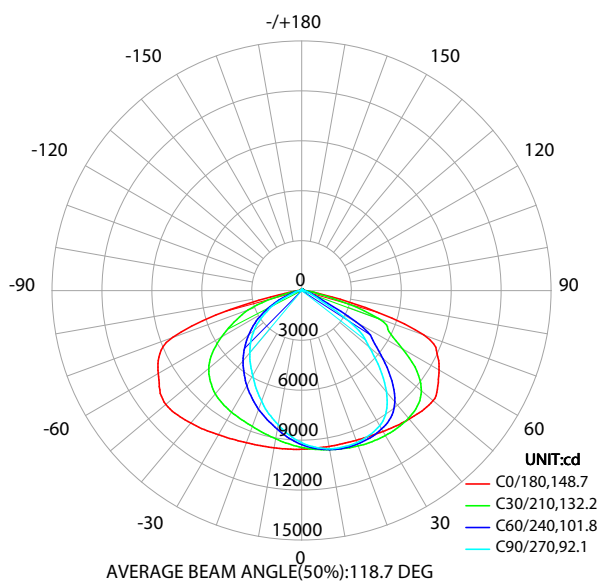
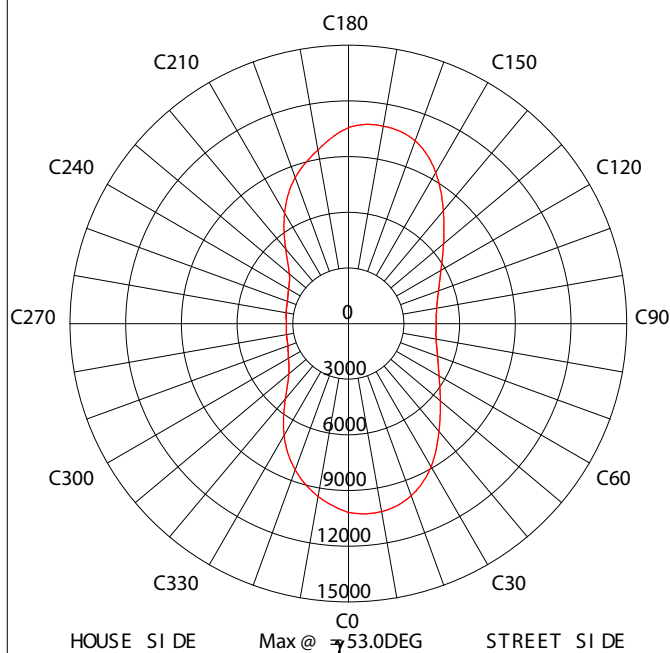


## STREETLIGHT PHOTOMETRIC TEST REPORT

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |

| DATA OF LAMP     |         | PHOTOMETRIC DATA         |          |                           |      | Eff: 156.27 lm/W |
|------------------|---------|--------------------------|----------|---------------------------|------|------------------|
| MODEL            |         | Imax(cd)                 | 10815    | $\eta_{street\_up}(\%)$   | 0.8  |                  |
| NOMINAL POWER(W) | 200     | LOR(%)                   | 100.0    | $\eta_{street\_down}(\%)$ | 54.6 |                  |
| RATED VOLTAGE(V) | 220     | TOTAL FLUX(lm)           | 30817    | $\eta_{house\_up}(\%)$    | 0.8  |                  |
| NOMINAL FLUX(lm) | 30817.4 | MAXIMUM @ (C, $\gamma$ ) | 170,53.0 | $\eta_{house\_down}(\%)$  | 43.8 |                  |
| LAMPS INSIDE     | 1       | $\eta_{up}(\%)$          | 1.6      | 76 FLASHAREA(m2)          |      |                  |
| TEST VOLTAGE(V)  | 220     | $\eta_{down}(\%)$        | 98.4     | SLI                       |      |                  |

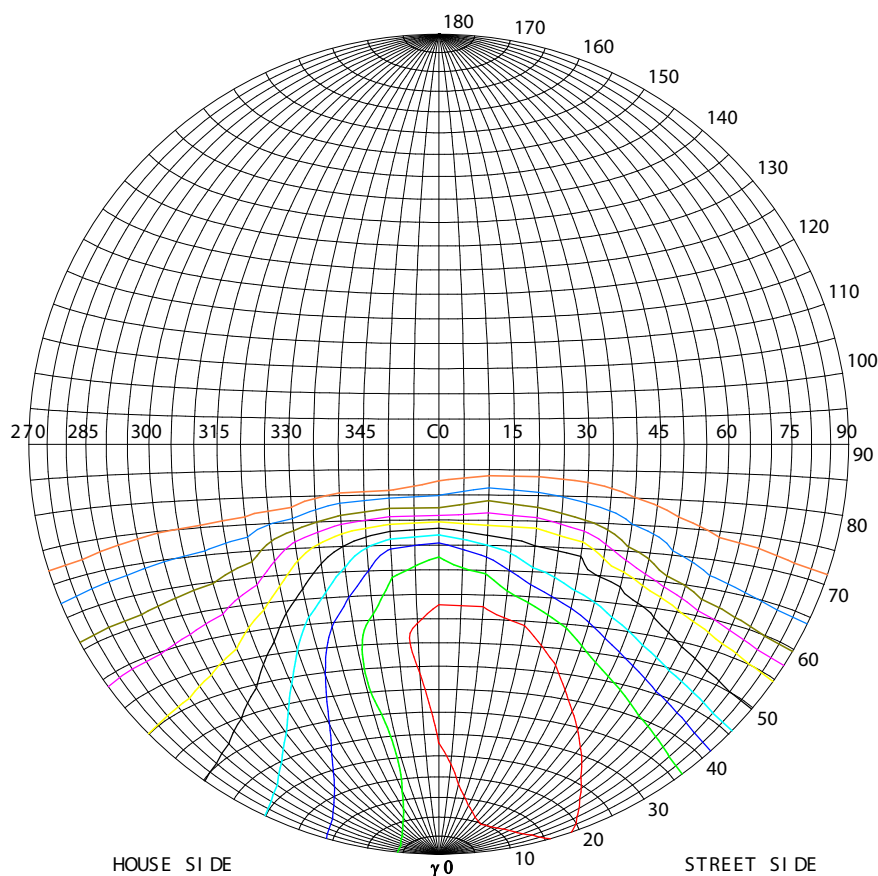
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3  
Operators: C  
Test Date: 29 July 2026

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 9.500m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |



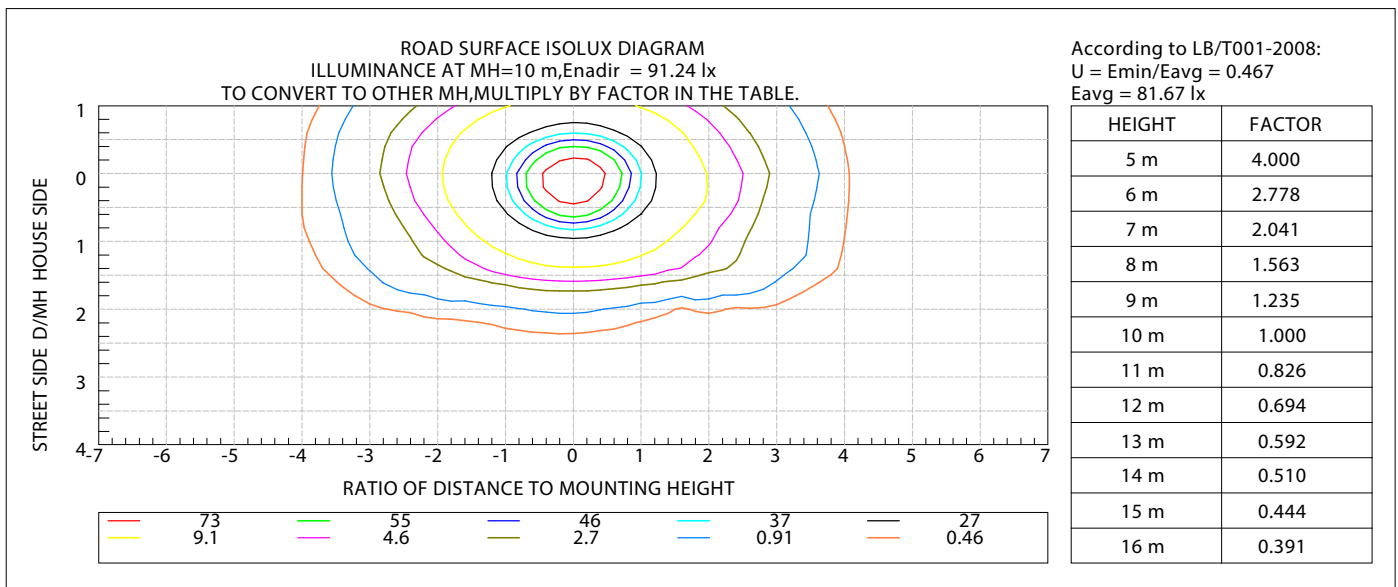
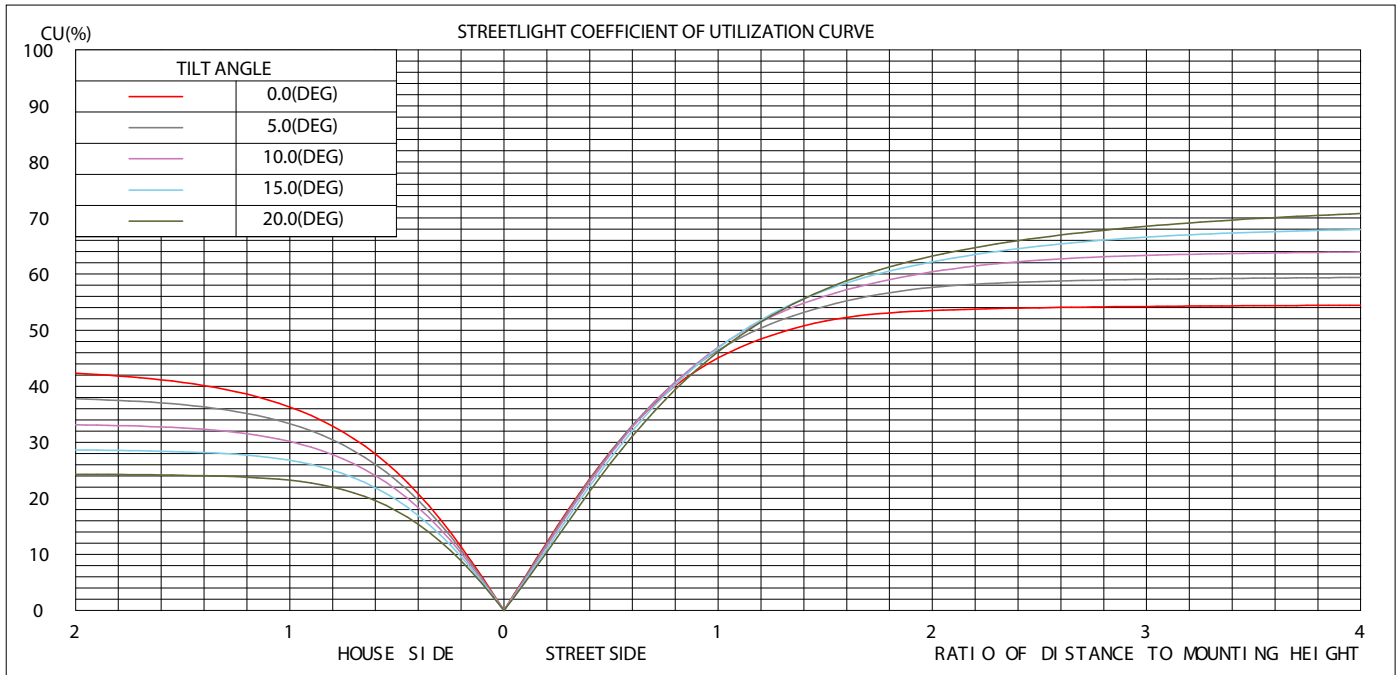
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:52.28cd/klm  
Max.At90:3.857cd/klm  
Max.80-90:52.28cd/klm  
NRB 5101:Semi limited[12.6%]

| ISOCANDELA DIAGRAM     |  |       |
|------------------------|--|-------|
| UNIT                   |  | cd    |
| I <sub>max</sub> =100% |  | 10815 |
| 90%                    |  | 9733  |
| 80%                    |  | 8652  |
| 70%                    |  | 7570  |
| 60%                    |  | 6489  |
| 50%                    |  | 5407  |
| 40%                    |  | 4326  |
| 30%                    |  | 3244  |
| 20%                    |  | 2163  |
| 10%                    |  | 1081  |
| 5%                     |  | 541   |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3  
Operators: C  
Test Date: 29 July 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 9.500m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3  
Operators: C  
Test Date: 29 July 2026

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 9.500m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |

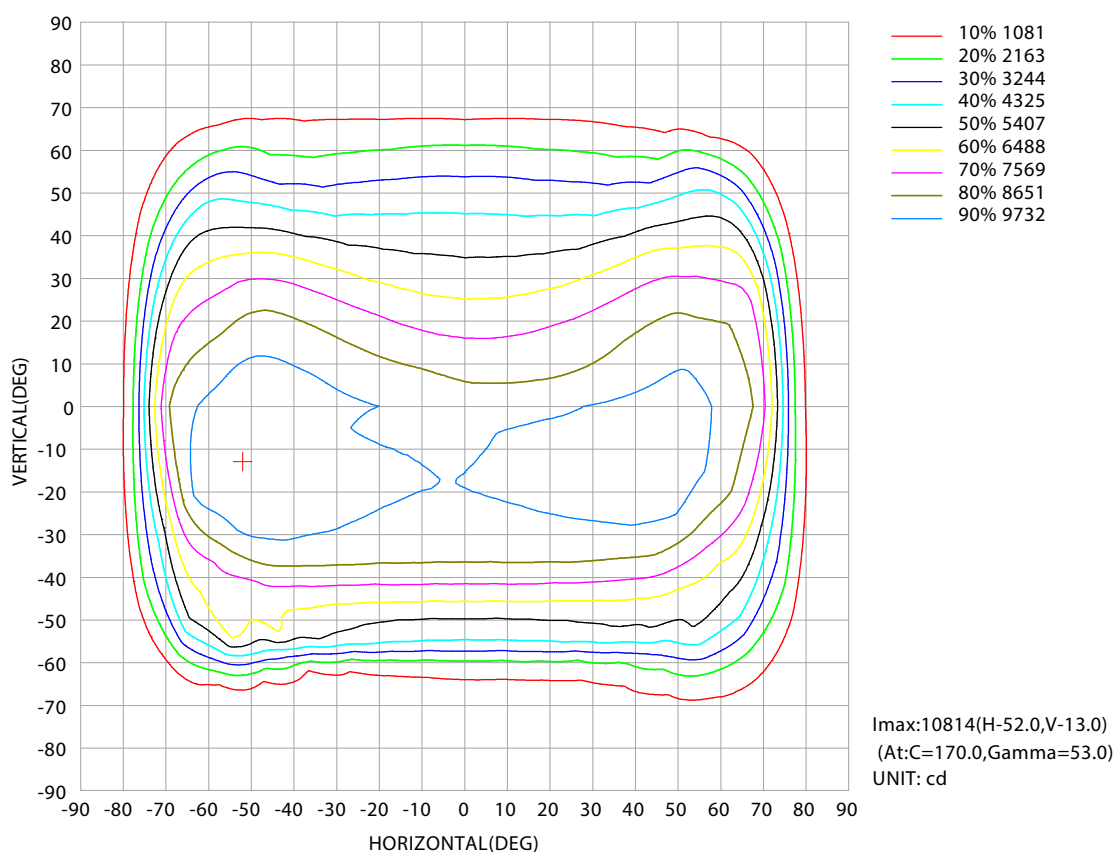
| $\gamma$ | C0                        | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\phi$ zone | $\phi$ total | % um lamp  |
|----------|---------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 951.1                     | 973.5 | 966.0 | 954.7 | 959.9 | 875.2 | 819.0 | 847.7 | 0- 10    | 877.2       | 877.2        | 2.85, 2.85 |
| 20       | 958.2                     | 991.8 | 972.4 | 977.6 | 973.1 | 811.2 | 707.2 | 782.8 | 10- 20   | 2558        | 3435         | 11.1, 11.1 |
| 30       | 978.5                     | 986.0 | 938.5 | 978.8 | 1001  | 746.9 | 590.5 | 718.4 | 20- 30   | 4061        | 7496         | 24.3, 24.3 |
| 40       | 1008                      | 942.8 | 793.1 | 953.7 | 1039  | 656.5 | 485.9 | 635.4 | 30- 40   | 5271        | 12768        | 41.4, 41.4 |
| 50       | 1031                      | 777.8 | 534.4 | 804.1 | 1066  | 524.1 | 374.9 | 519.2 | 40- 50   | 5894        | 18661        | 60.6, 60.6 |
| 60       | 953.3                     | 552.4 | 199.3 | 612.4 | 996.8 | 346.1 | 232.2 | 354.8 | 50- 60   | 5593        | 24254        | 78.7, 78.7 |
| 70       | 780.0                     | 182.6 | 60.73 | 165.5 | 825.1 | 163.9 | 69.13 | 142.6 | 60- 70   | 4074        | 28328        | 91.9, 91.9 |
| 80       | 103.5                     | 45.73 | 21.88 | 24.77 | 104.7 | 44.54 | 24.46 | 30.40 | 70- 80   | 1748        | 30076        | 97.6, 97.6 |
| 90       | 10.44                     | 9.375 | 7.843 | 8.814 | 11.89 | 8.668 | 7.329 | 8.711 | 80- 90   | 247.8       | 30324        | 98.4, 98.4 |
| 100      | 10.83                     | 8.660 | 6.899 | 8.124 | 11.97 | 8.021 | 6.373 | 8.054 | 90- 100  | 96.28       | 30420        | 98.7, 98.7 |
| 110      | 10.45                     | 8.061 | 6.312 | 7.548 | 11.13 | 7.717 | 5.987 | 7.694 | 100- 110 | 87.89       | 30508        | 99, 99     |
| 120      | 9.676                     | 7.665 | 6.031 | 7.096 | 10.10 | 7.523 | 6.086 | 7.581 | 110- 120 | 77.81       | 30586        | 99.2, 99.2 |
| 130      | 9.067                     | 7.450 | 5.994 | 6.788 | 9.366 | 7.450 | 6.388 | 7.572 | 120- 130 | 67.63       | 30653        | 99.5, 99.5 |
| 140      | 8.489                     | 7.316 | 6.123 | 6.606 | 8.759 | 7.464 | 6.739 | 7.517 | 130- 140 | 57.17       | 30710        | 99.7, 99.7 |
| 150      | 7.958                     | 7.285 | 6.429 | 6.554 | 8.231 | 7.466 | 7.087 | 7.401 | 140- 150 | 45.72       | 30756        | 99.8, 99.8 |
| 160      | 7.580                     | 7.319 | 6.770 | 6.648 | 7.954 | 7.485 | 7.384 | 7.358 | 150- 160 | 33.52       | 30790        | 99.9, 99.9 |
| 170      | 7.551                     | 7.364 | 7.174 | 6.884 | 7.850 | 7.501 | 7.572 | 7.327 | 160- 170 | 20.64       | 30810        | 100, 100   |
| 180      | 7.652                     | 7.463 | 7.470 | 7.177 | 7.715 | 7.469 | 7.473 | 7.177 | 170- 180 | 7.009       | 30817        | 100, 100   |
| DEG      | LUMINOUS INTENSITY: X10cd |       |       |       |       |       |       |       |          | UNIT: lm    |              |            |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3  
 Operators: C  
 Test Date: 29 July 2026

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

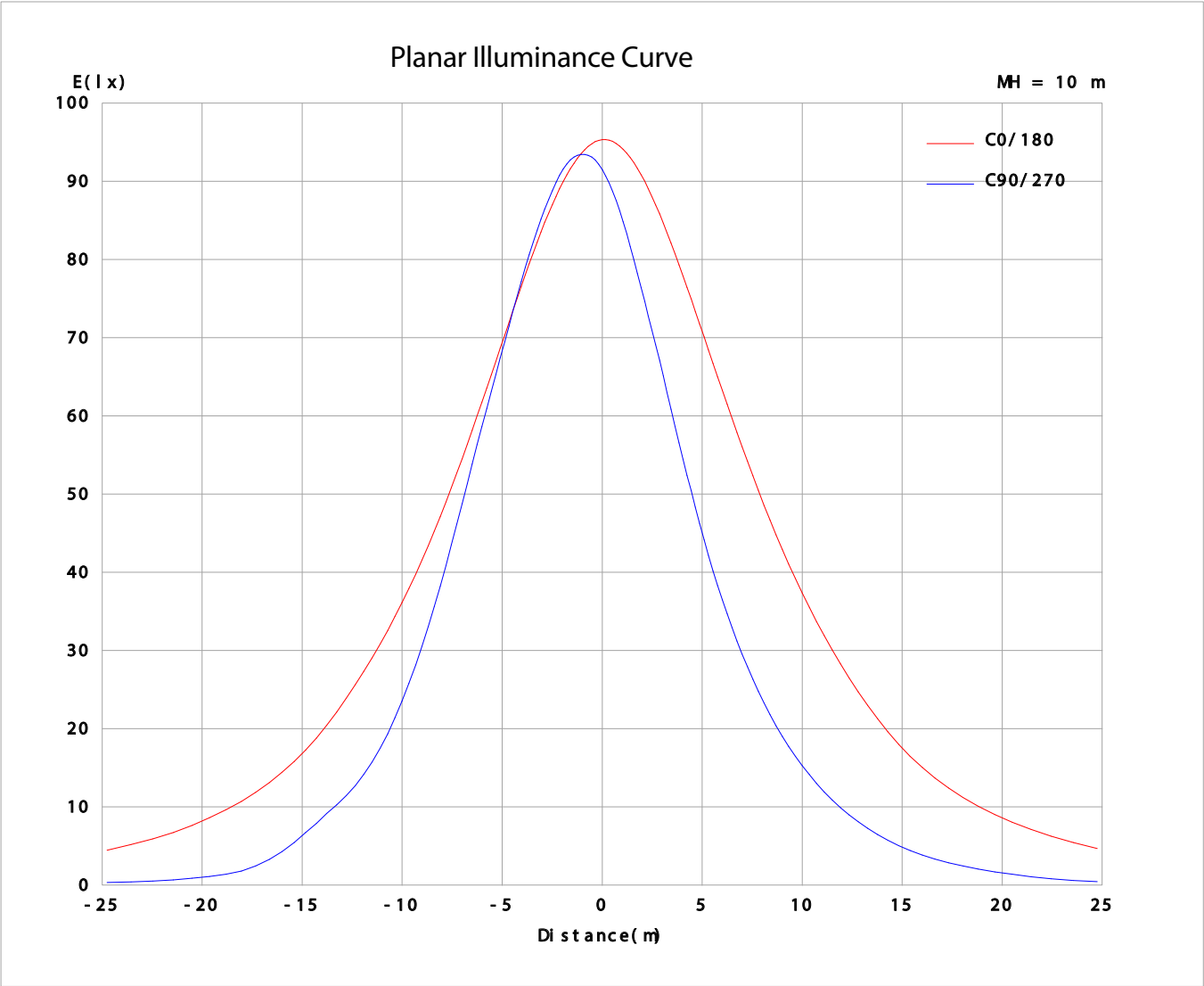
|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3  
Operators: C  
Test Date: 29 July 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 9.500m [K=1.0000]  
Remarks:

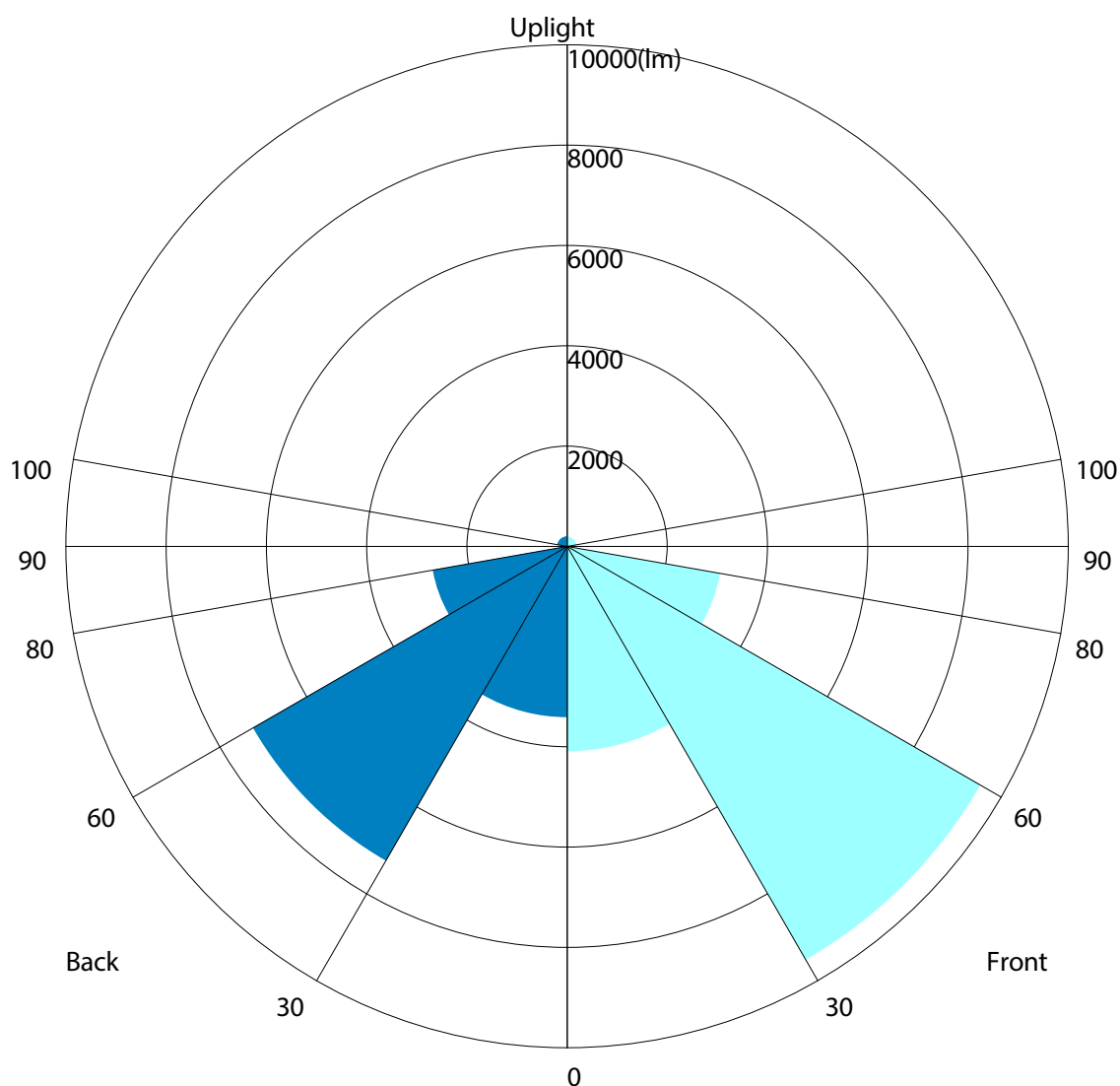
Planar Illuminance Curve



## LCS REPORT

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3  
Operators: C  
Test Date: 29 July 2026

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 9.500m [K=1.0000]  
Remarks:

## BUG REPORT

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |

IESNA Luminaire Flux Distribution Table:

| Zone                             | Lumens  | Luminaire % |
|----------------------------------|---------|-------------|
| FL - Front - Low( 0- 30)         | 4089. 3 | 13. 3       |
| FM - Front - Medium( 30- 60)     | 9520. 5 | 30. 9       |
| FH - Front - High( 60- 80)       | 3097. 6 | 10. 1       |
| FVH - Front - Very High( 80- 90) | 126. 81 | 0. 4        |
| Total Forward Light              | 17078   | 55. 4       |

|                                |         |       |
|--------------------------------|---------|-------|
| BL - Back- Low( 0- 30)         | 3406. 9 | 11. 1 |
| BM - Back- Medium( 30- 60)     | 7237. 1 | 23. 5 |
| BH - Back- High( 60- 80)       | 2724. 5 | 8. 8  |
| BVH - Back- Very High( 80- 90) | 121     | 0. 4  |
| Total Back Light               | 13739   | 44. 6 |

|                                |         |      |
|--------------------------------|---------|------|
| UL - Uplight - Low( 90- 100)   | 96. 281 | 0. 3 |
| UH - Uplight - High( 100- 180) | 397. 38 | 1. 3 |
| Total Up Light                 | 493. 66 | 1. 6 |

|                              |            |
|------------------------------|------------|
| BUG( Back, Up, Glare) Rating | B4- U3- G4 |
|------------------------------|------------|

| Zone        | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|-----------------|---------------|--------------|
| House Side  | 13490           | 249. 47       | 13739        |
| Street Side | 16834           | 244.19        | 17078        |

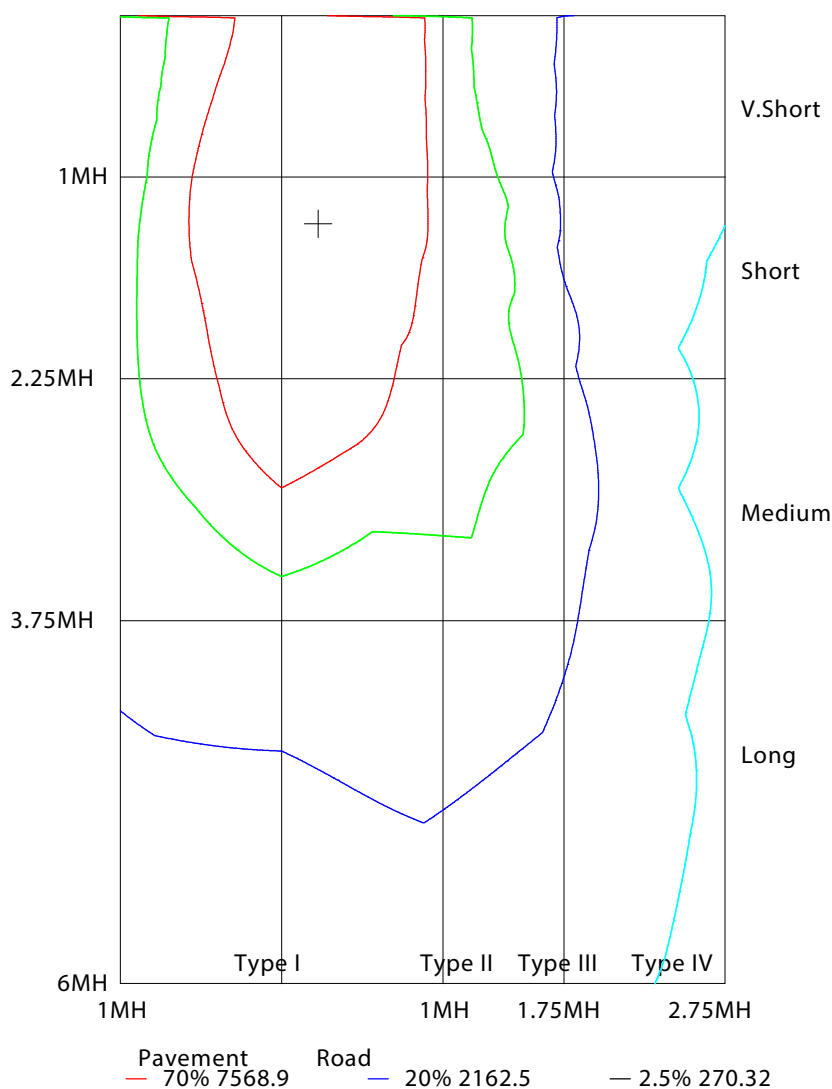
C Range: 0 - 360DEG  
 C Interval: 10. 0DEG  
 Test Speed: HIGH  
 Temperature: 25. 3  
 Operators: C  
 Test Date: 29 July 2026

γ Range: 0 - 180DEG  
 γ Interval: 1. 0DEG  
 Test System EVERFINE GO- 2000B\_V1 SYSTEM V2. 00. 489  
 Humidity: 65. 0%  
 Test Distance: 9. 500m [ K=1. 0000]  
 Remarks:

## ROAD ISOCANDELA REPORT

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |

## ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25.3

Operators: C

Test Date: 29 July 2026

C Range: 0 - 180DEG

C Interval: 1.0DEG

Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489

Humidity: 65.0%

Test Distance: 9.500m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                     |       |  |
|-------------------------------------------------------------------------------------|-------|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |       |  |
| NAME: URBANO-200W-5000K                                                             | TYPE: |  |
| MFR.: BBT LIGHTING                                                                  |       |  |
|                                                                                     |       |  |

Table - 1

UNIT: X10cd

| C(°) \ γ(°) | 0    | 10   | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0           | 953  | 951  | 947  | 943  | 939  | 932  | 926  | 921  | 918  | 915  | 914  | 912  | 913  | 912  | 912  | 912  | 912  | 911  | 953  |
| 5           | 951  | 955  | 957  | 958  | 958  | 955  | 952  | 949  | 947  | 945  | 943  | 941  | 940  | 937  | 934  | 931  | 926  | 919  | 956  |
| 10          | 951  | 960  | 966  | 971  | 974  | 973  | 971  | 969  | 967  | 966  | 964  | 962  | 961  | 957  | 952  | 946  | 939  | 928  | 960  |
| 15          | 953  | 968  | 977  | 983  | 986  | 984  | 980  | 977  | 974  | 973  | 972  | 971  | 971  | 970  | 967  | 961  | 951  | 938  | 965  |
| 20          | 958  | 977  | 989  | 994  | 995  | 989  | 982  | 977  | 974  | 972  | 972  | 973  | 975  | 977  | 978  | 975  | 966  | 950  | 973  |
| 25          | 967  | 988  | 1000 | 1002 | 997  | 987  | 976  | 969  | 963  | 961  | 961  | 965  | 970  | 978  | 985  | 986  | 980  | 966  | 986  |
| 30          | 979  | 1001 | 1010 | 1006 | 994  | 978  | 961  | 951  | 942  | 939  | 942  | 951  | 960  | 972  | 985  | 995  | 995  | 983  | 1001 |
| 35          | 993  | 1015 | 1018 | 1007 | 984  | 960  | 934  | 913  | 893  | 888  | 893  | 914  | 937  | 963  | 982  | 1002 | 1011 | 1006 | 1020 |
| 40          | 1008 | 1028 | 1023 | 1001 | 963  | 923  | 872  | 833  | 802  | 793  | 803  | 834  | 877  | 933  | 974  | 1009 | 1030 | 1031 | 1039 |
| 45          | 1023 | 1040 | 1026 | 984  | 918  | 845  | 767  | 716  | 677  | 667  | 677  | 720  | 775  | 858  | 942  | 1006 | 1046 | 1057 | 1058 |
| 50          | 1031 | 1043 | 1013 | 939  | 829  | 726  | 638  | 580  | 541  | 534  | 543  | 582  | 649  | 745  | 863  | 981  | 1057 | 1077 | 1066 |
| 55          | 999  | 1004 | 957  | 846  | 708  | 598  | 526  | 476  | 436  | 420  | 440  | 485  | 544  | 625  | 745  | 902  | 1035 | 1080 | 1042 |
| 60          | 953  | 943  | 831  | 700  | 587  | 517  | 376  | 275  | 211  | 199  | 206  | 268  | 396  | 578  | 646  | 762  | 933  | 1056 | 997  |
| 65          | 898  | 846  | 676  | 578  | 488  | 276  | 142  | 115  | 97.9 | 94.1 | 91.9 | 101  | 114  | 278  | 616  | 670  | 768  | 987  | 947  |
| 70          | 780  | 649  | 544  | 493  | 248  | 118  | 79.3 | 69.0 | 62.7 | 60.7 | 58.9 | 61.4 | 63.2 | 73.7 | 257  | 661  | 649  | 735  | 825  |
| 75          | 399  | 382  | 364  | 238  | 110  | 66.8 | 48.5 | 43.8 | 40.5 | 39.5 | 38.4 | 39.7 | 41.3 | 42.4 | 59.2 | 241  | 466  | 403  | 445  |
| 80          | 104  | 161  | 123  | 86.1 | 54.8 | 36.7 | 25.2 | 24.1 | 22.6 | 21.9 | 21.2 | 22.0 | 21.7 | 24.6 | 24.9 | 34.5 | 91.0 | 144  | 105  |
| 85          | 32.8 | 40.2 | 38.2 | 32.6 | 22.8 | 17.0 | 12.8 | 12.0 | 11.5 | 11.4 | 10.9 | 11.0 | 11.2 | 12.3 | 12.9 | 15.0 | 19.4 | 16.5 | 34.1 |
| 90          | 10.4 | 10.6 | 10.5 | 10.1 | 9.64 | 9.11 | 8.71 | 8.34 | 8.01 | 7.84 | 7.80 | 7.95 | 8.18 | 8.52 | 9.11 | 9.65 | 10.2 | 10.5 | 11.9 |
| 95          | 10.7 | 10.7 | 10.3 | 9.88 | 9.29 | 8.73 | 8.23 | 7.84 | 7.50 | 7.33 | 7.28 | 7.42 | 7.67 | 8.13 | 8.79 | 9.48 | 10.1 | 10.6 | 12.0 |
| 100         | 10.8 | 10.7 | 10.3 | 9.68 | 8.97 | 8.35 | 7.79 | 7.38 | 7.06 | 6.90 | 6.83 | 6.95 | 7.21 | 7.75 | 8.50 | 9.36 | 10.1 | 10.7 | 12.0 |
| 105         | 10.7 | 10.6 | 10.1 | 9.42 | 8.67 | 8.01 | 7.44 | 7.03 | 6.73 | 6.56 | 6.48 | 6.59 | 6.87 | 7.43 | 8.21 | 9.14 | 9.99 | 10.6 | 11.7 |
| 110         | 10.4 | 10.3 | 9.73 | 9.11 | 8.38 | 7.74 | 7.19 | 6.78 | 6.48 | 6.31 | 6.23 | 6.32 | 6.61 | 7.17 | 7.93 | 8.81 | 9.61 | 10.2 | 11.1 |
| 115         | 10.1 | 9.89 | 9.38 | 8.82 | 8.14 | 7.53 | 7.00 | 6.60 | 6.31 | 6.14 | 6.06 | 6.14 | 6.43 | 6.97 | 7.66 | 8.45 | 9.15 | 9.71 | 10.6 |
| 120         | 9.68 | 9.51 | 9.06 | 8.55 | 7.94 | 7.39 | 6.90 | 6.50 | 6.21 | 6.03 | 5.96 | 6.03 | 6.31 | 6.79 | 7.40 | 8.07 | 8.69 | 9.21 | 10.1 |
| 125         | 9.33 | 9.19 | 8.78 | 8.33 | 7.80 | 7.30 | 6.85 | 6.46 | 6.18 | 6.00 | 5.93 | 5.99 | 6.24 | 6.67 | 7.18 | 7.75 | 8.30 | 8.77 | 9.68 |
| 130         | 9.07 | 8.92 | 8.53 | 8.14 | 7.68 | 7.22 | 6.83 | 6.46 | 6.18 | 5.99 | 5.92 | 5.98 | 6.20 | 6.56 | 7.01 | 7.53 | 8.04 | 8.47 | 9.37 |
| 135         | 8.80 | 8.65 | 8.29 | 7.96 | 7.56 | 7.18 | 6.82 | 6.49 | 6.21 | 6.03 | 5.95 | 6.01 | 6.18 | 6.49 | 6.88 | 7.33 | 7.78 | 8.19 | 9.09 |
| 140         | 8.49 | 8.37 | 8.07 | 7.81 | 7.47 | 7.16 | 6.86 | 6.56 | 6.29 | 6.12 | 6.06 | 6.08 | 6.21 | 6.45 | 6.77 | 7.14 | 7.51 | 7.86 | 8.76 |
| 145         | 8.21 | 8.13 | 7.89 | 7.68 | 7.41 | 7.17 | 6.93 | 6.66 | 6.42 | 6.26 | 6.20 | 6.18 | 6.26 | 6.44 | 6.68 | 6.97 | 7.28 | 7.55 | 8.46 |
| 150         | 7.96 | 7.91 | 7.73 | 7.58 | 7.37 | 7.20 | 7.01 | 6.79 | 6.59 | 6.43 | 6.35 | 6.31 | 6.35 | 6.47 | 6.64 | 6.85 | 7.07 | 7.27 | 8.23 |
| 155         | 7.74 | 7.72 | 7.60 | 7.50 | 7.35 | 7.25 | 7.11 | 6.94 | 6.74 | 6.59 | 6.52 | 6.47 | 6.48 | 6.53 | 6.63 | 6.76 | 6.90 | 7.03 | 8.07 |
| 160         | 7.58 | 7.58 | 7.51 | 7.44 | 7.35 | 7.29 | 7.19 | 7.05 | 6.88 | 6.77 | 6.71 | 6.65 | 6.63 | 6.63 | 6.66 | 6.73 | 6.79 | 6.86 | 7.95 |
| 165         | 7.52 | 7.52 | 7.47 | 7.41 | 7.34 | 7.33 | 7.25 | 7.14 | 7.01 | 6.98 | 6.92 | 6.85 | 6.79 | 6.76 | 6.75 | 6.76 | 6.77 | 6.79 | 7.88 |
| 170         | 7.55 | 7.55 | 7.46 | 7.42 | 7.36 | 7.37 | 7.30 | 7.26 | 7.19 | 7.17 | 7.10 | 7.03 | 6.95 | 6.90 | 6.87 | 6.85 | 6.83 | 6.85 | 7.85 |
| 175         | 7.59 | 7.56 | 7.46 | 7.44 | 7.38 | 7.39 | 7.35 | 7.33 | 7.29 | 7.29 | 7.23 | 7.15 | 7.07 | 7.01 | 6.97 | 6.95 | 6.92 | 6.93 | 7.80 |
| 180         | 7.65 | 7.62 | 7.53 | 7.51 | 7.45 | 7.47 | 7.45 | 7.46 | 7.46 | 7.47 | 7.40 | 7.34 | 7.26 | 7.20 | 7.15 | 7.11 | 7.07 | 7.07 | 7.72 |

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25.3

Operators: C

Test Date: 29 July 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489

Humidity: 65.0%

Test Distance: 9.500m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                     |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|
| Test:U:220.02V I:0.9114A P:197.21W PF:0.9835 Freq:50.01Hz<br>Lamp Flux:30817.4x1 lm |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |
| NAME: URBANO-200W-5000K                                                             |  |  |  |  |  |  |  |  |  | TYPE: |  |  |  |  |  |  |  |  |
| MFR.: BBT LIGHTING                                                                  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |
|                                                                                     |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |

Table - 2

UNIT: X10cd

| C(DEC)<br>γ(DEC) | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  |  |  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 0                | 951  | 947  | 943  | 939  | 932  | 926  | 921  | 918  | 915  | 914  | 912  | 913  | 912  | 912  | 912  | 912  | 911  |  |  |
| 5                | 946  | 936  | 925  | 914  | 901  | 891  | 882  | 877  | 872  | 872  | 872  | 876  | 879  | 885  | 890  | 897  | 902  |  |  |
| 10               | 943  | 925  | 905  | 886  | 864  | 847  | 832  | 825  | 819  | 820  | 822  | 831  | 841  | 855  | 868  | 883  | 895  |  |  |
| 15               | 942  | 916  | 886  | 857  | 826  | 803  | 784  | 773  | 767  | 768  | 774  | 786  | 801  | 822  | 845  | 870  | 891  |  |  |
| 20               | 944  | 909  | 869  | 831  | 791  | 760  | 733  | 717  | 707  | 711  | 723  | 744  | 768  | 797  | 826  | 859  | 889  |  |  |
| 25               | 950  | 905  | 856  | 807  | 755  | 711  | 677  | 659  | 650  | 655  | 668  | 695  | 731  | 775  | 813  | 851  | 891  |  |  |
| 30               | 959  | 905  | 844  | 780  | 714  | 661  | 621  | 600  | 591  | 596  | 612  | 645  | 690  | 747  | 804  | 850  | 895  |  |  |
| 35               | 972  | 907  | 830  | 746  | 664  | 606  | 567  | 549  | 538  | 543  | 559  | 591  | 644  | 714  | 791  | 853  | 904  |  |  |
| 40               | 981  | 905  | 809  | 704  | 609  | 550  | 513  | 495  | 486  | 490  | 504  | 537  | 591  | 680  | 776  | 860  | 917  |  |  |
| 45               | 985  | 895  | 776  | 650  | 544  | 487  | 454  | 441  | 433  | 437  | 447  | 478  | 532  | 635  | 755  | 860  | 934  |  |  |
| 50               | 973  | 869  | 730  | 581  | 467  | 418  | 391  | 382  | 375  | 379  | 387  | 416  | 464  | 574  | 725  | 852  | 948  |  |  |
| 55               | 928  | 815  | 657  | 491  | 383  | 345  | 322  | 313  | 306  | 313  | 319  | 347  | 389  | 498  | 669  | 823  | 931  |  |  |
| 60               | 856  | 725  | 557  | 394  | 298  | 265  | 242  | 237  | 232  | 236  | 242  | 268  | 305  | 405  | 578  | 754  | 897  |  |  |
| 65               | 784  | 622  | 448  | 289  | 210  | 183  | 165  | 156  | 147  | 156  | 166  | 186  | 210  | 291  | 485  | 667  | 848  |  |  |
| 70               | 652  | 493  | 342  | 195  | 133  | 108  | 86.7 | 76.9 | 69.1 | 74.3 | 85.1 | 103  | 121  | 165  | 370  | 540  | 723  |  |  |
| 75               | 367  | 279  | 180  | 105  | 73.1 | 60.2 | 48.9 | 44.2 | 41.9 | 41.6 | 45.2 | 52.2 | 56.9 | 68.6 | 138  | 282  | 373  |  |  |
| 80               | 113  | 96.8 | 68.2 | 50.2 | 38.9 | 33.8 | 28.2 | 26.3 | 24.5 | 25.2 | 25.8 | 28.2 | 29.2 | 31.6 | 32.1 | 61.8 | 82.1 |  |  |
| 85               | 37.9 | 35.1 | 27.2 | 22.0 | 17.2 | 15.9 | 13.9 | 12.8 | 11.7 | 12.3 | 13.0 | 13.7 | 13.7 | 14.5 | 14.8 | 18.6 | 17.0 |  |  |
| 90               | 11.4 | 10.7 | 9.87 | 9.03 | 8.30 | 7.85 | 7.47 | 7.41 | 7.33 | 7.48 | 7.58 | 7.94 | 8.37 | 9.06 | 9.82 | 10.5 | 11.1 |  |  |
| 95               | 11.3 | 10.5 | 9.57 | 8.65 | 7.88 | 7.33 | 6.95 | 6.82 | 6.78 | 6.89 | 7.06 | 7.43 | 7.95 | 8.70 | 9.58 | 10.5 | 11.2 |  |  |
| 100              | 11.2 | 10.4 | 9.41 | 8.43 | 7.61 | 7.01 | 6.59 | 6.41 | 6.37 | 6.47 | 6.68 | 7.09 | 7.65 | 8.46 | 9.43 | 10.4 | 11.2 |  |  |
| 105              | 10.9 | 10.2 | 9.20 | 8.26 | 7.43 | 6.80 | 6.36 | 6.15 | 6.11 | 6.21 | 6.45 | 6.85 | 7.45 | 8.25 | 9.17 | 10.1 | 10.9 |  |  |
| 110              | 10.5 | 9.84 | 8.95 | 8.10 | 7.33 | 6.70 | 6.26 | 6.02 | 5.99 | 6.09 | 6.34 | 6.76 | 7.34 | 8.05 | 8.88 | 9.75 | 10.4 |  |  |
| 115              | 10.1 | 9.50 | 8.71 | 7.97 | 7.27 | 6.69 | 6.25 | 6.03 | 5.99 | 6.10 | 6.34 | 6.76 | 7.29 | 7.95 | 8.67 | 9.38 | 9.89 |  |  |
| 120              | 9.63 | 9.17 | 8.49 | 7.82 | 7.22 | 6.72 | 6.31 | 6.11 | 6.09 | 6.18 | 6.42 | 6.81 | 7.28 | 7.88 | 8.52 | 9.07 | 9.47 |  |  |
| 125              | 9.29 | 8.89 | 8.31 | 7.74 | 7.20 | 6.76 | 6.42 | 6.24 | 6.23 | 6.32 | 6.54 | 6.88 | 7.32 | 7.86 | 8.36 | 8.81 | 9.15 |  |  |
| 130              | 9.02 | 8.70 | 8.21 | 7.69 | 7.21 | 6.81 | 6.53 | 6.38 | 6.39 | 6.49 | 6.69 | 6.99 | 7.36 | 7.79 | 8.22 | 8.63 | 8.90 |  |  |
| 135              | 8.78 | 8.51 | 8.10 | 7.67 | 7.24 | 6.90 | 6.67 | 6.55 | 6.56 | 6.66 | 6.84 | 7.08 | 7.36 | 7.71 | 8.09 | 8.42 | 8.61 |  |  |
| 140              | 8.53 | 8.30 | 7.97 | 7.63 | 7.30 | 7.02 | 6.83 | 6.73 | 6.74 | 6.82 | 6.97 | 7.16 | 7.38 | 7.66 | 7.92 | 8.14 | 8.30 |  |  |
| 145              | 8.28 | 8.12 | 7.86 | 7.59 | 7.34 | 7.13 | 6.98 | 6.93 | 6.93 | 7.00 | 7.10 | 7.25 | 7.38 | 7.55 | 7.72 | 7.88 | 8.03 |  |  |
| 150              | 8.08 | 7.97 | 7.77 | 7.57 | 7.36 | 7.21 | 7.10 | 7.11 | 7.09 | 7.14 | 7.20 | 7.28 | 7.35 | 7.45 | 7.57 | 7.68 | 7.78 |  |  |
| 155              | 7.94 | 7.84 | 7.69 | 7.55 | 7.40 | 7.30 | 7.23 | 7.25 | 7.24 | 7.25 | 7.28 | 7.32 | 7.34 | 7.40 | 7.47 | 7.53 | 7.61 |  |  |
| 160              | 7.83 | 7.76 | 7.63 | 7.53 | 7.44 | 7.38 | 7.34 | 7.38 | 7.38 | 7.36 | 7.36 | 7.36 | 7.35 | 7.36 | 7.39 | 7.44 | 7.49 |  |  |
| 165              | 7.75 | 7.69 | 7.59 | 7.52 | 7.46 | 7.45 | 7.44 | 7.48 | 7.50 | 7.44 | 7.42 | 7.40 | 7.36 | 7.33 | 7.33 | 7.36 | 7.38 |  |  |
| 170              | 7.69 | 7.64 | 7.56 | 7.52 | 7.48 | 7.50 | 7.52 | 7.55 | 7.57 | 7.48 | 7.45 | 7.41 | 7.35 | 7.31 | 7.29 | 7.29 | 7.29 |  |  |
| 175              | 7.65 | 7.60 | 7.53 | 7.50 | 7.48 | 7.50 | 7.53 | 7.57 | 7.58 | 7.47 | 7.45 | 7.38 | 7.30 | 7.26 | 7.22 | 7.20 | 7.19 |  |  |
| 180              | 7.58 | 7.56 | 7.49 | 7.48 | 7.46 | 7.46 | 7.46 | 7.46 | 7.47 | 7.40 | 7.33 | 7.27 | 7.20 | 7.15 | 7.11 | 7.08 | 7.07 |  |  |

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25.3

Operators: C

Test Date: 29 July 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System EVERFINE GO-2000B\_V1 SYSTEM V2.00.489

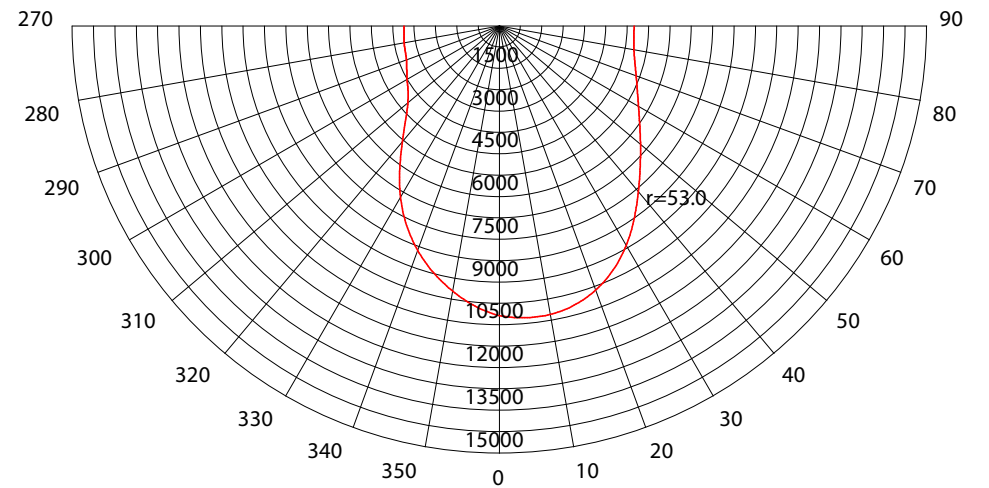
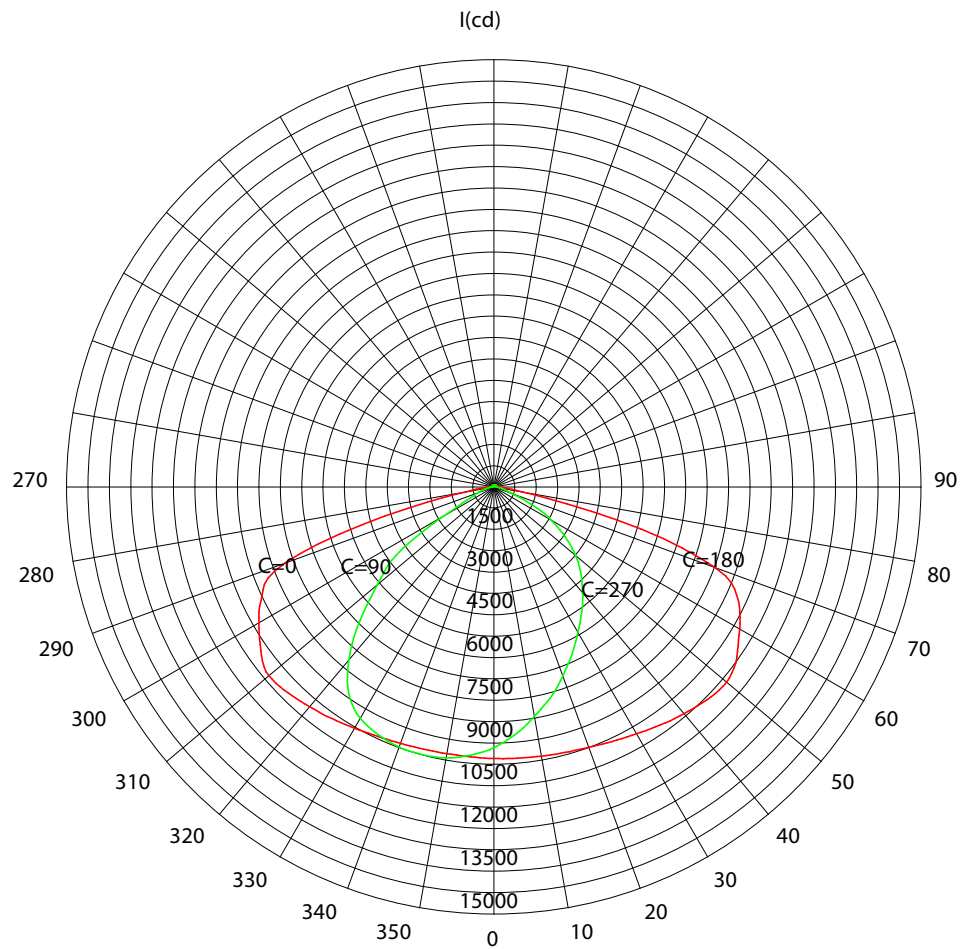
Humidity: 65.0%

Test Distance: 9.500m [K=1.0000]

Remarks:

# FLUX DATA:

|              |          |
|--------------|----------|
| LOR:         | 100.0 %  |
| STREET DOWN: | 16834 lm |
| STREET UP:   | 244.2 lm |
| HOUSE DOWN:  | 13490 lm |
| HOUSE UP:    | 249.5 lm |



$I_{\max}(100\%) = 10815 \text{ cd}$

