

**Luminaire**

Code 90727L212

Name CORA L12W30 2 BOPTICS 840 HO

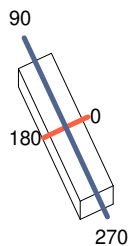
**Measurem.**

Code 28/7/2023

Name CORA L12W30 2 BOPTICS 840 HO

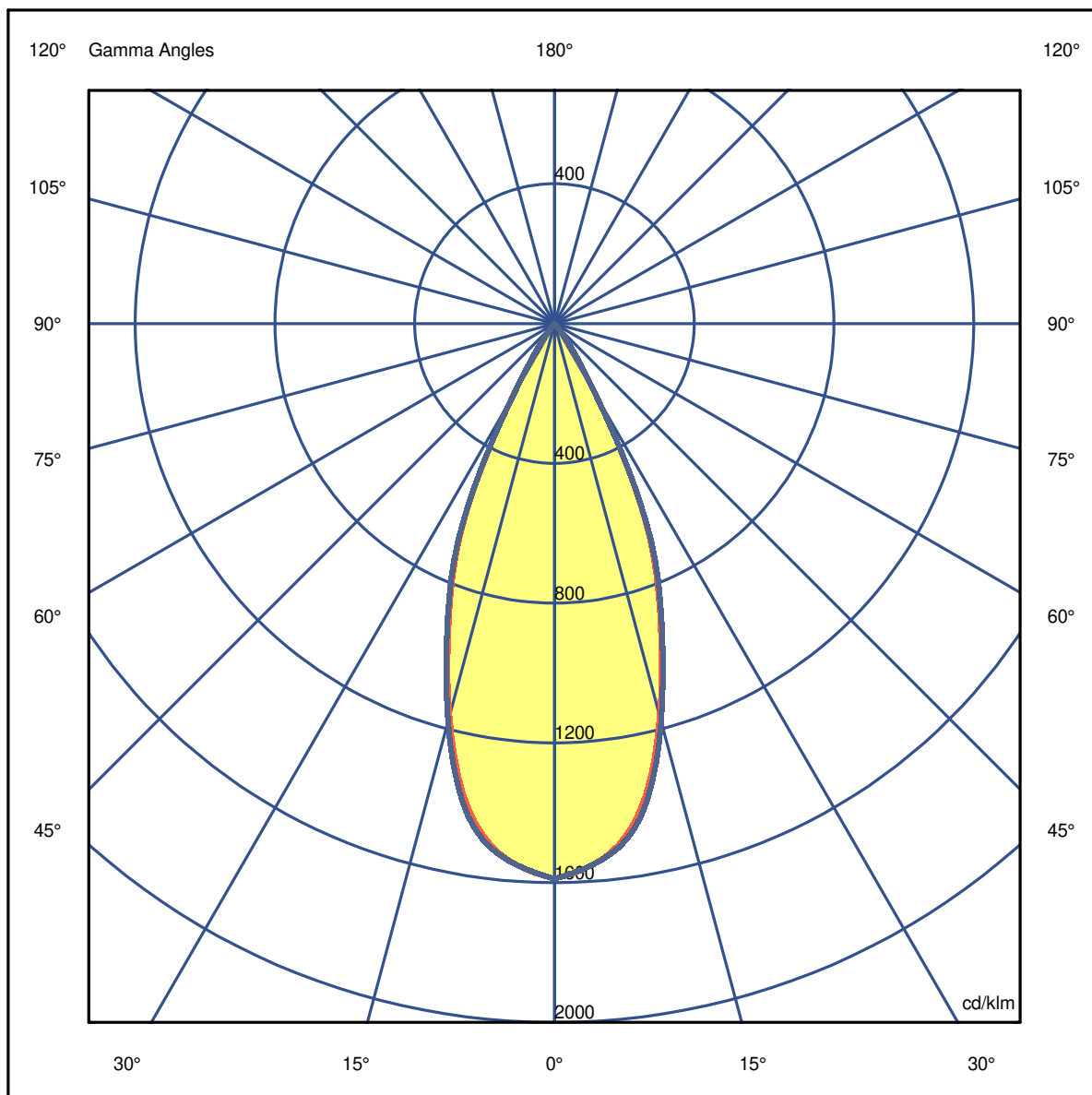
|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 5271 lm | Luminaire Power | 39.3 W         | Efficacy | 134.117 lm/W  | Efficiency | 79.76%             |
| Source Flux    | 6608 lm | Maximum value   | 1588.50 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

1197mm x 297mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0



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**Measurem.**

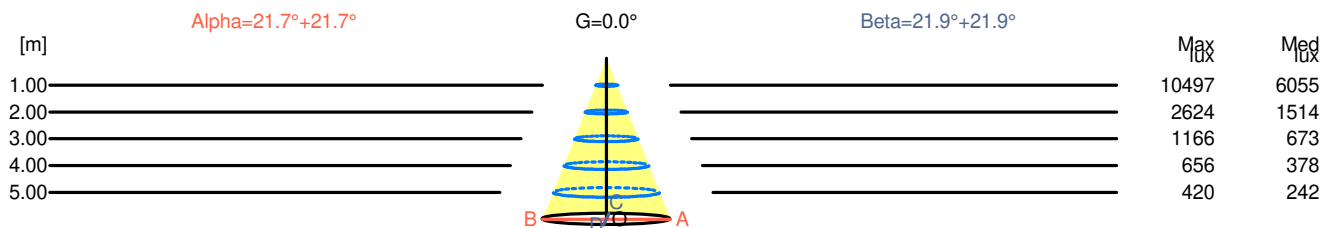
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|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
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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 | 10496.81 | 10174.34 | 7681.14 | 3975.37 | 489.65 | 7.93  | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 10496.81 | 10174.34 | 7681.14 | 3975.37 | 489.65 | 7.93  | 0.00 | 0.00 | 0.00 | 0.00 |
| OC | 10496.81 | 10182.93 | 7784.88 | 4049.38 | 538.55 | 12.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| OD | 10496.81 | 10182.93 | 7784.88 | 4049.38 | 538.55 | 12.56 | 0.00 | 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 | 10497   | 6055    |                   |       |
| 2.00 | 1.59 | 2624    | 1514    |                   |       |
| 3.00 | 2.39 | 1166    | 673     |                   |       |
| 4.00 | 3.18 | 656     | 378     |                   |       |
| 5.00 | 3.98 | 420     | 242     |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=21.9°+21.9° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.81 | 10497   | 6055    |                  |       |
| 2.00 | 1.61 | 2624    | 1514    |                  |       |
| 3.00 | 2.42 | 1166    | 673     |                  |       |
| 4.00 | 3.22 | 656     | 378     |                  |       |
| 5.00 | 4.03 | 420     | 242     |                  |       |

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|                |         |                 |                |          |               |            |                    |
|----------------|---------|-----------------|----------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 5271 lm | Luminaire Power | 39.3 W         | Efficacy | 134.117 lm/W  | Efficiency | 79.76%             |
| Source Flux    | 6608 lm | Maximum value   | 1588.50 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       | 2.9          | 3.6 | 3.2 | 3.8 | 4.0 | 3.1            | 3.7 | 3.3 | 3.9 | 4.1 |
| x=2H y=3H       | 2.8          | 3.4 | 3.1 | 3.6 | 3.8 | 2.9            | 3.5 | 3.2 | 3.7 | 4.0 |
| x=2H y=4H       | 2.7          | 3.3 | 3.0 | 3.5 | 3.8 | 2.9            | 3.4 | 3.2 | 3.7 | 3.9 |
| x=2H y=6H       | 2.7          | 3.2 | 3.0 | 3.5 | 3.7 | 2.8            | 3.3 | 3.1 | 3.6 | 3.9 |
| x=2H y=8H       | 2.6          | 3.1 | 2.9 | 3.4 | 3.7 | 2.8            | 3.2 | 3.1 | 3.5 | 3.8 |
| x=2H y=12H      | 2.6          | 3.0 | 2.9 | 3.3 | 3.6 | 2.7            | 3.2 | 3.1 | 3.5 | 3.8 |
| x=4H y=2H       | 2.7          | 3.3 | 3.0 | 3.5 | 3.8 | 2.9            | 3.4 | 3.2 | 3.7 | 3.9 |
| x=4H y=3H       | 2.6          | 3.0 | 2.9 | 3.3 | 3.6 | 2.7            | 3.2 | 3.1 | 3.5 | 3.8 |
| x=4H y=4H       | 2.5          | 2.9 | 2.9 | 3.2 | 3.6 | 2.7            | 3.0 | 3.0 | 3.4 | 3.7 |
| x=4H y=6H       | 2.4          | 2.8 | 2.8 | 3.1 | 3.5 | 2.6            | 2.9 | 3.0 | 3.3 | 3.6 |
| x=4H y=8H       | 2.4          | 2.7 | 2.8 | 3.1 | 3.4 | 2.5            | 2.8 | 2.9 | 3.2 | 3.6 |
| x=4H y=12H      | 2.4          | 2.6 | 2.8 | 3.0 | 3.4 | 2.5            | 2.7 | 2.9 | 3.1 | 3.5 |
| x=8H y=4H       | 2.4          | 2.7 | 2.8 | 3.1 | 3.4 | 2.5            | 2.8 | 2.9 | 3.2 | 3.6 |
| x=8H y=6H       | 2.3          | 2.5 | 2.8 | 2.9 | 3.4 | 2.5            | 2.7 | 2.9 | 3.1 | 3.5 |
| x=8H y=8H       | 2.3          | 2.4 | 2.7 | 2.9 | 3.3 | 2.4            | 2.6 | 2.9 | 3.0 | 3.5 |
| x=8H y=12H      | 2.2          | 2.4 | 2.7 | 2.8 | 3.3 | 2.4            | 2.5 | 2.8 | 3.0 | 3.4 |
| x=12H y=4H      | 2.4          | 2.6 | 2.8 | 3.0 | 3.4 | 2.5            | 2.7 | 2.9 | 3.1 | 3.5 |
| x=12H y=6H      | 2.3          | 2.4 | 2.7 | 2.9 | 3.3 | 2.4            | 2.6 | 2.9 | 3.0 | 3.5 |
| x=12H y=8H      | 2.2          | 2.4 | 2.7 | 2.8 | 3.3 | 2.4            | 2.5 | 2.8 | 3.0 | 3.4 |

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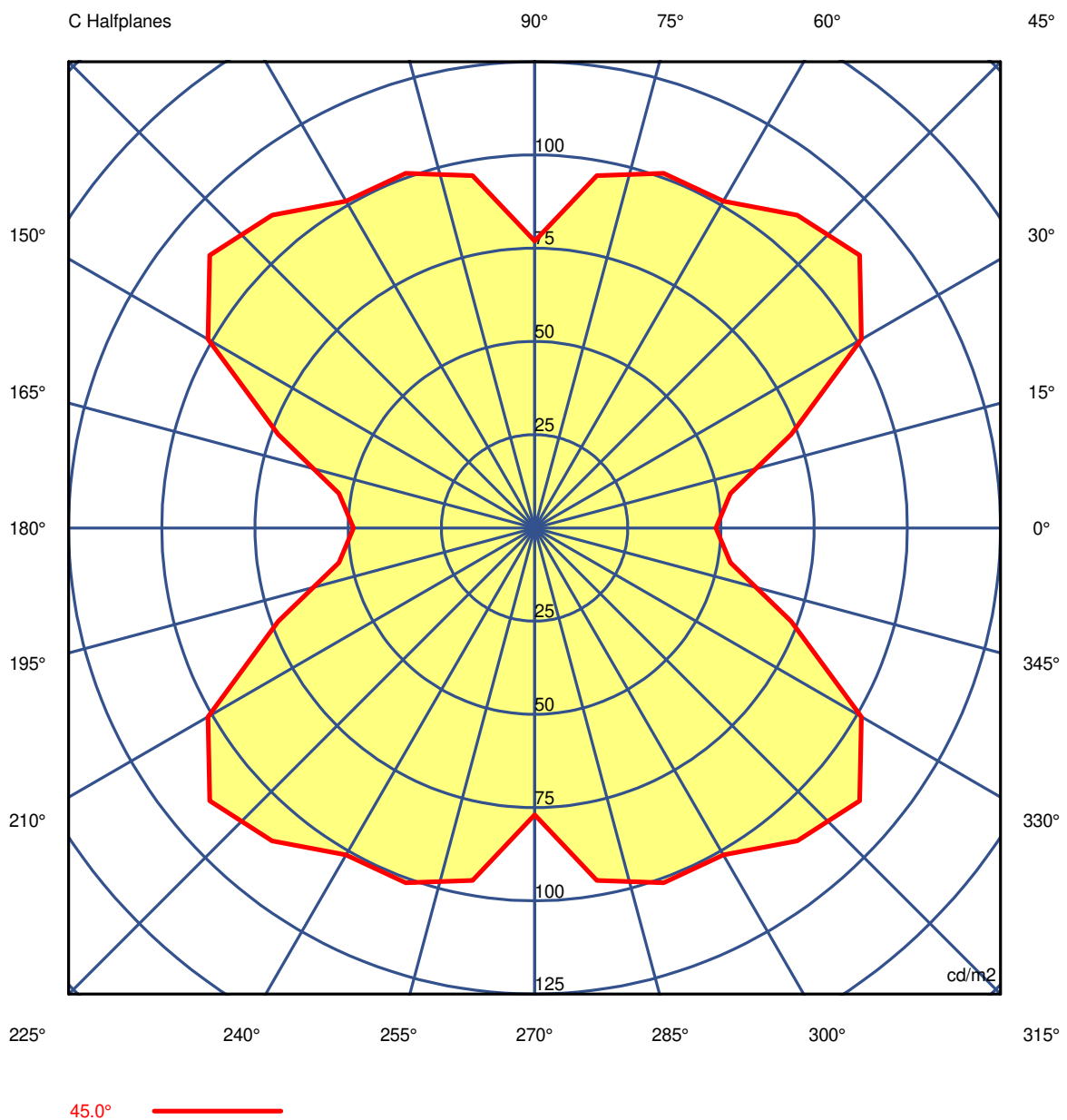
**Measurem.**

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|                |         |                 |                |          |               |                       |        |
|----------------|---------|-----------------|----------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 5271 lm | Luminaire Power | 39.3 W         | Efficacy | 134.117 lm/W  | Efficiency            | 79.76% |
| Source Flux    | 6608 lm | Maximum value   | 1588.50 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



**Luminaire**

Code 90727L212

Name CORA L12W30 2 BOPTICS 840 HO

**Measurement**

Code 28/7/2023

Name CORA L12W30 2 BOPTICS 840 HO

|                           |         |         |                 |         |                |         |          |         |               |         |            |          |                    |  |
|---------------------------|---------|---------|-----------------|---------|----------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux            | 5271 lm |         | Luminaire Power |         | 39.3 W         |         | Efficacy |         | 134.117 lm/W  |         | Efficiency |          | 79.76%             |  |
| Source Flux               | 6608 lm |         | Maximum value   |         | 1588.50 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                     | 45479   | 45479   | 45479           | 45479   | 45479          | 45479   | 45479    | 45479   | 45479         | 45479   | 45479      | 45479    | 45479              |  |
| G 5.0                     | 44250   | 44219   | 44226           | 44250   | 44237          | 44244   | 44279    | 44285   | 44288         | 44288   | 44288      | 44285    | 44279              |  |
| G 10.0                    | 41081   | 41103   | 41140           | 41189   | 41240          | 41317   | 41416    | 41497   | 41540         | 41552   | 41540      | 41497    | 41416              |  |
| G 15.0                    | 34454   | 34514   | 34535           | 34546   | 34609          | 34659   | 34718    | 34866   | 34951         | 34919   | 34951      | 34866    | 34718              |  |
| G 20.0                    | 26854   | 26873   | 26880           | 26882   | 26910          | 27000   | 27125    | 27209   | 27236         | 27226   | 27236      | 27209    | 27125              |  |
| G 25.0                    | 19005   | 18979   | 18984           | 19042   | 19150          | 19238   | 19295    | 19362   | 19387         | 19358   | 19387      | 19362    | 19295              |  |
| G 30.0                    | 7944    | 7980    | 8053            | 8116    | 8092           | 8098    | 8116     | 8013    | 7918          | 7895    | 7918       | 8013     | 8116               |  |
| G 35.0                    | 2590    | 2623    | 2665            | 2719    | 2775           | 2811    | 2828     | 2843    | 2849          | 2849    | 2849       | 2843     | 2828               |  |
| G 40.0                    | 348     | 375     | 448             | 542     | 582            | 588     | 576      | 534     | 484           | 437     | 484        | 534      | 576                |  |
| G 45.0                    | 49      | 53      | 73              | 101     | 114            | 110     | 101      | 101     | 96            | 77      | 96         | 101      | 101                |  |
| G 50.0                    | 53      | 53      | 53              | 53      | 53             | 53      | 53       | 53      | 53            | 53      | 53         | 53       | 53                 |  |
| G 55.0                    | 0       | 0       | 0               | 0       | 41             | 68      | 60       | 40      | 20            | 0       | 20         | 40       | 60                 |  |
| G 60.0                    | 0       | 0       | 0               | 0       | 0              | 0       | 0        | 0       | 0             | 0       | 0          | 0        | 0                  |  |
| 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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**Measurement**

Code 28/7/2023

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|                 |          |          |                 |          |                |          |          |          |               |          |            |          |                    |  |
|-----------------|----------|----------|-----------------|----------|----------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Luminaire Flux  | 5271 lm  |          | Luminaire Power |          | 39.3 W         |          | Efficacy |          | 134.117 lm/W  |          | Efficiency |          | 79.76%             |  |
| Source Flux     | 6608 lm  |          | Maximum value   |          | 1588.50 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           | 45479    | 45479    | 45479           | 45479    | 45479          | 45479    | 45479    | 45479    | 45479         | 45479    | 45479      | 45479    | 45479              |  |
| G 5.0           | 44244    | 44237    | 44250           | 44226    | 44219          | 44250    | 44219    | 44226    | 44250         | 44237    | 44244      | 44279    | 44285              |  |
| G 10.0          | 41317    | 41240    | 41189           | 41140    | 41103          | 41081    | 41103    | 41140    | 41189         | 41240    | 41317      | 41416    | 41497              |  |
| G 15.0          | 34659    | 34609    | 34546           | 34535    | 34514          | 34454    | 34514    | 34535    | 34546         | 34609    | 34659      | 34718    | 34866              |  |
| G 20.0          | 27000    | 26910    | 26882           | 26880    | 26873          | 26854    | 26873    | 26880    | 26882         | 26910    | 27000      | 27125    | 27209              |  |
| G 25.0          | 19238    | 19150    | 19042           | 18984    | 18979          | 19005    | 18979    | 18984    | 19042         | 19150    | 19238      | 19295    | 19362              |  |
| G 30.0          | 8098     | 8092     | 8116            | 8053     | 7980           | 7944     | 7980     | 8053     | 8116          | 8092     | 8098       | 8116     | 8013               |  |
| G 35.0          | 2811     | 2775     | 2719            | 2665     | 2623           | 2590     | 2623     | 2665     | 2719          | 2775     | 2811       | 2828     | 2843               |  |
| G 40.0          | 588      | 582      | 542             | 448      | 375            | 348      | 375      | 448      | 542           | 582      | 588        | 576      | 534                |  |
| G 45.0          | 110      | 114      | 101             | 73       | 53             | 49       | 53       | 73       | 101           | 114      | 110        | 101      | 101                |  |
| G 50.0          | 53       | 53       | 53              | 53       | 53             | 53       | 53       | 53       | 53            | 53       | 53         | 53       | 53                 |  |
| G 55.0          | 68       | 41       | 0               | 0        | 0              | 0        | 0        | 0        | 0             | 41       | 68         | 60       | 40                 |  |
| G 60.0          | 0        | 0        | 0               | 0        | 0              | 0        | 0        | 0        | 0             | 0        | 0          | 0        | 0                  |  |
| 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 | 5271 lm | Luminaire Power | 39.3 W         | Efficacy | 134.117 lm/W  | Efficiency | 79.76%             |
| Source Flux    | 6608 lm | Maximum value   | 1588.50 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  | 45479    | 45479    | 45479    | 45479    | 45479    | 45479    | 45479    | 45479    | 45479    | 45479    |
| G 5.0  | 44288    | 44288    | 44288    | 44285    | 44279    | 44244    | 44237    | 44250    | 44226    | 44219    |
| G 10.0 | 41540    | 41552    | 41540    | 41497    | 41416    | 41317    | 41240    | 41189    | 41140    | 41103    |
| G 15.0 | 34951    | 34919    | 34951    | 34866    | 34718    | 34659    | 34609    | 34546    | 34535    | 34514    |
| G 20.0 | 27236    | 27226    | 27236    | 27209    | 27125    | 27000    | 26910    | 26882    | 26880    | 26873    |
| G 25.0 | 19387    | 19358    | 19387    | 19362    | 19295    | 19238    | 19150    | 19042    | 18984    | 18979    |
| G 30.0 | 7918     | 7895     | 7918     | 8013     | 8116     | 8098     | 8092     | 8116     | 8053     | 7980     |
| G 35.0 | 2849     | 2849     | 2849     | 2843     | 2828     | 2811     | 2775     | 2719     | 2665     | 2623     |
| G 40.0 | 484      | 437      | 484      | 534      | 576      | 588      | 582      | 542      | 448      | 375      |
| G 45.0 | 96       | 77       | 96       | 101      | 101      | 110      | 114      | 101      | 73       | 53       |
| G 50.0 | 53       | 53       | 53       | 53       | 53       | 53       | 53       | 53       | 53       | 53       |
| G 55.0 | 20       | 0        | 20       | 40       | 60       | 68       | 41       | 0        | 0        | 0        |
| G 60.0 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 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        |