

Luminaire

Code 90651L200

Name ELI /W D/I L200 PB 930 60° HO

Measurem.

Code 5/9/2023

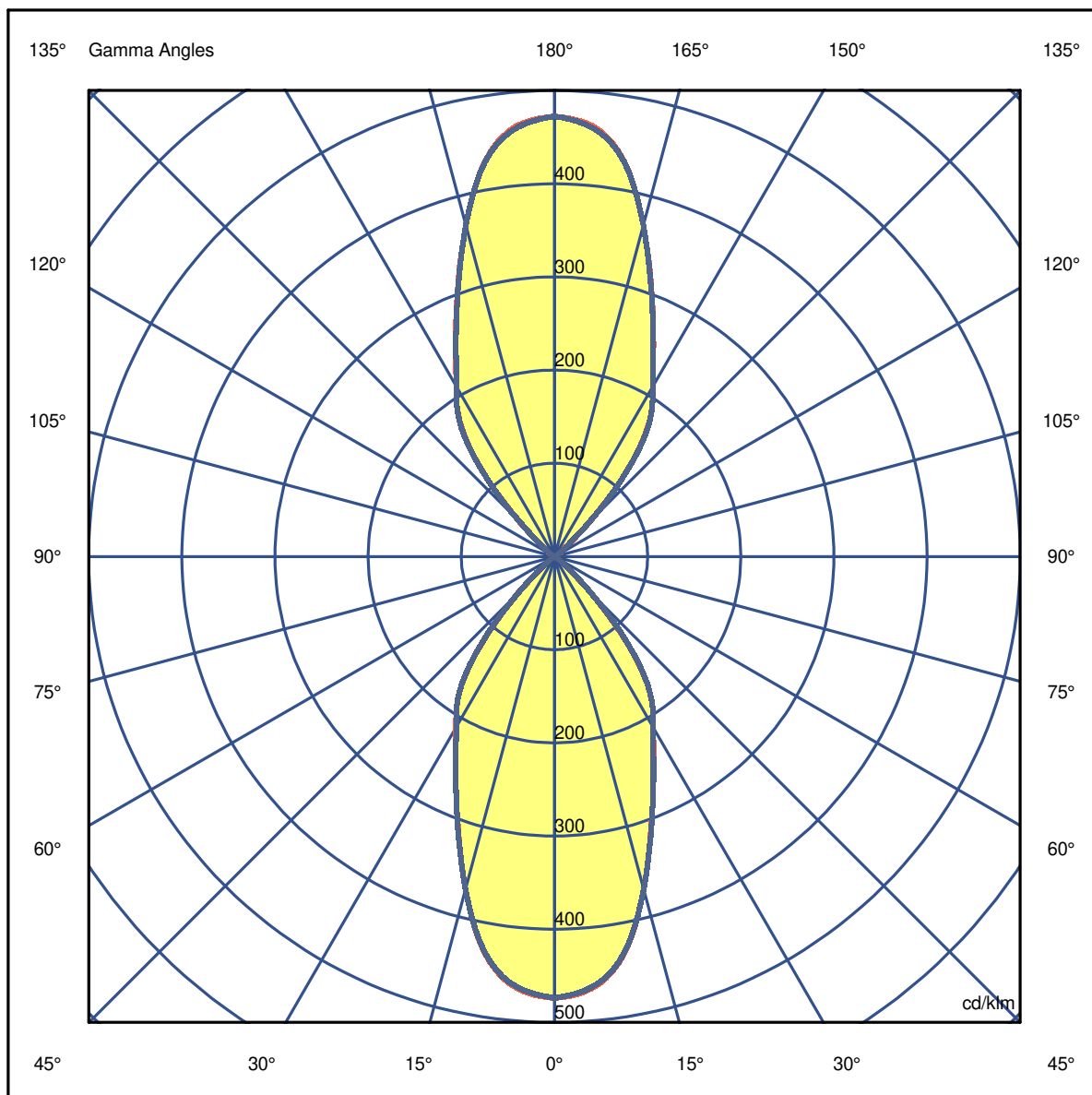
Name ELI /W D/I L200 PB 930 60° HO

| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1109 lm | Luminaire Power | 10.0 W | Efficacy | 110.574 lm/W | Efficiency | 84.92% |
| Source Flux | 1306 lm | Maximum value | 473.70 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=80mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



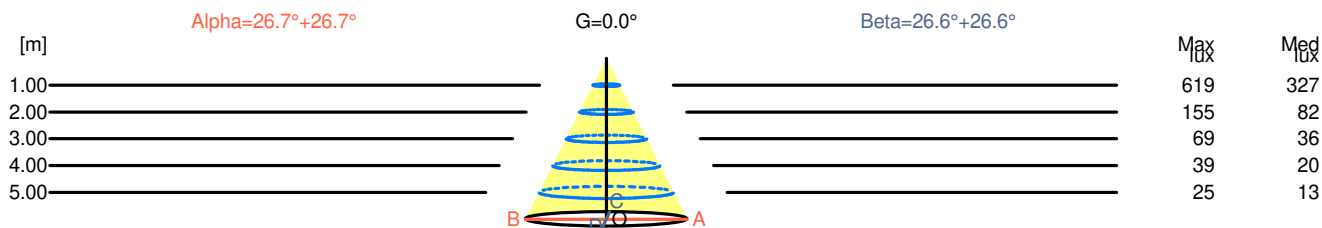
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
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| Source Flux | 1306 lm | Maximum value | 473.70 cd/klm | Position | C=0.00 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 | 0.50 | 1.00 | 1.51 | 2.01 | 2.51 | OC | 0.50 | 1.00 | 1.50 | 2.00 | 2.50 |
| OB | 0.50 | 1.00 | 1.51 | 2.01 | 2.51 | OD | 0.50 | 1.00 | 1.50 | 2.00 | 2.50 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|--------|--------|--------|--------|--------|-------|-------|------|------|------|
| OA | 618.65 | 607.16 | 482.57 | 328.59 | 233.38 | 72.87 | 10.06 | 0.00 | 0.00 | 0.00 |
| OB | 618.65 | 607.16 | 482.57 | 328.59 | 233.38 | 72.87 | 10.06 | 0.00 | 0.00 | 0.00 |
| OC | 618.65 | 605.33 | 482.44 | 327.81 | 233.25 | 72.22 | 8.49 | 0.26 | 0.13 | 0.13 |
| OD | 618.65 | 605.33 | 482.44 | 327.81 | 233.25 | 72.22 | 8.49 | 0.26 | 0.13 | 0.13 |



| H[m] | D[m] | Max lux | Med lux | Alpha=26.7°+26.7° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.00 | 619 | 327 | | |
| 2.00 | 2.01 | 155 | 82 | | |
| 3.00 | 3.01 | 69 | 36 | | |
| 4.00 | 4.02 | 39 | 20 | | |
| 5.00 | 5.02 | 25 | 13 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=26.6°+26.6° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.00 | 619 | 327 | | |
| 2.00 | 2.00 | 155 | 82 | | |
| 3.00 | 3.00 | 69 | 36 | | |
| 4.00 | 4.00 | 39 | 20 | | |
| 5.00 | 5.00 | 25 | 13 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1109 lm | Luminaire Power | 10.0 W | Efficacy | 110.574 lm/W | Efficiency | 84.92% |
| Source Flux | 1306 lm | Maximum value | 473.70 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 | x=2H | y=3H | x=2H | y=4H | x=2H | y=6H | x=2H | y=8H |
| x=2H y=2H | 15.7 | 16.3 | 16.6 | 17.2 | 18.3 | 15.7 | 16.3 | 16.6 | 17.2 | 18.2 |
| x=2H y=3H | 15.5 | 16.0 | 16.4 | 16.9 | 18.0 | 15.5 | 16.0 | 16.4 | 16.9 | 18.0 |
| x=2H y=4H | 15.3 | 15.8 | 16.2 | 16.7 | 17.8 | 15.3 | 15.8 | 16.2 | 16.7 | 17.8 |
| x=2H y=6H | 15.2 | 15.6 | 16.1 | 16.5 | 17.7 | 15.2 | 15.6 | 16.1 | 16.5 | 17.7 |
| x=2H y=8H | 15.1 | 15.5 | 16.1 | 16.5 | 17.6 | 15.1 | 15.5 | 16.1 | 16.5 | 17.6 |
| x=2H y=12H | 15.0 | 15.4 | 16.0 | 16.4 | 17.6 | 15.0 | 15.4 | 16.0 | 16.4 | 17.6 |
| x=4H y=2H | 15.3 | 15.8 | 16.3 | 16.7 | 17.9 | 15.3 | 15.8 | 16.2 | 16.7 | 17.8 |
| x=4H y=3H | 15.0 | 15.5 | 16.0 | 16.4 | 17.6 | 15.0 | 15.4 | 16.0 | 16.4 | 17.6 |
| x=4H y=4H | 14.9 | 15.2 | 15.9 | 16.2 | 17.4 | 14.9 | 15.2 | 15.9 | 16.2 | 17.4 |
| x=4H y=6H | 14.7 | 15.0 | 15.7 | 16.0 | 17.3 | 14.7 | 15.0 | 15.7 | 16.0 | 17.2 |
| x=4H y=8H | 14.7 | 14.9 | 15.7 | 15.9 | 17.2 | 14.6 | 14.9 | 15.6 | 15.9 | 17.2 |
| x=4H y=12H | 14.6 | 14.8 | 15.6 | 15.8 | 17.1 | 14.6 | 14.8 | 15.6 | 15.8 | 17.1 |
| x=8H y=4H | 14.7 | 14.9 | 15.7 | 15.9 | 17.2 | 14.6 | 14.9 | 15.6 | 15.9 | 17.2 |
| x=8H y=6H | 14.5 | 14.7 | 15.5 | 15.7 | 17.0 | 14.5 | 14.7 | 15.5 | 15.7 | 17.0 |
| x=8H y=8H | 14.4 | 14.6 | 15.4 | 15.6 | 16.9 | 14.4 | 14.6 | 15.4 | 15.6 | 16.9 |
| x=8H y=12H | 14.3 | 14.5 | 15.4 | 15.5 | 16.9 | 14.3 | 14.5 | 15.4 | 15.5 | 16.9 |
| x=12H y=4H | 14.6 | 14.8 | 15.6 | 15.8 | 17.1 | 14.6 | 14.8 | 15.6 | 15.8 | 17.1 |
| x=12H y=6H | 14.4 | 14.6 | 15.4 | 15.6 | 16.9 | 14.4 | 14.6 | 15.4 | 15.6 | 16.9 |
| x=12H y=8H | 14.3 | 14.5 | 15.4 | 15.5 | 16.9 | 14.3 | 14.5 | 15.4 | 15.5 | 16.8 |

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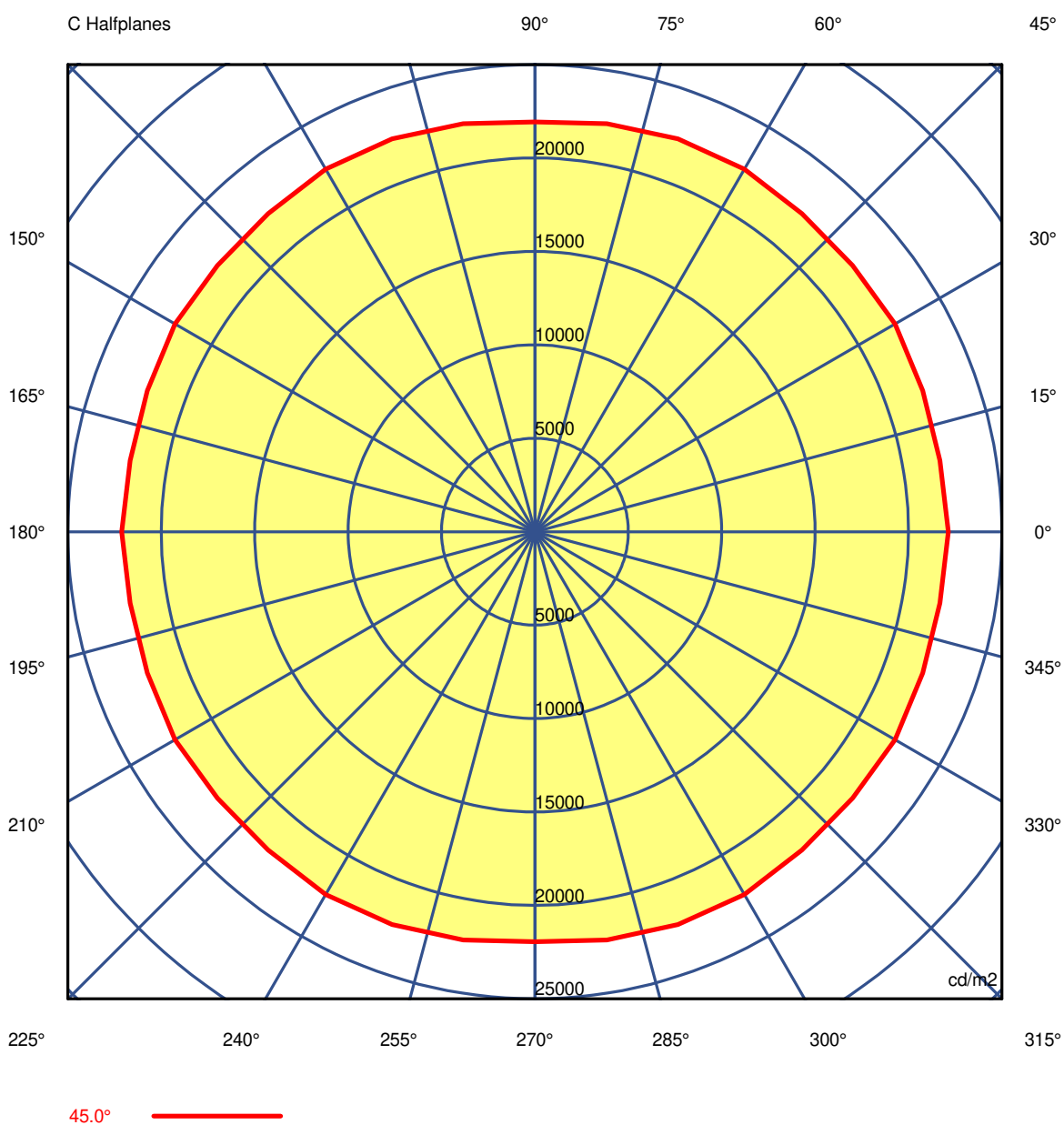
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 1109 lm | Luminaire Power | 10.0 W | Efficacy | 110.574 lm/W | Efficiency | 84.92% |
| Source Flux | 1306 lm | Maximum value | 473.70 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

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Measurement

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Name ELI /W D/I L200 PB 930 60° HO

| Luminaire Flux | 1109 lm | | Luminaire Power | | 10.0 W | | Efficacy | | 110.574 lm/W | | Efficiency | | 84.92% | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 1306 lm | | Maximum value | | 473.70 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 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | |
| G 5.0 | 130884 | 130884 | 130884 | 130828 | 130659 | 130517 | 130503 | 130574 | 130590 | 130551 | 130490 | 130551 | 130590 | |
| G 10.0 | 122971 | 123103 | 123155 | 123199 | 123339 | 123339 | 123239 | 122914 | 122751 | 122771 | 122886 | 122771 | 122751 | |
| G 15.0 | 107286 | 107690 | 107755 | 107605 | 107650 | 107611 | 107489 | 107580 | 107545 | 107257 | 107545 | 107580 | 107489 | |
| G 20.0 | 90792 | 91187 | 91406 | 91359 | 91135 | 91153 | 91329 | 91179 | 90981 | 90911 | 90981 | 91179 | 91329 | |
| G 25.0 | 77859 | 77967 | 78140 | 78199 | 77915 | 77838 | 77921 | 77934 | 77827 | 77673 | 77827 | 77934 | 77921 | |
| G 30.0 | 68494 | 68664 | 68649 | 68461 | 68305 | 68364 | 68559 | 68617 | 68540 | 68397 | 68540 | 68617 | 68559 | |
| G 35.0 | 61183 | 61115 | 60829 | 60396 | 60592 | 60675 | 60567 | 60920 | 61126 | 61149 | 61126 | 60920 | 60567 | |
| G 40.0 | 44776 | 44890 | 44822 | 44703 | 44801 | 44729 | 44556 | 44757 | 44898 | 44922 | 44898 | 44757 | 44556 | |
| G 45.0 | 22132 | 22006 | 22089 | 22251 | 22188 | 22232 | 22410 | 22376 | 22183 | 21934 | 22183 | 22376 | 22410 | |
| G 50.0 | 6327 | 6501 | 6667 | 6588 | 6078 | 6014 | 6370 | 6269 | 6138 | 6108 | 6138 | 6269 | 6370 | |
| G 55.0 | 3765 | 3874 | 3926 | 3765 | 3305 | 3146 | 3178 | 3146 | 3128 | 3178 | 3128 | 3146 | 3178 | |
| G 60.0 | 337 | 337 | 354 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | |
| G 65.0 | 0 | 0 | 43 | 133 | 133 | 154 | 199 | 159 | 133 | 133 | 133 | 159 | 199 | |
| G 70.0 | 0 | 0 | 51 | 164 | 164 | 164 | 164 | 164 | 144 | 82 | 144 | 164 | 164 | |
| G 75.0 | 0 | 0 | 34 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | |
| G 80.0 | 0 | 0 | 51 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | |
| G 85.0 | 0 | 0 | 101 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| Luminaire Flux | 1109 lm | | Luminaire Power | | 10.0 W | | Efficacy | | 110.574 lm/W | | Efficiency | | 84.92% | |
| Source Flux | 1306 lm | | Maximum value | | 473.70 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 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | |
| G 5.0 | 130503 | 130517 | 130659 | 130828 | 130884 | 130884 | 130884 | 130828 | 130659 | 130517 | 130503 | 130574 | 130590 | |
| G 10.0 | 123239 | 123339 | 123199 | 123155 | 123103 | 122971 | 123103 | 123155 | 123199 | 123339 | 123239 | 122914 | 122751 | |
| G 15.0 | 107611 | 107650 | 107605 | 107755 | 107690 | 107286 | 107690 | 107755 | 107605 | 107650 | 107611 | 107489 | 107580 | |
| G 20.0 | 91153 | 91135 | 91359 | 91406 | 91187 | 90792 | 91187 | 91406 | 91359 | 91135 | 91153 | 91329 | 91179 | |
| G 25.0 | 77838 | 77915 | 78199 | 78140 | 77967 | 77859 | 77967 | 78140 | 78199 | 77915 | 77838 | 77921 | 77934 | |
| G 30.0 | 68364 | 68305 | 68461 | 68649 | 68664 | 68494 | 68664 | 68649 | 68461 | 68305 | 68364 | 68559 | 68617 | |
| G 35.0 | 60675 | 60592 | 60396 | 60829 | 61115 | 61183 | 61115 | 60829 | 60396 | 60592 | 60675 | 60567 | 60920 | |
| G 40.0 | 44729 | 44801 | 44703 | 44822 | 44890 | 44776 | 44890 | 44822 | 44703 | 44801 | 44729 | 44556 | 44757 | |
| G 45.0 | 22232 | 22188 | 22251 | 22089 | 22006 | 22132 | 22006 | 22089 | 22251 | 22188 | 22232 | 22410 | 22376 | |
| G 50.0 | 6014 | 6078 | 6588 | 6667 | 6501 | 6327 | 6501 | 6667 | 6588 | 6078 | 6014 | 6370 | 6269 | |
| G 55.0 | 3146 | 3305 | 3765 | 3926 | 3874 | 3765 | 3874 | 3926 | 3765 | 3305 | 3146 | 3178 | 3146 | |
| G 60.0 | 393 | 393 | 393 | 354 | 337 | 337 | 337 | 354 | 393 | 393 | 393 | 393 | 393 | |
| G 65.0 | 154 | 133 | 133 | 43 | 0 | 0 | 0 | 43 | 133 | 133 | 154 | 199 | 159 | |
| G 70.0 | 164 | 164 | 164 | 51 | 0 | 0 | 0 | 51 | 164 | 164 | 164 | 164 | 164 | |
| G 75.0 | 108 | 108 | 108 | 34 | 0 | 0 | 0 | 34 | 108 | 108 | 108 | 108 | 108 | |
| G 80.0 | 162 | 162 | 162 | 51 | 0 | 0 | 0 | 51 | 162 | 162 | 162 | 162 | 162 | |
| G 85.0 | 322 | 322 | 322 | 101 | 0 | 0 | 0 | 101 | 322 | 322 | 322 | 322 | 322 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| Luminaire Flux | 1109 lm | Luminaire Power | 10.0 W | Efficacy | 110.574 lm/W | Efficiency | 84.92% |
| Source Flux | 1306 lm | Maximum value | 473.70 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 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 | 132854 |
| G 5.0 | 130551 | 130490 | 130551 | 130590 | 130574 | 130503 | 130517 | 130659 | 130828 | 130884 |
| G 10.0 | 122771 | 122886 | 122771 | 122751 | 122914 | 123239 | 123339 | 123199 | 123155 | 123103 |
| G 15.0 | 107545 | 107257 | 107545 | 107580 | 107489 | 107611 | 107650 | 107605 | 107755 | 107690 |
| G 20.0 | 90981 | 90911 | 90981 | 91179 | 91329 | 91153 | 91135 | 91359 | 91406 | 91187 |
| G 25.0 | 77827 | 77673 | 77827 | 77934 | 77921 | 77838 | 77915 | 78199 | 78140 | 77967 |
| G 30.0 | 68540 | 68397 | 68540 | 68617 | 68559 | 68364 | 68305 | 68461 | 68649 | 68664 |
| G 35.0 | 61126 | 61149 | 61126 | 60920 | 60567 | 60675 | 60592 | 60396 | 60829 | 61115 |
| G 40.0 | 44898 | 44922 | 44898 | 44757 | 44556 | 44729 | 44801 | 44703 | 44822 | 44890 |
| G 45.0 | 22183 | 21934 | 22183 | 22376 | 22410 | 22232 | 22188 | 22251 | 22089 | 22006 |
| G 50.0 | 6138 | 6108 | 6138 | 6269 | 6370 | 6014 | 6078 | 6588 | 6667 | 6501 |
| G 55.0 | 3128 | 3178 | 3128 | 3146 | 3178 | 3146 | 3305 | 3765 | 3926 | 3874 |
| G 60.0 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 354 | 337 |
| G 65.0 | 133 | 133 | 133 | 159 | 199 | 154 | 133 | 133 | 43 | 0 |
| G 70.0 | 144 | 82 | 144 | 164 | 164 | 164 | 164 | 164 | 51 | 0 |
| G 75.0 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 34 | 0 |
| G 80.0 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 51 | 0 |
| G 85.0 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 101 | 0 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |