

**Luminaire**

Code 90575L011

Name VEGA IP /E D100 LIGHT+ 940 MO

**Measurem.**

Code 9/2/2023

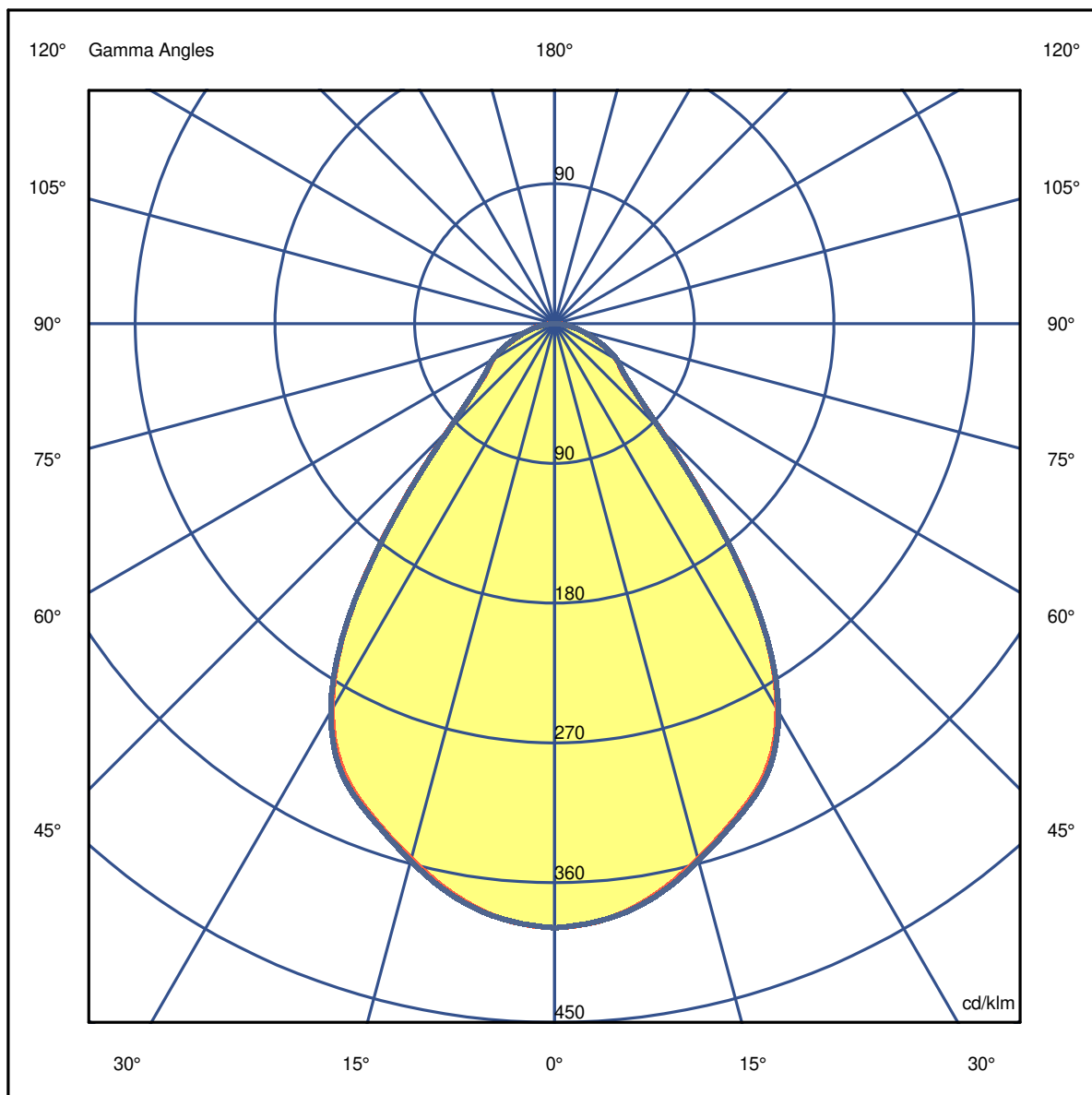
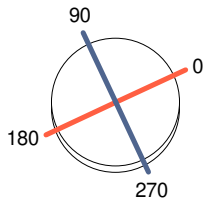
Name VEGA IP /E D100 LIGHT+ 940 MO

|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 797 lm  | Luminaire Power | 8.2 W         | Efficacy | 96.643 lm/W   | Efficiency | 61.47%             |
| Source Flux    | 1297 lm | Maximum value   | 389.10 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Diam=100mm

C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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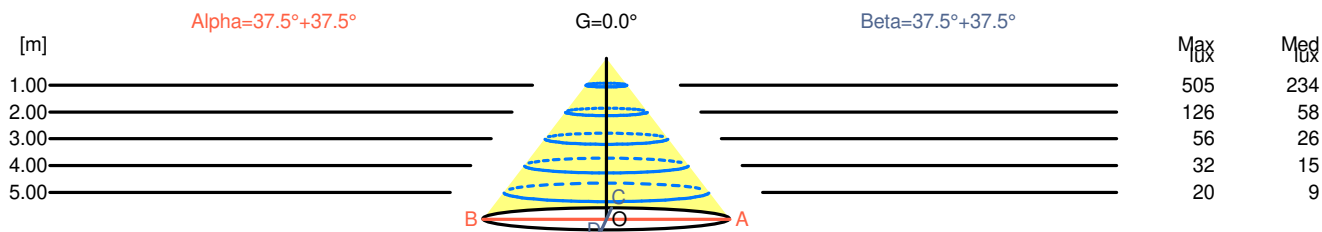
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|                |         |                 |               |          |               |            |                    |
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| Luminaire Flux | 797 lm  | Luminaire Power | 8.2 W         | Efficacy | 96.643 lm/W   | Efficiency | 61.47%             |
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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   | 0.77 | 1.53 | 2.30 | 3.07 | 3.84 | OC   | 0.77 | 1.53 | 2.30 | 3.07 | 3.83 |
| OB   | 0.77 | 1.53 | 2.30 | 3.07 | 3.84 | OD   | 0.77 | 1.53 | 2.30 | 3.07 | 3.83 |

|    | 0      | 5      | 15     | 25     | 35     | 45     | 55    | 65    | 75    | 85   |
|----|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| OA | 504.66 | 499.09 | 462.90 | 415.17 | 300.26 | 125.03 | 69.13 | 46.43 | 22.83 | 6.10 |
| OB | 504.66 | 499.09 | 462.90 | 415.17 | 300.26 | 125.03 | 69.13 | 46.43 | 22.83 | 6.10 |
| OC | 504.66 | 499.09 | 464.46 | 417.63 | 300.51 | 124.38 | 69.65 | 46.69 | 22.96 | 5.19 |
| OD | 504.66 | 499.09 | 464.46 | 417.63 | 300.51 | 124.38 | 69.65 | 46.69 | 22.96 | 5.19 |



| H[m] | D[m] | Max lux | Med lux | Alpha=37.5°+37.5° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.53 | 505     | 234     |                   |       |
| 2.00 | 3.07 | 126     | 58      |                   |       |
| 3.00 | 4.60 | 56      | 26      |                   |       |
| 4.00 | 6.14 | 32      | 15      |                   |       |
| 5.00 | 7.67 | 20      | 9       |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=37.5°+37.5° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.53 | 505     | 234     |                  |       |
| 2.00 | 3.07 | 126     | 58      |                  |       |
| 3.00 | 4.60 | 56      | 26      |                  |       |
| 4.00 | 6.13 | 32      | 15      |                  |       |
| 5.00 | 7.67 | 20      | 9       |                  |       |

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| Luminaire Flux | 797 lm  | Luminaire Power | 8.2 W         | Efficacy | 96.643 lm/W   | Efficiency | 61.47%             |
| Source Flux    | 1297 lm | Maximum value   | 389.10 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       | 19.3         | 20.2 | 19.5 | 20.5 | 20.7 | 19.3           | 20.3 | 19.6 | 20.5 | 20.7 |
| x=2H y=3H       | 19.8         | 20.7 | 20.1 | 20.9 | 21.2 | 19.8           | 20.7 | 20.1 | 20.9 | 21.2 |
| x=2H y=4H       | 19.9         | 20.8 | 20.2 | 21.0 | 21.3 | 19.9           | 20.8 | 20.3 | 21.0 | 21.3 |
| x=2H y=6H       | 20.0         | 20.8 | 20.3 | 21.1 | 21.4 | 20.0           | 20.8 | 20.3 | 21.1 | 21.4 |
| x=2H y=8H       | 20.0         | 20.8 | 20.4 | 21.1 | 21.4 | 20.0           | 20.8 | 20.4 | 21.1 | 21.4 |
| x=2H y=12H      | 20.0         | 20.7 | 20.3 | 21.0 | 21.3 | 20.0           | 20.7 | 20.3 | 21.0 | 21.3 |
| x=4H y=2H       | 19.5         | 20.3 | 19.8 | 20.6 | 20.8 | 19.5           | 20.3 | 19.8 | 20.6 | 20.8 |
| x=4H y=3H       | 20.1         | 20.8 | 20.5 | 21.2 | 21.5 | 20.1           | 20.9 | 20.5 | 21.2 | 21.5 |
| x=4H y=4H       | 20.4         | 21.0 | 20.7 | 21.3 | 21.7 | 20.4           | 21.0 | 20.8 | 21.3 | 21.7 |
| x=4H y=6H       | 20.5         | 21.0 | 20.9 | 21.4 | 21.8 | 20.5           | 21.0 | 20.9 | 21.4 | 21.8 |
| x=4H y=8H       | 20.5         | 21.0 | 20.9 | 21.4 | 21.8 | 20.5           | 21.0 | 20.9 | 21.4 | 21.8 |
| x=4H y=12H      | 20.5         | 20.9 | 20.9 | 21.4 | 21.8 | 20.5           | 20.9 | 20.9 | 21.4 | 21.8 |
| x=8H y=4H       | 20.4         | 20.9 | 20.8 | 21.3 | 21.7 | 20.4           | 20.9 | 20.8 | 21.3 | 21.7 |
| x=8H y=6H       | 20.6         | 21.0 | 21.1 | 21.4 | 21.9 | 20.6           | 21.0 | 21.1 | 21.4 | 21.9 |
| x=8H y=8H       | 20.6         | 21.0 | 21.1 | 21.4 | 21.9 | 20.6           | 21.0 | 21.1 | 21.4 | 21.9 |
| x=8H y=12H      | 20.7         | 20.9 | 21.1 | 21.4 | 21.9 | 20.6           | 20.9 | 21.1 | 21.4 | 21.9 |
| x=12H y=4H      | 20.4         | 20.8 | 20.8 | 21.2 | 21.7 | 20.4           | 20.8 | 20.8 | 21.2 | 21.7 |
| x=12H y=6H      | 20.6         | 20.9 | 21.1 | 21.4 | 21.8 | 20.6           | 20.9 | 21.1 | 21.4 | 21.8 |
| x=12H y=8H      | 20.6         | 20.9 | 21.1 | 21.4 | 21.9 | 20.6           | 20.9 | 21.1 | 21.4 | 21.9 |

**Luminaire**

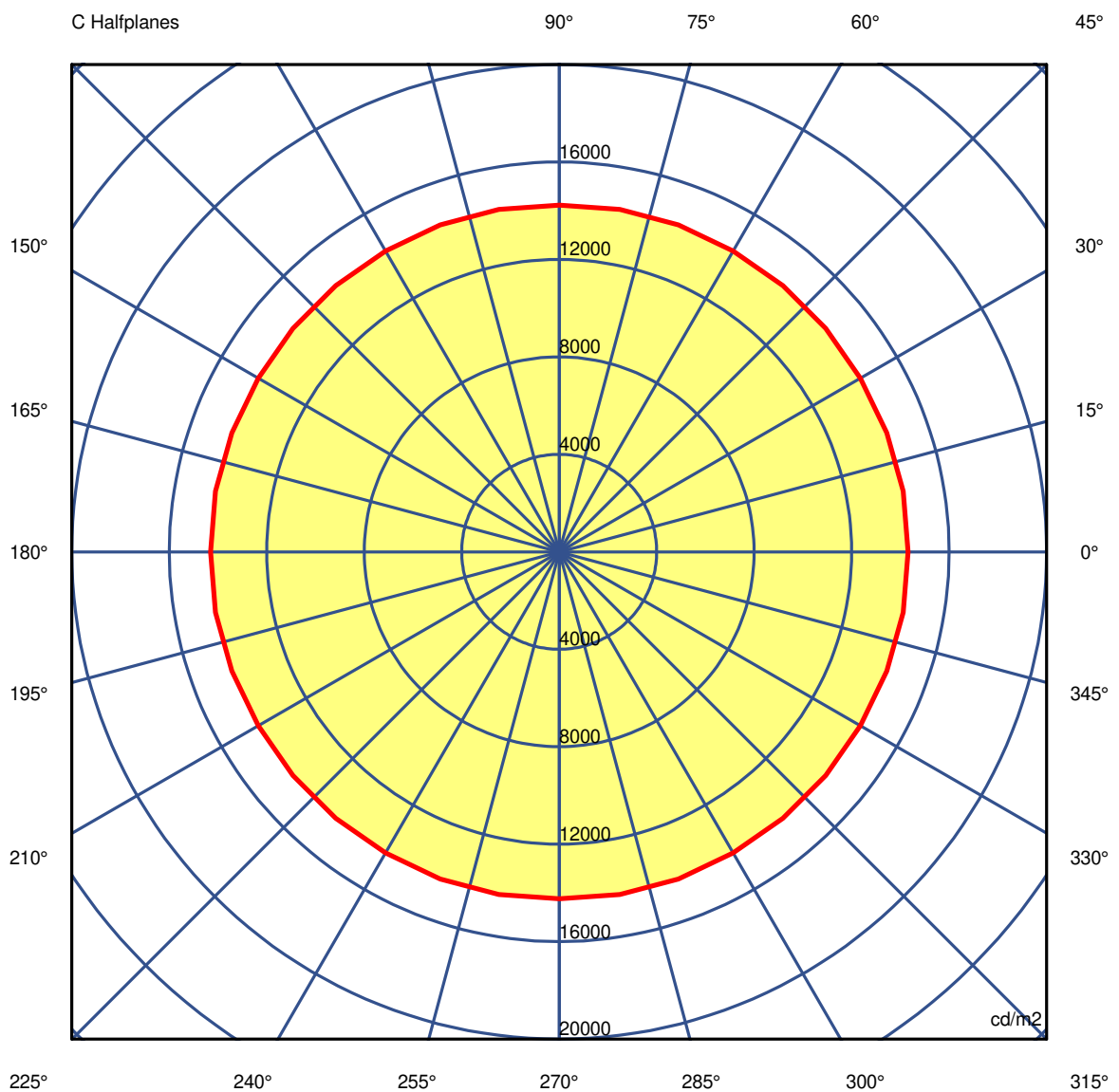
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|                |         |                 |               |          |               |                       |        |
|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 797 lm  | Luminaire Power | 8.2 W         | Efficacy | 96.643 lm/W   | Efficiency            | 61.47% |
| Source Flux    | 1297 lm | Maximum value   | 389.10 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



**Luminaire**

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**Measurement**

Code 9/2/2023

Name VEGA IP /E D100 LIGHT+ 940 MO

| Luminaire Flux  |        | 797 lm  |         | Luminaire Power |         | 8.2 W         |         | Efficacy |         | 96.643 lm/W   |          | Efficiency |          | 61.47%             |        |
|-----------------|--------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|----------|------------|----------|--------------------|--------|
| Source Flux     |        | 1297 lm |         | Maximum value   |         | 389.10 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           | 120577 | 120577  | 120577  | 120577          | 120577  | 120577        | 120577  | 120577   | 120577  | 120577        | 120577   | 120577     | 120577   | 120577             | 120577 |
| G 5.0           | 102229 | 102477  | 102483  | 102308          | 102242  | 102290        | 102415  | 102563   | 102508  | 102229        | 102508   | 102563     | 102415   | 102415             | 102415 |
| G 10.0          | 87394  | 87692   | 87769   | 87652           | 87588   | 87728         | 87933   | 87905    | 87773   | 87652         | 87773    | 87905      | 87933    | 87933              | 87933  |
| G 15.0          | 75160  | 75490   | 75532   | 75370           | 75354   | 75437         | 75539   | 75622    | 75580   | 75412         | 75580    | 75622      | 75539    | 75539              | 75539  |
| G 20.0          | 65435  | 65561   | 65580   | 65531           | 65569   | 65705         | 65820   | 65773    | 65684   | 65627         | 65684    | 65773      | 65820    | 65820              | 65820  |
| G 25.0          | 57276  | 57451   | 57482   | 57401           | 57390   | 57522         | 57688   | 57697    | 57647   | 57616         | 57647    | 57697      | 57688    | 57688              | 57688  |
| G 30.0          | 48213  | 48404   | 48440   | 48364           | 48365   | 48443         | 48532   | 48571    | 48547   | 48482         | 48547    | 48571      | 48532    | 48532              | 48532  |
| G 35.0          | 36986  | 36998   | 37005   | 36986           | 36937   | 36977         | 37082   | 37099    | 37062   | 37018         | 37062    | 37099      | 37082    | 37082              | 37082  |
| G 40.0          | 23973  | 24084   | 24063   | 23958           | 23940   | 23980         | 24004   | 23968    | 23923   | 23896         | 23923    | 23968      | 24004    | 24004              | 24004  |
| G 45.0          | 14304  | 14324   | 14300   | 14260           | 14268   | 14270         | 14260   | 14283    | 14280   | 14230         | 14280    | 14283      | 14260    | 14260              | 14260  |
| G 50.0          | 9749   | 9749    | 9758    | 9764            | 9727    | 9735          | 9778    | 9763     | 9749    | 9749          | 9749     | 9763       | 9778     | 9778               | 9778   |
| G 55.0          | 7598   | 7624    | 7620    | 7598            | 7601    | 7628          | 7655    | 7655     | 7655    | 7655          | 7655     | 7655       | 7655     | 7655               | 7655   |
| G 60.0          | 6490   | 6514    | 6515    | 6504            | 6511    | 6523          | 6532    | 6543     | 6546    | 6546          | 6546     | 6543       | 6532     | 6532               | 6532   |
| G 65.0          | 5059   | 5072    | 5069    | 5059            | 5066    | 5078          | 5087    | 5098     | 5099    | 5087          | 5099     | 5098       | 5087     | 5087               | 5087   |
| G 70.0          | 3714   | 3727    | 3725    | 3714            | 3711    | 3719          | 3728    | 3728     | 3728    | 3728          | 3728     | 3728       | 3728     | 3728               | 3728   |
| G 75.0          | 2542   | 2566    | 2568    | 2556            | 2556    | 2556          | 2556    | 2556     | 2556    | 2556          | 2556     | 2556       | 2556     | 2556               | 2556   |
| G 80.0          | 1566   | 1566    | 1566    | 1566            | 1558    | 1545          | 1537    | 1537     | 1530    | 1507          | 1530     | 1537       | 1537     | 1537               | 1537   |
| G 85.0          | 716    | 716     | 716     | 716             | 707     | 695           | 686     | 679      | 655     | 610           | 655      | 679        | 686      | 686                | 686    |
| G 90.0          | 111    | 111     | 111     | 111             | 100     | 95            | 95      | 95       | 91      | 79            | 91       | 95         | 95       | 95                 | 95     |

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**Measurement**

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| Luminaire Flux  |        | 797 lm   |        | Luminaire Power |        | 8.2 W         |        | Efficacy |        | 96.643 lm/W   |        | Efficiency |        | 61.47%             |        |          |        |          |        |          |        |          |        |          |        |
|-----------------|--------|----------|--------|-----------------|--------|---------------|--------|----------|--------|---------------|--------|------------|--------|--------------------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|
| Source Flux     |        | 1297 lm  |        | Maximum value   |        | 389.10 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           | 120577 | 120577   | 120577 | 120577          | 120577 | 120577        | 120577 | 120577   | 120577 | 120577        | 120577 | 120577     | 120577 | 120577             | 120577 | 120577   | 120577 | 120577   | 120577 | 120577   | 120577 | 120577   | 120577 | 120577   | 120577 |
| G 5.0           | 102290 | 102242   | 102308 | 102483          | 102477 | 102229        | 102477 | 102483   | 102308 | 102242        | 102290 | 102415     | 102563 |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 10.0          | 87728  | 87588    | 87652  | 87769           | 87692  | 87394         | 87692  | 87769    | 87652  | 87588         | 87728  | 87933      | 87905  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 15.0          | 75437  | 75354    | 75370  | 75532           | 75490  | 75160         | 75490  | 75532    | 75370  | 75354         | 75437  | 75539      | 75622  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 20.0          | 65705  | 65569    | 65531  | 65580           | 65561  | 65435         | 65561  | 65580    | 65531  | 65569         | 65705  | 65820      | 65773  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 25.0          | 57522  | 57390    | 57401  | 57482           | 57451  | 57276         | 57451  | 57482    | 57401  | 57390         | 57522  | 57688      | 57697  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 30.0          | 48443  | 48365    | 48364  | 48440           | 48404  | 48213         | 48404  | 48440    | 48364  | 48365         | 48443  | 48532      | 48571  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 35.0          | 36977  | 36937    | 36986  | 37005           | 36998  | 36986         | 36998  | 37005    | 36986  | 36937         | 36977  | 37082      | 37099  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 40.0          | 23980  | 23940    | 23958  | 24063           | 24084  | 23973         | 24084  | 24063    | 23958  | 23940         | 23980  | 24004      | 23968  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 45.0          | 14270  | 14268    | 14260  | 14300           | 14324  | 14304         | 14324  | 14300    | 14260  | 14268         | 14270  | 14260      | 14283  |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 50.0          | 9735   | 9727     | 9764   | 9758            | 9749   | 9749          | 9749   | 9758     | 9764   | 9727          | 9735   | 9778       | 9763   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 55.0          | 7628   | 7601     | 7598   | 7620            | 7624   | 7598          | 7624   | 7620     | 7598   | 7601          | 7628   | 7655       | 7655   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 60.0          | 6523   | 6511     | 6504   | 6515            | 6514   | 6490          | 6514   | 6515     | 6504   | 6511          | 6523   | 6532       | 6543   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 65.0          | 5078   | 5066     | 5059   | 5069            | 5072   | 5059          | 5072   | 5069     | 5059   | 5066          | 5078   | 5087       | 5098   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 70.0          | 3719   | 3711     | 3714   | 3725            | 3727   | 3714          | 3727   | 3725     | 3714   | 3711          | 3719   | 3728       | 3728   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 75.0          | 2556   | 2556     | 2556   | 2568            | 2566   | 2542          | 2566   | 2568     | 2556   | 2556          | 2556   | 2556       | 2556   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 80.0          | 1545   | 1558     | 1566   | 1566            | 1566   | 1566          | 1566   | 1566     | 1566   | 1558          | 1545   | 1537       | 1537   |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 85.0          | 695    | 707      | 716    | 716             | 716    | 716           | 716    | 716      | 716    | 707           | 695    | 686        | 679    |                    |        |          |        |          |        |          |        |          |        |          |        |
| G 90.0          | 95     | 100      | 111    | 111             | 111    | 111           | 111    | 111      | 111    | 100           | 95     | 95         | 95     |                    |        |          |        |          |        |          |        |          |        |          |        |

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| Luminaire Flux | 797 lm  | Luminaire Power | 8.2 W         | Efficacy | 96.643 lm/W   | Efficiency | 61.47%             |
| Source Flux    | 1297 lm | Maximum value   | 389.10 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  | 120577   | 120577   | 120577   | 120577   | 120577   | 120577   | 120577   | 120577   | 120577   | 120577   |
| G 5.0  | 102508   | 102229   | 102508   | 102563   | 102415   | 102290   | 102242   | 102308   | 102483   | 102477   |
| G 10.0 | 87773    | 87652    | 87773    | 87905    | 87933    | 87728    | 87588    | 87652    | 87769    | 87692    |
| G 15.0 | 75580    | 75412    | 75580    | 75622    | 75539    | 75437    | 75354    | 75370    | 75532    | 75490    |
| G 20.0 | 65684    | 65627    | 65684    | 65773    | 65820    | 65705    | 65569    | 65531    | 65580    | 65561    |
| G 25.0 | 57647    | 57616    | 57647    | 57697    | 57688    | 57522    | 57390    | 57401    | 57482    | 57451    |
| G 30.0 | 48547    | 48482    | 48547    | 48571    | 48532    | 48443    | 48365    | 48364    | 48440    | 48404    |
| G 35.0 | 37062    | 37018    | 37062    | 37099    | 37082    | 36977    | 36937    | 36986    | 37005    | 36998    |
| G 40.0 | 23923    | 23896    | 23923    | 23968    | 24004    | 23980    | 23940    | 23958    | 24063    | 24084    |
| G 45.0 | 14280    | 14230    | 14280    | 14283    | 14260    | 14270    | 14268    | 14260    | 14300    | 14324    |
| G 50.0 | 9749     | 9749     | 9749     | 9763     | 9778     | 9735     | 9727     | 9764     | 9758     | 9749     |
| G 55.0 | 7655     | 7655     | 7655     | 7655     | 7655     | 7628     | 7601     | 7598     | 7620     | 7624     |
| G 60.0 | 6546     | 6546     | 6546     | 6543     | 6532     | 6523     | 6511     | 6504     | 6515     | 6514     |
| G 65.0 | 5099     | 5087     | 5099     | 5098     | 5087     | 5078     | 5066     | 5059     | 5069     | 5072     |
| G 70.0 | 3728     | 3728     | 3728     | 3728     | 3728     | 3719     | 3711     | 3714     | 3725     | 3727     |
| G 75.0 | 2556     | 2556     | 2556     | 2556     | 2556     | 2556     | 2556     | 2556     | 2568     | 2566     |
| G 80.0 | 1530     | 1507     | 1530     | 1537     | 1537     | 1545     | 1558     | 1566     | 1566     | 1566     |
| G 85.0 | 655      | 610      | 655      | 679      | 686      | 695      | 707      | 716      | 716      | 716      |
| G 90.0 | 91       | 79       | 91       | 95       | 95       | 95       | 100      | 111      | 111      | 111      |