

Luminaire

Code 90759L00M
Name DYNA /C D236 PM 830 80° MO

Measurem.

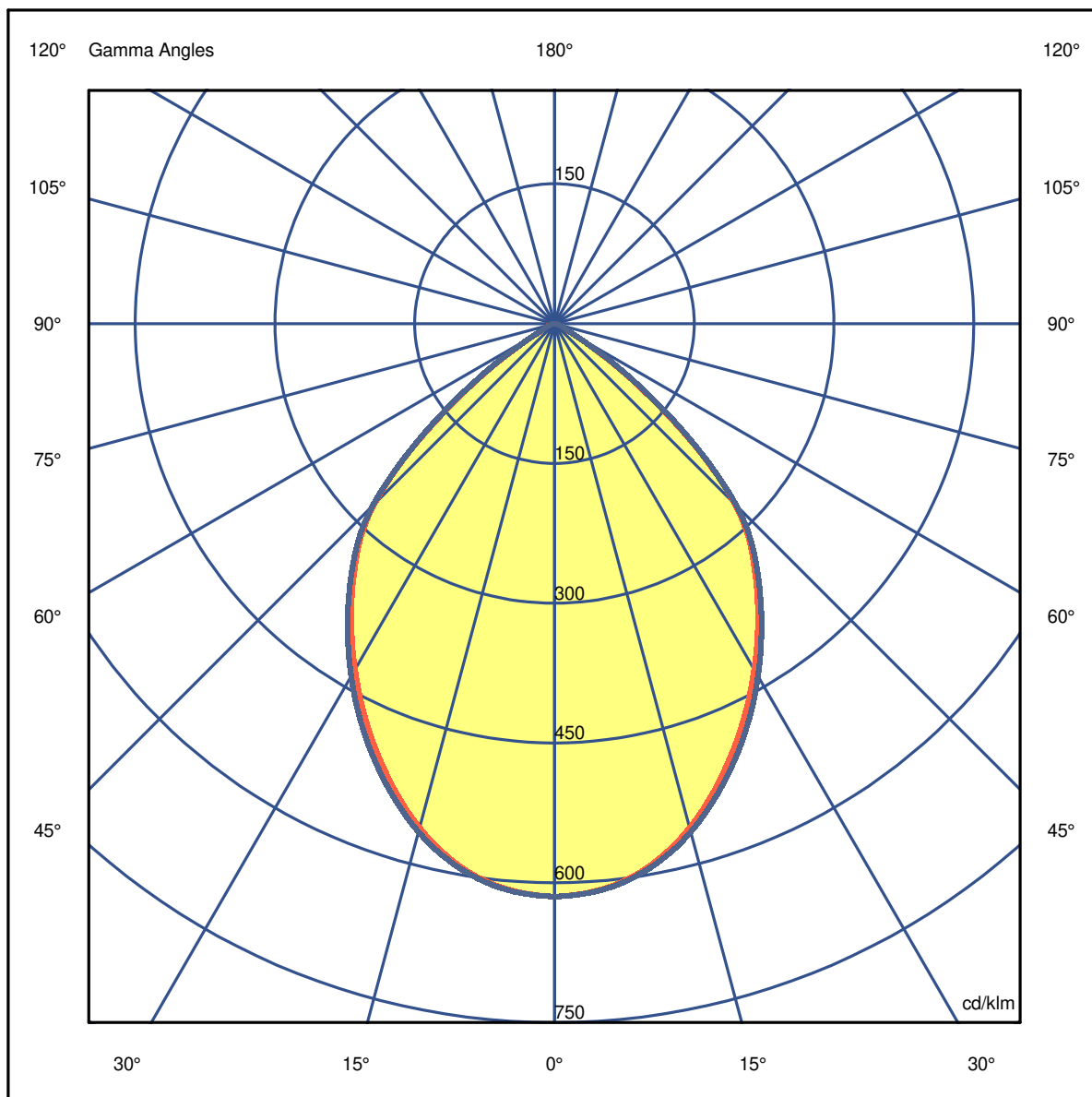
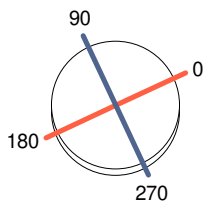
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| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2109 lm | Luminaire Power | 19.4 W | Efficacy | 108.611 lm/W | Efficiency | 99.07% |
| Source Flux | 2129 lm | Maximum value | 614.90 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=236mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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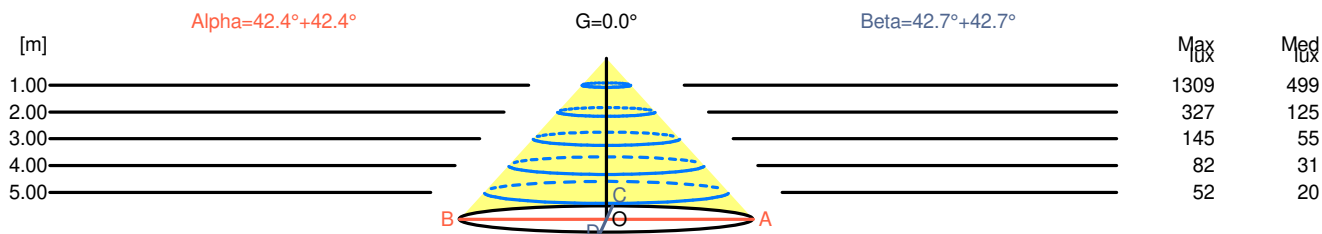
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2109 lm | Luminaire Power | 19.4 W | Efficacy | 108.611 lm/W | Efficiency | 99.07% |
| Source Flux | 2129 lm | Maximum value | 614.90 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 | 0.91 | 1.83 | 2.74 | 3.65 | 4.57 | OC | 0.92 | 1.85 | 2.77 | 3.69 | 4.62 |
| OB | 0.91 | 1.83 | 2.74 | 3.65 | 4.57 | OD | 0.92 | 1.85 | 2.77 | 3.69 | 4.62 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|--------|--------|--------|-------|-------|------|
| OA | 1309.12 | 1295.50 | 1192.03 | 1012.13 | 810.08 | 583.13 | 186.50 | 25.55 | 12.35 | 3.41 |
| OB | 1309.12 | 1295.50 | 1192.03 | 1012.13 | 810.08 | 583.13 | 186.50 | 25.55 | 12.35 | 3.41 |
| OC | 1309.12 | 1297.20 | 1202.25 | 1030.22 | 824.56 | 588.46 | 195.23 | 24.48 | 10.86 | 2.98 |
| OD | 1309.12 | 1297.20 | 1202.25 | 1030.22 | 824.56 | 588.46 | 195.23 | 24.48 | 10.86 | 2.98 |



| H[m] | D[m] | Max lux | Med lux | Alpha=42.4°+42.4° | G=0.0 | |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 1.83 | 1309 | 499 | | | |
| 2.00 | 3.65 | 327 | 125 | | | |
| 3.00 | 5.48 | 145 | 55 | | | |
| 4.00 | 7.31 | 82 | 31 | | | |
| 5.00 | 9.13 | 52 | 20 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=42.7°+42.7° | G=0.0 | |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 1.85 | 1309 | 499 | | | |
| 2.00 | 3.69 | 327 | 125 | | | |
| 3.00 | 5.54 | 145 | 55 | | | |
| 4.00 | 7.39 | 82 | 31 | | | |
| 5.00 | 9.23 | 52 | 20 | | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2109 lm | Luminaire Power | 19.4 W | Efficacy | 108.611 lm/W | Efficiency | 99.07% |
| Source Flux | 2129 lm | Maximum value | 614.90 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 | 18.3 | 19.3 | 18.6 | 19.5 | 19.7 | 18.4 | 19.4 | 18.7 | 19.6 | 19.8 |
| x=2H y=3H | 18.2 | 19.1 | 18.5 | 19.3 | 19.6 | 18.3 | 19.2 | 18.6 | 19.4 | 19.7 |
| x=2H y=4H | 18.2 | 19.0 | 18.5 | 19.2 | 19.5 | 18.3 | 19.1 | 18.6 | 19.3 | 19.6 |
| x=2H y=6H | 18.1 | 18.8 | 18.4 | 19.1 | 19.4 | 18.2 | 18.9 | 18.5 | 19.2 | 19.5 |
| x=2H y=8H | 18.1 | 18.8 | 18.4 | 19.1 | 19.4 | 18.2 | 18.9 | 18.5 | 19.2 | 19.5 |
| x=2H y=12H | 18.0 | 18.7 | 18.4 | 19.0 | 19.3 | 18.1 | 18.8 | 18.5 | 19.1 | 19.4 |
| x=4H y=2H | 18.2 | 19.0 | 18.5 | 19.3 | 19.6 | 18.3 | 19.1 | 18.6 | 19.4 | 19.6 |
| x=4H y=3H | 18.1 | 18.8 | 18.5 | 19.1 | 19.4 | 18.2 | 18.8 | 18.5 | 19.2 | 19.5 |
| x=4H y=4H | 18.0 | 18.6 | 18.4 | 19.0 | 19.3 | 18.1 | 18.7 | 18.5 | 19.0 | 19.4 |
| x=4H y=6H | 18.0 | 18.5 | 18.4 | 18.9 | 19.2 | 18.1 | 18.6 | 18.5 | 18.9 | 19.3 |
| x=4H y=8H | 17.9 | 18.4 | 18.4 | 18.8 | 19.2 | 18.0 | 18.5 | 18.4 | 18.9 | 19.3 |
| x=4H y=12H | 17.9 | 18.3 | 18.3 | 18.7 | 19.1 | 18.0 | 18.4 | 18.4 | 18.8 | 19.2 |
| x=8H y=4H | 17.9 | 18.4 | 18.4 | 18.8 | 19.2 | 18.0 | 18.5 | 18.4 | 18.9 | 19.3 |
| x=8H y=6H | 17.9 | 18.2 | 18.3 | 18.7 | 19.1 | 17.9 | 18.3 | 18.4 | 18.7 | 19.2 |
| x=8H y=8H | 17.8 | 18.1 | 18.3 | 18.6 | 19.1 | 17.9 | 18.2 | 18.4 | 18.7 | 19.1 |
| x=8H y=12H | 17.8 | 18.1 | 18.3 | 18.5 | 19.0 | 17.9 | 18.1 | 18.4 | 18.6 | 19.1 |
| x=12H y=4H | 17.9 | 18.3 | 18.3 | 18.7 | 19.1 | 18.0 | 18.4 | 18.4 | 18.8 | 19.2 |
| x=12H y=6H | 17.8 | 18.1 | 18.3 | 18.6 | 19.1 | 17.9 | 18.2 | 18.4 | 18.7 | 19.1 |
| x=12H y=8H | 17.8 | 18.1 | 18.3 | 18.5 | 19.0 | 17.9 | 18.1 | 18.3 | 18.6 | 19.1 |

Luminaire

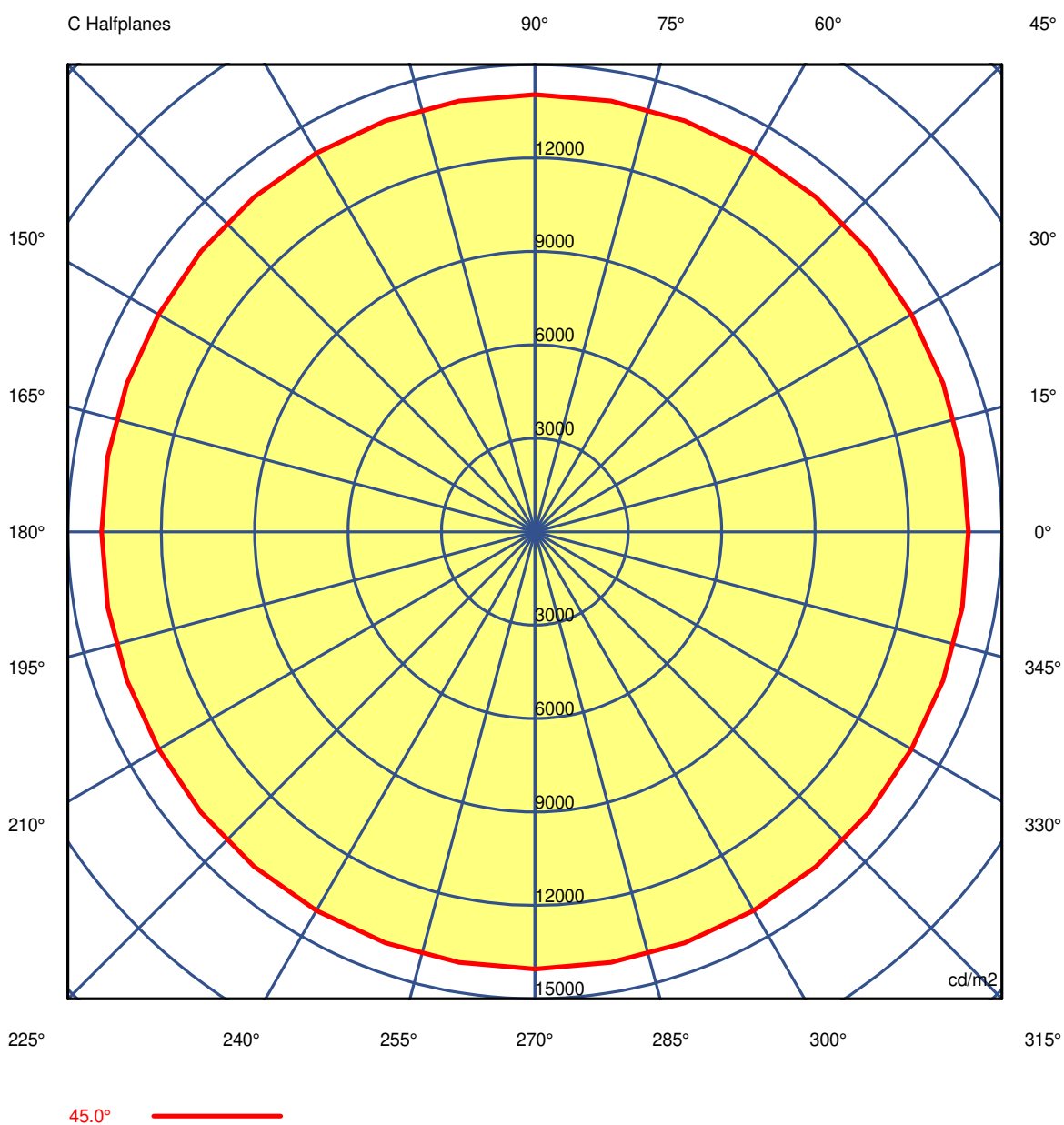
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 2109 lm | Luminaire Power | 19.4 W | Efficacy | 108.611 lm/W | Efficiency | 99.07% |
| Source Flux | 2129 lm | Maximum value | 614.90 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

Code 90759L00M
Name DYNA /C D236 PM 830 80° MO

Measurment.

Code 21/3/2023
Name DYNA /C D236 PM 830 80° MO

| | | | | | | | | | | | | | | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux | 2109 lm | | Luminaire Power | | 19.4 W | | Efficacy | | 108.611 lm/W | | Efficiency | | 99.07% | |
| Source Flux | 2129 lm | | Maximum value | | 614.90 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 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | |
| G 5.0 | 42996 | 43018 | 43004 | 42989 | 43039 | 43059 | 43038 | 43061 | 43074 | 43052 | 43074 | 43061 | 43038 | |
| G 10.0 | 38595 | 38582 | 38590 | 38622 | 38664 | 38689 | 38700 | 38722 | 38735 | 38739 | 38735 | 38722 | 38700 | |
| G 15.0 | 34296 | 34321 | 34346 | 34376 | 34419 | 34470 | 34523 | 34569 | 34586 | 34590 | 34586 | 34569 | 34523 | |
| G 20.0 | 30181 | 30219 | 30244 | 30280 | 30363 | 30443 | 30500 | 30556 | 30578 | 30582 | 30578 | 30556 | 30500 | |
| G 25.0 | 26408 | 26452 | 26498 | 26558 | 26648 | 26727 | 26786 | 26847 | 26873 | 26880 | 26873 | 26847 | 26786 | |
| G 30.0 | 22991 | 23018 | 23068 | 23141 | 23224 | 23303 | 23372 | 23422 | 23436 | 23436 | 23436 | 23422 | 23372 | |
| G 35.0 | 19888 | 19899 | 19942 | 20014 | 20082 | 20142 | 20191 | 20224 | 20239 | 20244 | 20239 | 20224 | 20191 | |
| G 40.0 | 17038 | 17046 | 17079 | 17135 | 17194 | 17235 | 17264 | 17295 | 17307 | 17294 | 17307 | 17295 | 17264 | |
| G 45.0 | 13917 | 13936 | 13947 | 13963 | 14004 | 14036 | 14045 | 14045 | 14045 | 14045 | 14045 | 14045 | 14045 | |
| G 50.0 | 9072 | 9081 | 9095 | 9118 | 9149 | 9189 | 9219 | 9219 | 9210 | 9204 | 9210 | 9219 | 9219 | |
| G 55.0 | 4462 | 4503 | 4439 | 4376 | 4521 | 4648 | 4661 | 4675 | 4682 | 4671 | 4682 | 4675 | 4661 | |
| G 60.0 | 1414 | 1400 | 1418 | 1445 | 1433 | 1453 | 1496 | 1477 | 1457 | 1450 | 1457 | 1477 | 1496 | |
| G 65.0 | 632 | 637 | 635 | 627 | 627 | 627 | 627 | 620 | 613 | 606 | 613 | 620 | 627 | |
| G 70.0 | 466 | 466 | 465 | 461 | 453 | 448 | 445 | 437 | 434 | 434 | 434 | 437 | 445 | |
| G 75.0 | 327 | 327 | 323 | 315 | 312 | 306 | 298 | 294 | 291 | 287 | 291 | 294 | 298 | |
| G 80.0 | 201 | 201 | 201 | 201 | 193 | 186 | 183 | 179 | 177 | 177 | 177 | 179 | 183 | |
| G 85.0 | 100 | 106 | 105 | 100 | 100 | 100 | 100 | 96 | 92 | 88 | 92 | 96 | 100 | |
| G 90.0 | 40 | 71 | 80 | 80 | 80 | 80 | 80 | 72 | 64 | 60 | 64 | 72 | 80 | |

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| Luminaire Flux | 2109 lm | | Luminaire Power | | 19.4 W | | Efficacy | | 108.611 lm/W | | Efficiency | | 99.07% | |
| Source Flux | 2129 lm | | Maximum value | | 614.90 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 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | |
| G 5.0 | 43059 | 43039 | 42989 | 43004 | 43018 | 42996 | 43018 | 43004 | 42989 | 43039 | 43059 | 43038 | 43061 | |
| G 10.0 | 38689 | 38664 | 38622 | 38590 | 38582 | 38595 | 38582 | 38590 | 38622 | 38664 | 38689 | 38700 | 38722 | |
| G 15.0 | 34470 | 34419 | 34376 | 34346 | 34321 | 34296 | 34321 | 34346 | 34376 | 34419 | 34470 | 34523 | 34569 | |
| G 20.0 | 30443 | 30363 | 30280 | 30244 | 30219 | 30181 | 30219 | 30244 | 30280 | 30363 | 30443 | 30500 | 30556 | |
| G 25.0 | 26727 | 26648 | 26558 | 26498 | 26452 | 26408 | 26452 | 26498 | 26558 | 26648 | 26727 | 26786 | 26847 | |
| G 30.0 | 23303 | 23224 | 23141 | 23068 | 23018 | 22991 | 23018 | 23068 | 23141 | 23224 | 23303 | 23372 | 23422 | |
| G 35.0 | 20142 | 20082 | 20014 | 19942 | 19899 | 19888 | 19899 | 19942 | 20014 | 20082 | 20142 | 20191 | 20224 | |
| G 40.0 | 17235 | 17194 | 17135 | 17079 | 17046 | 17038 | 17046 | 17079 | 17135 | 17194 | 17235 | 17264 | 17295 | |
| G 45.0 | 14036 | 14004 | 13963 | 13947 | 13936 | 13917 | 13936 | 13947 | 13963 | 14004 | 14036 | 14045 | 14045 | |
| G 50.0 | 9189 | 9149 | 9118 | 9095 | 9081 | 9072 | 9081 | 9095 | 9118 | 9149 | 9189 | 9219 | 9219 | |
| G 55.0 | 4648 | 4521 | 4376 | 4439 | 4503 | 4462 | 4503 | 4439 | 4376 | 4521 | 4648 | 4661 | 4675 | |
| G 60.0 | 1453 | 1433 | 1445 | 1418 | 1400 | 1414 | 1400 | 1418 | 1445 | 1433 | 1453 | 1496 | 1477 | |
| G 65.0 | 627 | 627 | 627 | 635 | 637 | 632 | 637 | 635 | 627 | 627 | 627 | 627 | 620 | |
| G 70.0 | 448 | 453 | 461 | 465 | 466 | 466 | 466 | 465 | 461 | 453 | 448 | 445 | 437 | |
| G 75.0 | 306 | 312 | 315 | 323 | 327 | 327 | 327 | 323 | 315 | 312 | 306 | 298 | 294 | |
| G 80.0 | 186 | 193 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 193 | 186 | 183 | 179 | |
| G 85.0 | 100 | 100 | 100 | 105 | 106 | 100 | 106 | 105 | 100 | 100 | 100 | 100 | 96 | |
| G 90.0 | 80 | 80 | 80 | 80 | 71 | 40 | 71 | 80 | 80 | 80 | 80 | 80 | 72 | |

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| Luminaire Flux | 2109 lm | Luminaire Power | 19.4 W | Efficacy | 108.611 lm/W | Efficiency | 99.07% |
| Source Flux | 2129 lm | Maximum value | 614.90 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 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 | 47666 |
| G 5.0 | 43074 | 43052 | 43074 | 43061 | 43038 | 43059 | 43039 | 42989 | 43004 | 43018 |
| G 10.0 | 38735 | 38739 | 38735 | 38722 | 38700 | 38689 | 38664 | 38622 | 38590 | 38582 |
| G 15.0 | 34586 | 34590 | 34586 | 34569 | 34523 | 34470 | 34419 | 34376 | 34346 | 34321 |
| G 20.0 | 30578 | 30582 | 30578 | 30556 | 30500 | 30443 | 30363 | 30280 | 30244 | 30219 |
| G 25.0 | 26873 | 26880 | 26873 | 26847 | 26786 | 26727 | 26648 | 26558 | 26498 | 26452 |
| G 30.0 | 23436 | 23436 | 23436 | 23422 | 23372 | 23303 | 23224 | 23141 | 23068 | 23018 |
| G 35.0 | 20239 | 20244 | 20239 | 20224 | 20191 | 20142 | 20082 | 20014 | 19942 | 19899 |
| G 40.0 | 17307 | 17294 | 17307 | 17295 | 17264 | 17235 | 17194 | 17135 | 17079 | 17046 |
| G 45.0 | 14045 | 14045 | 14045 | 14045 | 14045 | 14036 | 14004 | 13963 | 13947 | 13936 |
| G 50.0 | 9210 | 9204 | 9210 | 9219 | 9219 | 9189 | 9149 | 9118 | 9095 | 9081 |
| G 55.0 | 4682 | 4671 | 4682 | 4675 | 4661 | 4648 | 4521 | 4376 | 4439 | 4503 |
| G 60.0 | 1457 | 1450 | 1457 | 1477 | 1496 | 1453 | 1433 | 1445 | 1418 | 1400 |
| G 65.0 | 613 | 606 | 613 | 620 | 627 | 627 | 627 | 627 | 635 | 637 |
| G 70.0 | 434 | 434 | 434 | 437 | 445 | 448 | 453 | 461 | 465 | 466 |
| G 75.0 | 291 | 287 | 291 | 294 | 298 | 306 | 312 | 315 | 323 | 327 |
| G 80.0 | 177 | 177 | 177 | 179 | 183 | 186 | 193 | 201 | 201 | 201 |
| G 85.0 | 92 | 88 | 92 | 96 | 100 | 100 | 100 | 100 | 105 | 106 |
| G 90.0 | 64 | 60 | 64 | 72 | 80 | 80 | 80 | 80 | 80 | 71 |