 30.8 | 30.8 | 478.7 | 286.7 | 162.9 | 53.2 | 46.5 | 49.2 | 44.1 |
| 75,0° | 21.8 | 22.9 | 24.9 | 25.3 | 26.3 | 25.3 | 418.4 | 310.6 | 151.1 | 47.1 | 41.7 | 42.3 | 40.7 |
| 77,5° | 19.2 | 20.0 | 21.8 | 21.0 | 20.8 | 19.8 | 269.3 | 368.2 | 173.8 | 38.8 | 38.6 | 38.4 | 37.2 |
| 80,0° | 17.2 | 17.4 | 18.4 | 17.6 | 17.6 | 17.0 | 141.8 | 293.2 | 201.7 | 39.5 | 34.6 | 35.4 | 33.4 |
| 82,5° | 15.6 | 15.8 | 16.2 | 15.6 | 15.8 | 15.8 | 106.6 | 122.2 | 90.8 | 29.9 | 29.9 | 31.8 | 29.9 |
| 85,0° | 14.2 | 14.0 | 14.2 | 14.0 | 14.4 | 14.6 | 54.4 | 52.4 | 45.9 | 35.4 | 26.7 | 28.9 | 27.3 |
| 87,5° | 12.9 | 12.7 | 13.4 | 13.1 | 13.4 | 13.1 | 18.0 | 19.0 | 18.6 | 22.5 | 24.3 | 26.5 | 25.1 |
| 90,0° | 12.1 | 12.3 | 12.7 | 12.7 | 12.9 | 13.1 | 14.0 | 13.8 | 13.4 | 13.2 | 12.9 | 12.9 | 12.5 |
| 92,5° | 12.3 | 12.3 | 12.7 | 12.7 | 12.9 | 13.1 | 13.4 | 13.6 | 13.2 | 13.1 | 12.9 | 12.9 | 12.5 |
| 95,0° | 12.3 | 12.3 | 12.5 | 12.7 | 12.7 | 13.1 | 12.9 | 12.9 | 12.5 | 12.5 | 12.5 | 12.5 | 12.3 |
| 97,5° | 11.9 | 11.9 | 11.9 | 12.1 | 12.7 | 12.7 | 11.9 | 12.1 | 11.7 | 11.7 | 11.7 | 12.1 | 11.7 |
| 100,0° | 11.3 | 11.3 | 11.7 | 11.5 | 12.1 | 12.3 | 10.7 | 10.9 | 10.5 | 10.5 | 10.5 | 10.9 | 10.7 |
| 102,5° | 10.9 | 10.9 | 11.1 | 11.1 | 11.1 | 11.5 | 9.9 | 9.9 | 9.7 | 9.9 | 9.9 | 10.1 | 9.7 |
| 105,0° | 10.1 | 10.1 | 10.5 | 10.3 | 10.7 | 10.7 | 9.1 | 9.1 | 9.1 | 8.9 | 9.1 | 9.3 | 9.3 |
| 107,5° | 9.7 | 9.9 | 9.9 | 9.9 | 9.9 | 10.3 | 8.3 | 8.5 | 8.3 | 8.3 | 8.3 | 8.5 | 8.5 |
| 110,0° | 9.3 | 9.5 | 9.7 | 9.5 | 9.7 | 9.9 | 7.9 | 8.1 | 7.9 | 7.9 | 7.9 | 8.1 | 7.7 |
| 112,5° | 9.1 | 9.3 | 9.5 | 9.3 | 9.5 | 9.9 | 7.5 | 7.7 | 7.3 | 7.3 | 7.5 | 7.5 | 7.3 |

Photometric test report

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

| C-planes | 220° 320° | 225° 315° | 230° 310° | 235° 305° | 240° 300° | 245° 295° | 250° 290° | 255° 285° | 260° 280° | 265° 275° | 270° | Phi-zone | Total Phi-zone |
|----------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|-------------------------|-------------------|
| γ | Luminous intensity in cd/klm | | | | | | | | | | | Luminous flux in lm/klm | |
| 0,0° | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 0.0 | 0.0 |
| 2,5° | 28.5 | 29.1 | 27.9 | 28.3 | 27.3 | 27.9 | 26.9 | 27.5 | 26.9 | 27.3 | 26.5 | 0.4 | 0.4 |
| 5,0° | 37.6 | 39.7 | 36.6 | 38.4 | 37.0 | 39.7 | 37.6 | 39.7 | 36.2 | 38.0 | 35.6 | 0.9 | 1.3 |
| 7,5° | 62.5 | 64.7 | 55.2 | 59.7 | 56.0 | 55.8 | 53.6 | 54.6 | 55.4 | 57.9 | 58.9 | 2.1 | 3.3 |
| 10,0° | 77.3 | 77.7 | 77.9 | 77.9 | 64.9 | 55.6 | 55.4 | 65.5 | 64.7 | 64.5 | 59.7 | 4.1 | 7.5 |
| 12,5° | 105.0 | 100.1 | 107.0 | 104.8 | 83.2 | 65.5 | 55.8 | 63.3 | 67.8 | 71.6 | 72.0 | 7.3 | 14.7 |
| 15,0° | 120.8 | 109.2 | 126.2 | 117.7 | 109.9 | 85.8 | 78.3 | 67.6 | 74.9 | 78.1 | 78.7 | 11.7 | 26.4 |
| 17,5° | 121.6 | 111.1 | 131.1 | 121.6 | 111.1 | 88.0 | 76.7 | 66.6 | 70.4 | 74.4 | 75.1 | 16.8 | 43.3 |
| 20,0° | 120.6 | 102.8 | 121.0 | 104.6 | 95.3 | 77.7 | 74.7 | 61.9 | 61.7 | 73.6 | 74.4 | 21.2 | 64.5 |
| 22,5° | 108.0 | 97.3 | 95.9 | 89.0 | 81.9 | 73.6 | 71.0 | 57.5 | 56.2 | 68.6 | 69.6 | 25.7 | 90.2 |
| 25,0° | 105.6 | 93.7 | 83.2 | 74.5 | 71.2 | 66.2 | 67.4 | 58.9 | 54.4 | 62.1 | 62.1 | 28.4 | 118.6 |
| 27,5° | 96.3 | 81.3 | 78.1 | 66.6 | 61.5 | 60.9 | 61.7 | 56.4 | 49.8 | 56.6 | 57.3 | 28.1 | 146.7 |
| 30,0° | 107.6 | 74.7 | 68.8 | 62.9 | 59.5 | 60.1 | 59.7 | 53.8 | 44.7 | 50.8 | 51.4 | 28.4 | 175.1 |
| 32,5° | 95.5 | 76.9 | 73.8 | 69.8 | 66.0 | 60.7 | 56.4 | 52.6 | 43.3 | 51.4 | 50.6 | 28.8 | 204.0 |
| 35,0° | 72.0 | 71.6 | 72.0 | 70.2 | 66.6 | 60.3 | 55.2 | 54.0 | 45.5 | 52.0 | 51.4 | 27.2 | 231.1 |
| 37,5° | 57.1 | 57.3 | 63.3 | 63.9 | 65.1 | 59.1 | 55.4 | 53.6 | 46.9 | 50.8 | 51.8 | 28.7 | 259.8 |
| 40,0° | 63.3 | 57.9 | 52.2 | 50.0 | 53.2 | 50.8 | 52.0 | 51.2 | 46.1 | 48.6 | 50.6 | 32.5 | 292.3 |
| 42,5° | 75.9 | 71.0 | 59.5 | 53.2 | 47.5 | 39.7 | 41.7 | 42.7 | 41.9 | 42.1 | 44.3 | 34.5 | 326.8 |
| 45,0° | 79.3 | 75.3 | 69.8 | 61.5 | 50.4 | 38.8 | 38.4 | 36.8 | 35.2 | 35.2 | 37.2 | 36.2 | 363.0 |
| 47,5° | 78.7 | 75.1 | 70.2 | 62.9 | 52.8 | 40.5 | 39.9 | 36.2 | 33.2 | 32.4 | 32.0 | 37.4 | 400.3 |
| 50,0° | 77.3 | 74.5 | 70.4 | 63.3 | 52.6 | 39.2 | 37.6 | 34.4 | 33.0 | 32.4 | 32.0 | 39.4 | 439.7 |
| 52,5° | 73.6 | 71.8 | 67.8 | 60.3 | 51.4 | 38.8 | 36.4 | 33.0 | 31.8 | 31.0 | 31.6 | 41.1 | 480.8 |
| 55,0° | 69.2 | 67.0 | 64.1 | 56.8 | 48.2 | 37.8 | 35.8 | 31.6 | 29.9 | 29.3 | 29.7 | 42.3 | 523.1 |
| 57,5° | 65.8 | 62.9 | 60.3 | 53.0 | 44.5 | 35.4 | 33.4 | 30.1 | 28.9 | 28.5 | 28.1 | 43.7 | 566.8 |
| 60,0° | 63.1 | 59.1 | 56.8 | 49.0 | 40.7 | 32.8 | 30.8 | 28.7 | 27.9 | 27.1 | 26.9 | 46.0 | 612.8 |
| 62,5° | 61.1 | 55.2 | 52.2 | 44.9 | 37.6 | 31.2 | 29.1 | 27.5 | 26.9 | 25.9 | 25.7 | 47.9 | 660.8 |
| 65,0° | 58.3 | 51.6 | 47.5 | 40.3 | 34.0 | 29.5 | 27.1 | 25.7 | 25.7 | 24.3 | 24.1 | 47.9 | 708.7 |
| 67,5° | 53.4 | 47.1 | 42.5 | 36.2 | 30.5 | 27.5 | 25.5 | 24.3 | 24.3 | 23.1 | 22.9 | 46.9 | 755.6 |
| 70,0° | 48.4 | 43.1 | 38.8 | 32.4 | 27.3 | 25.3 | 23.7 | 22.7 | 23.1 | 21.9 | 21.8 | 48.1 | 803.7 |
| 72,5° | 41.9 | 38.8 | 34.8 | 29.3 | 24.9 | 23.5 | 22.3 | 21.6 | 21.8 | 20.6 | 20.2 | 45.4 | 849.1 |
| 75,0° | 38.4 | 35.0 | 31.4 | 27.1 | 22.5 | 21.8 | 20.8 | 20.2 | 20.2 | 19.0 | 18.2 | 36.7 | 885.9 |
| 77,5° | 34.8 | 31.6 | 28.9 | 25.3 | 21.2 | 20.2 | 19.4 | 19.2 | 18.6 | 17.2 | 16.6 | 29.7 | 915.5 |
| 80,0° | 31.6 | 28.7 | 26.1 | 23.1 | 19.4 | 18.4 | 17.8 | 17.2 | 16.6 | 15.2 | 14.6 | 20.4 | 935.9 |
| 82,5° | 27.7 | 24.3 | 21.9 | 19.8 | 17.0 | 16.4 | 16.4 | 15.4 | 14.8 | 13.8 | 13.4 | 12.3 | 948.2 |
| 85,0° | 24.3 | 20.4 | 18.6 | 16.8 | 14.8 | 15.2 | 15.0 | 14.2 | 13.6 | 12.9 | 12.3 | 8.2 | 956.4 |
| 87,5° | 20.8 | 17.2 | 15.6 | 14.4 | 12.7 | 12.7 | 13.1 | 12.9 | 12.7 | 11.9 | 11.5 | 5.6 | 962.1 |
| 90,0° | 12.3 | 12.1 | 11.5 | 10.9 | 9.9 | 10.3 | 10.7 | 10.9 | 10.7 | 10.7 | 9.9 | 3.5 | 965.6 |
| 92,5° | 12.5 | 12.1 | 11.7 | 11.3 | 10.3 | 10.7 | 10.7 | 11.1 | 11.1 | 10.9 | 10.3 | 3.5 | 969.1 |
| 95,0° | 12.1 | 11.7 | 11.3 | 10.9 | 10.1 | 10.5 | 10.5 | 10.5 | 10.7 | 10.7 | 9.9 | 3.4 | 972.4 |
| 97,5° | 11.3 | 10.9 | 10.9 | 10.3 | 9.7 | 9.9 | 10.3 | 10.1 | 10.1 | 10.1 | 9.9 | 3.2 | 975.6 |
| 100,0° | 10.5 | 10.3 | 10.1 | 9.5 | 9.3 | 9.1 | 9.3 | 9.3 | 9.3 | 9.3 | 9.1 | 2.9 | 978.5 |
| 102,5° | 9.7 | 9.3 | 9.3 | 8.7 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.3 | 8.3 | 2.7 | 981.2 |
| 105,0° | 8.9 | 8.7 | 8.7 | 7.9 | 7.9 | 7.7 | 7.7 | 7.7 | 7.7 | 7.5 | 7.1 | 2.5 | 983.7 |
| 107,5° | 8.1 | 7.7 | 7.9 | 7.1 | 7.1 | 6.9 | 6.9 | 6.7 | 6.7 | 6.7 | 6.7 | 2.3 | 985.9 |
| 110,0° | 7.5 | 7.1 | 7.1 | 6.7 | 6.7 | 6.5 | 6.3 | 6.1 | 6.3 | 6.1 | 6.3 | 2.1 | 988.1 |
| 112,5° | 6.9 | 6.5 | 6.7 | 6.5 | 6.3 | 6.3 | 6.3 | 5.9 | 6.1 | 5.9 | 5.9 | 2.0 | 990.1 |

Photometric test report

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| Family LANTERN CLASSIC LED | Order number: 5XA5245LF14HP EAN: 4058352834619 | LP number 58717_19 |
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|---|-----------------------------------|---------------|
| Table of values for luminous intensities | Maximum luminous intensity | sITeco |
|---|-----------------------------------|---------------|

| C-planes | 0° 180° | 5° 175° | 10° 170° | 15° 165° | 20° 160° | 25° 155° | 30° 150° | 35° 145° | 40° 140° | 45° 135° | 50° 130° | 55° 125° | 60° 120° |
|---------------|-------------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ | Luminous intensity in cd/klm | | | | | | | | | | | | |
| 115,0° | 7.7 | 7.7 | 8.1 | 8.3 | 8.5 | 8.9 | 8.9 | 8.9 | 8.7 | 8.9 | 8.9 | 9.3 | 9.1 |
| 117,5° | 7.1 | 7.3 | 7.5 | 7.7 | 8.1 | 8.3 | 8.5 | 8.3 | 8.3 | 8.5 | 8.7 | 8.7 | 8.7 |
| 120,0° | 6.7 | 6.9 | 7.3 | 7.5 | 7.7 | 8.1 | 8.3 | 8.1 | 7.9 | 8.3 | 8.7 | 8.7 | 8.7 |
| 122,5° | 5.3 | 5.9 | 5.7 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 7.3 | 7.3 | 7.7 | 7.3 |
| 125,0° | 3.8 | 4.0 | 4.0 | 4.4 | 4.4 | 4.7 | 4.4 | 4.7 | 4.7 | 5.1 | 5.1 | 5.5 | 5.3 |
| 127,5° | 2.4 | 2.4 | 2.6 | 2.6 | 2.8 | 2.8 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 4.0 | 4.0 |
| 130,0° | 2.2 | 2.0 | 2.2 | 2.2 | 2.4 | 2.4 | 2.4 | 2.6 | 2.6 | 3.0 | 3.2 | 3.2 | 3.4 |
| 132,5° | 1.6 | 1.6 | 1.8 | 1.8 | 1.8 | 2.0 | 2.0 | 2.2 | 2.2 | 2.6 | 2.6 | 2.8 | 2.8 |
| 135,0° | 1.0 | 1.2 | 1.2 | 1.4 | 1.4 | 1.6 | 1.6 | 1.8 | 1.8 | 2.0 | 2.2 | 2.2 | 2.2 |
| 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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|---|---|-------------------------------------|
| Family LANTERN CLASSIC LED | Order number: 5XA5245LF14HP EAN: 4058352834619 | LP number 58717_19 |
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| C-planes | 65° 115° | 70° 110° | 75° 105° | 80° 100° | 85° 95° | 90° | 185° 355° | 190° 350° | 195° 345° | 200° 340° | 205° 335° | 210° 330° | 215° 325° |
|----------|------------------------------|-------------|-------------|-------------|------------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| γ | Luminous intensity in cd/klm | | | | | | | | | | | | |
| 115,0° | 9.3 | 9.1 | 9.1 | 8.9 | 9.1 | 9.5 | 7.5 | 7.3 | 6.9 | 6.9 | 6.7 | 6.9 | 6.9 |
| 117,5° | 8.9 | 8.9 | 8.7 | 8.5 | 8.7 | 9.1 | 6.7 | 6.7 | 6.5 | 6.3 | 6.3 | 6.5 | 6.1 |
| 120,0° | 8.7 | 8.5 | 8.5 | 8.1 | 8.3 | 8.7 | 6.7 | 6.3 | 6.3 | 5.9 | 5.9 | 6.3 | 6.1 |
| 122,5° | 7.7 | 7.1 | 7.1 | 6.9 | 7.1 | 7.1 | 4.9 | 5.3 | 4.9 | 4.9 | 4.7 | 4.9 | 4.7 |
| 125,0° | 5.3 | 4.9 | 4.9 | 4.5 | 4.7 | 4.4 | 3.2 | 3.4 | 3.2 | 3.4 | 3.0 | 3.4 | 3.0 |
| 127,5° | 3.8 | 3.4 | 3.2 | 3.0 | 2.8 | 2.8 | 1.8 | 2.4 | 2.2 | 2.2 | 2.0 | 2.0 | 2.0 |
| 130,0° | 3.4 | 3.0 | 2.8 | 2.6 | 2.4 | 2.4 | 2.0 | 1.8 | 1.8 | 1.8 | 1.6 | 1.6 | 1.6 |
| 132,5° | 2.6 | 2.4 | 2.4 | 1.8 | 1.8 | 1.6 | 1.4 | 1.6 | 1.2 | 1.4 | 1.2 | 1.4 | 1.2 |
| 135,0° | 2.0 | 1.8 | 1.6 | 1.4 | 1.4 | 1.2 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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° 320° | 225° 315° | 230° 310° | 235° 305° | 240° 300° | 245° 295° | 250° 290° | 255° 285° | 260° 280° | 265° 275° | 270° | Phi-zone | Total Phi-zone |
|----------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|-------------------------|-------------------|
| γ | Luminous intensity in cd/klm | | | | | | | | | | | Luminous flux in lm/klm | |
| 115,0° | 6.5 | 6.1 | 6.3 | 6.1 | 6.1 | 5.9 | 6.1 | 5.9 | 5.7 | 5.5 | 5.5 | 1.9 | 992.0 |
| 117,5° | 6.1 | 5.7 | 5.9 | 5.7 | 5.7 | 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 5.1 | 1.7 | 993.7 |
| 120,0° | 5.7 | 5.3 | 5.5 | 5.7 | 5.7 | 5.7 | 5.7 | 5.3 | 5.3 | 4.9 | 5.1 | 1.7 | 995.4 |
| 122,5° | 4.5 | 4.2 | 4.5 | 4.5 | 4.7 | 4.7 | 4.7 | 4.5 | 4.7 | 4.2 | 4.4 | 1.3 | 996.7 |
| 125,0° | 3.0 | 2.6 | 3.0 | 3.0 | 3.4 | 3.4 | 3.6 | 3.6 | 3.6 | 3.2 | 3.2 | 0.9 | 997.6 |
| 127,5° | 2.0 | 2.0 | 1.8 | 2.2 | 2.2 | 2.8 | 2.8 | 3.0 | 2.6 | 2.8 | 2.4 | 0.6 | 998.2 |
| 130,0° | 1.6 | 1.6 | 1.8 | 1.8 | 2.2 | 2.4 | 2.8 | 2.8 | 2.6 | 2.4 | 2.4 | 0.5 | 998.7 |
| 132,5° | 1.2 | 1.2 | 1.2 | 1.4 | 1.6 | 2.0 | 2.2 | 2.4 | 2.6 | 2.4 | 2.4 | 0.4 | 999.0 |
| 135,0° | 0.8 | 0.8 | 0.8 | 1.0 | 1.4 | 1.6 | 2.0 | 2.2 | 2.0 | 2.2 | 2.4 | 0.9 | 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

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| Family LANTERN CLASSIC LED | Order number: 5XA5245LF14HP EAN: 4058352834619 | LP number 58717_19 |
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|-----------------------------|---------------------------------|---------------|
| Dimming levels table | environmental temperature: 25°C | siteco |
|-----------------------------|---------------------------------|---------------|

| 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 | 4400 | 33.6 | 35.9 | 34.8 |
| 95 | 241 | 252 | 4175 | 31.4 | 33.5 | 32.4 |
| 90 | 229 | 250 | 3967 | 29.4 | 31.4 | 30.4 |
| 85 | 216 | 248 | 3742 | 27.4 | 29.2 | 28.3 |
| 80 | 203 | 246 | 3517 | 25.5 | 27.1 | 26.3 |
| 75 | 190 | 243 | 3291 | 23.6 | 25.2 | 24.4 |
| 70 | 178 | 241 | 3083 | 21.9 | 23.3 | 22.6 |
| 65 | 165 | 238 | 2858 | 20.2 | 21.5 | 20.8 |
| 60 | 152 | 235 | 2633 | 18.5 | 19.6 | 19.0 |
| 55 | 140 | 232 | 2425 | 16.9 | 18.0 | 17.4 |
| 50 | 127 | 229 | 2200 | 15.3 | 16.2 | 15.8 |
| 45 | 114 | 225 | 1975 | 13.7 | 14.5 | 14.1 |
| 40 | 102 | 221 | 1767 | 12.3 | 13.0 | 12.6 |
| 35 | 89 | 216 | 1542 | 10.8 | 11.4 | 11.1 |
| 30 | 76 | 210 | 1317 | 9.3 | 9.8 | 9.6 |
| 25 | 63 | 203 | 1091 | 7.8 | 8.2 | 8.0 |
| 20 | 51 | 195 | 883 | 6.6 | 6.9 | 6.8 |
| 15 | 38 | 184 | 658 | 5.2 | 5.5 | 5.4 |
| 11 | 28 | 173 | 485 | 4.1 | 4.4 | 4.2 |