

Luminaire

Code 90483L150-58

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

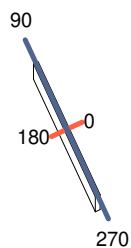
Measurem.

Code 4/7/2023

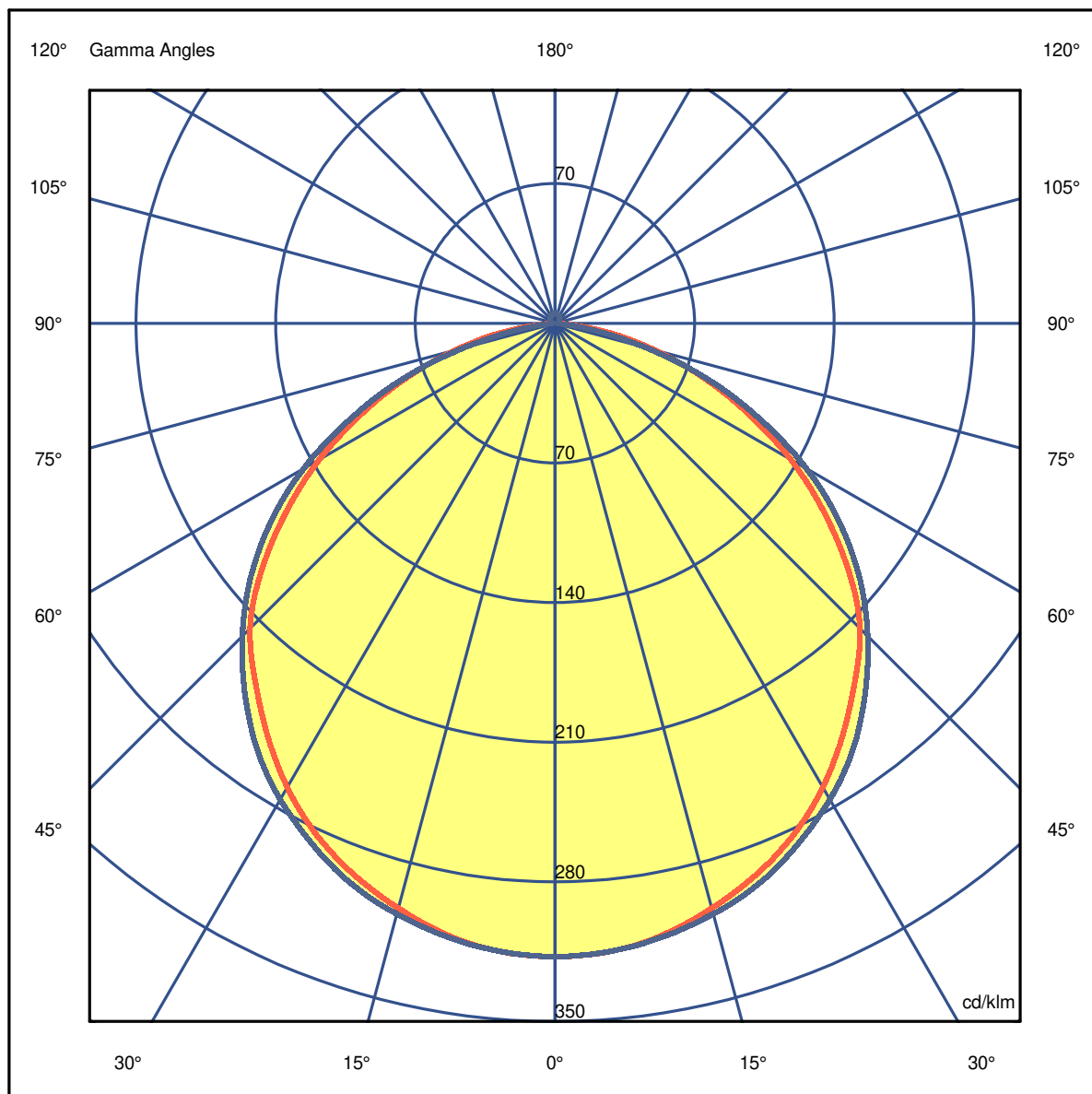
Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| | | | | | | | |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 9497 lm | Luminaire Power | 62.9 W | Efficacy | 151.014 lm/W | Efficiency | 91.63% |
| Source Flux | 10365 lm | Maximum value | 317.60 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

1460mm x 50mm



C Halfplanes



Luminaire

Code 90483L150-58
Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

Measurem.

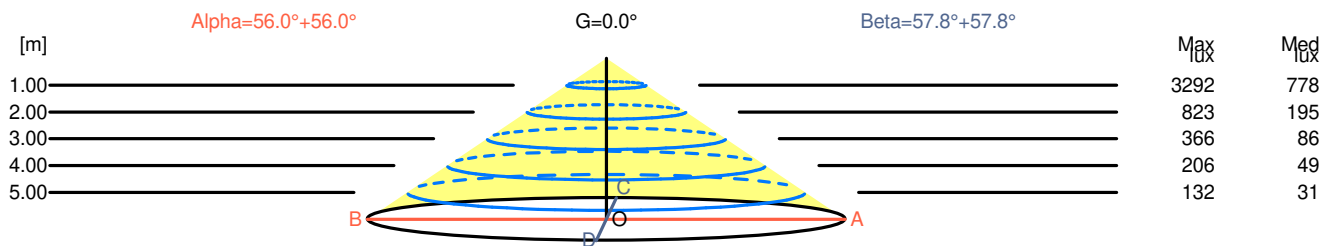
Code 4/7/2023
Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| | | | | | | | |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 9497 lm | Luminaire Power | 62.9 W | Efficacy | 151.014 lm/W | Efficiency | 91.63% |
| Source Flux | 10365 lm | Maximum value | 317.60 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 | 1.48 | 2.97 | 4.45 | 5.94 | 7.42 | OC | 1.59 | 3.17 | 4.76 | 6.34 | 7.93 |
| OB | 1.48 | 2.97 | 4.45 | 5.94 | 7.42 | OD | 1.59 | 3.17 | 4.76 | 6.34 | 7.93 |

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|----|---------|---------|---------|---------|---------|---------|---------|---------|--------|-------|
| OA | 3291.92 | 3276.38 | 3145.78 | 2932.26 | 2607.83 | 2240.91 | 1705.04 | 1103.87 | 534.83 | 82.92 |
| OB | 3291.92 | 3276.38 | 3145.78 | 2932.26 | 2607.83 | 2240.91 | 1705.04 | 1103.87 | 534.83 | 82.92 |
| OC | 3291.92 | 3275.34 | 3176.87 | 2985.12 | 2700.08 | 2297.92 | 1805.58 | 1174.35 | 488.19 | 33.17 |
| OD | 3291.92 | 3275.34 | 3176.87 | 2985.12 | 2700.08 | 2297.92 | 1805.58 | 1174.35 | 488.19 | 33.17 |



| H[m] | D[m] | Max lux | Med lux | Alpha=56.0°+56.0° | G=0.0 | |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.97 | 3292 | 778 | | | |
| 2.00 | 5.94 | 823 | 195 | | | |
| 3.00 | 8.91 | 366 | 86 | | | |
| 4.00 | 11.88 | 206 | 49 | | | |
| 5.00 | 14.84 | 132 | 31 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=57.8°+57.8° | G=0.0 | |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 3.17 | 3292 | 778 | | | |
| 2.00 | 6.34 | 823 | 195 | | | |
| 3.00 | 9.52 | 366 | 86 | | | |
| 4.00 | 12.69 | 206 | 49 | | | |
| 5.00 | 15.86 | 132 | 31 | | | |

Luminaire

Code 90483L150-58
Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

Measurem.

Code 4/7/2023
Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| | | | | | | | |
|----------------|----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 9497 lm | Luminaire Power | 62.9 W | Efficacy | 151.014 lm/W | Efficiency | 91.63% |
| Source Flux | 10365 lm | Maximum value | 317.60 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 | 22.5 | 23.8 | 22.8 | 24.1 | 24.3 | 24.3 | 25.6 | 24.6 | 25.9 | 26.1 |
| x=2H y=3H | 23.4 | 24.6 | 23.8 | 24.9 | 25.2 | 25.6 | 26.7 | 25.9 | 27.0 | 27.3 |
| x=2H y=4H | 23.7 | 24.8 | 24.1 | 25.1 | 25.5 | 26.0 | 27.0 | 26.3 | 27.4 | 27.7 |
| x=2H y=6H | 23.8 | 24.8 | 24.2 | 25.2 | 25.5 | 26.1 | 27.1 | 26.5 | 27.4 | 27.8 |
| x=2H y=8H | 23.8 | 24.8 | 24.2 | 25.2 | 25.5 | 26.1 | 27.1 | 26.5 | 27.4 | 27.8 |
| x=2H y=12H | 23.8 | 24.7 | 24.2 | 25.1 | 25.5 | 26.1 | 27.0 | 26.5 | 27.4 | 27.8 |
| x=4H y=2H | 23.1 | 24.2 | 23.5 | 24.6 | 24.9 | 24.6 | 25.7 | 25.0 | 26.0 | 26.4 |
| x=4H y=3H | 24.2 | 25.1 | 24.6 | 25.5 | 25.9 | 26.0 | 26.9 | 26.4 | 27.3 | 27.7 |
| x=4H y=4H | 24.6 | 25.4 | 25.0 | 25.8 | 26.2 | 26.5 | 27.3 | 26.9 | 27.7 | 28.1 |
| x=4H y=6H | 24.7 | 25.4 | 25.2 | 25.8 | 26.3 | 26.7 | 27.4 | 27.1 | 27.8 | 28.2 |
| x=4H y=8H | 24.7 | 25.4 | 25.2 | 25.8 | 26.3 | 26.7 | 27.3 | 27.2 | 27.8 | 28.2 |
| x=4H y=12H | 24.7 | 25.3 | 25.2 | 25.7 | 26.2 | 26.7 | 27.3 | 27.2 | 27.7 | 28.2 |
| x=8H y=4H | 24.7 | 25.4 | 25.2 | 25.8 | 26.2 | 26.5 | 27.1 | 27.0 | 27.6 | 28.0 |
| x=8H y=6H | 24.9 | 25.5 | 25.4 | 25.9 | 26.4 | 26.8 | 27.3 | 27.3 | 27.8 | 28.3 |
| x=8H y=8H | 25.0 | 25.4 | 25.5 | 25.9 | 26.4 | 26.8 | 27.3 | 27.3 | 27.7 | 28.3 |
| x=8H y=12H | 25.0 | 25.4 | 25.5 | 25.9 | 26.4 | 26.8 | 27.2 | 27.3 | 27.7 | 28.2 |
| x=12H y=4H | 24.7 | 25.3 | 25.2 | 25.7 | 26.2 | 26.5 | 27.0 | 26.9 | 27.5 | 28.0 |
| x=12H y=6H | 24.9 | 25.4 | 25.4 | 25.9 | 26.4 | 26.7 | 27.2 | 27.2 | 27.7 | 28.2 |
| x=12H y=8H | 25.0 | 25.4 | 25.5 | 25.9 | 26.4 | 26.8 | 27.2 | 27.3 | 27.7 | 28.2 |

Luminaire

Code 90483L150-58

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

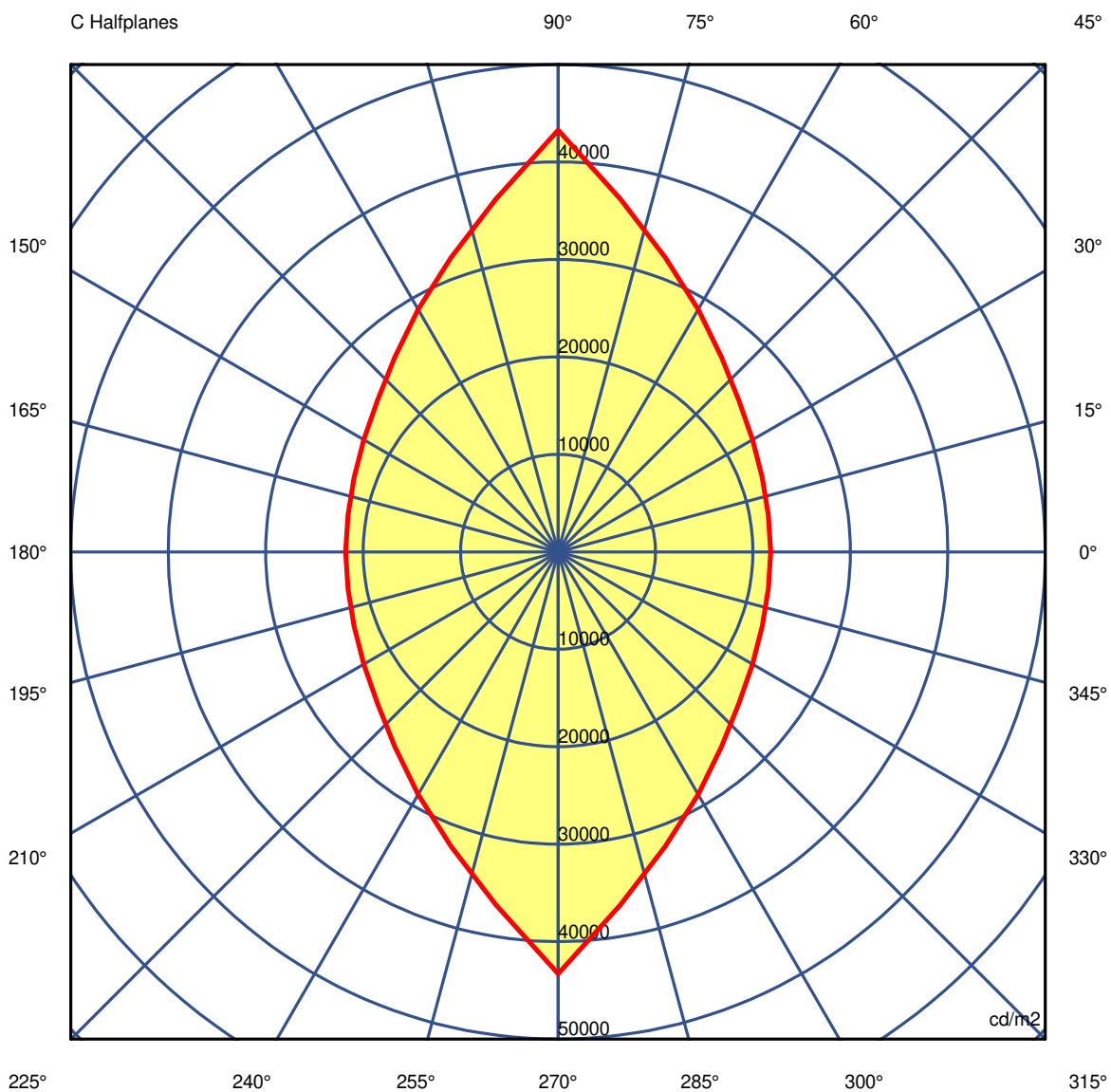
Measurem.

Code 4/7/2023

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| | | | | | | | |
|----------------|----------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 9497 lm | Luminaire Power | 62.9 W | Efficacy | 151.014 lm/W | Efficiency | 91.63% |
| Source Flux | 10365 lm | Maximum value | 317.60 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Luminance



Luminaire

Code 90483L150-58

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

Measurem.

Code 4/7/2023

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| Luminaire Flux | | 9497 lm | | Luminaire Power | | 62.9 W | | Efficacy | | 151.014 lm/W | | Efficiency | | 91.63% | |
|-----------------|--------|----------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|----------|------------|----------|--------------------|-------|
| Source Flux | | 10365 lm | | Maximum value | | 317.60 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 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 |
| G 5.0 | 41657 | 41661 | 41808 | 42065 | 42362 | 42780 | 43308 | 43843 | 44449 | 45151 | 44449 | 43843 | 43308 | 42780 | 41808 |
| G 10.0 | 38365 | 38442 | 38661 | 39048 | 39662 | 40446 | 41366 | 42439 | 43653 | 44987 | 43653 | 42439 | 41366 | 40446 | 39048 |
| G 15.0 | 35379 | 35460 | 35787 | 36358 | 37160 | 38260 | 39632 | 41150 | 42906 | 44888 | 42906 | 41150 | 39632 | 38260 | 37160 |
| G 20.0 | 32782 | 32876 | 33245 | 33893 | 34842 | 36177 | 37880 | 39839 | 42140 | 44850 | 42140 | 39839 | 37880 | 36177 | 34842 |
| G 25.0 | 30392 | 30491 | 30911 | 31642 | 32691 | 34164 | 36153 | 38510 | 41309 | 44651 | 41309 | 38510 | 36153 | 34164 | 32691 |
| G 30.0 | 28062 | 28196 | 28692 | 29511 | 30591 | 32190 | 34400 | 37087 | 40407 | 44548 | 40407 | 37087 | 34400 | 32190 | 30591 |
| G 35.0 | 25792 | 25909 | 26426 | 27331 | 28566 | 30261 | 32570 | 35611 | 39471 | 44333 | 39471 | 35611 | 32570 | 30261 | 28566 |
| G 40.0 | 23713 | 23834 | 24285 | 25090 | 26454 | 28270 | 30641 | 33931 | 38241 | 43817 | 38241 | 33931 | 30641 | 28270 | 26454 |
| G 45.0 | 21826 | 21895 | 22295 | 23040 | 24200 | 26068 | 28745 | 32144 | 36760 | 43272 | 36760 | 32144 | 28745 | 26068 | 24200 |
| G 50.0 | 19447 | 19575 | 20111 | 20992 | 22099 | 23795 | 26330 | 29787 | 34874 | 42564 | 34874 | 29787 | 26330 | 23795 | 22099 |
| G 55.0 | 16863 | 17015 | 17524 | 18470 | 19887 | 21530 | 23635 | 27127 | 32672 | 41328 | 32672 | 27127 | 23635 | 21530 | 19887 |
| G 60.0 | 14256 | 14398 | 14788 | 15565 | 16954 | 18724 | 20890 | 24074 | 29550 | 39207 | 29550 | 24074 | 20890 | 18724 | 16954 |
| G 65.0 | 11441 | 11436 | 11736 | 12408 | 13551 | 15410 | 17870 | 20624 | 25554 | 35643 | 25554 | 20624 | 17870 | 15410 | 13551 |
| G 70.0 | 8766 | 8826 | 9082 | 9563 | 10111 | 11526 | 13769 | 15875 | 20181 | 30851 | 20181 | 15875 | 13769 | 11526 | 10111 |
| G 75.0 | 6015 | 6059 | 6257 | 6664 | 7340 | 8186 | 9282 | 11119 | 14715 | 23022 | 14715 | 11119 | 9282 | 8186 | 7340 |
| G 80.0 | 3475 | 3471 | 3592 | 3845 | 4206 | 4667 | 5317 | 6418 | 8377 | 13275 | 8377 | 6418 | 5317 | 4667 | 4206 |
| G 85.0 | 1054 | 1089 | 1127 | 1196 | 1432 | 1817 | 2252 | 2579 | 2886 | 3761 | 2886 | 2579 | 2252 | 1817 | 1432 |
| G 90.0 | 357 | 360 | 375 | 404 | 438 | 512 | 647 | 806 | 1150 | 4975 | 1150 | 806 | 647 | 512 | 438 |

Luminaire

Code 90483L150-58

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

Measurement

Code 4/7/2023

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| Luminaire Flux | | 9497 lm | | Luminaire Power | | 62.9 W | | Efficacy | | 151.014 lm/W | | Efficiency | | 91.63% | | |
|-----------------|-------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|-------|-------|
| Source Flux | | 10365 lm | | Maximum value | | 317.60 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 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 |
| G 5.0 | 42780 | 42362 | 42065 | 41808 | 41661 | 41657 | 41661 | 41808 | 42065 | 42362 | 42780 | 43308 | 43843 | 44378 | 44913 | 45448 |
| G 10.0 | 40446 | 39662 | 39048 | 38661 | 38442 | 38365 | 38442 | 38661 | 39048 | 39662 | 40446 | 41366 | 42439 | 43512 | 44585 | 45658 |
| G 15.0 | 38260 | 37160 | 36358 | 35787 | 35460 | 35379 | 35460 | 35787 | 36358 | 37160 | 38260 | 39632 | 41150 | 42668 | 44186 | 45704 |
| G 20.0 | 36177 | 34842 | 33893 | 33245 | 32876 | 32782 | 32876 | 33245 | 33893 | 34842 | 36177 | 37880 | 39839 | 41898 | 43857 | 45816 |
| G 25.0 | 34164 | 32691 | 31642 | 30911 | 30491 | 30392 | 30491 | 30911 | 31642 | 32691 | 34164 | 36153 | 38510 | 40967 | 43424 | 45881 |
| G 30.0 | 32190 | 30591 | 29511 | 28692 | 28196 | 28062 | 28196 | 28692 | 29511 | 30591 | 32190 | 34400 | 37087 | 39774 | 42461 | 45148 |
| G 35.0 | 30261 | 28566 | 27331 | 26426 | 25909 | 25792 | 25909 | 26426 | 27331 | 28566 | 30261 | 32570 | 35611 | 38652 | 41693 | 44734 |
| G 40.0 | 28270 | 26454 | 25090 | 24285 | 23834 | 23713 | 23834 | 24285 | 25090 | 26454 | 28270 | 30641 | 33931 | 37221 | 40511 | 43801 |
| G 45.0 | 26068 | 24200 | 23040 | 22295 | 21895 | 21826 | 21895 | 22295 | 23040 | 24200 | 26068 | 28745 | 32144 | 35543 | 38942 | 42341 |
| G 50.0 | 23795 | 22099 | 20992 | 20111 | 19575 | 19447 | 19575 | 20111 | 20992 | 22099 | 23795 | 26330 | 29787 | 33244 | 36701 | 40158 |
| G 55.0 | 21530 | 19887 | 18470 | 17524 | 17015 | 16863 | 17015 | 17524 | 18470 | 19887 | 21530 | 23635 | 27127 | 30619 | 34111 | 37603 |
| G 60.0 | 18724 | 16954 | 15565 | 14788 | 14398 | 14256 | 14398 | 14788 | 15565 | 16954 | 18724 | 20890 | 24074 | 27258 | 30442 | 33626 |
| G 65.0 | 15410 | 13551 | 12408 | 11736 | 11436 | 11441 | 11436 | 11736 | 12408 | 13551 | 15410 | 17870 | 20624 | 23378 | 26132 | 28886 |
| G 70.0 | 11526 | 10111 | 9563 | 9082 | 8826 | 8766 | 8826 | 9082 | 9563 | 10111 | 11526 | 13769 | 15875 | 17981 | 20087 | 22193 |
| G 75.0 | 8186 | 7340 | 6664 | 6257 | 6059 | 6015 | 6059 | 6257 | 6664 | 7340 | 8186 | 9282 | 11119 | 12956 | 14793 | 16630 |
| G 80.0 | 4667 | 4206 | 3845 | 3592 | 3471 | 3475 | 3471 | 3592 | 3845 | 4206 | 4667 | 5317 | 6418 | 7519 | 8620 | 9721 |
| G 85.0 | 1817 | 1432 | 1196 | 1127 | 1089 | 1054 | 1089 | 1127 | 1196 | 1432 | 1817 | 2252 | 2579 | 2906 | 3233 | 3560 |
| G 90.0 | 512 | 438 | 404 | 375 | 360 | 357 | 360 | 375 | 404 | 438 | 512 | 647 | 806 | 965 | 1124 | 1283 |

Luminaire

Code 90483L150-58

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

Measurem.

Code 4/7/2023

Name TTP 50 LINE L1460 TUP 830 SRT/MID HO

| | | | | | | | |
|----------------|----------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 9497 lm | Luminaire Power | 62.9 W | Efficacy | 151.014 lm/W | Efficiency | 91.63% |
| Source Flux | 10365 lm | Maximum value | 317.60 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 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 | 45343 |
| G 5.0 | 44449 | 45151 | 44449 | 43843 | 43308 | 42780 | 42362 | 42065 | 41808 | 41661 |
| G 10.0 | 43653 | 44987 | 43653 | 42439 | 41366 | 40446 | 39662 | 39048 | 38661 | 38442 |
| G 15.0 | 42906 | 44888 | 42906 | 41150 | 39632 | 38260 | 37160 | 36358 | 35787 | 35460 |
| G 20.0 | 42140 | 44850 | 42140 | 39839 | 37880 | 36177 | 34842 | 33893 | 33245 | 32876 |
| G 25.0 | 41309 | 44651 | 41309 | 38510 | 36153 | 34164 | 32691 | 31642 | 30911 | 30491 |
| G 30.0 | 40407 | 44548 | 40407 | 37087 | 34400 | 32190 | 30591 | 29511 | 28692 | 28196 |
| G 35.0 | 39471 | 44333 | 39471 | 35611 | 32570 | 30261 | 28566 | 27331 | 26426 | 25909 |
| G 40.0 | 38241 | 43817 | 38241 | 33931 | 30641 | 28270 | 26454 | 25090 | 24285 | 23834 |
| G 45.0 | 36760 | 43272 | 36760 | 32144 | 28745 | 26068 | 24200 | 23040 | 22295 | 21895 |
| G 50.0 | 34874 | 42564 | 34874 | 29787 | 26330 | 23795 | 22099 | 20992 | 20111 | 19575 |
| G 55.0 | 32672 | 41328 | 32672 | 27127 | 23635 | 21530 | 19887 | 18470 | 17524 | 17015 |
| G 60.0 | 29550 | 39207 | 29550 | 24074 | 20890 | 18724 | 16954 | 15565 | 14788 | 14398 |
| G 65.0 | 25554 | 35643 | 25554 | 20624 | 17870 | 15410 | 13551 | 12408 | 11736 | 11436 |
| G 70.0 | 20181 | 30851 | 20181 | 15875 | 13769 | 11526 | 10111 | 9563 | 9082 | 8826 |
| G 75.0 | 14715 | 23022 | 14715 | 11119 | 9282 | 8186 | 7340 | 6664 | 6257 | 6059 |
| G 80.0 | 8377 | 13275 | 8377 | 6418 | 5317 | 4667 | 4206 | 3845 | 3592 | 3471 |
| G 85.0 | 2886 | 3761 | 2886 | 2579 | 2252 | 1817 | 1432 | 1196 | 1127 | 1089 |
| G 90.0 | 1150 | 4975 | 1150 | 806 | 647 | 512 | 438 | 404 | 375 | 360 |