

Luminaire

Code 90437L011

Name VEGA SQ /E Q100 LIGHT+ 930 MO

Measurem.

Code 10/2/2023

Name VEGA SQ /E Q100 LIGHT+ 930 MO

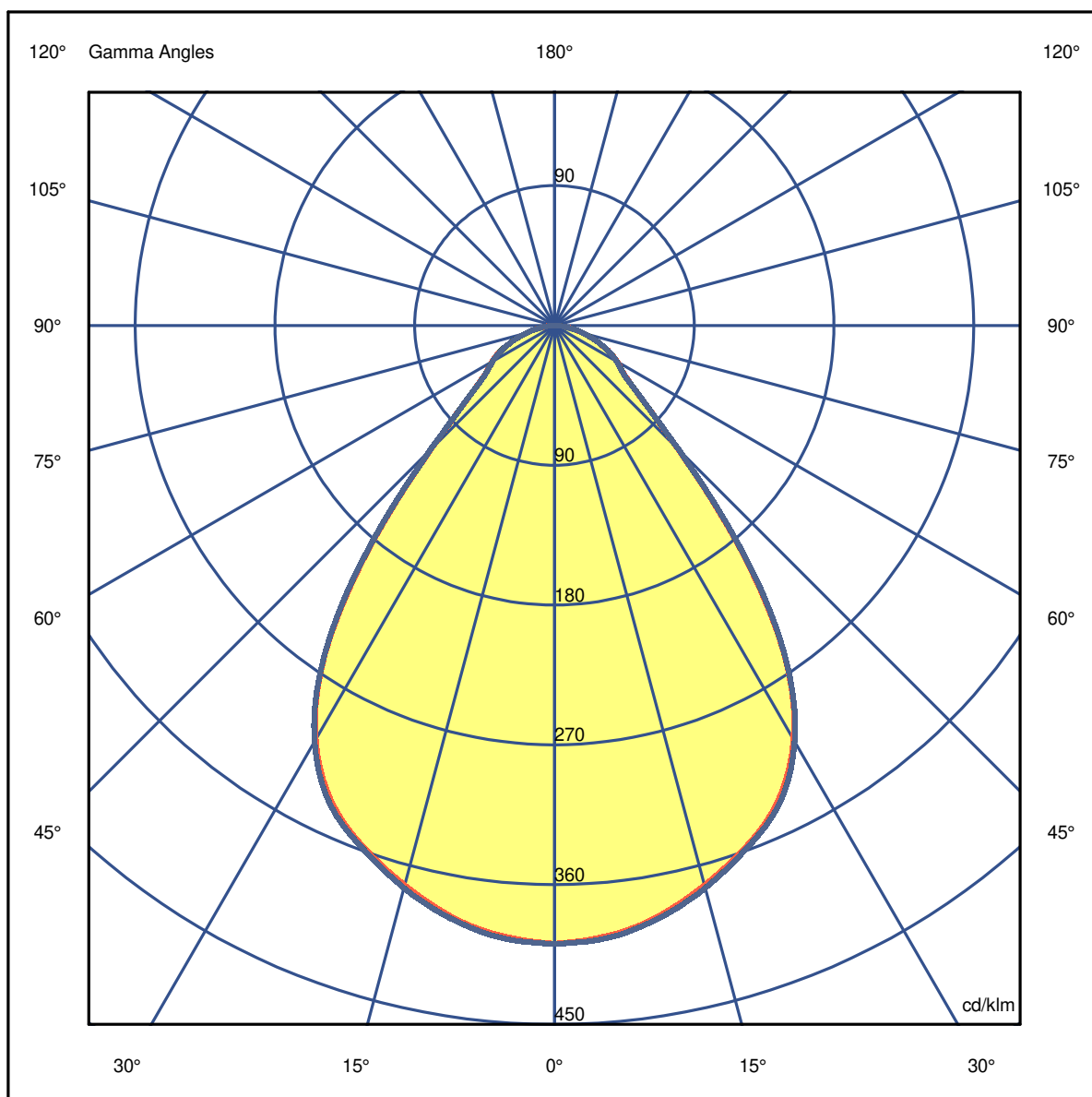
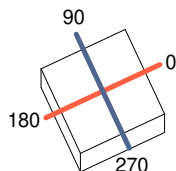
| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 814 lm | Luminaire Power | 8.2 W | Efficacy | 98.612 lm/W | Efficiency | 67.57% |
| Source Flux | 1204 lm | Maximum value | 397.90 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

100mm x 100mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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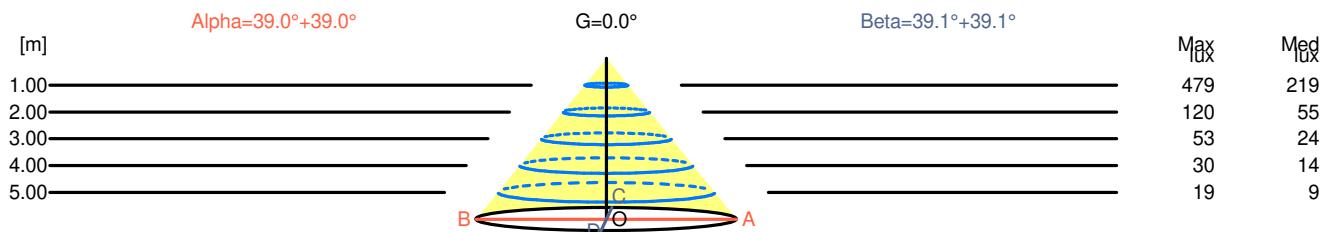
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 814 lm | Luminaire Power | 8.2 W | Efficacy | 98.612 lm/W | Efficiency | 67.57% |
| Source Flux | 1204 lm | Maximum value | 397.90 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 | 0.81 | 1.62 | 2.43 | 3.24 | 4.05 | OC | 0.81 | 1.63 | 2.44 | 3.25 | 4.06 |
| OB | 0.81 | 1.62 | 2.43 | 3.24 | 4.05 | OD | 0.81 | 1.63 | 2.44 | 3.25 | 4.06 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| OA | 479.07 | 474.86 | 449.09 | 408.16 | 310.03 | 134.85 | 65.62 | 45.63 | 22.88 | 6.02 |
| OB | 479.07 | 474.86 | 449.09 | 408.16 | 310.03 | 134.85 | 65.62 | 45.63 | 22.88 | 6.02 |
| OC | 479.07 | 476.42 | 451.38 | 410.68 | 310.99 | 135.81 | 65.50 | 45.39 | 22.76 | 5.42 |
| OD | 479.07 | 476.42 | 451.38 | 410.68 | 310.99 | 135.81 | 65.50 | 45.39 | 22.76 | 5.42 |



| H[m] | D[m] | Max lux | Med lux | Alpha=39.0°+39.0° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.62 | 479 | 219 | | |
| 2.00 | 3.24 | 120 | 55 | | |
| 3.00 | 4.86 | 53 | 24 | | |
| 4.00 | 6.48 | 30 | 14 | | |
| 5.00 | 8.10 | 19 | 9 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=39.1°+39.1° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.63 | 479 | 219 | | |
| 2.00 | 3.25 | 120 | 55 | | |
| 3.00 | 4.88 | 53 | 24 | | |
| 4.00 | 6.50 | 30 | 14 | | |
| 5.00 | 8.13 | 19 | 9 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 814 lm | Luminaire Power | 8.2 W | Efficacy | 98.612 lm/W | Efficiency | 67.57% |
| Source Flux | 1204 lm | Maximum value | 397.90 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 | | | | | | | | | | |
| Room Dimensions | Lateral View | | | | | Viewed Endwise | | | | |
| | | | | | | | | | | |
| x=2H y=2H | 18.8 | 19.8 | 19.0 | 20.0 | 20.2 | 18.8 | 19.8 | 19.0 | 20.0 | 20.2 |
| x=2H y=3H | 19.2 | 20.1 | 19.5 | 20.4 | 20.6 | 19.2 | 20.1 | 19.5 | 20.4 | 20.6 |
| x=2H y=4H | 19.4 | 20.2 | 19.7 | 20.5 | 20.8 | 19.4 | 20.2 | 19.7 | 20.5 | 20.8 |
| x=2H y=6H | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 |
| x=2H y=8H | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 | 19.4 | 20.2 | 19.8 | 20.5 | 20.8 |
| x=2H y=12H | 19.4 | 20.2 | 19.8 | 20.5 | 20.8 | 19.4 | 20.2 | 19.8 | 20.5 | 20.8 |
| x=4H y=2H | 18.9 | 19.7 | 19.2 | 20.0 | 20.3 | 18.9 | 19.7 | 19.2 | 20.0 | 20.3 |
| x=4H y=3H | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 |
| x=4H y=4H | 19.7 | 20.3 | 20.1 | 20.7 | 21.0 | 19.7 | 20.3 | 20.1 | 20.7 | 21.0 |
| x=4H y=6H | 19.8 | 20.4 | 20.2 | 20.8 | 21.1 | 19.8 | 20.4 | 20.2 | 20.7 | 21.1 |
| x=4H y=8H | 19.9 | 20.3 | 20.3 | 20.7 | 21.1 | 19.8 | 20.3 | 20.3 | 20.7 | 21.1 |
| x=4H y=12H | 19.8 | 20.3 | 20.3 | 20.7 | 21.1 | 19.8 | 20.3 | 20.3 | 20.7 | 21.1 |
| x=8H y=4H | 19.7 | 20.2 | 20.1 | 20.6 | 21.0 | 19.7 | 20.2 | 20.1 | 20.6 | 21.0 |
| x=8H y=6H | 19.9 | 20.3 | 20.3 | 20.7 | 21.2 | 19.9 | 20.3 | 20.3 | 20.7 | 21.2 |
| x=8H y=8H | 19.9 | 20.3 | 20.4 | 20.7 | 21.2 | 19.9 | 20.3 | 20.4 | 20.7 | 21.2 |
| x=8H y=12H | 19.9 | 20.2 | 20.4 | 20.7 | 21.2 | 19.9 | 20.2 | 20.4 | 20.7 | 21.2 |
| x=12H y=4H | 19.7 | 20.1 | 20.1 | 20.5 | 21.0 | 19.7 | 20.1 | 20.1 | 20.5 | 21.0 |
| x=12H y=6H | 19.9 | 20.2 | 20.4 | 20.7 | 21.1 | 19.9 | 20.2 | 20.3 | 20.6 | 21.1 |
| x=12H y=8H | 19.9 | 20.2 | 20.4 | 20.7 | 21.2 | 19.9 | 20.2 | 20.4 | 20.7 | 21.2 |

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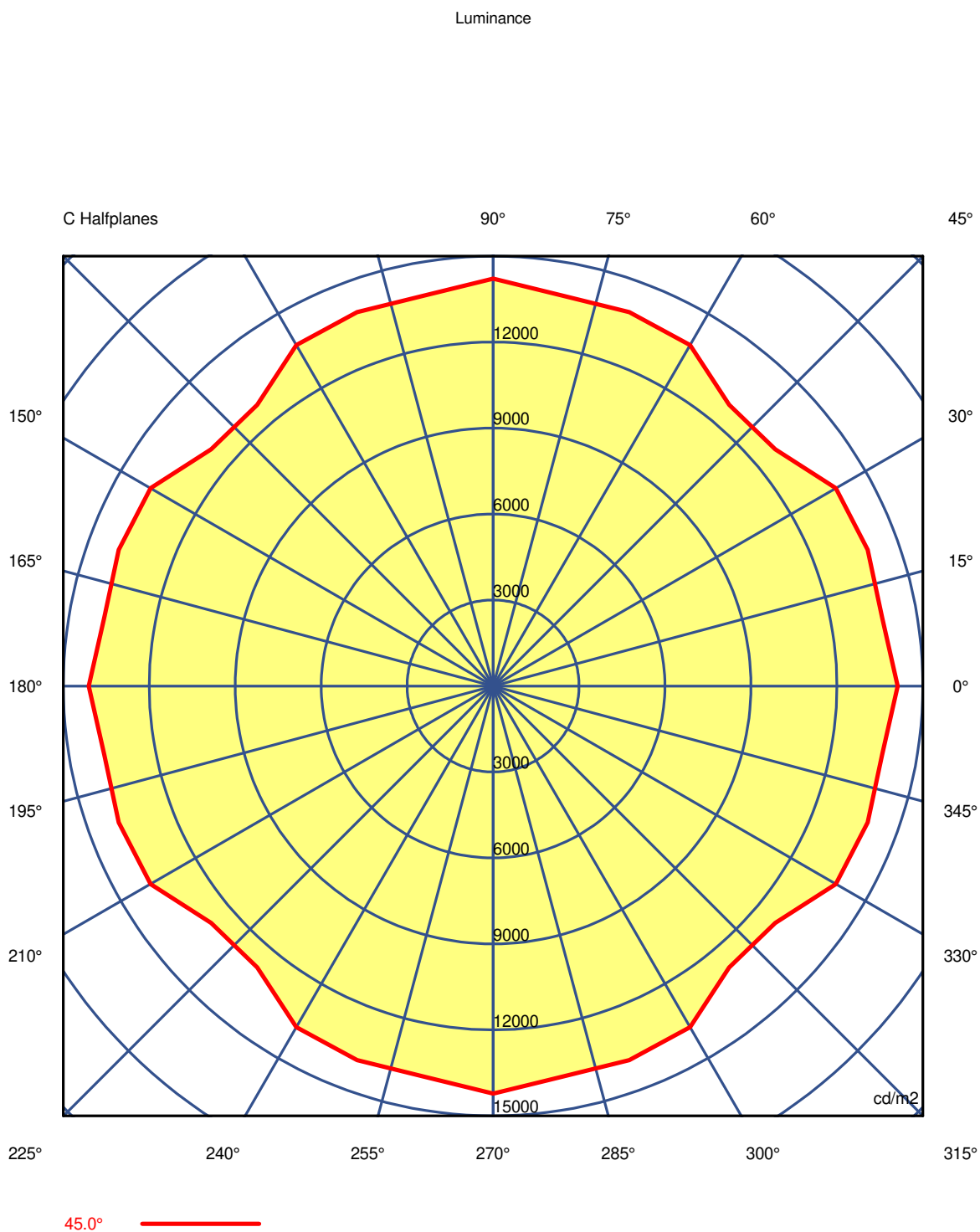
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 814 lm | Luminaire Power | 8.2 W | Efficacy | 98.612 lm/W | Efficiency | 67.57% |
| Source Flux | 1204 lm | Maximum value | 397.90 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |



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| Luminaire Flux | 814 lm | | Luminaire Power | | 8.2 W | | Efficacy | | 98.612 lm/W | | Efficiency | | 67.57% | |
|---------------------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 1204 lm | | Maximum value | | 397.90 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 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | |
| G 5.0 | 78863 | 77646 | 76606 | 75761 | 75290 | 75312 | 75799 | 76615 | 77718 | 79123 | 77718 | 76615 | 75799 | |
| G 10.0 | 69718 | 67711 | 66087 | 64878 | 64297 | 64307 | 64878 | 66030 | 67717 | 69953 | 67717 | 66030 | 64878 | |
| G 15.0 | 61828 | 59239 | 57352 | 56080 | 55412 | 55440 | 56155 | 57463 | 59425 | 62143 | 59425 | 57463 | 56155 | |
| G 20.0 | 55248 | 52301 | 50182 | 48815 | 48240 | 48264 | 48883 | 50274 | 52431 | 55417 | 52431 | 50274 | 48883 | |
| G 25.0 | 49264 | 46185 | 44030 | 42677 | 42074 | 42154 | 42879 | 44264 | 46438 | 49569 | 46438 | 44264 | 42879 | |
| G 30.0 | 42554 | 39800 | 37889 | 36653 | 36049 | 36146 | 36866 | 38047 | 39928 | 42775 | 39928 | 38047 | 36866 | |
| G 35.0 | 34239 | 31936 | 30573 | 29778 | 29169 | 29253 | 29990 | 30815 | 32132 | 34346 | 32132 | 30815 | 29990 | |
| G 40.0 | 23635 | 22477 | 21899 | 21501 | 20927 | 21000 | 21704 | 22184 | 22764 | 23854 | 22764 | 22184 | 21704 | |
| G 45.0 | 14121 | 13787 | 13904 | 13809 | 12851 | 12814 | 13737 | 13886 | 13841 | 14222 | 13841 | 13886 | 13737 | |
| G 50.0 | 9072 | 8605 | 8458 | 8281 | 7736 | 7669 | 8110 | 8264 | 8470 | 9059 | 8470 | 8264 | 8110 | |
| G 55.0 | 6727 | 6134 | 5759 | 5534 | 5410 | 5376 | 5455 | 5690 | 6095 | 6715 | 6095 | 5690 | 5455 | |
| G 60.0 | 5745 | 5119 | 4721 | 4480 | 4350 | 4345 | 4460 | 4678 | 5061 | 5683 | 5061 | 4678 | 4460 | |
| G 65.0 | 4723 | 4167 | 3802 | 3600 | 3555 | 3555 | 3600 | 3796 | 4152 | 4698 | 4152 | 3796 | 3600 | |
| G 70.0 | 3534 | 3110 | 2839 | 2688 | 2640 | 2644 | 2698 | 2843 | 3108 | 3534 | 3108 | 2843 | 2698 | |
| G 75.0 | 2466 | 2166 | 1973 | 1860 | 1817 | 1818 | 1860 | 1966 | 2153 | 2453 | 2153 | 1966 | 1860 | |
| G 80.0 | 1516 | 1318 | 1199 | 1131 | 1099 | 1096 | 1121 | 1188 | 1303 | 1489 | 1303 | 1188 | 1121 | |
| G 85.0 | 699 | 608 | 552 | 519 | 498 | 490 | 499 | 524 | 565 | 629 | 565 | 524 | 499 | |
| G 90.0 | 118 | 113 | 100 | 86 | 84 | 77 | 65 | 75 | 89 | 103 | 89 | 75 | 65 | |

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| Luminaire Flux | 814 lm | | Luminaire Power | | 8.2 W | | Efficacy | | 98.612 lm/W | | Efficiency | | 67.57% | |
| Source Flux | 1204 lm | | Maximum value | | 397.90 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 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | |
| G 5.0 | 75312 | 75290 | 75761 | 76606 | 77646 | 78863 | 77646 | 76606 | 75761 | 75290 | 75312 | 75799 | 76615 | |
| G 10.0 | 64307 | 64297 | 64878 | 66087 | 67711 | 69718 | 67711 | 66087 | 64878 | 64297 | 64307 | 64878 | 66030 | |
| G 15.0 | 55440 | 55412 | 56080 | 57352 | 59239 | 61828 | 59239 | 57352 | 56080 | 55412 | 55440 | 56155 | 57463 | |
| G 20.0 | 48264 | 48240 | 48815 | 50182 | 52301 | 55248 | 52301 | 50182 | 48815 | 48240 | 48264 | 48883 | 50274 | |
| G 25.0 | 42154 | 42074 | 42677 | 44030 | 46185 | 49264 | 46185 | 44030 | 42677 | 42074 | 42154 | 42879 | 44264 | |
| G 30.0 | 36146 | 36049 | 36653 | 37889 | 39800 | 42554 | 39800 | 37889 | 36653 | 36049 | 36146 | 36866 | 38047 | |
| G 35.0 | 29253 | 29169 | 29778 | 30573 | 31936 | 34239 | 31936 | 30573 | 29778 | 29169 | 29253 | 29990 | 30815 | |
| G 40.0 | 21000 | 20927 | 21501 | 21899 | 22477 | 23635 | 22477 | 21899 | 21501 | 20927 | 21000 | 21704 | 22184 | |
| G 45.0 | 12814 | 12851 | 13809 | 13904 | 13787 | 14121 | 13787 | 13904 | 13809 | 12851 | 12814 | 13737 | 13886 | |
| G 50.0 | 7669 | 7736 | 8281 | 8458 | 8605 | 9072 | 8605 | 8458 | 8281 | 7736 | 7669 | 8110 | 8264 | |
| G 55.0 | 5376 | 5410 | 5534 | 5759 | 6134 | 6727 | 6134 | 5759 | 5534 | 5410 | 5376 | 5455 | 5690 | |
| G 60.0 | 4345 | 4350 | 4480 | 4721 | 5119 | 5745 | 5119 | 4721 | 4480 | 4350 | 4345 | 4460 | 4678 | |
| G 65.0 | 3555 | 3555 | 3600 | 3802 | 4167 | 4723 | 4167 | 3802 | 3600 | 3555 | 3555 | 3600 | 3796 | |
| G 70.0 | 2644 | 2640 | 2688 | 2839 | 3110 | 3534 | 3110 | 2839 | 2688 | 2640 | 2644 | 2698 | 2843 | |
| G 75.0 | 1818 | 1817 | 1860 | 1973 | 2166 | 2466 | 2166 | 1973 | 1860 | 1817 | 1818 | 1860 | 1966 | |
| G 80.0 | 1096 | 1099 | 1131 | 1199 | 1318 | 1516 | 1318 | 1199 | 1131 | 1099 | 1096 | 1121 | 1188 | |
| G 85.0 | 490 | 498 | 519 | 552 | 608 | 699 | 608 | 552 | 519 | 498 | 490 | 499 | 524 | |
| G 90.0 | 77 | 84 | 86 | 100 | 113 | 118 | 113 | 100 | 86 | 84 | 77 | 65 | 75 | |

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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 814 lm | Luminaire Power | 8.2 W | Efficacy | 98.612 lm/W | Efficiency | 67.57% |
| Source Flux | 1204 lm | Maximum value | 397.90 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 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 | 89899 |
| G 5.0 | 77718 | 79123 | 77718 | 76615 | 75799 | 75312 | 75290 | 75761 | 76606 | 77646 |
| G 10.0 | 67717 | 69953 | 67717 | 66030 | 64878 | 64307 | 64297 | 64878 | 66087 | 67711 |
| G 15.0 | 59425 | 62143 | 59425 | 57463 | 56155 | 55440 | 55412 | 56080 | 57352 | 59239 |
| G 20.0 | 52431 | 55417 | 52431 | 50274 | 48883 | 48264 | 48240 | 48815 | 50182 | 52301 |
| G 25.0 | 46438 | 49569 | 46438 | 44264 | 42879 | 42154 | 42074 | 42677 | 44030 | 46185 |
| G 30.0 | 39928 | 42775 | 39928 | 38047 | 36866 | 36146 | 36049 | 36653 | 37889 | 39800 |
| G 35.0 | 32132 | 34346 | 32132 | 30815 | 29990 | 29253 | 29169 | 29778 | 30573 | 31936 |
| G 40.0 | 22764 | 23854 | 22764 | 22184 | 21704 | 21000 | 20927 | 21501 | 21899 | 22477 |
| G 45.0 | 13841 | 14222 | 13841 | 13886 | 13737 | 12814 | 12851 | 13809 | 13904 | 13787 |
| G 50.0 | 8470 | 9059 | 8470 | 8264 | 8110 | 7669 | 7736 | 8281 | 8458 | 8605 |
| G 55.0 | 6095 | 6715 | 6095 | 5690 | 5455 | 5376 | 5410 | 5534 | 5759 | 6134 |
| G 60.0 | 5061 | 5683 | 5061 | 4678 | 4460 | 4345 | 4350 | 4480 | 4721 | 5119 |
| G 65.0 | 4152 | 4698 | 4152 | 3796 | 3600 | 3555 | 3555 | 3600 | 3802 | 4167 |
| G 70.0 | 3108 | 3534 | 3108 | 2843 | 2698 | 2644 | 2640 | 2688 | 2839 | 3110 |
| G 75.0 | 2153 | 2453 | 2153 | 1966 | 1860 | 1818 | 1817 | 1860 | 1973 | 2166 |
| G 80.0 | 1303 | 1489 | 1303 | 1188 | 1121 | 1096 | 1099 | 1131 | 1199 | 1318 |
| G 85.0 | 565 | 629 | 565 | 524 | 499 | 490 | 498 | 519 | 552 | 608 |
| G 90.0 | 89 | 103 | 89 | 75 | 65 | 77 | 84 | 86 | 100 | 113 |