

**Luminaire**

Code 90700L100

Name ELI 50 SPOT /C L100 PB 930 50° HO

**Measurem.**

Code 1/6/2022

Name ELI 50 SPOT /C L100 PB 930 50° HO

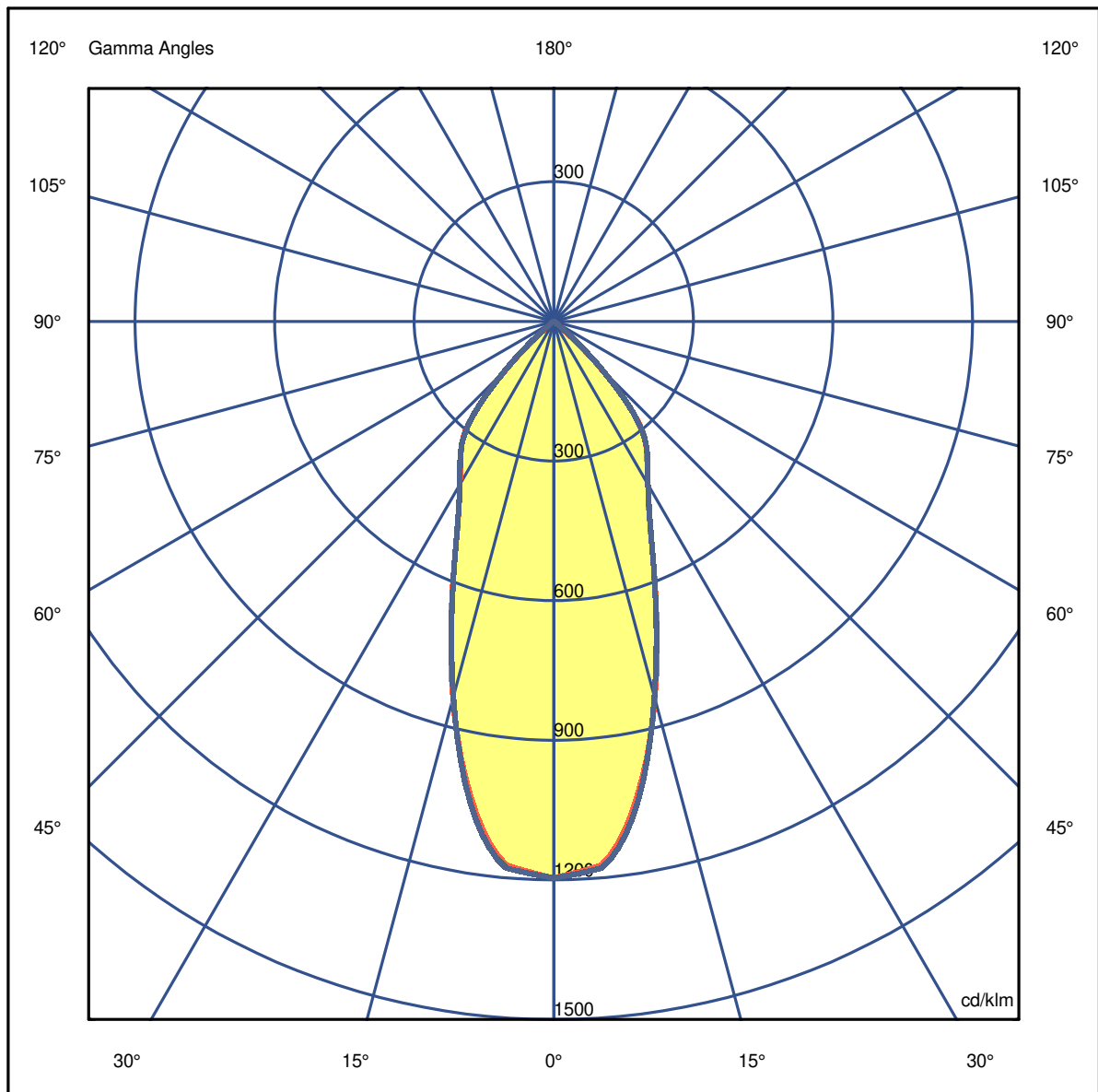
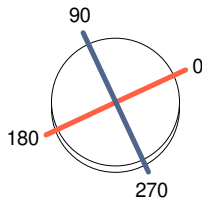
|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1089 lm | Luminaire Power | 10.8 W         | Efficacy | 100.915 lm/W  | Efficiency | 92.04%             |
| Source Flux    | 1183 lm | Maximum value   | 1195.80 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Diam=95mm

C Halfplanes

180.0 — 0.0

270.0 — 90.0



**Luminaire**

Code 90700L100

Name ELI 50 SPOT /C L100 PB 930 50° HO

**Measurem.**

Code 1/6/2022

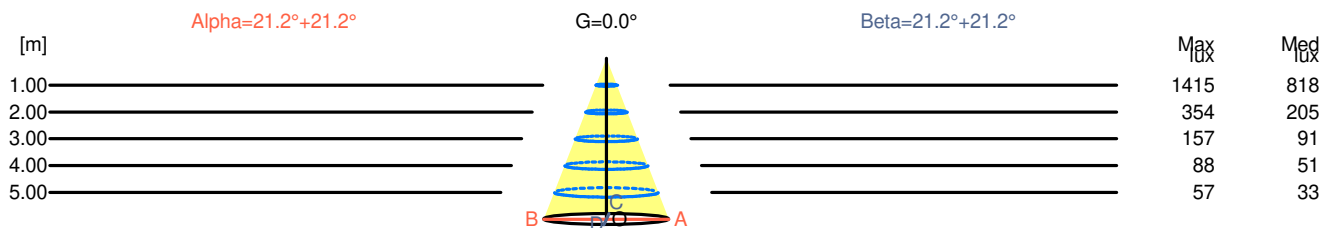
Name ELI 50 SPOT /C L100 PB 930 50° HO

|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1089 lm | Luminaire Power | 10.8 W         | Efficacy | 100.915 lm/W  | Efficiency | 92.04%             |
| Source Flux    | 1183 lm | Maximum value   | 1195.80 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| OA   | 0.39 | 0.78 | 1.17 | 1.55 | 1.94 | OC   | 0.39 | 0.78 | 1.16 | 1.55 | 1.94 |
| OB   | 0.39 | 0.78 | 1.17 | 1.55 | 1.94 | OD   | 0.39 | 0.78 | 1.16 | 1.55 | 1.94 |

|    | 0       | 5       | 15     | 25     | 35     | 45     | 55    | 65   | 75   | 85   |
|----|---------|---------|--------|--------|--------|--------|-------|------|------|------|
| OA | 1414.63 | 1387.07 | 991.47 | 580.97 | 412.51 | 170.83 | 10.29 | 3.08 | 1.06 | 0.71 |
| OB | 1414.63 | 1387.07 | 991.47 | 580.97 | 412.51 | 170.83 | 10.29 | 3.08 | 1.06 | 0.71 |
| OC | 1414.63 | 1394.28 | 987.33 | 581.09 | 414.17 | 174.61 | 12.42 | 4.14 | 1.42 | 0.71 |
| OD | 1414.63 | 1394.28 | 987.33 | 581.09 | 414.17 | 174.61 | 12.42 | 4.14 | 1.42 | 0.71 |



| H[m] | D[m] | Max lux | Med lux | Alpha=21.2°+21.2° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.78 | 1415    | 818     |                   |       |
| 2.00 | 1.55 | 354     | 205     |                   |       |
| 3.00 | 2.33 | 157     | 91      |                   |       |
| 4.00 | 3.11 | 88      | 51      |                   |       |
| 5.00 | 3.89 | 57      | 33      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=21.2°+21.2° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.78 | 1415    | 818     |                  |       |
| 2.00 | 1.55 | 354     | 205     |                  |       |
| 3.00 | 2.33 | 157     | 91      |                  |       |
| 4.00 | 3.11 | 88      | 51      |                  |       |
| 5.00 | 3.88 | 57      | 33      |                  |       |

**Luminaire**

Code 90700L100

Name ELI 50 SPOT /C L100 PB 930 50° HO

**Measurem.**

Code 1/6/2022

Name ELI 50 SPOT /C L100 PB 930 50° HO

|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1089 lm | Luminaire Power | 10.8 W         | Efficacy | 100.915 lm/W  | Efficiency | 92.04%             |
| Source Flux    | 1183 lm | Maximum value   | 1195.80 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**UGR**  
S = 0.250

| Reflectancies   |              |      |      |      |      |                |      |      |      |      |
|-----------------|--------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling/Cavity  | 0.7          | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Walls           | 0.5          | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Working Plane   | 0.2          | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions | Lateral View |      |      |      |      | Viewed Endwise |      |      |      |      |
| x=2H y=2H       | 21.8         | 22.6 | 22.1 | 22.8 | 23.0 | 21.9           | 22.7 | 22.1 | 22.9 | 23.1 |
| x=2H y=3H       | 21.7         | 22.4 | 22.0 | 22.6 | 22.9 | 21.7           | 22.4 | 22.0 | 22.7 | 22.9 |
| x=2H y=4H       | 21.6         | 22.3 | 21.9 | 22.5 | 22.8 | 21.7           | 22.3 | 22.0 | 22.6 | 22.8 |
| x=2H y=6H       | 21.5         | 22.2 | 21.9 | 22.4 | 22.7 | 21.6           | 22.2 | 21.9 | 22.5 | 22.8 |
| x=2H y=8H       | 21.5         | 22.1 | 21.8 | 22.4 | 22.7 | 21.6           | 22.1 | 21.9 | 22.4 | 22.7 |
| x=2H y=12H      | 21.5         | 22.0 | 21.8 | 22.3 | 22.6 | 21.5           | 22.1 | 21.9 | 22.4 | 22.7 |
| x=4H y=2H       | 21.6         | 22.3 | 21.9 | 22.5 | 22.8 | 21.7           | 22.3 | 22.0 | 22.6 | 22.8 |
| x=4H y=3H       | 21.5         | 22.0 | 21.8 | 22.3 | 22.6 | 21.5           | 22.1 | 21.9 | 22.4 | 22.7 |
| x=4H y=4H       | 21.4         | 21.9 | 21.8 | 22.2 | 22.5 | 21.5           | 21.9 | 21.8 | 22.3 | 22.6 |
| x=4H y=6H       | 21.3         | 21.7 | 21.7 | 22.1 | 22.5 | 21.4           | 21.8 | 21.8 | 22.1 | 22.5 |
| x=4H y=8H       | 21.3         | 21.7 | 21.7 | 22.0 | 22.4 | 21.4           | 21.7 | 21.8 | 22.1 | 22.5 |
| x=4H y=12H      | 21.3         | 21.6 | 21.7 | 22.0 | 22.4 | 21.3           | 21.6 | 21.7 | 22.0 | 22.4 |
| x=8H y=4H       | 21.3         | 21.7 | 21.7 | 22.0 | 22.4 | 21.4           | 21.7 | 21.8 | 22.1 | 22.5 |
| x=8H y=6H       | 21.2         | 21.5 | 21.7 | 21.9 | 22.4 | 21.3           | 21.5 | 21.7 | 22.0 | 22.4 |
| x=8H y=8H       | 21.2         | 21.4 | 21.6 | 21.8 | 22.3 | 21.2           | 21.4 | 21.7 | 21.9 | 22.4 |
| x=8H y=12H      | 21.1         | 21.3 | 21.6 | 21.8 | 22.3 | 21.2           | 21.4 | 21.7 | 21.8 | 22.3 |
| x=12H y=4H      | 21.3         | 21.6 | 21.7 | 22.0 | 22.4 | 21.3           | 21.6 | 21.7 | 22.0 | 22.4 |
| x=12H y=6H      | 21.2         | 21.4 | 21.6 | 21.8 | 22.3 | 21.2           | 21.4 | 21.7 | 21.9 | 22.4 |
| x=12H y=8H      | 21.1         | 21.3 | 21.6 | 21.8 | 22.3 | 21.2           | 21.4 | 21.7 | 21.8 | 22.3 |

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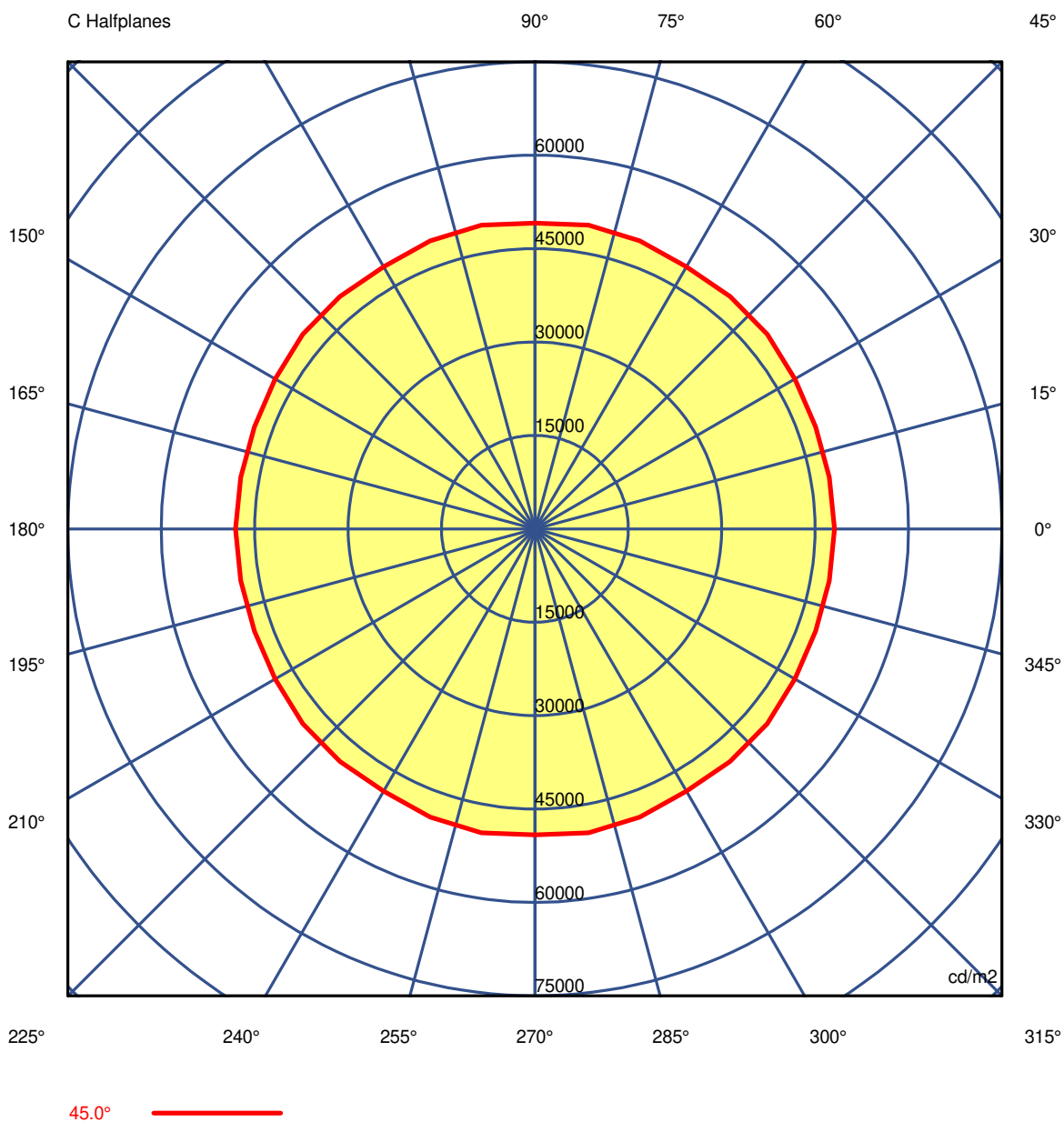
**Measurem.**

Code 1/6/2022

Name ELI 50 SPOT /C L100 PB 930 50° HO

|                |         |                 |                |          |               |                       |        |
|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 1089 lm | Luminaire Power | 10.8 W         | Efficacy | 100.915 lm/W  | Efficiency            | 92.04% |
| Source Flux    | 1183 lm | Maximum value   | 1195.80 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



**Luminaire**

Code 90700L100

Name ELI 50 SPOT /C L100 PB 930 50° HO

**Measurement**

Code 1/6/2022

Name ELI 50 SPOT /C L100 PB 930 50° HO

| Luminaire Flux  |        | 1089 lm |         | Luminaire Power |         | 10.8 W         |         | Efficacy |         | 100.915 lm/W  |          | Efficiency |          | 92.04%             |        |
|-----------------|--------|---------|---------|-----------------|---------|----------------|---------|----------|---------|---------------|----------|------------|----------|--------------------|--------|
| Source Flux     |        | 1183 lm |         | Maximum value   |         | 1195.80 cd/klm |         | Position |         | C=0.00 G=0.00 |          | CG         |          | Double Symmetrical |        |
| Luminance cd/m2 |        |         |         |                 |         |                |         |          |         |               |          |            |          | Table 1/3          |        |
|                 | C 0.00 | C 10.00 | C 20.00 | C 30.00         | C 40.00 | C 50.00        | C 60.00 | C 70.00  | C 80.00 | C 90.00       | C 100.00 | C 110.00   | C 120.00 |                    |        |
| G 0.0           | 815376 | 815376  | 815376  | 815376          | 815376  | 815376         | 815376  | 815376   | 815376  | 815376        | 815376   | 815376     | 815376   | 815376             | 815376 |
| G 5.0           | 688342 | 688593  | 688958  | 689634          | 690539  | 690283         | 689634  | 690801   | 691649  | 691923        | 691649   | 690801     | 689634   |                    |        |
| G 10.0          | 536838 | 539428  | 541690  | 542857          | 542134  | 540376         | 539173  | 539791   | 540982  | 541923        | 540982   | 539791     | 539173   |                    |        |
| G 15.0          | 392298 | 394604  | 394239  | 392205          | 391700  | 390347         | 388320  | 388631   | 389803  | 390660        | 389803   | 388631     | 388320   |                    |        |
| G 20.0          | 275061 | 276656  | 275837  | 273816          | 273895  | 273576         | 272442  | 272813   | 273722  | 274374        | 273722   | 272813     | 272442   |                    |        |
| G 25.0          | 196088 | 196840  | 196488  | 195729          | 196177  | 196084         | 195369  | 195770   | 196101  | 196128        | 196101   | 195770     | 195369   |                    |        |
| G 30.0          | 151957 | 152095  | 151845  | 151544          | 151823  | 151710         | 151318  | 151751   | 152058  | 152108        | 152058   | 151751     | 151318   |                    |        |
| G 35.0          | 124692 | 124802  | 124637  | 124477          | 124821  | 124885         | 124692  | 125033   | 125301  | 125193        | 125301   | 125033     | 124692   |                    |        |
| G 40.0          | 97180  | 97277   | 97146   | 96974           | 97142   | 97189          | 97043   | 97043    | 96939   | 96562         | 96939    | 97043      | 97043    |                    |        |
| G 45.0          | 48077  | 48001   | 47976   | 48177           | 48680   | 48741          | 48610   | 49229    | 49548   | 49142         | 49548    | 49229      | 48610    |                    |        |
| G 50.0          | 7387   | 7862    | 7962    | 8005            | 9175    | 9592           | 9339    | 10277    | 11162   | 11324         | 11162    | 10277      | 9339     |                    |        |
| G 55.0          | 2789   | 2893    | 3011    | 3174            | 3385    | 3473           | 3494    | 3502     | 3465    | 3366          | 3465     | 3502       | 3494     |                    |        |
| G 60.0          | 1560   | 1654    | 1706    | 1751            | 1860    | 1920           | 1942    | 1942     | 1942    | 1942          | 1942     | 1942       | 1942     |                    |        |
| G 65.0          | 828    | 880     | 982     | 1083            | 1083    | 1101           | 1146    | 1130     | 1115    | 1115          | 1115     | 1130       | 1146     |                    |        |
| G 70.0          | 482    | 552     | 593     | 610             | 633     | 642            | 642     | 642      | 642     | 642           | 642      | 642        | 642      |                    |        |
| G 75.0          | 294    | 318     | 326     | 326             | 326     | 346            | 391     | 391      | 391     | 391           | 391      | 391        | 391      |                    |        |
| G 80.0          | 200    | 200     | 200     | 200             | 200     | 200            | 200     | 200      | 200     | 200           | 200      | 200        | 200      |                    |        |
| G 85.0          | 207    | 207     | 207     | 207             | 207     | 207            | 207     | 207      | 207     | 207           | 207      | 207        | 207      |                    |        |
| G 90.0          | 0      | 0       | 0       | 0               | 0       | 0              | 0       | 0        | 0       | 0             | 0        | 0          | 0        |                    |        |

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**Measurement**

Code 1/6/2022

Name ELI 50 SPOT /C L100 PB 930 50° HO

|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1089 lm | Luminaire Power | 10.8 W         | Efficacy | 100.915 lm/W  | Efficiency | 92.04%             |
| Source Flux    | 1183 lm | Maximum value   | 1195.80 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Luminance cd/m2 Table 2/3

|        | C 130.00 | C 140.00 | C 150.00 | C 160.00 | C 170.00 | C 180.00 | C 190.00 | C 200.00 | C 210.00 | C 220.00 | C 230.00 | C 240.00 | C 250.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   |
| G 5.0  | 690283   | 690539   | 689634   | 688958   | 688593   | 688342   | 688593   | 688958   | 689634   | 690539   | 690283   | 689634   | 690801   |
| G 10.0 | 540376   | 542134   | 542857   | 541690   | 539428   | 536838   | 539428   | 541690   | 542857   | 542134   | 540376   | 539173   | 539791   |
| G 15.0 | 390347   | 391700   | 392205   | 394239   | 394604   | 392298   | 394604   | 394239   | 392205   | 391700   | 390347   | 388320   | 388631   |
| G 20.0 | 273576   | 273895   | 273816   | 275837   | 276656   | 275061   | 276656   | 275837   | 273816   | 273895   | 273576   | 272442   | 272813   |
| G 25.0 | 196084   | 196177   | 195729   | 196488   | 196840   | 196088   | 196840   | 196488   | 195729   | 196177   | 196084   | 195369   | 195770   |
| G 30.0 | 151710   | 151823   | 151544   | 151845   | 152095   | 151957   | 152095   | 151845   | 151544   | 151823   | 151710   | 151318   | 151751   |
| G 35.0 | 124885   | 124821   | 124477   | 124637   | 124802   | 124692   | 124802   | 124637   | 124477   | 124821   | 124885   | 124692   | 125033   |
| G 40.0 | 97189    | 97142    | 96974    | 97146    | 97277    | 97180    | 97277    | 97146    | 96974    | 97142    | 97189    | 97043    | 97043    |
| G 45.0 | 48741    | 48680    | 48177    | 47976    | 48001    | 48077    | 48001    | 47976    | 48177    | 48680    | 48741    | 48610    | 49229    |
| G 50.0 | 9592     | 9175     | 8005     | 7962     | 7862     | 7387     | 7862     | 7962     | 8005     | 9175     | 9592     | 9339     | 10277    |
| G 55.0 | 3473     | 3385     | 3174     | 3011     | 2893     | 2789     | 2893     | 3011     | 3174     | 3385     | 3473     | 3494     | 3502     |
| G 60.0 | 1920     | 1860     | 1751     | 1706     | 1654     | 1560     | 1654     | 1706     | 1751     | 1860     | 1920     | 1942     | 1942     |
| G 65.0 | 1101     | 1083     | 1083     | 982      | 880      | 828      | 880      | 982      | 1083     | 1083     | 1101     | 1146     | 1130     |
| G 70.0 | 642      | 633      | 610      | 593      | 552      | 482      | 552      | 593      | 610      | 633      | 642      | 642      | 642      |
| G 75.0 | 346      | 326      | 326      | 326      | 318      | 294      | 318      | 326      | 326      | 326      | 346      | 391      | 391      |
| G 80.0 | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      |
| G 85.0 | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      |
| G 90.0 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |

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**Measurem.**

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|                |         |                 |                |          |               |                       |        |
|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 1089 lm | Luminaire Power | 10.8 W         | Efficacy | 100.915 lm/W  | Efficiency            | 92.04% |
| Source Flux    | 1183 lm | Maximum value   | 1195.80 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

**Luminance cd/m2 Table 3/3**

|        | C 260.00 | C 270.00 | C 280.00 | C 290.00 | C 300.00 | C 310.00 | C 320.00 | C 330.00 | C 340.00 | C 350.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   | 815376   |
| G 5.0  | 691649   | 691923   | 691649   | 690801   | 689634   | 690283   | 690539   | 689634   | 688958   | 688593   |
| G 10.0 | 540982   | 541923   | 540982   | 539791   | 539173   | 540376   | 542134   | 542857   | 541690   | 539428   |
| G 15.0 | 389803   | 390660   | 389803   | 388631   | 388320   | 390347   | 391700   | 392205   | 394239   | 394604   |
| G 20.0 | 273722   | 274374   | 273722   | 272813   | 272442   | 273576   | 273895   | 273816   | 275837   | 276656   |
| G 25.0 | 196101   | 196128   | 196101   | 195770   | 195369   | 196084   | 196177   | 195729   | 196488   | 196840   |
| G 30.0 | 152058   | 152108   | 152058   | 151751   | 151318   | 151710   | 151823   | 151544   | 151845   | 152095   |
| G 35.0 | 125301   | 125193   | 125301   | 125033   | 124692   | 124885   | 124821   | 124477   | 124637   | 124802   |
| G 40.0 | 96939    | 96562    | 96939    | 97043    | 97043    | 97189    | 97142    | 96974    | 97146    | 97277    |
| G 45.0 | 49548    | 49142    | 49548    | 49229    | 48610    | 48741    | 48680    | 48177    | 47976    | 48001    |
| G 50.0 | 11162    | 11324    | 11162    | 10277    | 9339     | 9592     | 9175     | 8005     | 7962     | 7862     |
| G 55.0 | 3465     | 3366     | 3465     | 3502     | 3494     | 3473     | 3385     | 3174     | 3011     | 2893     |
| G 60.0 | 1942     | 1942     | 1942     | 1942     | 1942     | 1920     | 1860     | 1751     | 1706     | 1654     |
| G 65.0 | 1115     | 1115     | 1115     | 1130     | 1146     | 1101     | 1083     | 1083     | 982      | 880      |
| G 70.0 | 642      | 642      | 642      | 642      | 642      | 642      | 633      | 610      | 593      | 552      |
| G 75.0 | 391      | 391      | 391      | 391      | 391      | 346      | 326      | 326      | 326      | 318      |
| G 80.0 | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      | 200      |
| G 85.0 | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      | 207      |
| G 90.0 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |