

Luminaire

Code 90718L550

Name ROFY 60 SQ L0550W550 GCONTROL+ K3 830 HO

Measurem.

Code 9/8/2023

Name ROFY 60 SQ L0550W550 GCONTROL+ K3 830 HO

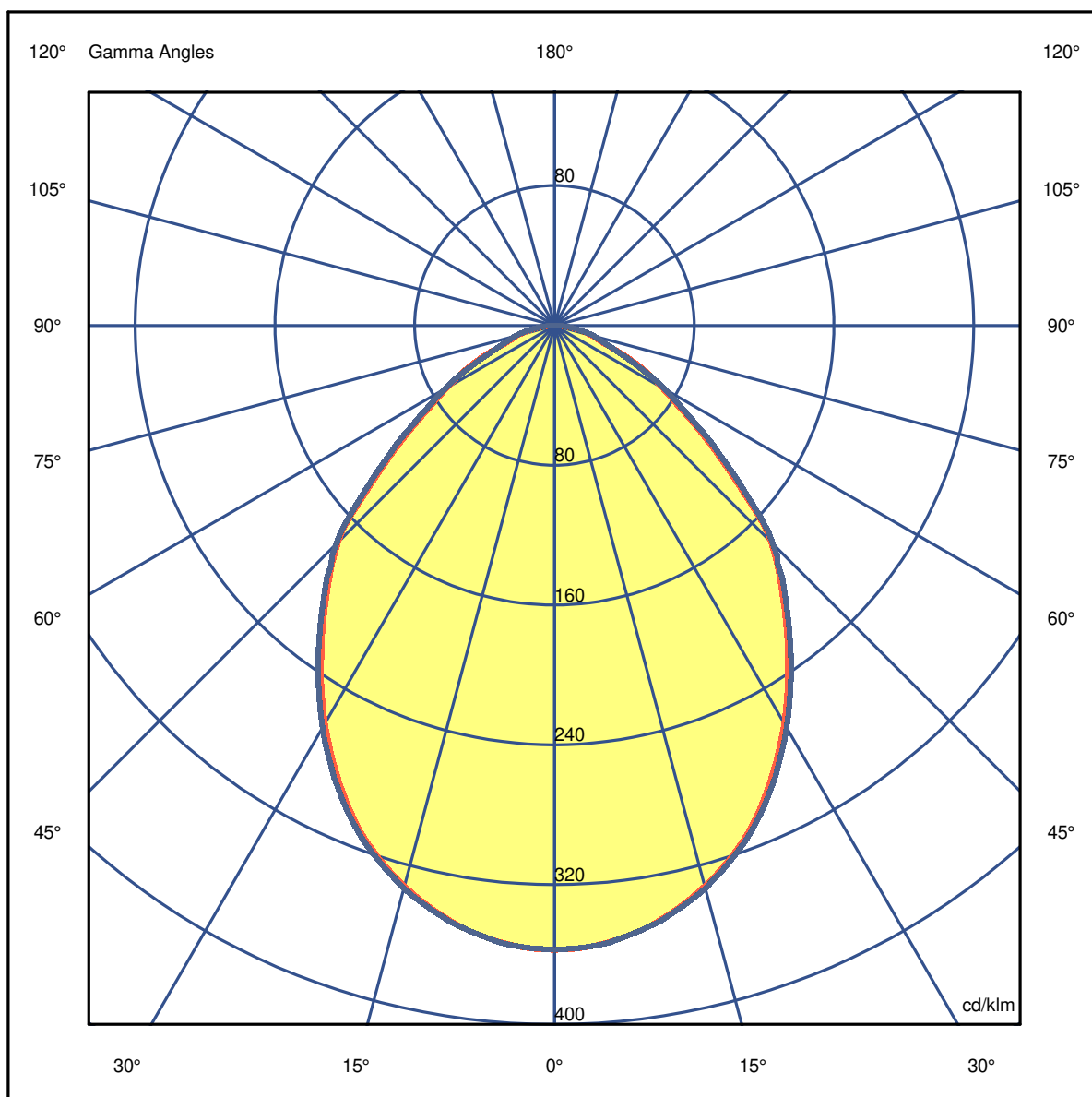
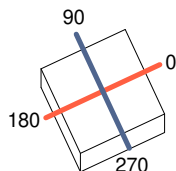
| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 5612 lm | Luminaire Power | 45.2 W | Efficacy | 124.087 lm/W | Efficiency | 70.54% |
| Source Flux | 7956 lm | Maximum value | 357.20 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

550mm x 550mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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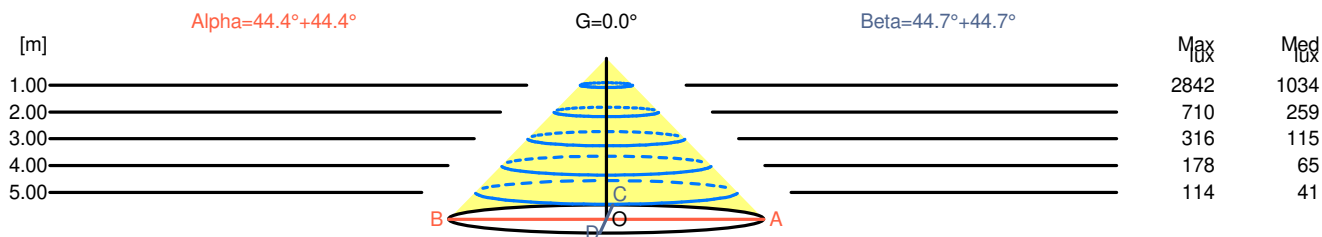
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Width at 50.00 % of Max Intensity

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 4.95 |
| OB | 0.98 | 1.96 | 2.94 | 3.92 | 4.90 | OD | 0.99 | 1.98 | 2.97 | 3.96 | 4.95 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|---------|---------|--------|--------|--------|-------|
| OA | 2841.88 | 2818.81 | 2642.19 | 2310.42 | 1852.16 | 1393.89 | 766.16 | 408.14 | 177.42 | 46.94 |
| OB | 2841.88 | 2818.81 | 2642.19 | 2310.42 | 1852.16 | 1393.89 | 766.16 | 408.14 | 177.42 | 46.94 |
| OC | 2841.88 | 2820.40 | 2652.53 | 2329.52 | 1877.62 | 1407.42 | 791.62 | 385.07 | 188.56 | 53.31 |
| OD | 2841.88 | 2820.40 | 2652.53 | 2329.52 | 1877.62 | 1407.42 | 791.62 | 385.07 | 188.56 | 53.31 |



| H[m] | D[m] | Max lux | Med lux | Alpha=44.4°+44.4° | G=0.0 | |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 1.96 | 2842 | 1034 | | | |
| 2.00 | 3.92 | 710 | 259 | | | |
| 3.00 | 5.88 | 316 | 115 | | | |
| 4.00 | 7.84 | 178 | 65 | | | |
| 5.00 | 9.80 | 114 | 41 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=44.7°+44.7° | G=0.0 | |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 1.98 | 2842 | 1034 | | | |
| 2.00 | 3.96 | 710 | 259 | | | |
| 3.00 | 5.95 | 316 | 115 | | | |
| 4.00 | 7.93 | 178 | 65 | | | |
| 5.00 | 9.91 | 114 | 41 | | | |

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| Luminaire Flux | 5612 lm | Luminaire Power | 45.2 W | Efficacy | 124.087 lm/W | Efficiency | 70.54% |
| Source Flux | 7956 lm | Maximum value | 357.20 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 | 16.7 | 17.8 | 17.0 | 18.1 | 18.3 | 16.8 | 18.0 | 17.1 | 18.2 | 18.4 |
| x=2H y=3H | 17.3 | 18.3 | 17.6 | 18.6 | 18.8 | 17.4 | 18.4 | 17.7 | 18.7 | 18.9 |
| x=2H y=4H | 17.5 | 18.5 | 17.8 | 18.7 | 19.0 | 17.6 | 18.6 | 17.9 | 18.8 | 19.1 |
| x=2H y=6H | 17.7 | 18.6 | 18.0 | 18.8 | 19.2 | 17.8 | 18.7 | 18.1 | 19.0 | 19.3 |
| x=2H y=8H | 17.7 | 18.5 | 18.0 | 18.8 | 19.2 | 17.8 | 18.7 | 18.2 | 19.0 | 19.3 |
| x=2H y=12H | 17.7 | 18.5 | 18.1 | 18.8 | 19.2 | 17.8 | 18.7 | 18.2 | 19.0 | 19.3 |
| x=4H y=2H | 16.8 | 17.8 | 17.1 | 18.1 | 18.3 | 16.9 | 17.9 | 17.3 | 18.2 | 18.4 |
| x=4H y=3H | 17.6 | 18.4 | 18.0 | 18.7 | 19.1 | 17.7 | 18.5 | 18.0 | 18.8 | 19.1 |
| x=4H y=4H | 17.9 | 18.6 | 18.3 | 19.0 | 19.3 | 18.0 | 18.7 | 18.4 | 19.1 | 19.4 |
| x=4H y=6H | 18.1 | 18.8 | 18.6 | 19.1 | 19.5 | 18.3 | 18.9 | 18.7 | 19.3 | 19.7 |
| x=4H y=8H | 18.2 | 18.8 | 18.6 | 19.2 | 19.6 | 18.4 | 18.9 | 18.8 | 19.3 | 19.7 |
| x=4H y=12H | 18.3 | 18.8 | 18.7 | 19.2 | 19.6 | 18.4 | 18.9 | 18.9 | 19.3 | 19.7 |
| x=8H y=4H | 18.0 | 18.5 | 18.4 | 18.9 | 19.3 | 18.1 | 18.6 | 18.5 | 19.0 | 19.4 |
| x=8H y=6H | 18.3 | 18.8 | 18.8 | 19.2 | 19.6 | 18.4 | 18.9 | 18.9 | 19.3 | 19.8 |
| x=8H y=8H | 18.4 | 18.8 | 18.9 | 19.3 | 19.7 | 18.6 | 19.0 | 19.0 | 19.4 | 19.9 |
| x=8H y=12H | 18.5 | 18.9 | 19.0 | 19.3 | 19.8 | 18.7 | 19.0 | 19.2 | 19.5 | 20.0 |
| x=12H y=4H | 18.0 | 18.5 | 18.4 | 18.9 | 19.3 | 18.1 | 18.6 | 18.5 | 19.0 | 19.4 |
| x=12H y=6H | 18.3 | 18.7 | 18.8 | 19.2 | 19.6 | 18.4 | 18.8 | 18.9 | 19.3 | 19.8 |
| x=12H y=8H | 18.5 | 18.8 | 19.0 | 19.3 | 19.8 | 18.6 | 19.0 | 19.1 | 19.4 | 19.9 |

Luminaire

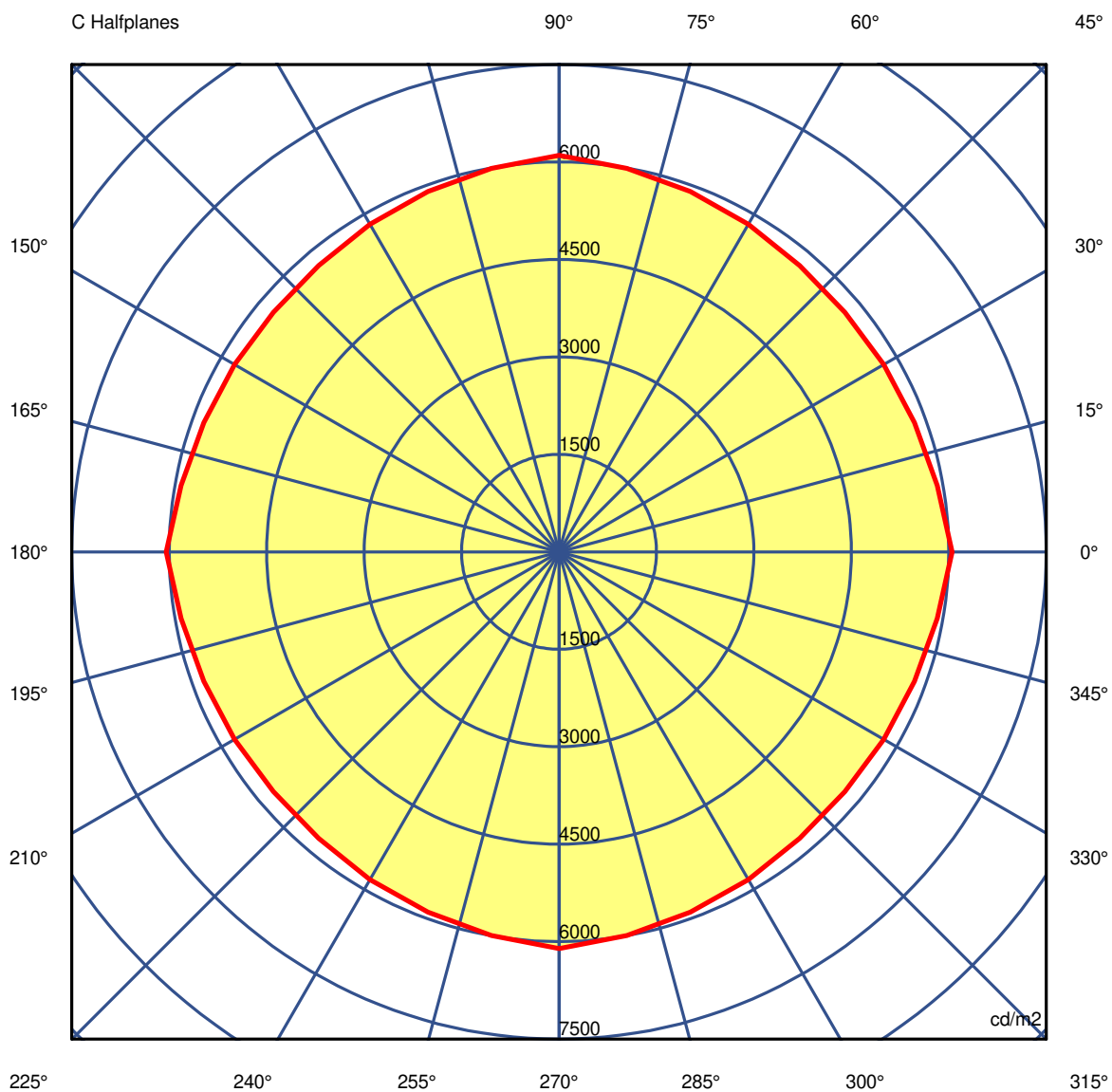
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| Source Flux | 7956 lm | Maximum value | 357.20 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

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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 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 |
| G 5.0 | 9934 | 9909 | 9894 | 9887 | 9879 | 9878 | 9887 | 9898 | 9915 | 9939 | 9915 | 9898 | 9887 |
| G 10.0 | 9669 | 9627 | 9595 | 9573 | 9563 | 9566 | 9581 | 9607 | 9642 | 9686 | 9642 | 9607 | 9581 |
| G 15.0 | 9337 | 9276 | 9229 | 9195 | 9180 | 9185 | 9209 | 9252 | 9308 | 9373 | 9308 | 9252 | 9209 |
| G 20.0 | 8951 | 8865 | 8791 | 8737 | 8719 | 8727 | 8760 | 8827 | 8907 | 8994 | 8907 | 8827 | 8760 |
| G 25.0 | 8444 | 8338 | 8265 | 8226 | 8208 | 8214 | 8251 | 8322 | 8411 | 8514 | 8411 | 8322 | 8251 |
| G 30.0 | 7872 | 7749 | 7675 | 7650 | 7649 | 7664 | 7697 | 7752 | 7836 | 7950 | 7836 | 7752 | 7697 |
| G 35.0 | 7237 | 7128 | 7060 | 7036 | 7045 | 7071 | 7105 | 7148 | 7225 | 7336 | 7225 | 7148 | 7105 |
| G 40.0 | 6622 | 6515 | 6446 | 6412 | 6406 | 6422 | 6462 | 6527 | 6613 | 6720 | 6613 | 6527 | 6462 |
| G 45.0 | 6048 | 5907 | 5818 | 5770 | 5739 | 5757 | 5822 | 5902 | 5994 | 6106 | 5994 | 5902 | 5822 |
| G 50.0 | 4890 | 4852 | 4823 | 4731 | 4547 | 4588 | 4832 | 4932 | 4962 | 5016 | 4962 | 4932 | 4832 |
| G 55.0 | 3869 | 4096 | 3884 | 3321 | 2907 | 2853 | 3238 | 3944 | 4256 | 3998 | 4256 | 3944 | 3238 |
| G 60.0 | 3139 | 3157 | 2762 | 2250 | 2304 | 2344 | 2369 | 2870 | 3240 | 3218 | 3240 | 2870 | 2369 |
| G 65.0 | 2558 | 2430 | 2141 | 1755 | 1918 | 1958 | 1833 | 2159 | 2439 | 2414 | 2439 | 2159 | 1833 |
| G 70.0 | 1730 | 1855 | 1841 | 1670 | 1461 | 1468 | 1675 | 1822 | 1865 | 1845 | 1865 | 1822 | 1675 |
| G 75.0 | 1527 | 1517 | 1404 | 1264 | 1271 | 1284 | 1306 | 1442 | 1566 | 1622 | 1566 | 1442 | 1306 |
| G 80.0 | 1102 | 1118 | 1112 | 1098 | 1113 | 1141 | 1171 | 1204 | 1207 | 1179 | 1207 | 1204 | 1171 |
| G 85.0 | 677 | 731 | 764 | 751 | 694 | 716 | 816 | 865 | 841 | 769 | 841 | 865 | 816 |
| G 90.0 | 159 | 137 | 124 | 116 | 104 | 100 | 103 | 110 | 122 | 141 | 122 | 110 | 103 |

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| Source Flux | 7956 lm | | Maximum value | | 357.20 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 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 |
| G 5.0 | 9878 | 9879 | 9887 | 9894 | 9909 | 9934 | 9909 | 9894 | 9887 | 9879 | 9878 | 9887 | 9898 |
| G 10.0 | 9566 | 9563 | 9573 | 9595 | 9627 | 9669 | 9627 | 9595 | 9573 | 9563 | 9566 | 9581 | 9607 |
| G 15.0 | 9185 | 9180 | 9195 | 9229 | 9276 | 9337 | 9276 | 9229 | 9195 | 9180 | 9185 | 9209 | 9252 |
| G 20.0 | 8727 | 8719 | 8737 | 8791 | 8865 | 8951 | 8865 | 8791 | 8737 | 8719 | 8727 | 8760 | 8827 |
| G 25.0 | 8214 | 8208 | 8226 | 8265 | 8338 | 8444 | 8338 | 8265 | 8226 | 8208 | 8214 | 8251 | 8322 |
| G 30.0 | 7664 | 7649 | 7650 | 7675 | 7749 | 7872 | 7749 | 7675 | 7650 | 7649 | 7664 | 7697 | 7752 |
| G 35.0 | 7071 | 7045 | 7036 | 7060 | 7128 | 7237 | 7128 | 7060 | 7036 | 7045 | 7071 | 7105 | 7148 |
| G 40.0 | 6422 | 6406 | 6412 | 6446 | 6515 | 6622 | 6515 | 6446 | 6412 | 6406 | 6422 | 6462 | 6527 |
| G 45.0 | 5757 | 5739 | 5770 | 5818 | 5907 | 6048 | 5907 | 5818 | 5770 | 5739 | 5757 | 5822 | 5902 |
| G 50.0 | 4588 | 4547 | 4731 | 4823 | 4852 | 4890 | 4852 | 4823 | 4731 | 4547 | 4588 | 4832 | 4932 |
| G 55.0 | 2853 | 2907 | 3321 | 3884 | 4096 | 3869 | 4096 | 3884 | 3321 | 2907 | 2853 | 3238 | 3944 |
| G 60.0 | 2344 | 2304 | 2250 | 2762 | 3157 | 3139 | 3157 | 2762 | 2250 | 2304 | 2344 | 2369 | 2870 |
| G 65.0 | 1958 | 1918 | 1755 | 2141 | 2430 | 2558 | 2430 | 2141 | 1755 | 1918 | 1958 | 1833 | 2159 |
| G 70.0 | 1468 | 1461 | 1670 | 1841 | 1855 | 1730 | 1855 | 1841 | 1670 | 1461 | 1468 | 1675 | 1822 |
| G 75.0 | 1284 | 1271 | 1264 | 1404 | 1517 | 1527 | 1517 | 1404 | 1264 | 1271 | 1284 | 1306 | 1442 |
| G 80.0 | 1141 | 1113 | 1098 | 1112 | 1118 | 1102 | 1118 | 1112 | 1098 | 1113 | 1141 | 1171 | 1204 |
| G 85.0 | 716 | 694 | 751 | 764 | 731 | 677 | 731 | 764 | 751 | 694 | 716 | 816 | 865 |
| G 90.0 | 100 | 104 | 116 | 124 | 137 | 159 | 137 | 124 | 116 | 104 | 100 | 103 | 110 |

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| Source Flux | 7956 lm | Maximum value | 357.20 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 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 | 10117 |
| G 5.0 | 9915 | 9939 | 9915 | 9898 | 9887 | 9878 | 9879 | 9887 | 9894 | 9909 |
| G 10.0 | 9642 | 9686 | 9642 | 9607 | 9581 | 9566 | 9563 | 9573 | 9595 | 9627 |
| G 15.0 | 9308 | 9373 | 9308 | 9252 | 9209 | 9185 | 9180 | 9195 | 9229 | 9276 |
| G 20.0 | 8907 | 8994 | 8907 | 8827 | 8760 | 8727 | 8719 | 8737 | 8791 | 8865 |
| G 25.0 | 8411 | 8514 | 8411 | 8322 | 8251 | 8214 | 8208 | 8226 | 8265 | 8338 |
| G 30.0 | 7836 | 7950 | 7836 | 7752 | 7697 | 7664 | 7649 | 7650 | 7675 | 7749 |
| G 35.0 | 7225 | 7336 | 7225 | 7148 | 7105 | 7071 | 7045 | 7036 | 7060 | 7128 |
| G 40.0 | 6613 | 6720 | 6613 | 6527 | 6462 | 6422 | 6406 | 6412 | 6446 | 6515 |
| G 45.0 | 5994 | 6106 | 5994 | 5902 | 5822 | 5757 | 5739 | 5770 | 5818 | 5907 |
| G 50.0 | 4962 | 5016 | 4962 | 4932 | 4832 | 4588 | 4547 | 4731 | 4823 | 4852 |
| G 55.0 | 4256 | 3998 | 4256 | 3944 | 3238 | 2853 | 2907 | 3321 | 3884 | 4096 |
| G 60.0 | 3240 | 3218 | 3240 | 2870 | 2369 | 2344 | 2304 | 2250 | 2762 | 3157 |
| G 65.0 | 2439 | 2414 | 2439 | 2159 | 1833 | 1958 | 1918 | 1755 | 2141 | 2430 |
| G 70.0 | 1865 | 1845 | 1865 | 1822 | 1675 | 1468 | 1461 | 1670 | 1841 | 1855 |
| G 75.0 | 1566 | 1622 | 1566 | 1442 | 1306 | 1284 | 1271 | 1264 | 1404 | 1517 |
| G 80.0 | 1207 | 1179 | 1207 | 1204 | 1171 | 1141 | 1113 | 1098 | 1112 | 1118 |
| G 85.0 | 841 | 769 | 841 | 865 | 816 | 716 | 694 | 751 | 764 | 731 |
| G 90.0 | 122 | 141 | 122 | 110 | 103 | 100 | 104 | 116 | 124 | 137 |