

Luminaire

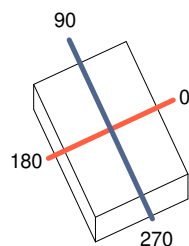
Code 90832L030
Name ZLP /W LED L0300 DOZ 840 LO

Measurem.

Code 12/8/2023
Name ZLP /W LED L0300 DOZ 840 LO

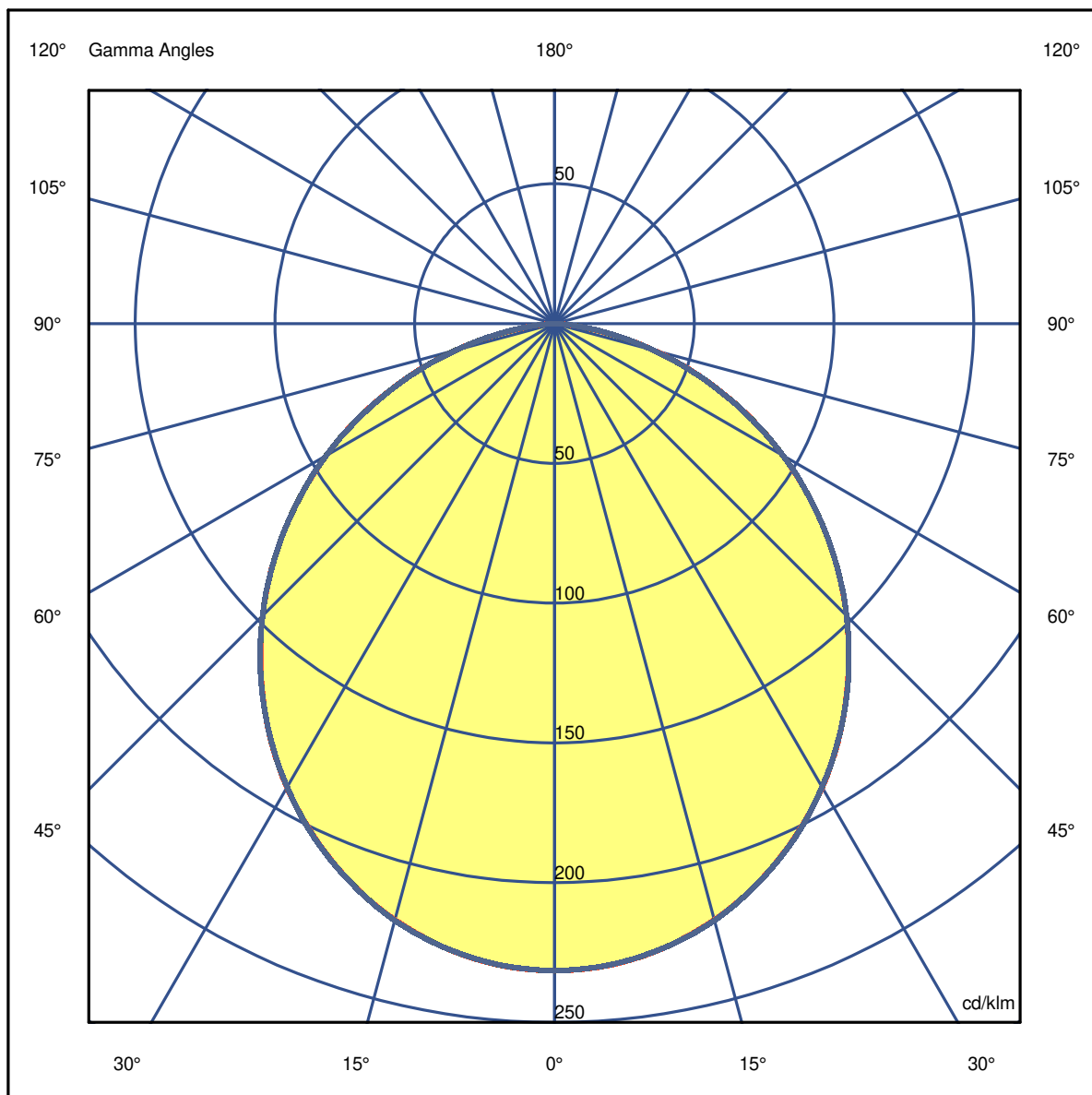
| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 609 lm | Luminaire Power | 6.2 W | Efficacy | 98.493 lm/W | Efficiency | 62.56% |
| Source Flux | 973 lm | Maximum value | 231.50 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

330mm x 230mm



C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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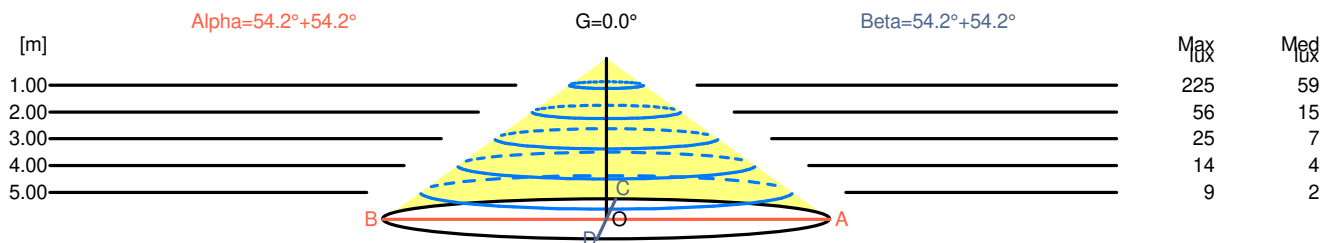
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|----------------|--------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 609 lm | Luminaire Power | 6.2 W | Efficacy | 98.493 lm/W | Efficiency | 62.56% |
| Source Flux | 973 lm | Maximum value | 231.50 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 | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 | OC | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 |
| OB | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 | OD | 1.39 | 2.78 | 4.17 | 5.56 | 6.94 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| OA | 225.25 | 224.08 | 214.84 | 197.52 | 173.49 | 143.71 | 109.95 | 73.07 | 35.61 | 5.45 |
| OB | 225.25 | 224.08 | 214.84 | 197.52 | 173.49 | 143.71 | 109.95 | 73.07 | 35.61 | 5.45 |
| OC | 225.25 | 223.98 | 215.03 | 197.62 | 173.39 | 143.81 | 109.95 | 72.88 | 35.42 | 5.84 |
| OD | 225.25 | 223.98 | 215.03 | 197.62 | 173.39 | 143.81 | 109.95 | 72.88 | 35.42 | 5.84 |



| H[m] | D[m] | Max lux | Med lux | Alpha=54.2°+54.2° | G=0.0 | |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.78 | 225 | 59 | | | |
| 2.00 | 5.56 | 56 | 15 | | | |
| 3.00 | 8.33 | 25 | 7 | | | |
| 4.00 | 11.11 | 14 | 4 | | | |
| 5.00 | 13.89 | 9 | 2 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=54.2°+54.2° | G=0.0 | |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 2.78 | 225 | 59 | | | |
| 2.00 | 5.56 | 56 | 15 | | | |
| 3.00 | 8.33 | 25 | 7 | | | |
| 4.00 | 11.11 | 14 | 4 | | | |
| 5.00 | 13.89 | 9 | 2 | | | |

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|----------------|--------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 609 lm | Luminaire Power | 6.2 W | Efficacy | 98.493 lm/W | Efficiency | 62.56% |
| Source Flux | 973 lm | Maximum value | 231.50 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 | 18.4 | 19.7 | 18.7 | 19.9 | 20.2 | 18.4 | 19.7 | 18.7 | 19.9 | 20.2 |
| x=2H y=3H | 19.8 | 21.0 | 20.1 | 21.3 | 21.5 | 19.8 | 21.0 | 20.1 | 21.3 | 21.5 |
| x=2H y=4H | 20.3 | 21.4 | 20.7 | 21.7 | 22.0 | 20.3 | 21.4 | 20.7 | 21.7 | 22.0 |
| x=2H y=6H | 20.6 | 21.7 | 21.0 | 22.0 | 22.3 | 20.6 | 21.7 | 21.0 | 22.0 | 22.3 |
| x=2H y=8H | 20.7 | 21.7 | 21.1 | 22.0 | 22.3 | 20.7 | 21.7 | 21.1 | 22.0 | 22.3 |
| x=2H y=12H | 20.7 | 21.7 | 21.1 | 22.0 | 22.3 | 20.7 | 21.7 | 21.1 | 22.0 | 22.3 |
| x=4H y=2H | 19.0 | 20.1 | 19.4 | 20.4 | 20.7 | 19.0 | 20.1 | 19.4 | 20.4 | 20.7 |
| x=4H y=3H | 20.6 | 21.6 | 21.0 | 21.9 | 22.3 | 20.6 | 21.6 | 21.0 | 21.9 | 22.3 |
| x=4H y=4H | 21.3 | 22.1 | 21.7 | 22.5 | 22.8 | 21.3 | 22.1 | 21.7 | 22.5 | 22.8 |
| x=4H y=6H | 21.7 | 22.4 | 22.1 | 22.8 | 23.2 | 21.7 | 22.4 | 22.1 | 22.8 | 23.2 |
| x=4H y=8H | 21.8 | 22.5 | 22.2 | 22.9 | 23.3 | 21.8 | 22.5 | 22.2 | 22.9 | 23.3 |
| x=4H y=12H | 21.8 | 22.4 | 22.3 | 22.8 | 23.3 | 21.8 | 22.4 | 22.3 | 22.8 | 23.3 |
| x=8H y=4H | 21.5 | 22.2 | 22.0 | 22.6 | 23.0 | 21.5 | 22.2 | 22.0 | 22.6 | 23.0 |
| x=8H y=6H | 22.0 | 22.6 | 22.5 | 23.0 | 23.5 | 22.0 | 22.6 | 22.5 | 23.0 | 23.5 |
| x=8H y=8H | 22.2 | 22.6 | 22.6 | 23.1 | 23.6 | 22.2 | 22.6 | 22.6 | 23.1 | 23.6 |
| x=8H y=12H | 22.2 | 22.6 | 22.7 | 23.1 | 23.6 | 22.2 | 22.6 | 22.7 | 23.1 | 23.6 |
| x=12H y=4H | 21.5 | 22.1 | 22.0 | 22.5 | 23.0 | 21.5 | 22.1 | 22.0 | 22.5 | 23.0 |
| x=12H y=6H | 22.1 | 22.5 | 22.5 | 23.0 | 23.4 | 22.1 | 22.5 | 22.5 | 23.0 | 23.4 |
| x=12H y=8H | 22.2 | 22.6 | 22.7 | 23.1 | 23.6 | 22.2 | 22.6 | 22.7 | 23.1 | 23.6 |

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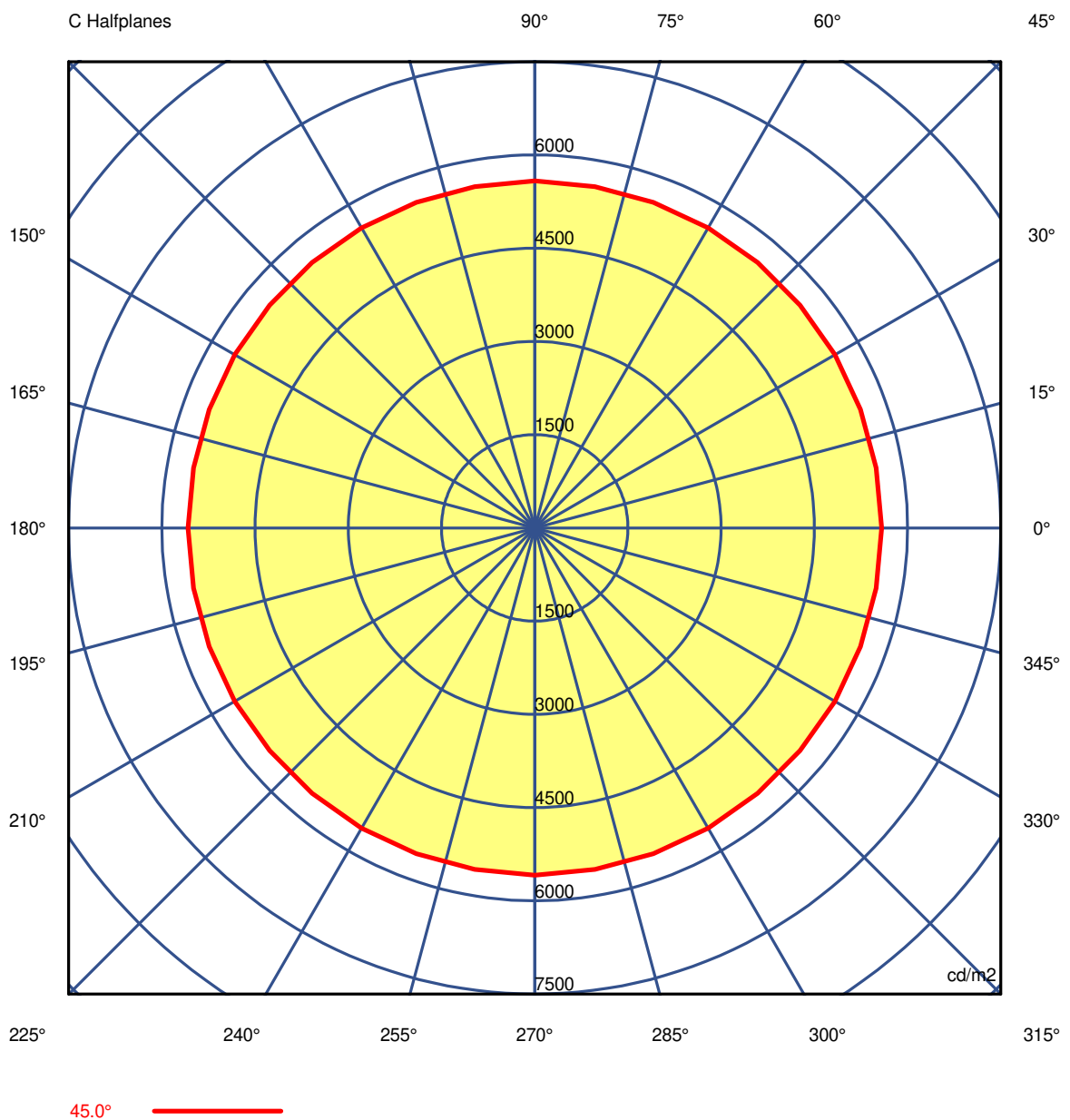
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|----------------|--------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 609 lm | Luminaire Power | 6.2 W | Efficacy | 98.493 lm/W | Efficiency | 62.56% |
| Source Flux | 973 lm | Maximum value | 231.50 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

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Measurement

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Name ZLP /W LED L0300 DOZ 840 LO

| Luminaire Flux | 609 lm | | Luminaire Power | | 6.2 W | | Efficacy | | 98.493 lm/W | | Efficiency | | 62.56% | |
|---------------------------|--------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 973 lm | | Maximum value | | 231.50 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 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | |
| G 5.0 | 6177 | 6177 | 6177 | 6177 | 6175 | 6174 | 6174 | 6174 | 6174 | 6174 | 6174 | 6174 | 6174 | |
| G 10.0 | 6148 | 6150 | 6149 | 6148 | 6150 | 6150 | 6148 | 6148 | 6148 | 6148 | 6148 | 6148 | 6148 | |
| G 15.0 | 6107 | 6107 | 6108 | 6110 | 6111 | 6109 | 6107 | 6107 | 6109 | 6113 | 6109 | 6107 | 6107 | |
| G 20.0 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6049 | 6048 | 6053 | 6048 | 6049 | 6053 | |
| G 25.0 | 5984 | 5984 | 5984 | 5984 | 5984 | 5983 | 5981 | 5983 | 5986 | 5987 | 5986 | 5983 | 5981 | |
| G 30.0 | 5908 | 5903 | 5902 | 5905 | 5903 | 5902 | 5902 | 5902 | 5902 | 5905 | 5902 | 5902 | 5902 | |
| G 35.0 | 5815 | 5811 | 5807 | 5806 | 5806 | 5806 | 5806 | 5808 | 5810 | 5812 | 5810 | 5808 | 5806 | |
| G 40.0 | 5702 | 5706 | 5705 | 5702 | 5702 | 5702 | 5702 | 5702 | 5703 | 5706 | 5703 | 5702 | 5702 | |
| G 45.0 | 5581 | 5578 | 5577 | 5577 | 5574 | 5574 | 5577 | 5577 | 5579 | 5585 | 5579 | 5577 | 5577 | |
| G 50.0 | 5441 | 5438 | 5435 | 5433 | 5429 | 5429 | 5433 | 5433 | 5434 | 5441 | 5434 | 5433 | 5433 | |
| G 55.0 | 5264 | 5260 | 5259 | 5259 | 5256 | 5254 | 5254 | 5257 | 5261 | 5264 | 5261 | 5257 | 5254 | |
| G 60.0 | 5044 | 5040 | 5039 | 5039 | 5035 | 5035 | 5039 | 5035 | 5035 | 5044 | 5035 | 5035 | 5039 | |
| G 65.0 | 4748 | 4744 | 4738 | 4735 | 4740 | 4741 | 4741 | 4751 | 4751 | 4735 | 4751 | 4751 | 4741 | |
| G 70.0 | 4343 | 4330 | 4330 | 4335 | 4330 | 4328 | 4335 | 4343 | 4340 | 4328 | 4340 | 4343 | 4335 | |
| G 75.0 | 3778 | 3778 | 3778 | 3778 | 3772 | 3763 | 3758 | 3765 | 3767 | 3758 | 3767 | 3765 | 3758 | |
| G 80.0 | 2893 | 2928 | 2939 | 2939 | 2939 | 2939 | 2939 | 2928 | 2923 | 2923 | 2923 | 2928 | 2939 | |
| G 85.0 | 1717 | 1756 | 1801 | 1839 | 1857 | 1892 | 1931 | 1919 | 1880 | 1839 | 1880 | 1919 | 1931 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| Luminaire Flux | 609 lm | | Luminaire Power | | 6.2 W | | Efficacy | | 98.493 lm/W | | Efficiency | | 62.56% | |
| Source Flux | 973 lm | | Maximum value | | 231.50 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 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | |
| G 5.0 | 6174 | 6175 | 6177 | 6177 | 6177 | 6177 | 6177 | 6177 | 6177 | 6175 | 6174 | 6174 | 6174 | |
| G 10.0 | 6150 | 6150 | 6148 | 6149 | 6150 | 6148 | 6150 | 6149 | 6148 | 6150 | 6150 | 6148 | 6148 | |
| G 15.0 | 6109 | 6111 | 6110 | 6108 | 6107 | 6107 | 6107 | 6108 | 6110 | 6111 | 6109 | 6107 | 6107 | |
| G 20.0 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 | 6049 | |
| G 25.0 | 5983 | 5984 | 5984 | 5984 | 5984 | 5984 | 5984 | 5984 | 5984 | 5984 | 5983 | 5981 | 5983 | |
| G 30.0 | 5902 | 5903 | 5905 | 5902 | 5903 | 5908 | 5903 | 5902 | 5905 | 5903 | 5902 | 5902 | 5902 | |
| G 35.0 | 5806 | 5806 | 5806 | 5807 | 5811 | 5815 | 5811 | 5807 | 5806 | 5806 | 5806 | 5806 | 5808 | |
| G 40.0 | 5702 | 5702 | 5702 | 5705 | 5706 | 5702 | 5706 | 5705 | 5702 | 5702 | 5702 | 5702 | 5702 | |
| G 45.0 | 5574 | 5574 | 5577 | 5577 | 5578 | 5581 | 5578 | 5577 | 5577 | 5574 | 5574 | 5577 | 5577 | |
| G 50.0 | 5429 | 5429 | 5433 | 5435 | 5438 | 5441 | 5438 | 5435 | 5433 | 5429 | 5429 | 5433 | 5433 | |
| G 55.0 | 5254 | 5256 | 5259 | 5259 | 5260 | 5264 | 5260 | 5259 | 5259 | 5256 | 5254 | 5254 | 5257 | |
| G 60.0 | 5035 | 5035 | 5039 | 5039 | 5040 | 5044 | 5040 | 5039 | 5039 | 5035 | 5035 | 5039 | 5035 | |
| G 65.0 | 4741 | 4740 | 4735 | 4738 | 4744 | 4748 | 4744 | 4738 | 4735 | 4740 | 4741 | 4741 | 4751 | |
| G 70.0 | 4328 | 4330 | 4335 | 4330 | 4330 | 4343 | 4330 | 4330 | 4335 | 4330 | 4328 | 4335 | 4343 | |
| G 75.0 | 3763 | 3772 | 3778 | 3778 | 3778 | 3778 | 3778 | 3778 | 3778 | 3772 | 3763 | 3758 | 3765 | |
| G 80.0 | 2939 | 2939 | 2939 | 2939 | 2928 | 2893 | 2928 | 2939 | 2939 | 2939 | 2939 | 2939 | 2928 | |
| G 85.0 | 1892 | 1857 | 1839 | 1801 | 1756 | 1717 | 1756 | 1801 | 1839 | 1857 | 1892 | 1931 | 1919 | |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| Luminaire Flux | 609 lm | Luminaire Power | 6.2 W | Efficacy | 98.493 lm/W | Efficiency | 62.56% |
|----------------|--------|-----------------|-------|----------|-------------|------------|--------|

| | | | | | | | |
|-------------|--------|---------------|---------------|----------|---------------|----|--------------------|
| Source Flux | 973 lm | Maximum value | 231.50 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 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 | 6185 |
| G 5.0 | 6174 | 6174 | 6174 | 6174 | 6174 | 6174 | 6175 | 6177 | 6177 | 6177 |
| G 10.0 | 6148 | 6148 | 6148 | 6148 | 6148 | 6150 | 6150 | 6148 | 6149 | 6150 |
| G 15.0 | 6109 | 6113 | 6109 | 6107 | 6107 | 6109 | 6111 | 6110 | 6108 | 6107 |
| G 20.0 | 6048 | 6053 | 6048 | 6049 | 6053 | 6053 | 6053 | 6053 | 6053 | 6053 |
| G 25.0 | 5986 | 5987 | 5986 | 5983 | 5981 | 5983 | 5984 | 5984 | 5984 | 5984 |
| G 30.0 | 5902 | 5905 | 5902 | 5902 | 5902 | 5902 | 5903 | 5905 | 5902 | 5903 |
| G 35.0 | 5810 | 5812 | 5810 | 5808 | 5806 | 5806 | 5806 | 5806 | 5807 | 5811 |
| G 40.0 | 5703 | 5706 | 5703 | 5702 | 5702 | 5702 | 5702 | 5702 | 5705 | 5706 |
| G 45.0 | 5579 | 5585 | 5579 | 5577 | 5577 | 5574 | 5574 | 5577 | 5577 | 5578 |
| G 50.0 | 5434 | 5441 | 5434 | 5433 | 5433 | 5429 | 5429 | 5433 | 5435 | 5438 |
| G 55.0 | 5261 | 5264 | 5261 | 5257 | 5254 | 5254 | 5256 | 5259 | 5259 | 5260 |
| G 60.0 | 5035 | 5044 | 5035 | 5035 | 5039 | 5035 | 5035 | 5039 | 5039 | 5040 |
| G 65.0 | 4751 | 4735 | 4751 | 4751 | 4741 | 4741 | 4740 | 4735 | 4738 | 4744 |
| G 70.0 | 4340 | 4328 | 4340 | 4343 | 4335 | 4328 | 4330 | 4335 | 4330 | 4330 |
| G 75.0 | 3767 | 3758 | 3767 | 3765 | 3758 | 3763 | 3772 | 3778 | 3778 | 3778 |
| G 80.0 | 2923 | 2923 | 2923 | 2928 | 2939 | 2939 | 2939 | 2939 | 2939 | 2928 |
| G 85.0 | 1880 | 1839 | 1880 | 1919 | 1931 | 1892 | 1857 | 1839 | 1801 | 1756 |
| G 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |