

Lichttechnischer Prüfbefund

Familie
LATERNE LED

Bestell-Nr.: **5XA5255EF14H**
EAN: **4058352635933**

LP-Nummer
57121_31



| | |
|------------------------|--|
| Ausführung | Mastaufsatz- oder Montage am Wandausleger |
| Optik | direkt, symmetrisch breit strahlend S120010 |
| Abdeckung | Abdeckung klar, PMMA |
| Bestückung | LED 3000 K CRI ≥ 70 |
| Betriebsgerät | EVG SITECO iQ |
| Bemessungswerte | Nettolichtstrom = 1540 lm Systemleistung = 10.5 W Lichtausbeute = 146.7 lm/W |

Seriendokumentation
08.07.2022

siteco

Lichtstärke in cd/klm

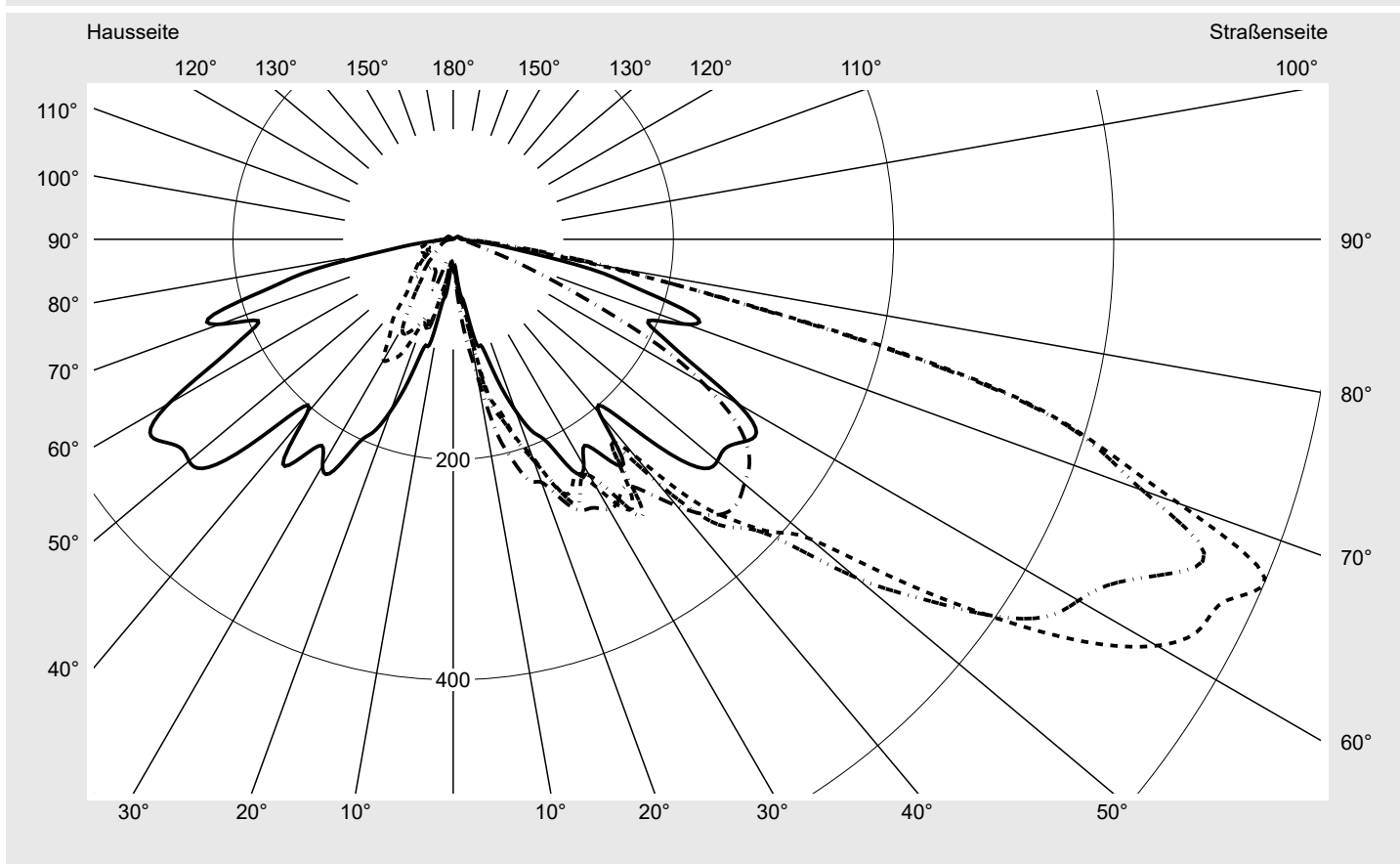
C180-0

C205-25

C210-30

C270-90

Imax: **797 cd/klm**



Leuchtenbetriebswirkungsgrade

| | |
|----------------|--------|
| Eta | 100.0% |
| Eta 0° - 90° | 97.8% |
| Eta 90° - 180° | 2.2% |

Lichtstärkeklasse nach EN13201-2

| | |
|-----------|-------|
| Klasse: | G2 |
| Imax 70° | 701.3 |
| Imax 80° | 144.7 |
| Imax 90° | 9.2 |
| Imax >90° | 8.3 |
| Imax >95° | 7.6 |

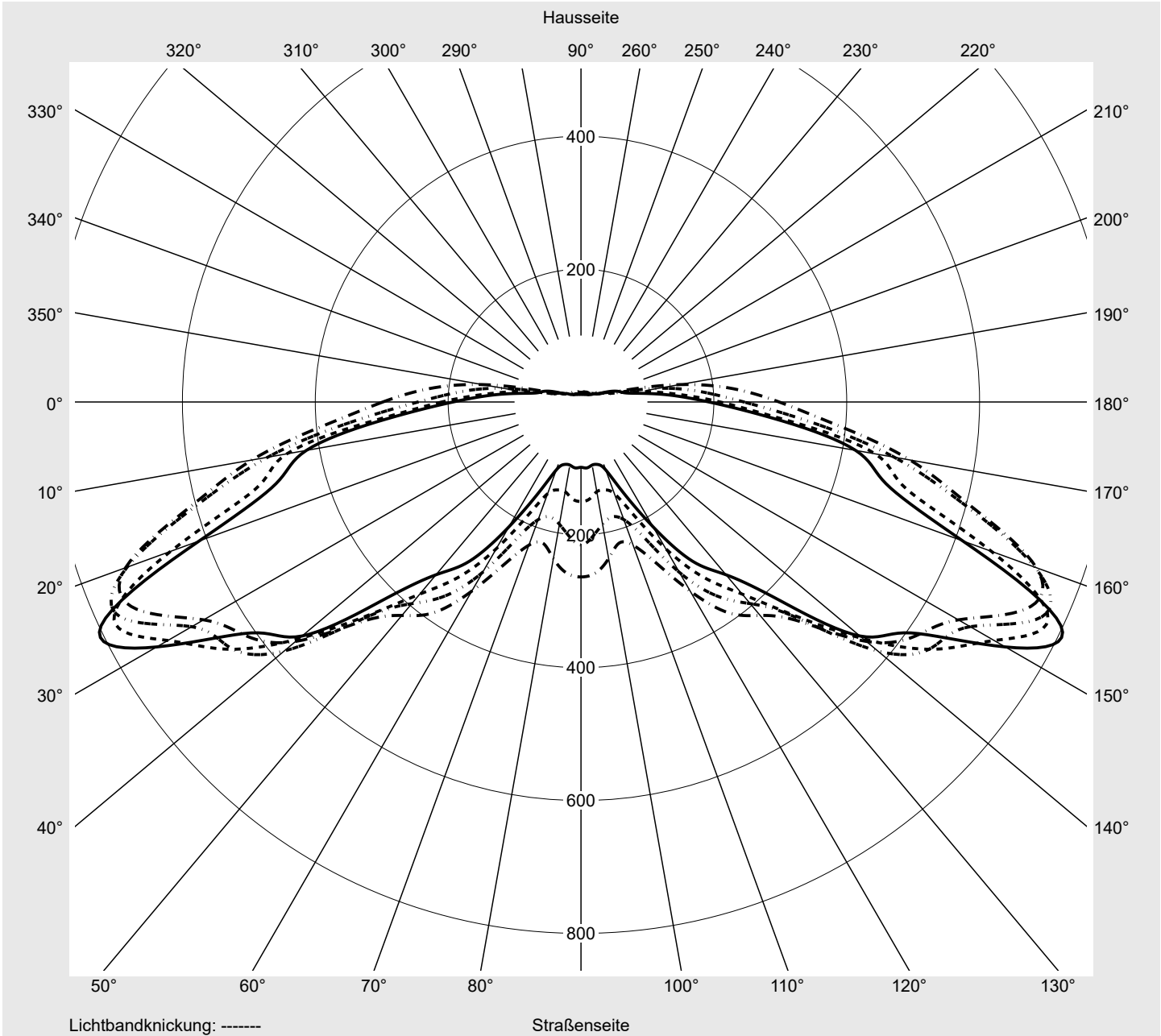
Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

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| Familie LATERNE LED | Bestell-Nr.: 5XA5255EF14H EAN: 4058352635933 | LP-Nummer 57121_31 |
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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



Lichttechnischer Prüfbefund

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| Familie LATERNE LED | Bestell-Nr.: 5XA5255EF14H EAN: 4058352635933 | LP-Nummer 57121_31 |
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| Wertetabelle Lichtstärkemessung | Maximale Lichtstärke | siteco |
|--|-----------------------------|---------------|

| C- Ebenen | 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 | Lichtstärke in cd/klm | | | | | | | | | | | | |
| 0,0° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 2,5° | 24.1 | 24.8 | 25.1 | 26.0 | 27.0 | 27.3 | 27.9 | 28.6 | 29.5 | 30.5 | 31.4 | 31.7 | 32.4 |
| 5,0° | 28.9 | 30.8 | 32.7 | 35.9 | 39.0 | 41.6 | 43.5 | 45.7 | 47.6 | 49.5 | 51.1 | 52.7 | 54.3 |
| 7,5° | 51.1 | 53.3 | 53.6 | 54.6 | 55.2 | 57.1 | 60.0 | 63.2 | 68.2 | 73.6 | 78.4 | 85.0 | 91.7 |
| 10,0° | 60.6 | 61.6 | 64.4 | 66.3 | 70.5 | 77.4 | 88.2 | 102.5 | 116.1 | 127.9 | 129.2 | 127.9 | 127.6 |
| 12,5° | 96.8 | 90.8 | 99.6 | 112.3 | 133.0 | 140.3 | 147.2 | 156.5 | 153.3 | 157.4 | 149.2 | 149.2 | 149.8 |
| 15,0° | 100.9 | 109.8 | 137.7 | 143.4 | 152.6 | 159.6 | 167.9 | 167.9 | 186.9 | 197.4 | 185.0 | 191.7 | 185.6 |
| 17,5° | 134.2 | 153.6 | 164.7 | 165.3 | 174.2 | 188.8 | 191.0 | 194.2 | 206.0 | 206.9 | 213.3 | 212.9 | 206.3 |
| 20,0° | 165.7 | 182.8 | 199.6 | 208.8 | 212.6 | 209.8 | 213.6 | 206.6 | 203.1 | 213.6 | 219.6 | 219.0 | 217.1 |
| 22,5° | 189.5 | 213.3 | 226.6 | 239.3 | 241.8 | 243.7 | 241.5 | 234.5 | 217.1 | 219.0 | 225.0 | 240.2 | 245.3 |
| 25,0° | 204.4 | 227.9 | 245.9 | 256.4 | 252.9 | 252.6 | 265.6 | 262.1 | 246.3 | 237.7 | 231.7 | 247.2 | 262.4 |
| 27,5° | 238.0 | 238.6 | 255.8 | 253.2 | 249.8 | 241.2 | 250.4 | 266.9 | 273.6 | 267.8 | 258.6 | 258.6 | 271.6 |
| 30,0° | 237.4 | 255.8 | 264.0 | 272.9 | 265.9 | 259.3 | 247.5 | 263.1 | 279.6 | 297.7 | 292.0 | 283.4 | 285.0 |
| 32,5° | 222.1 | 245.0 | 245.3 | 265.9 | 280.2 | 290.4 | 279.9 | 289.1 | 299.6 | 312.6 | 329.1 | 316.7 | 292.3 |
| 35,0° | 242.8 | 253.6 | 265.3 | 276.1 | 278.6 | 281.5 | 300.5 | 296.4 | 289.7 | 297.7 | 320.5 | 320.5 | 302.4 |
| 37,5° | 253.6 | 265.6 | 260.2 | 268.5 | 255.1 | 237.1 | 235.8 | 273.9 | 312.9 | 311.0 | 309.1 | 324.6 | 330.0 |
| 40,0° | 207.2 | 208.2 | 208.2 | 216.4 | 242.5 | 256.7 | 287.5 | 296.4 | 315.1 | 337.7 | 340.5 | 359.2 | 363.7 |
| 42,5° | 212.6 | 227.2 | 255.1 | 269.7 | 290.7 | 320.5 | 348.1 | 357.0 | 356.1 | 381.4 | 386.5 | 378.6 | 378.3 |
| 45,0° | 270.4 | 284.3 | 318.6 | 332.6 | 352.6 | 360.8 | 370.3 | 391.9 | 402.4 | 396.0 | 413.2 | 395.4 | 389.4 |
| 47,5° | 307.8 | 328.8 | 379.9 | 402.7 | 408.4 | 393.5 | 404.9 | 423.7 | 440.2 | 429.7 | 425.6 | 419.2 | 405.2 |
| 50,0° | 313.2 | 338.0 | 438.3 | 433.2 | 461.1 | 423.0 | 478.2 | 484.9 | 464.6 | 448.1 | 454.8 | 435.4 | 409.1 |
| 52,5° | 311.6 | 339.9 | 423.3 | 456.3 | 513.5 | 506.2 | 536.0 | 543.0 | 491.9 | 460.5 | 457.3 | 441.7 | 402.4 |
| 55,0° | 320.8 | 357.6 | 431.9 | 503.0 | 587.1 | 597.2 | 595.3 | 574.1 | 517.0 | 464.6 | 456.0 | 439.5 | 383.4 |
| 57,5° | 326.5 | 388.1 | 470.3 | 564.2 | 670.9 | 680.1 | 637.9 | 587.4 | 539.5 | 472.2 | 441.7 | 421.1 | 364.0 |
| 60,0° | 298.3 | 383.4 | 503.0 | 608.7 | 729.6 | 738.1 | 656.0 | 614.4 | 560.7 | 467.8 | 419.5 | 387.5 | 328.8 |
| 62,5° | 245.3 | 347.5 | 478.9 | 597.9 | 727.0 | 765.4 | 676.6 | 644.8 | 583.3 | 459.2 | 396.4 | 356.4 | 296.1 |
| 65,0° | 209.4 | 308.8 | 449.7 | 507.8 | 657.5 | 775.6 | 718.2 | 649.0 | 554.4 | 454.8 | 377.6 | 322.4 | 255.1 |
| 67,5° | 192.6 | 294.2 | 419.8 | 475.4 | 611.5 | 797.2 | 737.5 | 606.1 | 548.1 | 421.8 | 339.6 | 292.6 | 217.1 |
| 70,0° | 225.6 | 327.8 | 433.5 | 483.3 | 562.3 | 701.3 | 666.1 | 563.3 | 477.3 | 377.3 | 306.6 | 260.5 | 181.8 |
| 72,5° | 229.1 | 332.3 | 404.3 | 464.0 | 541.4 | 608.4 | 603.3 | 493.8 | 378.0 | 304.7 | 241.8 | 208.8 | 148.2 |
| 75,0° | 174.9 | 292.3 | 363.0 | 400.5 | 472.2 | 488.7 | 479.8 | 346.2 | 253.2 | 212.3 | 198.3 | 182.2 | 132.0 |
| 77,5° | 134.6 | 194.2 | 216.1 | 257.4 | 281.8 | 272.0 | 264.3 | 188.2 | 158.0 | 152.3 | 156.5 | 154.5 | 113.9 |
| 80,0° | 71.4 | 82.5 | 104.4 | 137.4 | 131.1 | 131.1 | 144.7 | 127.3 | 103.5 | 74.9 | 66.0 | 75.5 | 46.3 |
| 82,5° | 39.7 | 42.5 | 47.0 | 72.4 | 58.7 | 48.6 | 71.1 | 86.6 | 69.2 | 47.3 | 30.8 | 21.9 | 16.2 |
| 85,0° | 16.8 | 17.8 | 17.8 | 21.3 | 15.6 | 21.6 | 34.6 | 40.6 | 26.7 | 19.4 | 13.6 | 12.7 | 11.4 |
| 87,5° | 11.7 | 11.7 | 11.4 | 12.1 | 12.7 | 15.6 | 19.0 | 15.6 | 16.2 | 13.3 | 10.8 | 10.2 | 9.8 |
| 90,0° | 7.6 | 7.9 | 8.3 | 8.6 | 8.9 | 8.9 | 9.2 | 9.2 | 8.9 | 8.9 | 8.9 | 8.9 | 8.3 |
| 92,5° | 7.3 | 7.6 | 7.9 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 95,0° | 7.0 | 7.3 | 7.6 | 7.6 | 7.9 | 8.3 | 7.6 | 7.6 | 7.6 | 7.9 | 7.6 | 7.9 | 7.9 |
| 97,5° | 7.0 | 7.0 | 7.0 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 100,0° | 6.3 | 6.3 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.3 | 7.6 |
| 102,5° | 5.7 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 105,0° | 5.7 | 5.7 | 5.7 | 6.0 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.7 | 6.7 |
| 107,5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 6.0 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 110,0° | 5.7 | 5.4 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 6.3 | 6.3 | 6.3 | 6.3 |
| 112,5° | 5.1 | 5.4 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 6.3 | 6.3 |

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| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | siteco |

| C- Ebenen | 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 | Lichtstärke in cd/klm | | | | | | | | | | | | |
| 0,0° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 2,5° | 32.4 | 32.7 | 33.3 | 33.0 | 33.3 | 33.0 | 23.8 | 23.8 | 23.5 | 22.8 | 23.2 | 23.2 | 22.5 |
| 5,0° | 55.2 | 56.2 | 56.8 | 57.4 | 58.1 | 58.4 | 27.3 | 26.0 | 25.1 | 24.1 | 23.5 | 23.5 | 23.2 |
| 7,5° | 94.9 | 96.8 | 95.8 | 92.7 | 92.3 | 92.7 | 47.6 | 40.9 | 34.9 | 29.2 | 25.7 | 23.5 | 22.8 |
| 10,0° | 131.4 | 128.2 | 127.9 | 124.4 | 125.0 | 125.7 | 56.2 | 60.9 | 55.5 | 54.6 | 48.9 | 40.9 | 31.1 |
| 12,5° | 157.1 | 165.0 | 166.9 | 176.4 | 178.0 | 177.1 | 86.3 | 76.5 | 60.0 | 57.1 | 54.3 | 52.7 | 52.7 |
| 15,0° | 189.1 | 193.3 | 199.6 | 202.1 | 204.7 | 206.9 | 87.6 | 81.9 | 86.0 | 67.3 | 79.3 | 82.2 | 67.3 |
| 17,5° | 207.9 | 212.3 | 216.7 | 221.2 | 226.6 | 229.8 | 119.6 | 103.1 | 86.0 | 78.1 | 83.1 | 74.6 | 64.7 |
| 20,0° | 217.7 | 218.3 | 225.0 | 232.3 | 232.0 | 234.8 | 161.5 | 141.2 | 117.1 | 104.4 | 81.6 | 77.4 | 67.3 |
| 22,5° | 243.1 | 242.5 | 245.6 | 252.3 | 255.8 | 254.5 | 159.6 | 153.0 | 139.9 | 120.3 | 100.0 | 85.7 | 68.9 |
| 25,0° | 262.4 | 262.4 | 266.3 | 271.0 | 272.0 | 271.6 | 180.3 | 163.8 | 142.8 | 127.9 | 117.1 | 92.3 | 79.7 |
| 27,5° | 284.0 | 283.4 | 276.1 | 276.4 | 275.1 | 274.8 | 225.3 | 186.3 | 158.4 | 142.8 | 122.2 | 96.8 | 70.1 |
| 30,0° | 296.4 | 286.9 | 275.1 | 277.7 | 280.2 | 283.1 | 231.3 | 195.8 | 167.6 | 143.1 | 126.6 | 91.4 | 65.7 |
| 32,5° | 300.8 | 294.2 | 280.9 | 276.1 | 279.3 | 279.9 | 213.9 | 191.7 | 164.4 | 141.9 | 110.4 | 74.3 | 51.1 |
| 35,0° | 292.9 | 303.4 | 292.6 | 283.1 | 276.7 | 273.6 | 231.7 | 184.4 | 151.4 | 129.2 | 98.4 | 61.2 | 44.7 |
| 37,5° | 325.0 | 321.5 | 299.6 | 288.1 | 288.8 | 290.1 | 247.5 | 196.1 | 155.8 | 129.5 | 88.2 | 49.8 | 43.8 |
| 40,0° | 343.1 | 327.5 | 303.1 | 304.7 | 312.3 | 316.1 | 196.1 | 163.8 | 136.8 | 111.7 | 69.5 | 43.2 | 41.6 |
| 42,5° | 354.2 | 334.2 | 321.2 | 328.5 | 334.5 | 338.9 | 191.7 | 160.9 | 117.1 | 103.8 | 59.7 | 45.4 | 40.0 |
| 45,0° | 378.9 | 349.7 | 339.9 | 343.7 | 348.8 | 351.0 | 268.8 | 200.6 | 152.6 | 108.2 | 55.9 | 48.6 | 42.8 |
| 47,5° | 387.8 | 354.2 | 346.2 | 347.8 | 350.3 | 351.6 | 296.4 | 221.8 | 171.7 | 101.2 | 51.4 | 48.2 | 43.2 |
| 50,0° | 382.4 | 344.0 | 339.2 | 342.7 | 345.0 | 345.3 | 307.2 | 226.3 | 177.7 | 79.0 | 46.3 | 44.4 | 39.7 |
| 52,5° | 358.0 | 321.8 | 322.1 | 330.7 | 337.0 | 338.9 | 302.7 | 223.1 | 164.1 | 61.9 | 42.2 | 39.0 | 35.9 |
| 55,0° | 329.4 | 294.2 | 298.0 | 309.1 | 320.8 | 325.6 | 298.6 | 211.7 | 147.9 | 48.6 | 38.7 | 35.2 | 31.4 |
| 57,5° | 297.7 | 263.1 | 265.3 | 279.9 | 294.8 | 301.5 | 280.9 | 190.4 | 103.5 | 43.5 | 34.3 | 30.8 | 28.6 |
| 60,0° | 267.2 | 229.4 | 220.2 | 239.3 | 258.0 | 263.4 | 229.8 | 150.7 | 68.2 | 41.6 | 30.5 | 27.0 | 25.4 |
| 62,5° | 225.3 | 188.5 | 179.3 | 186.9 | 203.1 | 215.2 | 180.3 | 118.1 | 52.0 | 38.4 | 29.2 | 24.4 | 22.2 |
| 65,0° | 187.6 | 146.9 | 137.1 | 137.1 | 146.6 | 149.8 | 140.6 | 90.4 | 51.7 | 39.7 | 29.5 | 25.1 | 20.6 |
| 67,5° | 150.4 | 108.8 | 97.4 | 96.5 | 99.6 | 98.4 | 127.6 | 76.2 | 60.3 | 46.3 | 30.1 | 25.4 | 20.0 |
| 70,0° | 122.5 | 82.5 | 58.7 | 59.0 | 60.6 | 62.2 | 146.6 | 81.2 | 65.4 | 43.8 | 29.8 | 23.5 | 18.7 |
| 72,5° | 94.9 | 65.1 | 39.7 | 35.5 | 35.2 | 36.8 | 136.1 | 80.6 | 60.6 | 37.4 | 31.7 | 23.2 | 18.4 |
| 75,0° | 71.4 | 38.7 | 28.9 | 25.1 | 23.8 | 23.5 | 86.3 | 63.8 | 52.0 | 34.3 | 32.1 | 23.8 | 18.7 |
| 77,5° | 50.8 | 24.4 | 20.6 | 18.4 | 17.8 | 17.8 | 68.9 | 48.2 | 42.5 | 34.3 | 27.3 | 22.8 | 18.4 |
| 80,0° | 20.6 | 16.2 | 14.9 | 14.3 | 14.0 | 14.0 | 49.2 | 41.6 | 36.5 | 31.1 | 25.7 | 21.6 | 16.8 |
| 82,5° | 13.0 | 11.7 | 11.4 | 11.1 | 11.4 | 11.4 | 29.5 | 28.9 | 26.0 | 21.6 | 20.0 | 17.1 | 14.0 |
| 85,0° | 10.8 | 10.2 | 9.8 | 10.2 | 10.2 | 10.2 | 14.9 | 16.2 | 19.4 | 18.7 | 16.8 | 14.3 | 12.1 |
| 87,5° | 9.2 | 8.9 | 8.9 | 8.9 | 9.2 | 8.9 | 11.7 | 12.7 | 14.3 | 12.4 | 10.8 | 9.8 | 8.9 |
| 90,0° | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 7.3 | 6.7 | 6.7 | 6.0 | 5.7 | 5.4 | 5.4 |
| 92,5° | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 7.0 | 6.3 | 6.0 | 5.7 | 5.4 | 5.4 | 5.1 |
| 95,0° | 7.9 | 7.9 | 7.6 | 7.6 | 7.6 | 7.6 | 6.7 | 6.3 | 6.0 | 5.7 | 5.4 | 5.1 | 5.1 |
| 97,5° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 6.3 | 6.3 | 5.7 | 5.4 | 5.4 | 5.1 | 4.8 |
| 100,0° | 7.0 | 7.3 | 7.3 | 7.0 | 7.3 | 7.0 | 6.3 | 5.7 | 5.7 | 5.1 | 5.1 | 4.8 | 4.4 |
| 102,5° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 5.7 | 5.7 | 5.1 | 5.1 | 4.8 | 4.4 | 4.4 |
| 105,0° | 6.7 | 7.0 | 7.0 | 6.7 | 7.0 | 6.3 | 5.7 | 5.1 | 5.1 | 4.8 | 4.4 | 4.4 | 4.4 |
| 107,5° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 5.1 | 5.1 | 5.1 | 4.8 | 4.4 | 4.4 | 4.1 |
| 110,0° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 5.7 | 5.1 | 5.1 | 5.1 | 4.4 | 4.4 | 4.4 | 3.8 |
| 112,5° | 6.3 | 6.3 | 6.3 | 6.3 | 5.7 | 3.2 | 5.1 | 5.1 | 5.1 | 4.4 | 4.4 | 4.4 | 4.1 |

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| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | siteco |

| C- Ebenen | 220° 320° | 225° 315° | 230° 310° | 235° 305° | 240° 300° | 245° 295° | 250° 290° | 255° 285° | 260° 280° | 265° 275° | 270° | Phi-Zone | Summe Phi-Zone |
|--------------|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|----------------------|-------------------|
| γ | Lichtstärke in cd/klm | | | | | | | | | | | Lichtstrom in lm/klm | |
| 0,0° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 0.0 | 0.0 |
| 2,5° | 22.5 | 22.2 | 21.6 | 20.9 | 20.9 | 20.9 | 20.6 | 20.6 | 20.9 | 20.6 | 20.9 | 0.3 | 0.3 |
| 5,0° | 22.8 | 22.5 | 21.6 | 21.3 | 20.6 | 20.3 | 20.0 | 20.0 | 19.7 | 19.4 | 19.7 | 0.8 | 1.2 |
| 7,5° | 22.5 | 22.5 | 21.6 | 20.9 | 20.6 | 20.3 | 20.0 | 20.0 | 19.7 | 19.4 | 19.7 | 1.8 | 3.0 |
| 10,0° | 24.8 | 23.2 | 22.5 | 22.2 | 20.6 | 19.7 | 19.4 | 19.4 | 19.0 | 18.7 | 18.4 | 3.3 | 6.3 |
| 12,5° | 50.1 | 42.2 | 31.1 | 22.8 | 22.2 | 22.2 | 21.9 | 19.4 | 18.4 | 18.7 | 18.4 | 5.6 | 11.8 |
| 15,0° | 58.4 | 52.7 | 49.8 | 46.0 | 37.1 | 26.7 | 26.0 | 25.1 | 21.3 | 20.3 | 19.7 | 8.1 | 19.9 |
| 17,5° | 59.0 | 47.9 | 44.7 | 44.4 | 45.1 | 42.5 | 37.8 | 32.4 | 26.0 | 24.8 | 23.5 | 10.6 | 30.6 |
| 20,0° | 54.9 | 43.8 | 40.3 | 39.0 | 38.7 | 39.7 | 38.7 | 38.7 | 36.8 | 40.9 | 43.8 | 13.3 | 43.8 |
| 22,5° | 52.0 | 39.4 | 37.1 | 36.2 | 36.5 | 36.5 | 38.4 | 40.0 | 45.7 | 45.7 | 48.9 | 16.3 | 60.2 |
| 25,0° | 54.9 | 39.4 | 35.5 | 35.2 | 34.9 | 36.5 | 42.2 | 44.7 | 45.7 | 43.2 | 43.8 | 19.3 | 79.5 |
| 27,5° | 52.7 | 41.9 | 38.7 | 37.4 | 38.1 | 38.4 | 39.4 | 41.9 | 41.3 | 39.7 | 34.9 | 22.1 | 101.6 |
| 30,0° | 49.8 | 47.6 | 43.8 | 42.5 | 40.0 | 38.7 | 39.7 | 38.1 | 36.2 | 34.6 | 32.4 | 24.8 | 126.4 |
| 32,5° | 50.5 | 49.2 | 47.3 | 47.0 | 43.5 | 39.7 | 38.1 | 35.2 | 32.7 | 31.7 | 31.1 | 27.1 | 153.4 |
| 35,0° | 45.7 | 47.9 | 47.9 | 49.2 | 47.0 | 44.4 | 39.4 | 35.5 | 30.5 | 28.9 | 29.2 | 29.0 | 182.4 |
| 37,5° | 42.8 | 43.8 | 47.3 | 49.5 | 49.2 | 45.1 | 41.6 | 38.1 | 34.3 | 30.5 | 30.5 | 30.8 | 213.3 |
| 40,0° | 40.9 | 40.3 | 39.4 | 43.2 | 44.1 | 43.8 | 43.5 | 42.2 | 39.7 | 37.1 | 36.2 | 32.2 | 245.5 |
| 42,5° | 37.4 | 36.8 | 35.5 | 34.0 | 35.5 | 38.4 | 38.7 | 40.0 | 40.9 | 39.7 | 39.4 | 36.6 | 282.1 |
| 45,0° | 36.8 | 33.6 | 32.1 | 31.7 | 31.1 | 31.4 | 33.0 | 35.2 | 34.3 | 34.9 | 34.3 | 42.2 | 324.4 |
| 47,5° | 36.8 | 32.1 | 29.8 | 28.6 | 28.2 | 27.6 | 28.2 | 28.2 | 27.9 | 29.2 | 29.8 | 47.0 | 371.4 |
| 50,0° | 35.2 | 30.8 | 27.9 | 26.0 | 24.8 | 24.8 | 24.4 | 24.8 | 24.8 | 23.2 | 22.8 | 50.8 | 422.2 |
| 52,5° | 32.4 | 29.2 | 26.3 | 24.1 | 22.8 | 21.6 | 20.6 | 20.6 | 20.3 | 20.6 | 20.3 | 53.4 | 475.6 |
| 55,0° | 28.9 | 26.0 | 23.8 | 22.2 | 20.6 | 20.0 | 18.7 | 18.4 | 17.8 | 17.8 | 17.8 | 56.0 | 531.6 |
| 57,5° | 25.7 | 22.8 | 20.9 | 19.7 | 19.0 | 18.7 | 17.5 | 17.1 | 15.9 | 15.6 | 15.2 | 58.0 | 589.6 |
| 60,0° | 22.5 | 20.0 | 18.1 | 17.5 | 17.1 | 16.5 | 16.2 | 15.9 | 14.9 | 14.6 | 14.6 | 58.0 | 647.6 |
| 62,5° | 20.0 | 17.8 | 16.5 | 15.9 | 15.2 | 14.9 | 14.3 | 14.3 | 13.3 | 13.6 | 13.3 | 56.0 | 703.6 |
| 65,0° | 18.1 | 16.2 | 15.2 | 14.9 | 14.3 | 13.6 | 13.3 | 13.3 | 12.4 | 12.4 | 12.1 | 52.6 | 756.1 |
| 67,5° | 17.5 | 15.6 | 14.6 | 13.6 | 13.0 | 12.4 | 12.1 | 12.1 | 11.4 | 11.4 | 11.4 | 49.8 | 806.0 |
| 70,0° | 16.8 | 14.6 | 13.6 | 13.0 | 12.4 | 11.4 | 11.1 | 10.8 | 10.5 | 10.2 | 10.2 | 46.7 | 852.6 |
| 72,5° | 15.6 | 14.0 | 12.7 | 11.7 | 11.1 | 10.5 | 10.2 | 9.8 | 9.5 | 9.5 | 8.9 | 41.8 | 894.4 |
| 75,0° | 15.2 | 13.0 | 11.4 | 10.5 | 10.2 | 9.5 | 8.9 | 8.9 | 8.3 | 8.3 | 8.3 | 33.9 | 928.3 |
| 77,5° | 14.6 | 12.4 | 10.2 | 9.2 | 8.6 | 8.3 | 7.6 | 7.6 | 7.3 | 7.3 | 7.0 | 22.6 | 951.0 |
| 80,0° | 14.0 | 11.1 | 8.6 | 7.9 | 7.3 | 6.7 | 6.3 | 5.7 | 5.7 | 5.7 | 5.7 | 12.7 | 963.6 |
| 82,5° | 12.1 | 9.5 | 7.3 | 6.7 | 6.0 | 5.4 | 5.1 | 4.8 | 4.4 | 4.4 | 4.4 | 7.1 | 970.7 |
| 85,0° | 9.8 | 7.9 | 6.3 | 5.4 | 5.1 | 4.4 | 4.4 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 974.5 |
| 87,5° | 7.3 | 6.7 | 5.4 | 4.8 | 4.4 | 3.8 | 3.5 | 3.5 | 3.2 | 3.2 | 3.2 | 2.6 | 977.1 |
| 90,0° | 4.8 | 4.4 | 4.1 | 4.1 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 2.9 | 2.5 | 1.8 | 979.0 |
| 92,5° | 4.8 | 4.4 | 4.4 | 4.1 | 3.8 | 3.8 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 1.8 | 980.7 |
| 95,0° | 4.8 | 4.4 | 4.4 | 4.1 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 1.7 | 982.4 |
| 97,5° | 4.4 | 4.4 | 4.1 | 3.8 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 1.6 | 984.0 |
| 100,0° | 4.4 | 4.1 | 4.1 | 3.8 | 3.8 | 3.8 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 1.5 | 985.6 |
| 102,5° | 4.1 | 3.8 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.5 | 1.4 | 987.0 |
| 105,0° | 3.8 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.5 | 2.5 | 1.4 | 988.4 |
| 107,5° | 3.8 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.5 | 2.5 | 1.3 | 989.7 |
| 110,0° | 3.8 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 2.9 | 2.5 | 2.5 | 1.3 | 991.0 |
| 112,5° | 3.8 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 2.9 | 2.5 | 1.9 | 1.2 | 992.2 |

Lichttechnischer Prüfbefund

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| Familie LATERNE LED | Bestell-Nr.: 5XA5255EF14H EAN: 4058352635933 | LP-Nummer 57121_31 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | sITeco |

| C- Ebenen | 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 | Lichtstärke in cd/klm | | | | | | | | | | | | |
| 115,0° | 5.1 | 5.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 6.3 |
| 117,5° | 5.1 | 5.1 | 5.1 | 5.1 | 5.4 | 5.4 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 120,0° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 122,5° | 4.4 | 4.4 | 4.4 | 4.4 | 4.8 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.7 |
| 125,0° | 3.8 | 3.8 | 3.8 | 3.8 | 4.1 | 3.8 | 4.1 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 127,5° | 2.9 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 130,0° | 2.5 | 2.5 | 2.2 | 2.2 | 2.2 | 2.2 | 2.5 | 1.9 | 1.9 | 2.2 | 1.9 | 2.2 | 2.2 |
| 132,5° | 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 |
| 135,0° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | 1.9 | 1.9 |
| 137,5° | 1.9 | 1.6 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 140,0° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 142,5° | 1.0 | 1.0 | 0.6 | 1.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 145,0° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 147,5° | 0.6 | 0.6 | 0.6 | 0.6 | 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 |

Lichttechnischer Prüfbefund

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| Familie LATERNE LED | Bestell-Nr.: 5XA5255EF14H EAN: 4058352635933 | LP-Nummer 57121_31 |
| | | siteco |

| C- Ebenen | 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 | Lichtstärke in cd/klm | | | | | | | | | | | | |
| 115,0° | 6.3 | 6.3 | 6.3 | 6.3 | 5.1 | 2.5 | 5.1 | 5.1 | 4.4 | 4.4 | 4.4 | 4.4 | 4.1 |
| 117,5° | 6.0 | 6.0 | 6.0 | 6.3 | 4.8 | 2.5 | 5.1 | 5.1 | 4.4 | 4.4 | 4.4 | 4.1 | 3.8 |
| 120,0° | 5.7 | 5.7 | 5.7 | 5.7 | 3.8 | 1.9 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 3.8 | 3.8 |
| 122,5° | 5.7 | 5.7 | 5.7 | 5.7 | 3.5 | 1.9 | 4.4 | 4.4 | 4.1 | 3.8 | 3.8 | 3.8 | 3.5 |
| 125,0° | 4.4 | 4.4 | 4.4 | 4.4 | 3.2 | 1.9 | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 |
| 127,5° | 3.5 | 3.5 | 3.5 | 3.2 | 1.9 | 1.3 | 3.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 130,0° | 2.5 | 2.5 | 2.5 | 1.9 | 1.3 | 1.3 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 132,5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 135,0° | 1.9 | 1.9 | 1.9 | 1.3 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 137,5° | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 0.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 140,0° | 1.3 | 1.3 | 1.0 | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 142,5° | 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 |
| 145,0° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 147,5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.3 | 1.0 |
| 150,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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- Ebenen | 220° 320° | 225° 315° | 230° 310° | 235° 305° | 240° 300° | 245° 295° | 250° 290° | 255° 285° | 260° 280° | 265° 275° | 270° | Phi-Zone | Summe Phi-Zone |
|-----------|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|----------------------|-------------------|
| γ | Lichtstärke in cd/klm | | | | | | | | | | | Lichtstrom in lm/klm | |
| 115,0° | 3.8 | 3.8 | 3.8 | 3.5 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 2.5 | 1.9 | 1.2 | 993.4 |
| 117,5° | 3.8 | 3.8 | 3.5 | 3.5 | 3.5 | 3.2 | 3.2 | 2.9 | 2.9 | 2.2 | 1.9 | 1.1 | 994.5 |
| 120,0° | 3.8 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 2.5 | 2.5 | 1.9 | 1.9 | 1.0 | 995.6 |
| 122,5° | 3.5 | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.5 | 2.5 | 2.5 | 1.9 | 1.9 | 1.0 | 996.5 |
| 125,0° | 3.2 | 3.2 | 2.9 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 | 0.8 | 997.3 |
| 127,5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.2 | 1.9 | 1.9 | 1.9 | 1.6 | 1.9 | 0.6 | 997.9 |
| 130,0° | 2.5 | 2.5 | 1.9 | 2.2 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | 1.9 | 0.5 | 998.3 |
| 132,5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | 1.3 | 1.9 | 0.4 | 998.7 |
| 135,0° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 | 1.3 | 1.3 | 0.4 | 999.1 |
| 137,5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.3 | 999.4 |
| 140,0° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.2 | 999.6 |
| 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 | 0.1 | 999.9 |
| 147,5° | 1.3 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.0 | 1.3 | 1.0 | 1.3 | 0.6 | 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 |

Lichttechnischer Prüfbefund

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| Familie LATERNE LED | Bestell-Nr.: 5XA5255EF14H EAN: 4058352635933 | LP-Nummer 57121_31 |
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| Dimmstufen-Tabelle | Umgebungstemperatur: 25°C | siteco |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100 | 254 | 254 | 1540 | 10.5 | 10.8 | 10.6 |
| 95 | 241 | 252 | 1461 | 10.0 | 10.3 | 10.2 |
| 90 | 229 | 250 | 1388 | 9.4 | 9.8 | 9.6 |
| 85 | 216 | 248 | 1310 | 8.9 | 9.2 | 9.0 |
| 80 | 203 | 246 | 1231 | 8.3 | 8.7 | 8.5 |
| 75 | 190 | 243 | 1152 | 7.8 | 8.1 | 8.0 |
| 70 | 178 | 241 | 1079 | 7.3 | 7.6 | 7.4 |
| 65 | 165 | 238 | 1000 | 6.9 | 7.1 | 7.0 |
| 60 | 152 | 235 | 922 | 6.4 | 6.6 | 6.5 |
| 55 | 140 | 232 | 849 | 5.9 | 6.1 | 6.0 |
| 50 | 127 | 229 | 770 | 5.4 | 5.6 | 5.5 |
| 45 | 114 | 225 | 691 | 5.0 | 5.2 | 5.1 |
| 40 | 102 | 221 | 618 | 4.6 | 4.7 | 4.6 |
| 35 | 89 | 216 | 540 | 4.1 | 4.3 | 4.2 |
| 30 | 76 | 210 | 461 | 3.7 | 3.8 | 3.8 |
| 28 | 72 | 208 | 437 | 3.5 | 3.7 | 3.6 |