

Luminaire

Code 90688L240

Name ELI 50 SQ /C L240 PB 940 20° HO

Measurem.

Code 1/6/2022

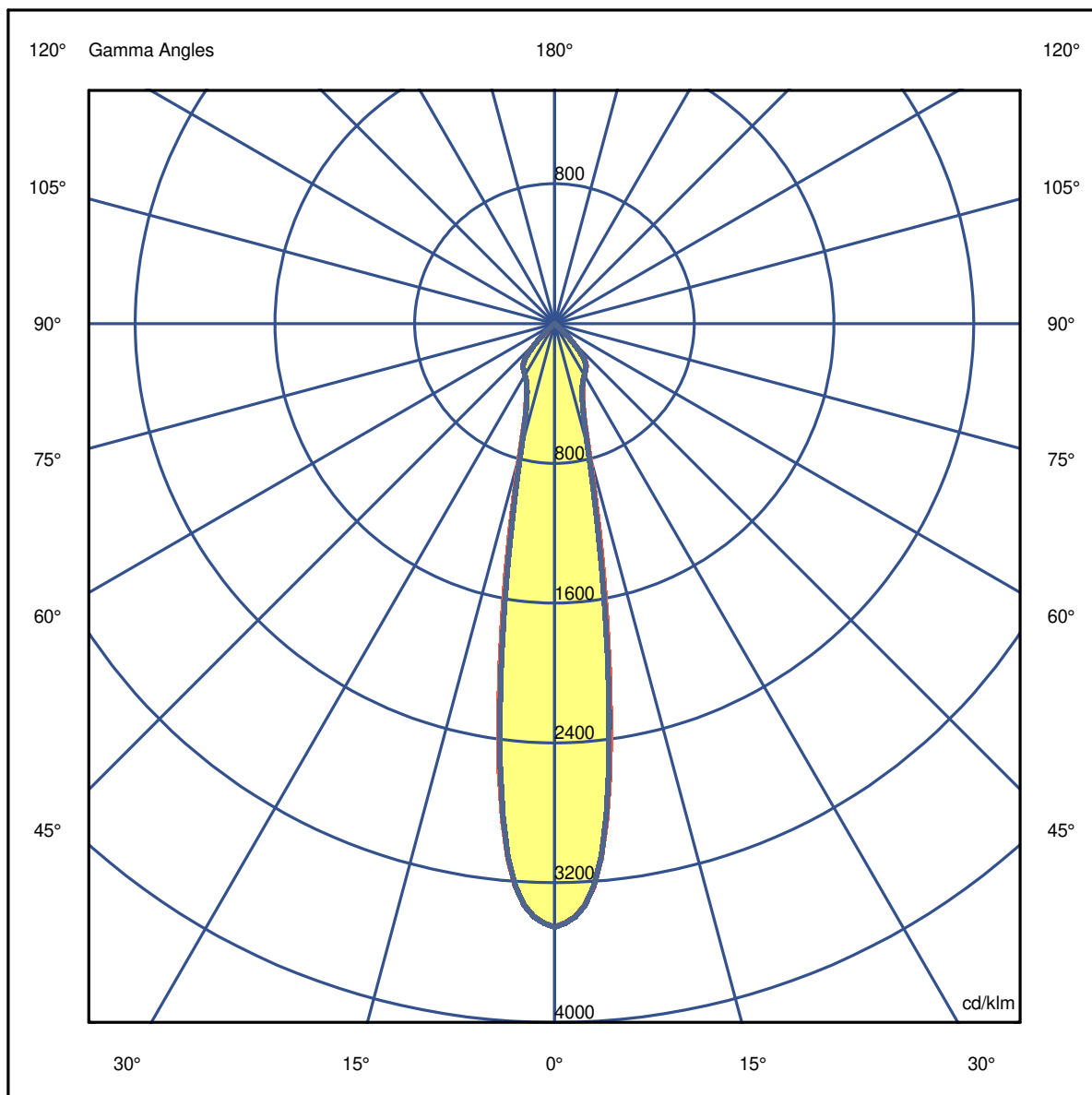
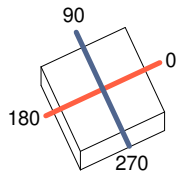
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| | | | | | | | |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1172 lm | Luminaire Power | 10.8 W | Efficacy | 108.585 lm/W | Efficiency | 97.31% |
| Source Flux | 1204 lm | Maximum value | 3455.10 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

50mm x 50mm

C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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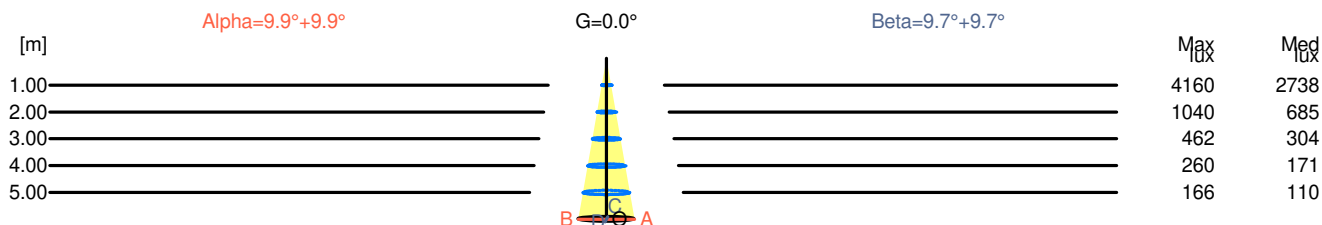
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Width at 50.00 % of Max Intensity

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 0.18 | 0.35 | 0.53 | 0.70 | 0.88 | OC | 0.17 | 0.34 | 0.51 | 0.69 | 0.86 |
| OB | 0.18 | 0.35 | 0.53 | 0.70 | 0.88 | OD | 0.17 | 0.34 | 0.51 | 0.69 | 0.86 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|--------|--------|--------|--------|------|------|------|------|
| OA | 4159.94 | 3697.97 | 912.63 | 458.60 | 376.37 | 150.98 | 4.82 | 2.05 | 1.32 | 0.72 |
| OB | 4159.94 | 3697.97 | 912.63 | 458.60 | 376.37 | 150.98 | 4.82 | 2.05 | 1.32 | 0.72 |
| OC | 4159.94 | 3686.65 | 883.98 | 454.99 | 375.29 | 156.16 | 4.82 | 2.05 | 0.72 | 0.72 |
| OD | 4159.94 | 3686.65 | 883.98 | 454.99 | 375.29 | 156.16 | 4.82 | 2.05 | 0.72 | 0.72 |



| H[m] | D[m] | Max lux | Med lux | Alpha=9.9°+9.9° | G=0.0 |
|------|------|---------|---------|-----------------|-------|
| 1.00 | 0.35 | 4160 | 2738 | | |
| 2.00 | 0.70 | 1040 | 685 | | |
| 3.00 | 1.05 | 462 | 304 | | |
| 4.00 | 1.40 | 260 | 171 | | |
| 5.00 | 1.75 | 166 | 110 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=9.7°+9.7° | G=0.0 |
|------|------|---------|---------|----------------|-------|
| 1.00 | 0.34 | 4160 | 2738 | | |
| 2.00 | 0.69 | 1040 | 685 | | |
| 3.00 | 1.03 | 462 | 304 | | |
| 4.00 | 1.37 | 260 | 171 | | |
| 5.00 | 1.72 | 166 | 110 | | |

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|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1172 lm | Luminaire Power | 10.8 W | Efficacy | 108.585 lm/W | Efficiency | 97.31% |
| Source Flux | 1204 lm | Maximum value | 3455.10 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 | 20.9 | 21.6 | 21.2 | 21.8 | 22.0 | 20.9 | 21.6 | 21.2 | 21.8 | 22.0 |
| x=2H y=3H | 20.8 | 21.4 | 21.0 | 21.6 | 21.9 | 20.8 | 21.4 | 21.1 | 21.7 | 21.9 |
| x=2H y=4H | 20.7 | 21.3 | 21.0 | 21.6 | 21.8 | 20.7 | 21.3 | 21.0 | 21.6 | 21.8 |
| x=2H y=6H | 20.6 | 21.2 | 20.9 | 21.5 | 21.8 | 20.6 | 21.2 | 20.9 | 21.5 | 21.8 |
| x=2H y=8H | 20.6 | 21.1 | 20.9 | 21.4 | 21.7 | 20.6 | 21.1 | 20.9 | 21.4 | 21.7 |
| x=2H y=12H | 20.5 | 21.1 | 20.9 | 21.4 | 21.7 | 20.5 | 21.1 | 20.9 | 21.4 | 21.7 |
| x=4H y=2H | 20.7 | 21.3 | 21.0 | 21.6 | 21.8 | 20.7 | 21.3 | 21.0 | 21.6 | 21.8 |
| x=4H y=3H | 20.5 | 21.1 | 20.9 | 21.4 | 21.7 | 20.5 | 21.1 | 20.9 | 21.4 | 21.7 |
| x=4H y=4H | 20.5 | 20.9 | 20.8 | 21.3 | 21.6 | 20.5 | 20.9 | 20.9 | 21.3 | 21.6 |
| x=4H y=6H | 20.4 | 20.8 | 20.8 | 21.1 | 21.5 | 20.4 | 20.8 | 20.8 | 21.1 | 21.5 |
| x=4H y=8H | 20.4 | 20.7 | 20.8 | 21.1 | 21.5 | 20.4 | 20.7 | 20.8 | 21.1 | 21.5 |
| x=4H y=12H | 20.3 | 20.6 | 20.8 | 21.0 | 21.4 | 20.3 | 20.6 | 20.8 | 21.0 | 21.4 |
| x=8H y=4H | 20.4 | 20.7 | 20.8 | 21.1 | 21.5 | 20.4 | 20.7 | 20.8 | 21.1 | 21.5 |
| x=8H y=6H | 20.3 | 20.5 | 20.7 | 21.0 | 21.4 | 20.3 | 20.5 | 20.7 | 21.0 | 21.4 |
| x=8H y=8H | 20.2 | 20.4 | 20.7 | 20.9 | 21.4 | 20.2 | 20.5 | 20.7 | 20.9 | 21.4 |
| x=8H y=12H | 20.2 | 20.4 | 20.7 | 20.8 | 21.3 | 20.2 | 20.4 | 20.7 | 20.8 | 21.3 |
| x=12H y=4H | 20.3 | 20.6 | 20.8 | 21.0 | 21.4 | 20.3 | 20.6 | 20.8 | 21.0 | 21.4 |
| x=12H y=6H | 20.2 | 20.4 | 20.7 | 20.9 | 21.3 | 20.2 | 20.4 | 20.7 | 20.9 | 21.4 |
| x=12H y=8H | 20.2 | 20.4 | 20.7 | 20.8 | 21.3 | 20.2 | 20.4 | 20.7 | 20.8 | 21.3 |

Luminaire

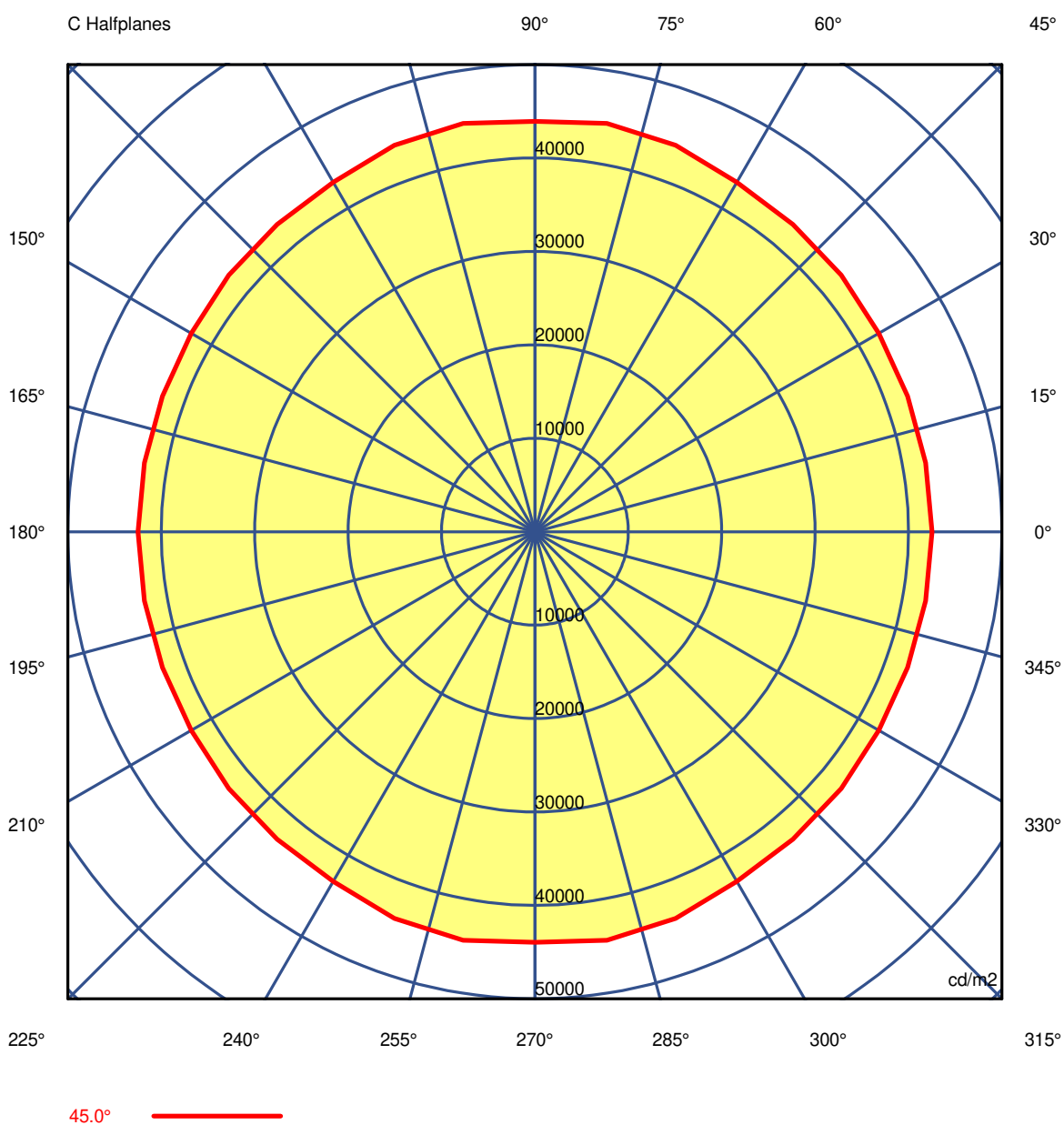
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|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 1172 lm | Luminaire Power | 10.8 W | Efficacy | 108.585 lm/W | Efficiency | 97.31% |
| Source Flux | 1204 lm | Maximum value | 3455.10 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

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Measurement

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| Luminaire Flux | | 1172 lm | | Luminaire Power | | 10.8 W | | Efficacy | | 108.585 lm/W | | Efficiency | | 97.31% | |
|-----------------|---------|---------|---------|-----------------|---------|----------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|---------|
| Source Flux | | 1204 lm | | Maximum value | | 3455.10 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 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 |
| G 5.0 | 1835141 | 1831528 | 1834210 | 1841654 | 1846379 | 1848163 | 1850557 | 1855146 | 1848808 | 1829525 | 1848808 | 1855146 | 1850557 | 1848808 | 1835141 |
| G 10.0 | 904734 | 900454 | 896640 | 894541 | 893802 | 890764 | 886462 | 889668 | 886307 | 871939 | 886307 | 889668 | 886462 | 890764 | 904734 |
| G 15.0 | 361103 | 362039 | 361325 | 359579 | 358691 | 356782 | 353719 | 351580 | 350424 | 349765 | 350424 | 351580 | 353719 | 356782 | 361103 |
| G 20.0 | 206670 | 206299 | 205125 | 204048 | 204558 | 203937 | 202432 | 203031 | 203661 | 203175 | 203661 | 203031 | 202432 | 203937 | 206670 |
| G 25.0 | 154787 | 154626 | 154337 | 154055 | 153981 | 153573 | 153039 | 153188 | 153479 | 153568 | 153479 | 153188 | 153039 | 153573 | 154787 |
| G 30.0 | 130671 | 130569 | 130354 | 130173 | 130244 | 130044 | 129714 | 129935 | 130110 | 130135 | 130110 | 129935 | 129714 | 130044 | 130671 |
| G 35.0 | 113767 | 113743 | 113606 | 113403 | 113517 | 113363 | 113039 | 113247 | 113415 | 113440 | 113415 | 113247 | 113039 | 113363 | 113767 |
| G 40.0 | 91808 | 91656 | 91354 | 91109 | 91207 | 90877 | 90340 | 90582 | 90678 | 90200 | 90678 | 90582 | 90340 | 90877 | 91808 |
| G 45.0 | 42492 | 42476 | 42436 | 42492 | 42779 | 42947 | 43204 | 44041 | 44399 | 43949 | 44399 | 44041 | 43204 | 42947 | 42492 |
| G 50.0 | 4272 | 4340 | 4300 | 4173 | 4078 | 4003 | 3974 | 4054 | 4148 | 4206 | 4148 | 4054 | 3974 | 4078 | 4272 |
| G 55.0 | 1305 | 1305 | 1305 | 1305 | 1305 | 1317 | 1338 | 1318 | 1305 | 1305 | 1305 | 1318 | 1338 | 1317 | 1305 |
| G 60.0 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 |
| G 65.0 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 |
| G 70.0 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 367 | 392 | 367 | 359 | 359 | 359 | 359 |
| G 75.0 | 365 | 365 | 343 | 299 | 299 | 280 | 232 | 232 | 227 | 199 | 227 | 232 | 232 | 280 | 365 |
| G 80.0 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 |
| 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 | 1172 lm | | Luminaire Power | | 10.8 W | | Efficacy | | 108.585 lm/W | | Efficiency | | 97.31% | |
| Source Flux | 1204 lm | | Maximum value | | 3455.10 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 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | |
| G 5.0 | 1848163 | 1846379 | 1841654 | 1834210 | 1831528 | 1835141 | 1831528 | 1834210 | 1841654 | 1846379 | 1848163 | 1850557 | 1855146 | |
| G 10.0 | 890764 | 893802 | 894541 | 896640 | 900454 | 904734 | 900454 | 896640 | 894541 | 893802 | 890764 | 886462 | 889668 | |
| G 15.0 | 356782 | 358691 | 359579 | 361325 | 362039 | 361103 | 362039 | 361325 | 359579 | 358691 | 356782 | 353719 | 351580 | |
| G 20.0 | 203937 | 204558 | 204048 | 205125 | 206299 | 206670 | 206299 | 205125 | 204048 | 204558 | 203937 | 202432 | 203031 | |
| G 25.0 | 153573 | 153981 | 154055 | 154337 | 154626 | 154787 | 154626 | 154337 | 154055 | 153981 | 153573 | 153039 | 153188 | |
| G 30.0 | 130044 | 130244 | 130173 | 130354 | 130569 | 130671 | 130569 | 130354 | 130173 | 130244 | 130044 | 129714 | 129935 | |
| G 35.0 | 113363 | 113517 | 113403 | 113606 | 113743 | 113767 | 113743 | 113606 | 113403 | 113517 | 113363 | 113039 | 113247 | |
| G 40.0 | 90877 | 91207 | 91109 | 91354 | 91656 | 91808 | 91656 | 91354 | 91109 | 91207 | 90877 | 90340 | 90582 | |
| G 45.0 | 42947 | 42779 | 42492 | 42436 | 42476 | 42492 | 42476 | 42436 | 42492 | 42779 | 42947 | 43204 | 44041 | |
| G 50.0 | 4003 | 4078 | 4173 | 4300 | 4340 | 4272 | 4340 | 4300 | 4173 | 4078 | 4003 | 3974 | 4054 | |
| G 55.0 | 1317 | 1305 | 1305 | 1305 | 1305 | 1305 | 1305 | 1305 | 1305 | 1305 | 1317 | 1338 | 1318 | |
| G 60.0 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | |
| G 65.0 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | |
| G 70.0 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | |
| G 75.0 | 280 | 299 | 299 | 343 | 365 | 365 | 365 | 343 | 299 | 299 | 280 | 232 | 232 | |
| G 80.0 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | |
| 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 | 1172 lm | Luminaire Power | 10.8 W | Efficacy | 108.585 lm/W | Efficiency | 97.31% |
| Source Flux | 1204 lm | Maximum value | 3455.10 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 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 | 2397737 |
| G 5.0 | 1848808 | 1829525 | 1848808 | 1855146 | 1850557 | 1848163 | 1846379 | 1841654 | 1834210 | 1831528 |
| G 10.0 | 886307 | 871939 | 886307 | 889668 | 886462 | 890764 | 893802 | 894541 | 896640 | 900454 |
| G 15.0 | 350424 | 349765 | 350424 | 351580 | 353719 | 356782 | 358691 | 359579 | 361325 | 362039 |
| G 20.0 | 203661 | 203175 | 203661 | 203031 | 202432 | 203937 | 204558 | 204048 | 205125 | 206299 |
| G 25.0 | 153479 | 153568 | 153479 | 153188 | 153039 | 153573 | 153981 | 154055 | 154337 | 154626 |
| G 30.0 | 130110 | 130135 | 130110 | 129935 | 129714 | 130044 | 130244 | 130173 | 130354 | 130569 |
| G 35.0 | 113415 | 113440 | 113415 | 113247 | 113039 | 113363 | 113517 | 113403 | 113606 | 113743 |
| G 40.0 | 90678 | 90200 | 90678 | 90582 | 90340 | 90877 | 91207 | 91109 | 91354 | 91656 |
| G 45.0 | 44399 | 43949 | 44399 | 44041 | 43204 | 42947 | 42779 | 42492 | 42436 | 42476 |
| G 50.0 | 4148 | 4206 | 4148 | 4054 | 3974 | 4003 | 4078 | 4173 | 4300 | 4340 |
| G 55.0 | 1305 | 1305 | 1305 | 1318 | 1338 | 1317 | 1305 | 1305 | 1305 | 1305 |
| G 60.0 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 | 842 |
| G 65.0 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 | 551 |
| G 70.0 | 367 | 392 | 367 | 359 | 359 | 359 | 359 | 359 | 359 | 359 |
| G 75.0 | 227 | 199 | 227 | 232 | 232 | 280 | 299 | 299 | 343 | 365 |
| G 80.0 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 |
| 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 |