

Luminaire

Code 90714L286

Name ROFY 60 SQ D/I L0286W286 GCONTROL+ 830 HO

Measurem.

Code 8/8/2023

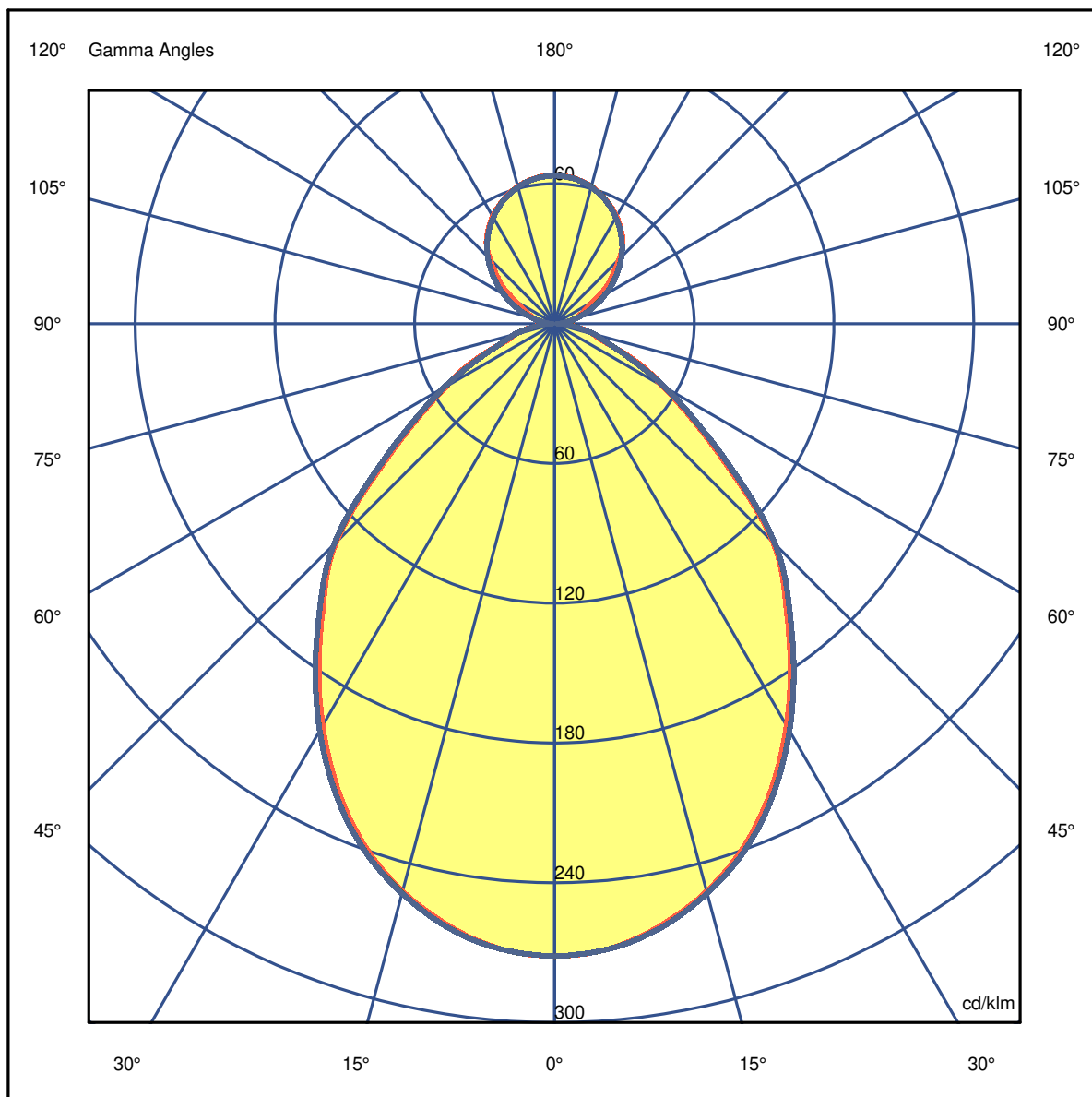
Name ROFY 60 SQ D/I L0286W286 GCONTROL+ 830 HO

| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2118 lm | Luminaire Power | 17.8 W | Efficacy | 118.923 lm/W | Efficiency | 70.58% |
| Source Flux | 3001 lm | Maximum value | 271.50 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

286mm x 286mm

C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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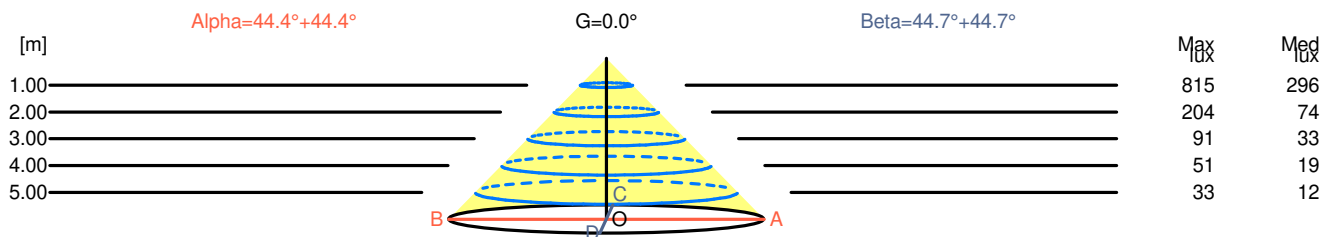
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2118 lm | Luminaire Power | 17.8 W | Efficacy | 118.923 lm/W | Efficiency | 70.58% |
| Source Flux | 3001 lm | Maximum value | 271.50 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 | 0.98 | 1.96 | 2.94 | 3.92 | 4.90 | OC | 0.99 | 1.98 | 2.97 | 3.96 | 4.94 |
| OB | 0.98 | 1.96 | 2.94 | 3.92 | 4.90 | OD | 0.99 | 1.98 | 2.97 | 3.96 | 4.94 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| OA | 814.77 | 808.17 | 757.15 | 661.42 | 529.98 | 398.53 | 219.67 | 117.64 | 52.52 | 18.61 |
| OB | 814.77 | 808.17 | 757.15 | 661.42 | 529.98 | 398.53 | 219.67 | 117.64 | 52.52 | 18.61 |
| OC | 814.77 | 808.47 | 759.55 | 667.72 | 537.18 | 402.43 | 225.98 | 109.84 | 53.72 | 15.31 |
| OD | 814.77 | 808.47 | 759.55 | 667.72 | 537.18 | 402.43 | 225.98 | 109.84 | 53.72 | 15.31 |



| H[m] | D[m] | Max lux | Med lux | Alpha=44.4°+44.4° | G=0.0 | |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 1.96 | 815 | 296 | | | |
| 2.00 | 3.92 | 204 | 74 | | | |
| 3.00 | 5.88 | 91 | 33 | | | |
| 4.00 | 7.84 | 51 | 19 | | | |
| 5.00 | 9.80 | 33 | 12 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=44.7°+44.7° | G=0.0 | |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 1.98 | 815 | 296 | | | |
| 2.00 | 3.96 | 204 | 74 | | | |
| 3.00 | 5.93 | 91 | 33 | | | |
| 4.00 | 7.91 | 51 | 19 | | | |
| 5.00 | 9.89 | 33 | 12 | | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2118 lm | Luminaire Power | 17.8 W | Efficacy | 118.923 lm/W | Efficiency | 70.58% |
| Source Flux | 3001 lm | Maximum value | 271.50 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 | | | | | | | | | | |
| Room Dimensions | Lateral View | | | | | Viewed Endwise | | | | |
| | | | | | | | | | | |
| x=2H y=2H | 15.0 | 16.0 | 15.6 | 16.5 | 17.2 | 15.1 | 16.0 | 15.7 | 16.6 | 17.3 |
| x=2H y=3H | 15.5 | 16.3 | 16.1 | 16.9 | 17.7 | 15.6 | 16.4 | 16.2 | 17.0 | 17.7 |
| x=2H y=4H | 15.7 | 16.4 | 16.3 | 17.1 | 17.8 | 15.7 | 16.5 | 16.4 | 17.1 | 17.9 |
| x=2H y=6H | 15.8 | 16.5 | 16.4 | 17.1 | 17.9 | 15.8 | 16.5 | 16.5 | 17.2 | 17.9 |
| x=2H y=8H | 15.8 | 16.4 | 16.5 | 17.1 | 17.9 | 15.8 | 16.5 | 16.5 | 17.1 | 17.9 |
| x=2H y=12H | 15.8 | 16.4 | 16.5 | 17.1 | 17.9 | 15.8 | 16.4 | 16.5 | 17.1 | 17.9 |
| x=4H y=2H | 15.0 | 15.8 | 15.7 | 16.4 | 17.2 | 15.1 | 15.9 | 15.8 | 16.5 | 17.3 |
| x=4H y=3H | 15.6 | 16.3 | 16.3 | 16.9 | 17.7 | 15.7 | 16.3 | 16.4 | 17.0 | 17.8 |
| x=4H y=4H | 15.9 | 16.4 | 16.6 | 17.1 | 17.9 | 15.9 | 16.5 | 16.6 | 17.2 | 18.0 |
| x=4H y=6H | 16.0 | 16.5 | 16.8 | 17.3 | 18.1 | 16.1 | 16.6 | 16.8 | 17.3 | 18.1 |
| x=4H y=8H | 16.1 | 16.5 | 16.9 | 17.3 | 18.2 | 16.1 | 16.6 | 16.9 | 17.3 | 18.2 |
| x=4H y=12H | 16.1 | 16.5 | 16.9 | 17.3 | 18.2 | 16.1 | 16.5 | 16.9 | 17.3 | 18.2 |
| x=8H y=4H | 15.9 | 16.3 | 16.6 | 17.0 | 17.9 | 15.9 | 16.3 | 16.6 | 17.1 | 17.9 |
| x=8H y=6H | 16.1 | 16.5 | 16.9 | 17.2 | 18.2 | 16.2 | 16.5 | 16.9 | 17.3 | 18.2 |
| x=8H y=8H | 16.2 | 16.5 | 17.0 | 17.3 | 18.2 | 16.2 | 16.5 | 17.0 | 17.3 | 18.3 |
| x=8H y=12H | 16.3 | 16.6 | 17.1 | 17.3 | 18.3 | 16.3 | 16.6 | 17.1 | 17.3 | 18.3 |
| x=12H y=4H | 15.8 | 16.2 | 16.6 | 17.0 | 17.9 | 15.9 | 16.3 | 16.6 | 17.0 | 17.9 |
| x=12H y=6H | 16.1 | 16.4 | 16.9 | 17.2 | 18.1 | 16.1 | 16.4 | 16.9 | 17.2 | 18.2 |
| x=12H y=8H | 16.2 | 16.5 | 17.0 | 17.3 | 18.2 | 16.2 | 16.5 | 17.0 | 17.3 | 18.3 |

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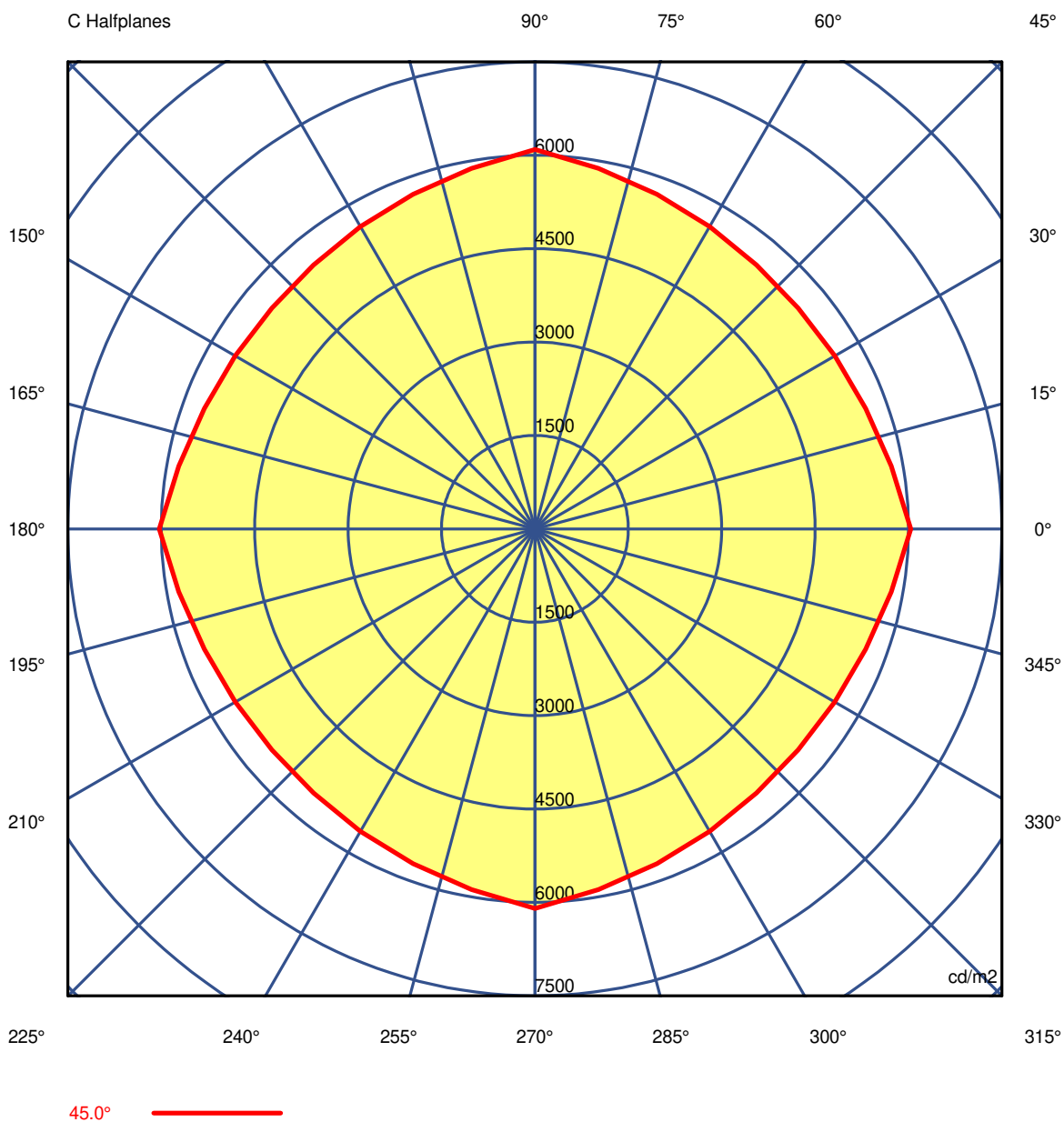
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| Source Flux | 3001 lm | Maximum value | 271.50 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

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Measurement.

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Name ROFY 60 SQ D/I L0286W286 GCONTROL+ 830 HO

| | | | | | | | | | | | | | | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux | 2118 lm | | Luminaire Power | | 17.8 W | | Efficacy | | 118.923 lm/W | | Efficiency | | 70.58% | |
| Source Flux | 3001 lm | | Maximum value | | 271.50 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 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | |
| G 5.0 | 11154 | 11113 | 11075 | 11044 | 11034 | 11033 | 11036 | 11056 | 11097 | 11158 | 11097 | 11056 | 11036 | |
| G 10.0 | 10698 | 10629 | 10561 | 10505 | 10490 | 10494 | 10509 | 10551 | 10625 | 10731 | 10625 | 10551 | 10509 | |
| G 15.0 | 10205 | 10079 | 9978 | 9907 | 9885 | 9890 | 9918 | 9992 | 10101 | 10237 | 10101 | 9992 | 9918 | |
| G 20.0 | 9643 | 9484 | 9354 | 9254 | 9214 | 9221 | 9270 | 9367 | 9512 | 9700 | 9512 | 9367 | 9270 | |
| G 25.0 | 8977 | 8793 | 8649 | 8547 | 8514 | 8534 | 8597 | 8706 | 8861 | 9062 | 8861 | 8706 | 8597 | |
| G 30.0 | 8236 | 8034 | 7888 | 7808 | 7797 | 7814 | 7866 | 7963 | 8117 | 8340 | 8117 | 7963 | 7866 | |
| G 35.0 | 7472 | 7272 | 7130 | 7055 | 7048 | 7076 | 7126 | 7217 | 7364 | 7574 | 7364 | 7217 | 7126 | |
| G 40.0 | 6732 | 6534 | 6393 | 6310 | 6285 | 6305 | 6362 | 6465 | 6619 | 6828 | 6619 | 6465 | 6362 | |
| G 45.0 | 6037 | 5808 | 5651 | 5558 | 5518 | 5536 | 5608 | 5721 | 5880 | 6096 | 5880 | 5721 | 5608 | |
| G 50.0 | 4779 | 4668 | 4586 | 4453 | 4233 | 4271 | 4540 | 4632 | 4747 | 4903 | 4747 | 4632 | 4540 | |
| G 55.0 | 3717 | 3668 | 3613 | 3043 | 2622 | 2538 | 2892 | 3610 | 3989 | 3823 | 3989 | 3610 | 2892 | |
| G 60.0 | 2943 | 2877 | 2473 | 2000 | 2040 | 2069 | 2087 | 2562 | 2949 | 2998 | 2949 | 2562 | 2087 | |
| G 65.0 | 2334 | 2159 | 1866 | 1508 | 1631 | 1672 | 1586 | 1873 | 2143 | 2180 | 2143 | 1873 | 1586 | |
| G 70.0 | 1525 | 1598 | 1552 | 1381 | 1198 | 1205 | 1381 | 1507 | 1563 | 1591 | 1563 | 1507 | 1381 | |
| G 75.0 | 1308 | 1257 | 1127 | 991 | 1001 | 1012 | 1022 | 1137 | 1258 | 1338 | 1258 | 1137 | 1022 | |
| G 80.0 | 947 | 928 | 904 | 871 | 847 | 848 | 871 | 889 | 900 | 912 | 900 | 889 | 871 | |
| G 85.0 | 649 | 644 | 631 | 593 | 534 | 530 | 577 | 593 | 573 | 533 | 573 | 593 | 577 | |
| G 90.0 | 465 | 387 | 333 | 291 | 257 | 233 | 214 | 188 | 160 | 133 | 160 | 188 | 214 | |

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|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Source Flux | 3001 lm | | Maximum value | | 271.50 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 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | |
| G 5.0 | 11033 | 11034 | 11044 | 11075 | 11113 | 11154 | 11113 | 11075 | 11044 | 11034 | 11033 | 11036 | 11056 | |
| G 10.0 | 10494 | 10490 | 10505 | 10561 | 10629 | 10698 | 10629 | 10561 | 10505 | 10490 | 10494 | 10509 | 10551 | |
| G 15.0 | 9890 | 9885 | 9907 | 9978 | 10079 | 10205 | 10079 | 9978 | 9907 | 9885 | 9890 | 9918 | 9992 | |
| G 20.0 | 9221 | 9214 | 9254 | 9354 | 9484 | 9643 | 9484 | 9354 | 9254 | 9214 | 9221 | 9270 | 9367 | |
| G 25.0 | 8534 | 8514 | 8547 | 8649 | 8793 | 8977 | 8793 | 8649 | 8547 | 8514 | 8534 | 8597 | 8706 | |
| G 30.0 | 7814 | 7797 | 7808 | 7888 | 8034 | 8236 | 8034 | 7888 | 7808 | 7797 | 7814 | 7866 | 7963 | |
| G 35.0 | 7076 | 7048 | 7055 | 7130 | 7272 | 7472 | 7272 | 7130 | 7055 | 7048 | 7076 | 7126 | 7217 | |
| G 40.0 | 6305 | 6285 | 6310 | 6393 | 6534 | 6732 | 6534 | 6393 | 6310 | 6285 | 6305 | 6362 | 6465 | |
| G 45.0 | 5536 | 5518 | 5558 | 5651 | 5808 | 6037 | 5808 | 5651 | 5558 | 5518 | 5536 | 5608 | 5721 | |
| G 50.0 | 4271 | 4233 | 4453 | 4586 | 4668 | 4779 | 4668 | 4586 | 4453 | 4233 | 4271 | 4540 | 4632 | |
| G 55.0 | 2538 | 2622 | 3043 | 3613 | 3868 | 3717 | 3868 | 3613 | 3043 | 2622 | 2538 | 2892 | 3610 | |
| G 60.0 | 2069 | 2040 | 2000 | 2473 | 2877 | 2943 | 2877 | 2473 | 2000 | 2040 | 2069 | 2087 | 2562 | |
| G 65.0 | 1672 | 1631 | 1508 | 1866 | 2159 | 2334 | 2159 | 1866 | 1508 | 1631 | 1672 | 1586 | 1873 | |
| G 70.0 | 1205 | 1198 | 1381 | 1552 | 1598 | 1525 | 1598 | 1552 | 1381 | 1198 | 1205 | 1381 | 1507 | |
| G 75.0 | 1012 | 1001 | 991 | 1127 | 1257 | 1308 | 1257 | 1127 | 991 | 1001 | 1012 | 1022 | 1137 | |
| G 80.0 | 848 | 847 | 871 | 904 | 928 | 947 | 928 | 904 | 871 | 847 | 848 | 871 | 889 | |
| G 85.0 | 530 | 534 | 593 | 631 | 644 | 649 | 644 | 631 | 593 | 534 | 530 | 577 | 593 | |
| G 90.0 | 233 | 257 | 291 | 333 | 387 | 465 | 387 | 333 | 291 | 257 | 233 | 214 | 188 | |

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| Luminaire Flux | 2118 lm | Luminaire Power | 17.8 W | Efficacy | 118.923 lm/W | Efficiency | 70.58% |
| Source Flux | 3001 lm | Maximum value | 271.50 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 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 | 11515 |
| G 5.0 | 11097 | 11158 | 11097 | 11056 | 11036 | 11033 | 11034 | 11044 | 11075 | 11113 |
| G 10.0 | 10625 | 10731 | 10625 | 10551 | 10509 | 10494 | 10490 | 10505 | 10561 | 10629 |
| G 15.0 | 10101 | 10237 | 10101 | 9992 | 9918 | 9890 | 9885 | 9907 | 9978 | 10079 |
| G 20.0 | 9512 | 9700 | 9512 | 9367 | 9270 | 9221 | 9214 | 9254 | 9354 | 9484 |
| G 25.0 | 8861 | 9062 | 8861 | 8706 | 8597 | 8534 | 8514 | 8547 | 8649 | 8793 |
| G 30.0 | 8117 | 8340 | 8117 | 7963 | 7866 | 7814 | 7797 | 7808 | 7888 | 8034 |
| G 35.0 | 7364 | 7574 | 7364 | 7217 | 7126 | 7076 | 7048 | 7055 | 7130 | 7272 |
| G 40.0 | 6619 | 6828 | 6619 | 6465 | 6362 | 6305 | 6285 | 6310 | 6393 | 6534 |
| G 45.0 | 5880 | 6096 | 5880 | 5721 | 5608 | 5536 | 5518 | 5558 | 5651 | 5808 |
| G 50.0 | 4747 | 4903 | 4747 | 4632 | 4540 | 4271 | 4233 | 4453 | 4586 | 4668 |
| G 55.0 | 3989 | 3823 | 3989 | 3610 | 2892 | 2538 | 2622 | 3043 | 3613 | 3868 |
| G 60.0 | 2949 | 2998 | 2949 | 2562 | 2087 | 2069 | 2040 | 2000 | 2473 | 2877 |
| G 65.0 | 2143 | 2180 | 2143 | 1873 | 1586 | 1672 | 1631 | 1508 | 1866 | 2159 |
| G 70.0 | 1563 | 1591 | 1563 | 1507 | 1381 | 1205 | 1198 | 1381 | 1552 | 1598 |
| G 75.0 | 1258 | 1338 | 1258 | 1137 | 1022 | 1012 | 1001 | 991 | 1127 | 1257 |
| G 80.0 | 900 | 912 | 900 | 889 | 871 | 848 | 847 | 871 | 904 | 928 |
| G 85.0 | 573 | 533 | 573 | 593 | 577 | 530 | 534 | 593 | 631 | 644 |
| G 90.0 | 160 | 133 | 160 | 188 | 214 | 233 | 257 | 291 | 333 | 387 |