

Lichttechnischer Prüfbefund

Familie
LATERNE CLASSIC LED

Bestell-Nr.: 5XA5245MF14HP
EAN: 4058352834664

LP-Nummer
58716_21



Ausführung Mastaufsatz- oder Montage am Wandausleger
Optik asymmetrisch, breit strahlend (ST1.2a)
Abdeckung Abdeckung klar, PMMA
Bestückung LED 2700 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 3800 lm
 Systemleistung = 33.6 W
 Lichtausbeute = 113.1 lm/W

Seriendokumentation
04.11.2022

siteco

Lichtstärke in cd/klm

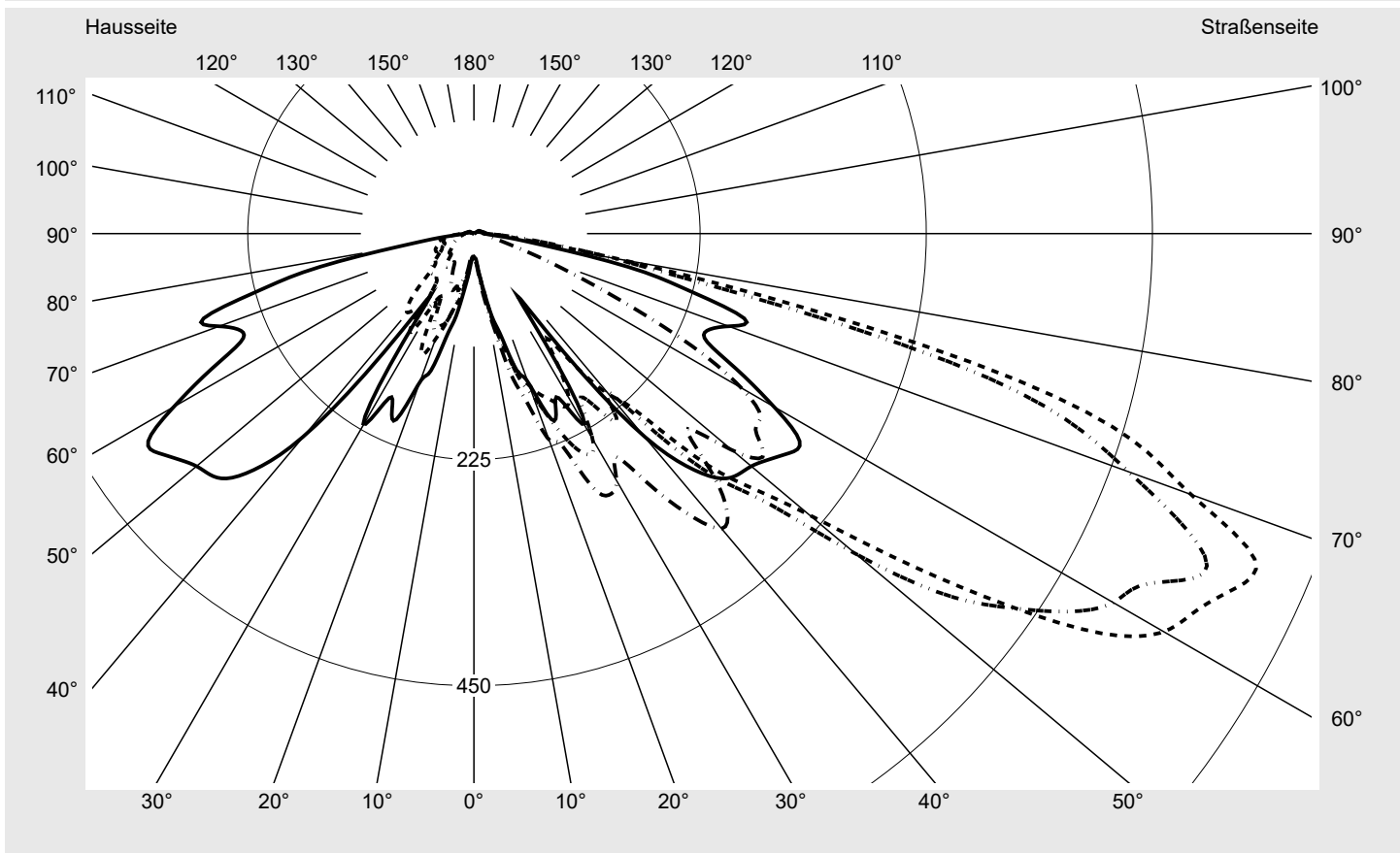
C180-0

C205-25

C210-30

C270-90

Imax: 839 cd/klm



Leuchtenbetriebswirkungsgrade

| | |
|----------------|--------|
| Eta | 100.0% |
| Eta 0° - 90° | 97.5% |
| Eta 90° - 180° | 2.5% |

Lichtstärkeklasse nach EN13201-2

| | |
|-----------|-------|
| Klasse: | G1 |
| Imax 70° | 759.0 |
| Imax 80° | 170.3 |
| Imax 90° | 12.9 |
| Imax >90° | 11.8 |
| Imax >95° | 9.9 |

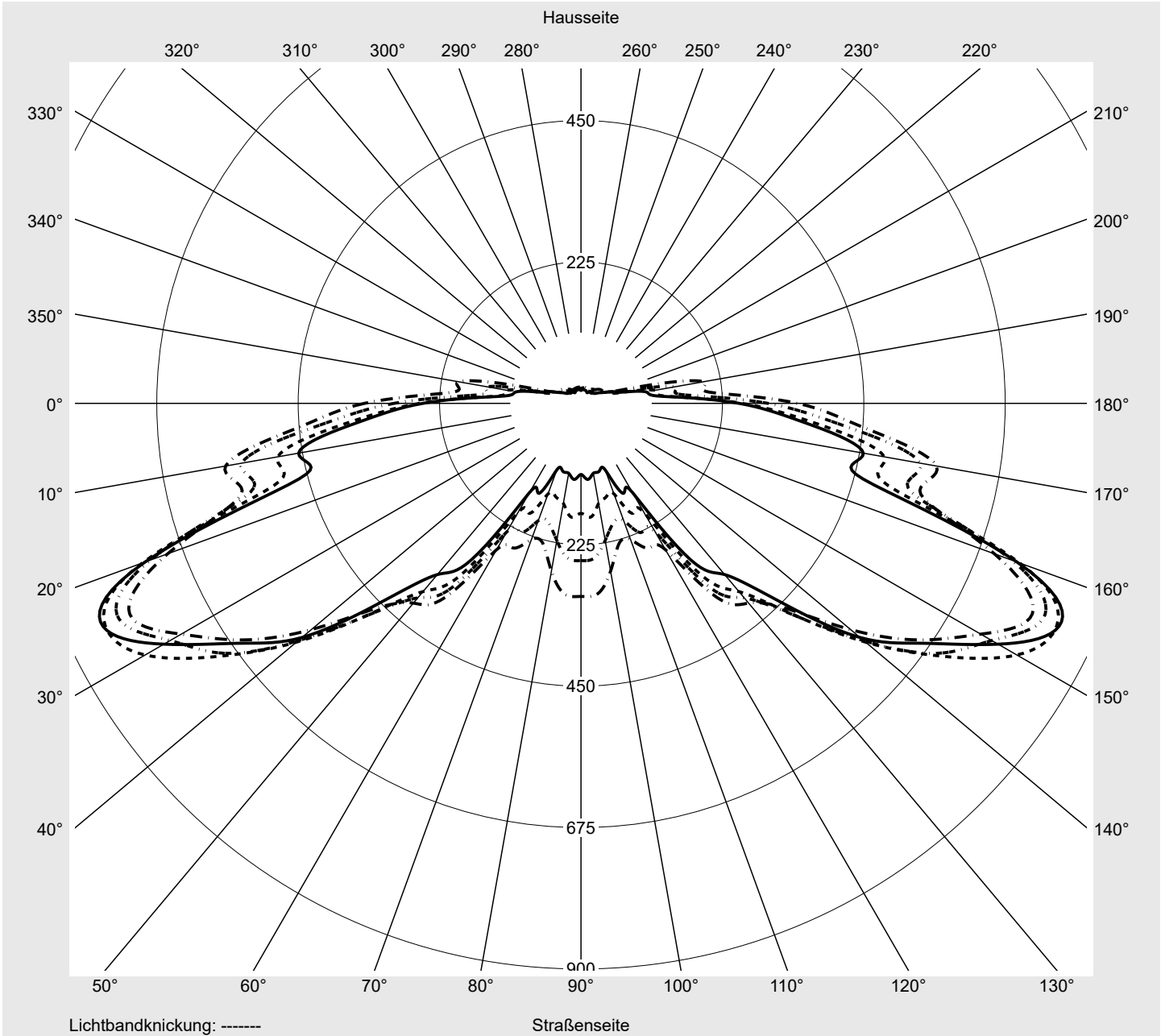
Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

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| Familie LATERNE CLASSIC LED | Bestell-Nr.: 5XA5245MF14HP EAN: 4058352834664 | LP-Nummer 58716_21 |
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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 CLASSIC LED | Bestell-Nr.: 5XA5245MF14HP EAN: 4058352834664 | LP-Nummer 58716_21 |
| 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° | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 |
| 2,5° | 24.9 | 24.9 | 25.3 | 24.9 | 25.3 | 25.3 | 25.4 | 25.4 | 26.0 | 25.6 | 26.4 | 26.0 | 26.4 |
| 5,0° | 26.6 | 26.8 | 27.7 | 27.9 | 29.4 | 29.4 | 31.1 | 30.4 | 31.9 | 30.6 | 31.7 | 30.2 | 32.1 |
| 7,5° | 41.0 | 39.5 | 42.7 | 41.0 | 41.2 | 41.0 | 42.2 | 42.7 | 44.2 | 43.3 | 42.5 | 38.7 | 40.6 |
| 10,0° | 59.8 | 49.9 | 54.9 | 55.6 | 60.2 | 61.0 | 66.7 | 65.5 | 71.4 | 66.3 | 69.7 | 65.3 | 64.8 |
| 12,5° | 86.8 | 86.0 | 91.2 | 88.9 | 97.4 | 93.2 | 91.5 | 94.2 | 96.1 | 98.6 | 100.1 | 91.9 | 95.7 |
| 15,0° | 107.1 | 108.6 | 111.1 | 115.6 | 120.6 | 119.4 | 117.5 | 136.2 | 149.3 | 136.0 | 133.5 | 124.0 | 115.3 |
| 17,5° | 143.8 | 136.2 | 130.3 | 138.8 | 155.1 | 142.4 | 151.9 | 151.7 | 162.4 | 162.4 | 162.7 | 157.8 | 156.1 |
| 20,0° | 157.2 | 177.0 | 170.7 | 175.1 | 196.4 | 160.8 | 171.5 | 171.9 | 177.6 | 169.2 | 172.8 | 166.5 | 175.8 |
| 22,5° | 199.0 | 203.0 | 201.7 | 214.2 | 211.7 | 173.8 | 201.9 | 184.6 | 188.6 | 178.9 | 190.7 | 199.6 | 195.0 |
| 25,0° | 192.7 | 179.8 | 178.5 | 187.4 | 202.6 | 183.2 | 232.8 | 223.1 | 220.3 | 208.9 | 215.9 | 205.1 | 209.5 |
| 27,5° | 186.1 | 193.5 | 199.8 | 215.0 | 229.6 | 194.3 | 248.0 | 253.7 | 249.9 | 232.4 | 214.8 | 205.5 | 205.3 |
| 30,0° | 219.3 | 229.4 | 238.7 | 240.4 | 238.7 | 188.6 | 236.2 | 233.0 | 258.6 | 248.6 | 232.2 | 209.5 | 208.5 |
| 32,5° | 155.7 | 196.5 | 212.1 | 226.5 | 211.0 | 156.3 | 197.3 | 175.3 | 195.6 | 203.8 | 210.0 | 207.0 | 220.8 |
| 35,0° | 75.8 | 60.6 | 73.5 | 123.1 | 156.9 | 127.4 | 209.8 | 191.8 | 210.4 | 207.7 | 234.7 | 225.8 | 235.9 |
| 37,5° | 164.8 | 124.8 | 118.7 | 105.4 | 140.9 | 167.9 | 234.0 | 250.7 | 266.6 | 246.3 | 252.8 | 238.7 | 242.5 |
| 40,0° | 262.8 | 256.2 | 256.7 | 228.8 | 235.5 | 209.3 | 202.6 | 204.3 | 242.3 | 294.9 | 292.1 | 264.5 | 271.6 |
| 42,5° | 314.7 | 305.5 | 324.7 | 303.3 | 290.4 | 240.4 | 272.7 | 223.7 | 251.8 | 263.2 | 273.1 | 271.7 | 295.7 |
| 45,0° | 344.3 | 340.5 | 372.4 | 357.8 | 310.7 | 319.8 | 346.7 | 315.4 | 338.0 | 318.6 | 302.5 | 275.2 | 282.8 |
| 47,5° | 355.5 | 375.8 | 429.2 | 419.5 | 329.3 | 374.7 | 398.0 | 359.9 | 360.6 | 346.9 | 353.6 | 321.9 | 296.4 |
| 50,0° | 360.2 | 409.6 | 479.3 | 471.5 | 351.1 | 435.8 | 496.0 | 444.7 | 399.0 | 356.2 | 356.2 | 324.2 | 303.3 |
| 52,5° | 369.5 | 417.2 | 501.1 | 519.4 | 456.9 | 533.6 | 589.8 | 531.5 | 453.1 | 414.4 | 395.6 | 362.7 | 316.9 |
| 55,0° | 381.5 | 431.3 | 507.4 | 530.0 | 553.7 | 641.8 | 649.1 | 575.2 | 487.8 | 449.7 | 419.1 | 384.0 | 302.1 |
| 57,5° | 384.2 | 449.3 | 542.5 | 571.6 | 638.4 | 740.6 | 700.1 | 604.8 | 522.0 | 460.3 | 422.7 | 386.8 | 293.2 |
| 60,0° | 344.7 | 454.2 | 574.2 | 559.8 | 700.0 | 792.4 | 734.5 | 656.3 | 560.0 | 461.3 | 414.9 | 376.9 | 269.1 |
| 62,5° | 297.6 | 423.7 | 548.0 | 544.1 | 729.2 | 811.2 | 754.8 | 693.3 | 587.5 | 474.9 | 404.1 | 357.8 | 236.0 |
| 65,0° | 256.5 | 378.5 | 489.9 | 506.3 | 742.9 | 835.5 | 800.8 | 701.5 | 591.1 | 473.2 | 391.0 | 333.6 | 200.9 |
| 67,5° | 251.6 | 359.1 | 456.1 | 464.3 | 738.3 | 839.3 | 766.4 | 665.6 | 579.6 | 444.7 | 355.7 | 303.6 | 163.9 |
| 70,0° | 269.7 | 379.8 | 407.7 | 455.2 | 681.9 | 759.0 | 693.1 | 616.2 | 511.4 | 397.8 | 320.2 | 273.3 | 131.6 |
| 72,5° | 282.8 | 395.0 | 358.9 | 487.5 | 634.8 | 689.3 | 619.4 | 530.0 | 410.0 | 332.7 | 264.9 | 225.8 | 106.2 |
| 75,0° | 224.8 | 325.9 | 296.8 | 427.6 | 522.6 | 551.8 | 481.4 | 381.9 | 273.1 | 228.8 | 207.7 | 189.7 | 89.6 |
| 77,5° | 166.5 | 219.7 | 191.8 | 297.2 | 321.5 | 321.9 | 252.2 | 213.1 | 167.1 | 158.0 | 157.2 | 162.4 | 66.7 |
| 80,0° | 81.7 | 103.7 | 91.0 | 170.3 | 151.9 | 147.4 | 138.2 | 139.2 | 115.6 | 90.8 | 72.0 | 84.7 | 31.3 |
| 82,5° | 41.4 | 54.5 | 51.8 | 84.5 | 61.9 | 60.0 | 76.7 | 94.9 | 72.2 | 47.1 | 31.7 | 23.9 | 14.6 |
| 85,0° | 19.7 | 26.0 | 26.0 | 31.7 | 23.9 | 34.8 | 41.8 | 44.2 | 28.5 | 23.0 | 16.1 | 14.6 | 12.2 |
| 87,5° | 12.9 | 15.6 | 15.4 | 17.5 | 17.5 | 19.7 | 20.9 | 20.3 | 17.5 | 14.8 | 13.1 | 12.5 | 10.4 |
| 90,0° | 9.5 | 12.0 | 12.3 | 12.7 | 12.9 | 12.9 | 12.5 | 12.2 | 11.6 | 11.8 | 11.2 | 10.6 | 9.9 |
| 92,5° | 9.3 | 11.0 | 11.2 | 11.8 | 11.6 | 11.8 | 11.4 | 11.2 | 10.6 | 10.6 | 10.4 | 10.1 | 9.7 |
| 95,0° | 8.5 | 9.5 | 9.7 | 10.3 | 10.6 | 10.8 | 10.4 | 10.3 | 9.9 | 9.7 | 9.7 | 9.5 | 9.3 |
| 97,5° | 7.8 | 8.5 | 8.9 | 8.9 | 9.3 | 9.7 | 9.7 | 9.5 | 9.1 | 9.3 | 9.1 | 8.7 | 8.9 |
| 100,0° | 7.0 | 7.4 | 7.8 | 8.2 | 8.2 | 8.5 | 8.5 | 8.5 | 8.2 | 8.5 | 8.4 | 8.4 | 8.2 |
| 102,5° | 6.3 | 6.6 | 7.0 | 7.0 | 7.4 | 7.8 | 7.8 | 7.8 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 105,0° | 5.9 | 5.9 | 6.3 | 6.6 | 6.6 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.2 | 7.2 |
| 107,5° | 5.3 | 5.5 | 5.7 | 6.1 | 6.3 | 6.6 | 6.6 | 6.5 | 6.6 | 6.6 | 6.6 | 6.6 | 6.8 |
| 110,0° | 5.1 | 5.1 | 5.5 | 5.9 | 6.1 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 112,5° | 4.7 | 5.1 | 5.3 | 5.5 | 5.9 | 6.1 | 6.3 | 6.1 | 6.1 | 6.1 | 6.1 | 6.3 | 6.3 |

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| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
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| 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° | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 |
| 2,5° | 25.8 | 26.4 | 26.0 | 26.8 | 26.2 | 27.0 | 25.1 | 24.7 | 24.7 | 24.3 | 24.5 | 23.7 | 23.7 |
| 5,0° | 31.1 | 32.7 | 31.3 | 32.1 | 31.0 | 31.5 | 26.0 | 25.4 | 25.3 | 25.1 | 24.9 | 24.5 | 24.3 |
| 7,5° | 40.4 | 42.2 | 42.0 | 46.5 | 47.5 | 50.1 | 41.2 | 35.7 | 38.9 | 33.6 | 38.7 | 31.7 | 36.3 |
| 10,0° | 58.1 | 59.2 | 63.4 | 71.2 | 68.0 | 74.1 | 61.1 | 65.5 | 59.2 | 58.5 | 52.6 | 47.9 | 44.4 |
| 12,5° | 83.7 | 89.6 | 92.5 | 100.6 | 99.9 | 102.5 | 80.9 | 82.8 | 82.6 | 73.7 | 67.8 | 62.3 | 62.5 |
| 15,0° | 108.4 | 111.8 | 122.9 | 140.7 | 138.8 | 148.5 | 102.5 | 83.6 | 92.5 | 83.6 | 76.5 | 77.3 | 77.7 |
| 17,5° | 153.8 | 162.2 | 164.4 | 169.2 | 167.1 | 176.6 | 135.0 | 105.0 | 120.0 | 106.9 | 94.9 | 92.9 | 92.3 |
| 20,0° | 176.0 | 180.8 | 167.3 | 185.9 | 211.0 | 218.4 | 148.9 | 115.1 | 134.1 | 122.1 | 111.8 | 98.0 | 94.4 |
| 22,5° | 209.6 | 205.7 | 183.6 | 194.6 | 214.8 | 227.5 | 185.5 | 130.3 | 149.4 | 145.7 | 129.7 | 103.3 | 83.7 |
| 25,0° | 224.5 | 227.9 | 221.0 | 240.0 | 265.5 | 277.6 | 178.5 | 126.3 | 146.2 | 150.0 | 121.0 | 89.3 | 68.4 |
| 27,5° | 230.3 | 236.4 | 244.6 | 260.2 | 285.8 | 292.8 | 182.3 | 116.8 | 121.2 | 98.7 | 86.6 | 71.2 | 60.6 |
| 30,0° | 234.9 | 239.6 | 252.4 | 250.7 | 274.6 | 283.7 | 160.7 | 66.5 | 98.0 | 87.4 | 83.9 | 79.4 | 70.3 |
| 32,5° | 245.2 | 251.8 | 263.2 | 236.4 | 257.9 | 263.6 | 122.9 | 52.4 | 121.9 | 123.1 | 116.2 | 88.1 | 57.7 |
| 35,0° | 270.6 | 254.1 | 267.4 | 256.9 | 288.3 | 306.1 | 109.0 | 122.7 | 135.2 | 127.8 | 102.9 | 78.2 | 51.8 |
| 37,5° | 267.8 | 261.3 | 298.3 | 297.0 | 337.3 | 353.6 | 182.1 | 159.1 | 135.2 | 117.0 | 95.3 | 61.5 | 44.4 |
| 40,0° | 294.0 | 288.5 | 331.2 | 330.4 | 369.0 | 383.2 | 245.3 | 168.6 | 171.9 | 135.4 | 102.5 | 58.1 | 47.5 |
| 42,5° | 332.3 | 305.5 | 347.1 | 337.3 | 367.4 | 372.2 | 293.2 | 192.0 | 195.0 | 151.5 | 97.0 | 54.5 | 53.9 |
| 45,0° | 307.1 | 282.6 | 316.7 | 307.3 | 331.7 | 332.3 | 306.1 | 232.6 | 204.1 | 151.9 | 83.2 | 56.2 | 58.5 |
| 47,5° | 295.5 | 269.7 | 293.8 | 277.4 | 291.9 | 288.3 | 292.1 | 245.7 | 210.2 | 139.2 | 65.3 | 57.5 | 57.5 |
| 50,0° | 309.9 | 282.6 | 299.3 | 287.3 | 321.1 | 335.4 | 275.0 | 260.9 | 212.5 | 120.8 | 52.8 | 54.5 | 53.2 |
| 52,5° | 312.0 | 293.4 | 317.9 | 323.4 | 358.3 | 363.1 | 265.9 | 279.5 | 202.2 | 102.2 | 48.0 | 51.8 | 48.6 |
| 55,0° | 295.1 | 285.6 | 312.9 | 317.5 | 343.3 | 342.2 | 262.6 | 275.9 | 182.5 | 82.4 | 46.9 | 47.9 | 44.8 |
| 57,5° | 272.5 | 254.3 | 267.9 | 301.6 | 330.8 | 338.0 | 248.6 | 248.2 | 148.5 | 63.0 | 45.4 | 43.5 | 41.2 |
| 60,0° | 254.1 | 230.7 | 232.1 | 271.2 | 304.2 | 307.3 | 204.7 | 197.9 | 111.7 | 56.2 | 43.5 | 39.9 | 38.0 |
| 62,5° | 226.7 | 198.6 | 197.5 | 221.6 | 246.9 | 250.3 | 160.5 | 151.5 | 78.2 | 52.2 | 41.8 | 36.7 | 33.4 |
| 65,0° | 193.1 | 153.2 | 154.2 | 161.6 | 181.5 | 175.1 | 133.5 | 120.0 | 67.2 | 49.6 | 41.6 | 34.9 | 30.4 |
| 67,5° | 158.0 | 112.8 | 111.8 | 113.0 | 121.5 | 113.2 | 128.7 | 105.0 | 69.3 | 54.7 | 41.4 | 33.8 | 27.5 |
| 70,0° | 132.0 | 87.0 | 75.0 | 67.8 | 75.8 | 71.0 | 138.6 | 111.5 | 73.7 | 54.5 | 39.5 | 31.3 | 25.1 |
| 72,5° | 106.7 | 68.2 | 47.9 | 41.4 | 43.5 | 41.8 | 128.7 | 107.1 | 68.0 | 51.7 | 37.2 | 30.6 | 24.1 |
| 75,0° | 79.8 | 45.0 | 34.0 | 28.5 | 28.1 | 27.0 | 87.5 | 76.7 | 55.4 | 44.8 | 37.8 | 31.5 | 25.1 |
| 77,5° | 54.9 | 26.2 | 23.9 | 21.1 | 20.9 | 20.1 | 74.6 | 62.1 | 48.4 | 41.6 | 36.3 | 30.6 | 25.4 |
| 80,0° | 25.4 | 16.7 | 17.1 | 16.3 | 16.7 | 16.3 | 49.0 | 46.3 | 40.6 | 37.6 | 31.7 | 28.7 | 24.7 |
| 82,5° | 13.9 | 12.7 | 13.1 | 12.9 | 13.5 | 13.3 | 31.0 | 32.9 | 32.3 | 30.8 | 27.2 | 25.4 | 21.1 |
| 85,0° | 12.0 | 11.4 | 11.6 | 11.6 | 12.2 | 12.2 | 19.9 | 21.5 | 23.5 | 25.1 | 22.4 | 20.7 | 18.4 |
| 87,5° | 10.6 | 10.3 | 10.8 | 10.8 | 11.0 | 11.0 | 14.8 | 16.0 | 16.0 | 17.1 | 15.6 | 15.8 | 14.6 |
| 90,0° | 9.9 | 9.9 | 10.4 | 10.4 | 10.4 | 10.6 | 11.6 | 11.8 | 11.4 | 11.6 | 11.6 | 11.6 | 11.6 |
| 92,5° | 9.7 | 9.7 | 10.3 | 10.3 | 10.4 | 10.6 | 10.6 | 10.6 | 10.1 | 10.6 | 10.4 | 10.6 | 10.3 |
| 95,0° | 9.5 | 9.3 | 9.7 | 9.9 | 10.1 | 10.3 | 9.1 | 9.3 | 8.7 | 9.1 | 8.7 | 9.1 | 8.7 |
| 97,5° | 9.1 | 9.1 | 9.3 | 9.5 | 9.7 | 9.9 | 8.2 | 8.2 | 7.6 | 7.8 | 7.8 | 8.0 | 7.8 |
| 100,0° | 8.5 | 8.5 | 8.9 | 8.7 | 9.1 | 9.1 | 7.0 | 7.0 | 6.6 | 6.8 | 6.6 | 6.8 | 6.6 |
| 102,5° | 8.0 | 8.0 | 8.2 | 8.2 | 8.4 | 8.4 | 6.3 | 6.3 | 5.9 | 6.3 | 5.9 | 6.1 | 5.9 |
| 105,0° | 7.4 | 7.6 | 7.6 | 7.6 | 7.8 | 7.6 | 5.7 | 5.5 | 5.3 | 5.5 | 5.3 | 5.5 | 5.3 |
| 107,5° | 6.8 | 6.8 | 7.0 | 7.0 | 7.2 | 7.2 | 5.3 | 5.1 | 4.7 | 4.7 | 4.7 | 4.9 | 4.7 |
| 110,0° | 6.5 | 6.5 | 6.6 | 6.8 | 6.8 | 7.2 | 4.9 | 4.7 | 4.4 | 4.6 | 4.4 | 4.6 | 4.4 |
| 112,5° | 6.3 | 6.5 | 6.5 | 6.5 | 6.6 | 6.8 | 4.7 | 4.7 | 4.2 | 4.4 | 4.2 | 4.4 | 4.0 |

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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° | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 0.0 | 0.0 |
| 2,5° | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.5 | 23.4 | 23.5 | 0.3 | 0.3 |
| 5,0° | 23.9 | 23.9 | 23.7 | 23.5 | 23.7 | 23.7 | 23.7 | 23.5 | 23.5 | 23.4 | 23.5 | 0.7 | 1.0 |
| 7,5° | 31.9 | 33.8 | 29.2 | 30.8 | 27.3 | 26.6 | 25.3 | 25.3 | 24.3 | 23.7 | 23.5 | 1.3 | 2.3 |
| 10,0° | 40.3 | 36.7 | 40.1 | 38.5 | 40.1 | 36.8 | 37.8 | 38.2 | 39.5 | 43.7 | 40.3 | 2.6 | 4.9 |
| 12,5° | 59.1 | 59.1 | 54.9 | 54.3 | 53.4 | 54.1 | 45.2 | 41.8 | 44.4 | 45.0 | 43.7 | 4.6 | 9.5 |
| 15,0° | 72.7 | 59.4 | 65.7 | 64.6 | 63.6 | 58.9 | 39.7 | 40.6 | 54.1 | 58.9 | 58.1 | 6.9 | 16.4 |
| 17,5° | 78.2 | 64.6 | 68.9 | 65.7 | 62.9 | 60.2 | 53.7 | 51.5 | 54.9 | 57.3 | 55.1 | 9.7 | 26.1 |
| 20,0° | 76.7 | 60.0 | 63.4 | 60.4 | 60.2 | 58.5 | 49.9 | 49.0 | 49.4 | 54.5 | 59.6 | 12.3 | 38.4 |
| 22,5° | 65.5 | 53.6 | 56.2 | 54.1 | 53.9 | 53.4 | 49.2 | 48.8 | 46.5 | 57.3 | 59.2 | 15.0 | 53.4 |
| 25,0° | 56.8 | 49.9 | 51.5 | 49.2 | 49.4 | 49.2 | 49.8 | 47.9 | 45.4 | 51.7 | 53.6 | 17.3 | 70.7 |
| 27,5° | 53.7 | 49.4 | 49.8 | 47.9 | 47.3 | 46.3 | 46.7 | 44.1 | 43.1 | 45.2 | 46.7 | 19.2 | 89.9 |
| 30,0° | 56.6 | 50.3 | 50.5 | 47.9 | 45.4 | 44.4 | 44.2 | 40.4 | 39.3 | 39.7 | 41.4 | 20.9 | 110.8 |
| 32,5° | 48.6 | 48.0 | 48.8 | 46.9 | 45.0 | 43.3 | 41.4 | 37.8 | 35.9 | 35.1 | 36.1 | 20.8 | 131.6 |
| 35,0° | 49.6 | 49.8 | 49.8 | 48.2 | 45.0 | 43.3 | 41.4 | 38.9 | 35.7 | 33.8 | 34.6 | 21.0 | 152.6 |
| 37,5° | 44.2 | 46.3 | 47.1 | 45.8 | 44.4 | 43.5 | 43.3 | 40.4 | 38.2 | 37.8 | 39.5 | 25.2 | 177.8 |
| 40,0° | 43.7 | 40.3 | 40.3 | 39.9 | 39.7 | 40.1 | 41.2 | 39.7 | 40.1 | 41.0 | 43.3 | 31.2 | 209.1 |
| 42,5° | 50.3 | 44.2 | 39.1 | 36.7 | 35.9 | 35.5 | 36.7 | 36.3 | 37.6 | 37.6 | 39.9 | 35.8 | 244.8 |
| 45,0° | 53.7 | 48.4 | 43.3 | 38.5 | 35.5 | 33.6 | 32.3 | 32.3 | 33.4 | 33.6 | 34.9 | 40.0 | 284.8 |
| 47,5° | 52.6 | 47.1 | 43.3 | 39.7 | 36.8 | 34.9 | 31.5 | 31.5 | 31.3 | 31.0 | 30.8 | 43.5 | 328.4 |
| 50,0° | 48.6 | 44.8 | 41.4 | 37.6 | 35.5 | 34.0 | 31.3 | 32.3 | 31.1 | 31.5 | 30.8 | 48.2 | 376.6 |
| 52,5° | 44.4 | 24.1 | 38.5 | 34.9 | 32.9 | 31.9 | 29.4 | 31.7 | 30.6 | 31.3 | 30.8 | 54.3 | 430.9 |
| 55,0° | 40.4 | 37.4 | 35.1 | 31.5 | 30.0 | 29.6 | 28.3 | 29.8 | 28.7 | 29.1 | 28.1 | 58.1 | 489.1 |
| 57,5° | 37.4 | 34.0 | 31.9 | 29.1 | 27.2 | 27.2 | 26.8 | 27.9 | 27.0 | 27.2 | 26.2 | 60.8 | 549.8 |
| 60,0° | 34.8 | 31.0 | 29.4 | 26.8 | 25.1 | 25.4 | 25.6 | 26.0 | 26.0 | 26.0 | 24.7 | 61.5 | 611.3 |
| 62,5° | 31.5 | 27.7 | 27.0 | 24.7 | 23.0 | 23.9 | 24.5 | 24.5 | 25.1 | 24.7 | 23.5 | 60.1 | 671.4 |
| 65,0° | 27.9 | 24.9 | 24.5 | 23.2 | 21.1 | 22.2 | 23.2 | 23.2 | 23.7 | 23.2 | 22.0 | 57.7 | 729.1 |
| 67,5° | 25.3 | 23.0 | 22.6 | 21.5 | 19.6 | 20.7 | 21.8 | 21.8 | 22.4 | 21.8 | 20.5 | 54.5 | 783.6 |
| 70,0° | 23.4 | 21.3 | 21.1 | 19.7 | 17.7 | 19.0 | 20.3 | 20.3 | 21.1 | 20.5 | 19.0 | 50.5 | 834.2 |
| 72,5° | 22.0 | 20.3 | 19.6 | 18.8 | 16.3 | 18.0 | 19.2 | 19.4 | 19.6 | 19.4 | 17.9 | 45.9 | 880.0 |
| 75,0° | 21.6 | 19.6 | 18.2 | 17.5 | 15.4 | 17.1 | 18.0 | 18.2 | 18.4 | 18.2 | 16.7 | 36.6 | 916.6 |
| 77,5° | 21.8 | 19.4 | 17.5 | 16.7 | 14.2 | 16.0 | 16.5 | 16.9 | 17.1 | 16.7 | 15.2 | 24.9 | 941.6 |
| 80,0° | 21.6 | 18.8 | 16.9 | 15.8 | 12.9 | 14.4 | 15.0 | 15.0 | 15.2 | 14.8 | 13.3 | 14.6 | 956.1 |
| 82,5° | 19.6 | 16.9 | 15.6 | 14.1 | 11.2 | 12.9 | 13.5 | 13.5 | 13.5 | 13.3 | 11.4 | 8.6 | 964.7 |
| 85,0° | 16.9 | 15.0 | 13.9 | 12.9 | 9.7 | 12.0 | 12.3 | 12.3 | 12.3 | 12.2 | 10.6 | 5.3 | 970.0 |
| 87,5° | 14.2 | 13.1 | 12.5 | 11.8 | 8.7 | 11.0 | 11.6 | 11.6 | 11.6 | 11.4 | 9.5 | 3.8 | 973.8 |
| 90,0° | 11.8 | 11.4 | 11.6 | 11.2 | 8.7 | 10.8 | 11.2 | 11.4 | 11.2 | 11.0 | 9.5 | 3.1 | 976.9 |
| 92,5° | 10.4 | 9.9 | 10.3 | 9.9 | 8.4 | 9.5 | 9.9 | 9.7 | 10.1 | 9.7 | 8.7 | 2.8 | 979.7 |
| 95,0° | 8.7 | 8.2 | 8.7 | 8.4 | 7.4 | 7.8 | 8.2 | 7.8 | 8.2 | 8.0 | 7.6 | 2.5 | 982.2 |
| 97,5° | 7.4 | 7.4 | 7.4 | 7.0 | 6.6 | 6.6 | 7.0 | 6.6 | 6.8 | 6.8 | 6.5 | 2.2 | 984.4 |
| 100,0° | 6.6 | 6.3 | 6.3 | 6.3 | 5.9 | 5.9 | 5.9 | 5.7 | 5.7 | 5.7 | 5.7 | 2.0 | 986.4 |
| 102,5° | 5.9 | 5.5 | 5.5 | 5.5 | 5.1 | 5.1 | 5.1 | 4.9 | 4.9 | 4.9 | 4.9 | 1.8 | 988.2 |
| 105,0° | 5.1 | 4.9 | 4.9 | 4.7 | 4.6 | 4.4 | 4.4 | 4.4 | 4.4 | 4.2 | 3.8 | 1.6 | 989.8 |
| 107,5° | 4.7 | 4.4 | 4.4 | 4.0 | 4.0 | 3.8 | 3.6 | 3.4 | 3.4 | 3.6 | 3.4 | 1.4 | 991.2 |
| 110,0° | 4.4 | 3.6 | 3.8 | 3.6 | 3.6 | 3.4 | 3.4 | 3.4 | 3.4 | 3.2 | 3.4 | 1.3 | 992.5 |
| 112,5° | 4.0 | 3.6 | 3.6 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.2 | 3.4 | 1.3 | 993.8 |

Lichttechnischer Prüfbefund

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| Familie LATERNE CLASSIC LED | Bestell-Nr.: 5XA5245MF14HP EAN: 4058352834664 | LP-Nummer 58716_21 |
| 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° | 4.7 | 4.9 | 5.1 | 5.3 | 5.5 | 5.7 | 6.1 | 6.1 | 5.7 | 6.1 | 5.9 | 6.1 | 5.9 |
| 117,5° | 4.4 | 4.7 | 4.9 | 4.9 | 5.3 | 5.5 | 5.7 | 5.5 | 5.5 | 5.5 | 5.7 | 5.7 | 5.7 |
| 120,0° | 4.2 | 4.6 | 4.9 | 4.9 | 4.9 | 5.3 | 5.5 | 5.5 | 5.3 | 5.5 | 5.5 | 5.5 | 5.7 |
| 122,5° | 3.4 | 3.8 | 4.0 | 4.2 | 4.4 | 4.7 | 4.9 | 5.1 | 5.1 | 5.3 | 4.9 | 5.1 | 5.1 |
| 125,0° | 2.5 | 2.7 | 2.8 | 3.2 | 3.2 | 3.6 | 3.8 | 4.0 | 4.0 | 4.2 | 3.8 | 4.0 | 3.8 |
| 127,5° | 1.7 | 1.7 | 1.9 | 2.1 | 2.1 | 2.5 | 2.7 | 2.8 | 2.8 | 2.8 | 2.7 | 2.5 | 2.5 |
| 130,0° | 1.3 | 1.7 | 1.9 | 1.9 | 1.9 | 2.1 | 2.3 | 2.5 | 2.5 | 2.5 | 2.5 | 2.1 | 2.3 |
| 132,5° | 1.1 | 1.3 | 1.3 | 1.5 | 1.7 | 1.9 | 1.9 | 2.1 | 2.3 | 2.1 | 2.1 | 1.7 | 1.7 |
| 135,0° | 0.8 | 0.9 | 1.1 | 1.3 | 1.3 | 1.5 | 1.5 | 1.7 | 1.9 | 1.9 | 1.7 | 1.5 | 1.5 |
| 137,5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142,5° | 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 |
| 145,0° | 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 |
| 147,5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 CLASSIC LED | Bestell-Nr.: 5XA5245MF14HP EAN: 4058352834664 | LP-Nummer 58716_21 |
| | | 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° | 6.1 | 6.1 | 6.1 | 6.1 | 6.5 | 6.5 | 4.4 | 4.4 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 117,5° | 5.9 | 5.9 | 5.7 | 5.7 | 5.9 | 6.1 | 4.2 | 4.0 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 120,0° | 5.7 | 5.5 | 5.5 | 5.5 | 5.7 | 5.7 | 3.8 | 3.8 | 3.4 | 3.4 | 3.4 | 3.4 | 3.2 |
| 122,5° | 5.1 | 5.1 | 5.1 | 4.9 | 5.1 | 4.9 | 3.2 | 3.2 | 2.8 | 2.8 | 2.7 | 2.8 | 2.8 |
| 125,0° | 4.0 | 3.6 | 3.8 | 3.6 | 3.8 | 3.8 | 2.3 | 2.5 | 1.9 | 2.1 | 1.9 | 2.1 | 2.1 |
| 127,5° | 2.5 | 2.3 | 2.3 | 2.1 | 2.1 | 2.3 | 1.5 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 |
| 130,0° | 2.3 | 2.1 | 1.9 | 1.7 | 1.7 | 1.5 | 1.5 | 1.5 | 1.1 | 1.3 | 1.1 | 1.1 | 1.1 |
| 132,5° | 1.9 | 1.5 | 1.5 | 1.3 | 1.3 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.9 | 0.8 | 0.9 |
| 135,0° | 1.3 | 1.3 | 1.1 | 0.9 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 137,5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142,5° | 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 |
| 145,0° | 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 |
| 147,5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° | 3.6 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.2 | 3.2 | 3.2 | 3.2 | 3.4 | 1.2 | 995.0 |
| 117,5° | 3.4 | 3.0 | 3.2 | 3.2 | 3.2 | 3.4 | 3.2 | 3.0 | 3.2 | 3.2 | 3.4 | 1.1 | 996.1 |
| 120,0° | 3.2 | 3.0 | 3.0 | 3.0 | 3.0 | 3.2 | 3.2 | 3.0 | 3.2 | 3.4 | 3.4 | 1.0 | 997.1 |
| 122,5° | 2.8 | 2.3 | 2.7 | 2.5 | 2.7 | 2.8 | 2.8 | 2.7 | 3.0 | 3.4 | 3.4 | 0.9 | 998.0 |
| 125,0° | 1.9 | 1.7 | 1.9 | 1.9 | 2.1 | 2.3 | 2.5 | 2.3 | 2.7 | 3.0 | 3.0 | 0.7 | 998.6 |
| 127,5° | 1.5 | 1.3 | 1.5 | 1.5 | 1.7 | 1.9 | 2.3 | 2.3 | 2.5 | 3.0 | 3.0 | 0.5 | 999.1 |
| 130,0° | 1.1 | 0.9 | 1.3 | 1.5 | 1.7 | 1.9 | 2.3 | 2.3 | 2.5 | 2.8 | 3.0 | 0.4 | 999.5 |
| 132,5° | 0.9 | 0.9 | 1.1 | 0.9 | 1.3 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 0.3 | 999.8 |
| 135,0° | 0.8 | 0.8 | 0.9 | 0.9 | 1.3 | 1.3 | 1.7 | 1.9 | 2.1 | 2.5 | 2.7 | 0.2 | 1000.0 |
| 137,5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 140,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 142,5° | 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 |
| 145,0° | 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 |
| 147,5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 150,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 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 CLASSIC LED | Bestell-Nr.: 5XA5245MF14HP EAN: 4058352834664 | LP-Nummer 58716_21 |
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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 | 3800 | 33.6 | 35.9 | 34.8 |
| 95 | 241 | 252 | 3606 | 31.3 | 33.5 | 32.4 |
| 90 | 229 | 250 | 3426 | 29.4 | 31.4 | 30.4 |
| 85 | 216 | 248 | 3231 | 27.3 | 29.2 | 28.2 |
| 80 | 203 | 246 | 3037 | 25.4 | 27.1 | 26.2 |
| 75 | 190 | 243 | 2843 | 23.5 | 25.1 | 24.3 |
| 70 | 178 | 241 | 2663 | 21.9 | 23.3 | 22.6 |
| 65 | 165 | 238 | 2469 | 20.1 | 21.4 | 20.8 |
| 60 | 152 | 235 | 2274 | 18.4 | 19.5 | 19.0 |
| 55 | 140 | 232 | 2094 | 16.8 | 17.9 | 17.4 |
| 50 | 127 | 229 | 1900 | 15.2 | 16.2 | 15.7 |
| 45 | 114 | 225 | 1706 | 13.6 | 14.5 | 14.0 |
| 40 | 102 | 221 | 1526 | 12.2 | 13.0 | 12.6 |
| 35 | 89 | 216 | 1331 | 10.7 | 11.3 | 11.0 |
| 30 | 76 | 210 | 1137 | 9.2 | 9.7 | 9.4 |
| 25 | 63 | 203 | 943 | 7.8 | 8.2 | 8.0 |
| 20 | 51 | 195 | 763 | 6.6 | 6.9 | 6.8 |
| 15 | 38 | 184 | 569 | 5.2 | 5.5 | 5.4 |
| 11 | 28 | 173 | 419 | 4.1 | 4.4 | 4.2 |