

**Luminaire**

Code 90724Q360  
Name CORA L60W60 3 BOPTICS 840 LO

**Measurem.**

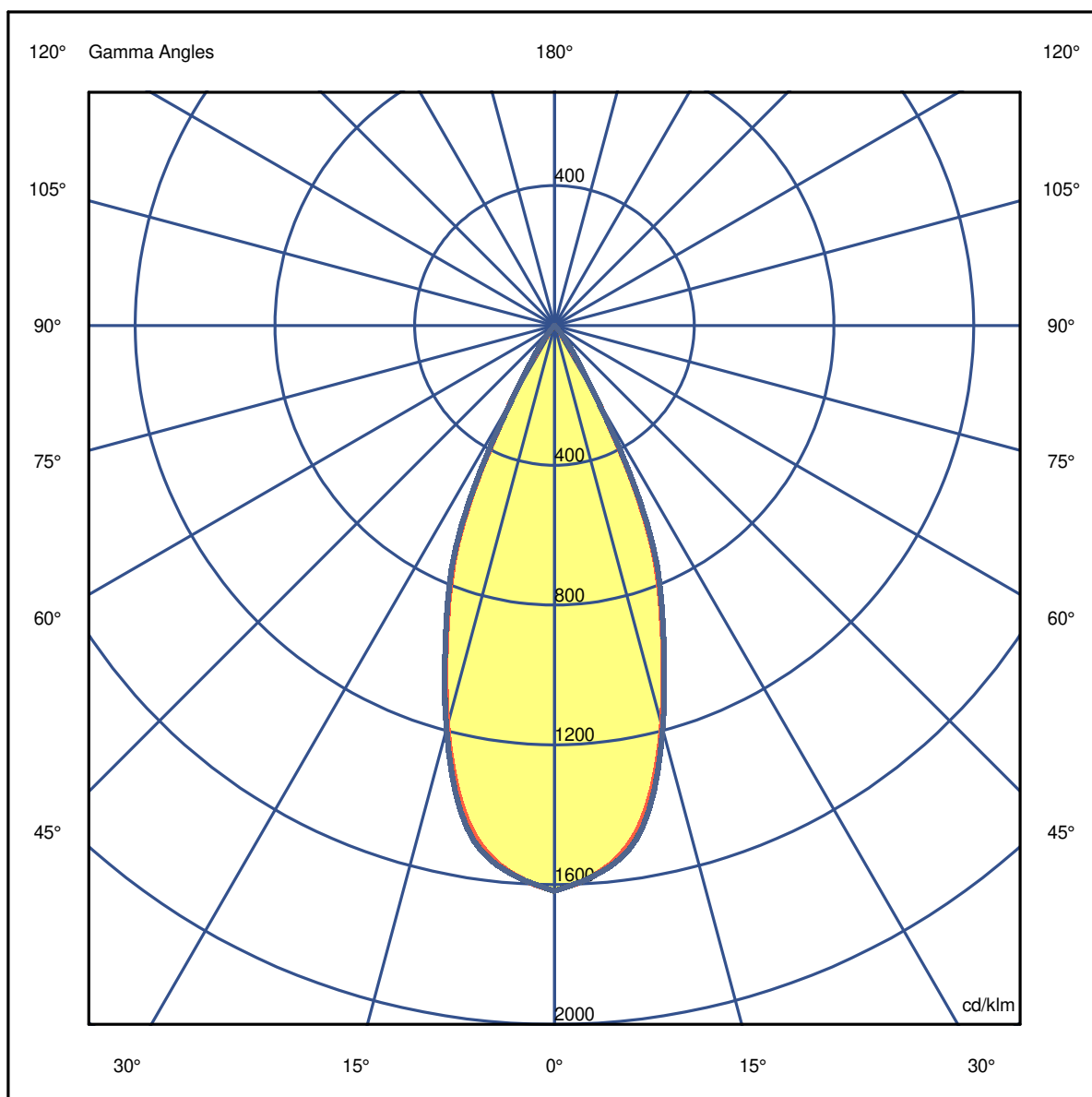
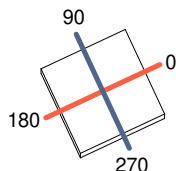
Code 28/7/2023  
Name CORA L60W60 3 BOPTICS 840 LO

|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2359 lm | Luminaire Power | 18.0 W         | Efficacy | 130.957 lm/W  | Efficiency | 81.13%             |
| Source Flux    | 2907 lm | Maximum value   | 1617.80 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

597mm x 597mm

C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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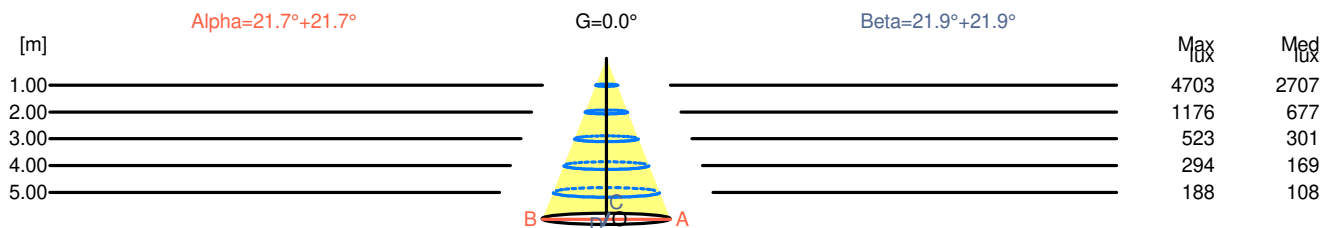
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Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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   | 0.40 | 0.80 | 1.19 | 1.59 | 1.99 | OC   | 0.40 | 0.81 | 1.21 | 1.61 | 2.01 |
| OB   | 0.40 | 0.80 | 1.19 | 1.59 | 1.99 | OD   | 0.40 | 0.81 | 1.21 | 1.61 | 2.01 |

|    | 0       | 5       | 15      | 25      | 35     | 45   | 55   | 65   | 75   | 85   |
|----|---------|---------|---------|---------|--------|------|------|------|------|------|
| OA | 4702.94 | 4550.04 | 3444.21 | 1791.87 | 217.44 | 4.07 | 1.16 | 0.00 | 0.00 | 0.00 |
| OB | 4702.94 | 4550.04 | 3444.21 | 1791.87 | 217.44 | 4.07 | 1.16 | 0.00 | 0.00 | 0.00 |
| OC | 4702.94 | 4557.59 | 3476.77 | 1831.12 | 244.19 | 5.23 | 1.16 | 0.00 | 0.00 | 0.00 |
| OD | 4702.94 | 4557.59 | 3476.77 | 1831.12 | 244.19 | 5.23 | 1.16 | 0.00 | 0.00 | 0.00 |



| H[m] | D[m] | Max lux | Med lux | Alpha=21.7°+21.7° | G=0.0 |  |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 0.80 | 4703    | 2707    |                   |       |  |
| 2.00 | 1.59 | 1176    | 677     |                   |       |  |
| 3.00 | 2.39 | 523     | 301     |                   |       |  |
| 4.00 | 3.19 | 294     | 169     |                   |       |  |
| 5.00 | 3.98 | 188     | 108     |                   |       |  |

| H[m] | D[m] | Max lux | Med lux | Beta=21.9°+21.9° | G=0.0 |  |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 0.81 | 4703    | 2707    |                  |       |  |
| 2.00 | 1.61 | 1176    | 677     |                  |       |  |
| 3.00 | 2.42 | 523     | 301     |                  |       |  |
| 4.00 | 3.22 | 294     | 169     |                  |       |  |
| 5.00 | 4.03 | 188     | 108     |                  |       |  |

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|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2359 lm | Luminaire Power | 18.0 W         | Efficacy | 130.957 lm/W  | Efficiency | 81.13%             |
| Source Flux    | 2907 lm | Maximum value   | 1617.80 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       | < 0          | 0.4 | < 0 | 0.6 | 0.8 | 0.0            | 0.7 | 0.3 | 0.9 | 1.1 |
| x=2H y=3H       | < 0          | 0.2 | < 0 | 0.4 | 0.7 | < 0            | 0.5 | 0.2 | 0.7 | 0.9 |
| x=2H y=4H       | < 0          | 0.1 | < 0 | 0.3 | 0.6 | < 0            | 0.4 | 0.1 | 0.6 | 0.9 |
| x=2H y=6H       | < 0          | < 0 | < 0 | 0.3 | 0.5 | < 0            | 0.3 | 0.1 | 0.5 | 0.8 |
| x=2H y=8H       | < 0          | < 0 | < 0 | 0.2 | 0.5 | < 0            | 0.2 | 0.1 | 0.5 | 0.8 |
| x=2H y=12H      | < 0          | < 0 | < 0 | 0.1 | 0.5 | < 0            | 0.1 | 0.0 | 0.4 | 0.7 |
| x=4H y=2H       | < 0          | 0.1 | < 0 | 0.3 | 0.6 | < 0            | 0.4 | 0.1 | 0.6 | 0.9 |
| x=4H y=3H       | < 0          | < 0 | < 0 | 0.1 | 0.5 | < 0            | 0.1 | 0.0 | 0.4 | 0.7 |
| x=4H y=4H       | < 0          | < 0 | < 0 | 0.0 | 0.4 | < 0            | < 0 | < 0 | 0.3 | 0.7 |
| x=4H y=6H       | < 0          | < 0 | < 0 | < 0 | 0.3 | < 0            | < 0 | < 0 | 0.2 | 0.6 |
| x=4H y=8H       | < 0          | < 0 | < 0 | < 0 | 0.3 | < 0            | < 0 | < 0 | 0.2 | 0.5 |
| x=4H y=12H      | < 0          | < 0 | < 0 | < 0 | 0.2 | < 0            | < 0 | < 0 | 0.1 | 0.5 |
| x=8H y=4H       | < 0          | < 0 | < 0 | < 0 | 0.3 | < 0            | < 0 | < 0 | 0.2 | 0.5 |
| x=8H y=6H       | < 0          | < 0 | < 0 | < 0 | 0.2 | < 0            | < 0 | < 0 | 0.0 | 0.5 |
| x=8H y=8H       | < 0          | < 0 | < 0 | < 0 | 0.2 | < 0            | < 0 | < 0 | < 0 | 0.4 |
| x=8H y=12H      | < 0          | < 0 | < 0 | < 0 | 0.1 | < 0            | < 0 | < 0 | < 0 | 0.4 |
| x=12H y=4H      | < 0          | < 0 | < 0 | < 0 | 0.2 | < 0            | < 0 | < 0 | 0.1 | 0.5 |
| x=12H y=6H      | < 0          | < 0 | < 0 | < 0 | 0.2 | < 0            | < 0 | < 0 | < 0 | 0.4 |
| x=12H y=8H      | < 0          | < 0 | < 0 | < 0 | 0.1 | < 0            | < 0 | < 0 | < 0 | 0.4 |

**Luminaire**

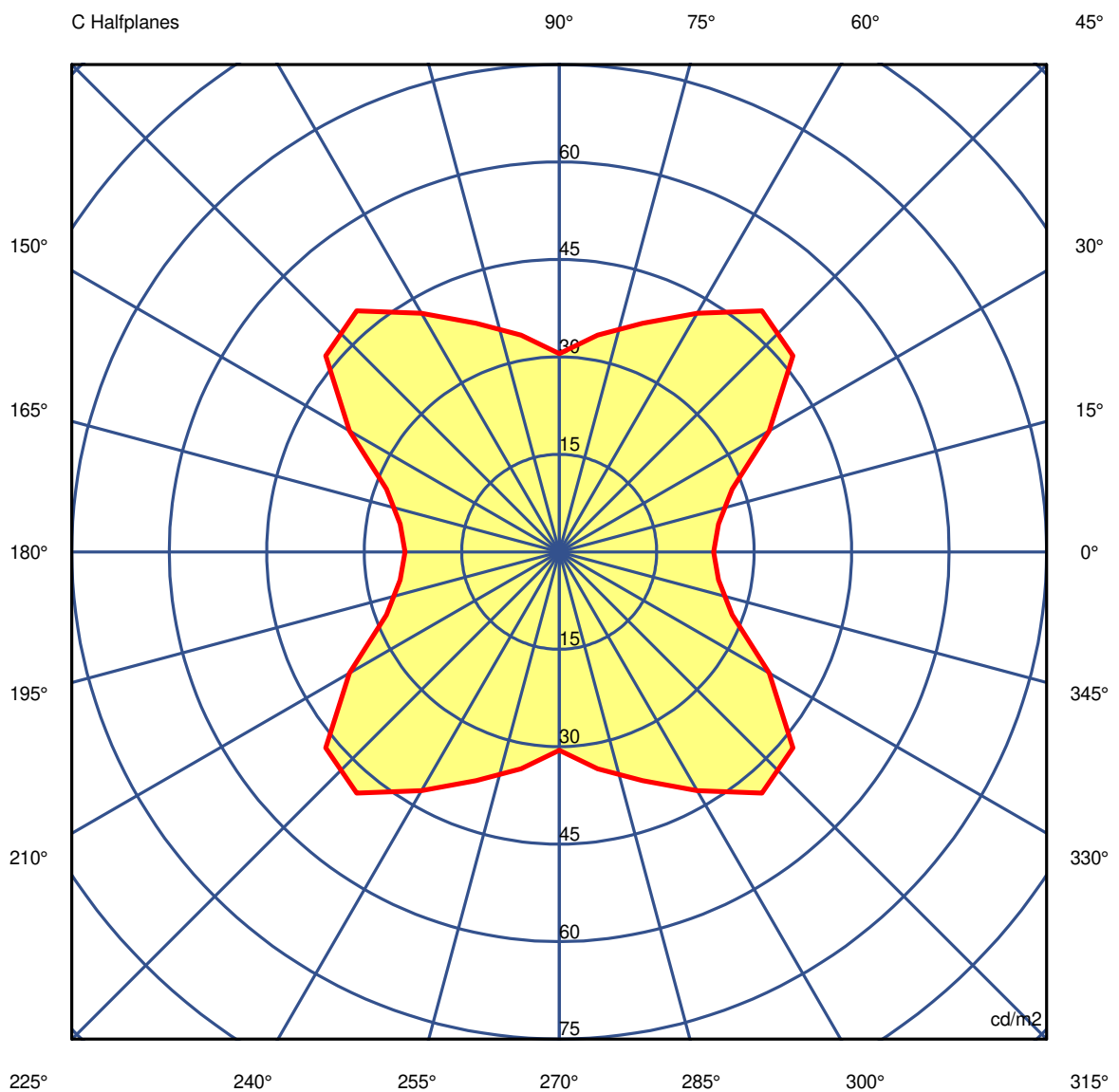
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Code 28/7/2023  
Name CORA L60W60 3 BOPTICS 840 LO

|                |         |                 |                |          |               |                       |        |
|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 2359 lm | Luminaire Power | 18.0 W         | Efficacy | 130.957 lm/W  | Efficiency            | 81.13% |
| Source Flux    | 2907 lm | Maximum value   | 1617.80 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



45.0°

**Luminaire**

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Name CORA L60W60 3 BOPTICS 840 LO

**Measurem.**

Code 28/7/2023

Name CORA L60W60 3 BOPTICS 840 LO

|                           |         |         |                 |         |                |         |          |         |               |         |            |          |                    |  |
|---------------------------|---------|---------|-----------------|---------|----------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux            | 2359 lm |         | Luminaire Power |         | 18.0 W         |         | Efficacy |         | 130.957 lm/W  |         | Efficiency |          | 81.13%             |  |
| Source Flux               | 2907 lm |         | Maximum value   |         | 1617.80 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                     | 19406   | 19406   | 19406           | 19406   | 19406          | 19406   | 19406    | 19406   | 19406         | 19406   | 19406      | 19406    | 19406              |  |
| G 5.0                     | 18847   | 18847   | 18850           | 18856   | 18852          | 18855   | 18866    | 18872   | 18875         | 18878   | 18875      | 18872    | 18866              |  |
| G 10.0                    | 17521   | 17529   | 17546           | 17565   | 17577          | 17604   | 17648    | 17689   | 17715         | 17728   | 17715      | 17689    | 17648              |  |
| G 15.0                    | 14713   | 14672   | 14660           | 14675   | 14692          | 14730   | 14787    | 14835   | 14851         | 14852   | 14851      | 14835    | 14787              |  |
| G 20.0                    | 11459   | 11461   | 11467           | 11478   | 11496          | 11522   | 11554    | 11580   | 11587         | 11574   | 11587      | 11580    | 11554              |  |
| G 25.0                    | 8158    | 8172    | 8187            | 8207    | 8235           | 8251    | 8273     | 8339    | 8368          | 8337    | 8368       | 8339     | 8273               |  |
| G 30.0                    | 3316    | 3328    | 3369            | 3434    | 3421           | 3431    | 3459     | 3393    | 3355          | 3352    | 3355       | 3393     | 3459               |  |
| G 35.0                    | 1095    | 1105    | 1115            | 1130    | 1157           | 1184    | 1207     | 1226    | 1233          | 1230    | 1233       | 1226     | 1207               |  |
| G 40.0                    | 113     | 138     | 173             | 211     | 234            | 243     | 243      | 235     | 220           | 197     | 220        | 235      | 243                |  |
| G 45.0                    | 24      | 25      | 28              | 37      | 47             | 48      | 42       | 37      | 34            | 31      | 34         | 37       | 42                 |  |
| G 50.0                    | 13      | 13      | 14              | 15      | 20             | 23      | 21       | 18      | 16            | 17      | 16         | 18       | 21                 |  |
| G 55.0                    | 8       | 8       | 8               | 8       | 8              | 8       | 8        | 8       | 8             | 8       | 8          | 8        | 8                  |  |
| G 60.0                    | 0       | 0       | 2               | 7       | 9              | 10      | 10       | 9       | 5             | 0       | 5          | 9        | 10                 |  |
| G 65.0                    | 0       | 0       | 0               | 0       | 0              | 0       | 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                  |  |

**Luminaire**

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Name CORA L60W60 3 BOPTICS 840 LO

**Measurement**

Code 28/7/2023

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|                           |          |                 |          |                |          |          |          |               |          |            |          |                    |          |
|---------------------------|----------|-----------------|----------|----------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|----------|
| Luminaire Flux            | 2359 lm  | Luminaire Power |          | 18.0 W         |          | Efficacy |          | 130.957 lm/W  |          | Efficiency |          | 81.13%             |          |
| Source Flux               | 2907 lm  | Maximum value   |          | 1617.80 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                     | 19406    | 19406           | 19406    | 19406          | 19406    | 19406    | 19406    | 19406         | 19406    | 19406      | 19406    | 19406              | 19406    |
| G 5.0                     | 18855    | 18852           | 18856    | 18850          | 18847    | 18847    | 18847    | 18850         | 18856    | 18852      | 18855    | 18866              | 18872    |
| G 10.0                    | 17604    | 17577           | 17565    | 17546          | 17529    | 17521    | 17529    | 17546         | 17565    | 17577      | 17604    | 17648              | 17689    |
| G 15.0                    | 14730    | 14692           | 14675    | 14660          | 14672    | 14713    | 14672    | 14660         | 14675    | 14692      | 14730    | 14787              | 14835    |
| G 20.0                    | 11522    | 11496           | 11478    | 11467          | 11461    | 11459    | 11461    | 11467         | 11478    | 11496      | 11522    | 11554              | 11580    |
| G 25.0                    | 8251     | 8235            | 8207     | 8187           | 8172     | 8158     | 8172     | 8187          | 8207     | 8235       | 8251     | 8273               | 8339     |
| G 30.0                    | 3431     | 3421            | 3434     | 3369           | 3328     | 3316     | 3328     | 3369          | 3434     | 3421       | 3431     | 3459               | 3393     |
| G 35.0                    | 1184     | 1157            | 1130     | 1115           | 1105     | 1095     | 1105     | 1115          | 1130     | 1157       | 1184     | 1207               | 1226     |
| G 40.0                    | 243      | 234             | 211      | 173            | 138      | 113      | 138      | 173           | 211      | 234        | 243      | 243                | 235      |
| G 45.0                    | 48       | 47              | 37       | 28             | 25       | 24       | 25       | 28            | 37       | 47         | 48       | 42                 | 37       |
| G 50.0                    | 23       | 20              | 15       | 14             | 13       | 13       | 13       | 14            | 15       | 20         | 23       | 21                 | 18       |
| G 55.0                    | 8        | 8               | 8        | 8              | 8        | 8        | 8        | 8             | 8        | 8          | 8        | 8                  | 8        |
| G 60.0                    | 10       | 9               | 7        | 2              | 0        | 0        | 0        | 2             | 7        | 9          | 10       | 10                 | 9        |
| G 65.0                    | 0        | 0               | 0        | 0              | 0        | 0        | 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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| Luminaire Flux | 2359 lm | Luminaire Power | 18.0 W         | Efficacy | 130.957 lm/W  | Efficiency | 81.13%             |
| Source Flux    | 2907 lm | Maximum value   | 1617.80 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  | 19406    | 19406    | 19406    | 19406    | 19406    | 19406    | 19406    | 19406    | 19406    | 19406    |
| G 5.0  | 18875    | 18878    | 18875    | 18872    | 18866    | 18855    | 18852    | 18856    | 18850    | 18847    |
| G 10.0 | 17715    | 17728    | 17715    | 17689    | 17648    | 17604    | 17577    | 17565    | 17546    | 17529    |
| G 15.0 | 14851    | 14852    | 14851    | 14835    | 14787    | 14730    | 14692    | 14675    | 14660    | 14672    |
| G 20.0 | 11587    | 11574    | 11587    | 11580    | 11554    | 11522    | 11496    | 11478    | 11467    | 11461    |
| G 25.0 | 8368     | 8337     | 8368     | 8339     | 8273     | 8251     | 8235     | 8207     | 8187     | 8172     |
| G 30.0 | 3355     | 3352     | 3355     | 3393     | 3459     | 3431     | 3421     | 3434     | 3369     | 3328     |
| G 35.0 | 1233     | 1230     | 1233     | 1226     | 1207     | 1184     | 1157     | 1130     | 1115     | 1105     |
| G 40.0 | 220      | 197      | 220      | 235      | 243      | 243      | 234      | 211      | 173      | 138      |
| G 45.0 | 34       | 31       | 34       | 37       | 42       | 48       | 47       | 37       | 28       | 25       |
| G 50.0 | 16       | 17       | 16       | 18       | 21       | 23       | 20       | 15       | 14       | 13       |
| G 55.0 | 8        | 8        | 8        | 8        | 8        | 8        | 8        | 8        | 8        | 8        |
| G 60.0 | 5        | 0        | 5        | 9        | 10       | 10       | 9        | 7        | 2        | 0        |
| G 65.0 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| 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        |