

Luminaire

Code 05-A076-60-60_4000K
Name Perlina

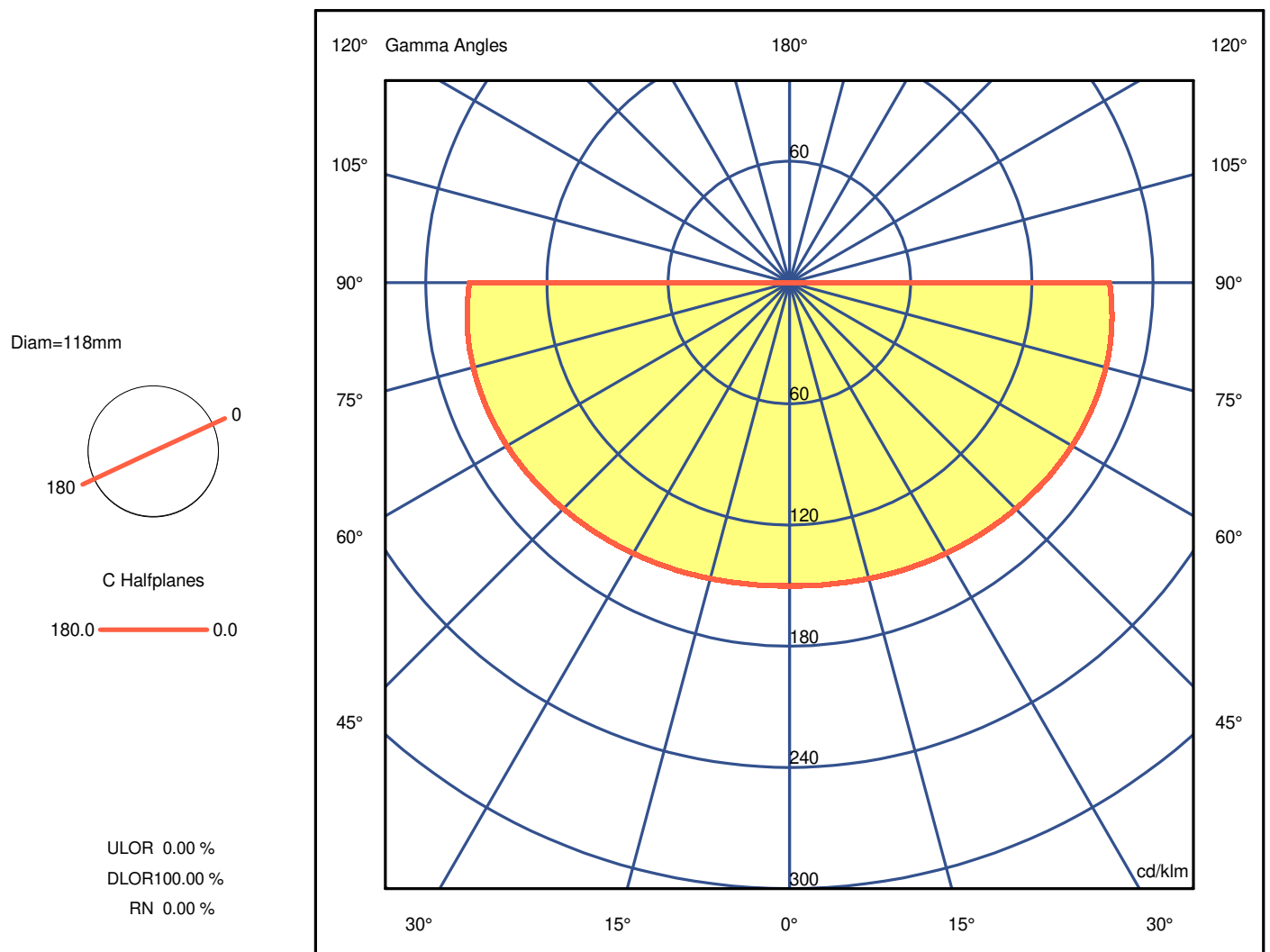
Measurement

Code 05-A076-60-60_4000K
Name Perlina

| | | | | | | | |
|----------------------------|--------|-----------------|---------------|-----------------------------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |
| Round Luminaire | | Diam. | 118 mm | Height | 1 mm | | |
| Round Luminous Area | | Diam. | 118 mm | Height | 0 mm | | |
| Horizontal Luminous Area | | | 0.010936 m2 | Emitting area on Plane 180° | | | 0.000000 m2 |
| Emitting area on Plane 0° | | | 0.000000 m2 | Emitting area on Plane 270° | | | 0.000000 m2 |
| Emitting area on Plane 90° | | | 0.000000 m2 | Glare area at 76° | | | 0.002646 m2 |
| Coordinate system | | CG | | Symmetry Type | | | Rotosymmetrical |
| Date | | 07-07-2022 | | Maximum Gamma Angle | | | 90 |
| Measurement Distance | | 0.00 | | Measurement Flux | | | 376 lm |
| Operator | | qualitat | | Rated Voltage | | | |
| Temperature | | | | Rated Current | | | |
| Humidity | | | | Photocell | | | |
| Notes | | | | | | | |

Luminaire Sources

| Line | Code LED | Name LED | Flux [lm] | Pow. [W] | Q.ty |
|--------|------------------|------------|-----------|----------|------|
| | | | 413.60 | 8.80 | 1 |
| C.I.E. | 24 49 75 100 100 | D DIN 5040 | A10 | | |
| F UTE | 1.00 J | B NBN | BZ 8 | | |



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Luminous Intensity Table cd/klm Table 1/1

| | C 0.00 | C 0.00 |
|--------|--------|---------------|
| G 0.0 | 150.17 | G 46.0 158.56 |
| G 1.0 | 150.16 | G 47.0 158.76 |
| G 2.0 | 150.16 | G 48.0 159.05 |
| G 3.0 | 150.18 | G 49.0 159.25 |
| G 4.0 | 150.22 | G 50.0 159.52 |
| G 5.0 | 150.34 | G 51.0 159.74 |
| G 6.0 | 150.45 | G 52.0 159.95 |
| G 7.0 | 150.51 | G 53.0 160.20 |
| G 8.0 | 150.58 | G 54.0 160.43 |
| G 9.0 | 150.73 | G 55.0 160.59 |
| G 10.0 | 150.83 | G 56.0 160.83 |
| G 11.0 | 150.98 | G 57.0 160.98 |
| G 12.0 | 151.17 | G 58.0 161.17 |
| G 13.0 | 151.29 | G 59.0 161.32 |
| G 14.0 | 151.47 | G 60.0 161.44 |
| G 15.0 | 151.61 | G 61.0 161.63 |
| G 16.0 | 151.80 | G 62.0 161.75 |
| G 17.0 | 152.00 | G 63.0 161.83 |
| G 18.0 | 152.18 | G 64.0 161.95 |
| G 19.0 | 152.36 | G 65.0 162.06 |
| G 20.0 | 152.58 | G 66.0 162.13 |
| G 21.0 | 152.78 | G 67.0 162.17 |
| G 22.0 | 152.98 | G 68.0 162.20 |
| G 23.0 | 153.19 | G 69.0 162.23 |
| G 24.0 | 153.42 | G 70.0 162.25 |
| G 25.0 | 153.59 | G 71.0 162.26 |
| G 26.0 | 153.85 | G 72.0 162.24 |
| G 27.0 | 154.05 | G 73.0 162.21 |
| G 28.0 | 154.27 | G 74.0 162.17 |
| G 29.0 | 154.49 | G 75.0 162.09 |
| G 30.0 | 154.72 | G 76.0 161.99 |
| G 31.0 | 154.94 | G 77.0 161.91 |
| G 32.0 | 155.17 | G 78.0 161.80 |
| G 33.0 | 155.42 | G 79.0 161.61 |
| G 34.0 | 155.62 | G 80.0 161.44 |
| G 35.0 | 155.88 | G 81.0 161.22 |
| G 36.0 | 156.10 | G 82.0 161.02 |
| G 37.0 | 156.37 | G 83.0 160.69 |
| G 38.0 | 156.59 | G 84.0 160.48 |
| G 39.0 | 156.86 | G 85.0 160.13 |
| G 40.0 | 157.06 | G 86.0 159.81 |
| G 41.0 | 157.32 | G 87.0 159.52 |
| G 42.0 | 157.56 | G 88.0 159.15 |
| G 43.0 | 157.81 | G 89.0 158.79 |
| G 44.0 | 158.08 | G 90.0 158.42 |
| G 45.0 | 158.28 | |

LedsC4

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Measur.

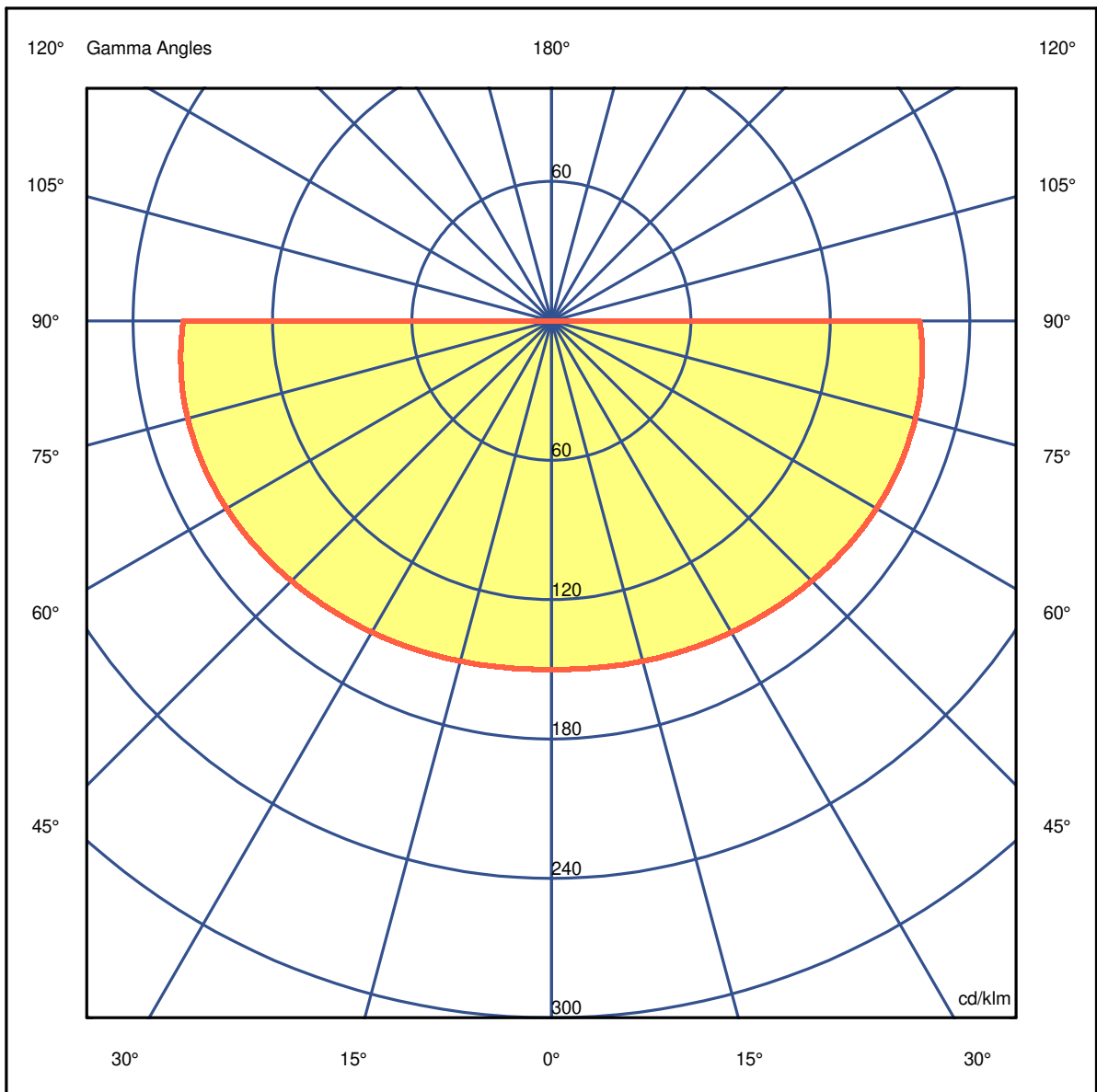
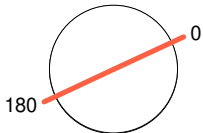
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Diam=118mm

C Halfplanes

180.0  0.0



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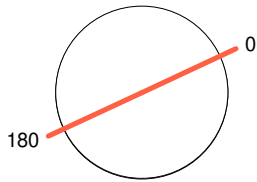
Measurem.

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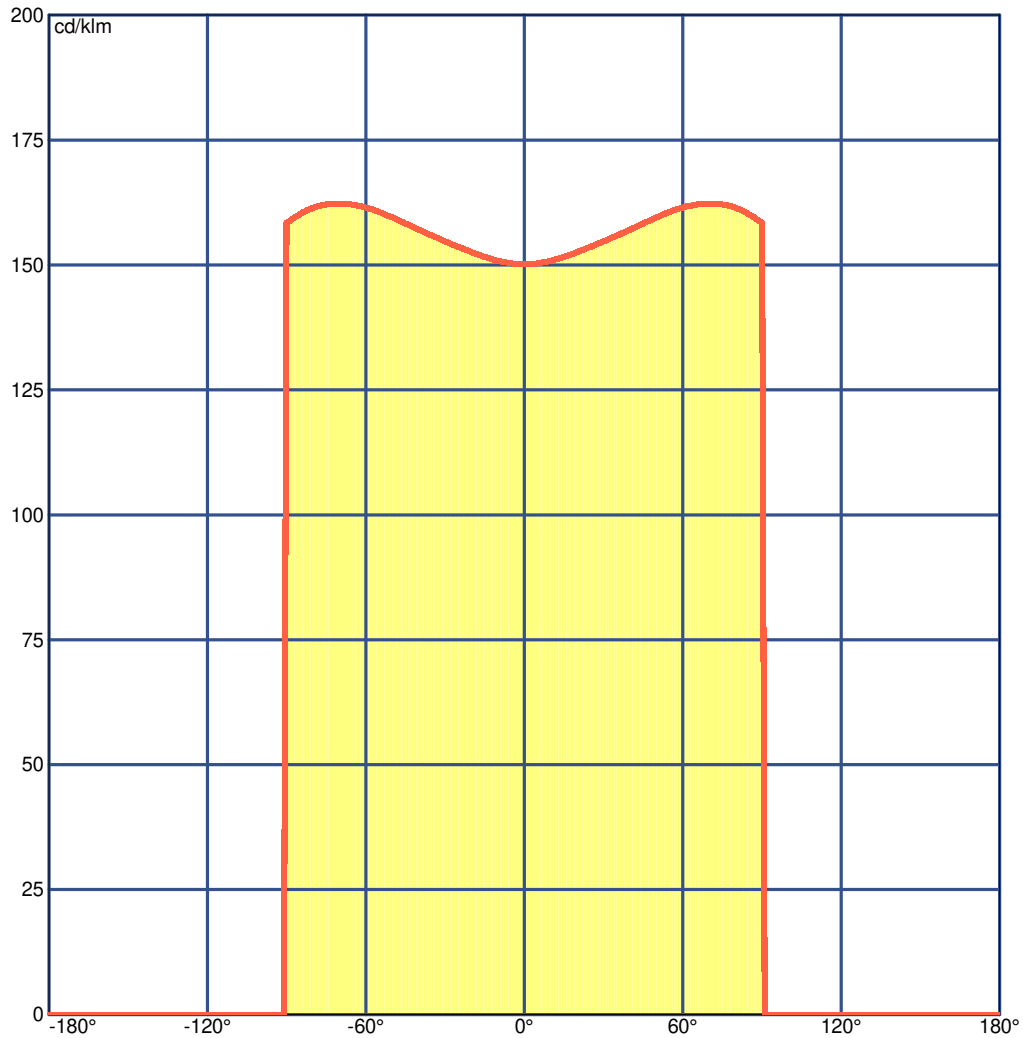
| | | | | | | | |
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C Halfplanes



180.0 ————— 0.0



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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 | 20.8 | 22.5 | 21.1 | 22.8 | 23.1 | 20.8 | 22.5 | 21.1 | 22.8 | 23.1 |
| x=2H y=3H | 24.1 | 25.7 | 24.5 | 26.0 | 26.3 | 24.1 | 25.7 | 24.5 | 26.0 | 26.3 |
| x=2H y=4H | 26.0 | 27.5 | 26.3 | 27.8 | 28.2 | 26.0 | 27.5 | 26.3 | 27.8 | 28.2 |
| x=2H y=6H | 28.1 | 29.5 | 28.5 | 29.9 | 30.2 | 28.1 | 29.5 | 28.5 | 29.9 | 30.2 |
| x=2H y=8H | 29.2 | 30.7 | 29.6 | 31.0 | 31.4 | 29.2 | 30.7 | 29.6 | 31.0 | 31.4 |
| x=2H y=12H | 30.6 | 31.9 | 31.0 | 32.3 | 32.7 | 30.6 | 31.9 | 31.0 | 32.3 | 32.7 |
| x=4H y=2H | 22.0 | 23.5 | 22.3 | 23.8 | 24.1 | 22.0 | 23.5 | 22.3 | 23.8 | 24.1 |
| x=4H y=3H | 25.4 | 26.8 | 25.8 | 27.2 | 27.5 | 25.4 | 26.8 | 25.8 | 27.2 | 27.5 |
| x=4H y=4H | 27.5 | 28.8 | 27.9 | 29.1 | 29.5 | 27.5 | 28.8 | 27.9 | 29.1 | 29.5 |
| x=4H y=6H | 29.7 | 30.9 | 30.2 | 31.3 | 31.7 | 29.7 | 30.9 | 30.2 | 31.3 | 31.7 |
| x=4H y=8H | 31.0 | 32.1 | 31.4 | 32.5 | 32.9 | 31.0 | 32.1 | 31.4 | 32.5 | 32.9 |
| x=4H y=12H | 32.4 | 33.5 | 32.9 | 33.9 | 34.3 | 32.4 | 33.5 | 32.9 | 33.9 | 34.3 |
| x=8H y=4H | 28.3 | 29.4 | 28.8 | 29.8 | 30.3 | 28.3 | 29.4 | 28.8 | 29.8 | 30.3 |
| x=8H y=6H | 30.9 | 31.8 | 31.3 | 32.3 | 32.8 | 30.9 | 31.8 | 31.3 | 32.3 | 32.8 |
| x=8H y=8H | 32.3 | 33.2 | 32.8 | 33.7 | 34.2 | 32.3 | 33.2 | 32.8 | 33.7 | 34.2 |
| x=8H y=12H | 34.0 | 34.8 | 34.5 | 35.2 | 35.8 | 34.0 | 34.8 | 34.5 | 35.2 | 35.8 |
| x=12H y=4H | 28.6 | 29.6 | 29.1 | 30.0 | 30.5 | 28.6 | 29.6 | 29.1 | 30.0 | 30.5 |
| x=12H y=6H | 31.3 | 32.1 | 31.7 | 32.6 | 33.1 | 31.3 | 32.1 | 31.7 | 32.6 | 33.1 |
| x=12H y=8H | 32.8 | 33.6 | 33.3 | 34.1 | 34.6 | 32.8 | 33.6 | 33.3 | 34.1 | 34.6 |

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| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

Total Flux=413.60 Luminaire Flux=413.60

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
| DRR | 0.15 | 0.21 | 0.26 | 0.32 | 0.37 | 0.45 | 0.52 | 0.56 | 0.63 | 0.68 | 0.80 | 0.88 |
| RC | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

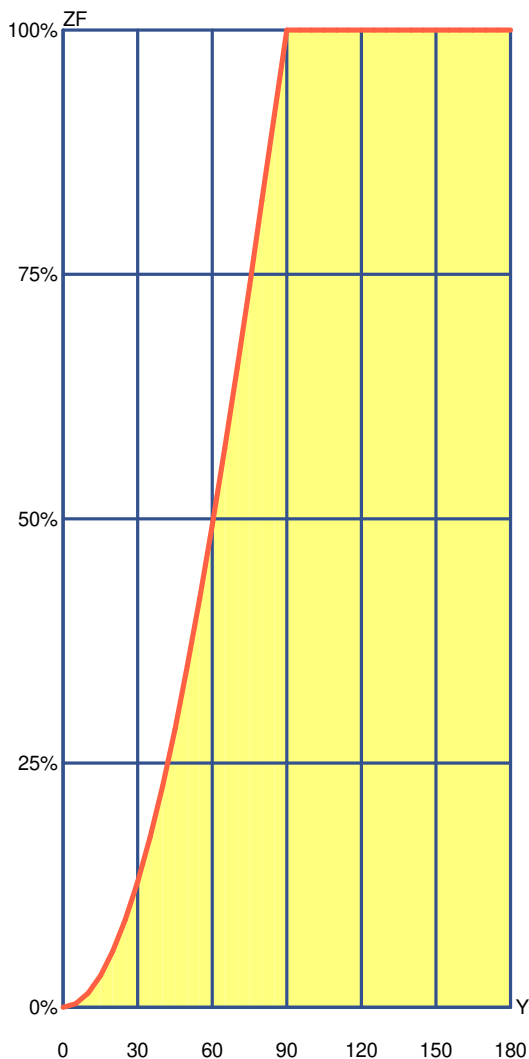
Zonal Flux per 1000 Lumen

| | | | | | | | | | | | | | | | | | | |
|-------|----|----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| ZF(Y) | 14 | 57 | 129 | 226 | 349 | 493 | 654 | 825 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

CIE Flux Codes

24 49 75 100 100

| | | | |
|------------|-----------|------|-------------|
| C.I.E. | 9 | LOR | 100.00000 % |
| D DIN 5040 | A10 | ULOR | 0.00000 % |
| F UTE | 1.00 J | DLOR | 100.00000 % |
| B NBN | BZ 8 | UFF | 0.00000 % |
| RN | 0.00000 % | DFF | 100.00000 % |
| BLF | 1.0 | FFR | 0.00000 % |



| Gamma ° | Zonal Flux | | | |
|---------|------------|---------|----------|----------|
| | Flux | Sum lm | Flux [%] | Sum [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 3.59 | 3.59 | 0.36% | 0.36 % |
| 10° | 10.77 | 14.37 | 1.08% | 1.44 % |
| 15° | 17.94 | 32.31 | 1.79% | 3.23 % |
| 20° | 25.07 | 57.38 | 2.51% | 5.74 % |
| 25° | 32.12 | 89.50 | 3.21% | 8.95 % |
| 30° | 39.02 | 128.52 | 3.90% | 12.85 % |
| 35° | 45.74 | 174.26 | 4.57% | 17.43 % |
| 40° | 52.22 | 226.48 | 5.22% | 22.65 % |
| 45° | 58.40 | 284.88 | 5.84% | 28.49 % |
| 50° | 64.22 | 349.10 | 6.42% | 34.91 % |
| 55° | 69.61 | 418.71 | 6.96% | 41.87 % |
| 60° | 74.46 | 493.17 | 7.45% | 49.32 % |
| 65° | 78.66 | 571.83 | 7.87% | 57.18 % |
| 70° | 82.13 | 653.96 | 8.21% | 65.40 % |
| 75° | 84.80 | 738.76 | 8.48% | 73.88 % |
| 80° | 86.59 | 825.35 | 8.66% | 82.54 % |
| 85° | 87.41 | 912.76 | 8.74% | 91.28 % |
| 90° | 87.24 | 1000.00 | 8.72% | 100.00 % |
| 95° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 100° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 105° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 110° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 115° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 120° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 125° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 130° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 135° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 140° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 145° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 150° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 155° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 160° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 165° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 170° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 175° | 0.00 | 1000.00 | 0.00% | 100.00 % |
| 180° | 0.00 | 1000.00 | 0.00% | 100.00 % |

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Utilizations CIE

Mounting Direct Normalization Normalised Suspension Ratid/3 Standard CIE Settings

Ceiling

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
| 0.60 | 238 | 214 | 200 | 181 | 203 | 172 | 118 | 100 | 101 | 86 | 52 | 39 | 17 | 11 | 80 | 42 | 37 | 14 | 11 | 35 | 11 | 10 | 0 |
| 0.80 | 279 | 256 | 222 | 205 | 243 | 196 | 148 | 130 | 119 | 104 | 64 | 51 | 22 | 16 | 98 | 53 | 48 | 19 | 16 | 45 | 16 | 14 | 0 |
| 1.00 | 307 | 285 | 232 | 217 | 271 | 208 | 172 | 154 | 130 | 117 | 72 | 60 | 27 | 21 | 109 | 62 | 56 | 24 | 20 | 54 | 21 | 18 | 0 |
| 1.25 | 331 | 311 | 236 | 224 | 296 | 215 | 196 | 178 | 139 | 127 | 80 | 68 | 33 | 26 | 119 | 70 | 65 | 29 | 25 | 62 | 26 | 23 | 0 |
| 1.50 | 347 | 330 | 236 | 225 | 314 | 217 | 215 | 198 | 144 | 133 | 86 | 74 | 38 | 31 | 126 | 76 | 71 | 34 | 30 | 68 | 30 | 28 | 0 |
| 2.00 | 367 | 353 | 229 | 221 | 336 | 214 | 243 | 228 | 148 | 139 | 93 | 83 | 46 | 40 | 132 | 84 | 80 | 42 | 38 | 76 | 39 | 36 | 0 |
| 2.50 | 378 | 366 | 221 | 215 | 350 | 208 | 263 | 249 | 148 | 142 | 97 | 89 | 53 | 47 | 135 | 89 | 85 | 49 | 45 | 82 | 45 | 42 | 0 |
| 3.00 | 386 | 375 | 213 | 208 | 359 | 203 | 278 | 265 | 148 | 142 | 100 | 93 | 58 | 52 | 136 | 93 | 89 | 54 | 50 | 86 | 50 | 47 | 0 |
| 4.00 | 394 | 386 | 201 | 197 | 369 | 192 | 299 | 288 | 146 | 141 | 104 | 98 | 66 | 61 | 136 | 97 | 95 | 62 | 59 | 91 | 59 | 55 | 0 |
| 5.00 | 399 | 392 | 191 | 188 | 375 | 184 | 313 | 304 | 143 | 140 | 106 | 101 | 72 | 67 | 135 | 100 | 98 | 68 | 65 | 95 | 64 | 61 | 0 |
| 10.00 | 404 | 401 | 163 | 162 | 385 | 160 | 344 | 339 | 134 | 132 | 109 | 107 | 86 | 83 | 128 | 105 | 104 | 82 | 81 | 101 | 80 | 77 | 0 |
| 20.00 | 404 | 402 | 143 | 142 | 386 | 140 | 362 | 359 | 125 | 124 | 110 | 108 | 95 | 93 | 121 | 106 | 106 | 92 | 91 | 103 | 90 | 87 | 0 |

Wall

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
| 0.60 | 536 | 523 | 489 | 479 | 516 | 474 | 407 | 399 | 382 | 376 | 320 | 316 | 276 | 274 | 373 | 316 | 314 | 275 | 274 | 313 | 274 | 273 | 254 |
| 0.80 | 628 | 614 | 563 | 553 | 604 | 546 | 491 | 482 | 455 | 448 | 391 | 385 | 342 | 340 | 443 | 385 | 383 | 340 | 339 | 381 | 339 | 338 | 315 |
| 1.00 | 700 | 686 | 619 | 610 | 673 | 602 | 561 | 551 | 514 | 507 | 449 | 442 | 398 | 395 | 500 | 442 | 440 | 396 | 394 | 437 | 394 | 393 | 368 |
| 1.25 | 773 | 759 | 675 | 667 | 743 | 657 | 634 | 623 | 574 | 567 | 510 | 503 | 459 | 455 | 559 | 502 | 499 | 456 | 454 | 496 | 453 | 451 | 423 |
| 1.50 | 832 | 819 | 720 | 713 | 801 | 703 | 696 | 684 | 624 | 618 | 561 | 555 | 510 | 506 | 608 | 553 | 550 | 507 | 505 | 546 | 504 | 501 | 471 |
| 2.00 | 920 | 909 | 786 | 781 | 888 | 770 | 791 | 779 | 700 | 694 | 641 | 635 | 592 | 587 | 683 | 631 | 629 | 587 | 585 | 623 | 583 | 580 | 546 |
| 2.50 | 987 | 977 | 837 | 833 | 954 | 822 | 864 | 854 | 758 | 753 | 704 | 698 | 656 | 652 | 741 | 693 | 691 | 651 | 649 | 684 | 646 | 642 | 606 |
| 3.00 | 1000 | 1000 | 879 | 875 | 1000 | 864 | 924 | 914 | 806 | 802 | 755 | 750 | 710 | 706 | 789 | 744 | 742 | 704 | 702 | 735 | 699 | 695 | 655 |
| 4.00 | 1000 | 1000 | 948 | 946 | 1000 | 935 | 1000 | 1000 | 885 | 882 | 840 | 835 | 799 | 795 | 868 | 828 | 826 | 792 | 790 | 818 | 786 | 780 | 738 |
| 5.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 993 | 1000 | 1000 | 948 | 945 | 908 | 904 | 870 | 867 | 932 | 896 | 894 | 863 | 861 | 885 | 856 | 849 | 805 |
| 10.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| 20.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

Working Pl.

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
| 0.60 | 482 | 468 | 449 | 438 | 459 | 431 | 326 | 318 | 314 | 307 | 234 | 229 | 177 | 175 | 302 | 229 | 228 | 175 | 174 | 226 | 174 | 174 | 153 |
| 0.80 | 577 | 561 | 531 | 519 | 547 | 510 | 408 | 398 | 390 | 381 | 304 | 297 | 239 | 236 | 374 | 296 | 294 | 237 | 235 | 291 | 235 | 234 | 211 |
| 1.00 | 653 | 637 | 595 | 584 | 619 | 571 | 479 | 466 | 453 | 444 | 365 | 357 | 296 | 292 | 434 | 355 | 352 | 293 | 291 | 348 | 290 | 289 | 265 |
| 1.25 | 729 | 712 | 657 | 646 | 690 | 632 | 552 | 538 | 517 | 508 | 429 | 420 | 358 | 353 | 495 | 417 | 414 | 353 | 351 | 408 | 350 | 347 | 323 |
| 1.50 | 788 | 772 | 704 | 694 | 747 | 678 | 612 | 598 | 569 | 560 | 481 | 472 | 410 | 405 | 544 | 468 | 465 | 404 | 402 | 458 | 400 | 396 | 372 |
| 2.00 | 877 | 863 | 773 | 765 | 832 | 748 | 707 | 693 | 649 | 640 | 566 | 557 | 496 | 491 | 622 | 550 | 547 | 489 | 486 | 538 | 483 | 478 | 454 |
| 2.50 | 939 | 926 | 819 | 813 | 892 | 795 | 777 | 763 | 705 | 698 | 628 | 620 | 561 | 555 | 677 | 611 | 607 | 553 | 549 | 596 | 545 | 538 | 516 |
| 3.00 | 984 | 973 | 853 | 847 | 936 | 829 | 829 | 816 | 747 | 740 | 675 | 667 | 612 | 606 | 718 | 657 | 654 | 602 | 598 | 641 | 593 | 585 | 563 |
| 4.00 | 1000 | 1000 | 897 | 893 | 996 | 875 | 904 | 892 | 805 | 799 | 741 | 734 | 684 | 678 | 776 | 722 | 719 | 672 | 669 | 704 | 661 | 652 | 631 |
| 5.00 | 1000 | 1000 | 926 | 923 | 1000 | 905 | 954 | 944 | 843 | 839 | 786 | 781 | 734 | 729 | 814 | 766 | 763 | 721 | 718 | 747 | 709 | 698 | 678 |
| 10.00 | 1000 | 1000 | 992 | 991 | 1000 | 974 | 1000 | 1000 | 935 | 933 | 897 | 894 | 861 | 857 | 907 | 875 | 874 | 844 | 842 | 855 | 828 | 814 | 797 |
| 20.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 993 | 992 | 970 | 968 | 947 | 945 | 967 | 947 | 946 | 928 | 927 | 926 | 910 | 892 | 878 |

LM53 SHR C0-C180: 1.591 SHR C90-C270: 1.591 SHR Square: 1.805

LedsC4

Luminaire

Code 05-A076-60-60_4000K
Name Perlina

Measurem.

Code 05-A076-60-60_4000K
Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

Right beam angle not found, gamma = 71

Right beam angle not found, gamma = 71

Luminaire

Code 05-A076-60-60_4000K
 Name Perlina

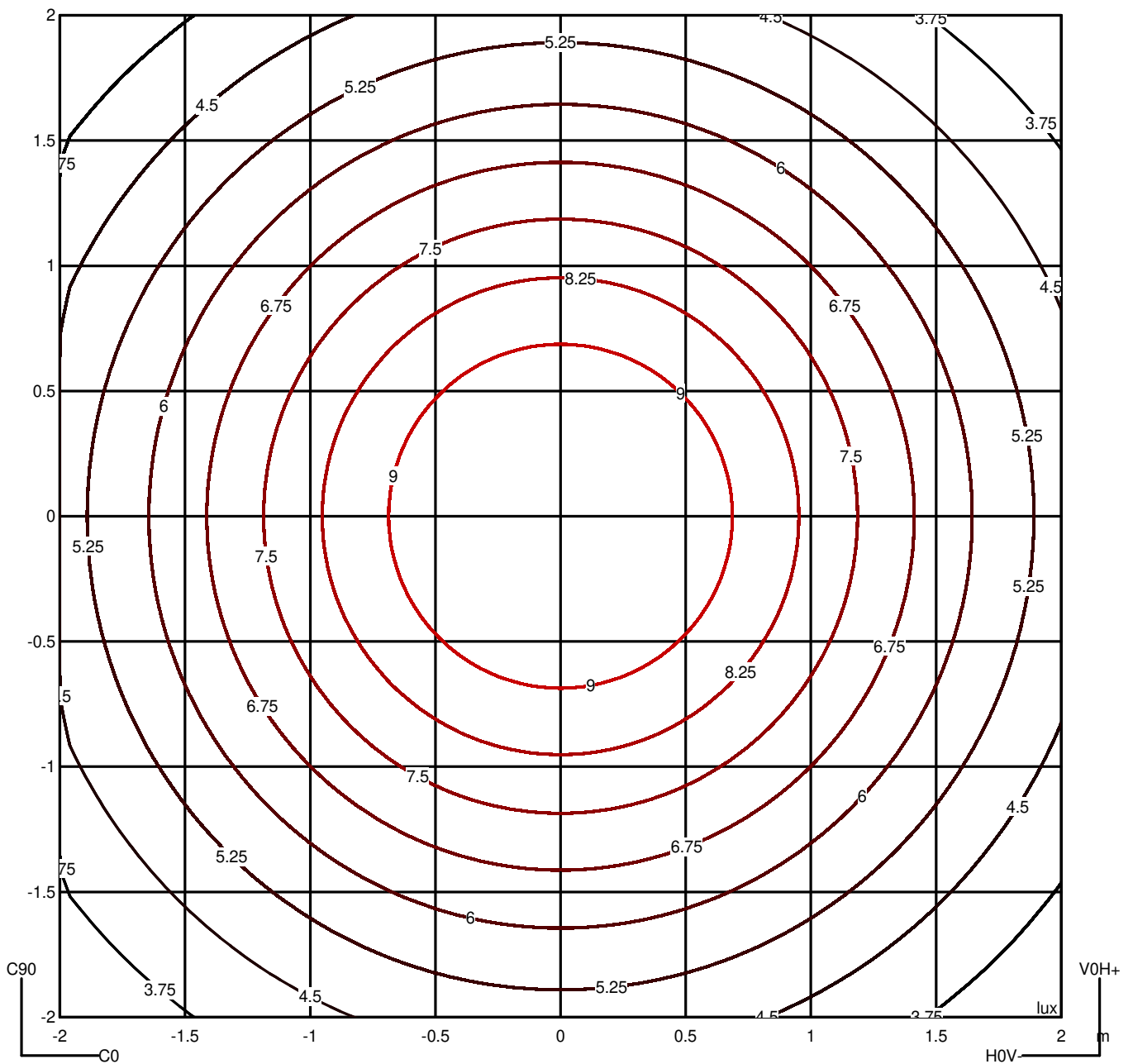
Measur.

Code 05-A076-60-60_4000K
 Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



LedsC4

Luminaire

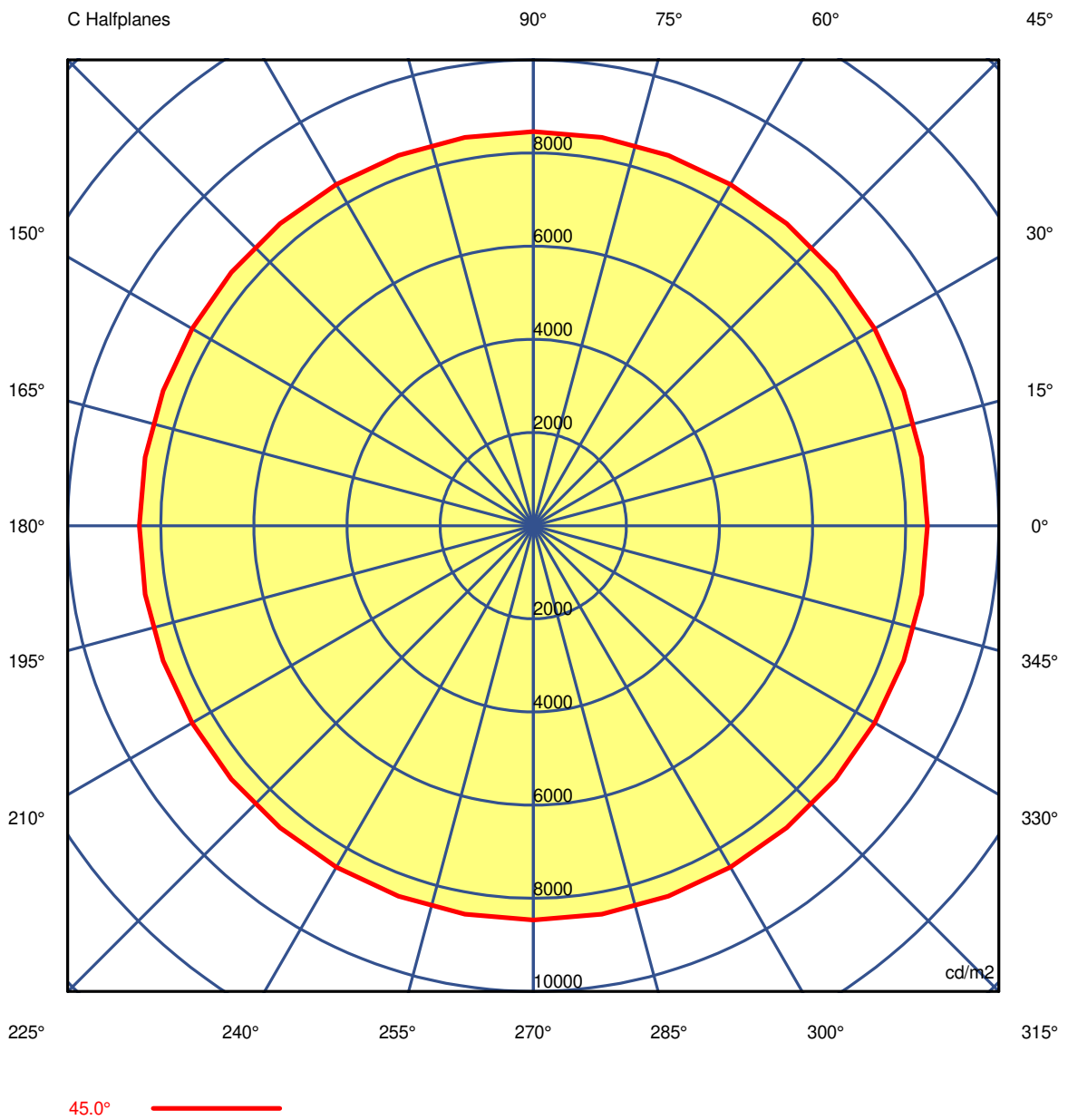
Code 05-A076-60-60_4000K
 Name Perlina

Measurem.

Code 05-A076-60-60_4000K
 Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

Luminance



Luminaire

Code 05-A076-60-60_4000K

Name Perlina

Measurement

Code 05-A076-60-60_4000K

Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

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 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 |
| G 5.0 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 |
| G 10.0 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 |
| G 15.0 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 |
| G 20.0 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 |
| G 25.0 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 |
| G 30.0 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 |
| G 35.0 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 |
| G 40.0 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 |
| G 45.0 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 |
| G 50.0 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 |
| G 55.0 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 |
| G 60.0 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 |
| G 65.0 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 |
| G 70.0 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 |
| G 75.0 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 |
| G 80.0 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 |
| G 85.0 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Luminaire

Code 05-A076-60-60_4000K
Name Perlina

Measurement

Code 05-A076-60-60_4000K
Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

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 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 |
| G 5.0 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 |
| G 10.0 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 |
| G 15.0 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 |
| G 20.0 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 |
| G 25.0 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 |
| G 30.0 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 |
| G 35.0 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 |
| G 40.0 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 |
| G 45.0 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 |
| G 50.0 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 |
| G 55.0 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 |
| G 60.0 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 |
| G 65.0 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 |
| G 70.0 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 |
| G 75.0 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 |
| G 80.0 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 |
| G 85.0 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Luminaire

Code 05-A076-60-60_4000K

Name Perlina

Measurem.

Code 05-A076-60-60_4000K

Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

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 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 | 5679.38 |
| G 5.0 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 | 5707.73 |
| G 10.0 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 | 5792.37 |
| G 15.0 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 | 5936.20 |
| G 20.0 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 | 6141.01 |
| G 25.0 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 | 6409.36 |
| G 30.0 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 | 6757.04 |
| G 35.0 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 | 7197.17 |
| G 40.0 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 | 7753.99 |
| G 45.0 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 | 8465.76 |
| G 50.0 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 | 9385.69 |
| G 55.0 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 | 10589.10 |
| G 60.0 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 | 12211.62 |
| G 65.0 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 | 14503.13 |
| G 70.0 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 | 17941.26 |
| G 75.0 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 | 23685.93 |
| G 80.0 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 | 35160.97 |
| G 85.0 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 | 69485.90 |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Luminaire

Code 05-A076-60-60_4000K

Name Perlina

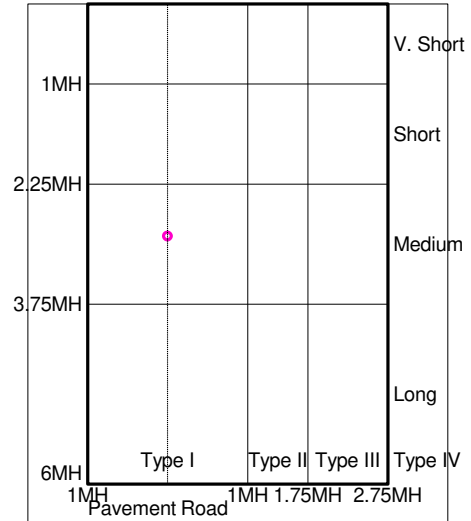
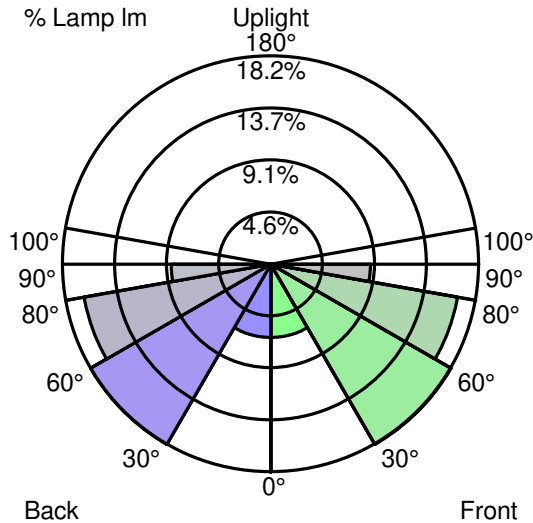
Measurement

Code 05-A076-60-60_4000K

Name Perlina

| | | | | | | | |
|----------------|--------|-----------------|---------------|----------|----------------|------------|-----------------|
| Luminaire Flux | 414 lm | Luminaire Power | 8.8 W | Efficacy | 47.000 lm/W | Efficiency | 100.00% |
| Source Flux | 414 lm | Maximum value | 162.26 cd/klm | Position | C=0.00 G=71.00 | CG | Rotosymmetrical |

US ROAD STANDARDS



| Luminaire Classification System (LCS) | | | | |
|---------------------------------------|--------------|---------------------|----------------------|-------------------------------|
| LCS Zone | | Lumens | %Lamp | %Lum |
| FL | 0° -- 30° | 26.6 lm | 6.4 % | 6.4 % |
| FM | 30° -- 60° | 75.4 lm | 18.2 % | 18.2 % |
| FH | 60° -- 80° | 68.7 lm | 16.6 % | 16.6 % |
| FVH | 80° -- 90° | 36.1 lm | 8.7 % | 8.7 % |
| BL | 0° -- 30° | 26.6 lm | 6.4 % | 6.4 % |
| BM | 30° -- 60° | 75.4 lm | 18.2 % | 18.2 % |
| BH | 60° -- 80° | 68.7 lm | 16.6 % | 16.6 % |
| BVH | 80° -- 90° | 36.1 lm | 8.7 % | 8.7 % |
| UL | 90° -- 100° | 0.0 lm | 0.0 % | 0.0 % |
| UH | 100° -- 180° | 0.0 lm | 0.0 % | 0.0 % |
| TOTALS | | 413.6 lm | 100.0 % | 100.0 % |
| | | BUG B0 U0 G1 | Type V Medium | Quadrilateral Symmetry |