

**Luminaire**

Code 90592L400

Name ROFY 60 /T D/I D0400 GCONTROL+ 840 LO

**Measurem.**

Code 4/8/2023

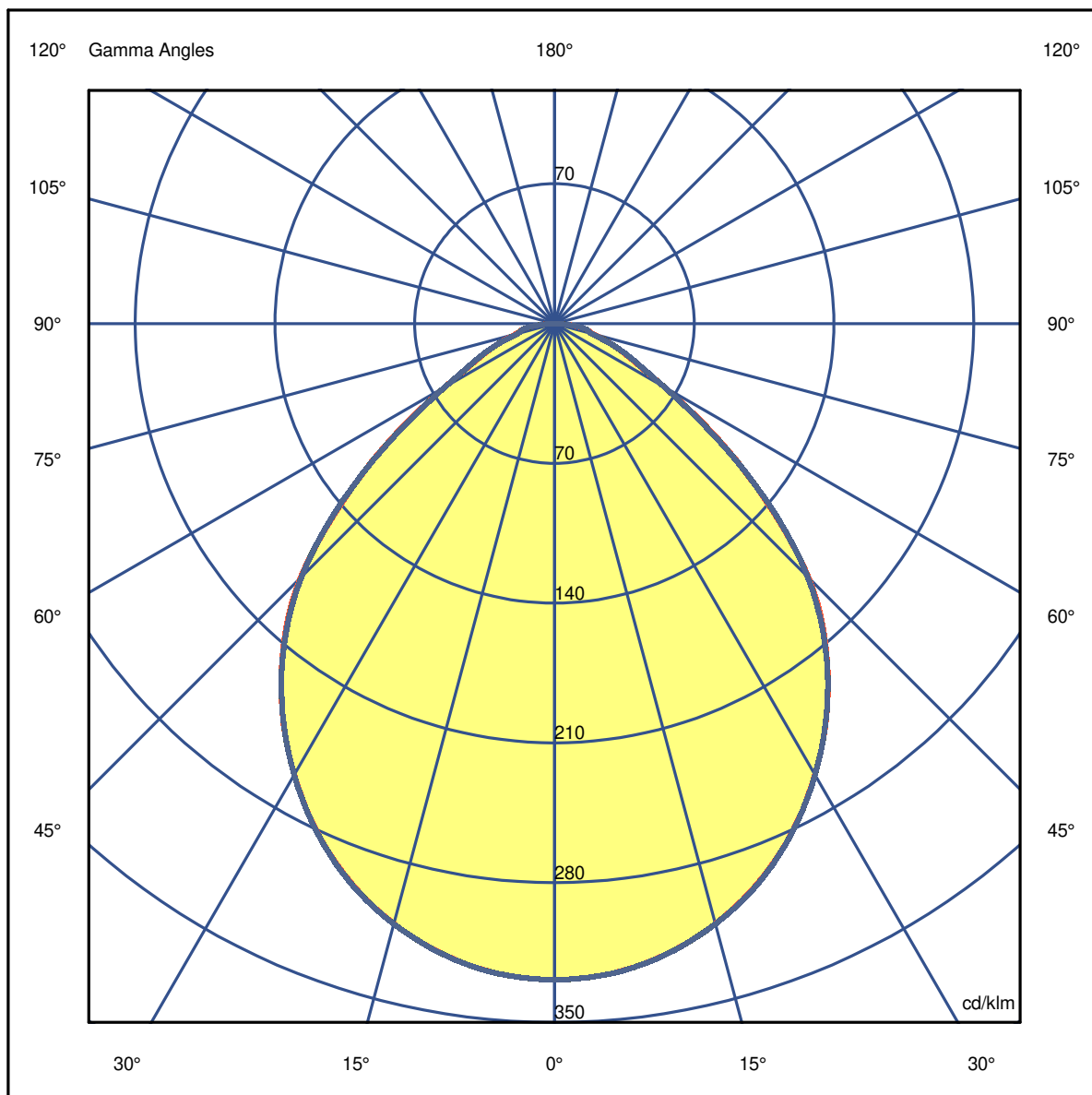
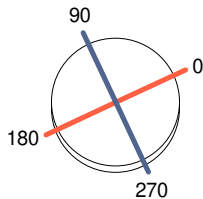
Name ROFY 60 /T D/I D0400 GCONTROL+ 840 LO

|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2769 lm | Luminaire Power | 22.1 W        | Efficacy | 125.245 lm/W  | Efficiency | 70.25%             |
| Source Flux    | 3942 lm | Maximum value   | 328.70 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Diam=518mm

C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



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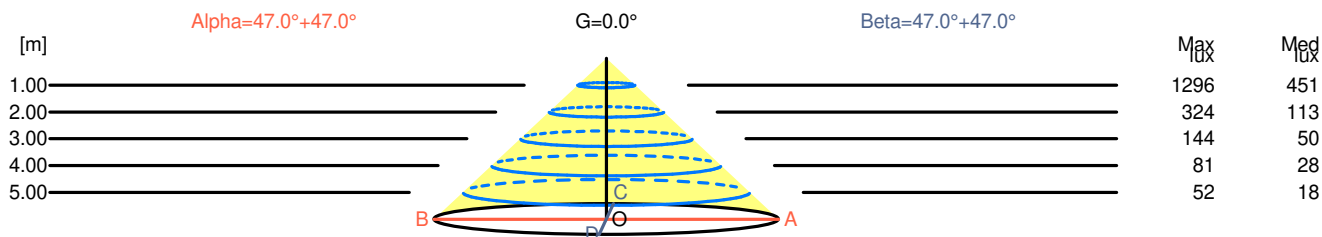
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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
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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   | 1.07 | 2.14 | 3.21 | 4.28 | 5.35 | OC   | 1.07 | 2.14 | 3.21 | 4.28 | 5.35 |
| OB   | 1.07 | 2.14 | 3.21 | 4.28 | 5.35 | OD   | 1.07 | 2.14 | 3.21 | 4.28 | 5.35 |

|    | 0       | 5       | 15      | 25      | 35     | 45     | 55     | 65     | 75    | 85    |
|----|---------|---------|---------|---------|--------|--------|--------|--------|-------|-------|
| OA | 1295.74 | 1287.85 | 1226.36 | 1108.49 | 937.41 | 709.56 | 389.47 | 169.51 | 78.84 | 32.32 |
| OB | 1295.74 | 1287.85 | 1226.36 | 1108.49 | 937.41 | 709.56 | 389.47 | 169.51 | 78.84 | 32.32 |
| OC | 1295.74 | 1287.85 | 1226.75 | 1108.88 | 936.62 | 706.41 | 383.95 | 173.05 | 75.69 | 31.14 |
| OD | 1295.74 | 1287.85 | 1226.75 | 1108.88 | 936.62 | 706.41 | 383.95 | 173.05 | 75.69 | 31.14 |



| H[m] | D[m]  | Max lux | Med lux | Alpha=47.0°+47.0° | G=0.0 |  |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.14  | 1296    | 451     |                   |       |  |
| 2.00 | 4.28  | 324     | 113     |                   |       |  |
| 3.00 | 6.43  | 144     | 50      |                   |       |  |
| 4.00 | 8.57  | 81      | 28      |                   |       |  |
| 5.00 | 10.71 | 52      | 18      |                   |       |  |

| H[m] | D[m]  | Max lux | Med lux | Beta=47.0°+47.0° | G=0.0 |  |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 2.14  | 1296    | 451     |                  |       |  |
| 2.00 | 4.28  | 324     | 113     |                  |       |  |
| 3.00 | 6.42  | 144     | 50      |                  |       |  |
| 4.00 | 8.57  | 81      | 28      |                  |       |  |
| 5.00 | 10.71 | 52      | 18      |                  |       |  |

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**Measurem.**

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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2769 lm | Luminaire Power | 22.1 W        | Efficacy | 125.245 lm/W  | Efficiency | 70.25%             |
| Source Flux    | 3942 lm | Maximum value   | 328.70 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 |              |      |      |      |      |                |      |      |      |      |
| Room Dimensions | Lateral View |      |      |      |      | Viewed Endwise |      |      |      |      |
| x=2H y=2H       | 15.2         | 16.3 | 15.4 | 16.5 | 16.7 | 15.1           | 16.3 | 15.4 | 16.5 | 16.7 |
| x=2H y=3H       | 15.7         | 16.7 | 16.0 | 17.0 | 17.2 | 15.7           | 16.7 | 16.0 | 17.0 | 17.2 |
| x=2H y=4H       | 15.8         | 16.8 | 16.2 | 17.1 | 17.3 | 15.8           | 16.8 | 16.1 | 17.1 | 17.3 |
| x=2H y=6H       | 15.9         | 16.8 | 16.3 | 17.1 | 17.4 | 15.9           | 16.8 | 16.3 | 17.1 | 17.4 |
| x=2H y=8H       | 16.0         | 16.8 | 16.3 | 17.1 | 17.4 | 16.0           | 16.8 | 16.3 | 17.1 | 17.4 |
| x=2H y=12H      | 16.0         | 16.8 | 16.4 | 17.1 | 17.5 | 16.0           | 16.8 | 16.4 | 17.1 | 17.4 |
| x=4H y=2H       | 15.4         | 16.3 | 15.7 | 16.6 | 16.9 | 15.4           | 16.3 | 15.7 | 16.6 | 16.9 |
| x=4H y=3H       | 16.0         | 16.9 | 16.4 | 17.2 | 17.5 | 16.0           | 16.8 | 16.4 | 17.2 | 17.5 |
| x=4H y=4H       | 16.3         | 17.0 | 16.7 | 17.3 | 17.7 | 16.3           | 17.0 | 16.7 | 17.3 | 17.7 |
| x=4H y=6H       | 16.5         | 17.1 | 16.9 | 17.5 | 17.9 | 16.5           | 17.1 | 16.9 | 17.5 | 17.9 |
| x=4H y=8H       | 16.6         | 17.1 | 17.0 | 17.5 | 18.0 | 16.6           | 17.1 | 17.0 | 17.5 | 18.0 |
| x=4H y=12H      | 16.6         | 17.1 | 17.1 | 17.5 | 18.0 | 16.6           | 17.1 | 17.1 | 17.5 | 18.0 |
| x=8H y=4H       | 16.3         | 16.9 | 16.8 | 17.3 | 17.7 | 16.3           | 16.9 | 16.8 | 17.3 | 17.7 |
| x=8H y=6H       | 16.6         | 17.1 | 17.1 | 17.5 | 18.0 | 16.6           | 17.1 | 17.1 | 17.5 | 18.0 |
| x=8H y=8H       | 16.8         | 17.2 | 17.2 | 17.6 | 18.1 | 16.8           | 17.2 | 17.2 | 17.6 | 18.1 |
| x=8H y=12H      | 16.8         | 17.2 | 17.3 | 17.7 | 18.2 | 16.8           | 17.2 | 17.3 | 17.7 | 18.2 |
| x=12H y=4H      | 16.3         | 16.9 | 16.8 | 17.3 | 17.7 | 16.3           | 16.8 | 16.8 | 17.3 | 17.7 |
| x=12H y=6H      | 16.7         | 17.1 | 17.1 | 17.5 | 18.0 | 16.6           | 17.1 | 17.1 | 17.5 | 18.0 |
| x=12H y=8H      | 16.8         | 17.1 | 17.3 | 17.6 | 18.1 | 16.8           | 17.1 | 17.3 | 17.6 | 18.1 |

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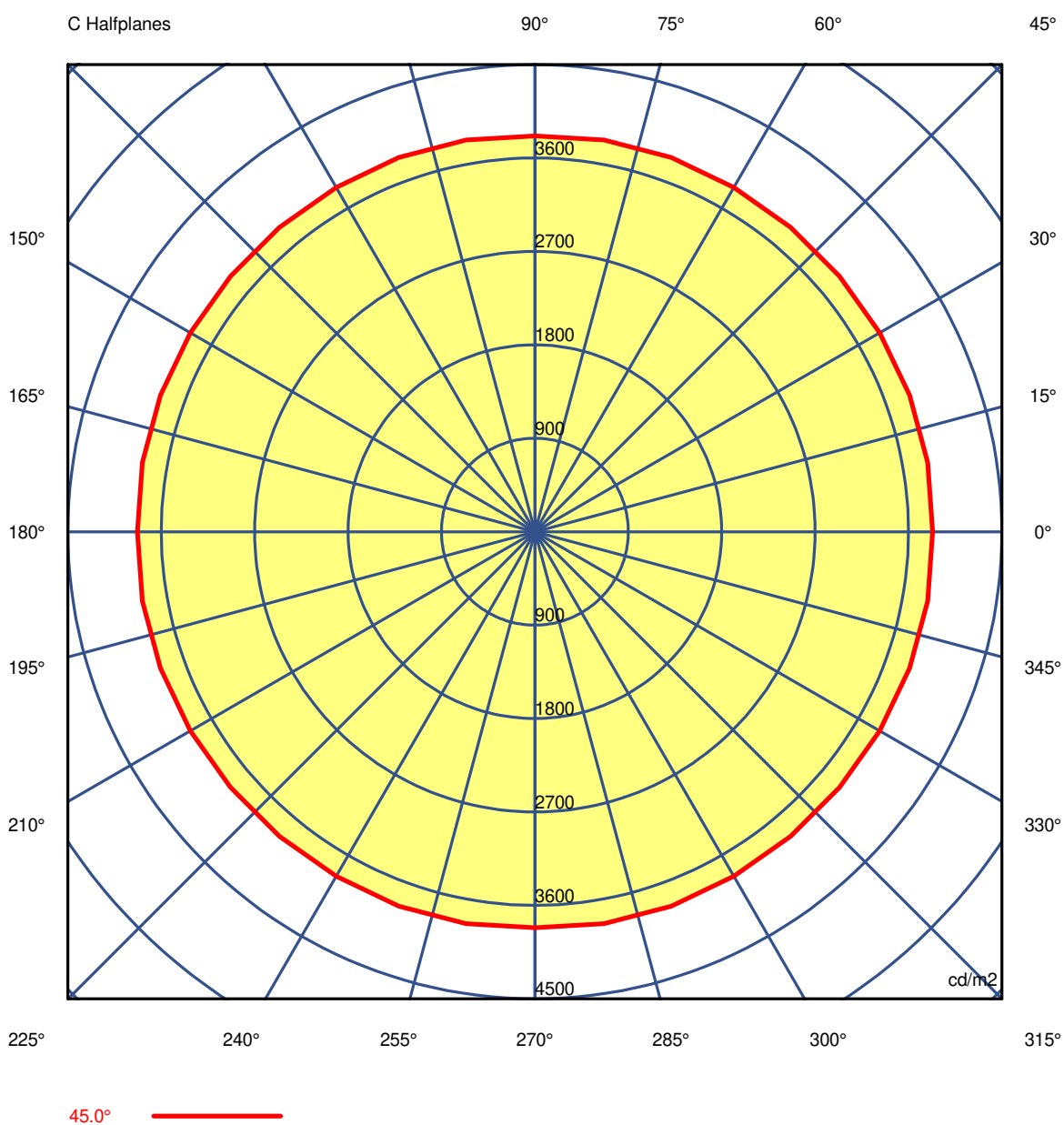
**Measurem.**

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|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 2769 lm | Luminaire Power | 22.1 W        | Efficacy | 125.245 lm/W  | Efficiency            | 70.25% |
| Source Flux    | 3942 lm | Maximum value   | 328.70 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



**Luminaire**

Code 90592L400

Name ROFY 60 /T D/I D0400 GCONTROL+ 840 LO

**Measurement**

Code 4/8/2023

Name ROFY 60 /T D/I D0400 GCONTROL+ 840 LO

| Luminaire Flux  | 2769 lm |         | Luminaire Power |         | 22.1 W        |         | Efficacy |         | 125.245 lm/W  |         | Efficiency |          | 70.25%             |  |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux     | 3942 lm |         | Maximum value   |         | 328.70 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           | 6599    | 6599    | 6599            | 6599    | 6599          | 6599    | 6599     | 6599    | 6599          | 6599    | 6599       | 6599     | 6599               |  |
| G 5.0           | 6397    | 6397    | 6397            | 6397    | 6397          | 6397    | 6397     | 6399    | 6399          | 6397    | 6399       | 6399     | 6397               |  |
| G 10.0          | 6175    | 6173    | 6172            | 6173    | 6174          | 6176    | 6177     | 6175    | 6175          | 6177    | 6175       | 6175     | 6177               |  |
| G 15.0          | 5936    | 5934    | 5933            | 5934    | 5935          | 5936    | 5937     | 5937    | 5937          | 5937    | 5937       | 5937     | 5937               |  |
| G 20.0          | 5677    | 5677    | 5677            | 5677    | 5679          | 5680    | 5681     | 5683    | 5683          | 5683    | 5683       | 5683     | 5681               |  |
| G 25.0          | 5391    | 5391    | 5392            | 5394    | 5392          | 5390    | 5392     | 5396    | 5396          | 5392    | 5396       | 5396     | 5392               |  |
| G 30.0          | 5071    | 5079    | 5082            | 5079    | 5074          | 5075    | 5081     | 5083    | 5079          | 5071    | 5079       | 5083     | 5081               |  |
| G 35.0          | 4725    | 4727    | 4730            | 4729    | 4721          | 4721    | 4729     | 4729    | 4725          | 4721    | 4725       | 4729     | 4729               |  |
| G 40.0          | 4329    | 4326    | 4324            | 4325    | 4327          | 4325    | 4323     | 4325    | 4326          | 4321    | 4326       | 4325     | 4323               |  |
| G 45.0          | 3832    | 3841    | 3841            | 3834    | 3831          | 3830    | 3832     | 3837    | 3832          | 3815    | 3832       | 3837     | 3832               |  |
| G 50.0          | 3095    | 3056    | 3040            | 3060    | 3103          | 3092    | 3039     | 3036    | 3069          | 3113    | 3069       | 3036     | 3039               |  |
| G 55.0          | 2342    | 2246    | 2209            | 2257    | 2348          | 2316    | 2202     | 2210    | 2267          | 2309    | 2267       | 2210     | 2202               |  |
| G 60.0          | 1606    | 1683    | 1715            | 1682    | 1615          | 1631    | 1708     | 1707    | 1659          | 1606    | 1659       | 1707     | 1708               |  |
| G 65.0          | 1191    | 1345    | 1424            | 1374    | 1229          | 1253    | 1418     | 1436    | 1342          | 1216    | 1342       | 1436     | 1418               |  |
| G 70.0          | 943     | 1030    | 1093            | 1081    | 972           | 956     | 1051     | 1082    | 1032          | 934     | 1032       | 1082     | 1051               |  |
| G 75.0          | 691     | 754     | 801             | 791     | 702           | 694     | 781      | 813     | 764           | 663     | 764        | 813      | 781                |  |
| G 80.0          | 644     | 628     | 622             | 628     | 639           | 635     | 620      | 619     | 629           | 640     | 629        | 619      | 620                |  |
| G 85.0          | 392     | 372     | 359             | 364     | 384           | 381     | 359      | 359     | 369           | 378     | 369        | 359      | 359                |  |
| G 90.0          | 72      | 72      | 72              | 72      | 72            | 72      | 72       | 72      | 71            | 66      | 71         | 72       | 72                 |  |

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|                 |          |          |                 |          |               |          |          |          |               |          |            |          |                    |  |
|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Luminaire Flux  | 2769 lm  |          | Luminaire Power |          | 22.1 W        |          | Efficacy |          | 125.245 lm/W  |          | Efficiency |          | 70.25%             |  |
| Source Flux     | 3942 lm  |          | Maximum value   |          | 328.70 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           | 6599     | 6599     | 6599            | 6599     | 6599          | 6599     | 6599     | 6599     | 6599          | 6599     | 6599       | 6599     | 6599               |  |
| G 5.0           | 6397     | 6397     | 6397            | 6397     | 6397          | 6397     | 6397     | 6397     | 6397          | 6397     | 6397       | 6397     | 6399               |  |
| G 10.0          | 6176     | 6174     | 6173            | 6172     | 6173          | 6175     | 6173     | 6172     | 6173          | 6174     | 6176       | 6177     | 6175               |  |
| G 15.0          | 5936     | 5935     | 5934            | 5933     | 5934          | 5936     | 5934     | 5933     | 5934          | 5935     | 5936       | 5937     | 5937               |  |
| G 20.0          | 5680     | 5679     | 5677            | 5677     | 5677          | 5677     | 5677     | 5677     | 5677          | 5679     | 5680       | 5681     | 5683               |  |
| G 25.0          | 5390     | 5392     | 5394            | 5392     | 5391          | 5391     | 5391     | 5392     | 5394          | 5392     | 5390       | 5392     | 5396               |  |
| G 30.0          | 5075     | 5074     | 5079            | 5082     | 5079          | 5071     | 5079     | 5082     | 5079          | 5074     | 5075       | 5081     | 5083               |  |
| G 35.0          | 4721     | 4721     | 4729            | 4730     | 4727          | 4725     | 4727     | 4730     | 4729          | 4721     | 4721       | 4729     | 4729               |  |
| G 40.0          | 4325     | 4327     | 4325            | 4324     | 4326          | 4329     | 4326     | 4324     | 4325          | 4327     | 4325       | 4323     | 4325               |  |
| G 45.0          | 3830     | 3831     | 3834            | 3841     | 3841          | 3832     | 3841     | 3841     | 3834          | 3831     | 3830       | 3832     | 3837               |  |
| G 50.0          | 3092     | 3103     | 3060            | 3040     | 3056          | 3095     | 3056     | 3040     | 3060          | 3103     | 3092       | 3039     | 3036               |  |
| G 55.0          | 2316     | 2348     | 2257            | 2209     | 2246          | 2342     | 2246     | 2209     | 2257          | 2348     | 2316       | 2202     | 2210               |  |
| G 60.0          | 1631     | 1615     | 1682            | 1715     | 1683          | 1606     | 1683     | 1715     | 1682          | 1615     | 1631       | 1708     | 1707               |  |
| G 65.0          | 1253     | 1229     | 1374            | 1424     | 1345          | 1191     | 1345     | 1424     | 1374          | 1229     | 1253       | 1418     | 1436               |  |
| G 70.0          | 956      | 972      | 1081            | 1093     | 1030          | 943      | 1030     | 1093     | 1081          | 972      | 956        | 1051     | 1082               |  |
| G 75.0          | 694      | 702      | 791             | 801      | 754           | 691      | 754      | 801      | 791           | 702      | 694        | 781      | 813                |  |
| G 80.0          | 635      | 639      | 628             | 622      | 628           | 644      | 628      | 622      | 628           | 639      | 635        | 620      | 619                |  |
| G 85.0          | 381      | 384      | 364             | 359      | 372           | 392      | 372      | 359      | 364           | 384      | 381        | 359      | 359                |  |
| G 90.0          | 72       | 72       | 72              | 72       | 72            | 72       | 72       | 72       | 72            | 72       | 72         | 72       | 72                 |  |

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| Luminaire Flux | 2769 lm | Luminaire Power | 22.1 W        | Efficacy | 125.245 lm/W  | Efficiency | 70.25%             |
| Source Flux    | 3942 lm | Maximum value   | 328.70 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  | 6599     | 6599     | 6599     | 6599     | 6599     | 6599     | 6599     | 6599     | 6599     | 6599     |
| G 5.0  | 6399     | 6397     | 6399     | 6399     | 6397     | 6397     | 6397     | 6397     | 6397     | 6397     |
| G 10.0 | 6175     | 6177     | 6175     | 6175     | 6177     | 6176     | 6174     | 6173     | 6172     | 6173     |
| G 15.0 | 5937     | 5937     | 5937     | 5937     | 5937     | 5936     | 5935     | 5934     | 5933     | 5934     |
| G 20.0 | 5683     | 5683     | 5683     | 5683     | 5681     | 5680     | 5679     | 5677     | 5677     | 5677     |
| G 25.0 | 5396     | 5392     | 5396     | 5396     | 5392     | 5390     | 5392     | 5394     | 5392     | 5391     |
| G 30.0 | 5079     | 5071     | 5079     | 5083     | 5081     | 5075     | 5074     | 5079     | 5082     | 5079     |
| G 35.0 | 4725     | 4721     | 4725     | 4729     | 4729     | 4721     | 4721     | 4729     | 4730     | 4727     |
| G 40.0 | 4326     | 4321     | 4326     | 4325     | 4323     | 4325     | 4327     | 4325     | 4324     | 4326     |
| G 45.0 | 3832     | 3815     | 3832     | 3837     | 3832     | 3830     | 3831     | 3834     | 3841     | 3841     |
| G 50.0 | 3069     | 3113     | 3069     | 3036     | 3039     | 3092     | 3103     | 3060     | 3040     | 3056     |
| G 55.0 | 2267     | 2309     | 2267     | 2210     | 2202     | 2316     | 2348     | 2257     | 2209     | 2246     |
| G 60.0 | 1659     | 1606     | 1659     | 1707     | 1708     | 1631     | 1615     | 1682     | 1715     | 1683     |
| G 65.0 | 1342     | 1216     | 1342     | 1436     | 1418     | 1253     | 1229     | 1374     | 1424     | 1345     |
| G 70.0 | 1032     | 934      | 1032     | 1082     | 1051     | 956      | 972      | 1081     | 1093     | 1030     |
| G 75.0 | 764      | 663      | 764      | 813      | 781      | 694      | 702      | 791      | 801      | 754      |
| G 80.0 | 629      | 640      | 629      | 619      | 620      | 635      | 639      | 628      | 622      | 628      |
| G 85.0 | 369      | 378      | 369      | 359      | 359      | 381      | 384      | 364      | 359      | 372      |
| G 90.0 | 71       | 66       | 71       | 72       | 72       | 72       | 72       | 72       | 72       | 72       |