

Luminaire

Code 90702L002

Name ELI 50 SPOT /E 2 PB 940 50° HO

Measurem.

Code 1/6/2022

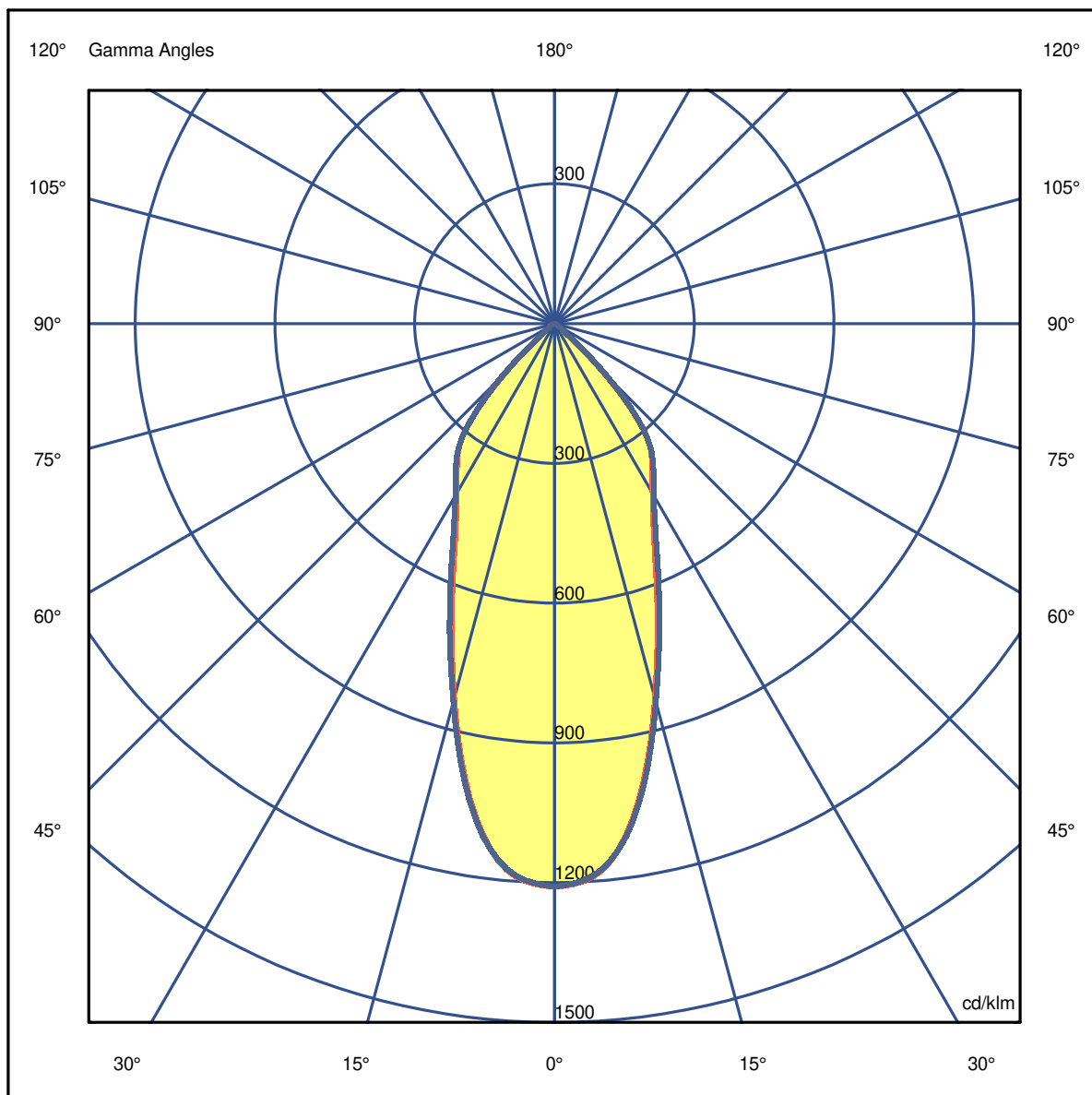
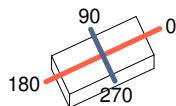
Name ELI 50 SPOT /E 2 PB 940 50° HO

| | | | | | | | |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2298 lm | Luminaire Power | 17.4 W | Efficacy | 131.714 lm/W | Efficiency | 95.45% |
| Source Flux | 2408 lm | Maximum value | 1208.70 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

50mm x 110mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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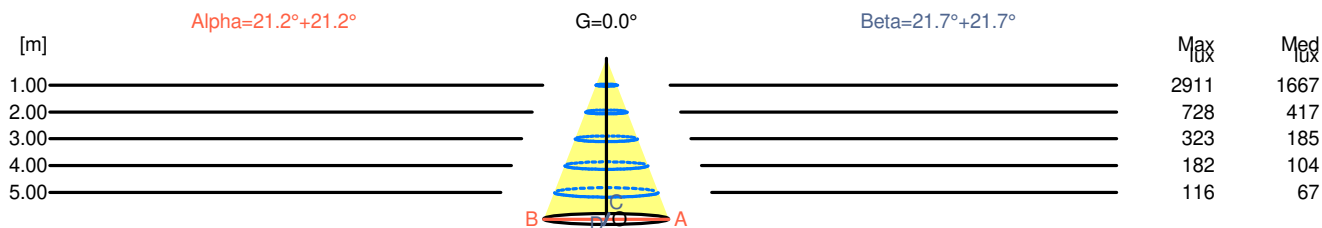
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|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2298 lm | Luminaire Power | 17.4 W | Efficacy | 131.714 lm/W | Efficiency | 95.45% |
| Source Flux | 2408 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 | 2910.55 | 2833.98 | 2004.42 | 1214.60 | 878.68 | 366.98 | 34.43 | 13.00 | 2.65 | 1.44 |
| OB | 2910.55 | 2833.98 | 2004.42 | 1214.60 | 878.68 | 366.98 | 34.43 | 13.00 | 2.65 | 1.44 |
| OC | 2910.55 | 2828.92 | 2024.65 | 1242.53 | 889.27 | 380.22 | 33.23 | 12.52 | 2.89 | 1.44 |
| OD | 2910.55 | 2828.92 | 2024.65 | 1242.53 | 889.27 | 380.22 | 33.23 | 12.52 | 2.89 | 1.44 |



| H[m] | D[m] | Max lux | Med lux | Alpha=21.2°+21.2° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.78 | 2911 | 1667 | | |
| 2.00 | 1.55 | 728 | 417 | | |
| 3.00 | 2.33 | 323 | 185 | | |
| 4.00 | 3.11 | 182 | 104 | | |
| 5.00 | 3.89 | 116 | 67 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=21.7°+21.7° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.80 | 2911 | 1667 | | |
| 2.00 | 1.59 | 728 | 417 | | |
| 3.00 | 2.39 | 323 | 185 | | |
| 4.00 | 3.19 | 182 | 104 | | |
| 5.00 | 3.99 | 116 | 67 | | |

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|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2298 lm | Luminaire Power | 17.4 W | Efficacy | 131.714 lm/W | Efficiency | 95.45% |
| Source Flux | 2408 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 | | | | | | | | | | |
| Room Dimensions | Lateral View | | | | | Viewed Endwise | | | | |
| x=2H y=2H | 21.9 | 22.7 | 22.1 | 22.9 | 23.1 | 21.3 | 22.1 | 21.5 | 22.2 | 22.5 |
| x=2H y=3H | 21.8 | 22.5 | 22.0 | 22.7 | 22.9 | 21.1 | 21.8 | 21.4 | 22.1 | 22.3 |
| x=2H y=4H | 21.7 | 22.3 | 22.0 | 22.6 | 22.9 | 21.1 | 21.7 | 21.4 | 22.0 | 22.2 |
| x=2H y=6H | 21.6 | 22.2 | 21.9 | 22.5 | 22.8 | 21.0 | 21.6 | 21.3 | 21.9 | 22.2 |
| x=2H y=8H | 21.6 | 22.2 | 21.9 | 22.4 | 22.8 | 21.0 | 21.6 | 21.3 | 21.8 | 22.1 |
| x=2H y=12H | 21.5 | 22.1 | 21.9 | 22.4 | 22.7 | 20.9 | 21.5 | 21.3 | 21.8 | 22.1 |
| x=4H y=2H | 21.7 | 22.3 | 22.0 | 22.6 | 22.9 | 21.1 | 21.7 | 21.4 | 22.0 | 22.3 |
| x=4H y=3H | 21.6 | 22.1 | 21.9 | 22.4 | 22.7 | 20.9 | 21.5 | 21.3 | 21.8 | 22.1 |
| x=4H y=4H | 21.5 | 21.9 | 21.9 | 22.3 | 22.6 | 20.9 | 21.3 | 21.2 | 21.7 | 22.0 |
| x=4H y=6H | 21.4 | 21.8 | 21.8 | 22.2 | 22.5 | 20.8 | 21.2 | 21.2 | 21.6 | 21.9 |
| x=4H y=8H | 21.4 | 21.7 | 21.8 | 22.1 | 22.5 | 20.7 | 21.1 | 21.2 | 21.5 | 21.9 |
| x=4H y=12H | 21.3 | 21.6 | 21.8 | 22.0 | 22.5 | 20.7 | 21.0 | 21.2 | 21.4 | 21.9 |
| x=8H y=4H | 21.4 | 21.7 | 21.8 | 22.1 | 22.5 | 20.7 | 21.1 | 21.2 | 21.5 | 21.9 |
| x=8H y=6H | 21.3 | 21.6 | 21.7 | 22.0 | 22.4 | 20.7 | 20.9 | 21.1 | 21.4 | 21.8 |
| x=8H y=8H | 21.2 | 21.5 | 21.7 | 21.9 | 22.4 | 20.6 | 20.9 | 21.1 | 21.3 | 21.8 |
| x=8H y=12H | 21.2 | 21.4 | 21.7 | 21.8 | 22.3 | 20.6 | 20.8 | 21.1 | 21.2 | 21.7 |
| x=12H y=4H | 21.3 | 21.6 | 21.8 | 22.0 | 22.5 | 20.7 | 21.0 | 21.2 | 21.4 | 21.9 |
| x=12H y=6H | 21.2 | 21.5 | 21.7 | 21.9 | 22.4 | 20.6 | 20.9 | 21.1 | 21.3 | 21.8 |
| x=12H y=8H | 21.2 | 21.4 | 21.7 | 21.8 | 22.3 | 20.6 | 20.8 | 21.1 | 21.2 | 21.7 |

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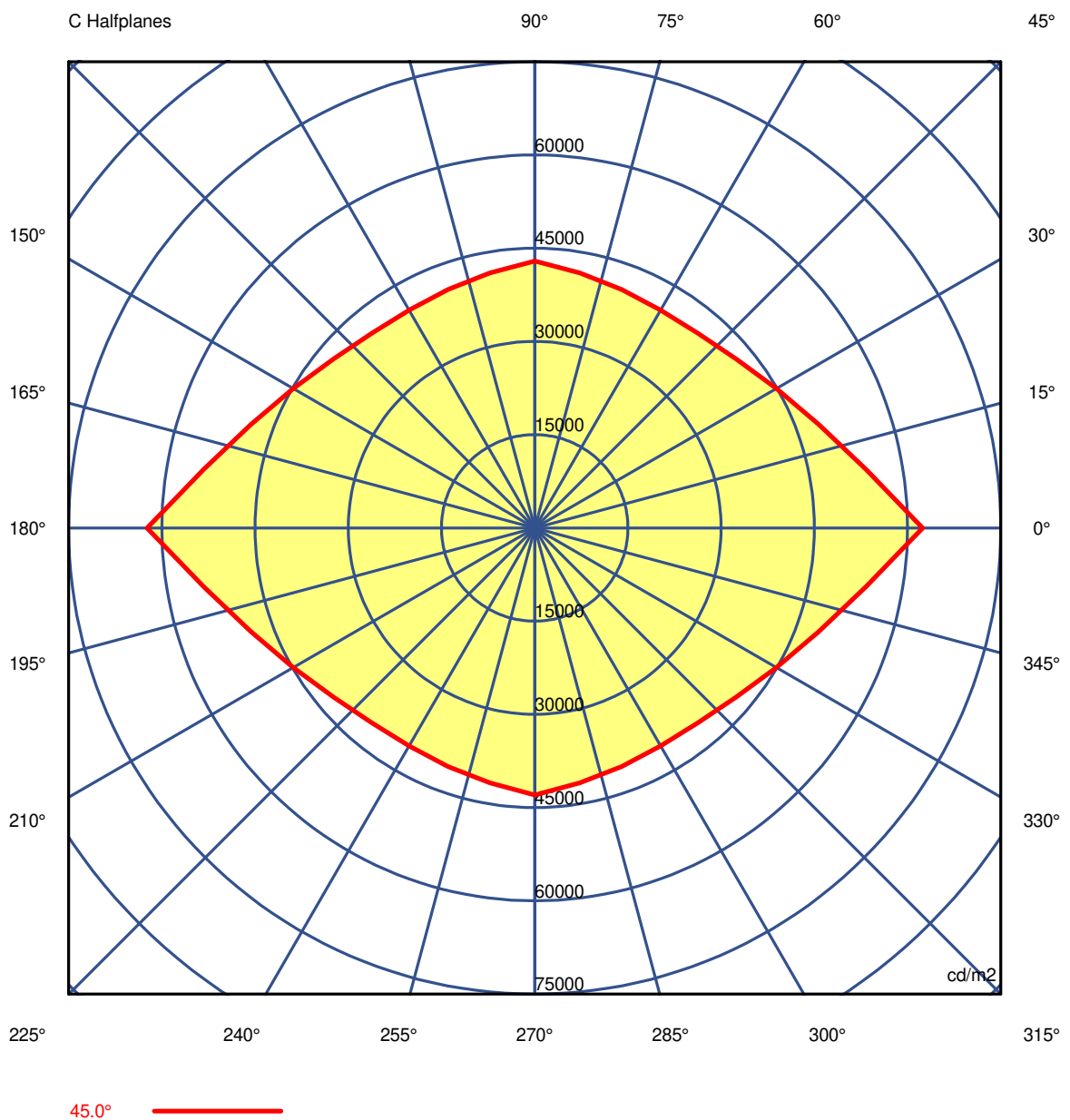
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|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 2298 lm | Luminaire Power | 17.4 W | Efficacy | 131.714 lm/W | Efficiency | 95.45% |
| Source Flux | 2408 lm | Maximum value | 1208.70 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 | 2298 lm | | Luminaire Power | | 17.4 W | | Efficacy | | 131.714 lm/W | | Efficiency | | 95.45% | |
|---------------------------|---------|---------|-----------------|---------|----------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 2408 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 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | |
| G 5.0 | 535055 | 524491 | 516031 | 509059 | 502362 | 497222 | 494732 | 494913 | 496654 | 499574 | 496654 | 494913 | 494732 | |
| G 10.0 | 453230 | 436408 | 423756 | 413781 | 403936 | 396784 | 393778 | 394142 | 397062 | 402333 | 397062 | 394142 | 393778 | |
| G 15.0 | 351089 | 332544 | 318329 | 308210 | 299899 | 293697 | 290458 | 290669 | 293266 | 297909 | 293266 | 290669 | 290458 | |
| G 20.0 | 265001 | 247229 | 233749 | 224344 | 217729 | 213090 | 210748 | 211469 | 213891 | 217655 | 213891 | 211469 | 210748 | |
| G 25.0 | 204194 | 187679 | 175455 | 166912 | 160656 | 156557 | 154612 | 154711 | 156770 | 160882 | 156770 | 154711 | 154612 | |
| G 30.0 | 168633 | 152610 | 141042 | 132887 | 127159 | 123403 | 121472 | 121376 | 123072 | 126639 | 123072 | 121376 | 121472 | |
| G 35.0 | 146286 | 130896 | 119545 | 111322 | 105857 | 102600 | 100996 | 100709 | 102172 | 105670 | 102172 | 100709 | 100996 | |
| G 40.0 | 119649 | 105224 | 95191 | 88182 | 83202 | 80086 | 78611 | 78433 | 79667 | 82407 | 79667 | 78433 | 78611 | |
| G 45.0 | 62386 | 54161 | 48648 | 44915 | 42301 | 40861 | 40496 | 40852 | 41649 | 42952 | 41649 | 40852 | 40496 | |
| G 50.0 | 12808 | 11187 | 9949 | 8982 | 8351 | 8012 | 7889 | 7897 | 7940 | 8026 | 7940 | 7897 | 7889 | |
| G 55.0 | 6172 | 5403 | 4934 | 4592 | 4249 | 4025 | 3885 | 3692 | 3601 | 3684 | 3601 | 3692 | 3885 | |
| G 60.0 | 4130 | 3577 | 3268 | 3074 | 2877 | 2669 | 2469 | 2307 | 2221 | 2220 | 2221 | 2307 | 2469 | |
| G 65.0 | 2546 | 2129 | 1895 | 1754 | 1633 | 1512 | 1420 | 1399 | 1401 | 1405 | 1401 | 1399 | 1420 | |
| G 70.0 | 1301 | 1046 | 901 | 821 | 755 | 715 | 695 | 675 | 681 | 715 | 681 | 675 | 695 | |
| G 75.0 | 591 | 541 | 446 | 345 | 316 | 298 | 289 | 288 | 301 | 339 | 301 | 288 | 289 | |
| G 80.0 | 527 | 405 | 336 | 294 | 226 | 196 | 190 | 172 | 166 | 175 | 166 | 172 | 190 | |
| G 85.0 | 389 | 291 | 238 | 206 | 187 | 175 | 169 | 169 | 173 | 183 | 173 | 169 | 169 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| Luminaire Flux | | 2298 lm | | Luminaire Power | | 17.4 W | | Efficacy | | 131.714 lm/W | | Efficiency | | 95.45% | | | | | | | | | | | | |
|-----------------|--------|----------|--------|-----------------|--------|----------------|--------|----------|--------|---------------|--------|------------|--------|--------------------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|
| Source Flux | | 2408 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 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | |
| G 5.0 | 497222 | 502362 | 509059 | 516031 | 524491 | 535055 | 524491 | 516031 | 509059 | 502362 | 497222 | 494732 | 494913 | 497222 | 502362 | 509059 | 516031 | 524491 | 535055 | 524491 | 516031 | 509059 | 502362 | 497222 | 494732 | 494913 |
| G 10.0 | 396784 | 403936 | 413781 | 423756 | 436408 | 453230 | 436408 | 423756 | 413781 | 403936 | 396784 | 393778 | 394142 | 403936 | 413781 | 423756 | 436408 | 453230 | 436408 | 423756 | 413781 | 403936 | 396784 | 393778 | 394142 | 394913 |
| G 15.0 | 293697 | 299899 | 308210 | 318329 | 332544 | 351089 | 332544 | 318329 | 308210 | 299899 | 293697 | 290458 | 290669 | 299899 | 308210 | 318329 | 332544 | 351089 | 332544 | 318329 | 308210 | 299899 | 293697 | 290458 | 290669 | 294913 |
| G 20.0 | 213090 | 217729 | 224344 | 233749 | 247229 | 265001 | 247229 | 233749 | 224344 | 217729 | 213090 | 210748 | 211469 | 217729 | 224344 | 233749 | 247229 | 265001 | 247229 | 233749 | 224344 | 217729 | 213090 | 210748 | 211469 | 214699 |
| G 25.0 | 156557 | 160656 | 166912 | 175455 | 187679 | 204194 | 187679 | 175455 | 166912 | 160656 | 156557 | 154612 | 154711 | 160656 | 166912 | 175455 | 187679 | 204194 | 187679 | 175455 | 166912 | 160656 | 156557 | 154612 | 154711 | 157411 |
| G 30.0 | 123403 | 127159 | 132887 | 141042 | 152610 | 168633 | 152610 | 141042 | 132887 | 127159 | 123403 | 121472 | 121376 | 132887 | 141042 | 152610 | 168633 | 152610 | 141042 | 132887 | 127159 | 123403 | 121472 | 121376 | 124729 | 127476 |
| G 35.0 | 102600 | 105857 | 111322 | 119545 | 130896 | 146286 | 130896 | 119545 | 111322 | 105857 | 102600 | 100996 | 100709 | 111322 | 119545 | 130896 | 146286 | 130896 | 119545 | 111322 | 105857 | 102600 | 100996 | 100709 | 103996 | 107099 |
| G 40.0 | 80086 | 83202 | 88182 | 95191 | 105224 | 119649 | 105224 | 95191 | 88182 | 83202 | 80086 | 78611 | 78433 | 88182 | 95191 | 105224 | 119649 | 105224 | 95191 | 88182 | 83202 | 80086 | 78611 | 78433 | 80996 | 84333 |
| G 45.0 | 40861 | 42301 | 44915 | 48648 | 54161 | 62386 | 54161 | 48648 | 44915 | 42301 | 40861 | 40496 | 40852 | 44915 | 48648 | 54161 | 62386 | 54161 | 48648 | 44915 | 42301 | 40861 | 40496 | 40852 | 41852 | 45333 |
| G 50.0 | 8012 | 8351 | 8982 | 9949 | 11187 | 12808 | 11187 | 9949 | 8982 | 8351 | 8012 | 7889 | 7897 | 8982 | 9949 | 11187 | 12808 | 11187 | 9949 | 8982 | 8351 | 8012 | 7889 | 7897 | 80996 | 84333 |
| G 55.0 | 4025 | 4249 | 4592 | 4934 | 5403 | 6172 | 5403 | 4934 | 4592 | 4249 | 4025 | 3885 | 3692 | 4592 | 4934 | 5403 | 6172 | 5403 | 4934 | 4592 | 4249 | 4025 | 3885 | 3692 | 3992 | 43433 |
| G 60.0 | 2669 | 2877 | 3074 | 3268 | 3577 | 4130 | 3577 | 3268 | 3074 | 2877 | 2669 | 2469 | 2307 | 3074 | 3268 | 3577 | 4130 | 3577 | 3268 | 3074 | 2877 | 2669 | 2469 | 2307 | 2507 | 28533 |
| G 65.0 | 1512 | 1633 | 1754 | 1895 | 2129 | 2546 | 2129 | 1895 | 1754 | 1633 | 1512 | 1420 | 1399 | 1754 | 1895 | 2129 | 2546 | 2129 | 1895 | 1754 | 1633 | 1512 | 1420 | 1399 | 1499 | 18433 |
| G 70.0 | 715 | 755 | 821 | 901 | 1046 | 1301 | 1046 | 901 | 821 | 755 | 715 | 695 | 675 | 821 | 901 | 1046 | 1301 | 1046 | 901 | 821 | 755 | 715 | 695 | 675 | 725 | 10733 |
| G 75.0 | 298 | 316 | 345 | 446 | 541 | 591 | 541 | 446 | 345 | 316 | 298 | 289 | 288 | 345 | 446 | 541 | 591 | 541 | 446 | 345 | 316 | 298 | 289 | 288 | 299 | 33433 |
| G 80.0 | 196 | 226 | 294 | 336 | 405 | 527 | 405 | 336 | 294 | 226 | 196 | 190 | 172 | 294 | 336 | 405 | 527 | 405 | 336 | 294 | 226 | 196 | 190 | 172 | 182 | 21733 |
| G 85.0 | 175 | 187 | 206 | 238 | 291 | 389 | 291 | 238 | 206 | 187 | 175 | 169 | 169 | 206 | 238 | 291 | 389 | 291 | 238 | 206 | 187 | 175 | 169 | 169 | 179 | 20433 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Luminaire Flux | 2298 lm | Luminaire Power | 17.4 W | Efficacy | 131.714 lm/W | Efficiency | 95.45% |
| Source Flux | 2408 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 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 | 578753 |
| G 5.0 | 496654 | 499574 | 496654 | 494913 | 494732 | 497222 | 502362 | 509059 | 516031 | 524491 |
| G 10.0 | 397062 | 402333 | 397062 | 394142 | 393778 | 396784 | 403936 | 413781 | 423756 | 436408 |
| G 15.0 | 293266 | 297909 | 293266 | 290669 | 290458 | 293697 | 299899 | 308210 | 318329 | 332544 |
| G 20.0 | 213891 | 217655 | 213891 | 211469 | 210748 | 213090 | 217729 | 224344 | 233749 | 247229 |
| G 25.0 | 156770 | 160882 | 156770 | 154711 | 154612 | 156557 | 160656 | 166912 | 175455 | 187679 |
| G 30.0 | 123072 | 126639 | 123072 | 121376 | 121472 | 123403 | 127159 | 132887 | 141042 | 152610 |
| G 35.0 | 102172 | 105670 | 102172 | 100709 | 100996 | 102600 | 105857 | 111322 | 119545 | 130896 |
| G 40.0 | 79667 | 82407 | 79667 | 78433 | 78611 | 80086 | 83202 | 88182 | 95191 | 105224 |
| G 45.0 | 41649 | 42952 | 41649 | 40852 | 40496 | 40861 | 42301 | 44915 | 48648 | 54161 |
| G 50.0 | 7940 | 8026 | 7940 | 7897 | 7889 | 8012 | 8351 | 8982 | 9949 | 11187 |
| G 55.0 | 3601 | 3684 | 3601 | 3692 | 3885 | 4025 | 4249 | 4592 | 4934 | 5403 |
| G 60.0 | 2221 | 2220 | 2221 | 2307 | 2469 | 2669 | 2877 | 3074 | 3268 | 3577 |
| G 65.0 | 1401 | 1405 | 1401 | 1399 | 1420 | 1512 | 1633 | 1754 | 1895 | 2129 |
| G 70.0 | 681 | 715 | 681 | 675 | 695 | 715 | 755 | 821 | 901 | 1046 |
| G 75.0 | 301 | 339 | 301 | 288 | 289 | 298 | 316 | 345 | 446 | 541 |
| G 80.0 | 166 | 175 | 166 | 172 | 190 | 196 | 226 | 294 | 336 | 405 |
| G 85.0 | 173 | 183 | 173 | 169 | 169 | 175 | 187 | 206 | 238 | 291 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |