

Luminaire

Code 90680L240
Name ELI 50 /C L240 PB 940 50° HO

Measurem.

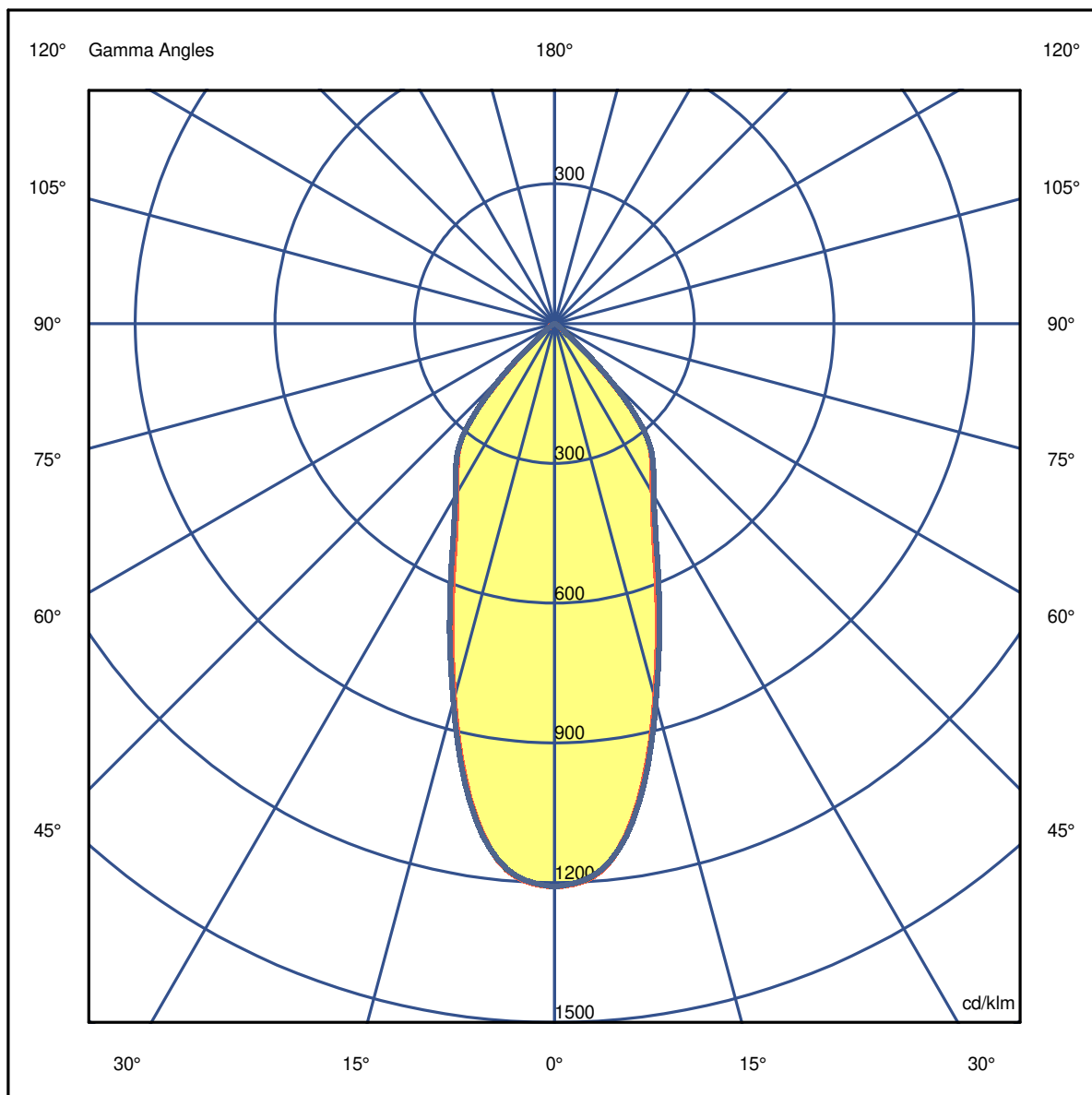
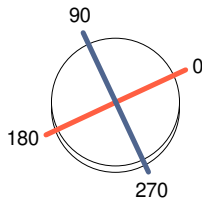
Code 1/6/2022
Name ELI 50 /C L240 PB 940 50° HO

| | | | | | | | |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149 lm | Luminaire Power | 10.8 W | Efficacy | 106.507 lm/W | Efficiency | 95.45% |
| Source Flux | 1204 lm | Maximum value | 1208.70 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=50mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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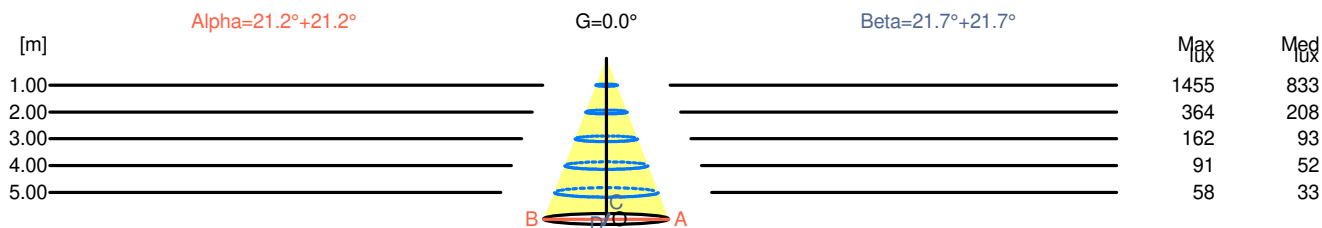
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| Luminaire Flux | 1149 lm | Luminaire Power | 10.8 W | Efficacy | 106.507 lm/W | Efficiency | 95.45% |
| Source Flux | 1204 lm | Maximum value | 1208.70 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

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 | 0.39 | 0.78 | 1.17 | 1.55 | 1.94 | OC | 0.40 | 0.80 | 1.20 | 1.59 | 1.99 |
| OB | 0.39 | 0.78 | 1.17 | 1.55 | 1.94 | OD | 0.40 | 0.80 | 1.20 | 1.59 | 1.99 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|--------|--------|--------|-------|------|------|------|
| OA | 1455.27 | 1416.99 | 1002.21 | 607.30 | 439.34 | 183.49 | 17.22 | 6.50 | 1.32 | 0.72 |
| OB | 1455.27 | 1416.99 | 1002.21 | 607.30 | 439.34 | 183.49 | 17.22 | 6.50 | 1.32 | 0.72 |
| OC | 1455.27 | 1414.46 | 1012.32 | 621.26 | 444.64 | 190.11 | 16.62 | 6.26 | 1.44 | 0.72 |
| OD | 1455.27 | 1414.46 | 1012.32 | 621.26 | 444.64 | 190.11 | 16.62 | 6.26 | 1.44 | 0.72 |



| H[m] | D[m] | Max lux | Med lux | Alpha=21.2°+21.2° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.78 | 1455 | 833 | | |
| 2.00 | 1.55 | 364 | 208 | | |
| 3.00 | 2.33 | 162 | 93 | | |
| 4.00 | 3.11 | 91 | 52 | | |
| 5.00 | 3.89 | 58 | 33 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=21.7°+21.7° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.80 | 1455 | 833 | | |
| 2.00 | 1.59 | 364 | 208 | | |
| 3.00 | 2.39 | 162 | 93 | | |
| 4.00 | 3.19 | 91 | 52 | | |
| 5.00 | 3.99 | 58 | 33 | | |

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|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149 lm | Luminaire Power | 10.8 W | Efficacy | 106.507 lm/W | Efficiency | 95.45% |
| Source Flux | 1204 lm | Maximum value | 1208.70 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 | 22.1 | 22.9 | 22.4 | 23.1 | 23.3 | 22.2 | 23.0 | 22.4 | 23.2 | 23.4 |
| x=2H y=3H | 22.0 | 22.7 | 22.3 | 22.9 | 23.2 | 22.1 | 22.8 | 22.4 | 23.0 | 23.2 |
| x=2H y=4H | 21.9 | 22.6 | 22.2 | 22.8 | 23.1 | 22.0 | 22.7 | 22.3 | 22.9 | 23.2 |
| x=2H y=6H | 21.9 | 22.5 | 22.2 | 22.7 | 23.0 | 21.9 | 22.5 | 22.3 | 22.8 | 23.1 |
| x=2H y=8H | 21.8 | 22.4 | 22.2 | 22.7 | 23.0 | 21.9 | 22.5 | 22.2 | 22.8 | 23.1 |
| x=2H y=12H | 21.8 | 22.3 | 22.1 | 22.6 | 23.0 | 21.9 | 22.4 | 22.2 | 22.7 | 23.0 |
| x=4H y=2H | 21.9 | 22.6 | 22.2 | 22.8 | 23.1 | 22.0 | 22.7 | 22.3 | 22.9 | 23.2 |
| x=4H y=3H | 21.8 | 22.3 | 22.2 | 22.7 | 23.0 | 21.9 | 22.4 | 22.2 | 22.7 | 23.0 |
| x=4H y=4H | 21.7 | 22.2 | 22.1 | 22.5 | 22.9 | 21.8 | 22.3 | 22.2 | 22.6 | 22.9 |
| x=4H y=6H | 21.7 | 22.1 | 22.1 | 22.4 | 22.8 | 21.7 | 22.1 | 22.1 | 22.5 | 22.9 |
| x=4H y=8H | 21.6 | 22.0 | 22.0 | 22.4 | 22.8 | 21.7 | 22.0 | 22.1 | 22.4 | 22.8 |
| x=4H y=12H | 21.6 | 21.9 | 22.0 | 22.3 | 22.7 | 21.6 | 22.0 | 22.1 | 22.4 | 22.8 |
| x=8H y=4H | 21.6 | 22.0 | 22.0 | 22.4 | 22.8 | 21.7 | 22.0 | 22.1 | 22.4 | 22.8 |
| x=8H y=6H | 21.5 | 21.8 | 22.0 | 22.2 | 22.7 | 21.6 | 21.9 | 22.0 | 22.3 | 22.7 |
| x=8H y=8H | 21.5 | 21.7 | 21.9 | 22.2 | 22.6 | 21.6 | 21.8 | 22.0 | 22.2 | 22.7 |
| x=8H y=12H | 21.4 | 21.6 | 21.9 | 22.1 | 22.6 | 21.5 | 21.7 | 22.0 | 22.2 | 22.7 |
| x=12H y=4H | 21.6 | 21.9 | 22.0 | 22.3 | 22.7 | 21.6 | 22.0 | 22.1 | 22.4 | 22.8 |
| x=12H y=6H | 21.5 | 21.7 | 21.9 | 22.2 | 22.6 | 21.6 | 21.8 | 22.0 | 22.2 | 22.7 |
| x=12H y=8H | 21.4 | 21.6 | 21.9 | 22.1 | 22.6 | 21.5 | 21.7 | 22.0 | 22.2 | 22.7 |

Luminaire

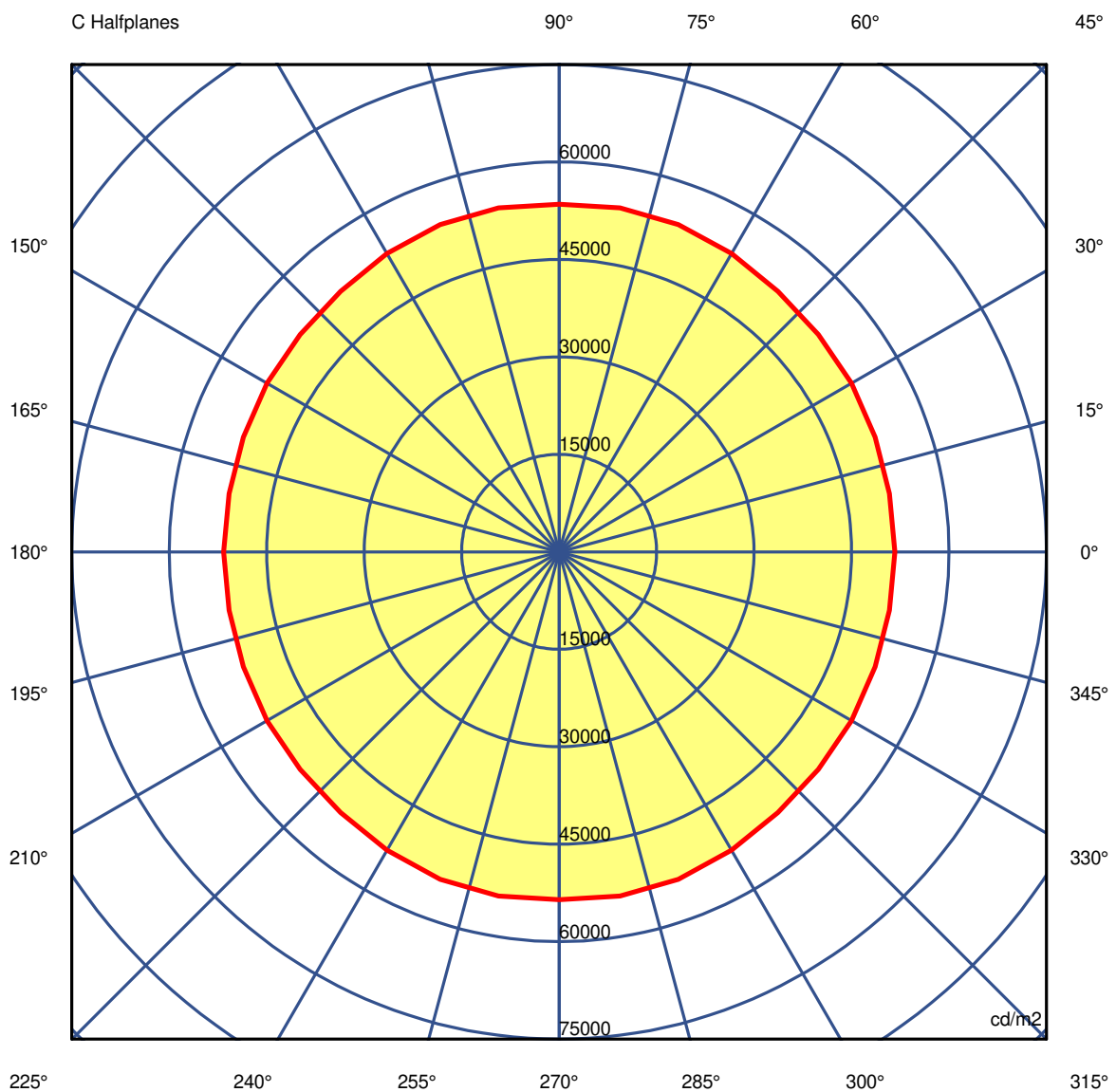
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|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 1149 lm | Luminaire Power | 10.8 W | Efficacy | 106.507 lm/W | Efficiency | 95.45% |
| Source Flux | 1204 lm | Maximum value | 1208.70 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

LuminaireCode 90680L240
Name ELI 50 /C L240 PB 940 50° HO**Measur.**Code 1/6/2022
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| | | | | | | | | | | | | | | | |
|-----------------|--------|---------|---------|-----------------|---------|----------------|---------|----------|---------|---------------|----------|------------|----------|--------------------|--------|
| Luminaire Flux | | 1149 lm | | Luminaire Power | | 10.8 W | | Efficacy | | 106.507 lm/W | | Efficiency | | 95.45% | |
| Source Flux | | 1204 lm | | Maximum value | | 1208.70 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 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 |
| G 5.0 | 703190 | 703492 | 704561 | 705401 | 704165 | 702527 | 701995 | 702596 | 702747 | 701935 | 702747 | 702596 | 701995 | 703190 | 703492 |
| G 10.0 | 549061 | 549467 | 551494 | 553339 | 551564 | 549622 | 549642 | 550631 | 551444 | 551754 | 551444 | 550631 | 549642 | 549061 | 549467 |
| G 15.0 | 396547 | 396896 | 398068 | 400263 | 400841 | 400337 | 400072 | 400838 | 401176 | 400548 | 401176 | 400838 | 400072 | 396547 | 396896 |
| G 20.0 | 281342 | 281663 | 282446 | 284182 | 285808 | 286566 | 287066 | 288468 | 288904 | 287809 | 288904 | 288468 | 287066 | 281342 | 281663 |
| G 25.0 | 204974 | 205136 | 205698 | 206884 | 207614 | 208098 | 208590 | 209076 | 209444 | 209688 | 209444 | 209076 | 208590 | 204974 | 205136 |
| G 30.0 | 160737 | 160623 | 160913 | 161540 | 162056 | 162344 | 162497 | 162676 | 162838 | 162956 | 162838 | 162676 | 162497 | 160737 | 160623 |
| G 35.0 | 132801 | 133021 | 133017 | 132947 | 133217 | 133721 | 134075 | 133973 | 134006 | 134403 | 134006 | 133973 | 134075 | 132801 | 133021 |
| G 40.0 | 103660 | 103444 | 103465 | 103590 | 103490 | 103484 | 103625 | 103625 | 103648 | 103695 | 103648 | 103625 | 103625 | 103660 | 103444 |
| G 45.0 | 51641 | 51573 | 51709 | 51946 | 52040 | 52374 | 53030 | 53626 | 53777 | 53505 | 53777 | 53626 | 53030 | 51641 | 51573 |
| G 50.0 | 10134 | 10325 | 10349 | 10233 | 10166 | 10190 | 10267 | 10303 | 10178 | 9902 | 10178 | 10303 | 10267 | 10134 | 10325 |
| G 55.0 | 4666 | 4835 | 5024 | 5155 | 5120 | 5081 | 5025 | 4788 | 4584 | 4503 | 4584 | 4788 | 5025 | 4666 | 4835 |
| G 60.0 | 2980 | 3102 | 3258 | 3401 | 3432 | 3345 | 3175 | 2974 | 2808 | 2689 | 2808 | 2974 | 3175 | 2980 | 3102 |
| G 65.0 | 1750 | 1788 | 1849 | 1912 | 1928 | 1881 | 1815 | 1793 | 1759 | 1685 | 1759 | 1793 | 1815 | 1750 | 1788 |
| G 70.0 | 850 | 850 | 860 | 882 | 882 | 882 | 882 | 860 | 850 | 850 | 850 | 860 | 882 | 850 | 850 |
| G 75.0 | 365 | 424 | 416 | 365 | 365 | 365 | 365 | 365 | 373 | 398 | 373 | 365 | 365 | 365 | 424 |
| G 80.0 | 306 | 306 | 306 | 306 | 258 | 238 | 238 | 216 | 204 | 204 | 204 | 216 | 238 | 306 | 306 |
| G 85.0 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Luminaire Flux | 1149 lm | Luminaire Power | 10.8 W | Efficacy | 106.507 lm/W | Efficiency | 95.45% |
| Source Flux | 1204 lm | Maximum value | 1208.70 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 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 |
| G 5.0 | 702527 | 704165 | 705401 | 704561 | 703492 | 703190 | 703492 | 704561 | 705401 | 704165 | 702527 | 701995 | 702596 |
| G 10.0 | 549622 | 551564 | 553339 | 551494 | 549467 | 549061 | 549467 | 551494 | 553339 | 551564 | 549622 | 549642 | 550631 |
| G 15.0 | 400337 | 400841 | 400263 | 398068 | 396896 | 396547 | 396896 | 398068 | 400263 | 400841 | 400337 | 400072 | 400838 |
| G 20.0 | 286566 | 285808 | 284182 | 282446 | 281663 | 281342 | 281663 | 282446 | 284182 | 285808 | 286566 | 287066 | 288468 |
| G 25.0 | 208098 | 207614 | 206884 | 205698 | 205136 | 204974 | 205136 | 205698 | 206884 | 207614 | 208098 | 208590 | 209076 |
| G 30.0 | 162344 | 162056 | 161540 | 160913 | 160623 | 160737 | 160623 | 160913 | 161540 | 162056 | 162344 | 162497 | 162676 |
| G 35.0 | 133721 | 133217 | 132947 | 133017 | 133021 | 132801 | 133021 | 133017 | 132947 | 133217 | 133721 | 134075 | 133973 |
| G 40.0 | 103484 | 103490 | 103590 | 103465 | 103444 | 103660 | 103444 | 103465 | 103590 | 103490 | 103484 | 103625 | 103625 |
| G 45.0 | 52374 | 52040 | 51946 | 51709 | 51573 | 51641 | 51573 | 51709 | 51946 | 52040 | 52374 | 53030 | 53626 |
| G 50.0 | 10190 | 10166 | 10233 | 10349 | 10325 | 10134 | 10325 | 10349 | 10233 | 10166 | 10190 | 10267 | 10303 |
| G 55.0 | 5081 | 5120 | 5155 | 5024 | 4835 | 4666 | 4835 | 5024 | 5155 | 5120 | 5081 | 5025 | 4788 |
| G 60.0 | 3345 | 3432 | 3401 | 3258 | 3102 | 2980 | 3102 | 3258 | 3401 | 3432 | 3345 | 3175 | 2974 |
| G 65.0 | 1881 | 1928 | 1912 | 1849 | 1788 | 1750 | 1788 | 1849 | 1912 | 1928 | 1881 | 1815 | 1793 |
| G 70.0 | 882 | 882 | 882 | 860 | 850 | 850 | 850 | 860 | 882 | 882 | 882 | 882 | 860 |
| G 75.0 | 365 | 365 | 365 | 416 | 424 | 365 | 424 | 416 | 365 | 365 | 365 | 365 | 365 |
| G 80.0 | 238 | 258 | 306 | 306 | 306 | 306 | 306 | 306 | 258 | 238 | 238 | 238 | 216 |
| G 85.0 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Luminaire Flux | 1149 lm | Luminaire Power | 10.8 W | Efficacy | 106.507 lm/W | Efficiency | 95.45% |
| Source Flux | 1204 lm | Maximum value | 1208.70 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 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 | 838802 |
| G 5.0 | 702747 | 701935 | 702747 | 702596 | 701995 | 702527 | 704165 | 705401 | 704561 | 703492 |
| G 10.0 | 551444 | 551754 | 551444 | 550631 | 549642 | 549622 | 551564 | 553339 | 551494 | 549467 |
| G 15.0 | 401176 | 400548 | 401176 | 400838 | 400072 | 400337 | 400841 | 400263 | 398068 | 396896 |
| G 20.0 | 288904 | 287809 | 288904 | 288468 | 287066 | 286566 | 285808 | 284182 | 282446 | 281663 |
| G 25.0 | 209444 | 209688 | 209444 | 209076 | 208590 | 208098 | 207614 | 206884 | 205698 | 205136 |
| G 30.0 | 162838 | 162956 | 162838 | 162676 | 162497 | 162344 | 162056 | 161540 | 160913 | 160623 |
| G 35.0 | 134006 | 134403 | 134006 | 133973 | 134075 | 133721 | 133217 | 132947 | 133017 | 133021 |
| G 40.0 | 103648 | 103695 | 103648 | 103625 | 103625 | 103484 | 103490 | 103590 | 103465 | 103444 |
| G 45.0 | 53777 | 53505 | 53777 | 53626 | 53030 | 52374 | 52040 | 51946 | 51709 | 51573 |
| G 50.0 | 10178 | 9902 | 10178 | 10303 | 10267 | 10190 | 10166 | 10233 | 10349 | 10325 |
| G 55.0 | 4584 | 4503 | 4584 | 4788 | 5025 | 5081 | 5120 | 5155 | 5024 | 4835 |
| G 60.0 | 2808 | 2689 | 2808 | 2974 | 3175 | 3345 | 3432 | 3401 | 3258 | 3102 |
| G 65.0 | 1759 | 1685 | 1759 | 1793 | 1815 | 1881 | 1928 | 1912 | 1849 | 1788 |
| G 70.0 | 850 | 850 | 850 | 860 | 882 | 882 | 882 | 882 | 860 | 850 |
| G 75.0 | 373 | 398 | 373 | 365 | 365 | 365 | 365 | 365 | 416 | 424 |
| G 80.0 | 204 | 204 | 204 | 216 | 238 | 238 | 258 | 306 | 306 | 306 |
| G 85.0 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |