

Luminaire

Code 90583L400

Name ROFY 60 D0400 GCONTROL+ 840 HO

Measurem.

Code 4/8/2023

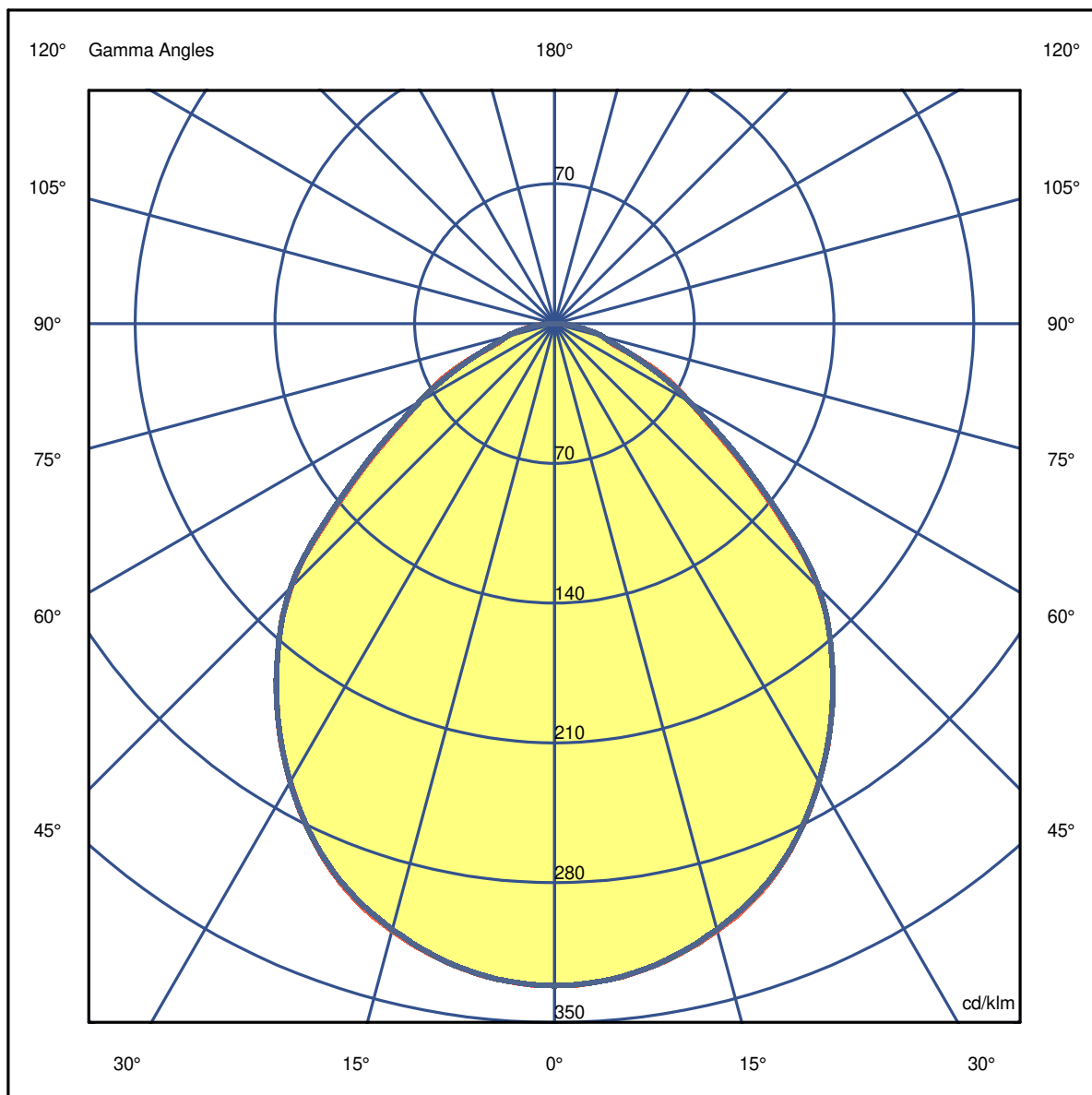
Name ROFY 60 D0400 GCONTROL+ 840 HO

| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3091 lm | Luminaire Power | 23.9 W | Efficacy | 129.604 lm/W | Efficiency | 72.14% |
| Source Flux | 4285 lm | Maximum value | 331.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=400mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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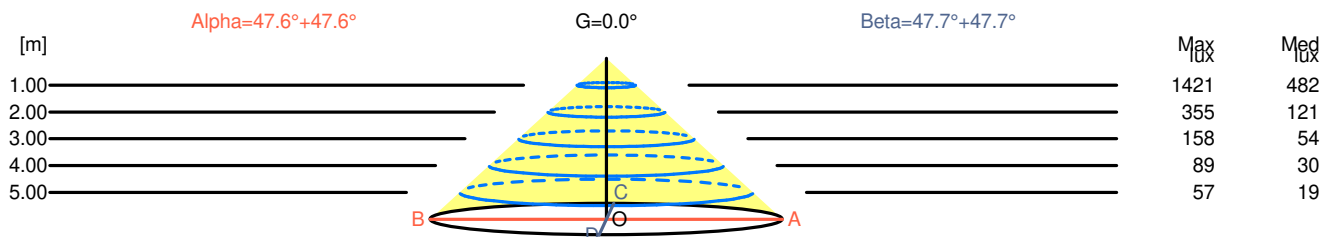
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| Source Flux | 4285 lm | Maximum value | 331.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

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 | 1.09 | 2.19 | 3.28 | 4.38 | 5.47 | OC | 1.10 | 2.20 | 3.30 | 4.40 | 5.50 |
| OB | 1.09 | 2.19 | 3.28 | 4.38 | 5.47 | OD | 1.10 | 2.20 | 3.30 | 4.40 | 5.50 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|---------|--------|--------|--------|--------|-------|
| OA | 1420.91 | 1412.34 | 1348.06 | 1223.80 | 1034.83 | 800.01 | 450.35 | 245.96 | 106.27 | 30.42 |
| OB | 1420.91 | 1412.34 | 1348.06 | 1223.80 | 1034.83 | 800.01 | 450.35 | 245.96 | 106.27 | 30.42 |
| OC | 1420.91 | 1411.91 | 1346.35 | 1222.94 | 1035.26 | 802.15 | 457.64 | 234.39 | 107.12 | 29.57 |
| OD | 1420.91 | 1411.91 | 1346.35 | 1222.94 | 1035.26 | 802.15 | 457.64 | 234.39 | 107.12 | 29.57 |



| H[m] | D[m] | Max lux | Med lux | Alpha=47.6°+47.6° | G=0.0 | |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.19 | 1421 | 482 | | | |
| 2.00 | 4.38 | 355 | 121 | | | |
| 3.00 | 6.57 | 158 | 54 | | | |
| 4.00 | 8.76 | 89 | 30 | | | |
| 5.00 | 10.95 | 57 | 19 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=47.7°+47.7° | G=0.0 | |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 2.20 | 1421 | 482 | | | |
| 2.00 | 4.40 | 355 | 121 | | | |
| 3.00 | 6.60 | 158 | 54 | | | |
| 4.00 | 8.79 | 89 | 30 | | | |
| 5.00 | 10.99 | 57 | 19 | | | |

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| Luminaire Flux | 3091 lm | Luminaire Power | 23.9 W | Efficacy | 129.604 lm/W | Efficiency | 72.14% |
| Source Flux | 4285 lm | Maximum value | 331.60 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 | 17.8 | 19.0 | 18.1 | 19.2 | 19.4 | 17.8 | 19.0 | 18.1 | 19.2 | 19.4 |
| x=2H y=3H | 18.4 | 19.5 | 18.7 | 19.7 | 20.0 | 18.4 | 19.4 | 18.7 | 19.7 | 20.0 |
| x=2H y=4H | 18.6 | 19.6 | 18.9 | 19.9 | 20.1 | 18.6 | 19.5 | 18.9 | 19.8 | 20.1 |
| x=2H y=6H | 18.7 | 19.6 | 19.1 | 19.9 | 20.2 | 18.7 | 19.6 | 19.1 | 19.9 | 20.2 |
| x=2H y=8H | 18.8 | 19.6 | 19.1 | 19.9 | 20.2 | 18.7 | 19.6 | 19.1 | 19.9 | 20.2 |
| x=2H y=12H | 18.8 | 19.6 | 19.1 | 19.9 | 20.2 | 18.7 | 19.6 | 19.1 | 19.9 | 20.2 |
| x=4H y=2H | 18.0 | 18.9 | 18.3 | 19.2 | 19.5 | 18.0 | 19.0 | 18.3 | 19.3 | 19.5 |
| x=4H y=3H | 18.7 | 19.5 | 19.1 | 19.8 | 20.2 | 18.7 | 19.5 | 19.0 | 19.8 | 20.1 |
| x=4H y=4H | 19.0 | 19.7 | 19.4 | 20.1 | 20.4 | 19.0 | 19.7 | 19.4 | 20.0 | 20.4 |
| x=4H y=6H | 19.2 | 19.9 | 19.6 | 20.2 | 20.6 | 19.2 | 19.8 | 19.6 | 20.2 | 20.6 |
| x=4H y=8H | 19.3 | 19.9 | 19.7 | 20.2 | 20.7 | 19.3 | 19.8 | 19.7 | 20.2 | 20.6 |
| x=4H y=12H | 19.3 | 19.8 | 19.7 | 20.2 | 20.7 | 19.3 | 19.8 | 19.7 | 20.2 | 20.6 |
| x=8H y=4H | 19.1 | 19.6 | 19.5 | 20.0 | 20.4 | 19.0 | 19.6 | 19.5 | 20.0 | 20.4 |
| x=8H y=6H | 19.4 | 19.9 | 19.8 | 20.3 | 20.7 | 19.4 | 19.8 | 19.8 | 20.3 | 20.7 |
| x=8H y=8H | 19.5 | 19.9 | 20.0 | 20.4 | 20.8 | 19.5 | 19.9 | 20.0 | 20.3 | 20.8 |
| x=8H y=12H | 19.6 | 19.9 | 20.1 | 20.4 | 20.9 | 19.6 | 19.9 | 20.0 | 20.4 | 20.9 |
| x=12H y=4H | 19.0 | 19.6 | 19.5 | 20.0 | 20.4 | 19.0 | 19.5 | 19.5 | 19.9 | 20.4 |
| x=12H y=6H | 19.4 | 19.8 | 19.9 | 20.3 | 20.7 | 19.4 | 19.8 | 19.9 | 20.2 | 20.7 |
| x=12H y=8H | 19.5 | 19.9 | 20.0 | 20.3 | 20.9 | 19.5 | 19.9 | 20.0 | 20.3 | 20.8 |

