

Luminaire

Code 90766L00L

Name FESAL SQ IP Q105 PB TRANSP. 930 60° LO

Measurem.

Code 45058

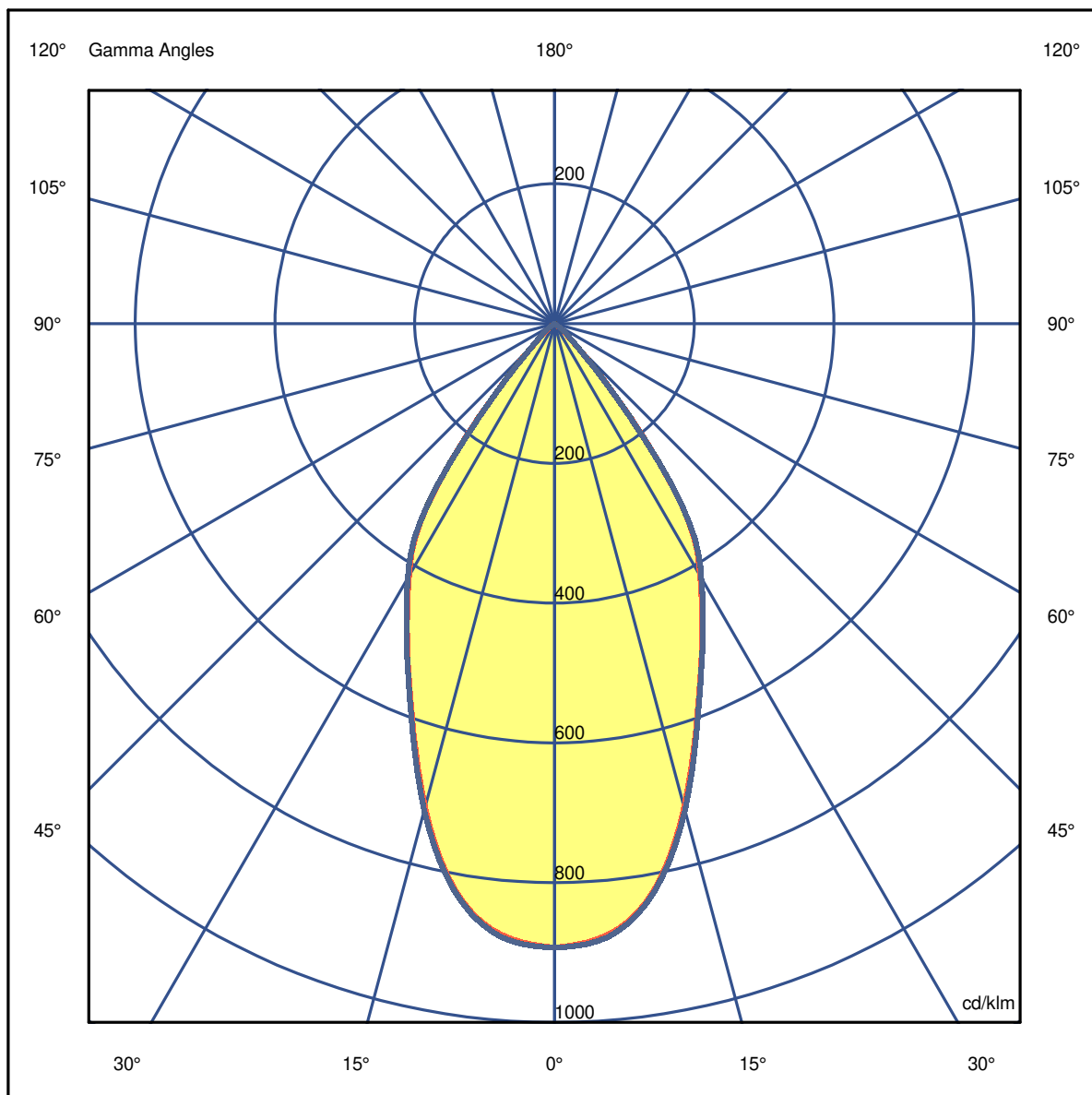
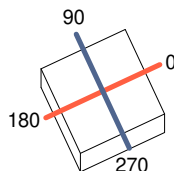
Name FESAL SQ IP Q105 PB TRANSP. 930 60° LO

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 770 lm | Luminaire Power | 6.5 W | Efficacy | 117.763 lm/W | Efficiency | 79.24% |
| Source Flux | 972 lm | Maximum value | 892.80 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

105mm x 105mm

C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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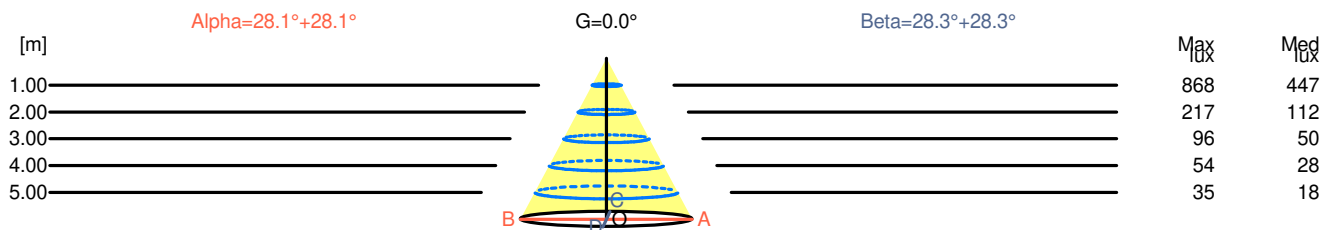
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Width at 50.00 % of Max Intensity

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 0.53 | 1.07 | 1.60 | 2.14 | 2.67 | OC | 0.54 | 1.08 | 1.62 | 2.16 | 2.69 |
| OB | 0.53 | 1.07 | 1.60 | 2.14 | 2.67 | OD | 0.54 | 1.08 | 1.62 | 2.16 | 2.69 |

| | Luminous Intensities [cd/klm] | | | | | | | | | |
|----|--------------------------------|--------|--------|--------|--------|-------|------|------|------|------|
| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
| OA | 867.80 | 853.03 | 695.85 | 485.22 | 309.48 | 38.98 | 1.36 | 0.39 | 0.00 | 0.00 |
| OB | 867.80 | 853.03 | 695.85 | 485.22 | 309.48 | 38.98 | 1.36 | 0.39 | 0.00 | 0.00 |
| OC | 867.80 | 856.04 | 700.62 | 487.36 | 310.17 | 40.63 | 1.75 | 0.00 | 0.00 | 0.00 |
| OD | 867.80 | 856.04 | 700.62 | 487.36 | 310.17 | 40.63 | 1.75 | 0.00 | 0.00 | 0.00 |



| H[m] | D[m] | Max lux | Med lux | Alpha=28.1°+28.1° | G=0.0 | |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 1.07 | 868 | 447 | | | |
| 2.00 | 2.14 | 217 | 112 | | | |
| 3.00 | 3.20 | 96 | 50 | | | |
| 4.00 | 4.27 | 54 | 28 | | | |
| 5.00 | 5.34 | 35 | 18 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=28.3°+28.3° | G=0.0 | |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 1.08 | 868 | 447 | | | |
| 2.00 | 2.16 | 217 | 112 | | | |
| 3.00 | 3.23 | 96 | 50 | | | |
| 4.00 | 4.31 | 54 | 28 | | | |
| 5.00 | 5.39 | 35 | 18 | | | |

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| Luminaire Flux | 770 lm | Luminaire Power | 6.5 W | Efficacy | 117.763 lm/W | Efficiency | 79.24% |
| Source Flux | 972 lm | Maximum value | 892.80 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 | 20.4 | 21.1 | 20.7 | 21.3 | 21.5 | 20.4 | 21.1 | 20.7 | 21.3 | 21.5 |
| x=2H y=3H | 20.3 | 20.9 | 20.6 | 21.1 | 21.4 | 20.3 | 20.9 | 20.6 | 21.2 | 21.4 |
| x=2H y=4H | 20.2 | 20.8 | 20.5 | 21.1 | 21.3 | 20.2 | 20.8 | 20.5 | 21.1 | 21.3 |
| x=2H y=6H | 20.1 | 20.7 | 20.4 | 21.0 | 21.2 | 20.1 | 20.7 | 20.5 | 21.0 | 21.2 |
| x=2H y=8H | 20.1 | 20.6 | 20.4 | 20.9 | 21.2 | 20.1 | 20.6 | 20.4 | 20.9 | 21.2 |
| x=2H y=12H | 20.0 | 20.6 | 20.4 | 20.9 | 21.2 | 20.1 | 20.6 | 20.4 | 20.9 | 21.2 |
| x=4H y=2H | 20.2 | 20.8 | 20.5 | 21.1 | 21.3 | 20.2 | 20.8 | 20.5 | 21.1 | 21.3 |
| x=4H y=3H | 20.1 | 20.6 | 20.4 | 20.9 | 21.2 | 20.1 | 20.6 | 20.4 | 20.9 | 21.2 |
| x=4H y=4H | 20.0 | 20.4 | 20.3 | 20.7 | 21.1 | 20.0 | 20.4 | 20.4 | 20.8 | 21.1 |
| x=4H y=6H | 19.9 | 20.3 | 20.3 | 20.6 | 21.0 | 19.9 | 20.3 | 20.3 | 20.6 | 21.0 |
| x=4H y=8H | 19.9 | 20.2 | 20.3 | 20.6 | 21.0 | 19.9 | 20.2 | 20.3 | 20.6 | 21.0 |
| x=4H y=12H | 19.8 | 20.1 | 20.3 | 20.5 | 20.9 | 19.8 | 20.1 | 20.3 | 20.5 | 20.9 |
| x=8H y=4H | 19.9 | 20.2 | 20.3 | 20.6 | 21.0 | 19.9 | 20.2 | 20.3 | 20.6 | 21.0 |
| x=8H y=6H | 19.8 | 20.0 | 20.2 | 20.4 | 20.9 | 19.8 | 20.0 | 20.2 | 20.4 | 20.9 |
| x=8H y=8H | 19.7 | 19.9 | 20.2 | 20.4 | 20.9 | 19.7 | 19.9 | 20.2 | 20.4 | 20.9 |
| x=8H y=12H | 19.7 | 19.8 | 20.2 | 20.3 | 20.8 | 19.7 | 19.9 | 20.2 | 20.3 | 20.8 |
| x=12H y=4H | 19.8 | 20.1 | 20.3 | 20.5 | 20.9 | 19.8 | 20.1 | 20.3 | 20.5 | 20.9 |
| x=12H y=6H | 19.7 | 19.9 | 20.2 | 20.4 | 20.9 | 19.7 | 19.9 | 20.2 | 20.4 | 20.9 |
| x=12H y=8H | 19.7 | 19.8 | 20.2 | 20.3 | 20.8 | 19.7 | 19.9 | 20.2 | 20.3 | 20.8 |

Luminaire

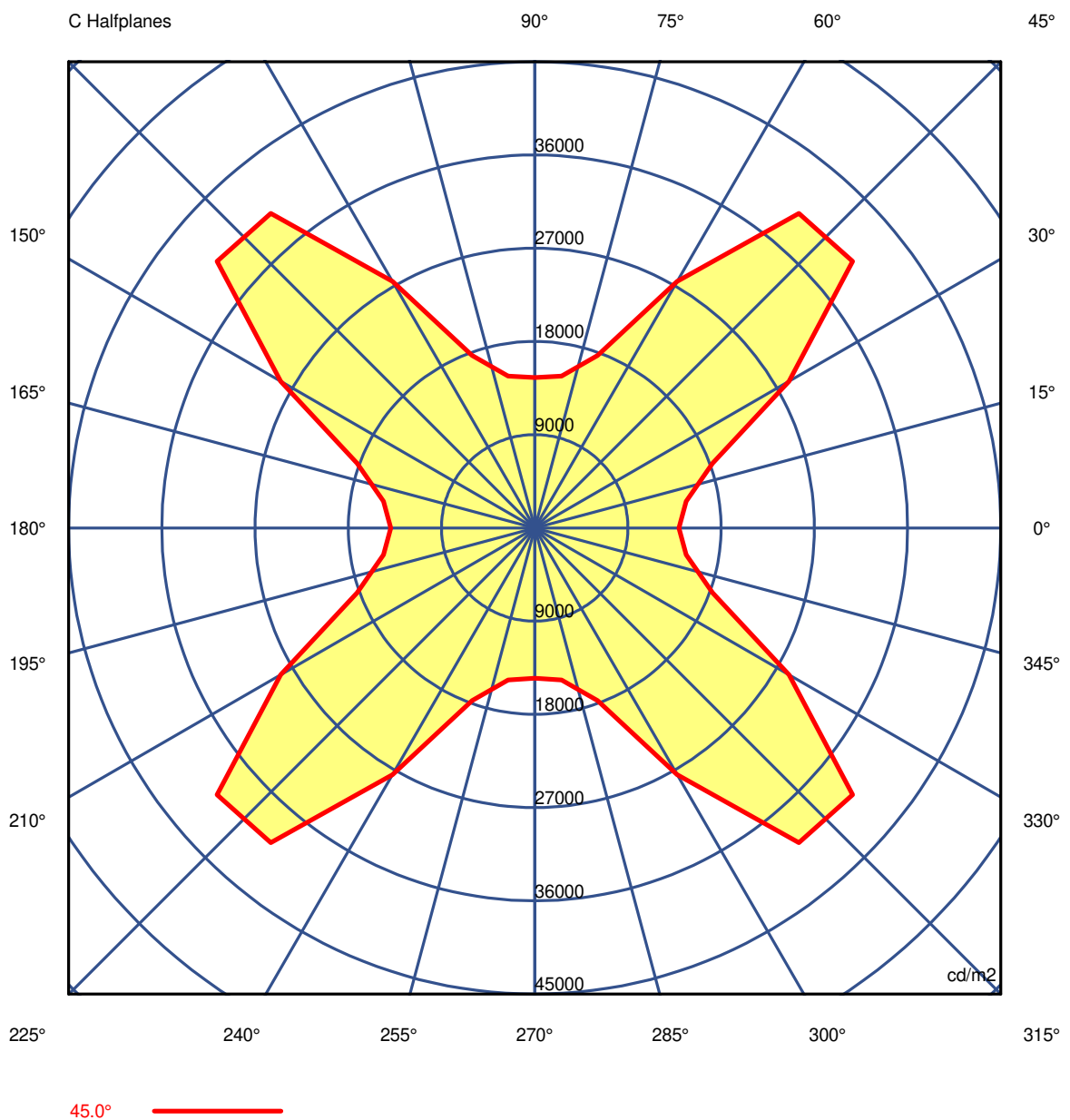
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| Source Flux | 972 lm | Maximum value | 892.80 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Luminance



Luminaire

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| Luminaire Flux | 770 lm | | Luminaire Power | | 6.5 W | | Efficacy | | 117.763 lm/W | | Efficiency | | 79.24% | |
|-----------------|--------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 972 lm | | Maximum value | | 892.80 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 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | |
| G 5.0 | 216278 | 216329 | 216516 | 216672 | 216536 | 216647 | 216968 | 216924 | 216880 | 217042 | 216880 | 216924 | 216968 | |
| G 10.0 | 205068 | 205401 | 205574 | 205541 | 205413 | 205433 | 205541 | 205462 | 205418 | 205516 | 205418 | 205462 | 205541 | |
| G 15.0 | 181957 | 181957 | 182029 | 182211 | 182332 | 182538 | 182796 | 182906 | 183015 | 183202 | 183015 | 182906 | 182796 | |
| G 20.0 | 155999 | 156085 | 156177 | 156312 | 156499 | 156534 | 156495 | 156655 | 156745 | 156652 | 156745 | 156655 | 156495 | |
| G 25.0 | 135225 | 135368 | 135358 | 135280 | 135341 | 135331 | 135225 | 135249 | 135467 | 135821 | 135467 | 135249 | 135225 | |
| G 30.0 | 118100 | 118439 | 119031 | 119574 | 119441 | 119356 | 119319 | 119251 | 119169 | 119120 | 119169 | 119251 | 119319 | |
| G 35.0 | 95426 | 98599 | 102920 | 106785 | 107045 | 107313 | 106905 | 103432 | 99189 | 95636 | 99189 | 103432 | 106905 | |
| G 40.0 | 44323 | 49115 | 59953 | 74032 | 81898 | 82429 | 74929 | 59752 | 47999 | 43169 | 47999 | 59752 | 74929 | |
| G 45.0 | 13923 | 14848 | 18255 | 28331 | 40039 | 39653 | 27498 | 17718 | 14883 | 14513 | 14883 | 17718 | 27498 | |
| G 50.0 | 6493 | 7665 | 8831 | 9969 | 10892 | 10858 | 9892 | 8850 | 8266 | 8135 | 8266 | 8850 | 9892 | |
| G 55.0 | 599 | 735 | 1175 | 2183 | 3571 | 3574 | 2183 | 1161 | 856 | 770 | 856 | 1161 | 2183 | |
| G 60.0 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | |
| G 65.0 | 232 | 126 | 150 | 232 | 174 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 70.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 75.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 80.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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|-----------------|--------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--------|--------|
| Source Flux | | 972 lm | | Maximum value | | 892.80 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 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 |
| G 5.0 | 216647 | 216536 | 216672 | 216516 | 216329 | 216278 | 216329 | 216516 | 216672 | 216536 | 216647 | 216968 | 216924 | 216924 | 216968 | 216924 |
| G 10.0 | 205433 | 205413 | 205541 | 205574 | 205401 | 205068 | 205401 | 205574 | 205541 | 205413 | 205433 | 205541 | 205462 | 205462 | 205541 | 205462 |
| G 15.0 | 182538 | 182332 | 182211 | 182029 | 181957 | 181957 | 181957 | 182029 | 182211 | 182332 | 182538 | 182796 | 182906 | 182906 | 182796 | 182906 |
| G 20.0 | 156534 | 156499 | 156312 | 156177 | 156085 | 155999 | 156085 | 156177 | 156312 | 156499 | 156534 | 156495 | 156655 | 156655 | 156495 | 156655 |
| G 25.0 | 135331 | 135341 | 135280 | 135358 | 135368 | 135225 | 135368 | 135358 | 135280 | 135341 | 135331 | 135225 | 135249 | 135249 | 135225 | 135249 |
| G 30.0 | 119356 | 119441 | 119574 | 119031 | 118439 | 118100 | 118439 | 119031 | 119574 | 119441 | 119356 | 119319 | 119251 | 119251 | 119319 | 119251 |
| G 35.0 | 107313 | 107045 | 106785 | 102920 | 98599 | 95426 | 98599 | 102920 | 106785 | 107045 | 107313 | 106905 | 103432 | 103432 | 106905 | 103432 |
| G 40.0 | 82429 | 81898 | 74032 | 59953 | 49115 | 44323 | 49115 | 59953 | 74032 | 81898 | 82429 | 74929 | 59752 | 59752 | 74929 | 59752 |
| G 45.0 | 39653 | 40039 | 28331 | 18255 | 14848 | 13923 | 14848 | 18255 | 28331 | 40039 | 39653 | 27498 | 17718 | 17718 | 27498 | 17718 |
| G 50.0 | 10858 | 10892 | 9969 | 8831 | 7665 | 6493 | 7665 | 8831 | 9969 | 10892 | 10858 | 9892 | 8850 | 8850 | 9892 | 8850 |
| G 55.0 | 3574 | 3571 | 2183 | 1175 | 735 | 599 | 735 | 1175 | 2183 | 3571 | 3574 | 2183 | 1161 | 1161 | 2183 | 1161 |
| G 60.0 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 |
| G 65.0 | 64 | 174 | 232 | 150 | 126 | 232 | 126 | 150 | 232 | 174 | 64 | 0 | 0 | 0 | 0 | 0 |
| G 70.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G 75.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G 80.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Luminaire Flux | 770 lm | Luminaire Power | | 6.5 W | | Efficacy | 117.763 lm/W | | Efficiency | | 79.24% |
| Source Flux | 972 lm | Maximum value | | 892.80 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 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | 219187 | |
| G 5.0 | 216880 | 217042 | 216880 | 216924 | 216968 | 216647 | 216536 | 216672 | 216516 | 216329 | |
| G 10.0 | 205418 | 205516 | 205418 | 205462 | 205541 | 205433 | 205413 | 205541 | 205574 | 205401 | |
| G 15.0 | 183015 | 183202 | 183015 | 182906 | 182796 | 182538 | 182332 | 182211 | 182029 | 181957 | |
| G 20.0 | 156745 | 156652 | 156745 | 156655 | 156495 | 156534 | 156499 | 156312 | 156177 | 156085 | |
| G 25.0 | 135467 | 135821 | 135467 | 135249 | 135225 | 135331 | 135341 | 135280 | 135358 | 135368 | |
| G 30.0 | 119169 | 119120 | 119169 | 119251 | 119319 | 119356 | 119441 | 119574 | 119031 | 118439 | |
| G 35.0 | 99189 | 95636 | 99189 | 103432 | 106905 | 107313 | 107045 | 106785 | 102920 | 98599 | |
| G 40.0 | 47999 | 43169 | 47999 | 59752 | 74929 | 82429 | 81898 | 74032 | 59953 | 49115 | |
| G 45.0 | 14883 | 14513 | 14883 | 17718 | 27498 | 39653 | 40039 | 28331 | 18255 | 14848 | |
| G 50.0 | 8266 | 8135 | 8266 | 8850 | 9892 | 10858 | 10892 | 9969 | 8831 | 7665 | |
| G 55.0 | 856 | 770 | 856 | 1161 | 2183 | 3574 | 3571 | 2183 | 1175 | 735 | |
| G 60.0 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | |
| G 65.0 | 0 | 0 | 0 | 0 | 0 | 64 | 174 | 232 | 150 | 126 | |
| G 70.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 75.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 80.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |