

Luminaire

Code 90883L012

Name REBA 50 LITE /C LINE L1200 BGLARE 830 G

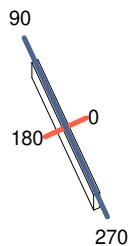
Measur.

Code 28/6/2024

Name REBA 50 LITE /C LINE L1200 BGLARE 830 G

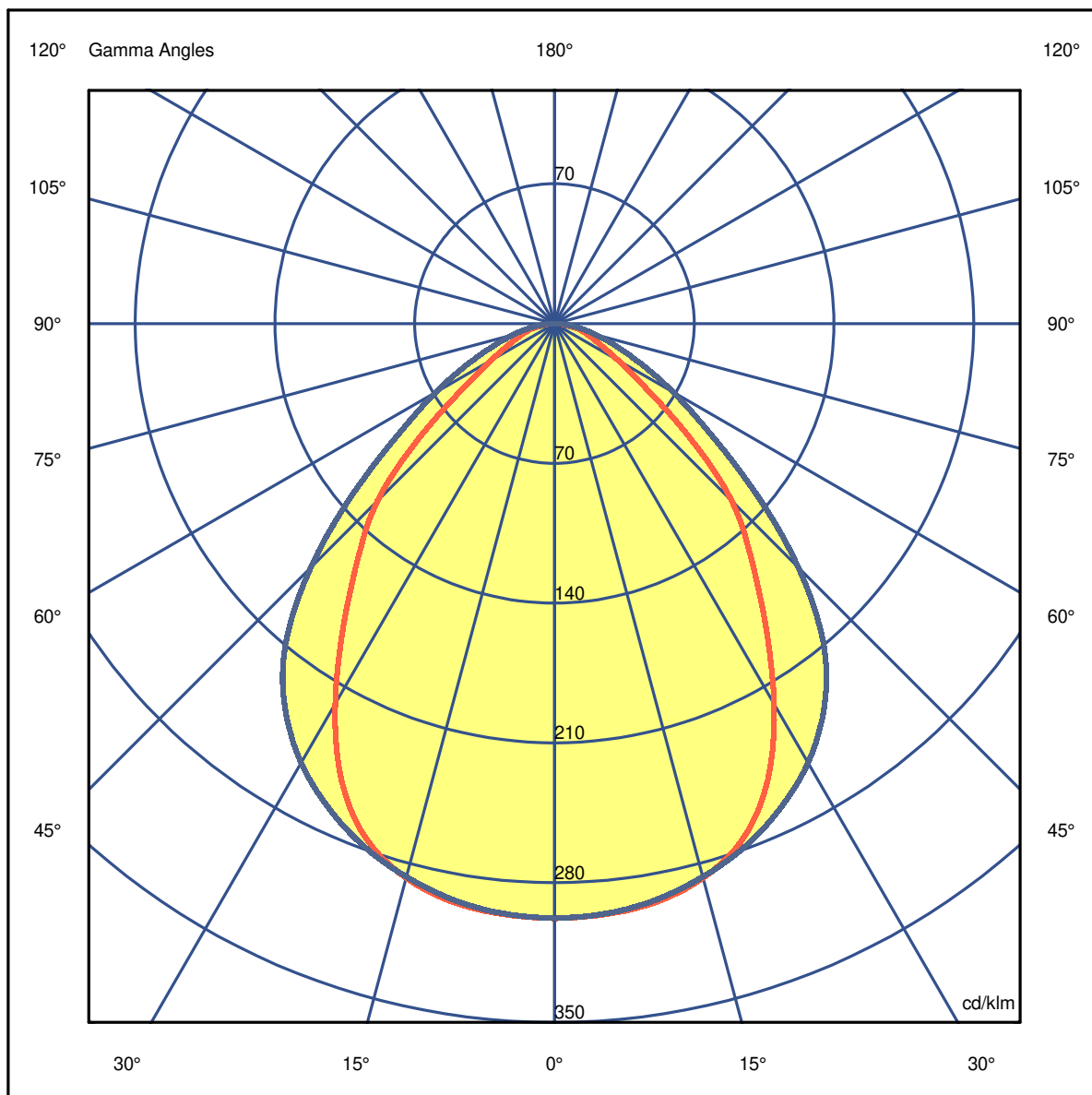
| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1502 lm | Luminaire Power | 15.1 W | Efficacy | 99.298 lm/W | Efficiency | 60.58% |
| Source Flux | 2480 lm | Maximum value | 297.80 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

1122mm x 51mm



C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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Measurem.

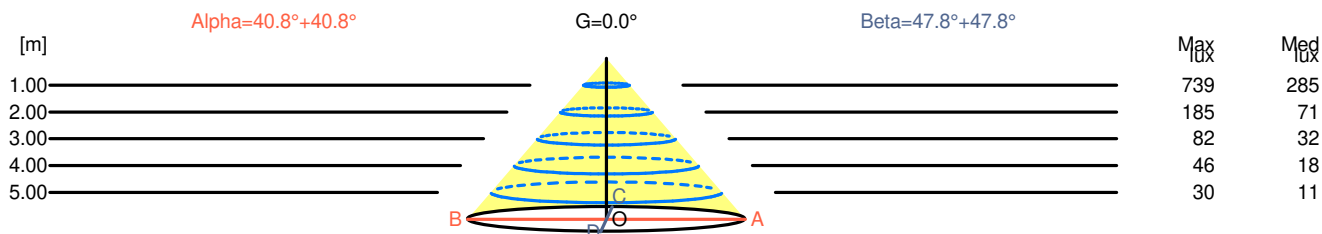
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1502 lm | Luminaire Power | 15.1 W | Efficacy | 99.298 lm/W | Efficiency | 60.58% |
| Source Flux | 2480 lm | Maximum value | 297.80 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 | 0.86 | 1.73 | 2.59 | 3.45 | 4.31 | OC | 1.10 | 2.21 | 3.31 | 4.42 | 5.52 |
| OB | 0.86 | 1.73 | 2.59 | 3.45 | 4.31 | OD | 1.10 | 2.21 | 3.31 | 4.42 | 5.52 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| OA | 738.54 | 736.31 | 712.75 | 626.20 | 457.06 | 310.99 | 135.66 | 63.98 | 34.72 | 11.16 |
| OB | 738.54 | 736.31 | 712.75 | 626.20 | 457.06 | 310.99 | 135.66 | 63.98 | 34.72 | 11.16 |
| OC | 738.54 | 735.32 | 711.26 | 664.14 | 583.54 | 428.30 | 233.37 | 119.29 | 53.57 | 14.63 |
| OD | 738.54 | 735.32 | 711.26 | 664.14 | 583.54 | 428.30 | 233.37 | 119.29 | 53.57 | 14.63 |



| H[m] | D[m] | Max lux | Med lux | Alpha=40.8°+40.8° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.73 | 739 | 285 | | |
| 2.00 | 3.45 | 185 | 71 | | |
| 3.00 | 5.18 | 82 | 32 | | |
| 4.00 | 6.90 | 46 | 18 | | |
| 5.00 | 8.63 | 30 | 11 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=47.8°+47.8° | G=0.0 |
|------|-------|---------|---------|------------------|-------|
| 1.00 | 2.21 | 739 | 285 | | |
| 2.00 | 4.42 | 185 | 71 | | |
| 3.00 | 6.63 | 82 | 32 | | |
| 4.00 | 8.84 | 46 | 18 | | |
| 5.00 | 11.05 | 30 | 11 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1502 lm | Luminaire Power | 15.1 W | Efficacy | 99.298 lm/W | Efficiency | 60.58% |
| Source Flux | 2480 lm | Maximum value | 297.80 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 | 14.3 | 15.4 | 14.6 | 15.6 | 15.8 | 18.1 | 19.2 | 18.4 | 19.5 | 19.7 |
| x=2H y=3H | 14.5 | 15.5 | 14.8 | 15.7 | 16.0 | 18.7 | 19.7 | 19.1 | 20.0 | 20.2 |
| x=2H y=4H | 14.5 | 15.5 | 14.9 | 15.7 | 16.0 | 19.0 | 19.9 | 19.3 | 20.2 | 20.5 |
| x=2H y=6H | 14.6 | 15.4 | 14.9 | 15.7 | 16.0 | 19.2 | 20.0 | 19.5 | 20.3 | 20.6 |
| x=2H y=8H | 14.6 | 15.4 | 14.9 | 15.7 | 16.0 | 19.2 | 20.0 | 19.6 | 20.4 | 20.6 |
| x=2H y=12H | 14.5 | 15.3 | 14.9 | 15.7 | 16.0 | 19.2 | 20.0 | 19.6 | 20.4 | 20.7 |
| x=4H y=2H | 14.7 | 15.6 | 15.0 | 15.9 | 16.2 | 18.1 | 19.0 | 18.4 | 19.3 | 19.6 |
| x=4H y=3H | 15.0 | 15.8 | 15.4 | 16.1 | 16.4 | 18.8 | 19.6 | 19.2 | 20.0 | 20.3 |
| x=4H y=4H | 15.1 | 15.8 | 15.5 | 16.2 | 16.5 | 19.2 | 19.8 | 19.5 | 20.2 | 20.5 |
| x=4H y=6H | 15.2 | 15.8 | 15.6 | 16.2 | 16.6 | 19.4 | 20.0 | 19.8 | 20.4 | 20.8 |
| x=4H y=8H | 15.2 | 15.8 | 15.6 | 16.2 | 16.6 | 19.5 | 20.0 | 19.9 | 20.4 | 20.8 |
| x=4H y=12H | 15.2 | 15.7 | 15.7 | 16.1 | 16.5 | 19.5 | 20.0 | 20.0 | 20.4 | 20.9 |
| x=8H y=4H | 15.2 | 15.8 | 15.7 | 16.2 | 16.6 | 19.1 | 19.7 | 19.5 | 20.1 | 20.5 |
| x=8H y=6H | 15.4 | 15.8 | 15.8 | 16.2 | 16.7 | 19.4 | 19.8 | 19.8 | 20.3 | 20.7 |
| x=8H y=8H | 15.4 | 15.8 | 15.9 | 16.2 | 16.7 | 19.5 | 19.9 | 20.0 | 20.3 | 20.8 |
| x=8H y=12H | 15.4 | 15.8 | 15.9 | 16.2 | 16.7 | 19.6 | 19.9 | 20.1 | 20.4 | 20.9 |
| x=12H y=4H | 15.2 | 15.7 | 15.7 | 16.1 | 16.6 | 19.1 | 19.6 | 19.5 | 20.0 | 20.4 |
| x=12H y=6H | 15.4 | 15.8 | 15.9 | 16.2 | 16.7 | 19.4 | 19.7 | 19.8 | 20.2 | 20.7 |
| x=12H y=8H | 15.4 | 15.8 | 15.9 | 16.3 | 16.8 | 19.5 | 19.8 | 20.0 | 20.3 | 20.8 |

Luminaire

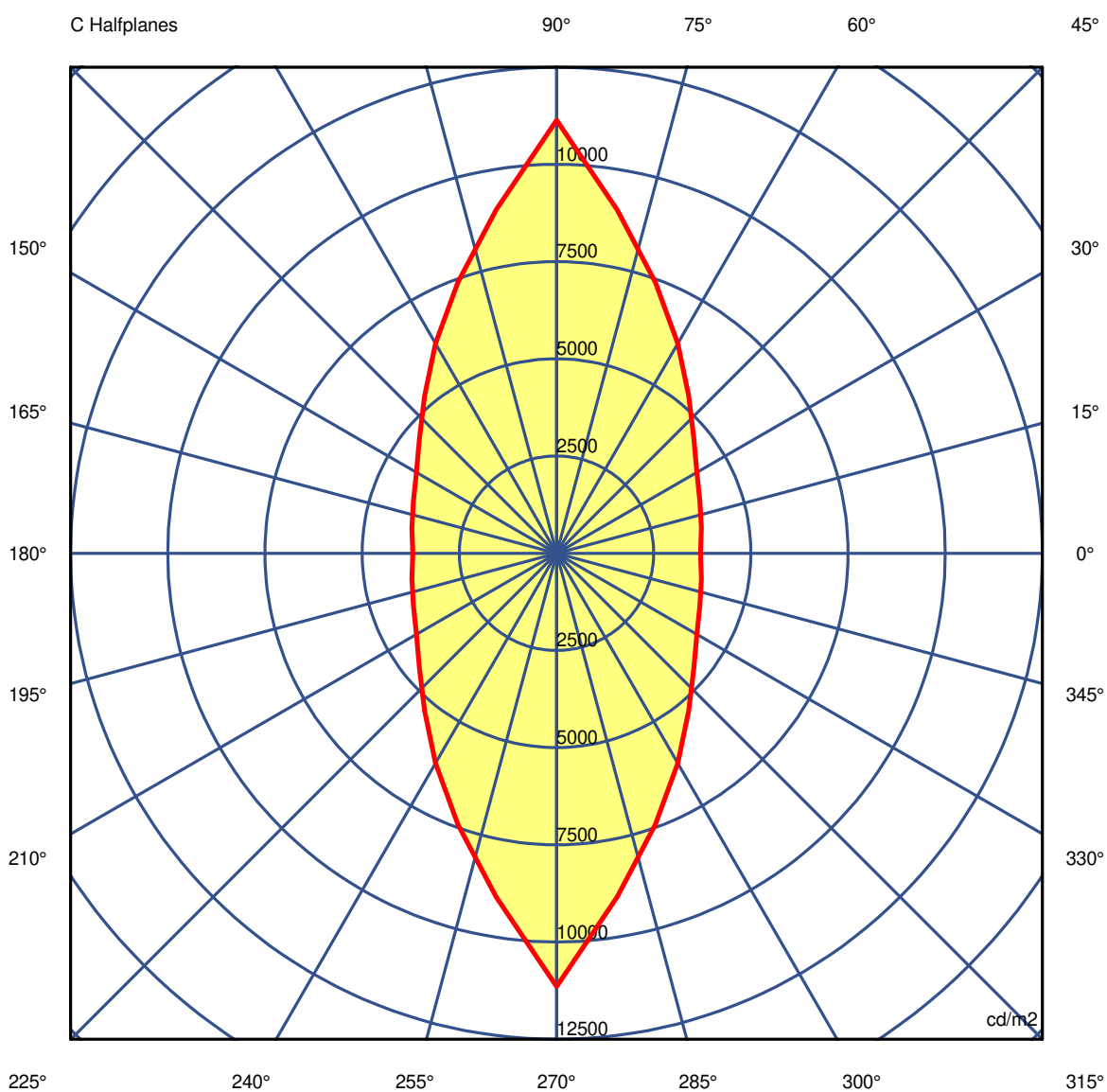
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1502 lm | Luminaire Power | 15.1 W | Efficacy | 99.298 lm/W | Efficiency | 60.58% |
| Source Flux | 2480 lm | Maximum value | 297.80 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Luminance



45.0°

Luminaire

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| Luminaire Flux | 1502 lm | | Luminaire Power | | 15.1 W | | Efficacy | | 99.298 lm/W | | Efficiency | | 60.58% | |
|---------------------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 2480 lm | | Maximum value | | 297.80 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 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | |
| G 5.0 | 12854 | 12865 | 12917 | 13009 | 13138 | 13304 | 13505 | 13726 | 13969 | 14235 | 13969 | 13726 | 13505 | |
| G 10.0 | 11667 | 11681 | 11764 | 11919 | 12146 | 12415 | 12741 | 13171 | 13653 | 14158 | 13653 | 13171 | 12741 | |
| G 15.0 | 10594 | 10622 | 10742 | 10949 | 11236 | 11609 | 12072 | 12623 | 13284 | 14066 | 13284 | 12623 | 12072 | |
| G 20.0 | 9535 | 9575 | 9727 | 9990 | 10349 | 10818 | 11399 | 12088 | 12940 | 13979 | 12940 | 12088 | 11399 | |
| G 25.0 | 8324 | 8380 | 8578 | 8925 | 9395 | 9989 | 10702 | 11524 | 12560 | 13853 | 12560 | 11524 | 10702 | |
| G 30.0 | 6957 | 7041 | 7284 | 7696 | 8247 | 8984 | 9893 | 10898 | 12108 | 13666 | 12108 | 10898 | 9893 | |
| G 35.0 | 5650 | 5702 | 5913 | 6327 | 6949 | 7769 | 8796 | 10051 | 11484 | 13304 | 11484 | 10051 | 8796 | |
| G 40.0 | 4585 | 4632 | 4814 | 5170 | 5720 | 6482 | 7514 | 8887 | 10540 | 12589 | 10540 | 8887 | 7514 | |
| G 45.0 | 3698 | 3777 | 3921 | 4169 | 4605 | 5289 | 6233 | 7423 | 8968 | 11140 | 8968 | 7423 | 6233 | |
| G 50.0 | 2566 | 2627 | 2783 | 3077 | 3535 | 4154 | 4944 | 5953 | 7279 | 9199 | 7279 | 5953 | 4944 | |
| G 55.0 | 1601 | 1642 | 1784 | 2104 | 2494 | 3035 | 3770 | 4653 | 5743 | 7324 | 5743 | 4653 | 3770 | |
| G 60.0 | 1082 | 1104 | 1192 | 1415 | 1731 | 2165 | 2753 | 3528 | 4529 | 6043 | 4529 | 3528 | 2753 | |
| G 65.0 | 773 | 789 | 852 | 1003 | 1218 | 1548 | 2012 | 2586 | 3409 | 4906 | 3409 | 2586 | 2012 | |
| G 70.0 | 579 | 593 | 651 | 750 | 876 | 1099 | 1449 | 1887 | 2572 | 4006 | 2572 | 1887 | 1449 | |
| G 75.0 | 443 | 452 | 487 | 559 | 641 | 787 | 1035 | 1388 | 1964 | 3343 | 1964 | 1388 | 1035 | |
| G 80.0 | 306 | 309 | 333 | 388 | 444 | 533 | 692 | 947 | 1413 | 2739 | 1413 | 947 | 692 | |
| G 85.0 | 156 | 159 | 174 | 206 | 236 | 276 | 350 | 490 | 790 | 2019 | 790 | 490 | 350 | |
| G 90.0 | 37 | 37 | 39 | 42 | 49 | 61 | 76 | 94 | 147 | 719 | 147 | 94 | 76 | |

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| Luminaire Flux | 1502 lm | | Luminaire Power | | 15.1 W | | Efficacy | | 99.298 lm/W | | Efficiency | | 60.58% | |
|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Source Flux | 2480 lm | | Maximum value | | 297.80 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 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | |
| G 5.0 | 13304 | 13138 | 13009 | 12917 | 12865 | 12854 | 12865 | 12917 | 13009 | 13138 | 13304 | 13505 | 13726 | |
| G 10.0 | 12415 | 12146 | 11919 | 11764 | 11681 | 11667 | 11681 | 11764 | 11919 | 12146 | 12415 | 12741 | 13171 | |
| G 15.0 | 11609 | 11236 | 10949 | 10742 | 10622 | 10594 | 10622 | 10742 | 10949 | 11236 | 11609 | 12072 | 12623 | |
| G 20.0 | 10818 | 10349 | 9990 | 9727 | 9575 | 9535 | 9575 | 9727 | 9990 | 10349 | 10818 | 11399 | 12088 | |
| G 25.0 | 9989 | 9395 | 8925 | 8578 | 8380 | 8324 | 8380 | 8578 | 8925 | 9395 | 9989 | 10702 | 11524 | |
| G 30.0 | 8984 | 8247 | 7696 | 7284 | 7041 | 6957 | 7041 | 7284 | 7696 | 8247 | 8984 | 9893 | 10898 | |
| G 35.0 | 7769 | 6949 | 6327 | 5913 | 5702 | 5650 | 5702 | 5913 | 6327 | 6949 | 7769 | 8796 | 10051 | |
| G 40.0 | 6482 | 5720 | 5170 | 4814 | 4632 | 4585 | 4632 | 4814 | 5170 | 5720 | 6482 | 7514 | 8887 | |
| G 45.0 | 5289 | 4605 | 4169 | 3921 | 3777 | 3698 | 3777 | 3921 | 4169 | 4605 | 5289 | 6233 | 7423 | |
| G 50.0 | 4154 | 3535 | 3077 | 2783 | 2627 | 2566 | 2627 | 2783 | 3077 | 3535 | 4154 | 4944 | 5953 | |
| G 55.0 | 3035 | 2494 | 2104 | 1784 | 1642 | 1601 | 1642 | 1784 | 2104 | 2494 | 3035 | 3770 | 4653 | |
| G 60.0 | 2165 | 1731 | 1415 | 1192 | 1104 | 1082 | 1104 | 1192 | 1415 | 1731 | 2165 | 2753 | 3528 | |
| G 65.0 | 1548 | 1218 | 1003 | 852 | 789 | 773 | 789 | 852 | 1003 | 1218 | 1548 | 2012 | 2586 | |
| G 70.0 | 1099 | 876 | 750 | 651 | 593 | 579 | 593 | 651 | 750 | 876 | 1099 | 1449 | 1887 | |
| G 75.0 | 787 | 641 | 559 | 487 | 452 | 443 | 452 | 487 | 559 | 641 | 787 | 1035 | 1388 | |
| G 80.0 | 533 | 444 | 388 | 333 | 309 | 306 | 309 | 333 | 388 | 444 | 533 | 692 | 947 | |
| G 85.0 | 276 | 236 | 206 | 174 | 159 | 156 | 159 | 174 | 206 | 236 | 276 | 350 | 490 | |
| G 90.0 | 61 | 49 | 42 | 39 | 37 | 37 | 37 | 39 | 42 | 49 | 61 | 76 | 94 | |

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| Luminaire Flux | 1502 lm | Luminaire Power | 15.1 W | Efficacy | 99.298 lm/W | Efficiency | 60.58% |
| Source Flux | 2480 lm | Maximum value | 297.80 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 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 | 14310 |
| G 5.0 | 13969 | 14235 | 13969 | 13726 | 13505 | 13304 | 13138 | 13009 | 12917 | 12865 |
| G 10.0 | 13653 | 14158 | 13653 | 13171 | 12741 | 12415 | 12146 | 11919 | 11764 | 11681 |
| G 15.0 | 13284 | 14066 | 13284 | 12623 | 12072 | 11609 | 11236 | 10949 | 10742 | 10622 |
| G 20.0 | 12940 | 13979 | 12940 | 12088 | 11399 | 10818 | 10349 | 9990 | 9727 | 9575 |
| G 25.0 | 12560 | 13853 | 12560 | 11524 | 10702 | 9989 | 9395 | 8925 | 8578 | 8380 |
| G 30.0 | 12108 | 13666 | 12108 | 10898 | 9893 | 8984 | 8247 | 7696 | 7284 | 7041 |
| G 35.0 | 11484 | 13304 | 11484 | 10051 | 8796 | 7769 | 6949 | 6327 | 5913 | 5702 |
| G 40.0 | 10540 | 12589 | 10540 | 8887 | 7514 | 6482 | 5720 | 5170 | 4814 | 4632 |
| G 45.0 | 8968 | 11140 | 8968 | 7423 | 6233 | 5289 | 4605 | 4169 | 3921 | 3777 |
| G 50.0 | 7279 | 9199 | 7279 | 5953 | 4944 | 4154 | 3535 | 3077 | 2783 | 2627 |
| G 55.0 | 5743 | 7324 | 5743 | 4653 | 3770 | 3035 | 2494 | 2104 | 1784 | 1642 |
| G 60.0 | 4529 | 6043 | 4529 | 3528 | 2753 | 2165 | 1731 | 1415 | 1192 | 1104 |
| G 65.0 | 3409 | 4906 | 3409 | 2586 | 2012 | 1548 | 1218 | 1003 | 852 | 789 |
| G 70.0 | 2572 | 4006 | 2572 | 1887 | 1449 | 1099 | 876 | 750 | 651 | 593 |
| G 75.0 | 1964 | 3343 | 1964 | 1388 | 1035 | 787 | 641 | 559 | 487 | 452 |
| G 80.0 | 1413 | 2739 | 1413 | 947 | 692 | 533 | 444 | 388 | 333 | 309 |
| G 85.0 | 790 | 2019 | 790 | 490 | 350 | 276 | 236 | 206 | 174 | 159 |
| G 90.0 | 147 | 719 | 147 | 94 | 76 | 61 | 49 | 42 | 39 | 37 |