

**Luminaire**

Code 90482L060-58

Name TTP 50 LINE L0620 TOP 840 SRT/MID HO

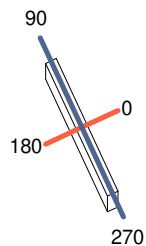
**Measurem.**

Code 4/7/2023

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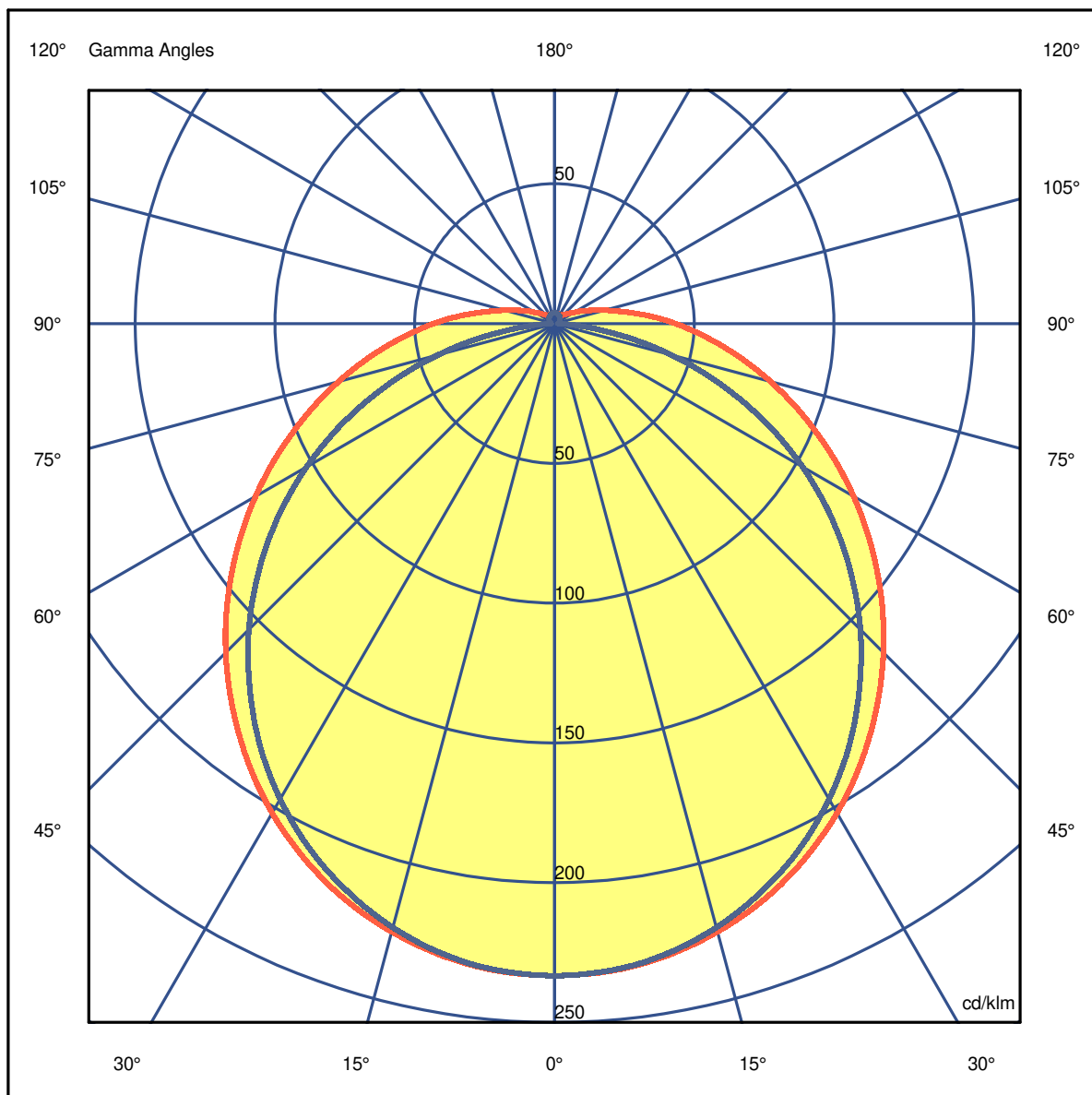
|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3404 lm | Luminaire Power | 26.3 W        | Efficacy | 129.279 lm/W  | Efficiency | 78.65%             |
| Source Flux    | 4328 lm | Maximum value   | 233.30 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

620mm x 50mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0



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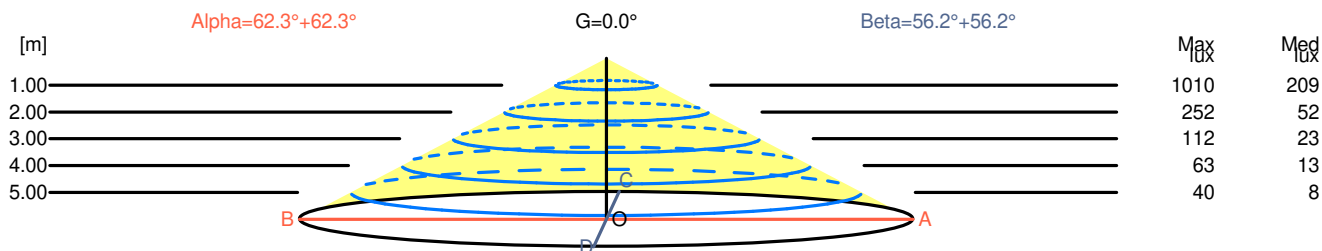
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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3404 lm | Luminaire Power | 26.3 W        | Efficacy | 129.279 lm/W  | Efficiency | 78.65%             |
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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   | 1.91 | 3.81 | 5.72 | 7.62 | 9.53 | OC   | 1.49 | 2.98 | 4.48 | 5.97 | 7.46 |
| OB   | 1.91 | 3.81 | 5.72 | 7.62 | 9.53 | OD   | 1.49 | 2.98 | 4.48 | 5.97 | 7.46 |

|    | 0       | 5       | 15     | 25     | 35     | 45     | 55     | 65     | 75     | 85     |
|----|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| OA | 1009.72 | 1005.83 | 974.67 | 914.94 | 827.95 | 720.18 | 598.13 | 470.02 | 346.24 | 235.01 |
| OB | 1009.72 | 1005.83 | 974.67 | 914.94 | 827.95 | 720.18 | 598.13 | 470.02 | 346.24 | 235.01 |
| OC | 1009.72 | 1004.96 | 967.74 | 897.19 | 795.92 | 669.54 | 523.26 | 359.66 | 186.97 | 37.65  |
| OD | 1009.72 | 1004.96 | 967.74 | 897.19 | 795.92 | 669.54 | 523.26 | 359.66 | 186.97 | 37.65  |



| H[m] | D[m]  | Max lux | Med lux | Alpha=62.3°+62.3° | G=0.0 |  |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 3.81  | 1010    | 209     |                   |       |  |
| 2.00 | 7.62  | 252     | 52      |                   |       |  |
| 3.00 | 11.44 | 112     | 23      |                   |       |  |
| 4.00 | 15.25 | 63      | 13      |                   |       |  |
| 5.00 | 19.06 | 40      | 8       |                   |       |  |

| H[m] | D[m]  | Max lux | Med lux | Beta=56.2°+56.2° | G=0.0 |  |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 2.98  | 1010    | 209     |                  |       |  |
| 2.00 | 5.97  | 252     | 52      |                  |       |  |
| 3.00 | 8.95  | 112     | 23      |                  |       |  |
| 4.00 | 11.94 | 63      | 13      |                  |       |  |
| 5.00 | 14.92 | 40      | 8       |                  |       |  |

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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3404 lm | Luminaire Power | 26.3 W        | Efficacy | 129.279 lm/W  | Efficiency | 78.65%             |
| Source Flux    | 4328 lm | Maximum value   | 233.30 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       | 21.6         | 22.9 | 22.0 | 23.3 | 23.6 | 22.4           | 23.7 | 22.7 | 24.0 | 24.4 |
| x=2H y=3H       | 23.2         | 24.4 | 23.6 | 24.8 | 25.2 | 23.8           | 25.0 | 24.2 | 25.4 | 25.8 |
| x=2H y=4H       | 23.9         | 25.0 | 24.3 | 25.4 | 25.8 | 24.3           | 25.5 | 24.8 | 25.9 | 26.3 |
| x=2H y=6H       | 24.5         | 25.6 | 25.0 | 26.0 | 26.5 | 24.7           | 25.7 | 25.1 | 26.1 | 26.6 |
| x=2H y=8H       | 24.8         | 25.9 | 25.3 | 26.3 | 26.7 | 24.8           | 25.8 | 25.2 | 26.2 | 26.7 |
| x=2H y=12H      | 25.1         | 26.1 | 25.6 | 26.5 | 27.0 | 24.8           | 25.7 | 25.3 | 26.2 | 26.7 |
| x=4H y=2H       | 22.2         | 23.3 | 22.7 | 23.7 | 24.2 | 22.8           | 23.9 | 23.2 | 24.3 | 24.7 |
| x=4H y=3H       | 24.0         | 25.0 | 24.5 | 25.4 | 25.9 | 24.4           | 25.4 | 24.9 | 25.8 | 26.3 |
| x=4H y=4H       | 24.9         | 25.7 | 25.3 | 26.2 | 26.7 | 25.1           | 25.9 | 25.5 | 26.4 | 26.9 |
| x=4H y=6H       | 25.7         | 26.4 | 26.2 | 26.9 | 27.4 | 25.5           | 26.3 | 26.0 | 26.8 | 27.3 |
| x=4H y=8H       | 26.0         | 26.7 | 26.6 | 27.2 | 27.8 | 25.6           | 26.3 | 26.1 | 26.8 | 27.4 |
| x=4H y=12H      | 26.4         | 27.0 | 26.9 | 27.5 | 28.1 | 25.7           | 26.3 | 26.2 | 26.9 | 27.4 |
| x=8H y=4H       | 25.1         | 25.8 | 25.7 | 26.3 | 26.9 | 25.3           | 26.0 | 25.8 | 26.5 | 27.1 |
| x=8H y=6H       | 26.1         | 26.7 | 26.7 | 27.2 | 27.8 | 25.9           | 26.5 | 26.4 | 27.0 | 27.6 |
| x=8H y=8H       | 26.6         | 27.1 | 27.2 | 27.7 | 28.3 | 26.1           | 26.6 | 26.6 | 27.1 | 27.7 |
| x=8H y=12H      | 27.1         | 27.5 | 27.7 | 28.1 | 28.7 | 26.2           | 26.6 | 26.8 | 27.2 | 27.8 |
| x=12H y=4H      | 25.1         | 25.8 | 25.7 | 26.3 | 26.9 | 25.3           | 26.0 | 25.9 | 26.5 | 27.1 |
| x=12H y=6H      | 26.2         | 26.7 | 26.7 | 27.2 | 27.8 | 25.9           | 26.5 | 26.5 | 27.0 | 27.6 |
| x=12H y=8H      | 26.7         | 27.2 | 27.3 | 27.8 | 28.4 | 26.2           | 26.6 | 26.8 | 27.2 | 27.8 |

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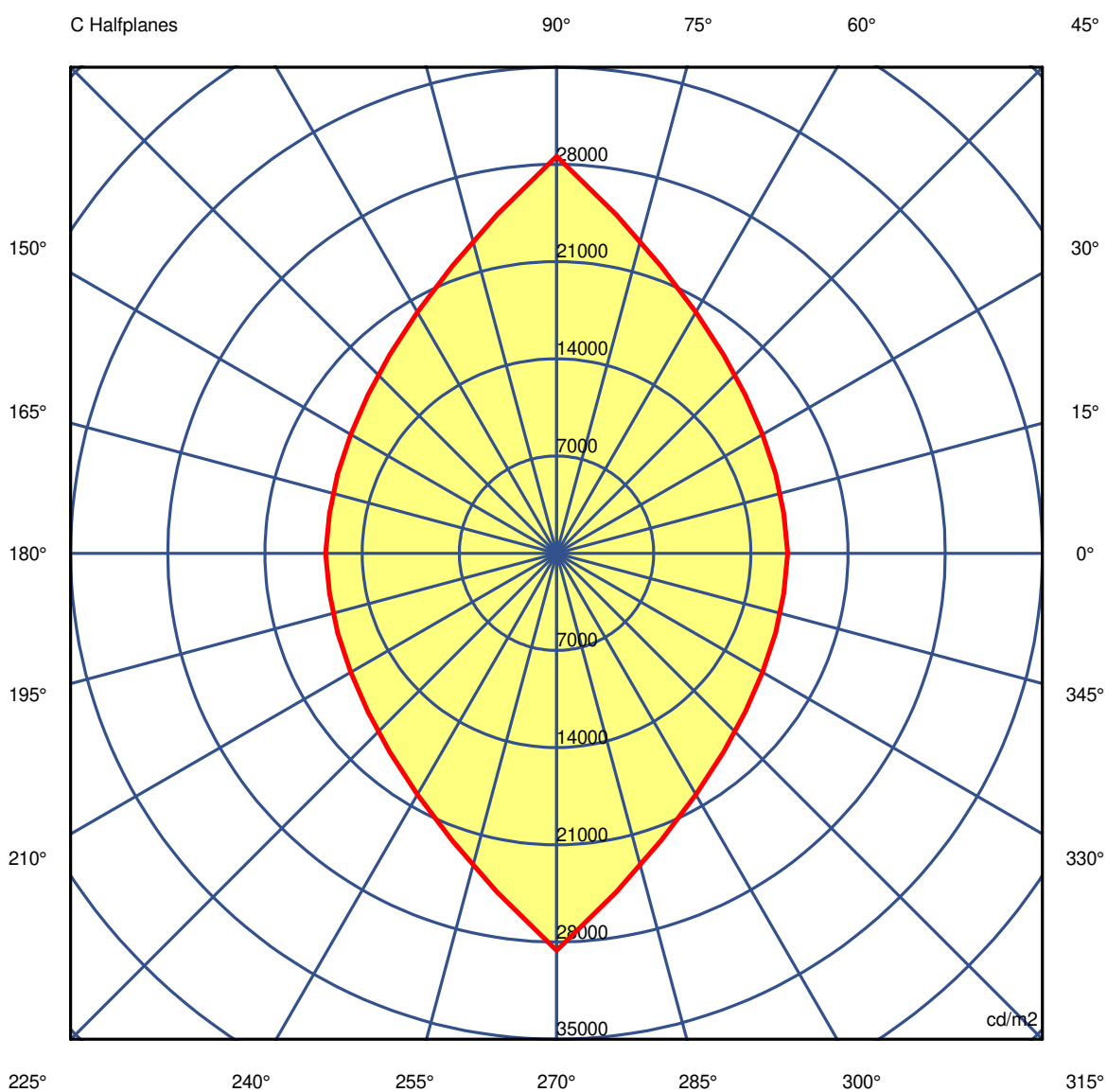
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|                |         |                 |               |          |               |                       |        |
|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 3404 lm | Luminaire Power | 26.3 W        | Efficacy | 129.279 lm/W  | Efficiency            | 78.65% |
| Source Flux    | 4328 lm | Maximum value   | 233.30 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



45.0°

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|                           |         |         |                 |         |               |         |          |         |               |         |            |          |                    |  |
|---------------------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux            | 3404 lm |         | Luminaire Power |         | 26.3 W        |         | Efficacy |         | 129.279 lm/W  |         | Efficiency |          | 78.65%             |  |
| Source Flux               | 4328 lm |         | Maximum value   |         | 233.30 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                     | 32997   | 32997   | 32997           | 32997   | 32997         | 32997   | 32997    | 32997   | 32997         | 32997   | 32997      | 32997    | 32997              |  |
| G 5.0                     | 30341   | 30344   | 30420           | 30570   | 30782         | 31064   | 31413    | 31816   | 32261         | 32733   | 32261      | 31816    | 31413              |  |
| G 10.0                    | 28044   | 28049   | 28180           | 28429   | 28790         | 29282   | 29908    | 30646   | 31487         | 32422   | 31487      | 30646    | 29908              |  |
| G 15.0                    | 26007   | 26012   | 26178           | 26494   | 26976         | 27630   | 28462    | 29475   | 30671         | 32040   | 30671      | 29475    | 28462              |  |
| G 20.0                    | 24189   | 24173   | 24355           | 24726   | 25278         | 26042   | 27044    | 28294   | 29815         | 31616   | 29815      | 28294    | 27044              |  |
| G 25.0                    | 22499   | 22480   | 22670           | 23065   | 23671         | 24526   | 25662    | 27105   | 28933         | 31164   | 28933      | 27105    | 25662              |  |
| G 30.0                    | 20925   | 20902   | 21096           | 21503   | 22138         | 23052   | 24298    | 25919   | 28002         | 30631   | 28002      | 25919    | 24298              |  |
| G 35.0                    | 19427   | 19409   | 19601           | 20002   | 20650         | 21598   | 22908    | 24666   | 26996         | 30035   | 26996      | 24666    | 22908              |  |
| G 40.0                    | 18001   | 17979   | 18160           | 18548   | 19198         | 20155   | 21498    | 23366   | 25913         | 29340   | 25913      | 23366    | 21498              |  |
| G 45.0                    | 16642   | 16620   | 16776           | 17119   | 17738         | 18687   | 20056    | 22008   | 24757         | 28606   | 24757      | 22008    | 20056              |  |
| G 50.0                    | 15320   | 15267   | 15413           | 15746   | 16307         | 17195   | 18544    | 20535   | 23453         | 27731   | 23453      | 20535    | 18544              |  |
| G 55.0                    | 14035   | 13989   | 14101           | 14365   | 14863         | 15685   | 16968    | 18941   | 21981         | 26698   | 21981      | 18941    | 16968              |  |
| G 60.0                    | 12798   | 12722   | 12799           | 13006   | 13407         | 14112   | 15278    | 17159   | 20245         | 25376   | 20245      | 17159    | 15278              |  |
| G 65.0                    | 11558   | 11487   | 11529           | 11660   | 11958         | 12506   | 13468    | 15166   | 18194         | 23665   | 18194      | 15166    | 13468              |  |
| G 70.0                    | 10384   | 10289   | 10285           | 10328   | 10481         | 10839   | 11546    | 12885   | 15632         | 21311   | 15632      | 12885    | 11546              |  |
| G 75.0                    | 9239    | 9133    | 9090            | 9049    | 9057          | 9188    | 9550     | 10398   | 12608         | 18091   | 12608      | 10398    | 9550               |  |
| G 80.0                    | 8131    | 8022    | 7939            | 7809    | 7674          | 7567    | 7536     | 7743    | 9030          | 13470   | 9030       | 7743     | 7536               |  |
| G 85.0                    | 7089    | 6974    | 6846            | 6625    | 6360          | 6053    | 5673     | 5238    | 5304          | 7301    | 5304       | 5238     | 5673               |  |
| G 90.0                    | 6124    | 5983    | 5824            | 5552    | 5180          | 4703    | 4064     | 3173    | 2392          | 2077    | 2392       | 3173     | 4064               |  |

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|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Luminaire Flux  | 3404 lm  |          | Luminaire Power |          | 26.3 W        |          | Efficacy |          | 129.279 lm/W  |          | Efficiency |          | 78.65%             |  |
| Source Flux     | 4328 lm  |          | Maximum value   |          | 233.30 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           | 32997    | 32997    | 32997           | 32997    | 32997         | 32997    | 32997    | 32997    | 32997         | 32997    | 32997      | 32997    | 32997              |  |
| G 5.0           | 31064    | 30782    | 30570           | 30420    | 30344         | 30341    | 30344    | 30420    | 30570         | 30782    | 31064      | 31413    | 31816              |  |
| G 10.0          | 29282    | 28790    | 28429           | 28180    | 28049         | 28044    | 28049    | 28180    | 28429         | 28790    | 29282      | 29908    | 30646              |  |
| G 15.0          | 27630    | 26976    | 26494           | 26178    | 26012         | 26007    | 26012    | 26178    | 26494         | 26976    | 27630      | 28462    | 29475              |  |
| G 20.0          | 26042    | 25278    | 24726           | 24355    | 24173         | 24189    | 24173    | 24355    | 24726         | 25278    | 26042      | 27044    | 28294              |  |
| G 25.0          | 24526    | 23671    | 23065           | 22670    | 22480         | 22499    | 22480    | 22670    | 23065         | 23671    | 24526      | 25662    | 27105              |  |
| G 30.0          | 23052    | 22138    | 21503           | 21096    | 20902         | 20925    | 20902    | 21096    | 21503         | 22138    | 23052      | 24298    | 25919              |  |
| G 35.0          | 21598    | 20650    | 20002           | 19601    | 19409         | 19427    | 19409    | 19601    | 20002         | 20650    | 21598      | 22908    | 24666              |  |
| G 40.0          | 20155    | 19198    | 18548           | 18160    | 17979         | 18001    | 17979    | 18160    | 18548         | 19198    | 20155      | 21498    | 23366              |  |
| G 45.0          | 18687    | 17738    | 17119           | 16776    | 16620         | 16642    | 16620    | 16776    | 17119         | 17738    | 18687      | 20056    | 22008              |  |
| G 50.0          | 17195    | 16307    | 15746           | 15413    | 15267         | 15320    | 15267    | 15413    | 15746         | 16307    | 17195      | 18544    | 20535              |  |
| G 55.0          | 15685    | 14863    | 14365           | 14101    | 13989         | 14035    | 13989    | 14101    | 14365         | 14863    | 15685      | 16968    | 18941              |  |
| G 60.0          | 14112    | 13407    | 13006           | 12799    | 12722         | 12798    | 12722    | 12799    | 13006         | 13407    | 14112      | 15278    | 17159              |  |
| G 65.0          | 12506    | 11958    | 11660           | 11529    | 11487         | 11558    | 11487    | 11529    | 11660         | 11958    | 12506      | 13468    | 15166              |  |
| G 70.0          | 10839    | 10481    | 10328           | 10285    | 10289         | 10384    | 10289    | 10285    | 10328         | 10481    | 10839      | 11546    | 12885              |  |
| G 75.0          | 9188     | 9057     | 9049            | 9090     | 9133          | 9239     | 9133     | 9090     | 9049          | 9057     | 9188       | 9550     | 10398              |  |
| G 80.0          | 7567     | 7674     | 7809            | 7939     | 8022          | 8131     | 8022     | 7939     | 7809          | 7674     | 7567       | 7536     | 7743               |  |
| G 85.0          | 6053     | 6360     | 6625            | 6846     | 6974          | 7089     | 6974     | 6846     | 6625          | 6360     | 6053       | 5673     | 5238               |  |
| G 90.0          | 4703     | 5180     | 5552            | 5824     | 5983          | 6124     | 5983     | 5824     | 5552          | 5180     | 4703       | 4064     | 3173               |  |

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| Luminaire Flux | 3404 lm | Luminaire Power | 26.3 W        | Efficacy | 129.279 lm/W  | Efficiency | 78.65%             |
| Source Flux    | 4328 lm | Maximum value   | 233.30 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  | 32997    | 32997    | 32997    | 32997    | 32997    | 32997    | 32997    | 32997    | 32997    | 32997    |
| G 5.0  | 32261    | 32733    | 32261    | 31816    | 31413    | 31064    | 30782    | 30570    | 30420    | 30344    |
| G 10.0 | 31487    | 32422    | 31487    | 30646    | 29908    | 29282    | 28790    | 28429    | 28180    | 28049    |
| G 15.0 | 30671    | 32040    | 30671    | 29475    | 28462    | 27630    | 26976    | 26494    | 26178    | 26012    |
| G 20.0 | 29815    | 31616    | 29815    | 28294    | 27044    | 26042    | 25278    | 24726    | 24355    | 24173    |
| G 25.0 | 28933    | 31164    | 28933    | 27105    | 25662    | 24526    | 23671    | 23065    | 22670    | 22480    |
| G 30.0 | 28002    | 30631    | 28002    | 25919    | 24298    | 23052    | 22138    | 21503    | 21096    | 20902    |
| G 35.0 | 26996    | 30035    | 26996    | 24666    | 22908    | 21598    | 20650    | 20002    | 19601    | 19409    |
| G 40.0 | 25913    | 29340    | 25913    | 23366    | 21498    | 20155    | 19198    | 18548    | 18160    | 17979    |
| G 45.0 | 24757    | 28606    | 24757    | 22008    | 20056    | 18687    | 17738    | 17119    | 16776    | 16620    |
| G 50.0 | 23453    | 27731    | 23453    | 20535    | 18544    | 17195    | 16307    | 15746    | 15413    | 15267    |
| G 55.0 | 21981    | 26698    | 21981    | 18941    | 16968    | 15685    | 14863    | 14365    | 14101    | 13989    |
| G 60.0 | 20245    | 25376    | 20245    | 17159    | 15278    | 14112    | 13407    | 13006    | 12799    | 12722    |
| G 65.0 | 18194    | 23665    | 18194    | 15166    | 13468    | 12506    | 11958    | 11660    | 11529    | 11487    |
| G 70.0 | 15632    | 21311    | 15632    | 12885    | 11546    | 10839    | 10481    | 10328    | 10285    | 10289    |
| G 75.0 | 12608    | 18091    | 12608    | 10398    | 9550     | 9188     | 9057     | 9049     | 9090     | 9133     |
| G 80.0 | 9030     | 13470    | 9030     | 7743     | 7536     | 7567     | 7674     | 7809     | 7939     | 8022     |
| G 85.0 | 5304     | 7301     | 5304     | 5238     | 5673     | 6053     | 6360     | 6625     | 6846     | 6974     |
| G 90.0 | 2392     | 2077     | 2392     | 3173     | 4064     | 4703     | 5180     | 5552     | 5824     | 5983     |