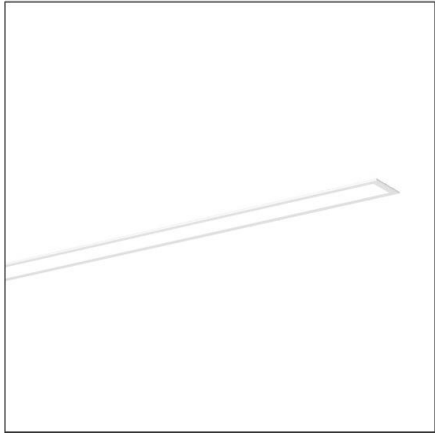
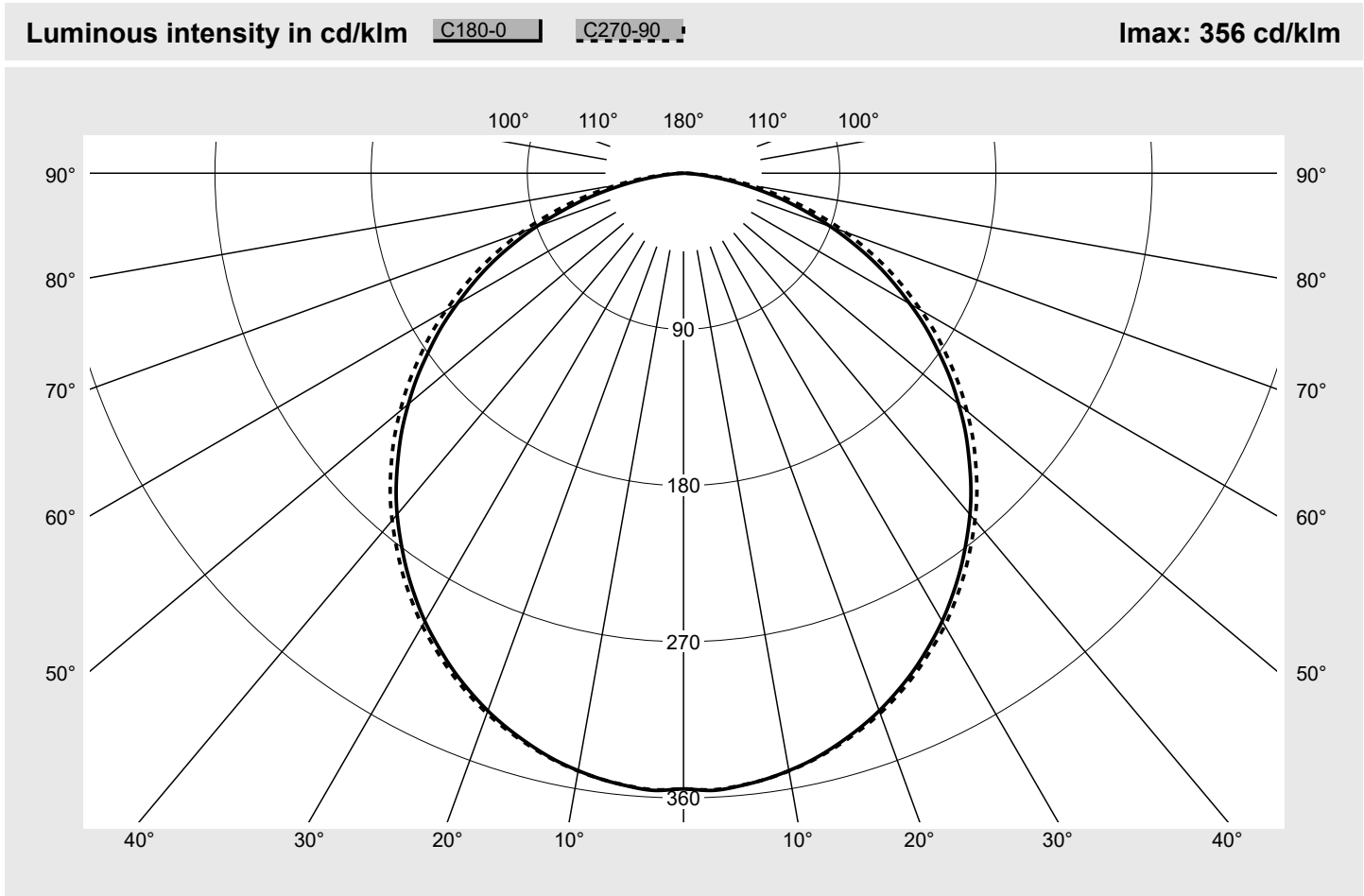


Photometric test report

|                                                                                  |                                                                |                                                                                                                  |
|----------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Family</b><br><b>Silica® 21</b>                                               | <b>Order number: 51MX10DA42WB</b><br><b>EAN: 4058352898482</b> | <b>LP number</b><br><b>60289_80</b>                                                                              |
|  | <b>Version</b>                                                 | recessed luminaire, with homogeneous illumination, cover, opal, direct distribution, extremely wide distribution |
|                                                                                  | <b>Lamps</b>                                                   | LED 4000 K   CRI ≥ 80                                                                                            |
|                                                                                  | <b>Controlgear</b>                                             | ECG-DALI                                                                                                         |
|                                                                                  | <b>Rated values</b>                                            | Net luminous flux = 2400 lm<br>Power consumption = 15.2 W<br>Luminous efficacy = 157.9 lm/W                      |
|                                                                                  |                                                                | <b>serial documentation</b><br><b>23.06.2026</b>                                                                 |
|                                                                                  |                                                                | <b>siteco</b>                                                                                                    |



| Classifications |                   | Luminaire light output ratios |        |
|-----------------|-------------------|-------------------------------|--------|
| DIN 5040        | A 4 0             | $\eta_{LB}$                   | 100.0% |
| CIE             | N1=48 N2=79 N3=96 | $\phi_u$                      | 100.0% |
|                 | N4=100 N5=100     | $\phi_o$                      | 0.0%   |

| Measurement conditions    |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

Photometric test report

|                                          |                                                  |                            |
|------------------------------------------|--------------------------------------------------|----------------------------|
| Family<br>Silica® 21                     | Order number: 51MX10DA42WB<br>EAN: 4058352898482 | LP number<br>60289_80      |
| Table of values for luminous intensities |                                                  | Maximum luminous intensity |
|                                          |                                                  | siteco                     |

| C-<br>planes | 0°<br>180°                   | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-zone                | Total<br>Phi-zone |
|--------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|-------------------------|-------------------|
| γ            | Luminous intensity in cd/klm |                             |                             |                             |                             |                             |             | Luminous flux in lm/klm |                   |
| 0,0°         | 354.8                        | 354.8                       | 354.8                       | 354.8                       | 354.8                       | 354.8                       | 354.8       | 0.5                     | 0.5               |
| 2,5°         | 356.1                        | 354.8                       | 352.5                       | 354.0                       | 355.5                       | 355.5                       | 355.7       | 4.2                     | 4.8               |
| 5,0°         | 354.8                        | 353.6                       | 351.3                       | 352.8                       | 354.4                       | 354.3                       | 354.5       | 8.4                     | 13.2              |
| 7,5°         | 352.6                        | 351.6                       | 349.3                       | 350.8                       | 352.4                       | 352.4                       | 352.6       | 12.6                    | 25.8              |
| 10,0°        | 349.6                        | 348.7                       | 346.4                       | 347.9                       | 349.6                       | 349.5                       | 349.8       | 16.6                    | 42.4              |
| 12,5°        | 345.9                        | 345.1                       | 342.8                       | 344.3                       | 346.0                       | 346.1                       | 346.3       | 20.5                    | 62.9              |
| 15,0°        | 341.1                        | 340.5                       | 338.2                       | 339.7                       | 341.5                       | 341.5                       | 341.8       | 24.2                    | 87.0              |
| 17,5°        | 335.7                        | 335.3                       | 333.0                       | 334.5                       | 336.3                       | 336.5                       | 336.8       | 27.6                    | 114.7             |
| 20,0°        | 329.7                        | 329.5                       | 327.3                       | 328.8                       | 330.6                       | 330.8                       | 331.2       | 30.9                    | 145.6             |
| 22,5°        | 322.7                        | 322.7                       | 320.5                       | 321.8                       | 323.8                       | 324.1                       | 324.6       | 33.9                    | 179.4             |
| 25,0°        | 315.2                        | 315.4                       | 313.2                       | 314.5                       | 316.5                       | 316.9                       | 317.4       | 36.5                    | 216.0             |
| 27,5°        | 306.8                        | 307.2                       | 305.0                       | 306.3                       | 308.3                       | 308.8                       | 309.3       | 38.9                    | 254.9             |
| 30,0°        | 298.1                        | 298.7                       | 296.7                       | 297.9                       | 300.0                       | 300.4                       | 301.1       | 41.0                    | 295.8             |
| 32,5°        | 288.4                        | 289.2                       | 287.3                       | 288.3                       | 290.3                       | 291.0                       | 291.7       | 42.6                    | 338.5             |
| 35,0°        | 278.3                        | 279.3                       | 277.6                       | 278.6                       | 280.5                       | 281.2                       | 282.0       | 44.0                    | 382.4             |
| 37,5°        | 267.6                        | 268.7                       | 267.4                       | 268.1                       | 269.9                       | 270.9                       | 271.7       | 44.9                    | 427.3             |
| 40,0°        | 256.7                        | 257.8                       | 256.8                       | 257.2                       | 259.2                       | 260.2                       | 261.2       | 45.5                    | 472.8             |
| 42,5°        | 245.1                        | 246.2                       | 245.5                       | 245.9                       | 247.7                       | 248.9                       | 250.2       | 45.7                    | 518.6             |
| 45,0°        | 232.6                        | 233.7                       | 233.4                       | 233.7                       | 235.5                       | 236.5                       | 238.2       | 45.5                    | 564.1             |
| 47,5°        | 220.2                        | 221.3                       | 221.5                       | 221.8                       | 223.4                       | 224.3                       | 226.1       | 45.0                    | 609.1             |
| 50,0°        | 206.9                        | 207.8                       | 208.6                       | 208.9                       | 210.4                       | 211.2                       | 213.1       | 44.0                    | 653.1             |
| 52,5°        | 193.6                        | 194.4                       | 195.5                       | 195.9                       | 197.4                       | 198.1                       | 200.0       | 42.7                    | 695.8             |
| 55,0°        | 179.3                        | 180.3                       | 181.6                       | 182.1                       | 183.6                       | 184.1                       | 186.0       | 41.0                    | 736.7             |
| 57,5°        | 165.5                        | 166.5                       | 167.9                       | 168.6                       | 170.2                       | 170.7                       | 172.6       | 39.0                    | 775.8             |
| 60,0°        | 150.7                        | 151.9                       | 153.3                       | 154.2                       | 155.7                       | 156.4                       | 157.9       | 36.6                    | 812.4             |
| 62,5°        | 136.1                        | 137.6                       | 139.1                       | 140.1                       | 141.6                       | 142.5                       | 143.6       | 34.1                    | 846.5             |
| 65,0°        | 121.4                        | 123.0                       | 124.5                       | 125.7                       | 127.6                       | 128.3                       | 129.2       | 31.2                    | 877.7             |
| 67,5°        | 105.8                        | 107.6                       | 108.8                       | 110.4                       | 112.5                       | 113.4                       | 114.1       | 28.0                    | 905.7             |
| 70,0°        | 90.4                         | 92.3                        | 93.2                        | 95.3                        | 97.3                        | 98.6                        | 99.1        | 24.5                    | 930.2             |
| 72,5°        | 74.6                         | 76.3                        | 77.1                        | 79.6                        | 81.4                        | 83.0                        | 83.4        | 20.8                    | 951.0             |
| 75,0°        | 59.7                         | 61.0                        | 61.9                        | 64.2                        | 66.4                        | 67.9                        | 68.3        | 17.0                    | 968.0             |
| 77,5°        | 44.5                         | 45.5                        | 46.7                        | 48.5                        | 50.7                        | 52.4                        | 53.0        | 13.0                    | 981.0             |
| 80,0°        | 30.9                         | 31.6                        | 32.8                        | 34.2                        | 36.1                        | 37.8                        | 38.5        | 9.3                     | 990.3             |
| 82,5°        | 18.3                         | 18.8                        | 19.8                        | 20.9                        | 22.6                        | 24.0                        | 24.6        | 5.8                     | 996.1             |
| 85,0°        | 8.6                          | 8.8                         | 9.5                         | 10.4                        | 11.4                        | 12.6                        | 13.2        | 2.9                     | 999.0             |
| 87,5°        | 2.4                          | 2.6                         | 2.9                         | 3.4                         | 4.1                         | 4.7                         | 5.1         | 1.0                     | 1000.0            |
| 90,0°        | 0.0                          | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0         | 0.0                     | 1000.0            |

Photometric test report

|                      |                                                  |                       |
|----------------------|--------------------------------------------------|-----------------------|
| Family<br>Silica® 21 | Order number: 51MX10DA42WB<br>EAN: 4058352898482 | LP number<br>60289_80 |
| UGR-Table            | Standard room                                    | siteco                |

|                              |     |                     |      |      |      |      |                    |      |      |      |      |
|------------------------------|-----|---------------------|------|------|------|------|--------------------|------|------|------|------|
| Reflection factor of ceiling | 0.7 | 0.7                 | 0.5  | 0.5  | 0.3  | 0.7  | 0.7                | 0.5  | 0.5  | 0.3  |      |
| Reflection factor of walls   | 0.5 | 0.3                 | 0.5  | 0.3  | 0.3  | 0.5  | 0.3                | 0.5  | 0.3  | 0.3  |      |
| Reflection factor of floor   | 0.2 | 0.2                 | 0.2  | 0.2  | 0.2  | 0.2  | 0.2                | 0.2  | 0.2  | 0.2  |      |
| Room dimensions              |     | View crosswise (C0) |      |      |      |      | View endwise (C90) |      |      |      |      |
| x                            | y   |                     |      |      |      |      |                    |      |      |      |      |
| 2H                           | 2H  | 21.2                | 22.8 | 21.5 | 23.2 | 23.5 | 21.3               | 23.0 | 21.7 | 23.3 | 23.6 |
|                              | 3H  | 22.7                | 24.2 | 23.1 | 24.6 | 24.9 | 23.0               | 24.5 | 23.4 | 24.8 | 25.2 |
|                              | 4H  | 23.3                | 24.7 | 23.7 | 25.0 | 25.4 | 23.6               | 25.1 | 24.0 | 25.4 | 25.8 |
|                              | 6H  | 23.6                | 24.9 | 24.0 | 25.3 | 25.7 | 24.1               | 25.4 | 24.5 | 25.8 | 26.2 |
|                              | 8H  | 23.7                | 25.0 | 24.1 | 25.3 | 25.7 | 24.2               | 25.5 | 24.7 | 25.9 | 26.3 |
|                              | 12H | 23.7                | 24.9 | 24.2 | 25.3 | 25.7 | 24.3               | 25.5 | 24.7 | 25.9 | 26.3 |
| 4H                           | 2H  | 21.9                | 23.4 | 22.3 | 23.7 | 24.1 | 22.1               | 23.5 | 22.5 | 23.9 | 24.2 |
|                              | 3H  | 23.7                | 24.9 | 24.1 | 25.3 | 25.7 | 23.9               | 25.1 | 24.3 | 25.5 | 25.9 |
|                              | 4H  | 24.3                | 25.4 | 24.8 | 25.8 | 26.3 | 24.7               | 25.8 | 25.1 | 26.2 | 26.6 |
|                              | 6H  | 24.8                | 25.7 | 25.2 | 26.1 | 26.6 | 25.2               | 26.2 | 25.7 | 26.6 | 27.1 |
|                              | 8H  | 24.9                | 25.7 | 25.3 | 26.2 | 26.7 | 25.4               | 26.3 | 25.9 | 26.7 | 27.2 |
|                              | 12H | 24.9                | 25.7 | 25.4 | 26.2 | 26.7 | 25.5               | 26.3 | 26.0 | 26.7 | 27.2 |
| 8H                           | 4H  | 24.7                | 25.5 | 25.1 | 26.0 | 26.4 | 25.0               | 25.8 | 25.4 | 26.3 | 26.7 |
|                              | 6H  | 25.2                | 25.9 | 25.7 | 26.4 | 26.9 | 25.6               | 26.3 | 26.1 | 26.8 | 27.3 |
|                              | 8H  | 25.3                | 26.0 | 25.8 | 26.4 | 27.0 | 25.8               | 26.5 | 26.3 | 26.9 | 27.5 |
|                              | 12H | 25.4                | 25.9 | 25.9 | 26.4 | 27.0 | 26.0               | 26.5 | 26.5 | 27.0 | 27.5 |
| 12H                          | 4H  | 24.7                | 25.5 | 25.2 | 25.9 | 26.4 | 25.0               | 25.8 | 25.5 | 26.2 | 26.7 |
|                              | 6H  | 25.3                | 25.9 | 25.8 | 26.4 | 26.9 | 25.7               | 26.3 | 26.2 | 26.8 | 27.3 |
|                              | 8H  | 25.4                | 26.0 | 25.9 | 26.4 | 27.0 | 25.9               | 26.4 | 26.4 | 26.9 | 27.5 |

| Luminance table |                    | Max. for $\gamma \geq 65^\circ$ |                             | Photometric dimensions in mm: |                             | L = 1200<br>B = 50          |             |
|-----------------|--------------------|---------------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-------------|
| C-planes        | 0°<br>180°         | 15°<br>165°<br>195°<br>345°     | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315°   | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° |
| $\gamma$        | Luminance in cd/m² |                                 |                             |                               |                             |                             |             |
| 45,0°           | 13160.1            | 13222.6                         | 13203.5                     | 13219.7                       | 13323.3                     | 13379.9                     | 13476.2     |
| 50,0°           | 12877.6            | 12934.2                         | 12979.5                     | 13000.5                       | 13092.7                     | 13144.4                     | 13262.5     |
| 55,0°           | 12506.8            | 12573.9                         | 12661.7                     | 12698.0                       | 12802.2                     | 12841.2                     | 12974.4     |
| 60,0°           | 12052.0            | 12151.8                         | 12263.0                     | 12334.7                       | 12457.4                     | 12509.4                     | 12634.1     |
| 65,0°           | 11491.6            | 11642.8                         | 11786.7                     | 11895.0                       | 12077.0                     | 12141.0                     | 12231.9     |
| 70,0°           | 10576.8            | 10798.7                         | 10901.9                     | 11143.6                       | 11385.2                     | 11526.6                     | 11585.8     |
| 75,0°           | 9225.4             | 9420.3                          | 9562.8                      | 9920.3                        | 10261.7                     | 10492.7                     | 10555.0     |
| 80,0°           | 7111.6             | 7282.3                          | 7551.8                      | 7875.0                        | 8326.7                      | 8713.0                      | 8865.5      |
| 85,0°           | 3924.0             | 4055.3                          | 4347.2                      | 4770.8                        | 5242.1                      | 5790.6                      | 6058.6      |

Photometric test report

Family  
Silica® 21

Order number: 51MX10DA42WB  
EAN: 4058352898482

LP number  
60289\_80

Luminance values in cd/m²

γ 65°

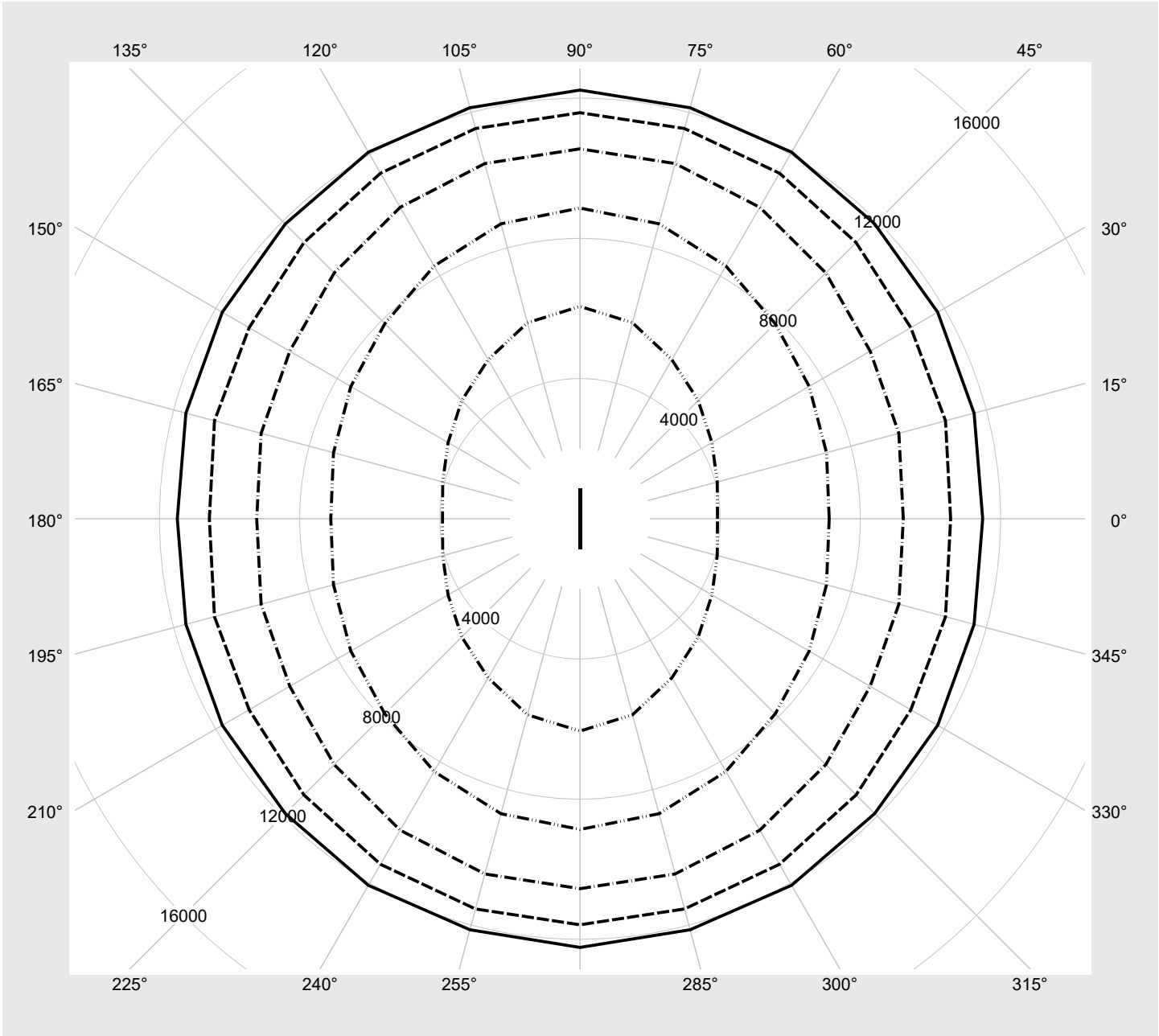
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

|                      |                                                  |                                 |
|----------------------|--------------------------------------------------|---------------------------------|
| Family<br>Silica® 21 | Order number: 51MX10DA42WB<br>EAN: 4058352898482 | LP number<br>60289_80           |
| Dimming levels table |                                                  | environmental temperature: 25°C |

siteco

| Luminous flux<br>[%] | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W] |
|----------------------|-------------------------|------------------------------|-----------------------|--------------------------|
| 100                  | 254                     | 254                          | 2400                  | 15.2                     |
| 95                   | 241                     | 252                          | 2280                  | 14.4                     |
| 90                   | 228                     | 250                          | 2160                  | 13.7                     |
| 85                   | 215                     | 248                          | 2040                  | 12.9                     |
| 80                   | 202                     | 246                          | 1919                  | 12.1                     |
| 75                   | 189                     | 243                          | 1798                  | 11.4                     |
| 70                   | 176                     | 241                          | 1676                  | 10.6                     |
| 65                   | 164                     | 238                          | 1564                  | 10.0                     |
| 60                   | 151                     | 235                          | 1442                  | 9.2                      |
| 55                   | 138                     | 232                          | 1319                  | 8.5                      |
| 50                   | 125                     | 228                          | 1195                  | 7.8                      |
| 45                   | 113                     | 224                          | 1082                  | 7.1                      |
| 40                   | 100                     | 220                          | 958                   | 6.4                      |
| 35                   | 88                      | 215                          | 843                   | 5.8                      |
| 30                   | 75                      | 209                          | 718                   | 5.0                      |
| 25                   | 63                      | 203                          | 602                   | 4.4                      |
| 20                   | 50                      | 194                          | 477                   | 3.6                      |
| 15                   | 38                      | 184                          | 360                   | 3.0                      |
| 10                   | 26                      | 171                          | 244                   | 2.2                      |
| 5                    | 14                      | 148                          | 128                   | 1.3                      |