

Luminaire

Code 90620L900

Name ROFY 85 D0900 GCONTROL+ 830 HO

Measurem.

Code 4/8/2023

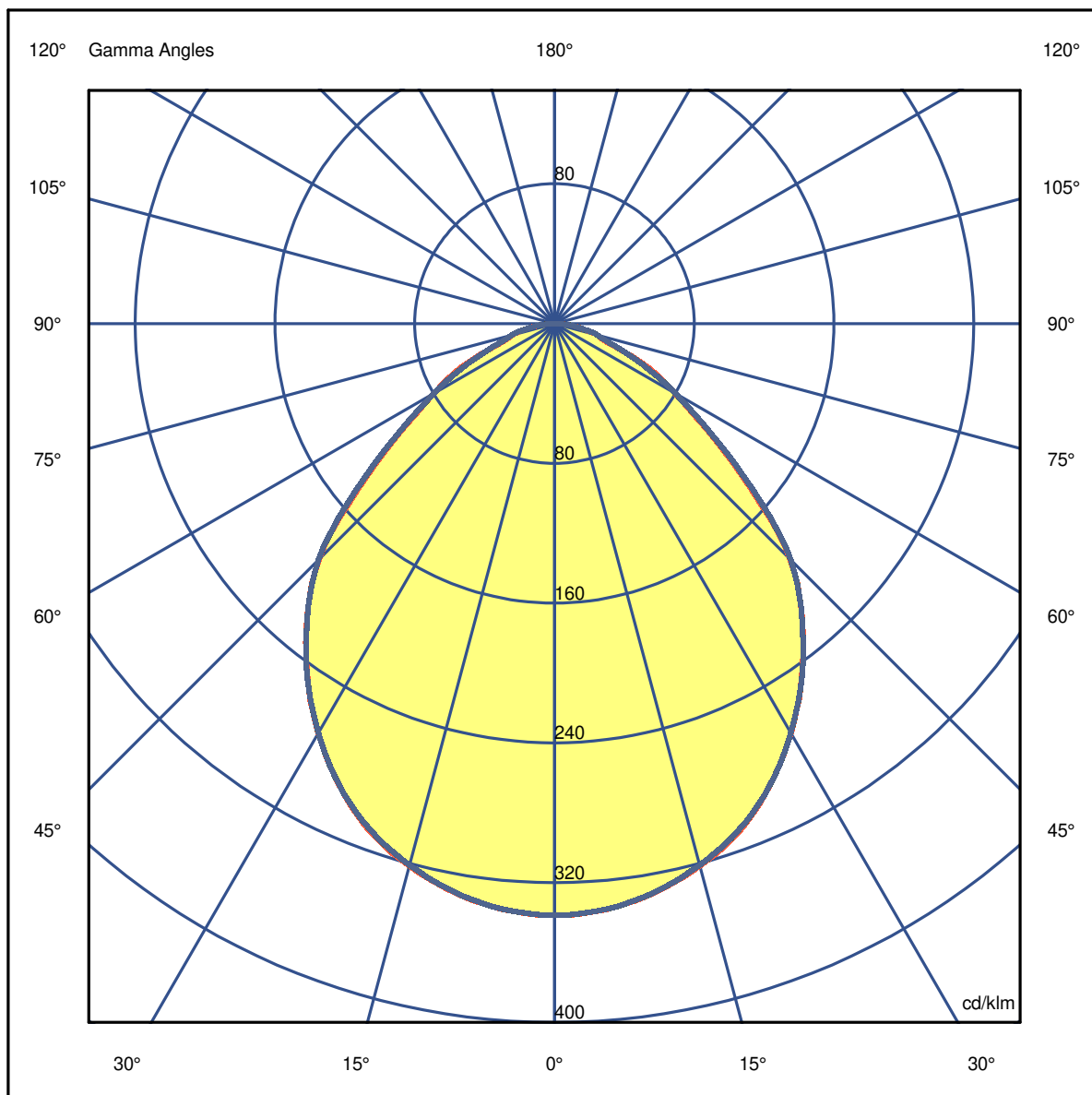
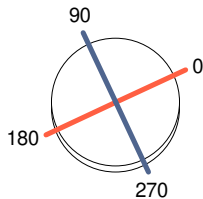
Name ROFY 85 D0900 GCONTROL+ 830 HO

| | | | | | | | |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 8643 lm | Luminaire Power | 64.9 W | Efficacy | 133.133 lm/W | Efficiency | 73.67% |
| Source Flux | 11732 lm | Maximum value | 338.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=900mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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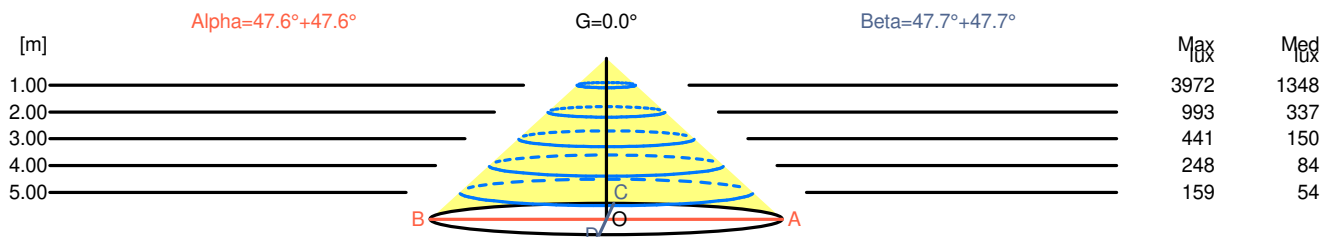
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|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 8643 lm | Luminaire Power | 64.9 W | Efficacy | 133.133 lm/W | Efficiency | 73.67% |
| Source Flux | 11732 lm | Maximum value | 338.60 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 | 1.09 | 2.19 | 3.28 | 4.38 | 5.47 | OC | 1.10 | 2.20 | 3.30 | 4.40 | 5.50 |
| OB | 1.09 | 2.19 | 3.28 | 4.38 | 5.47 | OD | 1.10 | 2.20 | 3.30 | 4.40 | 5.50 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|---------|---------|---------|--------|--------|-------|
| OA | 3972.46 | 3948.99 | 3769.49 | 3422.22 | 2893.11 | 2237.29 | 1260.02 | 687.50 | 296.82 | 84.47 |
| OB | 3972.46 | 3948.99 | 3769.49 | 3422.22 | 2893.11 | 2237.29 | 1260.02 | 687.50 | 296.82 | 84.47 |
| OC | 3972.46 | 3947.82 | 3764.80 | 3419.88 | 2895.46 | 2243.16 | 1278.79 | 654.65 | 299.17 | 83.30 |
| OD | 3972.46 | 3947.82 | 3764.80 | 3419.88 | 2895.46 | 2243.16 | 1278.79 | 654.65 | 299.17 | 83.30 |



| H[m] | D[m] | Max lux | Med lux | Alpha=47.6°+47.6° | G=0.0 | |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.19 | 3972 | 1348 | | | |
| 2.00 | 4.38 | 993 | 337 | | | |
| 3.00 | 6.57 | 441 | 150 | | | |
| 4.00 | 8.76 | 248 | 84 | | | |
| 5.00 | 10.95 | 159 | 54 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=47.7°+47.7° | G=0.0 | |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 2.20 | 3972 | 1348 | | | |
| 2.00 | 4.40 | 993 | 337 | | | |
| 3.00 | 6.60 | 441 | 150 | | | |
| 4.00 | 8.80 | 248 | 84 | | | |
| 5.00 | 10.99 | 159 | 54 | | | |

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|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 8643 lm | Luminaire Power | 64.9 W | Efficacy | 133.133 lm/W | Efficiency | 73.67% |
| Source Flux | 11732 lm | Maximum value | 338.60 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 | 16.1 | 17.3 | 16.4 | 17.5 | 17.8 | 16.2 | 17.3 | 16.4 | 17.5 | 17.8 |
| x=2H y=3H | 16.8 | 17.8 | 17.1 | 18.1 | 18.3 | 16.8 | 17.8 | 17.1 | 18.1 | 18.3 |
| x=2H y=4H | 17.0 | 18.0 | 17.3 | 18.3 | 18.5 | 17.0 | 18.0 | 17.3 | 18.2 | 18.5 |
| x=2H y=6H | 17.2 | 18.1 | 17.5 | 18.4 | 18.7 | 17.2 | 18.1 | 17.5 | 18.4 | 18.7 |
| x=2H y=8H | 17.2 | 18.1 | 17.6 | 18.4 | 18.7 | 17.2 | 18.1 | 17.6 | 18.4 | 18.7 |
| x=2H y=12H | 17.2 | 18.1 | 17.6 | 18.4 | 18.7 | 17.2 | 18.1 | 17.6 | 18.4 | 18.7 |
| x=4H y=2H | 16.3 | 17.3 | 16.6 | 17.5 | 17.8 | 16.3 | 17.3 | 16.6 | 17.6 | 17.8 |
| x=4H y=3H | 17.1 | 18.0 | 17.5 | 18.3 | 18.6 | 17.1 | 17.9 | 17.5 | 18.2 | 18.6 |
| x=4H y=4H | 17.5 | 18.2 | 17.8 | 18.5 | 18.9 | 17.4 | 18.2 | 17.8 | 18.5 | 18.9 |
| x=4H y=6H | 17.7 | 18.4 | 18.2 | 18.8 | 19.1 | 17.7 | 18.4 | 18.2 | 18.7 | 19.1 |
| x=4H y=8H | 17.8 | 18.4 | 18.3 | 18.8 | 19.2 | 17.8 | 18.4 | 18.2 | 18.8 | 19.2 |
| x=4H y=12H | 17.9 | 18.4 | 18.3 | 18.8 | 19.3 | 17.9 | 18.4 | 18.3 | 18.8 | 19.2 |
| x=8H y=4H | 17.5 | 18.1 | 18.0 | 18.5 | 18.9 | 17.5 | 18.1 | 18.0 | 18.5 | 18.9 |
| x=8H y=6H | 17.9 | 18.4 | 18.4 | 18.8 | 19.3 | 17.9 | 18.4 | 18.4 | 18.8 | 19.3 |
| x=8H y=8H | 18.1 | 18.5 | 18.6 | 19.0 | 19.4 | 18.1 | 18.5 | 18.6 | 18.9 | 19.4 |
| x=8H y=12H | 18.2 | 18.6 | 18.7 | 19.0 | 19.5 | 18.2 | 18.5 | 18.7 | 19.0 | 19.5 |
| x=12H y=4H | 17.5 | 18.1 | 18.0 | 18.5 | 18.9 | 17.5 | 18.0 | 18.0 | 18.5 | 18.9 |
| x=12H y=6H | 18.0 | 18.4 | 18.4 | 18.8 | 19.3 | 17.9 | 18.4 | 18.4 | 18.8 | 19.3 |
| x=12H y=8H | 18.1 | 18.5 | 18.6 | 19.0 | 19.5 | 18.1 | 18.5 | 18.6 | 19.0 | 19.5 |

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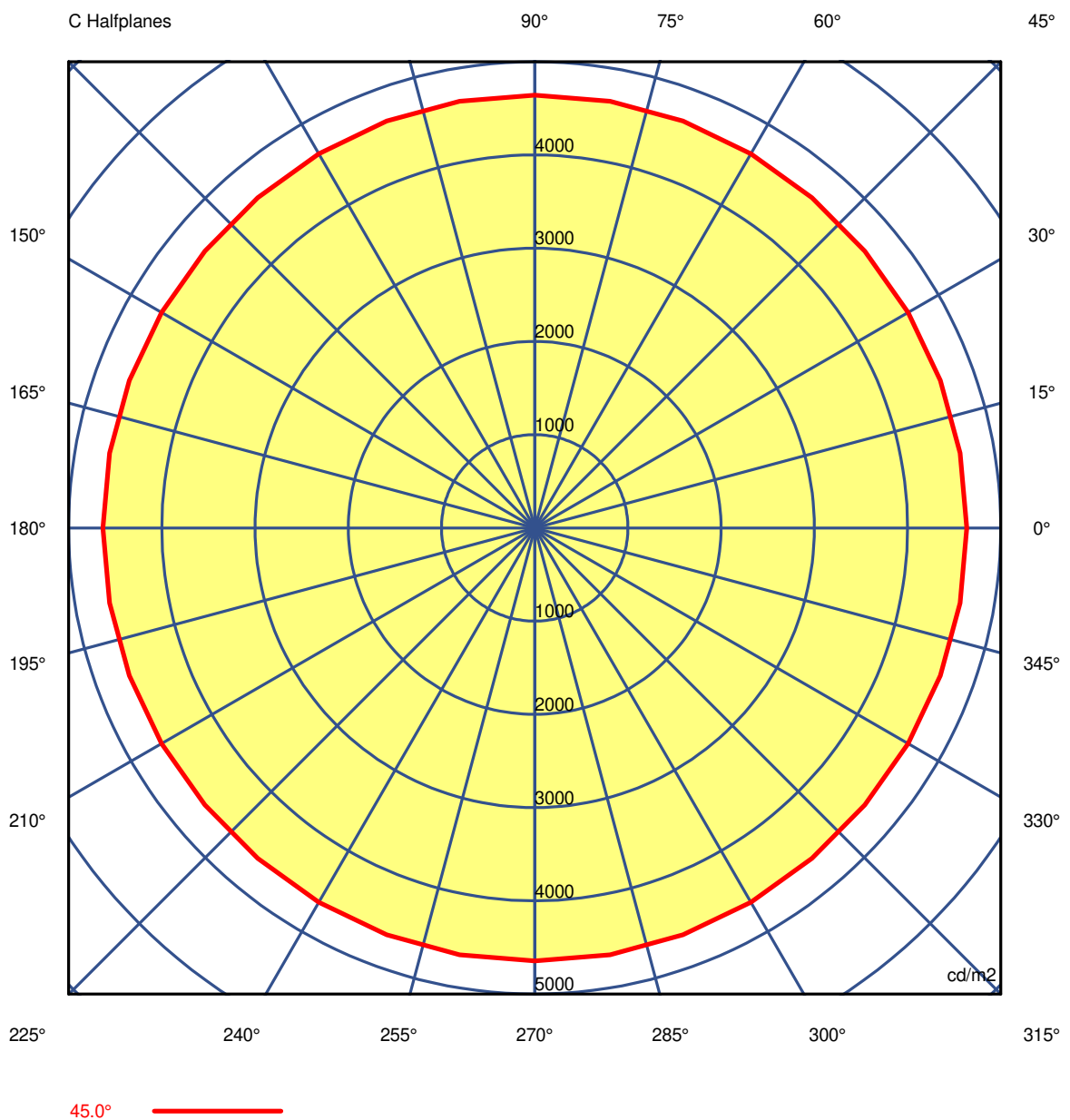
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|----------------|----------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 8643 lm | Luminaire Power | 64.9 W | Efficacy | 133.133 lm/W | Efficiency | 73.67% |
| Source Flux | 11732 lm | Maximum value | 338.60 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

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|-----------------|----------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux | 8643 lm | | Luminaire Power | | 64.9 W | | Efficacy | | 133.133 lm/W | | Efficiency | | 73.67% | |
| Source Flux | 11732 lm | | Maximum value | | 338.60 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 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | |
| G 5.0 | 6448 | 6445 | 6445 | 6448 | 6449 | 6448 | 6446 | 6445 | 6445 | 6446 | 6445 | 6445 | 6446 | |
| G 10.0 | 6338 | 6337 | 6335 | 6334 | 6333 | 6332 | 6330 | 6330 | 6331 | 6334 | 6331 | 6330 | 6330 | |
| G 15.0 | 6212 | 6209 | 6205 | 6200 | 6197 | 6195 | 6194 | 6196 | 6200 | 6204 | 6200 | 6196 | 6194 | |
| G 20.0 | 6073 | 6063 | 6051 | 6038 | 6030 | 6027 | 6030 | 6042 | 6052 | 6055 | 6052 | 6042 | 6030 | |
| G 25.0 | 5872 | 5865 | 5859 | 5854 | 5849 | 5846 | 5847 | 5854 | 5861 | 5868 | 5861 | 5854 | 5847 | |
| G 30.0 | 5630 | 5624 | 5625 | 5634 | 5647 | 5649 | 5638 | 5628 | 5626 | 5626 | 5626 | 5628 | 5638 | |
| G 35.0 | 5347 | 5349 | 5360 | 5379 | 5393 | 5396 | 5386 | 5362 | 5352 | 5351 | 5352 | 5362 | 5386 | |
| G 40.0 | 5033 | 5037 | 5044 | 5056 | 5069 | 5070 | 5060 | 5051 | 5041 | 5028 | 5041 | 5051 | 5060 | |
| G 45.0 | 4632 | 4632 | 4631 | 4625 | 4622 | 4625 | 4635 | 4644 | 4648 | 4645 | 4648 | 4644 | 4635 | |
| G 50.0 | 3832 | 3910 | 3954 | 3900 | 3730 | 3727 | 3895 | 3960 | 3937 | 3884 | 3937 | 3960 | 3895 | |
| G 55.0 | 3072 | 3302 | 3197 | 2806 | 2512 | 2489 | 2763 | 3191 | 3334 | 3118 | 3334 | 3191 | 2763 | |
| G 60.0 | 2525 | 2519 | 2333 | 1962 | 2011 | 2034 | 2032 | 2358 | 2521 | 2532 | 2521 | 2358 | 2032 | |
| G 65.0 | 2116 | 2063 | 1880 | 1611 | 1728 | 1754 | 1651 | 1852 | 1986 | 2015 | 1986 | 1852 | 1651 | |
| G 70.0 | 1437 | 1572 | 1605 | 1513 | 1376 | 1364 | 1480 | 1558 | 1558 | 1501 | 1558 | 1558 | 1480 | |
| G 75.0 | 1292 | 1337 | 1273 | 1170 | 1195 | 1197 | 1170 | 1264 | 1331 | 1303 | 1331 | 1264 | 1170 | |
| G 80.0 | 1001 | 1054 | 1103 | 1126 | 1101 | 1099 | 1126 | 1118 | 1073 | 1008 | 1073 | 1118 | 1126 | |
| G 85.0 | 662 | 749 | 829 | 846 | 760 | 757 | 837 | 812 | 732 | 653 | 732 | 812 | 837 | |
| G 90.0 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | |

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| Luminaire Flux | 8643 lm | | Luminaire Power | | 64.9 W | | Efficacy | | 133.133 lm/W | | Efficiency | | 73.67% | |
| Source Flux | 11732 lm | | Maximum value | | 338.60 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 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | |
| G 5.0 | 6448 | 6449 | 6448 | 6445 | 6445 | 6448 | 6445 | 6445 | 6448 | 6449 | 6448 | 6446 | 6445 | |
| G 10.0 | 6332 | 6333 | 6334 | 6335 | 6337 | 6338 | 6337 | 6335 | 6334 | 6333 | 6332 | 6330 | 6330 | |
| G 15.0 | 6195 | 6197 | 6200 | 6205 | 6209 | 6212 | 6209 | 6205 | 6200 | 6197 | 6195 | 6194 | 6196 | |
| G 20.0 | 6027 | 6030 | 6038 | 6051 | 6063 | 6073 | 6063 | 6051 | 6038 | 6030 | 6027 | 6030 | 6042 | |
| G 25.0 | 5846 | 5849 | 5854 | 5859 | 5865 | 5872 | 5865 | 5859 | 5854 | 5849 | 5846 | 5847 | 5854 | |
| G 30.0 | 5649 | 5647 | 5634 | 5625 | 5624 | 5630 | 5624 | 5625 | 5634 | 5647 | 5649 | 5638 | 5628 | |
| G 35.0 | 5396 | 5393 | 5379 | 5360 | 5349 | 5347 | 5349 | 5360 | 5379 | 5393 | 5396 | 5386 | 5362 | |
| G 40.0 | 5070 | 5069 | 5056 | 5044 | 5037 | 5033 | 5037 | 5044 | 5056 | 5069 | 5070 | 5060 | 5051 | |
| G 45.0 | 4625 | 4622 | 4625 | 4631 | 4632 | 4632 | 4632 | 4631 | 4625 | 4622 | 4625 | 4635 | 4644 | |
| G 50.0 | 3727 | 3730 | 3900 | 3954 | 3910 | 3832 | 3910 | 3954 | 3900 | 3730 | 3727 | 3895 | 3960 | |
| G 55.0 | 2489 | 2512 | 2806 | 3197 | 3302 | 3072 | 3302 | 3197 | 2806 | 2512 | 2489 | 2763 | 3191 | |
| G 60.0 | 2034 | 2011 | 1962 | 2333 | 2519 | 2525 | 2519 | 2333 | 1962 | 2011 | 2034 | 2032 | 2358 | |
| G 65.0 | 1754 | 1728 | 1611 | 1880 | 2063 | 2116 | 2063 | 1880 | 1611 | 1728 | 1754 | 1651 | 1852 | |
| G 70.0 | 1364 | 1376 | 1513 | 1605 | 1572 | 1437 | 1572 | 1605 | 1513 | 1376 | 1364 | 1480 | 1558 | |
| G 75.0 | 1197 | 1195 | 1170 | 1273 | 1337 | 1292 | 1337 | 1273 | 1170 | 1195 | 1197 | 1170 | 1264 | |
| G 80.0 | 1099 | 1101 | 1126 | 1103 | 1054 | 1001 | 1054 | 1103 | 1126 | 1101 | 1099 | 1126 | 1118 | |
| G 85.0 | 757 | 760 | 846 | 829 | 749 | 662 | 749 | 829 | 846 | 760 | 757 | 837 | 812 | |
| G 90.0 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | |

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| Luminaire Flux | 8643 lm | Luminaire Power | 64.9 W | Efficacy | 133.133 lm/W | Efficiency | 73.67% |
| Source Flux | 11732 lm | Maximum value | 338.60 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 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 | 6531 |
| G 5.0 | 6445 | 6446 | 6445 | 6445 | 6446 | 6448 | 6449 | 6448 | 6445 | 6445 |
| G 10.0 | 6331 | 6334 | 6331 | 6330 | 6330 | 6332 | 6333 | 6334 | 6335 | 6337 |
| G 15.0 | 6200 | 6204 | 6200 | 6196 | 6194 | 6195 | 6197 | 6200 | 6205 | 6209 |
| G 20.0 | 6052 | 6055 | 6052 | 6042 | 6030 | 6027 | 6030 | 6038 | 6051 | 6063 |
| G 25.0 | 5861 | 5868 | 5861 | 5854 | 5847 | 5846 | 5849 | 5854 | 5859 | 5865 |
| G 30.0 | 5626 | 5626 | 5626 | 5628 | 5638 | 5649 | 5647 | 5634 | 5625 | 5624 |
| G 35.0 | 5352 | 5351 | 5352 | 5362 | 5386 | 5396 | 5393 | 5379 | 5360 | 5349 |
| G 40.0 | 5041 | 5028 | 5041 | 5051 | 5060 | 5070 | 5069 | 5056 | 5044 | 5037 |
| G 45.0 | 4648 | 4645 | 4648 | 4644 | 4635 | 4625 | 4622 | 4625 | 4631 | 4632 |
| G 50.0 | 3937 | 3884 | 3937 | 3960 | 3895 | 3727 | 3730 | 3900 | 3954 | 3910 |
| G 55.0 | 3334 | 3118 | 3334 | 3191 | 2763 | 2489 | 2512 | 2806 | 3197 | 3302 |
| G 60.0 | 2521 | 2532 | 2521 | 2358 | 2032 | 2034 | 2011 | 1962 | 2333 | 2519 |
| G 65.0 | 1986 | 2015 | 1986 | 1852 | 1651 | 1754 | 1728 | 1611 | 1880 | 2063 |
| G 70.0 | 1558 | 1501 | 1558 | 1558 | 1480 | 1364 | 1376 | 1513 | 1605 | 1572 |
| G 75.0 | 1331 | 1303 | 1331 | 1264 | 1170 | 1197 | 1195 | 1170 | 1273 | 1337 |
| G 80.0 | 1073 | 1008 | 1073 | 1118 | 1126 | 1099 | 1101 | 1126 | 1103 | 1054 |
| G 85.0 | 732 | 653 | 732 | 812 | 837 | 757 | 760 | 846 | 829 | 749 |
| G 90.0 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |