

**Luminaire**

Code 90709L020-98

Name CONCEPT LINEA 35 / E L2810 BFLEX 830 MID/END

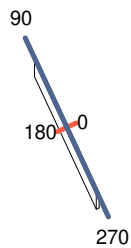
**Measurement**

Code 31/7/2023

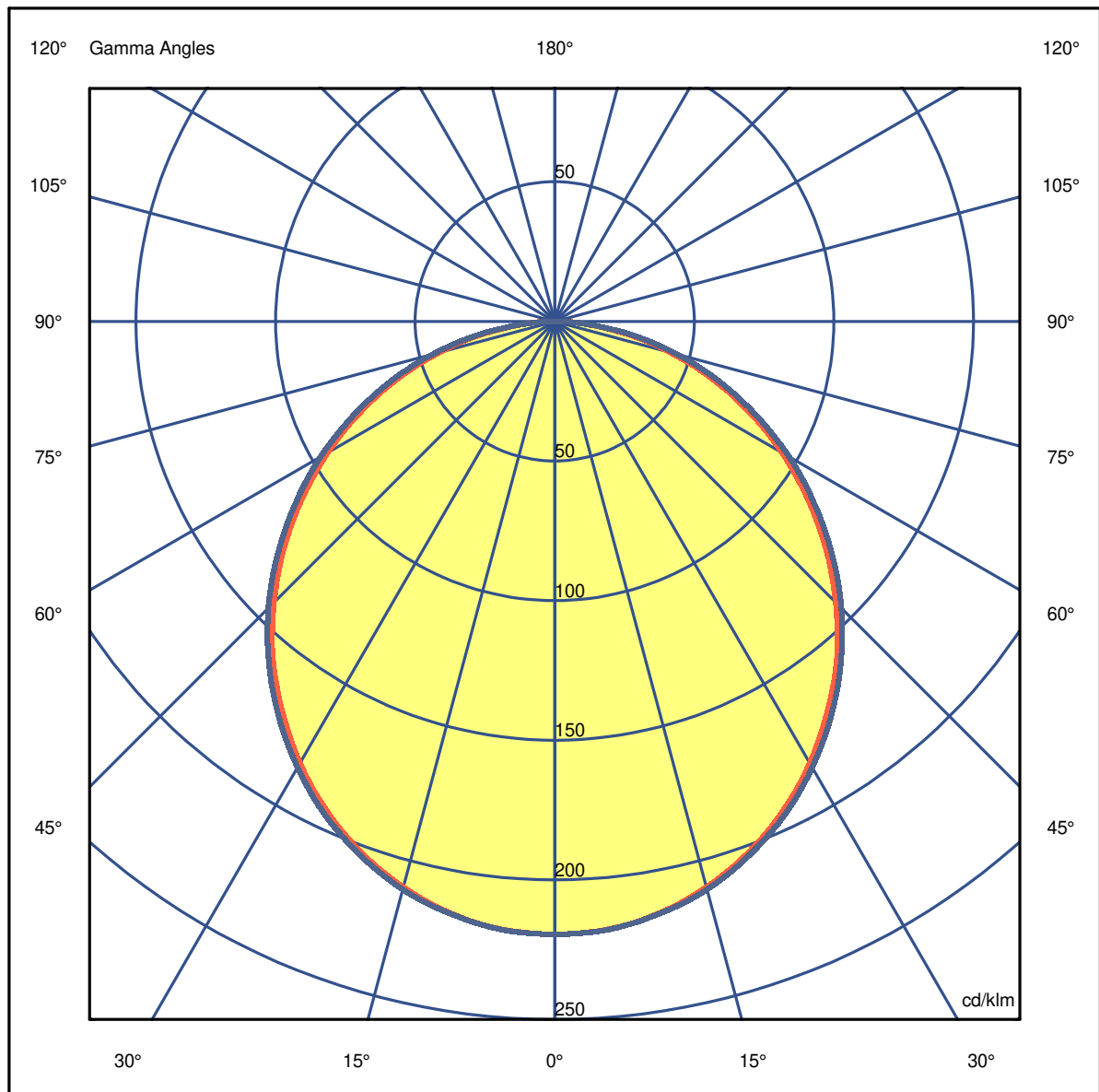
Name CONCEPT LINEA 35 / E L2810 BFLEX 830 MID/END

|                |          |                 |               |          |               |            |                    |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 7961 lm  | Luminaire Power | 83.1 W        | Efficacy | 95.789 lm/W   | Efficiency | 62.59%             |
| Source Flux    | 12720 lm | Maximum value   | 219.50 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

2810mm x 58mm



C Halfplanes



## Luminaire

Code 90709L020-98

|      |   |
|------|---|
| Code | 30709LE020-98                               |
| Name | CONCEPT LINEA 35 /E L2810 BFLEX 830 MID/END |

**Measur.**

Code 31/7/2023

Name CONCEPT LINEA 35 /E L2810 BFLEX 830 MID/END

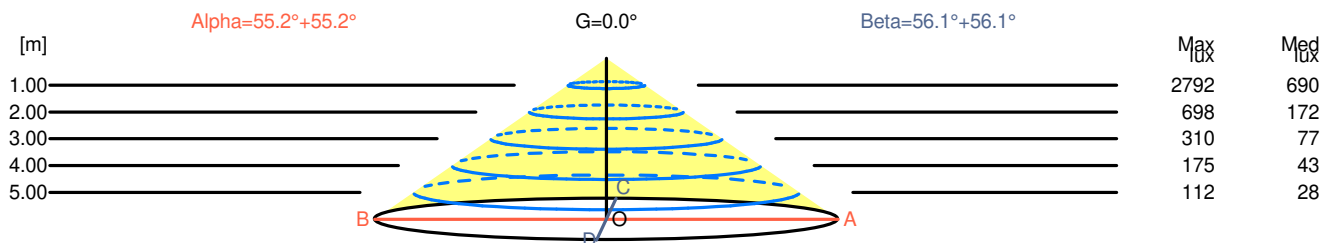
|                |          |                 |               |          |               |            |                    |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 7961 lm  | Luminaire Power | 83.1 W        | Efficacy | 95.789 lm/W   | Efficiency | 62.59%             |
| Source Flux    | 12720 lm | Maximum value   | 219.50 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |


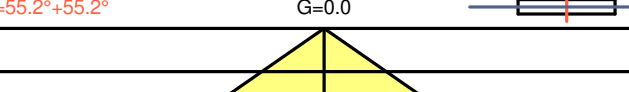
Width at 50.00 % of Max Intensity


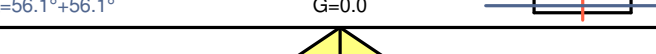
|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| OA   | 1.44 | 2.88 | 4.32 | 5.76 | 7.20 | OC   | 1.49 | 2.98 | 4.47 | 5.96 | 7.45 |
| OB   | 1.44 | 2.88 | 4.32 | 5.76 | 7.20 | OD   | 1.49 | 2.98 | 4.47 | 5.96 | 7.45 |

Luminous Intensities [ cd/klm]

|    | 0       | 5       | 15      | 25      | 35      | 45      | 55      | 65      | 75     | 85     |
|----|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| OA | 2792.04 | 2779.32 | 2667.38 | 2460.05 | 2166.22 | 1810.06 | 1405.56 | 978.17  | 545.69 | 148.82 |
| OB | 2792.04 | 2779.32 | 2667.38 | 2460.05 | 2166.22 | 1810.06 | 1405.56 | 978.17  | 545.69 | 148.82 |
| OC | 2792.04 | 2780.59 | 2678.83 | 2479.13 | 2195.47 | 1846.94 | 1442.45 | 1012.51 | 576.22 | 151.37 |
| OD | 2792.04 | 2780.59 | 2678.83 | 2479.13 | 2195.47 | 1846.94 | 1442.45 | 1012.51 | 576.22 | 151.37 |



| H[m] | D[m]  | Max lux | Med lux | Alpha=55.2°+55.2°  | G=0.0 |  |
|------|-------|---------|---------|--|-------|---|
| 1.00 | 2.88  | 2792    | 690     |  |       |   |
| 2.00 | 5.76  | 698     | 172     |  |       |   |
| 3.00 | 8.64  | 310     | 77      |  |       |   |
| 4.00 | 11.52 | 175     | 43      |  |       |   |
| 5.00 | 14.40 | 112     | 28      |  |       |   |

| H[m] | D[m]  | Max lux | Med lux | Beta=56.1°+56.1°   | G=0.0 |  |
|------|-------|---------|---------|--|-------|---|
| 1.00 | 2.98  | 2792    | 690     |  |       |   |
| 2.00 | 5.96  | 698     | 172     |  |       |   |
| 3.00 | 8.94  | 310     | 77      |  |       |   |
| 4.00 | 11.91 | 175     | 43      |  |       |   |
| 5.00 | 14.89 | 112     | 28      |  |       |   |

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**Measurem.**

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|                |          |                 |               |          |               |            |                    |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 7961 lm  | Luminaire Power | 83.1 W        | Efficacy | 95.789 lm/W   | Efficiency | 62.59%             |
| Source Flux    | 12720 lm | Maximum value   | 219.50 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       | 20.1 | 21.4 | 20.4 | 21.6 | 21.9           | 22.6 | 23.9 | 22.9 | 24.1 | 24.4 |
| x=2H y=3H       | 21.1 | 22.3 | 21.4 | 22.6 | 22.9           | 24.2 | 25.4 | 24.5 | 25.7 | 26.0 |
| x=2H y=4H       | 21.4 | 22.6 | 21.8 | 22.9 | 23.1           | 24.8 | 26.0 | 25.2 | 26.3 | 26.6 |
| x=2H y=6H       | 21.6 | 22.7 | 22.0 | 23.0 | 23.3           | 25.4 | 26.4 | 25.7 | 26.7 | 27.0 |
| x=2H y=8H       | 21.7 | 22.7 | 22.0 | 23.0 | 23.3           | 25.5 | 26.5 | 25.9 | 26.9 | 27.2 |
| x=2H y=12H      | 21.7 | 22.6 | 22.0 | 23.0 | 23.3           | 25.6 | 26.6 | 26.0 | 26.9 | 27.3 |
| x=4H y=2H       | 20.7 | 21.9 | 21.1 | 22.2 | 22.5           | 22.8 | 23.9 | 23.1 | 24.2 | 24.5 |
| x=4H y=3H       | 21.9 | 22.9 | 22.3 | 23.2 | 23.6           | 24.5 | 25.5 | 24.9 | 25.8 | 26.2 |
| x=4H y=4H       | 22.4 | 23.2 | 22.8 | 23.6 | 23.9           | 25.3 | 26.2 | 25.7 | 26.5 | 26.9 |
| x=4H y=6H       | 22.6 | 23.4 | 23.1 | 23.8 | 24.2           | 25.9 | 26.7 | 26.3 | 27.0 | 27.4 |
| x=4H y=8H       | 22.7 | 23.4 | 23.1 | 23.8 | 24.2           | 26.1 | 26.8 | 26.5 | 27.2 | 27.6 |
| x=4H y=12H      | 22.7 | 23.4 | 23.2 | 23.8 | 24.2           | 26.2 | 26.9 | 26.7 | 27.3 | 27.7 |
| x=8H y=4H       | 22.6 | 23.3 | 23.1 | 23.7 | 24.1           | 25.4 | 26.1 | 25.8 | 26.4 | 26.9 |
| x=8H y=6H       | 23.0 | 23.6 | 23.4 | 24.0 | 24.4           | 26.0 | 26.6 | 26.4 | 27.0 | 27.5 |
| x=8H y=8H       | 23.1 | 23.6 | 23.6 | 24.0 | 24.5           | 26.2 | 26.7 | 26.7 | 27.2 | 27.7 |
| x=8H y=12H      | 23.1 | 23.6 | 23.6 | 24.0 | 24.6           | 26.4 | 26.8 | 26.9 | 27.3 | 27.8 |
| x=12H y=4H      | 22.7 | 23.3 | 23.1 | 23.7 | 24.1           | 25.3 | 26.0 | 25.8 | 26.4 | 26.8 |
| x=12H y=6H      | 23.0 | 23.5 | 23.5 | 24.0 | 24.5           | 26.0 | 26.5 | 26.5 | 26.9 | 27.4 |
| x=12H y=8H      | 23.2 | 23.6 | 23.6 | 24.0 | 24.6           | 26.2 | 26.7 | 26.7 | 27.1 | 27.7 |

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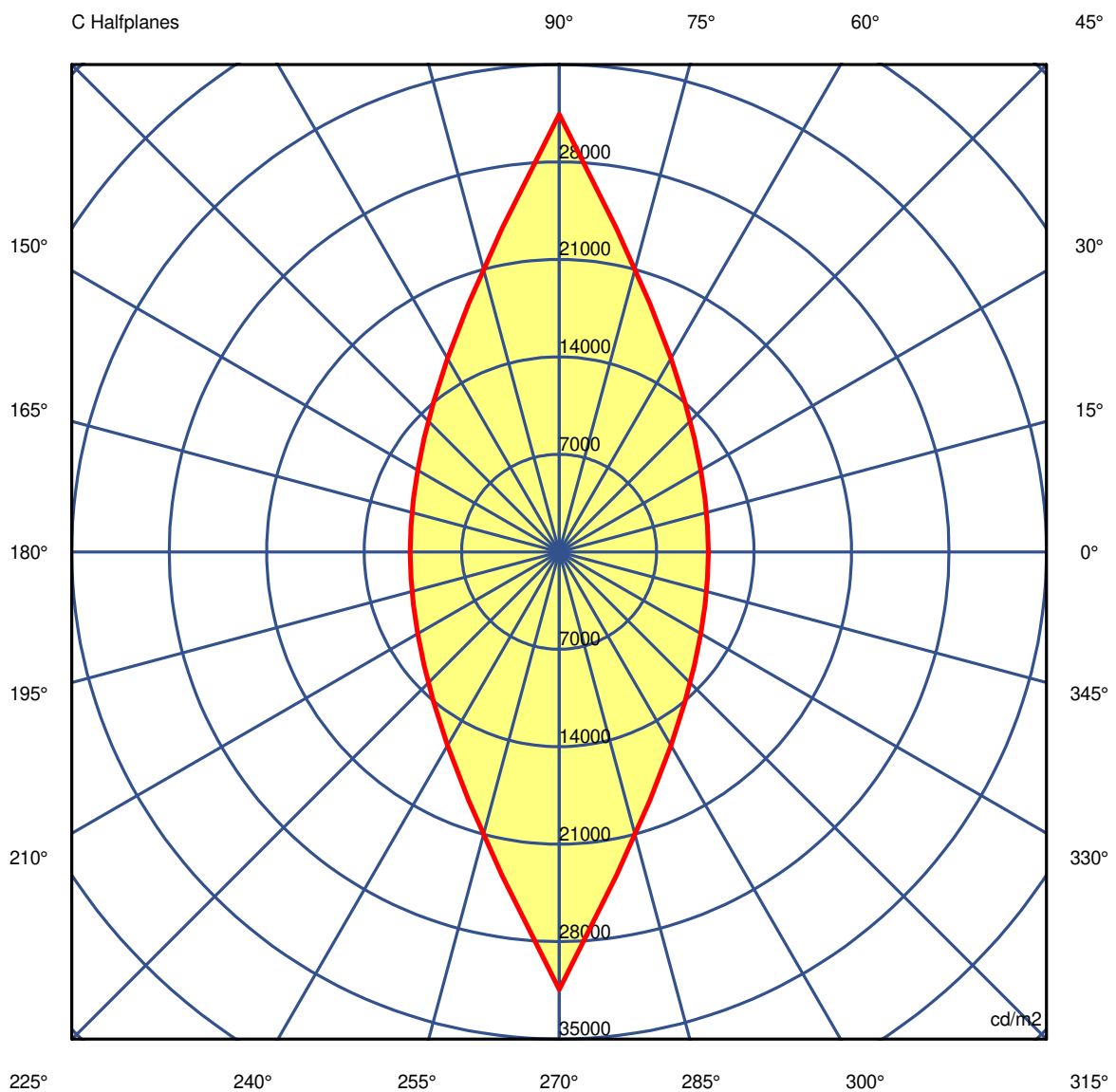
**Measurem.**

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|                |          |                 |               |          |               |            |                    |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 7961 lm  | Luminaire Power | 83.1 W        | Efficacy | 95.789 lm/W   | Efficiency | 62.59%             |
| Source Flux    | 12720 lm | Maximum value   | 219.50 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Luminance



45.0°

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**Measurment.**

Code 31/7/2023

Name CONCEPT LINEA 35 /E L2810 BFLEX 830 MID/END

| Luminaire Flux  | 7961 lm  |         | Luminaire Power |         | 83.1 W        |         | Efficacy |         | 95.789 lm/W   |         | Efficiency |          | 62.59%             |  |
|-----------------|----------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux     | 12720 lm |         | Maximum value   |         | 219.50 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           | 34262    | 34262   | 34262           | 34262   | 34262         | 34262   | 34262    | 34262   | 34262         | 34262   | 34262      | 34262    | 34262              |  |
| G 5.0           | 29288    | 29334   | 29517           | 29830   | 30246         | 30812   | 31526    | 32330   | 33221         | 34193   | 35221      | 36330    | 37526              |  |
| G 10.0          | 25445    | 25512   | 25797           | 26294   | 26981         | 27905   | 29085    | 30500   | 32144         | 34022   | 36144      | 38500    | 41085              |  |
| G 15.0          | 22332    | 22422   | 22773           | 23380   | 24220         | 25380   | 26900    | 28765   | 31054         | 33852   | 37054      | 40765    | 44900              |  |
| G 20.0          | 19754    | 19864   | 20228           | 20863   | 21809         | 23123   | 24861    | 27085   | 29926         | 33560   | 37926      | 42785    | 48161              |  |
| G 25.0          | 17527    | 17639   | 18018           | 18685   | 19666         | 21054   | 22948    | 25445   | 28769         | 33258   | 38769      | 44745    | 51248              |  |
| G 30.0          | 15562    | 15662   | 16043           | 16723   | 17721         | 19143   | 21124    | 23832   | 27567         | 32858   | 39567      | 46832    | 54724              |  |
| G 35.0          | 13797    | 13914   | 14287           | 14944   | 15939         | 17377   | 19404    | 22237   | 26312         | 32437   | 39612      | 47237    | 55404              |  |
| G 40.0          | 12224    | 12298   | 12646           | 13291   | 14256         | 15663   | 17689    | 20605   | 24973         | 31946   | 39773      | 48605    | 57589              |  |
| G 45.0          | 10717    | 10813   | 11141           | 11744   | 12674         | 14043   | 16043    | 19009   | 23617         | 31426   | 39617      | 48509    | 57643              |  |
| G 50.0          | 9327     | 9404    | 9717            | 10288   | 11147         | 12445   | 14394    | 17334   | 22085         | 30742   | 39742      | 48734    | 57994              |  |
| G 55.0          | 8002     | 8085    | 8366            | 8878    | 9680          | 10896   | 12738    | 15613   | 20463         | 30007   | 39463      | 48513    | 57738              |  |
| G 60.0          | 6754     | 6825    | 7073            | 7538    | 8257          | 9365    | 11079    | 13808   | 18667         | 29241   | 38667      | 47808    | 56709              |  |
| G 65.0          | 5525     | 5589    | 5801            | 6196    | 6838          | 7821    | 9354     | 11909   | 16676         | 28195   | 36676      | 45199    | 53544              |  |
| G 70.0          | 4336     | 4385    | 4563            | 4903    | 5432          | 6273    | 7623     | 9889    | 14399         | 27087   | 34399      | 42899    | 51233              |  |
| G 75.0          | 3153     | 3195    | 3343            | 3621    | 4022          | 4679    | 5775     | 7655    | 11672         | 25429   | 31672      | 38555    | 46075              |  |
| G 80.0          | 2008     | 2015    | 2118            | 2320    | 2598          | 3047    | 3815     | 5200    | 8393          | 22775   | 28393      | 34500    | 41815              |  |
| G 85.0          | 908      | 910     | 962             | 1062    | 1197          | 1422    | 1815     | 2516    | 4283          | 17358   | 22832      | 28162    | 34815              |  |
| G 90.0          | 267      | 194     | 201             | 260     | 263           | 314     | 461      | 585     | 997           | 17232   | 997        | 585      | 461                |  |

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|                 |          |          |                 |          |               |          |          |          |               |          |            |          |                    |  |
|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Luminaire Flux  | 7961 lm  |          | Luminaire Power |          | 83.1 W        |          | Efficacy |          | 95.789 lm/W   |          | Efficiency |          | 62.59%             |  |
| Source Flux     | 12720 lm |          | Maximum value   |          | 219.50 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           | 34262    | 34262    | 34262           | 34262    | 34262         | 34262    | 34262    | 34262    | 34262         | 34262    | 34262      | 34262    | 34262              |  |
| G 5.0           | 30812    | 30246    | 29830           | 29517    | 29334         | 29288    | 29334    | 29517    | 29830         | 30246    | 30812      | 31526    | 32330              |  |
| G 10.0          | 27905    | 26981    | 26294           | 25797    | 25512         | 25445    | 25512    | 25797    | 26294         | 26981    | 27905      | 29085    | 30500              |  |
| G 15.0          | 25380    | 24220    | 23380           | 22773    | 22422         | 22332    | 22422    | 22773    | 23380         | 24220    | 25380      | 26900    | 28765              |  |
| G 20.0          | 23123    | 21809    | 20863           | 20228    | 19864         | 19754    | 19864    | 20228    | 20863         | 21809    | 23123      | 24861    | 27085              |  |
| G 25.0          | 21054    | 19666    | 18685           | 18018    | 17639         | 17527    | 17639    | 18018    | 18685         | 19666    | 21054      | 22948    | 25445              |  |
| G 30.0          | 19143    | 17721    | 16723           | 16043    | 15662         | 15562    | 15662    | 16043    | 16723         | 17721    | 19143      | 21124    | 23832              |  |
| G 35.0          | 17377    | 15939    | 14944           | 14287    | 13914         | 13797    | 13914    | 14287    | 14944         | 15939    | 17377      | 19404    | 22237              |  |
| G 40.0          | 15663    | 14256    | 13291           | 12646    | 12298         | 12224    | 12298    | 12646    | 13291         | 14256    | 15663      | 17689    | 20605              |  |
| G 45.0          | 14043    | 12674    | 11744           | 11141    | 10813         | 10717    | 10813    | 11141    | 11744         | 12674    | 14043      | 16043    | 19009              |  |
| G 50.0          | 12445    | 11147    | 10288           | 9717     | 9404          | 9327     | 9404     | 9717     | 10288         | 11147    | 12445      | 14394    | 17334              |  |
| G 55.0          | 10896    | 9680     | 8878            | 8366     | 8085          | 8002     | 8085     | 8366     | 8878          | 9680     | 10896      | 12738    | 15613              |  |
| G 60.0          | 9365     | 8257     | 7538            | 7073     | 6825          | 6754     | 6825     | 7073     | 7538          | 8257     | 9365       | 11079    | 13808              |  |
| G 65.0          | 7821     | 6838     | 6196            | 5801     | 5589          | 5525     | 5589     | 5801     | 6196          | 6838     | 7821       | 9354     | 11909              |  |
| G 70.0          | 6273     | 5432     | 4903            | 4563     | 4385          | 4336     | 4385     | 4563     | 4903          | 5432     | 6273       | 7623     | 9889               |  |
| G 75.0          | 4679     | 4022     | 3621            | 3343     | 3195          | 3153     | 3195     | 3343     | 3621          | 4022     | 4679       | 5775     | 7655               |  |
| G 80.0          | 3047     | 2598     | 2320            | 2118     | 2015          | 2008     | 2015     | 2118     | 2320          | 2598     | 3047       | 3815     | 5200               |  |
| G 85.0          | 1422     | 1197     | 1062            | 962      | 910           | 908      | 910      | 962      | 1062          | 1197     | 1422       | 1815     | 2516               |  |
| G 90.0          | 314      | 263      | 260             | 201      | 194           | 267      | 194      | 201      | 260           | 263      | 314        | 461      | 585                |  |

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|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 7961 lm  | Luminaire Power | 83.1 W        | Efficacy | 95.789 lm/W   | Efficiency | 62.59%             |
| Source Flux    | 12720 lm | Maximum value   | 219.50 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  | 34262    | 34262    | 34262    | 34262    | 34262    | 34262    | 34262    | 34262    | 34262    | 34262    |
| G 5.0  | 33221    | 34193    | 33221    | 32330    | 31526    | 30812    | 30246    | 29830    | 29517    | 29334    |
| G 10.0 | 32144    | 34022    | 32144    | 30500    | 29085    | 27905    | 26981    | 26294    | 25797    | 25512    |
| G 15.0 | 31054    | 33852    | 31054    | 28765    | 26900    | 25380    | 24220    | 23380    | 22773    | 22422    |
| G 20.0 | 29926    | 33560    | 29926    | 27085    | 24861    | 23123    | 21809    | 20863    | 20228    | 19864    |
| G 25.0 | 28769    | 33258    | 28769    | 25445    | 22948    | 21054    | 19666    | 18685    | 18018    | 17639    |
| G 30.0 | 27567    | 32858    | 27567    | 23832    | 21124    | 19143    | 17721    | 16723    | 16043    | 15662    |
| G 35.0 | 26312    | 32437    | 26312    | 22237    | 19404    | 17377    | 15939    | 14944    | 14287    | 13914    |
| G 40.0 | 24973    | 31946    | 24973    | 20605    | 17689    | 15663    | 14256    | 13291    | 12646    | 12298    |
| G 45.0 | 23617    | 31426    | 23617    | 19009    | 16043    | 14043    | 12674    | 11744    | 11141    | 10813    |
| G 50.0 | 22085    | 30742    | 22085    | 17334    | 14394    | 12445    | 11147    | 10288    | 9717     | 9404     |
| G 55.0 | 20463    | 30007    | 20463    | 15613    | 12738    | 10896    | 9680     | 8878     | 8366     | 8085     |
| G 60.0 | 18667    | 29241    | 18667    | 13808    | 11079    | 9365     | 8257     | 7538     | 7073     | 6825     |
| G 65.0 | 16676    | 28195    | 16676    | 11909    | 9354     | 7821     | 6838     | 6196     | 5801     | 5589     |
| G 70.0 | 14399    | 27087    | 14399    | 9889     | 7623     | 6273     | 5432     | 4903     | 4563     | 4385     |
| G 75.0 | 11672    | 25429    | 11672    | 7655     | 5775     | 4679     | 4022     | 3621     | 3343     | 3195     |
| G 80.0 | 8393     | 22775    | 8393     | 5200     | 3815     | 3047     | 2598     | 2320     | 2118     | 2015     |
| G 85.0 | 4283     | 17358    | 4283     | 2516     | 1815     | 1422     | 1197     | 1062     | 962      | 910      |
| G 90.0 | 997      | 17232    | 997      | 585      | 461      | 314      | 263      | 260      | 201      | 194      |