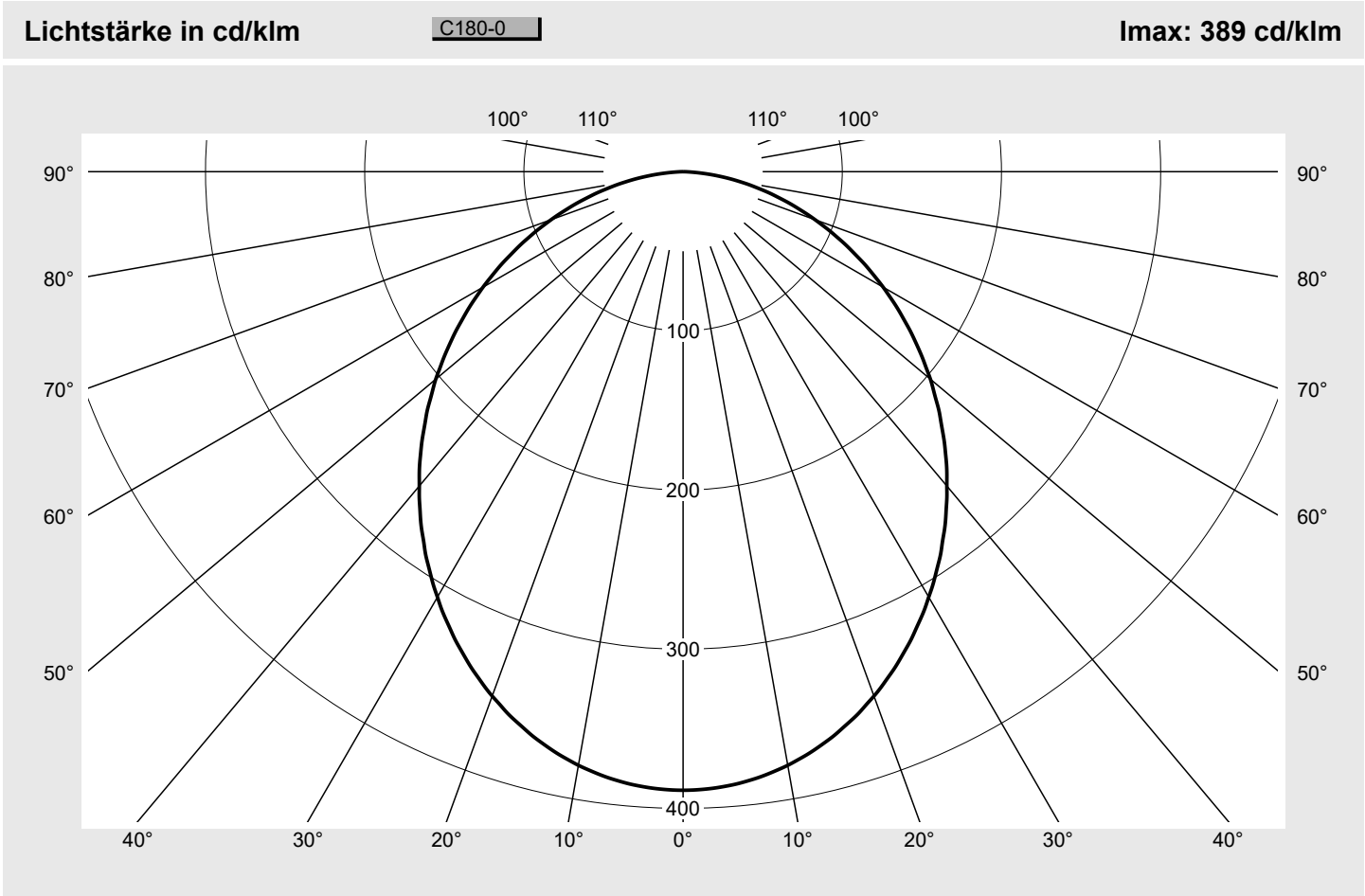


Lichttechnischer Prüfbefund

|                                                                                                                                     |                                                                                                  |                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Familie</div> <div>Lunis 21</div> <div></div> | <div>Bestell-Nr.: 51DB16EA91C</div> <div>EAN: 4069025013323</div>                                | <div>LP-Nummer</div> <div>59574_12</div>                                                                                                                                                                                                |
|                                                                                                                                     | <div>Ausführung</div>                                                                            | <div>Einbauleuchte, Abdeckung opal, PMMA, diffus strahlend, einstellbare Farbtemperatur: 3000K   4000K   6500K</div>                                                                                                                    |
|                                                                                                                                     | <div>Bestückung</div> <div>Betriebsgerät</div> <div>Einstellung</div> <div>Bemessungswerte</div> | <div>LED 6500 K   CRI ≥ 80</div> <div>EVG-Multilumen</div> <div>indiv. Einstellung: DIP-Stufe=1, Farbtemperatur 6500K</div> <div>Nettolichtstrom = 760 lm</div> <div>Systemleistung = 6.0 W</div> <div>Lichtausbeute = 126.7 lm/W</div> |
|                                                                                                                                     |                                                                                                  | <div>Seriendokumentation</div> <div>02.10.2024</div>                                                                                                                                                                                    |
| <div>siteco</div>                                                                                                                   |                                                                                                  |                                                                                                                                                                                                                                         |



|                   |                   |                               |        |
|-------------------|-------------------|-------------------------------|--------|
| Klassifizierungen |                   | Leuchtenbetriebswirkungsgrade |        |
| DIN 5040          | A 4 0             | $\eta_{LB}$                   | 100,0% |
| CIE               | N1=50 N2=80 N3=96 | $\phi_u$                      | 100,0% |
|                   | N4=100 N5=100     | $\phi_o$                      | 0,0%   |

|                           |
|---------------------------|
| Messbedingungen           |
| DIN EN 13032 und DIN 5032 |

Lichttechnischer Prüfbefund

|                                                                            |                                                                   |                                          |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------|
| <div>Familie</div> <div>Lunis 21</div>                                     | <div>Bestell-Nr.: 51DB16EA91C</div> <div>EAN: 4069025013323</div> | <div>LP-Nummer</div> <div>59574_12</div> |
| <div>Wertetabelle Lichtstärkemessung</div> <div>Maximale Lichtstärke</div> |                                                                   | <div>siteco</div>                        |

| C-Ebenen | 0°                    | Phi-Zone             | Summe Phi-Zone |
|----------|-----------------------|----------------------|----------------|
| γ        | Lichtstärke in cd/klm | Lichtstrom in lm/klm |                |
| 0°       | 388.6                 | 0.1                  | 0.1            |
| 1°       | 388.5                 | 0.7                  | 0.8            |
| 2°       | 388.2                 | 1.5                  | 2.3            |
| 3°       | 387.7                 | 2.2                  | 4.5            |
| 4°       | 387.0                 | 3.0                  | 7.5            |
| 5°       | 386.1                 | 3.7                  | 11.2           |
| 6°       | 385.0                 | 4.4                  | 15.6           |
| 7°       | 383.7                 | 5.1                  | 20.7           |
| 8°       | 382.2                 | 5.8                  | 26.6           |
| 9°       | 380.5                 | 6.5                  | 33.1           |
| 10°      | 378.7                 | 7.2                  | 40.3           |
| 11°      | 376.6                 | 7.9                  | 48.2           |
| 12°      | 374.4                 | 8.5                  | 56.7           |
| 13°      | 372.0                 | 9.2                  | 65.9           |
| 14°      | 369.4                 | 9.8                  | 75.7           |
| 15°      | 366.7                 | 10.4                 | 86.1           |
| 16°      | 363.6                 | 11.0                 | 97.1           |
| 17°      | 360.6                 | 11.6                 | 108.7          |
| 18°      | 357.5                 | 12.1                 | 120.8          |
| 19°      | 353.9                 | 12.6                 | 133.4          |
| 20°      | 350.6                 | 13.1                 | 146.6          |
| 21°      | 347.0                 | 13.6                 | 160.2          |
| 22°      | 343.1                 | 14.1                 | 174.3          |
| 23°      | 339.3                 | 14.5                 | 188.8          |
| 24°      | 335.2                 | 14.9                 | 203.8          |
| 25°      | 331.0                 | 15.3                 | 219.1          |
| 26°      | 326.9                 | 15.7                 | 234.8          |
| 27°      | 322.3                 | 16.0                 | 250.9          |
| 28°      | 317.9                 | 16.4                 | 267.2          |
| 29°      | 313.5                 | 16.7                 | 283.9          |
| 30°      | 308.6                 | 16.9                 | 300.8          |
| 31°      | 304.0                 | 17.2                 | 318.0          |
| 32°      | 299.1                 | 17.4                 | 335.4          |
| 33°      | 294.2                 | 17.6                 | 353.0          |
| 34°      | 289.4                 | 17.7                 | 370.7          |
| 35°      | 284.0                 | 17.9                 | 388.6          |
| 36°      | 279.1                 | 18.0                 | 406.6          |
| 37°      | 274.0                 | 18.1                 | 424.6          |
| 38°      | 268.5                 | 18.1                 | 442.8          |
| 39°      | 263.3                 | 18.2                 | 460.9          |
| 40°      | 257.8                 | 18.2                 | 479.1          |
| 41°      | 252.6                 | 18.2                 | 497.3          |
| 42°      | 247.3                 | 18.1                 | 515.4          |
| 43°      | 241.7                 | 18.1                 | 533.5          |
| 44°      | 236.3                 | 18.0                 | 551.5          |
| 45°      | 230.5                 | 17.9                 | 569.4          |
| 46°      | 225.0                 | 17.7                 | 587.1          |

| C-Ebenen | 0°                    | Phi-Zone             | Summe Phi-Zone |
|----------|-----------------------|----------------------|----------------|
| γ        | Lichtstärke in cd/klm | Lichtstrom in lm/klm |                |
| 47°      | 219.7                 | 17.6                 | 604.8          |
| 48°      | 213.7                 | 17.4                 | 622.2          |
| 49°      | 208.2                 | 17.2                 | 639.4          |
| 50°      | 202.8                 | 17.0                 | 656.4          |
| 51°      | 196.8                 | 16.8                 | 673.2          |
| 52°      | 191.2                 | 16.5                 | 689.7          |
| 53°      | 185.4                 | 16.2                 | 706.0          |
| 54°      | 179.7                 | 15.9                 | 721.9          |
| 55°      | 174.1                 | 15.6                 | 737.5          |
| 56°      | 168.1                 | 15.3                 | 752.8          |
| 57°      | 162.4                 | 14.9                 | 767.8          |
| 58°      | 156.7                 | 14.6                 | 782.3          |
| 59°      | 150.8                 | 14.2                 | 796.5          |
| 60°      | 145.1                 | 13.8                 | 810.3          |
| 61°      | 139.2                 | 13.4                 | 823.7          |
| 62°      | 133.5                 | 12.9                 | 836.6          |
| 63°      | 127.9                 | 12.5                 | 849.1          |
| 64°      | 121.9                 | 12.0                 | 861.1          |
| 65°      | 116.3                 | 11.6                 | 872.6          |
| 66°      | 110.7                 | 11.1                 | 883.7          |
| 67°      | 104.9                 | 10.6                 | 894.3          |
| 68°      | 99.4                  | 10.1                 | 904.4          |
| 69°      | 93.7                  | 9.6                  | 914.0          |
| 70°      | 88.2                  | 9.1                  | 923.1          |
| 71°      | 82.8                  | 8.6                  | 931.7          |
| 72°      | 77.2                  | 8.1                  | 939.8          |
| 73°      | 72.1                  | 7.6                  | 947.3          |
| 74°      | 66.7                  | 7.0                  | 954.3          |
| 75°      | 61.3                  | 6.5                  | 960.8          |
| 76°      | 56.5                  | 6.0                  | 966.8          |
| 77°      | 51.1                  | 5.5                  | 972.3          |
| 78°      | 46.1                  | 4.9                  | 977.3          |
| 79°      | 41.4                  | 4.5                  | 981.7          |
| 80°      | 36.4                  | 3.9                  | 985.6          |
| 81°      | 31.8                  | 3.4                  | 989.1          |
| 82°      | 27.0                  | 2.9                  | 992.0          |
| 83°      | 22.3                  | 2.4                  | 994.4          |
| 84°      | 17.9                  | 2.0                  | 996.4          |
| 85°      | 13.4                  | 1.5                  | 997.9          |
| 86°      | 9.3                   | 1.0                  | 998.9          |
| 87°      | 5.5                   | 0.6                  | 999.5          |
| 88°      | 2.7                   | 0.3                  | 999.8          |
| 89°      | 1.6                   | 0.2                  | 1000.0         |
| 90°      | 0.9                   | 0.1                  | 1000.0         |

Lichttechnischer Prüfbefund

|                      |     |                                     |                                                |      |      |      |                                       |      |                       |      |      |
|----------------------|-----|-------------------------------------|------------------------------------------------|------|------|------|---------------------------------------|------|-----------------------|------|------|
| Familie<br>Lunis 21  |     |                                     | Bestell-Nr.: 51DB16EA91C<br>EAN: 4069025013323 |      |      |      |                                       |      | LP-Nummer<br>59574_12 |      |      |
| UGR-Tabelle          |     |                                     | Standardraum                                   |      |      |      |                                       |      | siteco                |      |      |
| Reflexionsgrad Decke |     | 0,7                                 | 0,7                                            | 0,5  | 0,5  | 0,3  | 0,7                                   | 0,7  | 0,5                   | 0,5  | 0,3  |
| Reflexionsgrad Wände |     | 0,5                                 | 0,3                                            | 0,5  | 0,3  | 0,3  | 0,5                                   | 0,3  | 0,5                   | 0,3  | 0,3  |
| Reflexionsgrad Boden |     | 0,2                                 | 0,2                                            | 0,2  | 0,2  | 0,2  | 0,2                                   | 0,2  | 0,2                   | 0,2  | 0,2  |
| Raumabmessungen      |     | Blickrichtung quer zur Leuchte (C0) |                                                |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |                       |      |      |
| x                    | y   |                                     |                                                |      |      |      |                                       |      |                       |      |      |
| 2H                   | 2H  | 27,9                                | 29,6                                           | 28,3 | 29,9 | 30,2 | 27,9                                  | 29,6 | 28,3                  | 29,9 | 30,2 |
|                      | 3H  | 29,4                                | 30,9                                           | 29,8 | 31,3 | 31,6 | 29,4                                  | 30,9 | 29,8                  | 31,3 | 31,6 |
|                      | 4H  | 30,1                                | 31,5                                           | 30,4 | 31,8 | 32,2 | 30,1                                  | 31,5 | 30,4                  | 31,8 | 32,2 |
|                      | 6H  | 30,5                                | 31,8                                           | 30,9 | 32,2 | 32,6 | 30,5                                  | 31,8 | 30,9                  | 32,2 | 32,6 |
|                      | 8H  | 30,7                                | 31,9                                           | 31,1 | 32,3 | 32,7 | 30,7                                  | 31,9 | 31,1                  | 32,3 | 32,7 |
|                      | 12H | 30,8                                | 31,9                                           | 31,2 | 32,3 | 32,7 | 30,8                                  | 31,9 | 31,2                  | 32,3 | 32,7 |
| 4H                   | 2H  | 28,6                                | 30,1                                           | 29,0 | 30,4 | 30,8 | 28,6                                  | 30,1 | 29,0                  | 30,4 | 30,8 |
|                      | 3H  | 30,4                                | 31,5                                           | 30,8 | 31,9 | 32,3 | 30,4                                  | 31,5 | 30,8                  | 31,9 | 32,3 |
|                      | 4H  | 31,1                                | 32,2                                           | 31,5 | 32,6 | 33,0 | 31,1                                  | 32,2 | 31,5                  | 32,6 | 33,0 |
|                      | 6H  | 31,6                                | 32,6                                           | 32,1 | 33,0 | 33,5 | 31,6                                  | 32,6 | 32,1                  | 33,0 | 33,5 |
|                      | 8H  | 31,8                                | 32,7                                           | 32,3 | 33,1 | 33,6 | 31,8                                  | 32,7 | 32,3                  | 33,1 | 33,6 |
|                      | 12H | 32,0                                | 32,7                                           | 32,5 | 33,2 | 33,7 | 32,0                                  | 32,7 | 32,5                  | 33,2 | 33,7 |
| 8H                   | 4H  | 31,4                                | 32,3                                           | 31,9 | 32,7 | 33,2 | 31,4                                  | 32,3 | 31,9                  | 32,7 | 33,2 |
|                      | 6H  | 32,1                                | 32,8                                           | 32,6 | 33,3 | 33,8 | 32,1                                  | 32,8 | 32,6                  | 33,3 | 33,8 |
|                      | 8H  | 32,3                                | 33,0                                           | 32,8 | 33,5 | 34,0 | 32,3                                  | 33,0 | 32,8                  | 33,5 | 34,0 |
|                      | 12H | 32,5                                | 33,1                                           | 33,0 | 33,6 | 34,1 | 32,5                                  | 33,1 | 33,0                  | 33,6 | 34,1 |
| 12H                  | 4H  | 31,5                                | 32,2                                           | 31,9 | 32,7 | 33,2 | 31,5                                  | 32,2 | 31,9                  | 32,7 | 33,2 |
|                      | 6H  | 32,2                                | 32,8                                           | 32,7 | 33,3 | 33,8 | 32,2                                  | 32,8 | 32,7                  | 33,3 | 33,8 |
|                      | 8H  | 32,5                                | 33,0                                           | 33,0 | 33,5 | 34,0 | 32,5                                  | 33,0 | 33,0                  | 33,5 | 34,0 |

|                       |                       |                                 |                                              |
|-----------------------|-----------------------|---------------------------------|----------------------------------------------|
| Leuchtdichten-Tabelle |                       | Max. für $\gamma \geq 65^\circ$ | Lichttechnische<br>Abmessungen in mm: D = 57 |
| C-<br>Ebenen          | 0°                    |                                 |                                              |
| $\gamma$              | Leuchtdichte in cd/m² |                                 |                                              |
| 45°                   | 97093.9               |                                 |                                              |
| 50°                   | 93976.5               |                                 |                                              |
| 55°                   | 90380.9               |                                 |                                              |
| 60°                   | 86457.0               |                                 |                                              |
| 65°                   | 81931.8               |                                 |                                              |
| 70°                   | 76807.9               |                                 |                                              |
| 75°                   | 70541.6               |                                 |                                              |
| 80°                   | 62357.9               |                                 |                                              |
| 85°                   | 45719.5               |                                 |                                              |

Lichttechnischer Prüfbefund

**Familie**  
**Lunis 21**

**Bestell-Nr.: 51DB16EA91C**  
**EAN: 4069025013323**

**LP-Nummer**  
**59574\_12**

**Leuchtdichten in cd/m²**

γ 65°

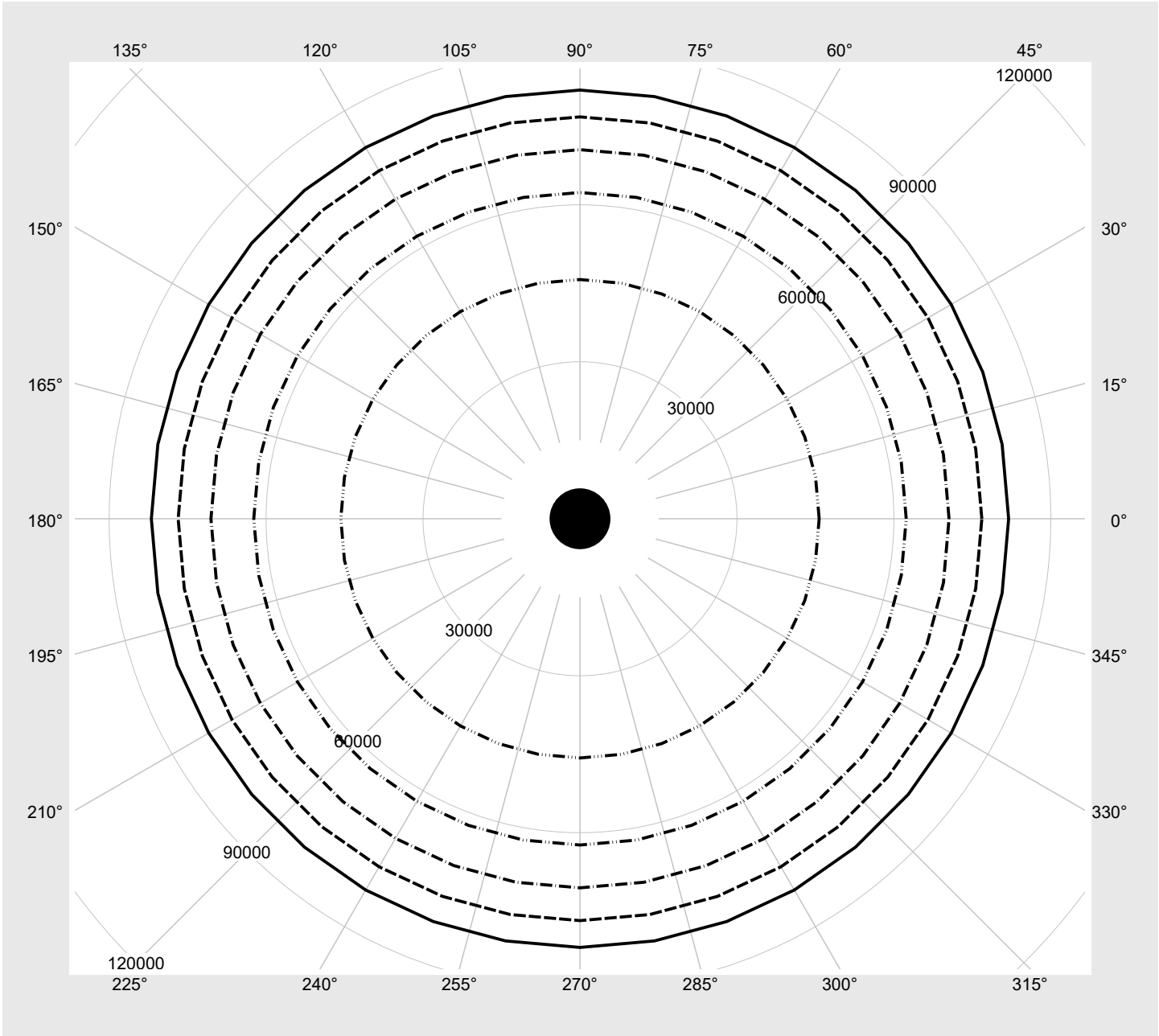
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Lichttechnischer Prüfbefund

|                                                        |                                                              |                                     |
|--------------------------------------------------------|--------------------------------------------------------------|-------------------------------------|
| <b>Familie</b><br><b>Lunis 21</b>                      | <b>Bestell-Nr.: 51DB16EA91C</b><br><b>EAN: 4069025013323</b> | <b>LP-Nummer</b><br><b>59574_12</b> |
| <b>Multilumen-Tabelle</b><br>Umgebungstemperatur: 25°C |                                                              | <b>siteco</b>                       |

| DIP-Stufe | Schalterstellung |     |     |     | Lichtstrom<br>[lm] | Systemleistung<br>[W] |
|-----------|------------------|-----|-----|-----|--------------------|-----------------------|
|           | 1                | 2   | 3   | 4   |                    |                       |
| 2         | OFF              | OFF | ON  | OFF | 1000               | 8.0                   |
| 1         | OFF              | OFF | OFF | ON  | 760                | 6.0                   |
| 0         | OFF              | OFF | OFF | OFF | 550                | 4.4                   |