

**Luminaire**

Code 90902L012

Name REBA 50 LITE /E LINE L1200 BGLARE 830 G

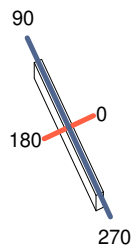
**Measur.**

Code 28/6/2024

Name REBA 50 LITE /E LINE L1200 BGLARE 830 G

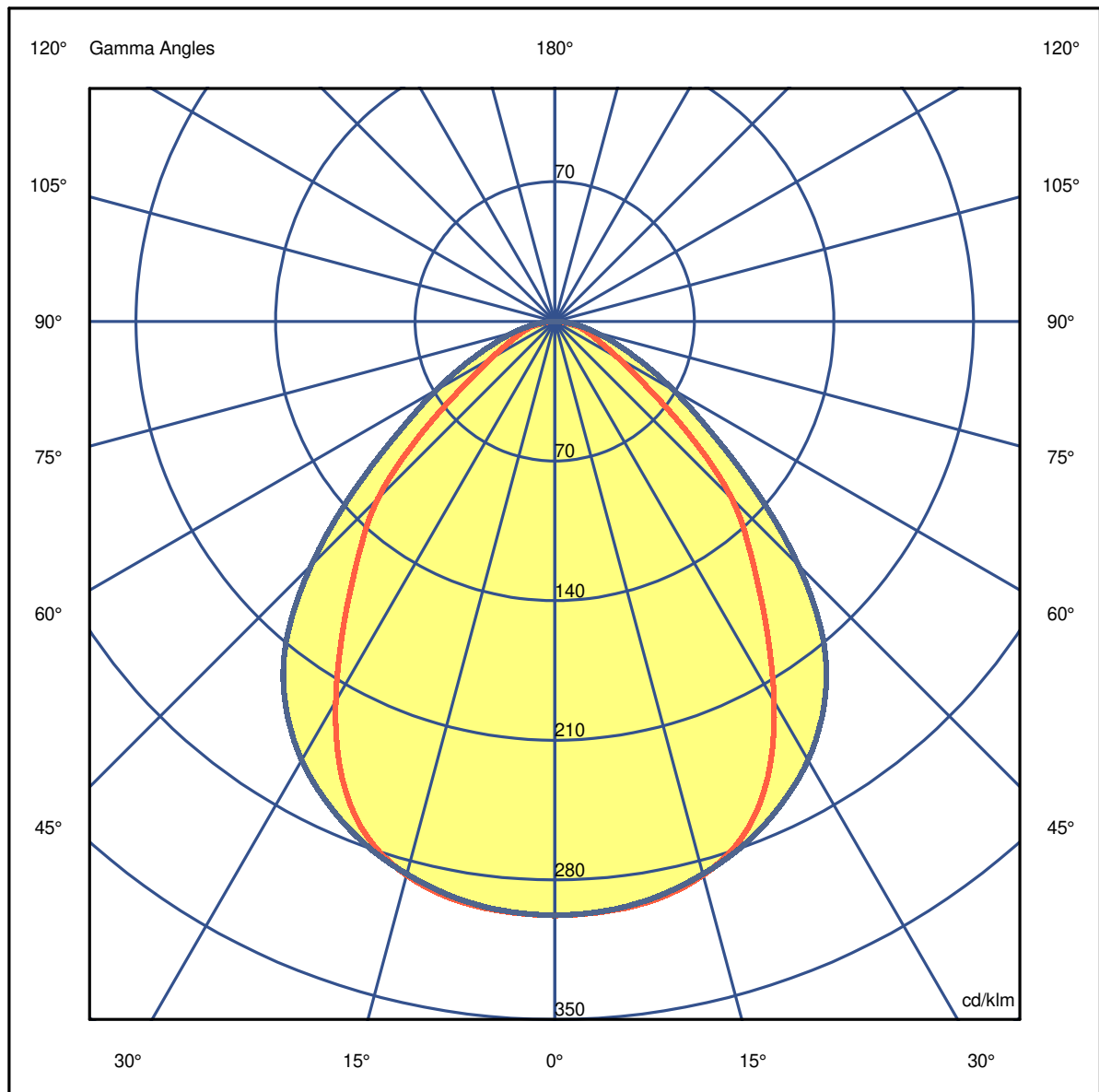
|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1502 lm | Luminaire Power | 15.1 W        | 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 62mm



C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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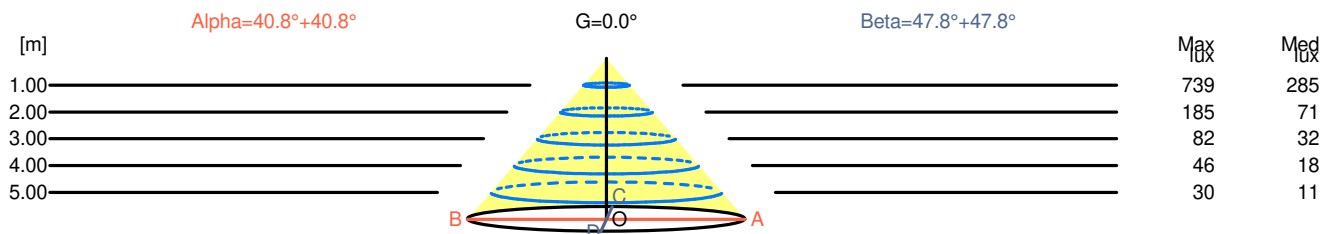
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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| 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**

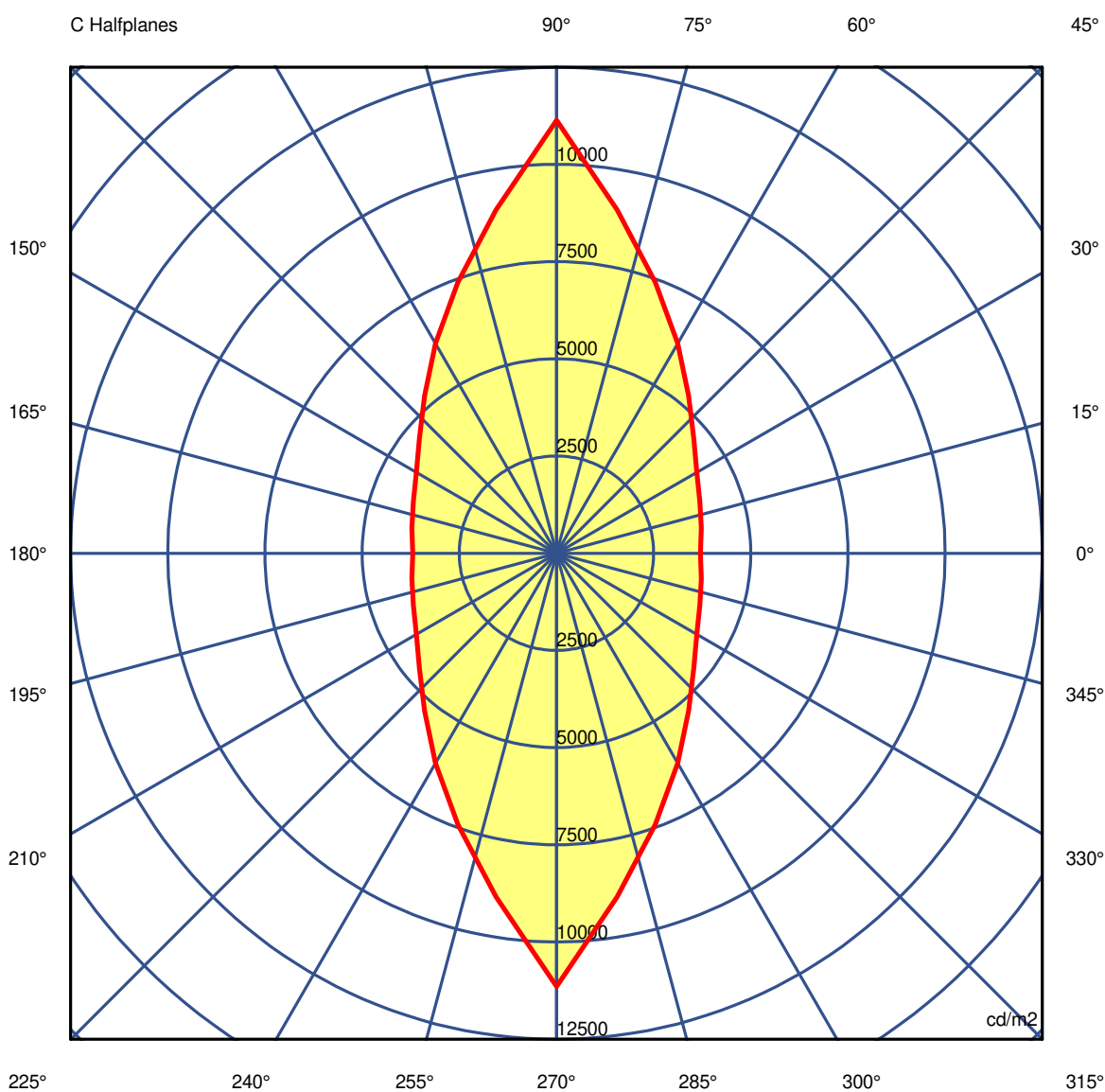
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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| 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°

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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    | 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       |