

Luminaire

Code 90621L400

Name ROFY 85 /E D0400 LIGHT+ 840 HO

Measurem.

Code 25/7/2023

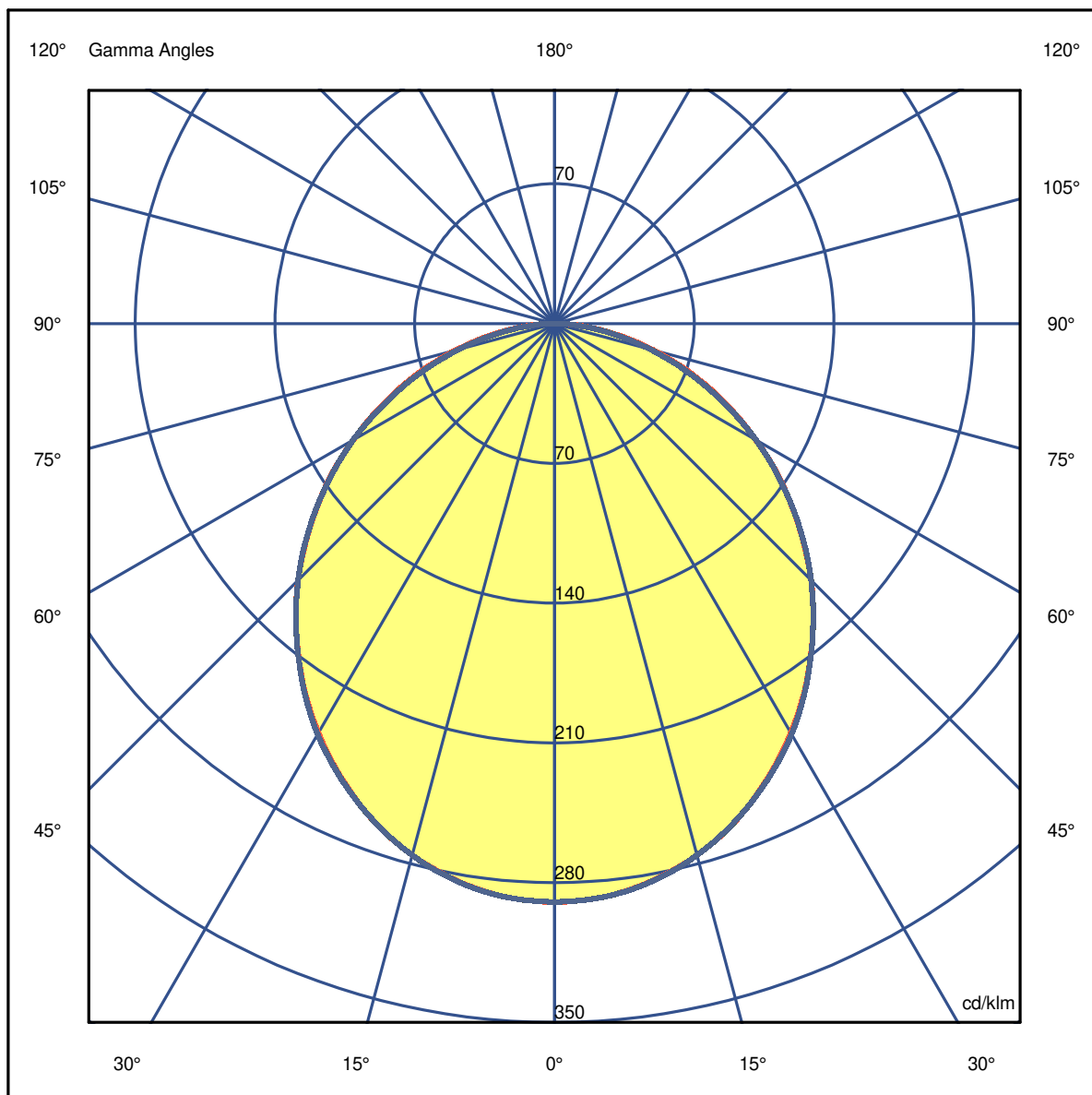
Name ROFY 85 /E D0400 LIGHT+ 840 HO

| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3368 lm | Luminaire Power | 23.9 W | Efficacy | 141.198 lm/W | Efficiency | 78.59% |
| Source Flux | 4285 lm | Maximum value | 289.70 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=400mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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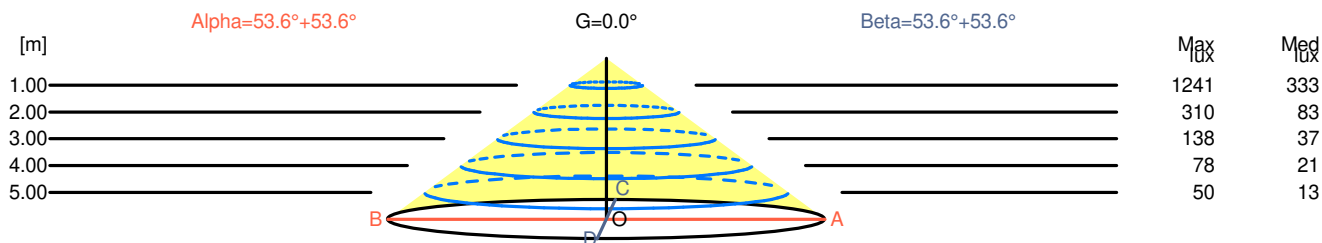
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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
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| Source Flux | 4285 lm | Maximum value | 289.70 cd/klm | Position | C=0.00 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 | 1.36 | 2.72 | 4.08 | 5.44 | 6.79 | OC | 1.36 | 2.71 | 4.07 | 5.43 | 6.78 |
| OB | 1.36 | 2.72 | 4.08 | 5.44 | 6.79 | OD | 1.36 | 2.71 | 4.07 | 5.43 | 6.78 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|--------|--------|--------|--------|--------|-------|
| OA | 1241.36 | 1234.51 | 1180.95 | 1078.96 | 941.84 | 778.58 | 595.62 | 403.65 | 218.96 | 60.42 |
| OB | 1241.36 | 1234.51 | 1180.95 | 1078.96 | 941.84 | 778.58 | 595.62 | 403.65 | 218.96 | 60.42 |
| OC | 1241.36 | 1234.51 | 1180.95 | 1080.25 | 943.13 | 778.58 | 594.33 | 399.79 | 211.68 | 55.70 |
| OD | 1241.36 | 1234.51 | 1180.95 | 1080.25 | 943.13 | 778.58 | 594.33 | 399.79 | 211.68 | 55.70 |



| H[m] | D[m] | Max lux | Med lux | Alpha=53.6°+53.6° | G=0.0 |
|------|-------|---------|---------|-------------------|-------|
| 1.00 | 2.72 | 1241 | 333 | | |
| 2.00 | 5.44 | 310 | 83 | | |
| 3.00 | 8.15 | 138 | 37 | | |
| 4.00 | 10.87 | 78 | 21 | | |
| 5.00 | 13.59 | 50 | 13 | | |

| H[m] | D[m] | Max lux | Med lux | Beta=53.6°+53.6° | G=0.0 |
|------|-------|---------|---------|------------------|-------|
| 1.00 | 2.71 | 1241 | 333 | | |
| 2.00 | 5.43 | 310 | 83 | | |
| 3.00 | 8.14 | 138 | 37 | | |
| 4.00 | 10.85 | 78 | 21 | | |
| 5.00 | 13.57 | 50 | 13 | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
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| Source Flux | 4285 lm | Maximum value | 289.70 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 | Lateral View | | | | | Viewed Endwise | | | | |
| x=2H y=2H | 19.1 | 20.4 | 19.4 | 20.7 | 20.9 | 19.1 | 20.4 | 19.4 | 20.7 | 20.9 |
| x=2H y=3H | 20.4 | 21.6 | 20.7 | 21.8 | 22.1 | 20.4 | 21.6 | 20.7 | 21.8 | 22.1 |
| x=2H y=4H | 20.8 | 22.0 | 21.2 | 22.2 | 22.5 | 20.8 | 21.9 | 21.1 | 22.2 | 22.5 |
| x=2H y=6H | 21.1 | 22.1 | 21.5 | 22.5 | 22.8 | 21.0 | 22.1 | 21.4 | 22.4 | 22.7 |
| x=2H y=8H | 21.2 | 22.2 | 21.5 | 22.5 | 22.8 | 21.1 | 22.1 | 21.5 | 22.4 | 22.7 |
| x=2H y=12H | 21.2 | 22.2 | 21.6 | 22.5 | 22.8 | 21.1 | 22.1 | 21.5 | 22.4 | 22.7 |
| x=4H y=2H | 19.7 | 20.8 | 20.0 | 21.1 | 21.4 | 19.7 | 20.8 | 20.0 | 21.1 | 21.4 |
| x=4H y=3H | 21.1 | 22.1 | 21.5 | 22.4 | 22.7 | 21.1 | 22.1 | 21.5 | 22.4 | 22.7 |
| x=4H y=4H | 21.7 | 22.6 | 22.1 | 22.9 | 23.3 | 21.7 | 22.5 | 22.0 | 22.9 | 23.2 |
| x=4H y=6H | 22.1 | 22.8 | 22.5 | 23.2 | 23.6 | 22.0 | 22.8 | 22.4 | 23.1 | 23.6 |
| x=4H y=8H | 22.2 | 22.9 | 22.6 | 23.3 | 23.7 | 22.1 | 22.8 | 22.5 | 23.2 | 23.6 |
| x=4H y=12H | 22.2 | 22.9 | 22.7 | 23.3 | 23.7 | 22.1 | 22.8 | 22.6 | 23.2 | 23.6 |
| x=8H y=4H | 21.9 | 22.6 | 22.3 | 23.0 | 23.4 | 21.9 | 22.6 | 22.3 | 22.9 | 23.4 |
| x=8H y=6H | 22.4 | 22.9 | 22.8 | 23.4 | 23.8 | 22.3 | 22.9 | 22.8 | 23.3 | 23.8 |
| x=8H y=8H | 22.5 | 23.0 | 23.0 | 23.5 | 24.0 | 22.5 | 23.0 | 23.0 | 23.4 | 23.9 |
| x=8H y=12H | 22.6 | 23.1 | 23.1 | 23.5 | 24.0 | 22.6 | 23.0 | 23.0 | 23.4 | 23.9 |
| x=12H y=4H | 21.9 | 22.5 | 22.3 | 22.9 | 23.4 | 21.9 | 22.5 | 22.3 | 22.9 | 23.3 |
| x=12H y=6H | 22.4 | 22.9 | 22.9 | 23.3 | 23.8 | 22.4 | 22.8 | 22.8 | 23.3 | 23.8 |
| x=12H y=8H | 22.6 | 23.0 | 23.1 | 23.5 | 24.0 | 22.5 | 22.9 | 23.0 | 23.4 | 23.9 |

Luminaire

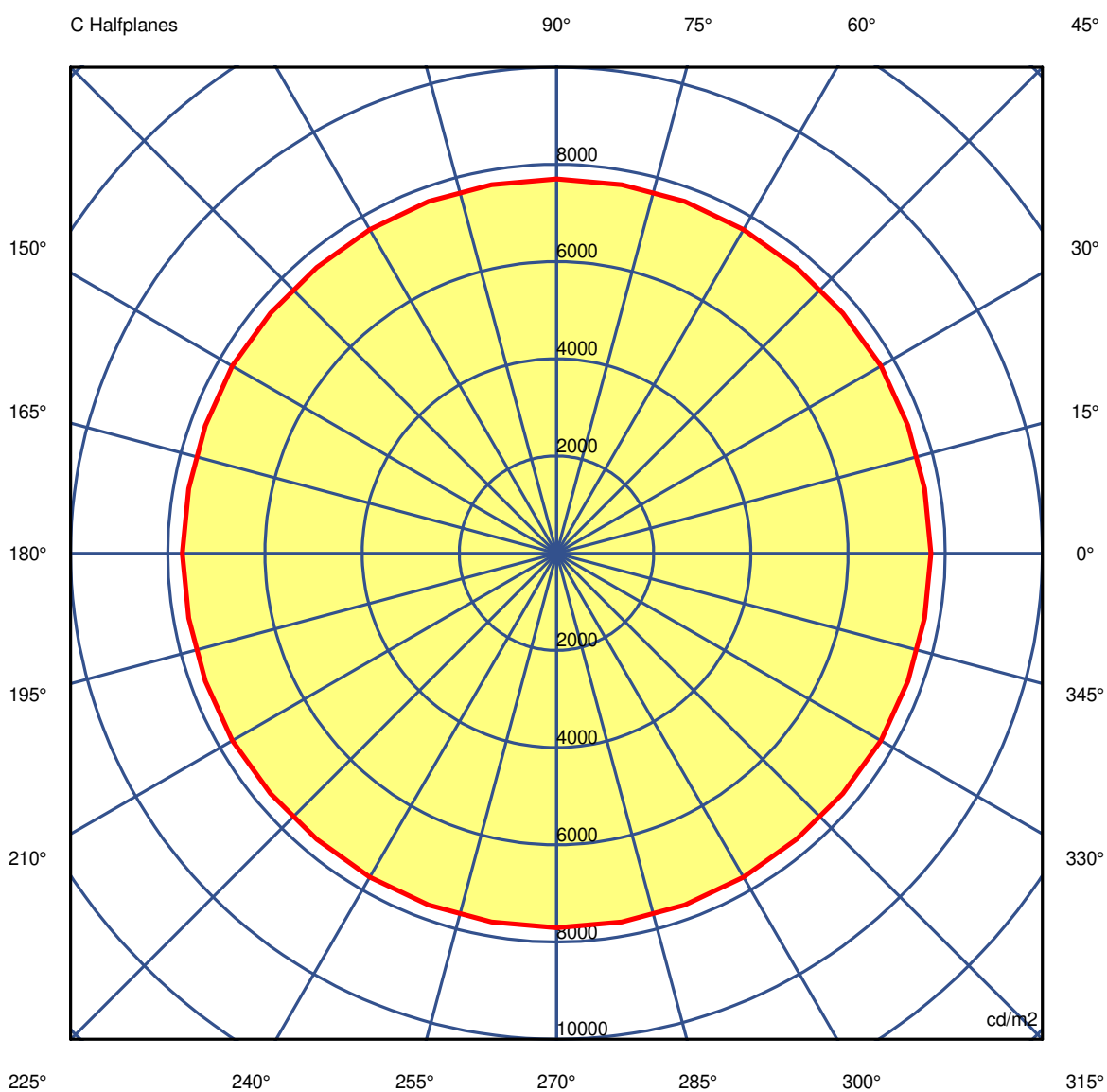
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| Luminaire Flux | 3368 lm | Luminaire Power | 23.9 W | Efficacy | 141.198 lm/W | Efficiency | 78.59% |
| Source Flux | 4285 lm | Maximum value | 289.70 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



45.0°

Luminaire

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Measurement

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Name ROFY 85 /E D0400 LIGHT+ 840 HO

| | | | | | | | | | | | | | | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux | 3368 lm | | Luminaire Power | | 23.9 W | | Efficacy | | 141.198 lm/W | | Efficiency | | 78.59% | |
| Source Flux | 4285 lm | | Maximum value | | 289.70 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 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | |
| G 5.0 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | |
| G 10.0 | 10741 | 10747 | 10750 | 10749 | 10745 | 10746 | 10749 | 10746 | 10745 | 10749 | 10745 | 10746 | 10749 | |
| G 15.0 | 10374 | 10370 | 10372 | 10377 | 10375 | 10374 | 10374 | 10374 | 10374 | 10374 | 10374 | 10374 | 10374 | |
| G 20.0 | 9979 | 9975 | 9976 | 9979 | 9979 | 9977 | 9975 | 9975 | 9975 | 9975 | 9975 | 9975 | 9975 | |
| G 25.0 | 9551 | 9560 | 9564 | 9563 | 9559 | 9559 | 9563 | 9566 | 9566 | 9563 | 9566 | 9566 | 9563 | |
| G 30.0 | 9118 | 9120 | 9125 | 9130 | 9125 | 9120 | 9122 | 9132 | 9141 | 9145 | 9141 | 9132 | 9122 | |
| G 35.0 | 8668 | 8670 | 8672 | 8672 | 8683 | 8687 | 8680 | 8676 | 8676 | 8680 | 8676 | 8676 | 8680 | |
| G 40.0 | 8195 | 8189 | 8197 | 8207 | 8197 | 8189 | 8195 | 8199 | 8197 | 8191 | 8197 | 8199 | 8195 | |
| G 45.0 | 7705 | 7688 | 7695 | 7709 | 7692 | 7683 | 7696 | 7704 | 7705 | 7705 | 7705 | 7704 | 7696 | |
| G 50.0 | 7154 | 7164 | 7155 | 7145 | 7166 | 7176 | 7163 | 7154 | 7156 | 7167 | 7156 | 7154 | 7163 | |
| G 55.0 | 6591 | 6584 | 6578 | 6572 | 6563 | 6565 | 6576 | 6585 | 6584 | 6576 | 6584 | 6585 | 6576 | |
| G 60.0 | 5944 | 5944 | 5947 | 5949 | 5941 | 5943 | 5954 | 5953 | 5946 | 5939 | 5946 | 5953 | 5954 | |
| G 65.0 | 5246 | 5235 | 5237 | 5246 | 5241 | 5225 | 5212 | 5216 | 5214 | 5195 | 5214 | 5216 | 5212 | |
| G 70.0 | 4493 | 4454 | 4444 | 4444 | 4425 | 4422 | 4431 | 4412 | 4400 | 4400 | 4400 | 4412 | 4431 | |
| G 75.0 | 3579 | 3553 | 3536 | 3523 | 3505 | 3506 | 3516 | 3495 | 3471 | 3459 | 3471 | 3495 | 3516 | |
| G 80.0 | 2559 | 2525 | 2518 | 2518 | 2471 | 2454 | 2469 | 2445 | 2419 | 2412 | 2419 | 2445 | 2469 | |
| G 85.0 | 1387 | 1371 | 1367 | 1367 | 1341 | 1320 | 1308 | 1287 | 1279 | 1279 | 1279 | 1287 | 1308 | |
| G 90.0 | 476 | 397 | 408 | 451 | 394 | 394 | 451 | 404 | 372 | 413 | 372 | 404 | 451 | |

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| Luminaire Flux | 3368 lm | | Luminaire Power | | 23.9 W | | Efficacy | | 141.198 lm/W | | Efficiency | | 78.59% | |
| Source Flux | 4285 lm | | Maximum value | | 289.70 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 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | |
| G 5.0 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | |
| G 10.0 | 10746 | 10745 | 10749 | 10750 | 10747 | 10741 | 10747 | 10750 | 10749 | 10745 | 10746 | 10749 | 10746 | |
| G 15.0 | 10374 | 10375 | 10377 | 10372 | 10370 | 10374 | 10370 | 10372 | 10377 | 10375 | 10374 | 10374 | 10374 | |
| G 20.0 | 9977 | 9979 | 9979 | 9976 | 9975 | 9979 | 9975 | 9976 | 9979 | 9979 | 9977 | 9975 | 9975 | |
| G 25.0 | 9559 | 9559 | 9563 | 9564 | 9560 | 9551 | 9560 | 9564 | 9563 | 9559 | 9563 | 9563 | 9566 | |
| G 30.0 | 9120 | 9125 | 9130 | 9125 | 9120 | 9118 | 9120 | 9125 | 9130 | 9125 | 9120 | 9122 | 9132 | |
| G 35.0 | 8687 | 8683 | 8672 | 8672 | 8670 | 8668 | 8670 | 8672 | 8672 | 8683 | 8687 | 8680 | 8676 | |
| G 40.0 | 8189 | 8197 | 8207 | 8197 | 8189 | 8195 | 8189 | 8197 | 8207 | 8197 | 8189 | 8195 | 8199 | |
| G 45.0 | 7683 | 7692 | 7709 | 7695 | 7688 | 7705 | 7688 | 7695 | 7709 | 7692 | 7683 | 7696 | 7704 | |
| G 50.0 | 7176 | 7166 | 7145 | 7155 | 7164 | 7154 | 7164 | 7155 | 7145 | 7166 | 7176 | 7163 | 7154 | |
| G 55.0 | 6565 | 6563 | 6572 | 6578 | 6584 | 6591 | 6584 | 6578 | 6572 | 6563 | 6565 | 6576 | 6585 | |
| G 60.0 | 5943 | 5941 | 5949 | 5947 | 5944 | 5944 | 5944 | 5947 | 5949 | 5941 | 5943 | 5954 | 5953 | |
| G 65.0 | 5225 | 5241 | 5246 | 5237 | 5235 | 5246 | 5235 | 5237 | 5246 | 5241 | 5225 | 5212 | 5216 | |
| G 70.0 | 4422 | 4425 | 4444 | 4444 | 4454 | 4493 | 4454 | 4444 | 4444 | 4425 | 4422 | 4431 | 4412 | |
| G 75.0 | 3506 | 3505 | 3523 | 3536 | 3553 | 3579 | 3553 | 3536 | 3523 | 3505 | 3506 | 3516 | 3495 | |
| G 80.0 | 2454 | 2471 | 2518 | 2518 | 2525 | 2559 | 2525 | 2518 | 2518 | 2471 | 2454 | 2469 | 2445 | |
| G 85.0 | 1320 | 1341 | 1367 | 1367 | 1371 | 1387 | 1371 | 1367 | 1367 | 1341 | 1320 | 1308 | 1287 | |
| G 90.0 | 394 | 394 | 451 | 408 | 397 | 476 | 397 | 408 | 451 | 394 | 394 | 451 | 404 | |

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| Luminaire Flux | 3368 lm | Luminaire Power | 23.9 W | Efficacy | 141.198 lm/W | Efficiency | 78.59% |
| Source Flux | 4285 lm | Maximum value | 289.70 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 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 | 11422 |
| G 5.0 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 | 11096 |
| G 10.0 | 10745 | 10749 | 10745 | 10746 | 10749 | 10746 | 10745 | 10749 | 10750 | 10747 |
| G 15.0 | 10374 | 10374 | 10374 | 10374 | 10374 | 10374 | 10375 | 10377 | 10372 | 10370 |
| G 20.0 | 9975 | 9975 | 9975 | 9975 | 9975 | 9977 | 9979 | 9979 | 9976 | 9975 |
| G 25.0 | 9566 | 9563 | 9566 | 9566 | 9563 | 9559 | 9559 | 9563 | 9564 | 9560 |
| G 30.0 | 9141 | 9145 | 9141 | 9132 | 9122 | 9120 | 9125 | 9130 | 9125 | 9120 |
| G 35.0 | 8676 | 8680 | 8676 | 8676 | 8680 | 8687 | 8683 | 8672 | 8672 | 8670 |
| G 40.0 | 8197 | 8191 | 8197 | 8199 | 8195 | 8189 | 8197 | 8207 | 8197 | 8189 |
| G 45.0 | 7705 | 7705 | 7705 | 7704 | 7696 | 7683 | 7692 | 7709 | 7695 | 7688 |
| G 50.0 | 7156 | 7167 | 7156 | 7154 | 7163 | 7176 | 7166 | 7145 | 7155 | 7164 |
| G 55.0 | 6584 | 6576 | 6584 | 6585 | 6576 | 6565 | 6563 | 6572 | 6578 | 6584 |
| G 60.0 | 5946 | 5939 | 5946 | 5953 | 5954 | 5943 | 5941 | 5949 | 5947 | 5944 |
| G 65.0 | 5214 | 5195 | 5214 | 5216 | 5212 | 5225 | 5241 | 5246 | 5237 | 5235 |
| G 70.0 | 4400 | 4400 | 4400 | 4412 | 4431 | 4422 | 4425 | 4444 | 4444 | 4454 |
| G 75.0 | 3471 | 3459 | 3471 | 3495 | 3516 | 3506 | 3505 | 3523 | 3536 | 3553 |
| G 80.0 | 2419 | 2412 | 2419 | 2445 | 2469 | 2454 | 2471 | 2518 | 2518 | 2525 |
| G 85.0 | 1279 | 1279 | 1279 | 1287 | 1308 | 1320 | 1341 | 1367 | 1367 | 1371 |
| G 90.0 | 372 | 413 | 372 | 404 | 451 | 394 | 394 | 451 | 408 | 397 |