

Luminaire

Code 90014L00H
Name DYNA D236 EFFICIENT 830 80° HO

Measurem.

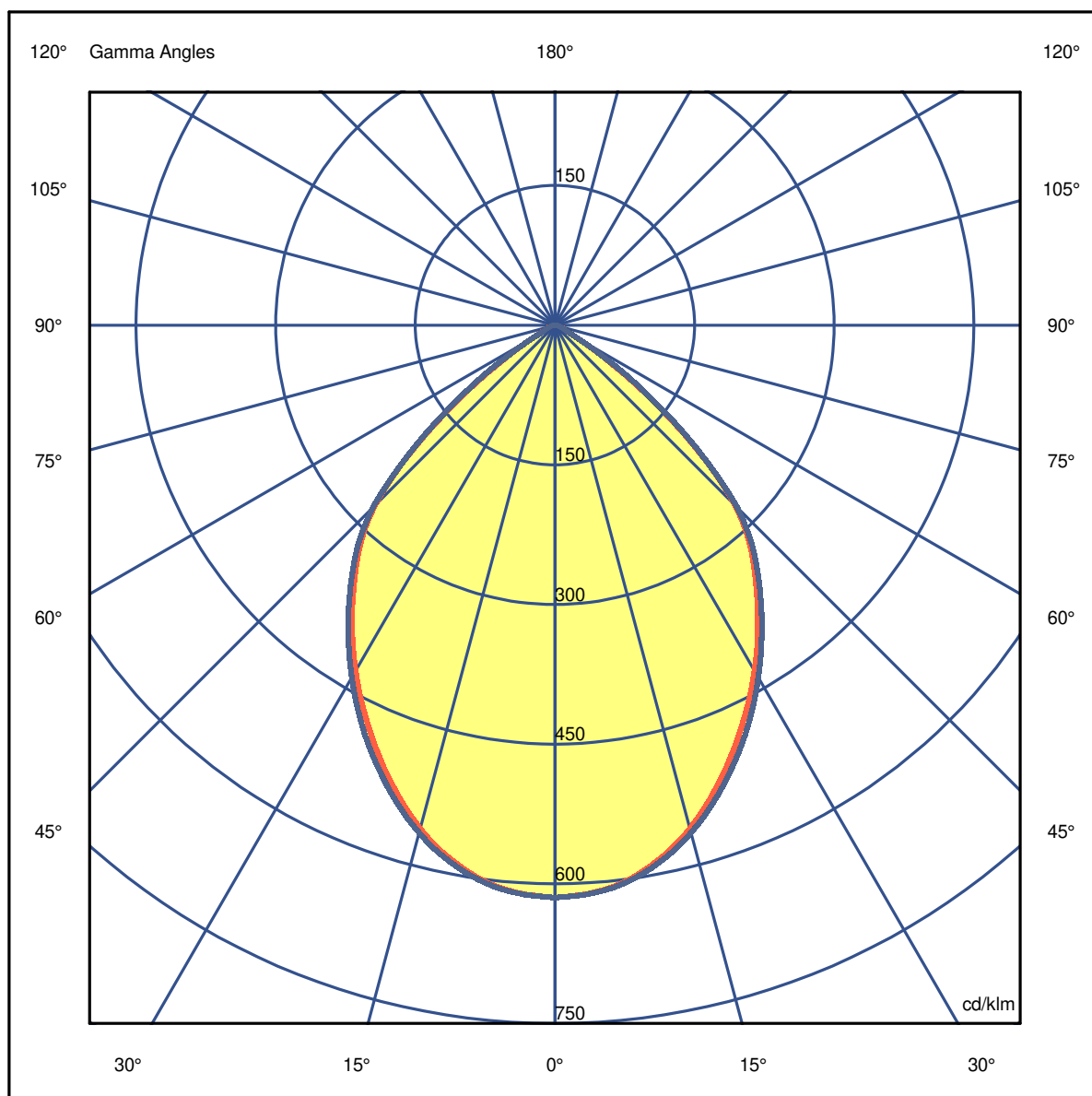
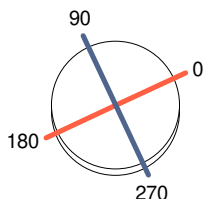
Code 21/3/2023
Name DYNA D236 EFFICIENT 830 80° HO

| | | | | | | | |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2856 lm | Luminaire Power | 24.2 W | Efficacy | 117.924 lm/W | Efficiency | 99.03% |
| Source Flux | 2884 lm | Maximum value | 614.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=236mm

C Halfplanes

180.0 — 0.0
270.0 — 90.0



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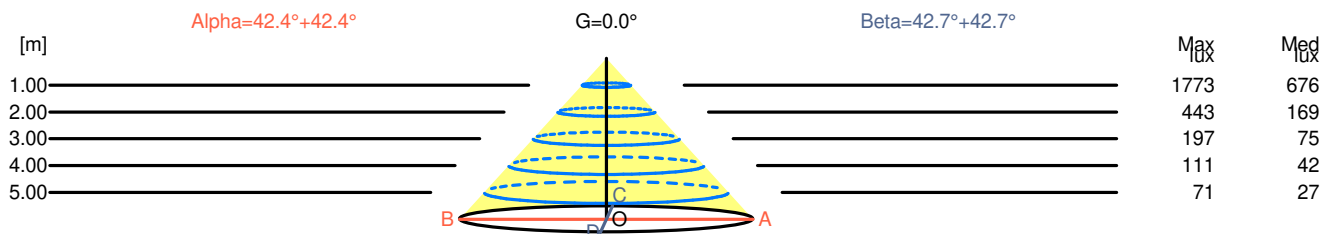
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| Source Flux | 2884 lm | Maximum value | 614.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

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 | 0.91 | 1.82 | 2.74 | 3.65 | 4.56 | OC | 0.92 | 1.85 | 2.77 | 3.69 | 4.62 |
| OB | 0.91 | 1.82 | 2.74 | 3.65 | 4.56 | OD | 0.92 | 1.85 | 2.77 | 3.69 | 4.62 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|---------|--------|--------|-------|-------|------|
| OA | 1772.51 | 1754.91 | 1613.89 | 1369.61 | 1095.92 | 789.35 | 253.22 | 34.90 | 17.02 | 4.61 |
| OB | 1772.51 | 1754.91 | 1613.89 | 1369.61 | 1095.92 | 789.35 | 253.22 | 34.90 | 17.02 | 4.61 |
| OC | 1772.51 | 1756.93 | 1627.73 | 1395.86 | 1116.68 | 796.85 | 265.33 | 32.88 | 15.00 | 4.33 |
| OD | 1772.51 | 1756.93 | 1627.73 | 1395.86 | 1116.68 | 796.85 | 265.33 | 32.88 | 15.00 | 4.33 |



| H[m] | D[m] | Max lux | Med lux | Alpha=42.4°+42.4° | G=0.0 | |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 1.82 | 1773 | 676 | | | |
| 2.00 | 3.65 | 443 | 169 | | | |
| 3.00 | 5.47 | 197 | 75 | | | |
| 4.00 | 7.30 | 111 | 42 | | | |
| 5.00 | 9.12 | 71 | 27 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=42.7°+42.7° | G=0.0 | |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 1.85 | 1773 | 676 | | | |
| 2.00 | 3.69 | 443 | 169 | | | |
| 3.00 | 5.54 | 197 | 75 | | | |
| 4.00 | 7.39 | 111 | 42 | | | |
| 5.00 | 9.23 | 71 | 27 | | | |

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|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 2856 lm | Luminaire Power | 24.2 W | Efficacy | 117.924 lm/W | Efficiency | 99.03% |
| Source Flux | 2884 lm | Maximum value | 614.60 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 | 20.1 | 21.0 | 20.3 | 21.3 | 21.5 | 20.1 | 21.1 | 20.4 | 21.3 | 21.5 |
| x=2H y=3H | 19.9 | 20.8 | 20.2 | 21.1 | 21.3 | 20.0 | 20.9 | 20.3 | 21.1 | 21.4 |
| x=2H y=4H | 19.9 | 20.7 | 20.2 | 21.0 | 21.2 | 19.9 | 20.8 | 20.3 | 21.0 | 21.3 |
| x=2H y=6H | 19.8 | 20.6 | 20.1 | 20.8 | 21.1 | 19.9 | 20.6 | 20.2 | 20.9 | 21.2 |
| x=2H y=8H | 19.8 | 20.5 | 20.1 | 20.8 | 21.1 | 19.8 | 20.6 | 20.2 | 20.9 | 21.2 |
| x=2H y=12H | 19.7 | 20.4 | 20.1 | 20.7 | 21.0 | 19.8 | 20.5 | 20.2 | 20.8 | 21.1 |
| x=4H y=2H | 19.9 | 20.7 | 20.2 | 21.0 | 21.3 | 20.0 | 20.8 | 20.3 | 21.1 | 21.3 |
| x=4H y=3H | 19.8 | 20.5 | 20.2 | 20.8 | 21.1 | 19.9 | 20.6 | 20.2 | 20.9 | 21.2 |
| x=4H y=4H | 19.8 | 20.3 | 20.1 | 20.7 | 21.0 | 19.8 | 20.4 | 20.2 | 20.7 | 21.1 |
| x=4H y=6H | 19.7 | 20.2 | 20.1 | 20.6 | 21.0 | 19.8 | 20.2 | 20.2 | 20.6 | 21.0 |
| x=4H y=8H | 19.7 | 20.1 | 20.1 | 20.5 | 20.9 | 19.7 | 20.2 | 20.1 | 20.6 | 21.0 |
| x=4H y=12H | 19.6 | 20.0 | 20.1 | 20.4 | 20.9 | 19.7 | 20.1 | 20.1 | 20.5 | 20.9 |
| x=8H y=4H | 19.7 | 20.1 | 20.1 | 20.5 | 20.9 | 19.7 | 20.2 | 20.1 | 20.6 | 21.0 |
| x=8H y=6H | 19.6 | 20.0 | 20.0 | 20.4 | 20.8 | 19.6 | 20.0 | 20.1 | 20.4 | 20.9 |
| x=8H y=8H | 19.5 | 19.9 | 20.0 | 20.3 | 20.8 | 19.6 | 19.9 | 20.1 | 20.4 | 20.8 |
| x=8H y=12H | 19.5 | 19.8 | 20.0 | 20.2 | 20.7 | 19.6 | 19.8 | 20.1 | 20.3 | 20.8 |
| x=12H y=4H | 19.6 | 20.0 | 20.1 | 20.4 | 20.9 | 19.7 | 20.1 | 20.1 | 20.5 | 20.9 |
| x=12H y=6H | 19.5 | 19.9 | 20.0 | 20.3 | 20.8 | 19.6 | 19.9 | 20.1 | 20.4 | 20.8 |
| x=12H y=8H | 19.5 | 19.8 | 20.0 | 20.2 | 20.7 | 19.6 | 19.8 | 20.1 | 20.3 | 20.8 |

Luminaire

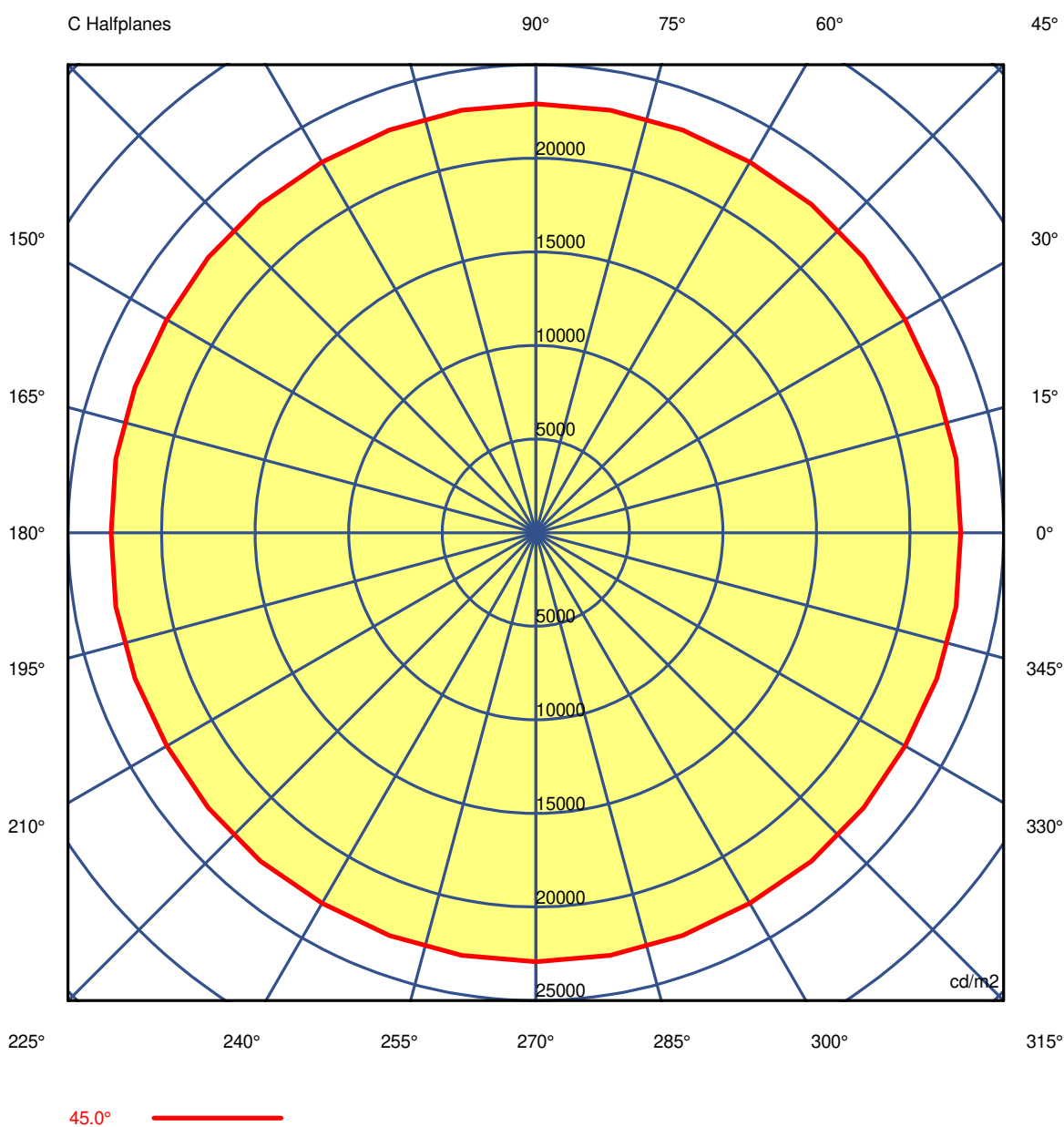
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| Luminaire Flux | 2856 lm | Luminaire Power | 24.2 W | Efficacy | 117.924 lm/W | Efficiency | 99.03% |
| Source Flux | 2884 lm | Maximum value | 614.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Luminance



Luminaire

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Measurem.

Code 21/3/2023

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| Luminaire Flux | 2856 lm | | Luminaire Power | | 24.2 W | | Efficacy | | 117.924 lm/W | | Efficiency | | 99.03% | |
|-----------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Source Flux | 2884 lm | | Maximum value | | 614.60 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 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | |
| G 5.0 | 59996 | 59996 | 59989 | 59986 | 60018 | 60038 | 60045 | 60045 | 60050 | 60065 | 60050 | 60045 | 60045 | |
| G 10.0 | 55211 | 55216 | 55227 | 55258 | 55315 | 55361 | 55389 | 55423 | 55435 | 55435 | 55435 | 55423 | 55389 | |
| G 15.0 | 50209 | 50227 | 50249 | 50299 | 50397 | 50474 | 50524 | 50593 | 50628 | 50640 | 50628 | 50593 | 50524 | |
| G 20.0 | 45082 | 45146 | 45209 | 45290 | 45405 | 45515 | 45594 | 45650 | 45691 | 45724 | 45691 | 45650 | 45594 | |
| G 25.0 | 40213 | 40277 | 40360 | 40467 | 40589 | 40718 | 40831 | 40901 | 40945 | 40984 | 40945 | 40901 | 40831 | |
| G 30.0 | 35693 | 35710 | 35777 | 35901 | 36042 | 36170 | 36268 | 36331 | 36365 | 36384 | 36365 | 36331 | 36268 | |
| G 35.0 | 31366 | 31397 | 31462 | 31564 | 31683 | 31808 | 31903 | 31926 | 31934 | 31960 | 31934 | 31926 | 31903 | |
| G 40.0 | 27305 | 27336 | 27376 | 27453 | 27582 | 27685 | 27733 | 27766 | 27774 | 27758 | 27774 | 27766 | 27733 | |
| G 45.0 | 22709 | 22795 | 22795 | 22776 | 22871 | 22904 | 22859 | 22898 | 22925 | 22925 | 22925 | 22898 | 22859 | |
| G 50.0 | 15131 | 15072 | 15077 | 15131 | 15167 | 15224 | 15274 | 15240 | 15228 | 15282 | 15228 | 15240 | 15274 | |
| G 55.0 | 7554 | 7579 | 7646 | 7743 | 7801 | 7760 | 7709 | 7804 | 7898 | 7915 | 7898 | 7804 | 7709 | |
| G 60.0 | 2448 | 2436 | 2452 | 2474 | 2474 | 2507 | 2572 | 2539 | 2492 | 2483 | 2492 | 2539 | 2572 | |
| G 65.0 | 1116 | 1109 | 1107 | 1107 | 1101 | 1095 | 1088 | 1077 | 1064 | 1052 | 1064 | 1077 | 1088 | |
| G 70.0 | 843 | 827 | 823 | 823 | 812 | 796 | 785 | 777 | 775 | 775 | 775 | 777 | 785 | |
| G 75.0 | 606 | 599 | 593 | 586 | 571 | 562 | 555 | 540 | 534 | 534 | 534 | 540 | 555 | |
| G 80.0 | 386 | 378 | 375 | 375 | 369 | 360 | 353 | 347 | 336 | 320 | 336 | 347 | 353 | |
| G 85.0 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 184 | 180 | 180 | 180 | 184 | 192 | |
| G 90.0 | 93 | 132 | 155 | 160 | 160 | 160 | 160 | 153 | 138 | 120 | 138 | 153 | 160 | |

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| Luminaire Flux | 2856 lm | | Luminaire Power | | 24.2 W | | Efficacy | | 117.924 lm/W | | Efficiency | | 99.03% | |
| Source Flux | 2884 lm | | Maximum value | | 614.60 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 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | |
| G 5.0 | 60038 | 60018 | 59986 | 59989 | 59996 | 59996 | 59996 | 59989 | 59986 | 60018 | 60038 | 60045 | 60045 | |
| G 10.0 | 55361 | 55315 | 55258 | 55227 | 55216 | 55211 | 55216 | 55227 | 55258 | 55315 | 55361 | 55389 | 55423 | |
| G 15.0 | 50474 | 50397 | 50299 | 50249 | 50227 | 50209 | 50227 | 50249 | 50299 | 50397 | 50474 | 50524 | 50593 | |
| G 20.0 | 45515 | 45405 | 45290 | 45209 | 45146 | 45082 | 45146 | 45209 | 45290 | 45405 | 45515 | 45594 | 45650 | |
| G 25.0 | 40718 | 40589 | 40467 | 40360 | 40277 | 40213 | 40277 | 40360 | 40467 | 40589 | 40718 | 40831 | 40901 | |
| G 30.0 | 36170 | 36042 | 35901 | 35777 | 35710 | 35693 | 35710 | 35777 | 35901 | 36042 | 36170 | 36268 | 36331 | |
| G 35.0 | 31808 | 31683 | 31564 | 31462 | 31397 | 31366 | 31397 | 31462 | 31564 | 31683 | 31808 | 31903 | 31926 | |
| G 40.0 | 27685 | 27582 | 27453 | 27376 | 27336 | 27305 | 27336 | 27376 | 27453 | 27582 | 27685 | 27733 | 27766 | |
| G 45.0 | 22904 | 22871 | 22776 | 22795 | 22795 | 22709 | 22795 | 22795 | 22776 | 22871 | 22904 | 22859 | 22898 | |
| G 50.0 | 15224 | 15167 | 15131 | 15077 | 15072 | 15131 | 15072 | 15077 | 15131 | 15167 | 15224 | 15274 | 15240 | |
| G 55.0 | 7760 | 7801 | 7743 | 7646 | 7579 | 7554 | 7579 | 7646 | 7743 | 7801 | 7760 | 7709 | 7804 | |
| G 60.0 | 2507 | 2474 | 2474 | 2452 | 2436 | 2448 | 2436 | 2452 | 2474 | 2474 | 2507 | 2572 | 2539 | |
| G 65.0 | 1095 | 1101 | 1107 | 1107 | 1109 | 1116 | 1109 | 1107 | 1107 | 1101 | 1095 | 1088 | 1077 | |
| G 70.0 | 796 | 812 | 823 | 823 | 827 | 843 | 827 | 823 | 823 | 812 | 796 | 785 | 777 | |
| G 75.0 | 562 | 571 | 586 | 593 | 599 | 606 | 599 | 593 | 586 | 571 | 562 | 555 | 540 | |
| G 80.0 | 360 | 369 | 375 | 375 | 378 | 386 | 378 | 375 | 375 | 369 | 360 | 353 | 347 | |
| G 85.0 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 184 | |
| G 90.0 | 160 | 160 | 160 | 155 | 132 | 93 | 132 | 155 | 160 | 160 | 160 | 160 | 153 | |

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| Source Flux | 2884 lm | Maximum value | 614.60 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 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 | 64538 |
| G 5.0 | 60050 | 60065 | 60050 | 60045 | 60045 | 60038 | 60018 | 59986 | 59989 | 59996 |
| G 10.0 | 55435 | 55435 | 55435 | 55423 | 55389 | 55361 | 55315 | 55258 | 55227 | 55216 |
| G 15.0 | 50628 | 50640 | 50628 | 50593 | 50524 | 50474 | 50397 | 50299 | 50249 | 50227 |
| G 20.0 | 45691 | 45724 | 45691 | 45650 | 45594 | 45515 | 45405 | 45290 | 45209 | 45146 |
| G 25.0 | 40945 | 40984 | 40945 | 40901 | 40831 | 40718 | 40589 | 40467 | 40360 | 40277 |
| G 30.0 | 36365 | 36384 | 36365 | 36331 | 36268 | 36170 | 36042 | 35901 | 35777 | 35710 |
| G 35.0 | 31934 | 31960 | 31934 | 31926 | 31903 | 31808 | 31683 | 31564 | 31462 | 31397 |
| G 40.0 | 27774 | 27758 | 27774 | 27766 | 27733 | 27685 | 27582 | 27453 | 27376 | 27336 |
| G 45.0 | 22925 | 22925 | 22925 | 22898 | 22859 | 22904 | 22871 | 22776 | 22795 | 22795 |
| G 50.0 | 15228 | 15282 | 15228 | 15240 | 15274 | 15224 | 15167 | 15131 | 15077 | 15072 |
| G 55.0 | 7898 | 7915 | 7898 | 7804 | 7709 | 7760 | 7801 | 7743 | 7646 | 7579 |
| G 60.0 | 2492 | 2483 | 2492 | 2539 | 2572 | 2507 | 2474 | 2474 | 2452 | 2436 |
| G 65.0 | 1064 | 1052 | 1064 | 1077 | 1088 | 1095 | 1101 | 1107 | 1107 | 1109 |
| G 70.0 | 775 | 775 | 775 | 777 | 785 | 796 | 812 | 823 | 823 | 827 |
| G 75.0 | 534 | 534 | 534 | 540 | 555 | 562 | 571 | 586 | 593 | 599 |
| G 80.0 | 336 | 320 | 336 | 347 | 353 | 360 | 369 | 375 | 375 | 378 |
| G 85.0 | 180 | 180 | 180 | 184 | 192 | 192 | 192 | 192 | 192 | 192 |
| G 90.0 | 138 | 120 | 138 | 153 | 160 | 160 | 160 | 160 | 155 | 132 |