

Luminaire

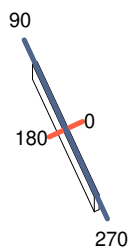
Code 90826L150
Name AVL L1401 DPT 840

Measurem.

Code 10/7/2023
Name AVL L1401 DPT 840

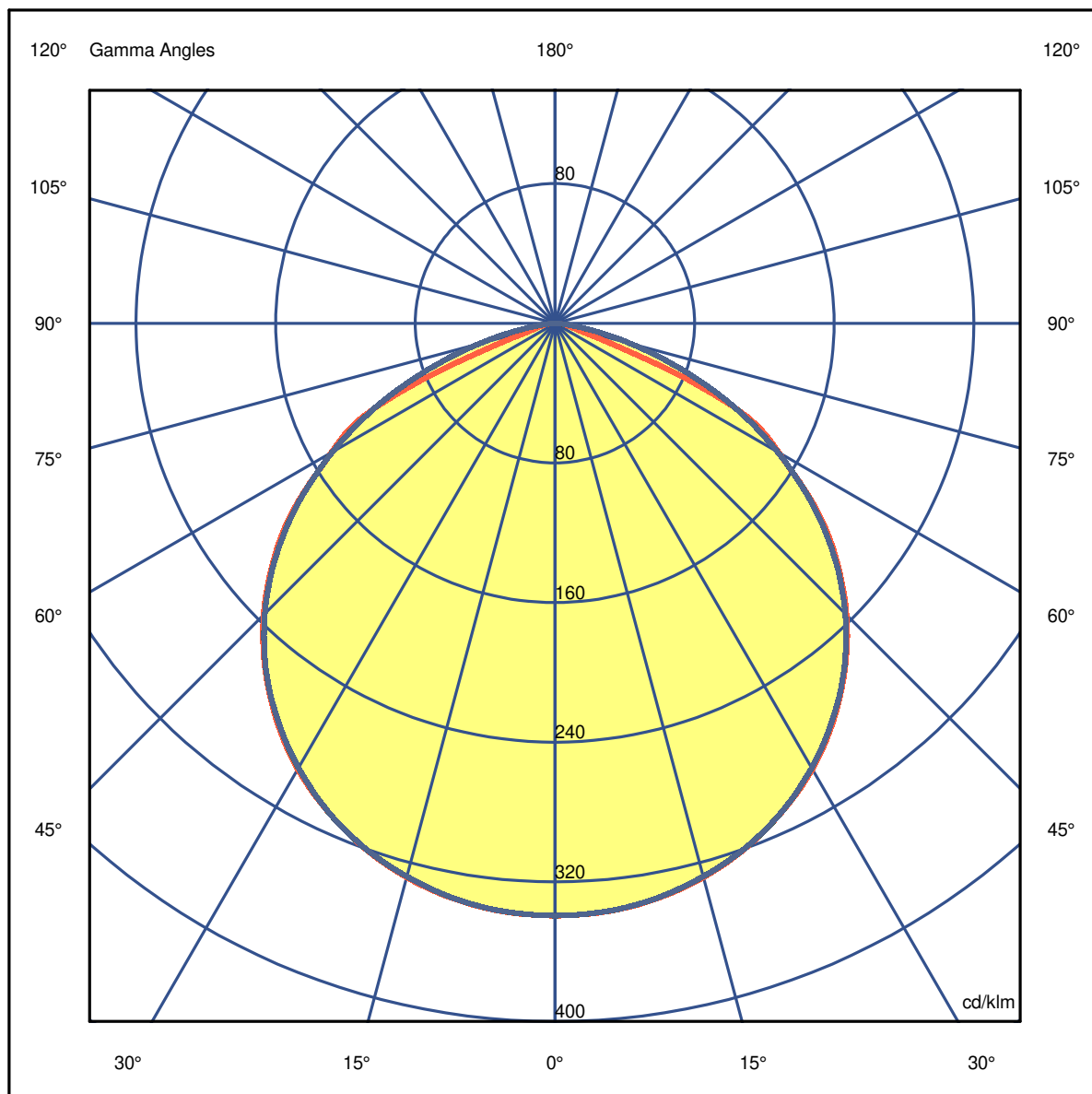
| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 4482 lm | Luminaire Power | 28.8 W | Efficacy | 155.426 lm/W | Efficiency | 93.39% |
| Source Flux | 4800 lm | Maximum value | 339.30 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

1401mm x 52mm



C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



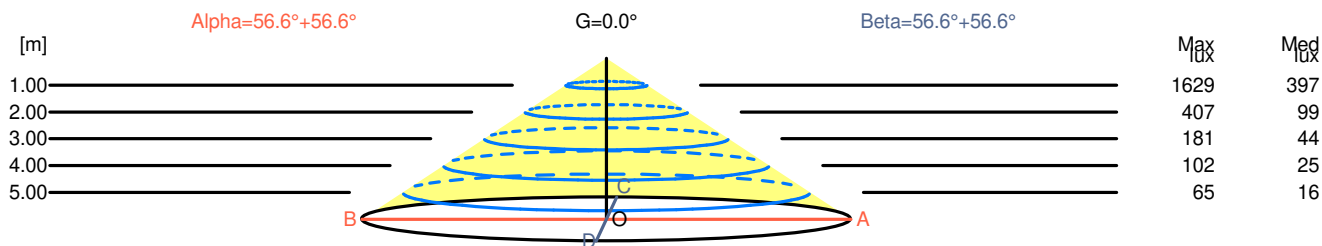
LuminaireCode 90826L150
Name AVL L1401 DPT 840**Measurem.**Code 10/7/2023
Name AVL L1401 DPT 840

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 4482 lm | Luminaire Power | 28.8 W | Efficacy | 155.426 lm/W | Efficiency | 93.39% |
| Source Flux | 4800 lm | Maximum value | 339.30 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 | 1.52 | 3.04 | 4.56 | 6.08 | 7.60 | OC | 1.51 | 3.03 | 4.54 | 6.06 | 7.57 |
| OB | 1.52 | 3.04 | 4.56 | 6.08 | 7.60 | OD | 1.51 | 3.03 | 4.54 | 6.06 | 7.57 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|---------|---------|--------|--------|--------|-------|
| OA | 1628.64 | 1623.84 | 1577.28 | 1480.32 | 1334.40 | 1133.76 | 868.80 | 540.00 | 58.08 | 19.68 |
| OB | 1628.64 | 1623.84 | 1577.28 | 1480.32 | 1334.40 | 1133.76 | 868.80 | 540.00 | 58.08 | 19.68 |
| OC | 1628.64 | 1622.88 | 1574.40 | 1479.36 | 1330.08 | 1128.48 | 862.08 | 543.36 | 216.00 | 20.64 |
| OD | 1628.64 | 1622.88 | 1574.40 | 1479.36 | 1330.08 | 1128.48 | 862.08 | 543.36 | 216.00 | 20.64 |



| H[m] | D[m] | Max lux | Med lux | Alpha=56.6°+56.6° | G=0.0 |
|------|-------|---------|---------|-------------------|-------|
| 1.00 | 3.04 | 1629 | 397 | | |
| 2.00 | 6.08 | 407 | 99 | | |
| 3.00 | 9.12 | 181 | 44 | | |
| 4.00 | 12.15 | 102 | 25 | | |
| 5.00 | 15.19 | 65 | 16 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=56.6°+56.6° | G=0.0 |
|------|-------|---------|---------|------------------|-------|
| 1.00 | 3.03 | 1629 | 397 | | |
| 2.00 | 6.06 | 407 | 99 | | |
| 3.00 | 9.09 | 181 | 44 | | |
| 4.00 | 12.11 | 102 | 25 | | |
| 5.00 | 15.14 | 65 | 16 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 4482 lm | Luminaire Power | 28.8 W | Efficacy | 155.426 lm/W | Efficiency | 93.39% |
| Source Flux | 4800 lm | Maximum value | 339.30 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 | 20.6 | 21.8 | 20.9 | 22.1 | 22.3 | 22.1 | 23.3 | 22.4 | 23.6 | 23.8 |
| x=2H y=3H | 21.0 | 22.2 | 21.3 | 22.4 | 22.7 | 23.3 | 24.4 | 23.6 | 24.7 | 24.9 |
| x=2H y=4H | 21.0 | 22.1 | 21.3 | 22.3 | 22.6 | 23.6 | 24.7 | 23.9 | 24.9 | 25.2 |
| x=2H y=6H | 20.9 | 21.9 | 21.3 | 22.2 | 22.5 | 23.7 | 24.7 | 24.1 | 25.0 | 25.3 |
| x=2H y=8H | 20.9 | 21.8 | 21.2 | 22.1 | 22.4 | 23.7 | 24.7 | 24.1 | 25.0 | 25.3 |
| x=2H y=12H | 20.8 | 21.7 | 21.2 | 22.1 | 22.4 | 23.7 | 24.6 | 24.1 | 24.9 | 25.3 |
| x=4H y=2H | 21.1 | 22.2 | 21.5 | 22.5 | 22.8 | 22.4 | 23.5 | 22.7 | 23.7 | 24.0 |
| x=4H y=3H | 21.7 | 22.6 | 22.1 | 22.9 | 23.3 | 23.7 | 24.6 | 24.1 | 24.9 | 25.2 |
| x=4H y=4H | 21.7 | 22.5 | 22.1 | 22.8 | 23.2 | 24.1 | 24.9 | 24.5 | 25.2 | 25.6 |
| x=4H y=6H | 21.6 | 22.3 | 22.0 | 22.7 | 23.1 | 24.2 | 24.9 | 24.7 | 25.3 | 25.7 |
| x=4H y=8H | 21.6 | 22.2 | 22.0 | 22.6 | 23.0 | 24.3 | 24.9 | 24.7 | 25.3 | 25.7 |
| x=4H y=12H | 21.6 | 22.1 | 22.0 | 22.5 | 23.0 | 24.3 | 24.8 | 24.7 | 25.2 | 25.7 |
| x=8H y=4H | 21.7 | 22.3 | 22.1 | 22.7 | 23.2 | 24.0 | 24.7 | 24.5 | 25.1 | 25.5 |
| x=8H y=6H | 21.7 | 22.2 | 22.1 | 22.6 | 23.1 | 24.2 | 24.7 | 24.7 | 25.2 | 25.6 |
| x=8H y=8H | 21.6 | 22.1 | 22.1 | 22.5 | 23.0 | 24.2 | 24.7 | 24.7 | 25.1 | 25.6 |
| x=8H y=12H | 21.6 | 22.0 | 22.1 | 22.5 | 23.0 | 24.2 | 24.6 | 24.7 | 25.1 | 25.6 |
| x=12H y=4H | 21.7 | 22.3 | 22.1 | 22.7 | 23.1 | 24.0 | 24.6 | 24.5 | 25.0 | 25.4 |
| x=12H y=6H | 21.6 | 22.1 | 22.1 | 22.5 | 23.0 | 24.2 | 24.6 | 24.7 | 25.1 | 25.6 |
| x=12H y=8H | 21.6 | 22.0 | 22.1 | 22.5 | 23.0 | 24.2 | 24.6 | 24.7 | 25.1 | 25.6 |

Luminaire

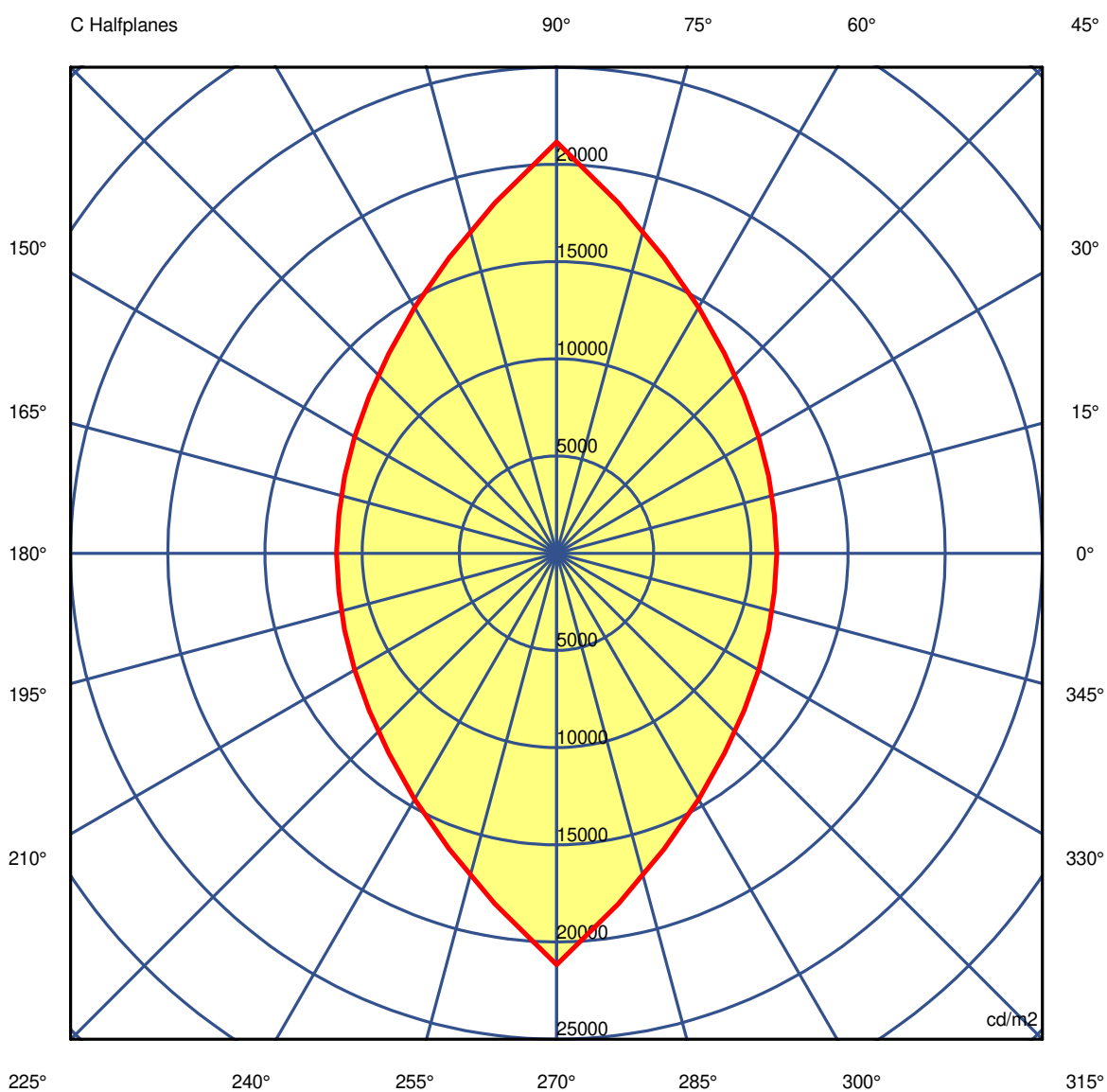
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 4482 lm | Luminaire Power | 28.8 W | Efficacy | 155.426 lm/W | Efficiency | 93.39% |
| Source Flux | 4800 lm | Maximum value | 339.30 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

LuminaireCode 90826L150
Name AVL L1401 DPT 840**Measur.**Code 10/7/2023
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|---------------------------|---------|-----------------|---------|---------|---------|---------------|----------|---------|---------------|---------|-----------------------|----------|----------|
| Luminaire Flux | 4482 lm | Luminaire Power | | | | 28.8 W | Efficacy | | 155.426 lm/W | | Efficiency | | 93.39% |
| Source Flux | 4800 lm | Maximum value | | | | 339.30 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 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 |
| G 5.0 | 20671 | 20666 | 20736 | 20860 | 20995 | 21186 | 21434 | 21689 | 21972 | 22293 | 21972 | 21689 | 21434 |
| G 10.0 | 19202 | 19211 | 19318 | 19517 | 19791 | 20137 | 20555 | 21044 | 21606 | 22235 | 21606 | 21044 | 20555 |
| G 15.0 | 17896 | 17922 | 18065 | 18322 | 18684 | 19159 | 19747 | 20441 | 21248 | 22166 | 21248 | 20441 | 19747 |
| G 20.0 | 16697 | 16734 | 16900 | 17198 | 17641 | 18229 | 18962 | 19843 | 20895 | 22127 | 20895 | 19843 | 18962 |
| G 25.0 | 15576 | 15621 | 15812 | 16150 | 16644 | 17316 | 18177 | 19233 | 20514 | 22046 | 20514 | 19233 | 18177 |
| G 30.0 | 14531 | 14563 | 14766 | 15141 | 15684 | 16422 | 17381 | 18588 | 20085 | 21925 | 20085 | 18588 | 17381 |
| G 35.0 | 13472 | 13513 | 13730 | 14125 | 14699 | 15486 | 16526 | 17863 | 19576 | 21755 | 19576 | 17863 | 16526 |
| G 40.0 | 12411 | 12466 | 12691 | 13093 | 13683 | 14491 | 15588 | 17084 | 19030 | 21541 | 19030 | 17084 | 15588 |
| G 45.0 | 11331 | 11380 | 11599 | 12003 | 12588 | 13429 | 14603 | 16186 | 18303 | 21166 | 18303 | 16186 | 14603 |
| G 50.0 | 10163 | 10201 | 10429 | 10845 | 11397 | 12233 | 13429 | 15066 | 17339 | 20585 | 17339 | 15066 | 13429 |
| G 55.0 | 8863 | 8918 | 9133 | 9529 | 10127 | 10922 | 12028 | 13711 | 16118 | 19649 | 16118 | 13711 | 12028 |
| G 60.0 | 7404 | 7464 | 7673 | 8051 | 8617 | 9346 | 10388 | 12094 | 14577 | 18277 | 14577 | 12094 | 10388 |
| G 65.0 | 5806 | 5842 | 6009 | 6337 | 6863 | 7544 | 8511 | 10127 | 12556 | 16417 | 12556 | 10127 | 8511 |
| G 70.0 | 1959 | 2097 | 2841 | 4034 | 4908 | 5555 | 6352 | 7725 | 9876 | 13586 | 9876 | 7725 | 6352 |
| G 75.0 | 682 | 687 | 660 | 731 | 1351 | 2572 | 4052 | 5061 | 6695 | 10133 | 6695 | 5061 | 4052 |
| G 80.0 | 443 | 446 | 461 | 490 | 538 | 545 | 819 | 2084 | 3816 | 6111 | 3816 | 2084 | 819 |
| G 85.0 | 263 | 271 | 280 | 287 | 302 | 331 | 371 | 421 | 718 | 2322 | 718 | 421 | 371 |
| G 90.0 | 147 | 143 | 147 | 158 | 172 | 193 | 237 | 334 | 568 | 2637 | 568 | 334 | 237 |

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| Luminaire Flux | 4482 lm | | Luminaire Power | | 28.8 W | | Efficacy | | 155.426 lm/W | | Efficiency | | 93.39% | |
| Source Flux | 4800 lm | | Maximum value | | 339.30 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 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | |
| G 5.0 | 21186 | 20995 | 20860 | 20736 | 20666 | 20671 | 20666 | 20736 | 20860 | 20995 | 21186 | 21434 | 21689 | |
| G 10.0 | 20137 | 19791 | 19517 | 19318 | 19211 | 19202 | 19211 | 19318 | 19517 | 19791 | 20137 | 20555 | 21044 | |
| G 15.0 | 19159 | 18684 | 18322 | 18065 | 17922 | 17896 | 17922 | 18065 | 18322 | 18684 | 19159 | 19747 | 20441 | |
| G 20.0 | 18229 | 17641 | 17198 | 16900 | 16734 | 16697 | 16734 | 16900 | 17198 | 17641 | 18229 | 18962 | 19843 | |
| G 25.0 | 17316 | 16644 | 16150 | 15812 | 15621 | 15576 | 15621 | 15812 | 16150 | 16644 | 17316 | 18177 | 19233 | |
| G 30.0 | 16422 | 15684 | 15141 | 14766 | 14563 | 14531 | 14563 | 14766 | 15141 | 15684 | 16422 | 17381 | 18588 | |
| G 35.0 | 15486 | 14699 | 14125 | 13730 | 13513 | 13472 | 13513 | 13730 | 14125 | 14699 | 15486 | 16526 | 17863 | |
| G 40.0 | 14491 | 13683 | 13093 | 12691 | 12466 | 12411 | 12466 | 12691 | 13093 | 13683 | 14491 | 15588 | 17084 | |
| G 45.0 | 13429 | 12588 | 12003 | 11599 | 11380 | 11331 | 11380 | 11599 | 12003 | 12588 | 13429 | 14603 | 16186 | |
| G 50.0 | 12233 | 11397 | 10845 | 10429 | 10201 | 10163 | 10201 | 10429 | 10845 | 11397 | 12233 | 13429 | 15066 | |
| G 55.0 | 10922 | 10127 | 9529 | 9133 | 8918 | 8863 | 8918 | 9133 | 9529 | 10127 | 10922 | 12028 | 13711 | |
| G 60.0 | 9346 | 8617 | 8051 | 7673 | 7464 | 7404 | 7464 | 7673 | 8051 | 8617 | 9346 | 10388 | 12094 | |
| G 65.0 | 7544 | 6863 | 6337 | 6009 | 5842 | 5806 | 5842 | 6009 | 6337 | 6863 | 7544 | 8511 | 10127 | |
| G 70.0 | 5555 | 4908 | 4034 | 2841 | 2097 | 1959 | 2097 | 2841 | 4034 | 4908 | 5555 | 6352 | 7725 | |
| G 75.0 | 2572 | 1351 | 731 | 660 | 687 | 682 | 687 | 660 | 731 | 1351 | 2572 | 4052 | 5061 | |
| G 80.0 | 545 | 538 | 490 | 461 | 446 | 443 | 446 | 461 | 490 | 538 | 545 | 819 | 2084 | |
| G 85.0 | 331 | 302 | 287 | 280 | 271 | 263 | 271 | 280 | 287 | 302 | 331 | 371 | 421 | |
| G 90.0 | 193 | 172 | 158 | 147 | 143 | 147 | 143 | 147 | 158 | 172 | 193 | 237 | 334 | |

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| Source Flux | 4800 lm | Maximum value | 339.30 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 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 | 22355 |
| G 5.0 | 21972 | 22293 | 21972 | 21689 | 21434 | 21186 | 20995 | 20860 | 20736 | 20666 |
| G 10.0 | 21606 | 22235 | 21606 | 21044 | 20555 | 20137 | 19791 | 19517 | 19318 | 19211 |
| G 15.0 | 21248 | 22166 | 21248 | 20441 | 19747 | 19159 | 18684 | 18322 | 18065 | 17922 |
| G 20.0 | 20895 | 22127 | 20895 | 19843 | 18962 | 18229 | 17641 | 17198 | 16900 | 16734 |
| G 25.0 | 20514 | 22046 | 20514 | 19233 | 18177 | 17316 | 16644 | 16150 | 15812 | 15621 |
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| G 35.0 | 19576 | 21755 | 19576 | 17863 | 16526 | 15486 | 14699 | 14125 | 13730 | 13513 |
| G 40.0 | 19030 | 21541 | 19030 | 17084 | 15588 | 14491 | 13683 | 13093 | 12691 | 12466 |
| G 45.0 | 18303 | 21166 | 18303 | 16186 | 14603 | 13429 | 12588 | 12003 | 11599 | 11380 |
| G 50.0 | 17339 | 20585 | 17339 | 15066 | 13429 | 12233 | 11397 | 10845 | 10429 | 10201 |
| G 55.0 | 16118 | 19649 | 16118 | 13711 | 12028 | 10922 | 10127 | 9529 | 9133 | 8918 |
| G 60.0 | 14577 | 18277 | 14577 | 12094 | 10388 | 9346 | 8617 | 8051 | 7673 | 7464 |
| G 65.0 | 12556 | 16417 | 12556 | 10127 | 8511 | 7544 | 6863 | 6337 | 6009 | 5842 |
| G 70.0 | 9876 | 13586 | 9876 | 7725 | 6352 | 5555 | 4908 | 4034 | 2841 | 2097 |
| G 75.0 | 6695 | 10133 | 6695 | 5061 | 4052 | 2572 | 1351 | 731 | 660 | 687 |
| G 80.0 | 3816 | 6111 | 3816 | 2084 | 819 | 545 | 538 | 490 | 461 | 446 |
| G 85.0 | 718 | 2322 | 718 | 421 | 371 | 331 | 302 | 287 | 280 | 271 |
| G 90.0 | 568 | 2637 | 568 | 334 | 237 | 193 | 172 | 158 | 147 | 143 |