

Luminaire

Code 90883L015

Name REBA 50 LITE /C LINE L1500 BGLARE 840 W

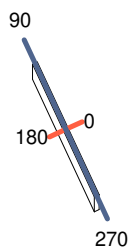
Measur.

Code 25/6/2024

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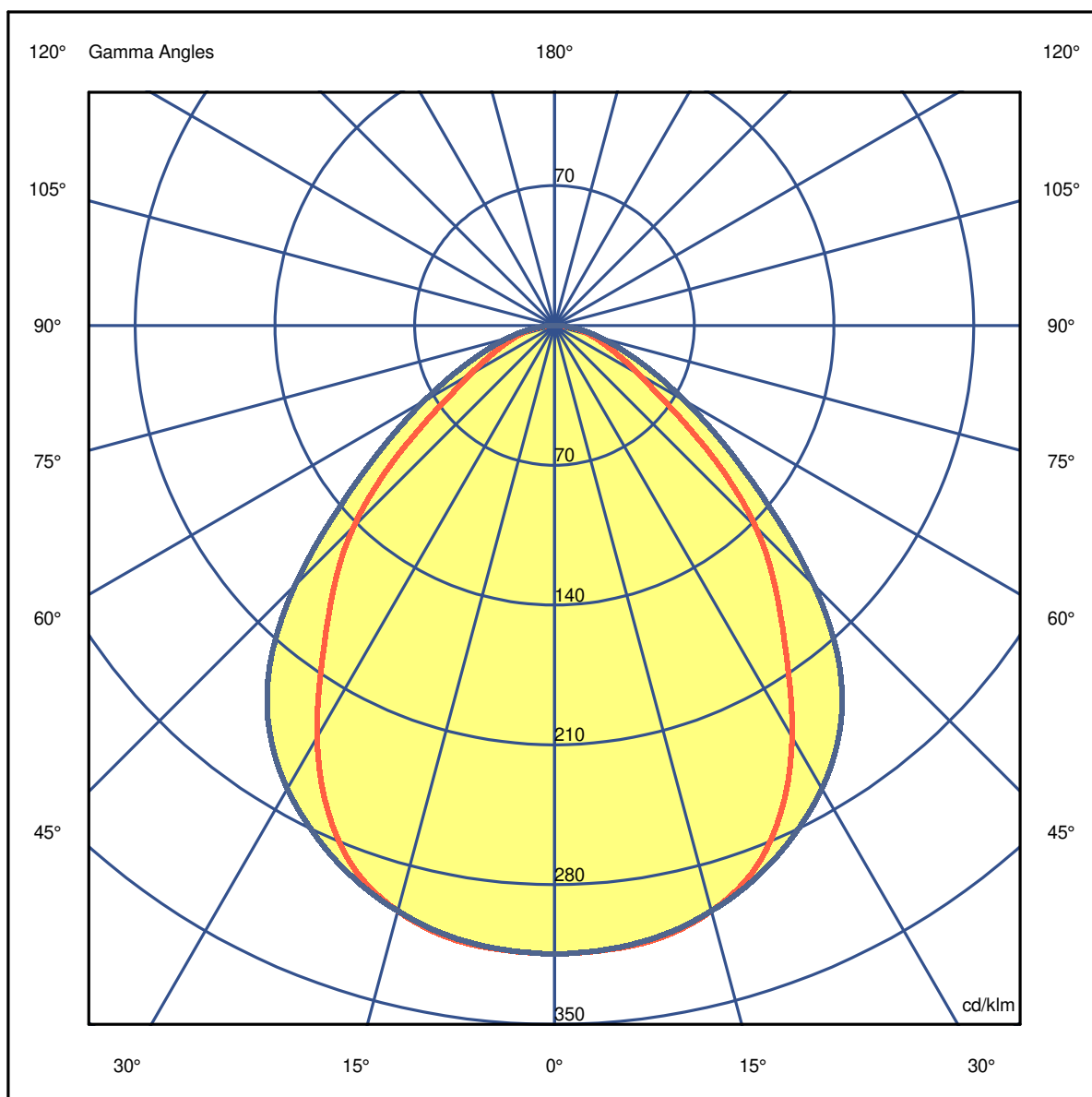
| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2184 lm | Luminaire Power | 18.6 W | Efficacy | 117.761 lm/W | Efficiency | 66.20% |
| Source Flux | 3300 lm | Maximum value | 314.70 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

1402mm x 51mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



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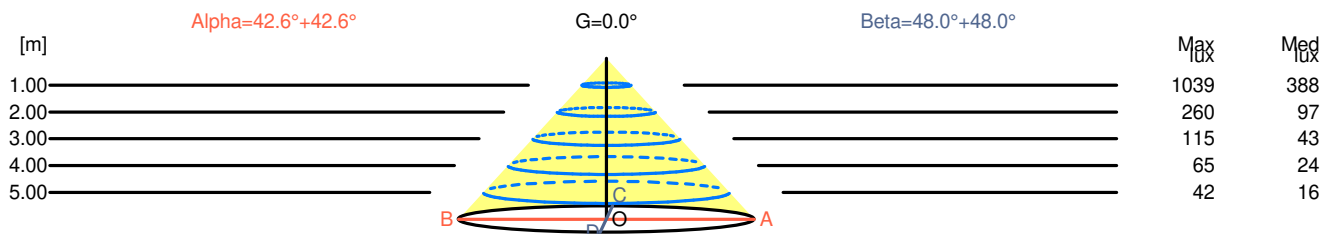
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2184 lm | Luminaire Power | 18.6 W | Efficacy | 117.761 lm/W | Efficiency | 66.20% |
| Source Flux | 3300 lm | Maximum value | 314.70 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 | 0.92 | 1.84 | 2.76 | 3.68 | 4.60 | OC | 1.11 | 2.22 | 3.33 | 4.44 | 5.54 |
| OB | 0.92 | 1.84 | 2.76 | 3.68 | 4.60 | OD | 1.11 | 2.22 | 3.33 | 4.44 | 5.54 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|--------|--------|--------|--------|--------|-------|-------|
| OA | 1038.51 | 1035.21 | 1001.55 | 886.05 | 668.58 | 469.59 | 229.35 | 116.49 | 61.71 | 18.15 |
| OB | 1038.51 | 1035.21 | 1001.55 | 886.05 | 668.58 | 469.59 | 229.35 | 116.49 | 61.71 | 18.15 |
| OC | 1038.51 | 1034.22 | 1001.55 | 931.92 | 821.04 | 606.54 | 342.21 | 175.56 | 79.86 | 21.78 |
| OD | 1038.51 | 1034.22 | 1001.55 | 931.92 | 821.04 | 606.54 | 342.21 | 175.56 | 79.86 | 21.78 |



| H[m] | D[m] | Max lux | Med lux | Alpha=42.6°+42.6° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.84 | 1039 | 388 | | |
| 2.00 | 3.68 | 260 | 97 | | |
| 3.00 | 5.52 | 115 | 43 | | |
| 4.00 | 7.35 | 65 | 24 | | |
| 5.00 | 9.19 | 42 | 16 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=48.0°+48.0° | G=0.0 |
|------|-------|---------|---------|------------------|-------|
| 1.00 | 2.22 | 1039 | 388 | | |
| 2.00 | 4.44 | 260 | 97 | | |
| 3.00 | 6.65 | 115 | 43 | | |
| 4.00 | 8.87 | 65 | 24 | | |
| 5.00 | 11.09 | 42 | 16 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2184 lm | Luminaire Power | 18.6 W | Efficacy | 117.761 lm/W | Efficiency | 66.20% |
| Source Flux | 3300 lm | Maximum value | 314.70 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 | 15.3 | 16.4 | 15.5 | 16.6 | 16.8 | 18.6 | 19.7 | 18.9 | 19.9 | 20.2 |
| x=2H y=3H | 15.6 | 16.6 | 15.9 | 16.8 | 17.1 | 19.3 | 20.3 | 19.6 | 20.5 | 20.8 |
| x=2H y=4H | 15.7 | 16.7 | 16.0 | 16.9 | 17.2 | 19.5 | 20.5 | 19.9 | 20.8 | 21.0 |
| x=2H y=6H | 15.7 | 16.6 | 16.1 | 16.9 | 17.2 | 19.7 | 20.6 | 20.1 | 20.9 | 21.2 |
| x=2H y=8H | 15.7 | 16.6 | 16.1 | 16.9 | 17.2 | 19.8 | 20.6 | 20.1 | 20.9 | 21.2 |
| x=2H y=12H | 15.7 | 16.5 | 16.1 | 16.8 | 17.2 | 19.8 | 20.6 | 20.2 | 20.9 | 21.3 |
| x=4H y=2H | 15.7 | 16.7 | 16.0 | 16.9 | 17.2 | 18.6 | 19.6 | 18.9 | 19.8 | 20.1 |
| x=4H y=3H | 16.1 | 16.9 | 16.5 | 17.2 | 17.6 | 19.4 | 20.2 | 19.8 | 20.5 | 20.8 |
| x=4H y=4H | 16.3 | 17.0 | 16.7 | 17.3 | 17.7 | 19.7 | 20.4 | 20.1 | 20.8 | 21.1 |
| x=4H y=6H | 16.4 | 17.0 | 16.8 | 17.4 | 17.8 | 20.0 | 20.6 | 20.4 | 21.0 | 21.4 |
| x=4H y=8H | 16.4 | 17.0 | 16.8 | 17.4 | 17.8 | 20.1 | 20.7 | 20.5 | 21.0 | 21.4 |
| x=4H y=12H | 16.4 | 16.9 | 16.9 | 17.3 | 17.8 | 20.1 | 20.6 | 20.6 | 21.0 | 21.5 |
| x=8H y=4H | 16.4 | 17.0 | 16.8 | 17.4 | 17.8 | 19.7 | 20.3 | 20.1 | 20.7 | 21.1 |
| x=8H y=6H | 16.6 | 17.0 | 17.0 | 17.5 | 17.9 | 20.0 | 20.4 | 20.4 | 20.9 | 21.3 |
| x=8H y=8H | 16.6 | 17.0 | 17.1 | 17.5 | 17.9 | 20.1 | 20.5 | 20.6 | 21.0 | 21.4 |
| x=8H y=12H | 16.6 | 17.0 | 17.1 | 17.4 | 17.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.5 |
| x=12H y=4H | 16.4 | 16.9 | 16.8 | 17.3 | 17.7 | 19.7 | 20.2 | 20.1 | 20.6 | 21.0 |
| x=12H y=6H | 16.6 | 17.0 | 17.1 | 17.4 | 17.9 | 20.0 | 20.4 | 20.5 | 20.8 | 21.3 |
| x=12H y=8H | 16.6 | 17.0 | 17.1 | 17.4 | 17.9 | 20.1 | 20.4 | 20.6 | 20.9 | 21.4 |

Luminaire

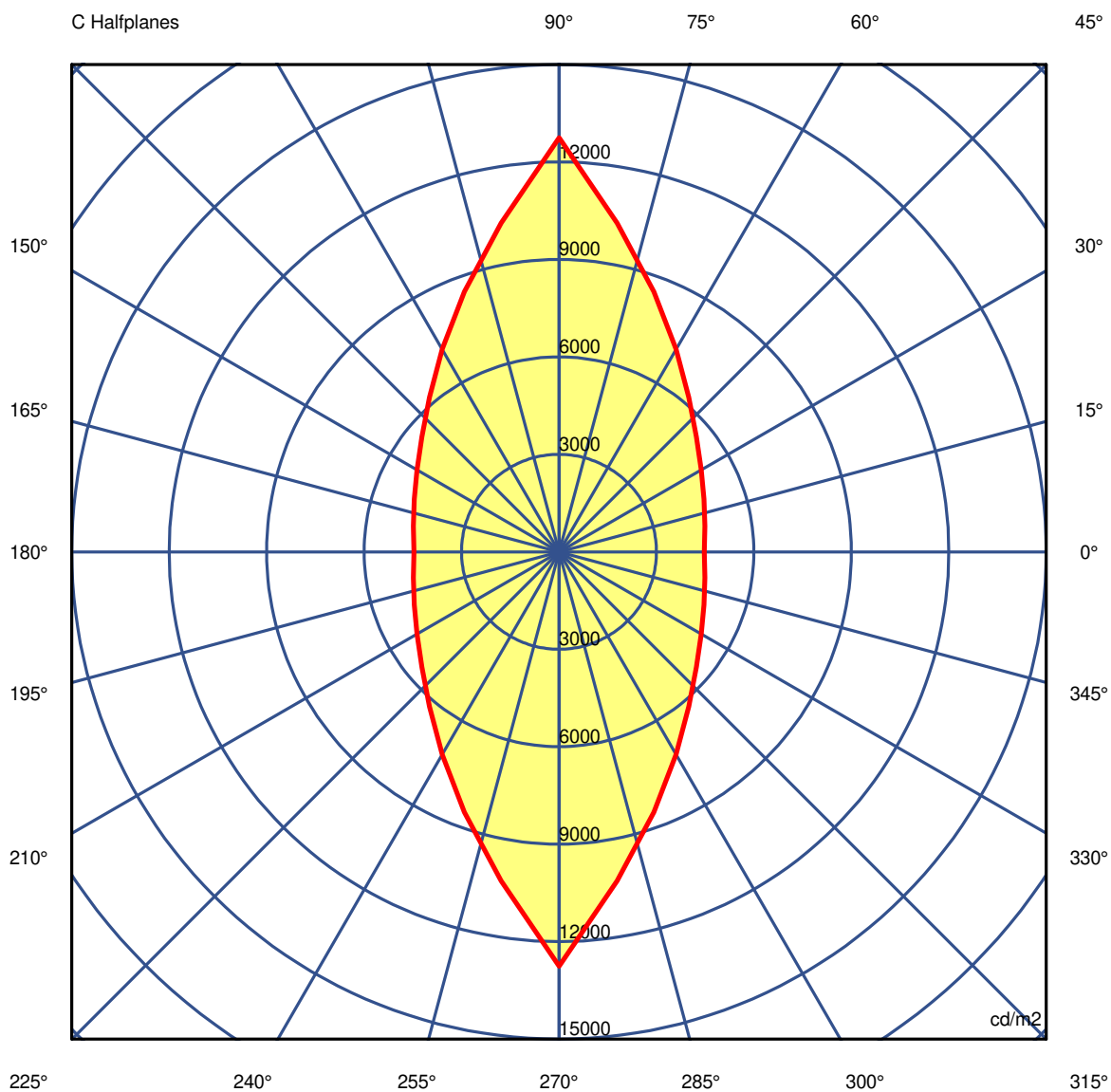
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 2184 lm | Luminaire Power | 18.6 W | Efficacy | 117.761 lm/W | Efficiency | 66.20% |
| Source Flux | 3300 lm | Maximum value | 314.70 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

Luminaire

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Measurem.

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| Luminaire Flux | 2184 lm | | Luminaire Power | | 18.6 W | | Efficacy | | 117.761 lm/W | | Efficiency | | 66.20% | | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|-----------|--|
| Source Flux | 3300 lm | | Maximum value | | 314.70 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 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | |
| G 5.0 | 14463 | 14477 | 14536 | 14639 | 14773 | 14946 | 15163 | 15423 | 15717 | 16038 | 15717 | 15423 | 15163 | 14946 | |
| G 10.0 | 13138 | 13158 | 13254 | 13416 | 13637 | 13956 | 14362 | 14807 | 15343 | 15987 | 15343 | 14807 | 14362 | 13956 | |
| G 15.0 | 11914 | 11950 | 12085 | 12316 | 12639 | 13052 | 13571 | 14219 | 14995 | 15895 | 14995 | 14219 | 13571 | 13052 | |
| G 20.0 | 10737 | 10780 | 10943 | 11233 | 11644 | 12179 | 12838 | 13628 | 14601 | 15790 | 14601 | 13628 | 12838 | 12179 | |
| G 25.0 | 9426 | 9488 | 9706 | 10085 | 10595 | 11252 | 12057 | 12994 | 14169 | 15632 | 14169 | 12994 | 12057 | 11252 | |
| G 30.0 | 8022 | 8108 | 8359 | 8789 | 9374 | 10165 | 11158 | 12294 | 13675 | 15441 | 13675 | 12294 | 11158 | 10165 | |
| G 35.0 | 6614 | 6683 | 6909 | 7340 | 7997 | 8874 | 9985 | 11369 | 13029 | 15089 | 13029 | 11369 | 9985 | 8874 | |
| G 40.0 | 5495 | 5554 | 5747 | 6116 | 6694 | 7505 | 8612 | 10101 | 11951 | 14315 | 11951 | 10101 | 8612 | 7505 | |
| G 45.0 | 4469 | 4559 | 4748 | 5056 | 5514 | 6210 | 7205 | 8525 | 10278 | 12755 | 10278 | 8525 | 7205 | 6210 | |
| G 50.0 | 3278 | 3327 | 3479 | 3779 | 4272 | 4941 | 5791 | 6880 | 8361 | 10574 | 8361 | 6880 | 5791 | 4941 | |
| G 55.0 | 2166 | 2204 | 2360 | 2713 | 3129 | 3688 | 4451 | 5408 | 6682 | 8718 | 6682 | 5408 | 4451 | 3688 | |
| G 60.0 | 1535 | 1550 | 1647 | 1901 | 2249 | 2712 | 3326 | 4144 | 5273 | 7193 | 5273 | 4144 | 3326 | 2712 | |
| G 65.0 | 1126 | 1140 | 1211 | 1379 | 1609 | 1955 | 2443 | 3069 | 4037 | 5900 | 4037 | 3069 | 2443 | 1955 | |
| G 70.0 | 842 | 865 | 925 | 1024 | 1164 | 1401 | 1768 | 2267 | 3098 | 4900 | 3098 | 2267 | 1768 | 1401 | |
| G 75.0 | 630 | 640 | 676 | 743 | 844 | 1009 | 1267 | 1657 | 2365 | 4125 | 2365 | 1657 | 1267 | 1009 | |
| G 80.0 | 421 | 425 | 448 | 501 | 567 | 672 | 846 | 1137 | 1707 | 3438 | 1707 | 1137 | 846 | 672 | |
| G 85.0 | 203 | 207 | 222 | 249 | 281 | 328 | 410 | 567 | 933 | 2602 | 933 | 567 | 410 | 328 | |
| G 90.0 | 27 | 31 | 33 | 36 | 40 | 47 | 59 | 77 | 133 | 837 | 133 | 77 | 59 | 47 | |

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|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|-------|
| Source Flux | 3300 lm | | Maximum value | | 314.70 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 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 |
| G 5.0 | 14946 | 14773 | 14639 | 14536 | 14477 | 14463 | 14477 | 14536 | 14639 | 14773 | 14946 | 15163 | 15423 | |
| G 10.0 | 13956 | 13637 | 13416 | 13254 | 13158 | 13138 | 13158 | 13254 | 13416 | 13637 | 13956 | 14362 | 14807 | |
| G 15.0 | 13052 | 12639 | 12316 | 12085 | 11950 | 11914 | 11950 | 12085 | 12316 | 12639 | 13052 | 13571 | 14219 | |
| G 20.0 | 12179 | 11644 | 11233 | 10943 | 10780 | 10737 | 10780 | 10943 | 11233 | 11644 | 12179 | 12838 | 13628 | |
| G 25.0 | 11252 | 10595 | 10085 | 9706 | 9488 | 9426 | 9488 | 9706 | 10085 | 10595 | 11252 | 12057 | 12994 | |
| G 30.0 | 10165 | 9374 | 8789 | 8359 | 8108 | 8022 | 8108 | 8359 | 8789 | 9374 | 10165 | 11158 | 12294 | |
| G 35.0 | 8874 | 7997 | 7340 | 6909 | 6683 | 6614 | 6683 | 6909 | 7340 | 7997 | 8874 | 9985 | 11369 | |
| G 40.0 | 7505 | 6694 | 6116 | 5747 | 5554 | 5495 | 5554 | 5747 | 6116 | 6694 | 7505 | 8612 | 10101 | |
| G 45.0 | 6210 | 5514 | 5056 | 4748 | 4559 | 4469 | 4559 | 4748 | 5056 | 5514 | 6210 | 7205 | 8525 | |
| G 50.0 | 4941 | 4272 | 3779 | 3479 | 3327 | 3278 | 3327 | 3479 | 3779 | 4272 | 4941 | 5791 | 6880 | |
| G 55.0 | 3688 | 3129 | 2713 | 2360 | 2204 | 2166 | 2204 | 2360 | 2713 | 3129 | 3688 | 4451 | 5408 | |
| G 60.0 | 2712 | 2249 | 1901 | 1647 | 1550 | 1535 | 1550 | 1647 | 1901 | 2249 | 2712 | 3326 | 4144 | |
| G 65.0 | 1955 | 1609 | 1379 | 1211 | 1140 | 1126 | 1140 | 1211 | 1379 | 1609 | 1955 | 2443 | 3069 | |
| G 70.0 | 1401 | 1164 | 1024 | 925 | 865 | 842 | 865 | 925 | 1024 | 1164 | 1401 | 1768 | 2267 | |
| G 75.0 | 1009 | 844 | 743 | 676 | 640 | 630 | 640 | 676 | 743 | 844 | 1009 | 1267 | 1657 | |
| G 80.0 | 672 | 567 | 501 | 448 | 425 | 421 | 425 | 448 | 501 | 567 | 672 | 846 | 1137 | |
| G 85.0 | 328 | 281 | 249 | 222 | 207 | 203 | 207 | 222 | 249 | 281 | 328 | 410 | 567 | |
| G 90.0 | 47 | 40 | 36 | 33 | 31 | 27 | 31 | 33 | 36 | 40 | 47 | 59 | 77 | |

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| Luminaire Flux | 2184 lm | Luminaire Power | 18.6 W | Efficacy | 117.761 lm/W | Efficiency | 66.20% |
| Source Flux | 3300 lm | Maximum value | 314.70 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 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 | 16103 |
| G 5.0 | 15717 | 16038 | 15717 | 15423 | 15163 | 14946 | 14773 | 14639 | 14536 | 14477 |
| G 10.0 | 15343 | 15987 | 15343 | 14807 | 14362 | 13956 | 13637 | 13416 | 13254 | 13158 |
| G 15.0 | 14995 | 15895 | 14995 | 14219 | 13571 | 13052 | 12639 | 12316 | 12085 | 11950 |
| G 20.0 | 14601 | 15790 | 14601 | 13628 | 12838 | 12179 | 11644 | 11233 | 10943 | 10780 |
| G 25.0 | 14169 | 15632 | 14169 | 12994 | 12057 | 11252 | 10595 | 10085 | 9706 | 9488 |
| G 30.0 | 13675 | 15441 | 13675 | 12294 | 11158 | 10165 | 9374 | 8789 | 8359 | 8108 |
| G 35.0 | 13029 | 15089 | 13029 | 11369 | 9985 | 8874 | 7997 | 7340 | 6909 | 6683 |
| G 40.0 | 11951 | 14315 | 11951 | 10101 | 8612 | 7505 | 6694 | 6116 | 5747 | 5554 |
| G 45.0 | 10278 | 12755 | 10278 | 8525 | 7205 | 6210 | 5514 | 5056 | 4748 | 4559 |
| G 50.0 | 8361 | 10574 | 8361 | 6880 | 5791 | 4941 | 4272 | 3779 | 3479 | 3327 |
| G 55.0 | 6682 | 8718 | 6682 | 5408 | 4451 | 3688 | 3129 | 2713 | 2360 | 2204 |
| G 60.0 | 5273 | 7193 | 5273 | 4144 | 3326 | 2712 | 2249 | 1901 | 1647 | 1550 |
| G 65.0 | 4037 | 5900 | 4037 | 3069 | 2443 | 1955 | 1609 | 1379 | 1211 | 1140 |
| G 70.0 | 3098 | 4900 | 3098 | 2267 | 1768 | 1401 | 1164 | 1024 | 925 | 865 |
| G 75.0 | 2365 | 4125 | 2365 | 1657 | 1267 | 1009 | 844 | 743 | 676 | 640 |
| G 80.0 | 1707 | 3438 | 1707 | 1137 | 846 | 672 | 567 | 501 | 448 | 425 |
| G 85.0 | 933 | 2602 | 933 | 567 | 410 | 328 | 281 | 249 | 222 | 207 |
| G 90.0 | 133 | 837 | 133 | 77 | 59 | 47 | 40 | 36 | 33 | 31 |