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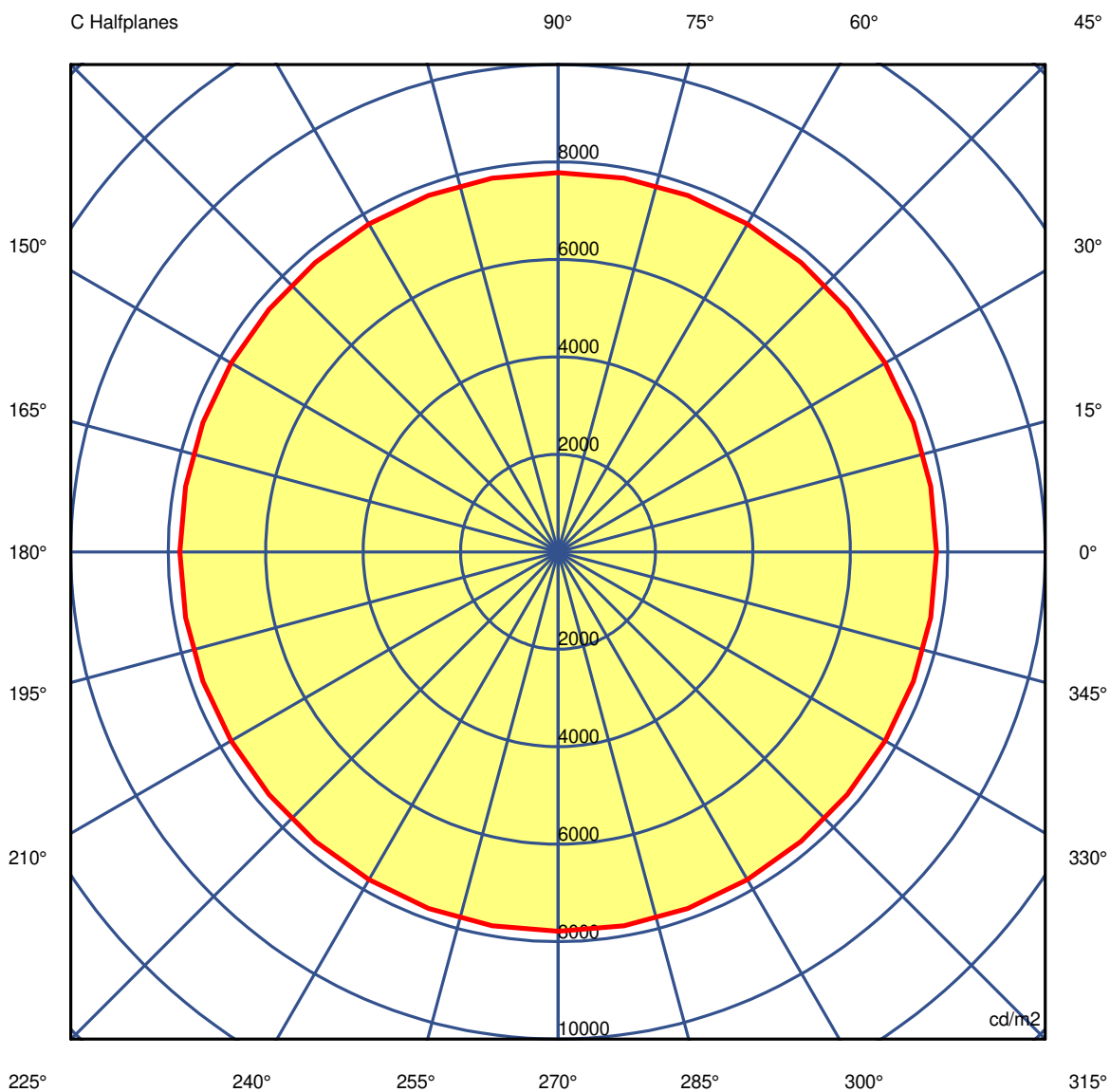
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 3091 lm | Luminaire Power | 23.9 W | Efficacy | 129.604 lm/W | Efficiency | 72.14% |
| Source Flux | 4285 lm | Maximum value | 331.60 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

Luminaire

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Measurement

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|--------------------------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux | 3091 lm | | Luminaire Power | | 23.9 W | | Efficacy | | 129.604 lm/W | | Efficiency | | 72.14% | |
| Source Flux | 4285 lm | | Maximum value | | 331.60 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 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | |
| G 5.0 | 12197 | 12190 | 12191 | 12197 | 12198 | 12196 | 12193 | 12190 | 12190 | 12193 | 12190 | 12190 | 12193 | |
| G 10.0 | 11825 | 11825 | 11823 | 11818 | 11818 | 11816 | 11811 | 11812 | 11816 | 11818 | 11816 | 11812 | 11811 | |
| G 15.0 | 11433 | 11429 | 11421 | 11411 | 11406 | 11403 | 11404 | 11409 | 11414 | 11419 | 11414 | 11409 | 11404 | |
| G 20.0 | 11028 | 11009 | 10988 | 10966 | 10949 | 10941 | 10948 | 10969 | 10988 | 10995 | 10988 | 10969 | 10948 | |
| G 25.0 | 10510 | 10497 | 10488 | 10481 | 10471 | 10464 | 10466 | 10481 | 10494 | 10503 | 10494 | 10481 | 10466 | |
| G 30.0 | 9929 | 9922 | 9924 | 9940 | 9964 | 9967 | 9947 | 9930 | 9925 | 9925 | 9925 | 9930 | 9947 | |
| G 35.0 | 9287 | 9292 | 9307 | 9341 | 9366 | 9371 | 9352 | 9314 | 9296 | 9291 | 9296 | 9314 | 9352 | |
| G 40.0 | 8595 | 8601 | 8614 | 8634 | 8657 | 8660 | 8642 | 8627 | 8609 | 8587 | 8609 | 8627 | 8642 | |
| G 45.0 | 7765 | 7765 | 7761 | 7752 | 7747 | 7753 | 7769 | 7785 | 7790 | 7785 | 7790 | 7785 | 7769 | |
| G 50.0 | 6293 | 6421 | 6493 | 6403 | 6126 | 6120 | 6394 | 6500 | 6462 | 6376 | 6462 | 6500 | 6394 | |
| G 55.0 | 4921 | 5288 | 5121 | 4500 | 4027 | 3987 | 4425 | 5113 | 5347 | 5001 | 5347 | 5113 | 4425 | |
| G 60.0 | 3937 | 3927 | 3636 | 3056 | 3134 | 3171 | 3168 | 3672 | 3925 | 3942 | 3925 | 3672 | 3168 | |
| G 65.0 | 3186 | 3104 | 2826 | 2420 | 2595 | 2638 | 2487 | 2785 | 2988 | 3036 | 2988 | 2785 | 2487 | |
| G 70.0 | 2070 | 2262 | 2311 | 2182 | 1980 | 1962 | 2132 | 2248 | 2247 | 2163 | 2247 | 2248 | 2132 | |
| G 75.0 | 1755 | 1817 | 1728 | 1585 | 1620 | 1623 | 1585 | 1710 | 1802 | 1769 | 1802 | 1710 | 1585 | |
| G 80.0 | 1240 | 1307 | 1369 | 1398 | 1372 | 1374 | 1406 | 1390 | 1332 | 1256 | 1332 | 1390 | 1406 | |
| G 85.0 | 723 | 821 | 905 | 917 | 821 | 818 | 907 | 887 | 800 | 703 | 800 | 887 | 907 | |
| G 90.0 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | |

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| Luminaire Flux | 3091 lm | | Luminaire Power | | 23.9 W | | Efficacy | | 129.604 lm/W | | Efficiency | | 72.14% | |
| Source Flux | 4285 lm | | Maximum value | | 331.60 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 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | |
| G 5.0 | 12196 | 12198 | 12197 | 12191 | 12190 | 12197 | 12190 | 12191 | 12197 | 12198 | 12196 | 12193 | 12190 | |
| G 10.0 | 11816 | 11818 | 11818 | 11823 | 11825 | 11825 | 11825 | 11823 | 11818 | 11818 | 11816 | 11811 | 11812 | |
| G 15.0 | 11403 | 11406 | 11411 | 11421 | 11429 | 11433 | 11429 | 11421 | 11411 | 11406 | 11403 | 11404 | 11409 | |
| G 20.0 | 10941 | 10949 | 10966 | 10988 | 11009 | 11028 | 11009 | 10988 | 10966 | 10949 | 10941 | 10948 | 10969 | |
| G 25.0 | 10464 | 10471 | 10481 | 10488 | 10497 | 10510 | 10497 | 10488 | 10481 | 10471 | 10464 | 10466 | 10481 | |
| G 30.0 | 9967 | 9964 | 9940 | 9924 | 9922 | 9929 | 9922 | 9924 | 9940 | 9964 | 9967 | 9947 | 9930 | |
| G 35.0 | 9371 | 9366 | 9341 | 9307 | 9292 | 9287 | 9292 | 9307 | 9341 | 9366 | 9371 | 9352 | 9314 | |
| G 40.0 | 8660 | 8657 | 8634 | 8614 | 8601 | 8595 | 8601 | 8614 | 8634 | 8657 | 8660 | 8642 | 8627 | |
| G 45.0 | 7753 | 7747 | 7752 | 7761 | 7765 | 7765 | 7765 | 7761 | 7752 | 7747 | 7753 | 7769 | 7785 | |
| G 50.0 | 6120 | 6126 | 6403 | 6493 | 6421 | 6293 | 6421 | 6493 | 6403 | 6126 | 6120 | 6394 | 6500 | |
| G 55.0 | 3987 | 4027 | 4500 | 5121 | 5288 | 4921 | 5288 | 5121 | 4500 | 4027 | 3987 | 4425 | 5113 | |
| G 60.0 | 3171 | 3134 | 3056 | 3636 | 3927 | 3937 | 3927 | 3636 | 3056 | 3134 | 3171 | 3168 | 3672 | |
| G 65.0 | 2638 | 2595 | 2420 | 2826 | 3104 | 3186 | 3104 | 2826 | 2420 | 2595 | 2638 | 2487 | 2785 | |
| G 70.0 | 1962 | 1980 | 2182 | 2311 | 2262 | 2070 | 2262 | 2311 | 2182 | 1980 | 1962 | 2132 | 2248 | |
| G 75.0 | 1623 | 1620 | 1585 | 1728 | 1817 | 1755 | 1817 | 1728 | 1585 | 1620 | 1623 | 1585 | 1710 | |
| G 80.0 | 1374 | 1372 | 1398 | 1369 | 1307 | 1240 | 1307 | 1369 | 1398 | 1372 | 1374 | 1406 | 1390 | |
| G 85.0 | 818 | 821 | 917 | 905 | 821 | 723 | 821 | 905 | 917 | 821 | 818 | 907 | 887 | |
| G 90.0 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | |

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| Luminaire Flux | 3091 lm | Luminaire Power | 23.9 W | Efficacy | 129.604 lm/W | Efficiency | 72.14% |
| Source Flux | 4285 lm | Maximum value | 331.60 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 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 | 12529 |
| G 5.0 | 12190 | 12193 | 12190 | 12190 | 12193 | 12196 | 12198 | 12197 | 12191 | 12190 |
| G 10.0 | 11816 | 11818 | 11816 | 11812 | 11811 | 11816 | 11818 | 11818 | 11823 | 11825 |
| G 15.0 | 11414 | 11419 | 11414 | 11409 | 11404 | 11403 | 11406 | 11411 | 11421 | 11429 |
| G 20.0 | 10988 | 10995 | 10988 | 10969 | 10948 | 10941 | 10949 | 10966 | 10988 | 11009 |
| G 25.0 | 10494 | 10503 | 10494 | 10481 | 10466 | 10464 | 10471 | 10481 | 10488 | 10497 |
| G 30.0 | 9925 | 9925 | 9925 | 9930 | 9947 | 9967 | 9964 | 9940 | 9924 | 9922 |
| G 35.0 | 9296 | 9291 | 9296 | 9314 | 9352 | 9371 | 9366 | 9341 | 9307 | 9292 |
| G 40.0 | 8609 | 8587 | 8609 | 8627 | 8642 | 8660 | 8657 | 8634 | 8614 | 8601 |
| G 45.0 | 7790 | 7785 | 7790 | 7785 | 7769 | 7753 | 7747 | 7752 | 7761 | 7765 |
| G 50.0 | 6462 | 6376 | 6462 | 6500 | 6394 | 6120 | 6126 | 6403 | 6493 | 6421 |
| G 55.0 | 5347 | 5001 | 5347 | 5113 | 4425 | 3987 | 4027 | 4500 | 5121 | 5288 |
| G 60.0 | 3925 | 3942 | 3925 | 3672 | 3168 | 3171 | 3134 | 3056 | 3636 | 3927 |
| G 65.0 | 2988 | 3036 | 2988 | 2785 | 2487 | 2638 | 2595 | 2420 | 2826 | 3104 |
| G 70.0 | 2247 | 2163 | 2247 | 2248 | 2132 | 1962 | 1980 | 2182 | 2311 | 2262 |
| G 75.0 | 1802 | 1769 | 1802 | 1710 | 1585 | 1623 | 1620 | 1585 | 1728 | 1817 |
| G 80.0 | 1332 | 1256 | 1332 | 1390 | 1406 | 1374 | 1372 | 1398 | 1369 | 1307 |
| G 85.0 | 800 | 703 | 800 | 887 | 907 | 818 | 821 | 917 | 905 | 821 |
| G 90.0 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |