

## Photometric test report

### Family Streetlight 10 mini LED



**Order number: 5XA5811E1A08**  
**EAN: 4050737071145**

**LP number**  
**53299\_1**

**Version** post-top / side entry mounting  
**Reflector** 1 LED module with road optic  
**Cover** cover, transparent  
**Lamps** 1 x LED 3000K / CRI >= 80  
 Net luminous = 2850 lm  
**Electr. supply** ECG Basic  
 Power consumption = 51 W  
 Luminous efficacy = 55.9 lm/W

**series documentation**  
**02.05.2013**

**siteco**  
AN OSRAM BUSINESS

### Luminous intensity in cd/klm

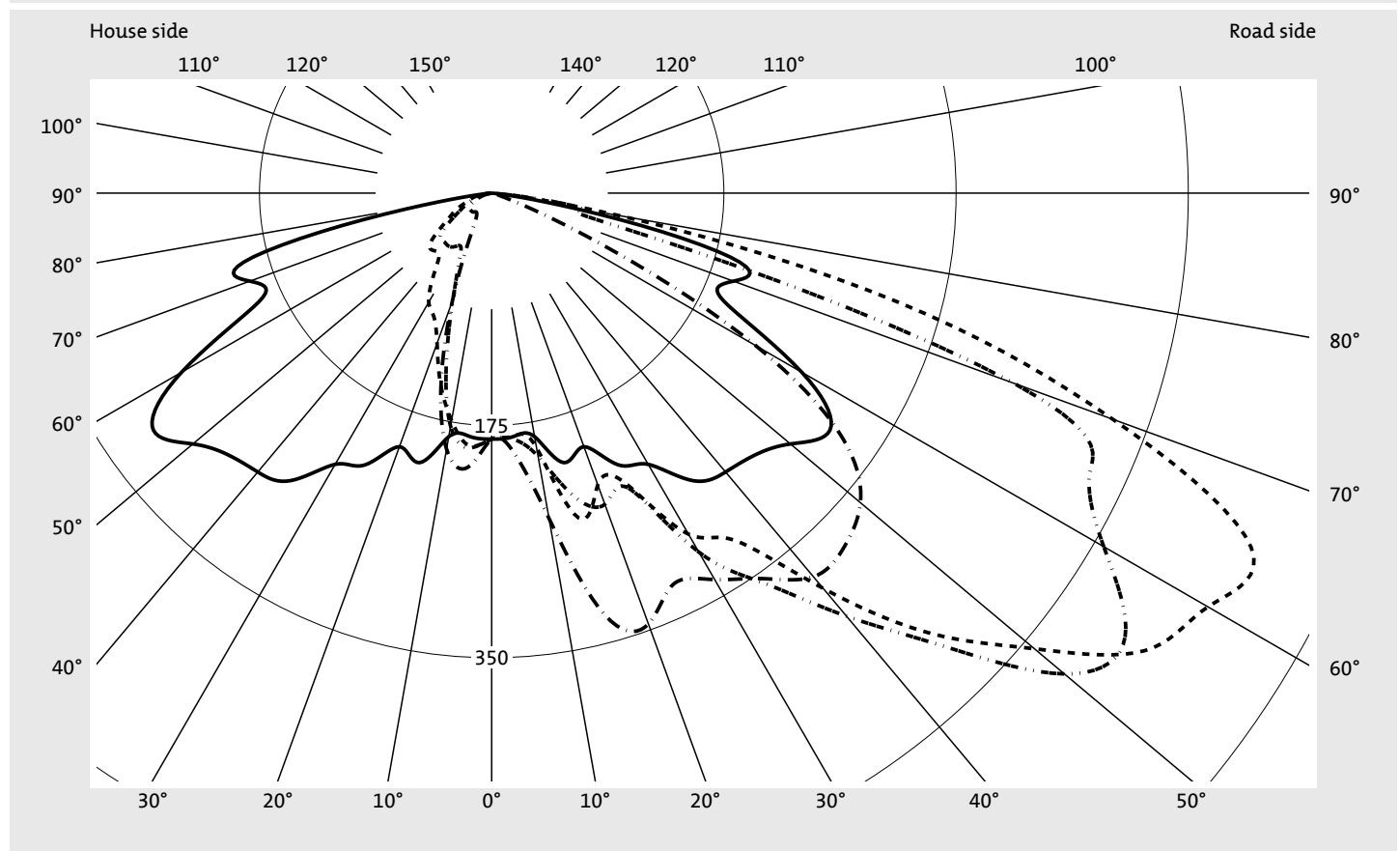
C180-0

C210-30

C220-40

C270-90

**I<sub>max</sub>: 632 cd/klm**



### Luminaire output ratios

|                |        |
|----------------|--------|
| Eta            | 100.0% |
| Eta 0° - 90°   | 100.0% |
| Eta 90° - 180° | 0.0%   |

### Measurement conditions

DIN EN 13032 and DIN 5032

### Luminous intensity class acc. to EN13201-2

|                       |       |
|-----------------------|-------|
| Class:                | G3    |
| I <sub>max</sub> 70°  | 574.1 |
| I <sub>max</sub> 80°  | 99.8  |
| I <sub>max</sub> 90°  | 0.0   |
| I <sub>max</sub> >90° | 0.0   |
| I <sub>max</sub> >95° | 0.0   |

## Photometric test report

Family  
**Streetlight 10 mini LED**

Order number: **5XA5811E1A08**  
EAN: **4050737071145**

LP number  
**53299\_1**

**siteco**  
AN OSRAM BUSINESS

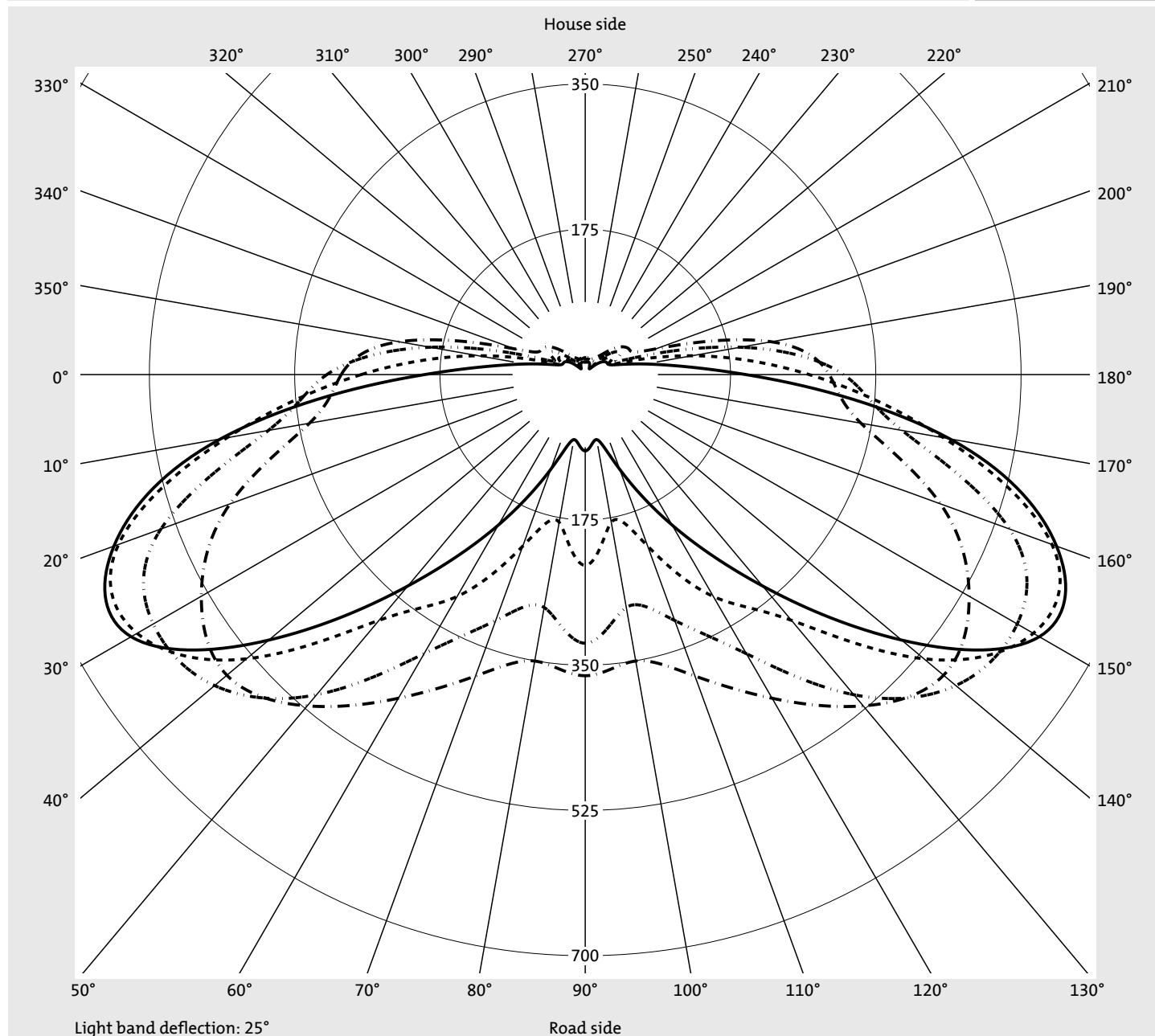
Envelope curve in cd/klm

KMK 65°

KMK 60°

KMK 55°

KMK 50°



Photometric test report

|  |  |  |
|--|--|--|
| Family<br>Streetlight 10 mini LED        | Order number: 5XA5811E1A08<br>EAN: 4050737071145 | LP number<br>53299_1<br><div>siteco</div> <div>AN OSRAM BUSINESS</div> |
| Table of values for luminous intensities |  | Maximum luminous intensity   |

| C-<br>planes | 0°<br>180°                   | 10°<br>170° | 20°<br>160° | 30°<br>150° | 40°<br>140° | 50°<br>130° | 60°<br>120° | 70°<br>110° | 80°<br>100° | 90°   |
|--------------|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| γ            | Luminous intensity in cd/klm |             |             |             |             |             |             |             |             |       |
| 0°           | 185.3                        | 185.3       | 185.3       | 185.3       | 185.3       | 185.3       | 185.3       | 185.3       | 185.3       | 185.3 |
| 5°           | 184.2                        | 185.1       | 185.5       | 184.0       | 186.1       | 189.7       | 192.4       | 193.9       | 196.0       | 196.8 |
| 10°          | 186.3                        | 191.7       | 193.7       | 194.8       | 201.4       | 194.8       | 225.2       | 237.9       | 246.3       | 248.8 |
| 15°          | 210.2                        | 208.4       | 257.5       | 253.3       | 235.4       | 225.0       | 246.0       | 282.9       | 316.3       | 328.8 |
| 20°          | 203.3                        | 215.3       | 221.2       | 233.8       | 249.4       | 238.7       | 233.9       | 281.8       | 328.8       | 345.4 |
| 25°          | 225.9                        | 238.2       | 251.8       | 242.6       | 245.6       | 269.0       | 274.7       | 299.2       | 325.7       | 324.8 |
| 30°          | 235.9                        | 241.4       | 258.1       | 296.6       | 312.3       | 313.4       | 368.6       | 343.5       | 340.4       | 336.2 |
| 35°          | 264.4                        | 293.3       | 313.8       | 319.3       | 358.9       | 392.3       | 429.1       | 385.9       | 361.1       | 354.5 |
| 40°          | 274.2                        | 321.5       | 333.0       | 388.7       | 416.0       | 467.0       | 463.7       | 416.4       | 368.0       | 377.3 |
| 45°          | 279.5                        | 326.0       | 409.8       | 469.4       | 483.0       | 502.3       | 485.4       | 412.4       | 370.9       | 376.2 |
| 50°          | 293.9                        | 337.3       | 455.4       | 534.0       | 563.5       | 521.0       | 450.2       | 386.4       | 350.4       | 362.8 |
| 55°          | 311.3                        | 387.6       | 544.0       | 600.9       | 582.8       | 503.4       | 388.2       | 315.3       | 284.8       | 323.7 |
| 60°          | 269.8                        | 438.2       | 598.3       | 623.3       | 532.7       | 386.4       | 308.6       | 219.8       | 180.7       | 229.8 |
| 65°          | 193.5                        | 446.0       | 604.2       | 631.6       | 497.5       | 332.5       | 209.3       | 121.5       | 79.5        | 91.9  |
| 70°          | 193.9                        | 352.6       | 574.1       | 498.2       | 419.1       | 284.3       | 141.1       | 51.5        | 14.5        | 17.6  |
| 75°          | 186.2                        | 325.6       | 372.5       | 316.8       | 106.9       | 156.8       | 97.9        | 9.5         | 5.1         | 4.7   |
| 80°          | 53.4                         | 93.4        | 99.8        | 97.0        | 69.8        | 35.0        | 21.0        | 3.7         | 3.2         | 2.9   |
| 85°          | 2.6                          | 2.5         | 3.3         | 4.1         | 5.6         | 5.3         | 2.6         | 1.8         | 1.6         | 1.5   |
| 90°          | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 95°          | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 100°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 105°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 110°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 115°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 120°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 125°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 130°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 135°         | 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   |
| 145°         | 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   |
| 155°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 160°         | 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   |
| 170°         | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0   |
| 175°         | 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   |


Photometric test report

|                                   |  |                      |
|-----------------------------------|--|----------------------|
| Family<br>Streetlight 10 mini LED | Order number: 5XA5811E1A08<br>EAN: 4050737071145 | LP number<br>53299_1 |
|-----------------------------------|--|----------------------|

|  |                            |                             |
|--|----------------------------|-----------------------------|
| Table of values for luminous intensities | Maximum luminous intensity | siteco<br>AN OSRAM BUSINESS |
|--|----------------------------|-----------------------------|

| C-<br>planes | 190°<br>350°                 | 200°<br>340° | 210°<br>330° | 220°<br>320° | 230°<br>310° | 240°<br>300° | 250°<br>290° | 260°<br>280° | 270°  | Phi-zone                | Total<br>Phi-zone |
|--------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------------------------|-------------------|
| γ            | Luminous intensity in cd/klm |              |              |              |              |              |              |              |       | Luminous flux in lm/klm |                   |
| 0°           | 185.3                        | 185.3        | 185.3        | 185.3        | 185.3        | 185.3        | 185.3        | 185.3        | 185.3 | 1.1                     | 1.1               |
| 5°           | 184.9                        | 187.9        | 191.0        | 192.6        | 195.1        | 199.4        | 202.9        | 206.1        | 207.4 | 9.2                     | 10.3              |
| 10°          | 179.7                        | 174.1        | 173.9        | 178.3        | 184.5        | 190.5        | 193.5        | 194.8        | 195.8 | 18.8                    | 29.1              |
| 15°          | 178.1                        | 172.4        | 148.9        | 132.0        | 138.2        | 143.1        | 144.0        | 146.2        | 147.2 | 29.0                    | 58.1              |
| 20°          | 167.7                        | 139.0        | 120.4        | 85.4         | 83.5         | 84.3         | 83.2         | 85.4         | 86.6  | 34.1                    | 92.2              |
| 25°          | 190.6                        | 133.3        | 103.0        | 58.6         | 53.8         | 52.6         | 48.3         | 44.5         | 43.2  | 41.7                    | 133.9             |
| 30°          | 193.2                        | 144.8        | 94.8         | 46.5         | 41.7         | 36.6         | 31.7         | 27.8         | 25.1  | 53.4                    | 187.3             |
| 35°          | 231.2                        | 147.5        | 76.9         | 49.3         | 40.1         | 29.5         | 23.8         | 20.6         | 19.6  | 68.5                    | 255.8             |
| 40°          | 243.3                        | 150.1        | 61.5         | 51.5         | 41.1         | 27.8         | 21.1         | 19.0         | 18.5  | 83.4                    | 339.3             |
| 45°          | 245.4                        | 128.3        | 61.3         | 51.3         | 37.9         | 26.2         | 19.7         | 18.5         | 20.0  | 97.4                    | 436.7             |
| 50°          | 227.6                        | 90.6         | 61.0         | 50.9         | 32.1         | 23.3         | 19.7         | 19.5         | 20.4  | 107.5                   | 544.2             |
| 55°          | 189.7                        | 53.6         | 48.5         | 40.0         | 22.5         | 19.1         | 19.8         | 20.5         | 20.3  | 112.4                   | 656.6             |
| 60°          | 130.6                        | 37.5         | 36.8         | 29.1         | 14.8         | 14.3         | 18.3         | 18.8         | 18.5  | 105.0                   | 761.6             |
| 65°          | 73.4                         | 34.3         | 29.5         | 22.2         | 10.1         | 10.0         | 14.7         | 15.3         | 14.9  | 93.2                    | 854.8             |
| 70°          | 58.8                         | 29.6         | 20.8         | 16.4         | 9.0          | 7.5          | 9.3          | 10.5         | 10.3  | 77.4                    | 932.2             |
| 75°          | 45.3                         | 23.9         | 15.7         | 11.9         | 6.8          | 5.6          | 4.9          | 5.1          | 5.8   | 50.1                    | 982.3             |
| 80°          | 23.6                         | 13.5         | 10.2         | 6.9          | 3.9          | 3.0          | 2.2          | 1.6          | 0.7   | 16.3                    | 998.6             |
| 85°          | 2.8                          | 2.8          | 2.6          | 2.5          | 2.0          | 1.5          | 1.0          | 0.6          | 0.3   | 1.4                     | 1000.0            |
| 90°          | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 95°          | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 100°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 105°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 110°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 115°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 120°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 125°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 130°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 135°         | 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                     | 1000.0            |
| 145°         | 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                     | 1000.0            |
| 155°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 160°         | 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                     | 1000.0            |
| 170°         | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |
| 175°         | 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                     | 1000.0            |

Photometric test report

|                                   |  |   |
|-----------------------------------|--|---|
| Family<br>Streetlight 10 mini LED | Order number: 5XA5811E1A08<br>EAN: 4050737071145 | LP number<br>53299_1<br><br><small>AN OSRAM BUSINESS</small> |
| Reduction levels table            |  | environmental temperature: 25°C   |

| Luminous flux<br>% | Luminous flux<br>lm | Power consumption<br>(W) |
|--------------------|---------------------|--------------------------|
| 100                | 2850                | 51.0                     |
| 50                 | 1425                | 20.6                     |