

Luminaire

Code 90714L286

Name ROFY 60 SQ D/I L0286W286 GCONTROL+ 840 HO

Measurem.

Code 8/8/2023

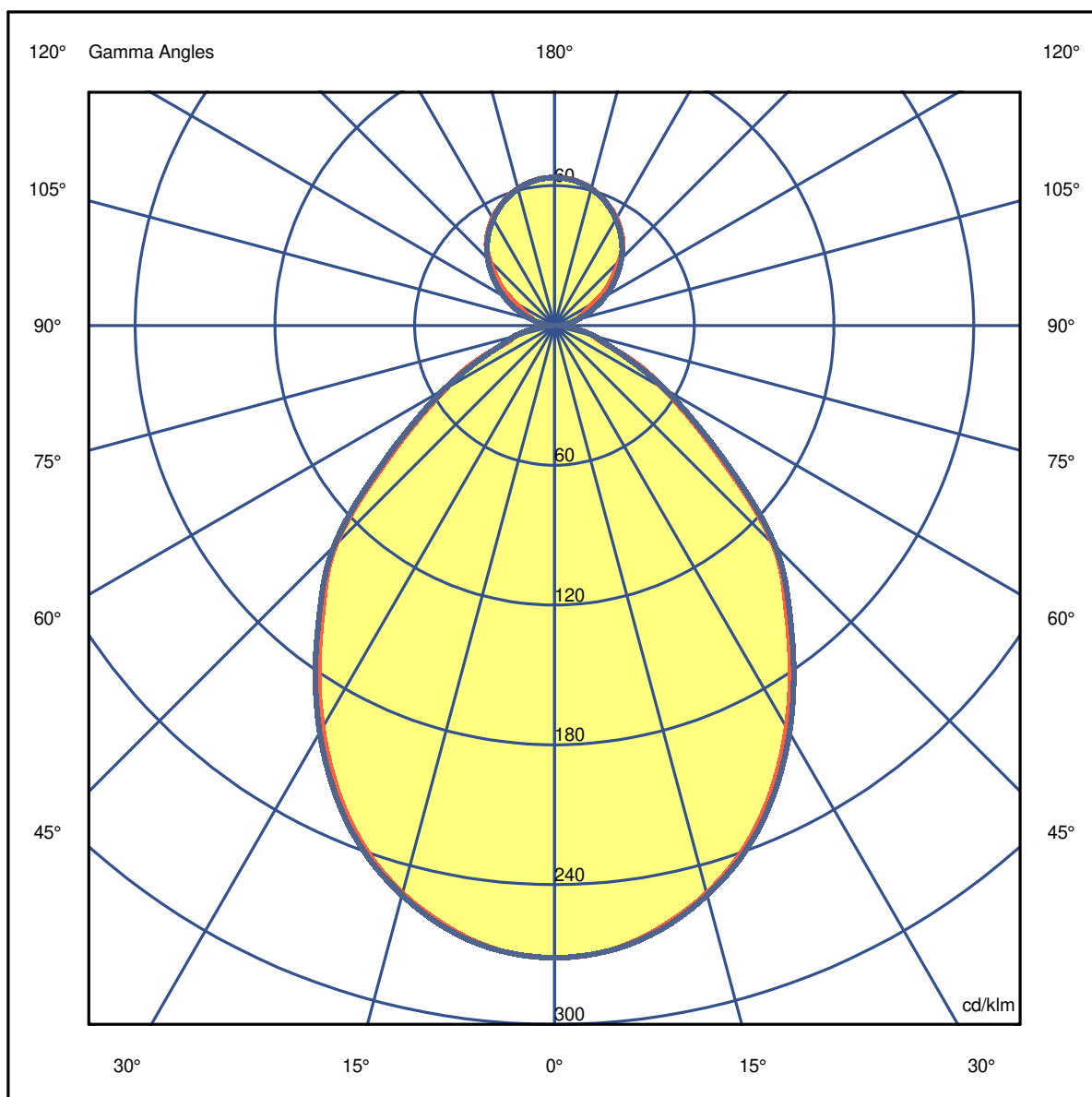
Name ROFY 60 SQ D/I L0286W286 GCONTROL+ 840 HO

| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2218 lm | Luminaire Power | 17.8 W | Efficacy | 124.511 lm/W | Efficiency | 70.58% |
| Source Flux | 3142 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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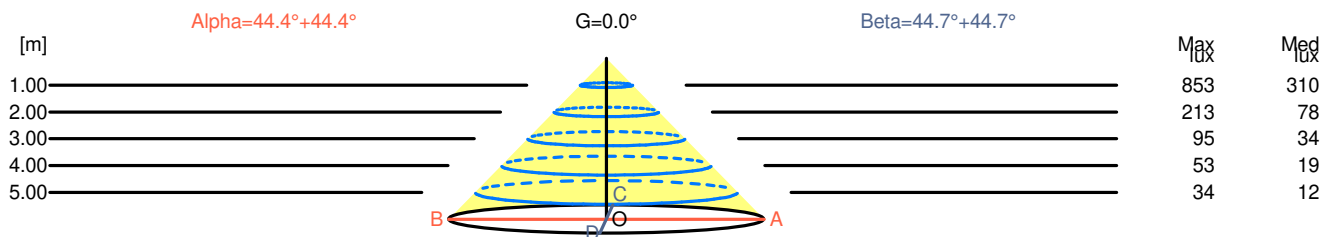
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2218 lm | Luminaire Power | 17.8 W | Efficacy | 124.511 lm/W | Efficiency | 70.58% |
| Source Flux | 3142 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 | 853.05 | 846.14 | 792.73 | 692.50 | 554.88 | 417.26 | 229.99 | 123.17 | 54.98 | 19.48 |
| OB | 853.05 | 846.14 | 792.73 | 692.50 | 554.88 | 417.26 | 229.99 | 123.17 | 54.98 | 19.48 |
| OC | 853.05 | 846.45 | 795.24 | 699.10 | 562.42 | 421.34 | 236.59 | 115.00 | 56.24 | 16.02 |
| OD | 853.05 | 846.45 | 795.24 | 699.10 | 562.42 | 421.34 | 236.59 | 115.00 | 56.24 | 16.02 |



| H[m] | D[m] | Max lux | Med lux | Alpha=44.4°+44.4° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.96 | 853 | 310 | | |
| 2.00 | 3.92 | 213 | 78 | | |
| 3.00 | 5.88 | 95 | 34 | | |
| 4.00 | 7.84 | 53 | 19 | | |
| 5.00 | 9.80 | 34 | 12 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=44.7°+44.7° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.98 | 853 | 310 | | |
| 2.00 | 3.96 | 213 | 78 | | |
| 3.00 | 5.93 | 95 | 34 | | |
| 4.00 | 7.91 | 53 | 19 | | |
| 5.00 | 9.89 | 34 | 12 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2218 lm | Luminaire Power | 17.8 W | Efficacy | 124.511 lm/W | Efficiency | 70.58% |
| Source Flux | 3142 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 | 15.2 | 16.1 | 15.8 | 16.7 | 17.3 | 15.3 | 16.2 | 15.9 | 16.8 | 17.4 |
| x=2H y=3H | 15.7 | 16.5 | 16.3 | 17.1 | 17.8 | 15.7 | 16.5 | 16.3 | 17.1 | 17.9 |
| x=2H y=4H | 15.8 | 16.6 | 16.5 | 17.2 | 18.0 | 15.9 | 16.6 | 16.5 | 17.3 | 18.0 |
| x=2H y=6H | 15.9 | 16.6 | 16.6 | 17.3 | 18.0 | 16.0 | 16.7 | 16.6 | 17.3 | 18.1 |
| x=2H y=8H | 15.9 | 16.6 | 16.6 | 17.3 | 18.1 | 16.0 | 16.6 | 16.7 | 17.3 | 18.1 |
| x=2H y=12H | 15.9 | 16.6 | 16.6 | 17.2 | 18.0 | 15.9 | 16.6 | 16.6 | 17.2 | 18.0 |
| x=4H y=2H | 15.2 | 15.9 | 15.8 | 16.6 | 17.3 | 15.3 | 16.0 | 15.9 | 16.7 | 17.4 |
| x=4H y=3H | 15.8 | 16.4 | 16.5 | 17.1 | 17.9 | 15.8 | 16.5 | 16.5 | 17.1 | 17.9 |
| x=4H y=4H | 16.0 | 16.6 | 16.8 | 17.3 | 18.1 | 16.1 | 16.6 | 16.8 | 17.3 | 18.1 |
| x=4H y=6H | 16.2 | 16.7 | 16.9 | 17.4 | 18.3 | 16.2 | 16.7 | 17.0 | 17.5 | 18.3 |
| x=4H y=8H | 16.3 | 16.7 | 17.0 | 17.4 | 18.3 | 16.3 | 16.7 | 17.0 | 17.5 | 18.3 |
| x=4H y=12H | 16.3 | 16.7 | 17.1 | 17.4 | 18.3 | 16.3 | 16.7 | 17.1 | 17.4 | 18.3 |
| x=8H y=4H | 16.0 | 16.4 | 16.8 | 17.2 | 18.1 | 16.1 | 16.5 | 16.8 | 17.2 | 18.1 |
| x=8H y=6H | 16.3 | 16.6 | 17.1 | 17.4 | 18.3 | 16.3 | 16.7 | 17.1 | 17.4 | 18.4 |
| x=8H y=8H | 16.4 | 16.7 | 17.2 | 17.5 | 18.4 | 16.4 | 16.7 | 17.2 | 17.5 | 18.4 |
| x=8H y=12H | 16.4 | 16.7 | 17.3 | 17.5 | 18.5 | 16.4 | 16.7 | 17.2 | 17.5 | 18.5 |
| x=12H y=4H | 16.0 | 16.4 | 16.7 | 17.1 | 18.0 | 16.0 | 16.4 | 16.8 | 17.2 | 18.1 |
| x=12H y=6H | 16.3 | 16.6 | 17.1 | 17.4 | 18.3 | 16.3 | 16.6 | 17.1 | 17.4 | 18.3 |
| x=12H y=8H | 16.4 | 16.6 | 17.2 | 17.4 | 18.4 | 16.4 | 16.7 | 17.2 | 17.5 | 18.4 |

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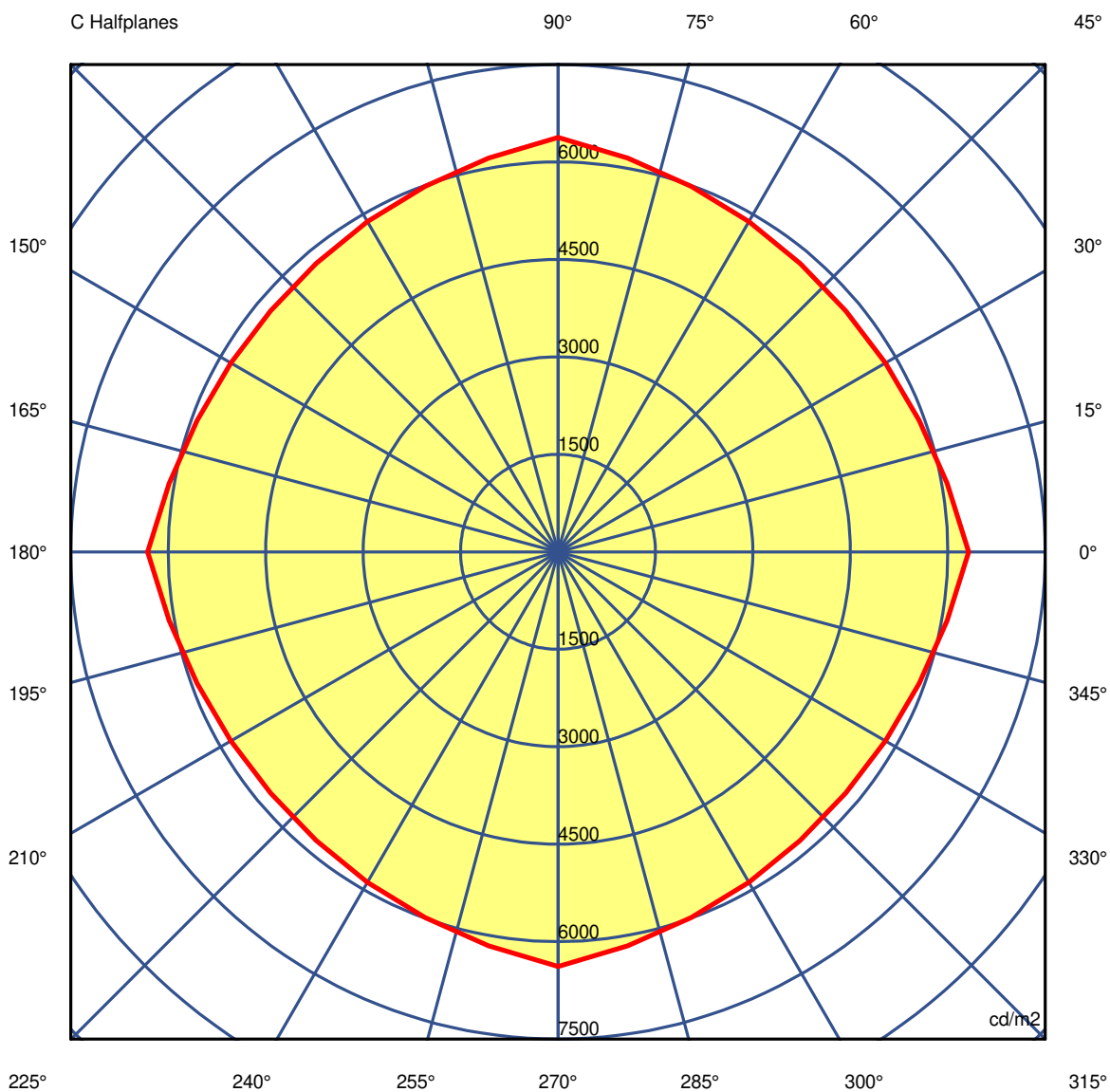
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 2218 lm | Luminaire Power | 17.8 W | Efficacy | 124.511 lm/W | Efficiency | 70.58% |
| Source Flux | 3142 lm | Maximum value | 271.50 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

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| Luminaire Flux | 2218 lm | | Luminaire Power | | 17.8 W | | Efficacy | | 124.511 lm/W | | Efficiency | | 70.58% | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 3142 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 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | |
| G 5.0 | 11678 | 11636 | 11595 | 11563 | 11553 | 11551 | 11554 | 11575 | 11619 | 11682 | 11619 | 11575 | 11554 | |
| G 10.0 | 11201 | 11128 | 11057 | 10999 | 10982 | 10987 | 11003 | 11046 | 11124 | 11235 | 11124 | 11046 | 11003 | |
| G 15.0 | 10684 | 10552 | 10447 | 10372 | 10349 | 10354 | 10384 | 10461 | 10575 | 10718 | 10575 | 10461 | 10384 | |
| G 20.0 | 10096 | 9930 | 9793 | 9689 | 9647 | 9655 | 9705 | 9808 | 9959 | 10156 | 9959 | 9808 | 9705 | |
| G 25.0 | 9398 | 9206 | 9055 | 8948 | 8914 | 8935 | 9001 | 9115 | 9278 | 9488 | 9278 | 9115 | 9001 | |
| G 30.0 | 8623 | 8412 | 8259 | 8175 | 8164 | 8182 | 8236 | 8337 | 8498 | 8731 | 8498 | 8337 | 8236 | |
| G 35.0 | 7823 | 7613 | 7465 | 7386 | 7379 | 7408 | 7461 | 7556 | 7710 | 7929 | 7710 | 7556 | 7461 | |
| G 40.0 | 7049 | 6841 | 6693 | 6606 | 6581 | 6601 | 6661 | 6769 | 6930 | 7149 | 6930 | 6769 | 6661 | |
| G 45.0 | 6320 | 6081 | 5916 | 5819 | 5777 | 5796 | 5871 | 5989 | 6156 | 6382 | 6156 | 5989 | 5871 | |
| G 50.0 | 5003 | 4887 | 4802 | 4662 | 4432 | 4472 | 4753 | 4850 | 4970 | 5133 | 4970 | 4850 | 4753 | |
| G 55.0 | 3891 | 4050 | 3782 | 3186 | 2745 | 2658 | 3028 | 3780 | 4176 | 4003 | 4176 | 3780 | 3028 | |
| G 60.0 | 3081 | 3012 | 2589 | 2094 | 2136 | 2166 | 2185 | 2683 | 3088 | 3139 | 3088 | 2683 | 2185 | |
| G 65.0 | 2444 | 2261 | 1954 | 1579 | 1708 | 1751 | 1661 | 1962 | 2244 | 2282 | 2244 | 1962 | 1661 | |
| G 70.0 | 1597 | 1673 | 1625 | 1446 | 1255 | 1262 | 1446 | 1578 | 1637 | 1666 | 1637 | 1578 | 1446 | |
| G 75.0 | 1369 | 1316 | 1180 | 1038 | 1048 | 1060 | 1070 | 1190 | 1317 | 1401 | 1317 | 1190 | 1070 | |
| G 80.0 | 991 | 972 | 947 | 912 | 886 | 888 | 912 | 931 | 942 | 955 | 942 | 931 | 912 | |
| G 85.0 | 679 | 674 | 661 | 621 | 559 | 555 | 604 | 621 | 600 | 559 | 600 | 621 | 604 | |
| G 90.0 | 486 | 405 | 349 | 305 | 270 | 244 | 224 | 196 | 167 | 139 | 167 | 196 | 224 | |

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| Luminaire Flux | 2218 lm | Luminaire Power | | 17.8 W | Efficacy | 124.511 lm/W | | Efficiency | 70.58% | | | | |
| Source Flux | 3142 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 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 |
| G 5.0 | 11551 | 11553 | 11563 | 11595 | 11636 | 11678 | 11636 | 11595 | 11563 | 11553 | 11551 | 11554 | 11575 |
| G 10.0 | 10987 | 10982 | 10999 | 11057 | 11128 | 11201 | 11128 | 11057 | 10999 | 10982 | 10987 | 11003 | 11046 |
| G 15.0 | 10354 | 10349 | 10372 | 10447 | 10552 | 10684 | 10552 | 10447 | 10372 | 10349 | 10354 | 10384 | 10461 |
| G 20.0 | 9655 | 9647 | 9689 | 9793 | 9930 | 10096 | 9930 | 9793 | 9689 | 9647 | 9655 | 9705 | 9808 |
| G 25.0 | 8935 | 8914 | 8948 | 9055 | 9206 | 9398 | 9206 | 9055 | 8948 | 8914 | 8935 | 9001 | 9115 |
| G 30.0 | 8182 | 8164 | 8175 | 8259 | 8412 | 8623 | 8412 | 8259 | 8175 | 8164 | 8182 | 8236 | 8337 |
| G 35.0 | 7408 | 7379 | 7386 | 7465 | 7613 | 7823 | 7613 | 7465 | 7386 | 7379 | 7408 | 7461 | 7556 |
| G 40.0 | 6601 | 6581 | 6606 | 6693 | 6841 | 7049 | 6841 | 6693 | 6606 | 6581 | 6601 | 6661 | 6769 |
| G 45.0 | 5796 | 5777 | 5819 | 5916 | 6081 | 6320 | 6081 | 5916 | 5819 | 5777 | 5796 | 5871 | 5989 |
| G 50.0 | 4472 | 4432 | 4662 | 4802 | 4887 | 5003 | 4887 | 4802 | 4662 | 4432 | 4472 | 4753 | 4850 |
| G 55.0 | 2658 | 2745 | 3186 | 3782 | 4050 | 3891 | 4050 | 3782 | 3186 | 2745 | 2658 | 3028 | 3780 |
| G 60.0 | 2166 | 2136 | 2094 | 2589 | 3012 | 3081 | 3012 | 2589 | 2094 | 2136 | 2166 | 2185 | 2683 |
| G 65.0 | 1751 | 1708 | 1579 | 1954 | 2261 | 2444 | 2261 | 1954 | 1579 | 1708 | 1751 | 1661 | 1962 |
| G 70.0 | 1262 | 1255 | 1446 | 1625 | 1673 | 1597 | 1673 | 1625 | 1446 | 1255 | 1262 | 1446 | 1578 |
| G 75.0 | 1060 | 1048 | 1038 | 1180 | 1316 | 1369 | 1316 | 1180 | 1038 | 1048 | 1060 | 1070 | 1190 |
| G 80.0 | 888 | 886 | 912 | 947 | 972 | 991 | 972 | 947 | 912 | 886 | 888 | 912 | 931 |
| G 85.0 | 555 | 559 | 621 | 661 | 674 | 679 | 674 | 661 | 621 | 559 | 555 | 604 | 621 |
| G 90.0 | 244 | 270 | 305 | 349 | 405 | 486 | 405 | 349 | 305 | 270 | 244 | 224 | 196 |

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| Luminaire Flux | 2218 lm | Luminaire Power | 17.8 W | Efficacy | 124.511 lm/W | Efficiency | 70.58% |
| Source Flux | 3142 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 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 | 12056 |
| G 5.0 | 11619 | 11682 | 11619 | 11575 | 11554 | 11551 | 11553 | 11563 | 11595 | 11636 |
| G 10.0 | 11124 | 11235 | 11124 | 11046 | 11003 | 10987 | 10982 | 10999 | 11057 | 11128 |
| G 15.0 | 10575 | 10718 | 10575 | 10461 | 10384 | 10354 | 10349 | 10372 | 10447 | 10552 |
| G 20.0 | 9959 | 10156 | 9959 | 9808 | 9705 | 9655 | 9647 | 9689 | 9793 | 9930 |
| G 25.0 | 9278 | 9488 | 9278 | 9115 | 9001 | 8935 | 8914 | 8948 | 9055 | 9206 |
| G 30.0 | 8498 | 8731 | 8498 | 8337 | 8236 | 8182 | 8164 | 8175 | 8259 | 8412 |
| G 35.0 | 7710 | 7929 | 7710 | 7556 | 7461 | 7408 | 7379 | 7386 | 7465 | 7613 |
| G 40.0 | 6930 | 7149 | 6930 | 6769 | 6661 | 6601 | 6581 | 6606 | 6693 | 6841 |
| G 45.0 | 6156 | 6382 | 6156 | 5989 | 5871 | 5796 | 5777 | 5819 | 5916 | 6081 |
| G 50.0 | 4970 | 5133 | 4970 | 4850 | 4753 | 4472 | 4432 | 4662 | 4802 | 4887 |
| G 55.0 | 4176 | 4003 | 4176 | 3780 | 3028 | 2658 | 2745 | 3186 | 3782 | 4050 |
| G 60.0 | 3088 | 3139 | 3088 | 2683 | 2185 | 2166 | 2136 | 2094 | 2589 | 3012 |
| G 65.0 | 2244 | 2282 | 2244 | 1962 | 1661 | 1751 | 1708 | 1579 | 1954 | 2261 |
| G 70.0 | 1637 | 1666 | 1637 | 1578 | 1446 | 1262 | 1255 | 1446 | 1625 | 1673 |
| G 75.0 | 1317 | 1401 | 1317 | 1190 | 1070 | 1060 | 1048 | 1038 | 1180 | 1316 |
| G 80.0 | 942 | 955 | 942 | 931 | 912 | 888 | 886 | 912 | 947 | 972 |
| G 85.0 | 600 | 559 | 600 | 621 | 604 | 555 | 559 | 621 | 661 | 674 |
| G 90.0 | 167 | 139 | 167 | 196 | 224 | 244 | 270 | 305 | 349 | 405 |