

Luminaire

Code 90575L015
Name VEGA IP /E D100 LIGHT+ 940 HO

Measurem.

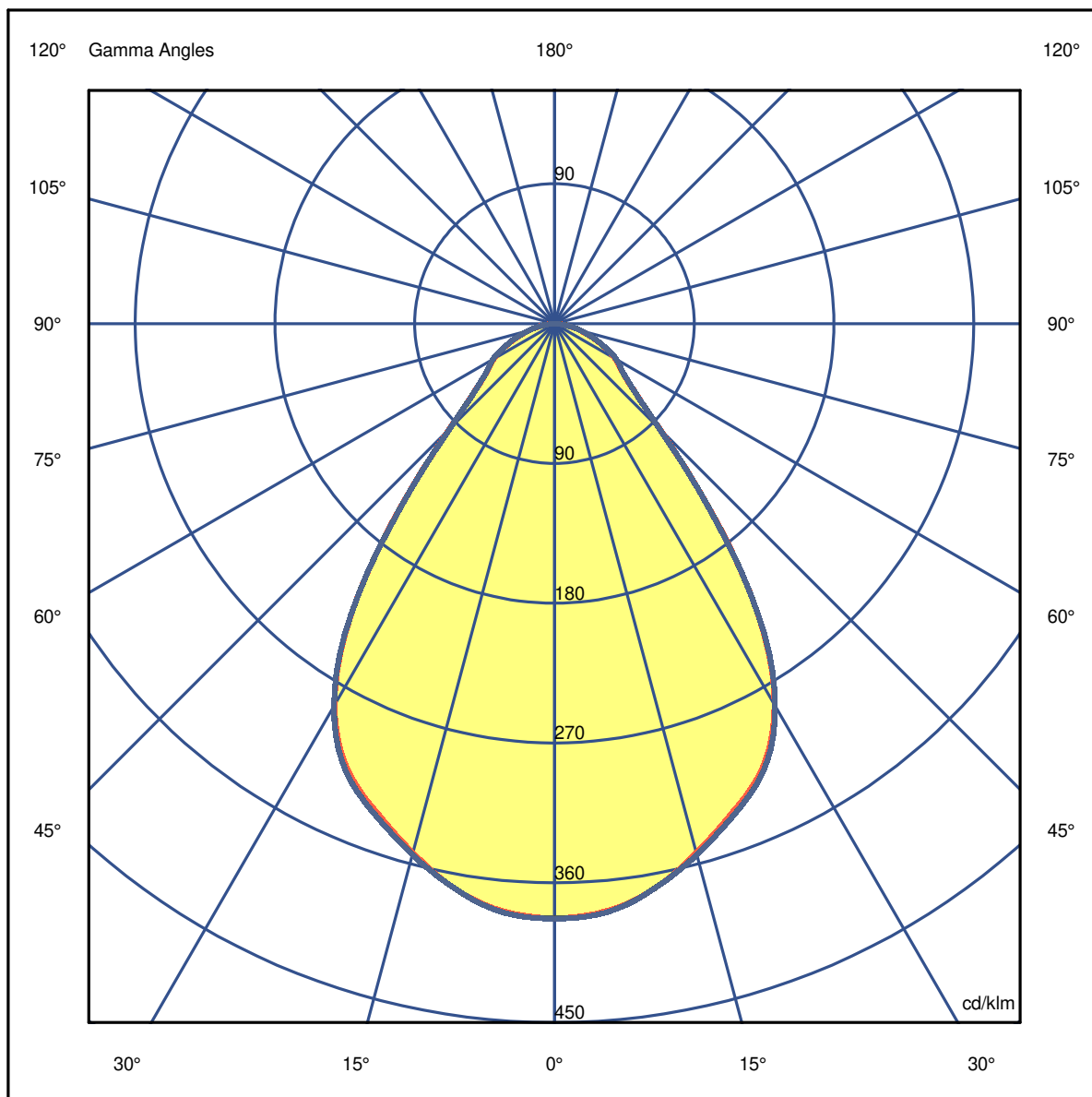
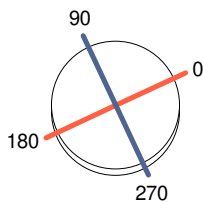
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| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1074 lm | Luminaire Power | 11.8 W | Efficacy | 91.357 lm/W | Efficiency | 60.60% |
| Source Flux | 1773 lm | Maximum value | 383.00 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=100mm

C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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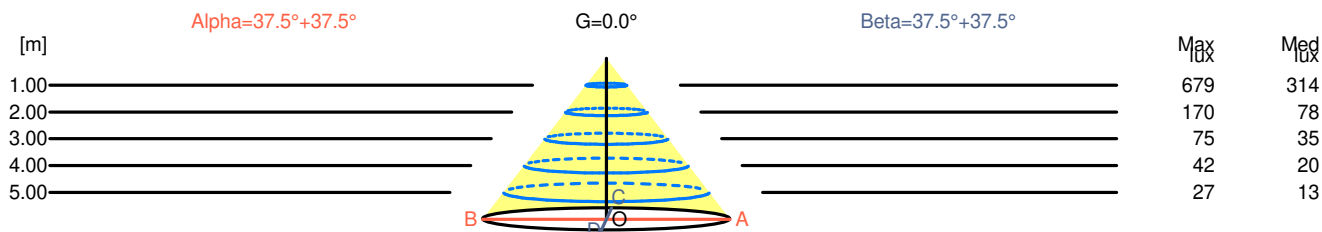
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
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| Source Flux | 1773 lm | Maximum value | 383.00 cd/klm | Position | C=0.00 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 | 0.77 | 1.54 | 2.31 | 3.07 | 3.84 | OC | 0.77 | 1.54 | 2.30 | 3.07 | 3.84 |
| OB | 0.77 | 1.54 | 2.31 | 3.07 | 3.84 | OD | 0.77 | 1.54 | 2.30 | 3.07 | 3.84 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| OA | 679.06 | 673.21 | 625.34 | 560.45 | 405.13 | 169.50 | 93.44 | 62.76 | 31.03 | 8.33 |
| OB | 679.06 | 673.21 | 625.34 | 560.45 | 405.13 | 169.50 | 93.44 | 62.76 | 31.03 | 8.33 |
| OC | 679.06 | 674.63 | 627.46 | 563.81 | 405.66 | 168.97 | 94.15 | 63.30 | 31.20 | 6.91 |
| OD | 679.06 | 674.63 | 627.46 | 563.81 | 405.66 | 168.97 | 94.15 | 63.30 | 31.20 | 6.91 |



| H[m] | D[m] | Max lux | Med lux | Alpha=37.5°+37.5° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.54 | 679 | 314 | | |
| 2.00 | 3.07 | 170 | 78 | | |
| 3.00 | 4.61 | 75 | 35 | | |
| 4.00 | 6.15 | 42 | 20 | | |
| 5.00 | 7.68 | 27 | 13 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=37.5°+37.5° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.54 | 679 | 314 | | |
| 2.00 | 3.07 | 170 | 78 | | |
| 3.00 | 4.61 | 75 | 35 | | |
| 4.00 | 6.15 | 42 | 20 | | |
| 5.00 | 7.68 | 27 | 13 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1074 lm | Luminaire Power | 11.8 W | Efficacy | 91.357 lm/W | Efficiency | 60.60% |
| Source Flux | 1773 lm | Maximum value | 383.00 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 | 20.3 | 21.3 | 20.6 | 21.5 | 21.7 | 20.3 | 21.3 | 20.6 | 21.5 | 21.7 |
| x=2H y=3H | 20.8 | 21.7 | 21.1 | 22.0 | 22.2 | 20.8 | 21.8 | 21.1 | 22.0 | 22.2 |
| x=2H y=4H | 21.0 | 21.8 | 21.3 | 22.1 | 22.3 | 21.0 | 21.8 | 21.3 | 22.1 | 22.4 |
| x=2H y=6H | 21.0 | 21.8 | 21.4 | 22.1 | 22.4 | 21.0 | 21.8 | 21.4 | 22.1 | 22.4 |
| x=2H y=8H | 21.0 | 21.8 | 21.4 | 22.1 | 22.4 | 21.0 | 21.8 | 21.4 | 22.1 | 22.4 |
| x=2H y=12H | 21.0 | 21.7 | 21.4 | 22.0 | 22.4 | 21.0 | 21.7 | 21.4 | 22.0 | 22.4 |
| x=4H y=2H | 20.5 | 21.4 | 20.8 | 21.6 | 21.9 | 20.5 | 21.4 | 20.8 | 21.6 | 21.9 |
| x=4H y=3H | 21.2 | 21.9 | 21.5 | 22.2 | 22.5 | 21.2 | 21.9 | 21.5 | 22.2 | 22.5 |
| x=4H y=4H | 21.4 | 22.0 | 21.8 | 22.4 | 22.7 | 21.4 | 22.1 | 21.8 | 22.4 | 22.7 |
| x=4H y=6H | 21.5 | 22.1 | 21.9 | 22.4 | 22.8 | 21.5 | 22.1 | 21.9 | 22.4 | 22.8 |
| x=4H y=8H | 21.6 | 22.0 | 22.0 | 22.5 | 22.9 | 21.6 | 22.0 | 22.0 | 22.4 | 22.8 |
| x=4H y=12H | 21.6 | 22.0 | 22.0 | 22.4 | 22.8 | 21.5 | 22.0 | 22.0 | 22.4 | 22.8 |
| x=8H y=4H | 21.5 | 21.9 | 21.9 | 22.3 | 22.8 | 21.5 | 21.9 | 21.9 | 22.4 | 22.8 |
| x=8H y=6H | 21.6 | 22.0 | 22.1 | 22.5 | 22.9 | 21.6 | 22.0 | 22.1 | 22.5 | 22.9 |
| x=8H y=8H | 21.7 | 22.0 | 22.1 | 22.5 | 22.9 | 21.7 | 22.0 | 22.1 | 22.5 | 22.9 |
| x=8H y=12H | 21.7 | 22.0 | 22.2 | 22.5 | 23.0 | 21.7 | 22.0 | 22.2 | 22.4 | 22.9 |
| x=12H y=4H | 21.4 | 21.9 | 21.9 | 22.3 | 22.7 | 21.4 | 21.9 | 21.9 | 22.3 | 22.7 |
| x=12H y=6H | 21.6 | 22.0 | 22.1 | 22.4 | 22.9 | 21.6 | 22.0 | 22.1 | 22.4 | 22.9 |
| x=12H y=8H | 21.7 | 22.0 | 22.2 | 22.4 | 22.9 | 21.7 | 22.0 | 22.2 | 22.4 | 22.9 |

Luminaire

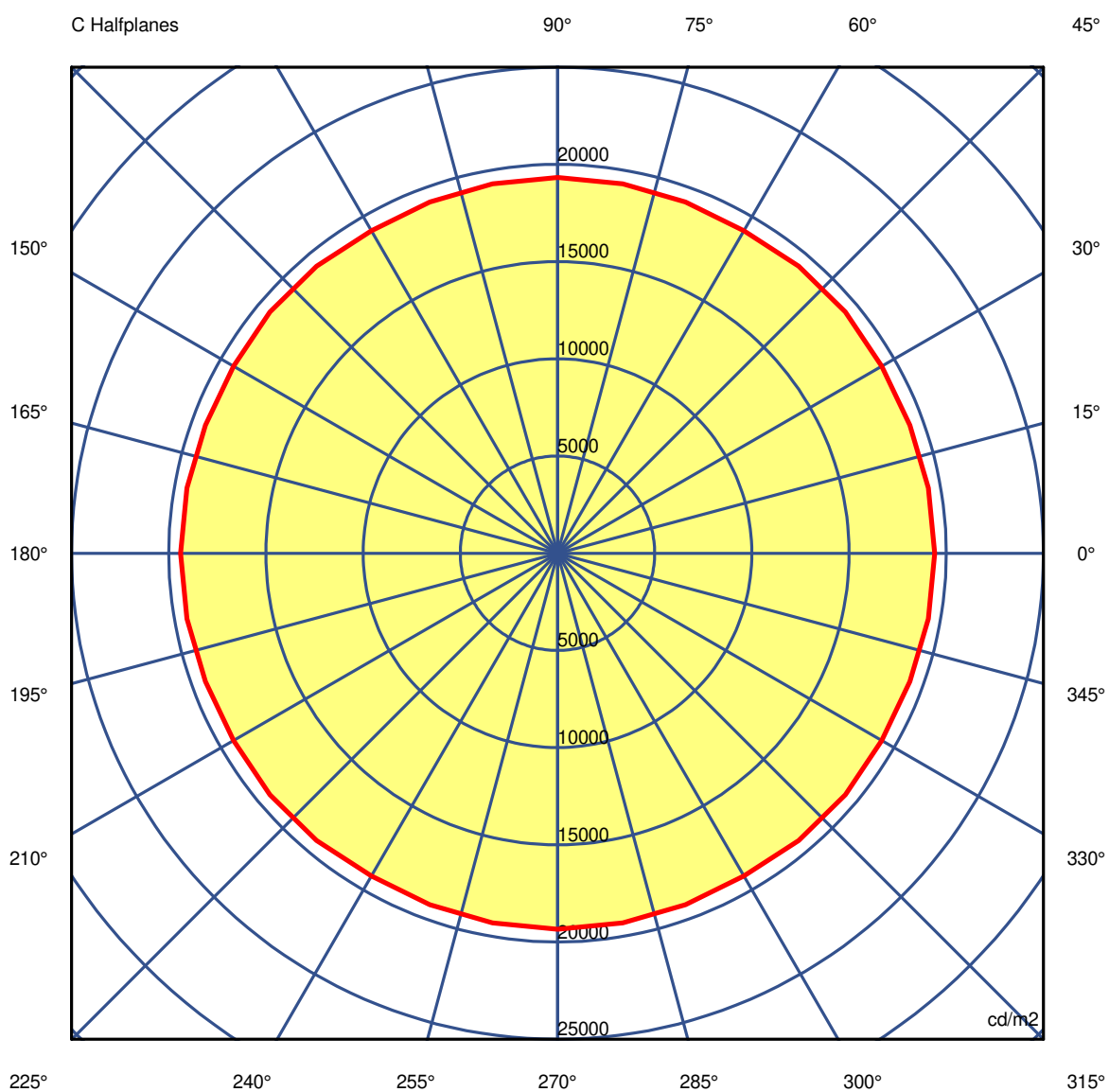
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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 1074 lm | Luminaire Power | 11.8 W | Efficacy | 91.357 lm/W | Efficiency | 60.60% |
| Source Flux | 1773 lm | Maximum value | 383.00 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

Luminaire

Code 90575L015

Name VEGA IP /E D100 LIGHT+ 940 HO

Measurement

Code 9/2/2023

Name VEGA IP /E D100 LIGHT+ 940 HO

| | | | | | | | | | | | | | |
|---------------------------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|----------|
| Luminaire Flux | 1074 lm | Luminaire Power | | 11.8 W | | Efficacy | | 91.357 lm/W | | Efficiency | | 60.60% | |
| Source Flux | 1773 lm | Maximum value | | 383.00 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 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 |
| G 5.0 | 137895 | 138055 | 137825 | 137495 | 137715 | 137895 | 137786 | 137739 | 137886 | 138185 | 137886 | 137739 | 137786 |
| G 10.0 | 118188 | 118152 | 117994 | 117868 | 118029 | 118067 | 117964 | 118103 | 118188 | 118188 | 118188 | 118103 | 117964 |
| G 15.0 | 101534 | 101585 | 101579 | 101534 | 101517 | 101484 | 101477 | 101597 | 101752 | 101880 | 101752 | 101597 | 101477 |
| G 20.0 | 88237 | 88416 | 88343 | 88158 | 88240 | 88362 | 88395 | 88450 | 88569 | 88738 | 88569 | 88450 | 88395 |
| G 25.0 | 77318 | 77367 | 77343 | 77318 | 77424 | 77461 | 77440 | 77577 | 77719 | 77783 | 77719 | 77577 | 77440 |
| G 30.0 | 65103 | 65144 | 65137 | 65126 | 65193 | 65211 | 65195 | 65285 | 65332 | 65332 | 65332 | 65285 | 65195 |
| G 35.0 | 49905 | 49932 | 49903 | 49861 | 49896 | 49886 | 49840 | 49890 | 49951 | 49971 | 49951 | 49890 | 49840 |
| G 40.0 | 32415 | 32399 | 32394 | 32394 | 32366 | 32300 | 32226 | 32307 | 32362 | 32310 | 32362 | 32307 | 32226 |
| G 45.0 | 19392 | 19360 | 19291 | 19250 | 19322 | 19284 | 19169 | 19235 | 19304 | 19331 | 19304 | 19235 | 19169 |
| G 50.0 | 13149 | 13149 | 13139 | 13129 | 13156 | 13169 | 13169 | 13181 | 13188 | 13188 | 13188 | 13181 | 13169 |
| G 55.0 | 10270 | 10252 | 10258 | 10270 | 10252 | 10265 | 10309 | 10326 | 10333 | 10348 | 10333 | 10326 | 10309 |
| G 60.0 | 8755 | 8788 | 8789 | 8775 | 8787 | 8794 | 8794 | 8817 | 8847 | 8871 | 8847 | 8817 | 8794 |
| G 65.0 | 6838 | 6838 | 6845 | 6857 | 6846 | 6835 | 6838 | 6849 | 6869 | 6896 | 6869 | 6849 | 6838 |
| G 70.0 | 4999 | 5014 | 5019 | 5019 | 5019 | 5012 | 4999 | 5008 | 5031 | 5058 | 5031 | 5008 | 4999 |
| G 75.0 | 3455 | 3455 | 3455 | 3455 | 3455 | 3449 | 3435 | 3431 | 3445 | 3475 | 3445 | 3431 | 3435 |
| G 80.0 | 2080 | 2114 | 2117 | 2100 | 2100 | 2088 | 2060 | 2060 | 2052 | 2020 | 2052 | 2060 | 2060 |
| G 85.0 | 979 | 979 | 979 | 979 | 952 | 927 | 917 | 908 | 874 | 813 | 874 | 908 | 917 |
| G 90.0 | 173 | 157 | 152 | 152 | 152 | 138 | 108 | 108 | 105 | 87 | 105 | 108 | 108 |

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|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|-----------|--------|
| Luminaire Flux | 1074 lm | | Luminaire Power | | 11.8 W | | Efficacy | | 91.357 lm/W | | Efficiency | | 60.60% | | |
| Source Flux | 1773 lm | | Maximum value | | 383.00 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 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 |
| G 5.0 | 137895 | 137715 | 137495 | 137825 | 138055 | 137895 | 138055 | 137825 | 137495 | 137715 | 137895 | 137786 | 137739 | 137799 | 137739 |
| G 10.0 | 118067 | 118029 | 117868 | 117994 | 118152 | 118188 | 118152 | 117994 | 117868 | 118029 | 118067 | 117964 | 117964 | 118103 | 118103 |
| G 15.0 | 101484 | 101517 | 101534 | 101579 | 101585 | 101534 | 101585 | 101579 | 101534 | 101517 | 101484 | 101477 | 101597 | 101597 | 101597 |
| G 20.0 | 88362 | 88240 | 88158 | 88343 | 88416 | 88237 | 88416 | 88343 | 88158 | 88240 | 88362 | 88395 | 88450 | 88450 | 88450 |
| G 25.0 | 77461 | 77424 | 77318 | 77343 | 77367 | 77318 | 77367 | 77343 | 77318 | 77424 | 77461 | 77440 | 77577 | 77577 | 77577 |
| G 30.0 | 65211 | 65193 | 65126 | 65137 | 65144 | 65103 | 65144 | 65137 | 65126 | 65193 | 65211 | 65195 | 65285 | 65285 | 65285 |
| G 35.0 | 49886 | 49896 | 49861 | 49903 | 49932 | 49905 | 49932 | 49903 | 49861 | 49896 | 49886 | 49840 | 49890 | 49890 | 49890 |
| G 40.0 | 32300 | 32366 | 32394 | 32394 | 32399 | 32415 | 32399 | 32394 | 32394 | 32366 | 32300 | 32226 | 32307 | 32307 | 32307 |
| G 45.0 | 19284 | 19322 | 19250 | 19291 | 19360 | 19392 | 19360 | 19291 | 19250 | 19322 | 19284 | 19169 | 19235 | 19235 | 19235 |
| G 50.0 | 13169 | 13156 | 13129 | 13139 | 13149 | 13149 | 13149 | 13139 | 13129 | 13156 | 13169 | 13169 | 13181 | 13181 | 13181 |
| G 55.0 | 10265 | 10252 | 10270 | 10258 | 10252 | 10270 | 10252 | 10258 | 10270 | 10252 | 10265 | 10309 | 10326 | 10326 | 10326 |
| G 60.0 | 8794 | 8787 | 8775 | 8789 | 8788 | 8755 | 8788 | 8789 | 8775 | 8787 | 8794 | 8794 | 8817 | 8817 | 8817 |
| G 65.0 | 6835 | 6846 | 6857 | 6845 | 6838 | 6838 | 6838 | 6845 | 6857 | 6846 | 6835 | 6838 | 6849 | 6849 | 6849 |
| G 70.0 | 5012 | 5019 | 5019 | 5019 | 5014 | 4999 | 5014 | 5019 | 5019 | 5019 | 5012 | 4999 | 5008 | 5008 | 5008 |
| G 75.0 | 3449 | 3455 | 3455 | 3455 | 3455 | 3455 | 3455 | 3455 | 3455 | 3455 | 3449 | 3435 | 3431 | 3431 | 3431 |
| G 80.0 | 2088 | 2100 | 2100 | 2117 | 2114 | 2080 | 2114 | 2117 | 2100 | 2100 | 2088 | 2060 | 2060 | 2060 | 2060 |
| G 85.0 | 927 | 952 | 979 | 979 | 979 | 979 | 979 | 979 | 979 | 952 | 927 | 917 | 908 | 908 | 908 |
| G 90.0 | 138 | 152 | 152 | 152 | 157 | 173 | 157 | 152 | 152 | 152 | 138 | 108 | 108 | 108 | 108 |

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| Luminaire Flux | 1074 lm | Luminaire Power | 11.8 W | Efficacy | 91.357 lm/W | Efficiency | 60.60% |
| Source Flux | 1773 lm | Maximum value | 383.00 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 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 | 162245 |
| G 5.0 | 137886 | 138185 | 137886 | 137739 | 137786 | 137895 | 137715 | 137495 | 137825 | 138055 |
| G 10.0 | 118188 | 118188 | 118188 | 118103 | 117964 | 118067 | 118029 | 117868 | 117994 | 118152 |
| G 15.0 | 101752 | 101880 | 101752 | 101597 | 101477 | 101484 | 101517 | 101534 | 101579 | 101585 |
| G 20.0 | 88569 | 88738 | 88569 | 88450 | 88395 | 88362 | 88240 | 88158 | 88343 | 88416 |
| G 25.0 | 77719 | 77783 | 77719 | 77577 | 77440 | 77461 | 77424 | 77318 | 77343 | 77367 |
| G 30.0 | 65332 | 65332 | 65332 | 65285 | 65195 | 65211 | 65193 | 65126 | 65137 | 65144 |
| G 35.0 | 49951 | 49971 | 49951 | 49890 | 49840 | 49886 | 49896 | 49861 | 49903 | 49932 |
| G 40.0 | 32362 | 32310 | 32362 | 32307 | 32226 | 32300 | 32366 | 32394 | 32394 | 32399 |
| G 45.0 | 19304 | 19331 | 19304 | 19235 | 19169 | 19284 | 19322 | 19250 | 19291 | 19360 |
| G 50.0 | 13188 | 13188 | 13188 | 13181 | 13169 | 13169 | 13156 | 13129 | 13139 | 13149 |
| G 55.0 | 10333 | 10348 | 10333 | 10326 | 10309 | 10265 | 10252 | 10270 | 10258 | 10252 |
| G 60.0 | 8847 | 8871 | 8847 | 8817 | 8794 | 8794 | 8787 | 8775 | 8789 | 8788 |
| G 65.0 | 6869 | 6896 | 6869 | 6849 | 6838 | 6835 | 6846 | 6857 | 6845 | 6838 |
| G 70.0 | 5031 | 5058 | 5031 | 5008 | 4999 | 5012 | 5019 | 5019 | 5019 | 5014 |
| G 75.0 | 3445 | 3475 | 3445 | 3431 | 3435 | 3449 | 3455 | 3455 | 3455 | 3455 |
| G 80.0 | 2052 | 2020 | 2052 | 2060 | 2060 | 2088 | 2100 | 2100 | 2117 | 2114 |
| G 85.0 | 874 | 813 | 874 | 908 | 917 | 927 | 952 | 979 | 979 | 979 |
| G 90.0 | 105 | 87 | 105 | 108 | 108 | 138 | 152 | 152 | 152 | 157 |